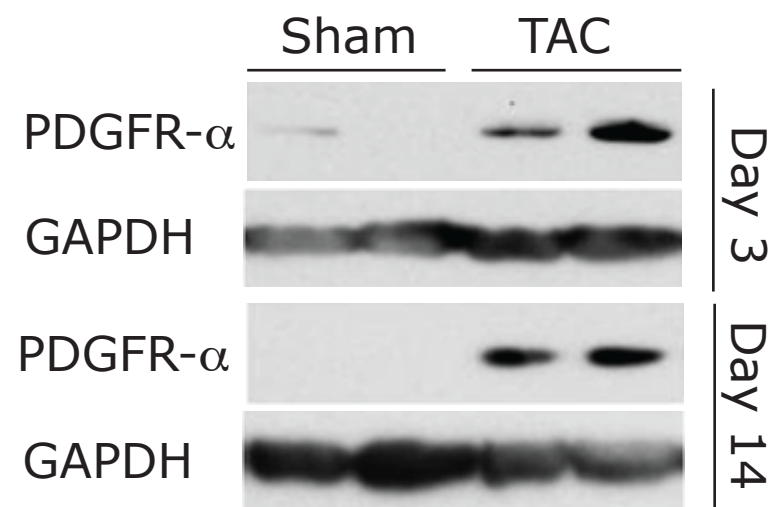
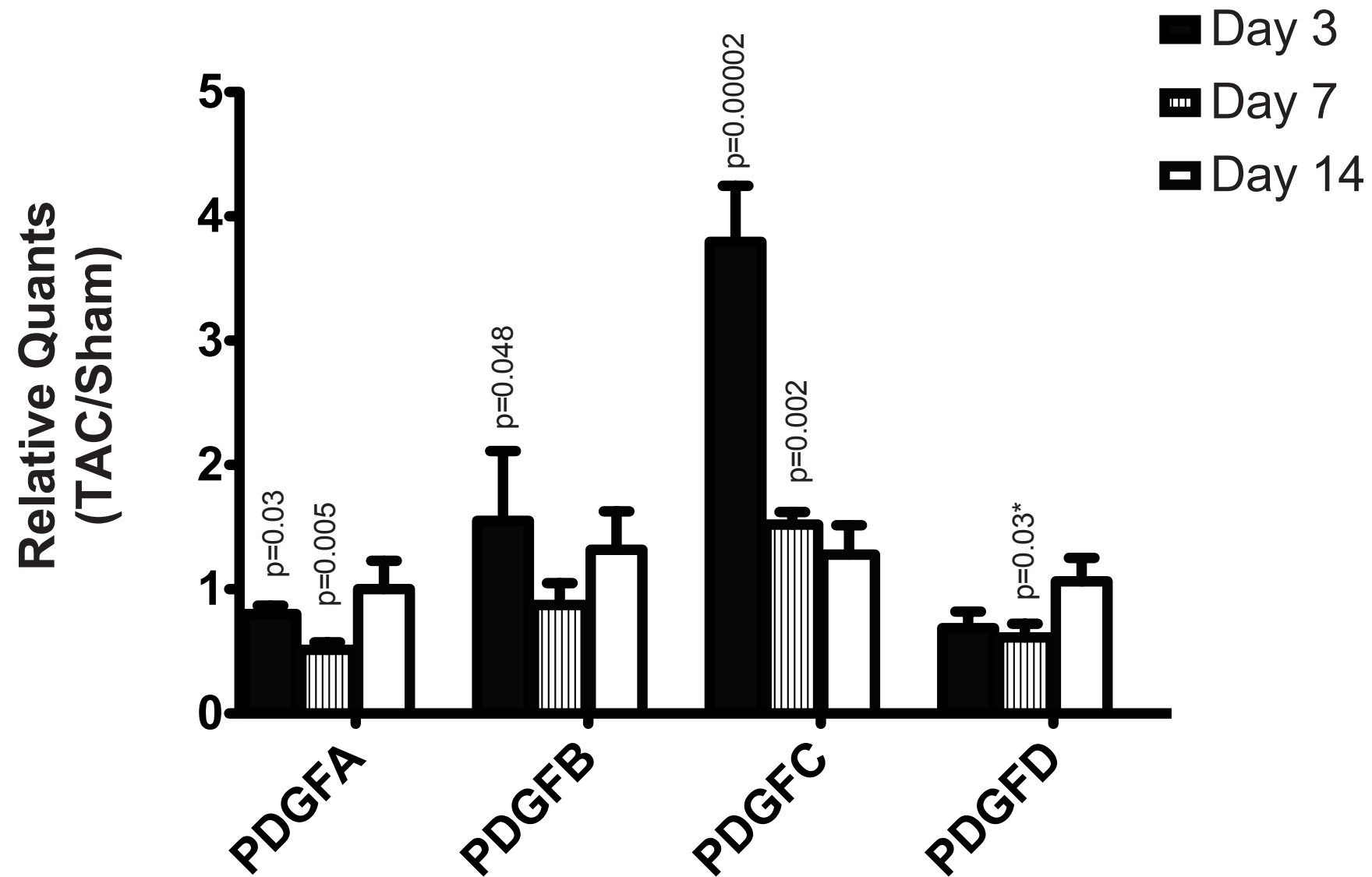




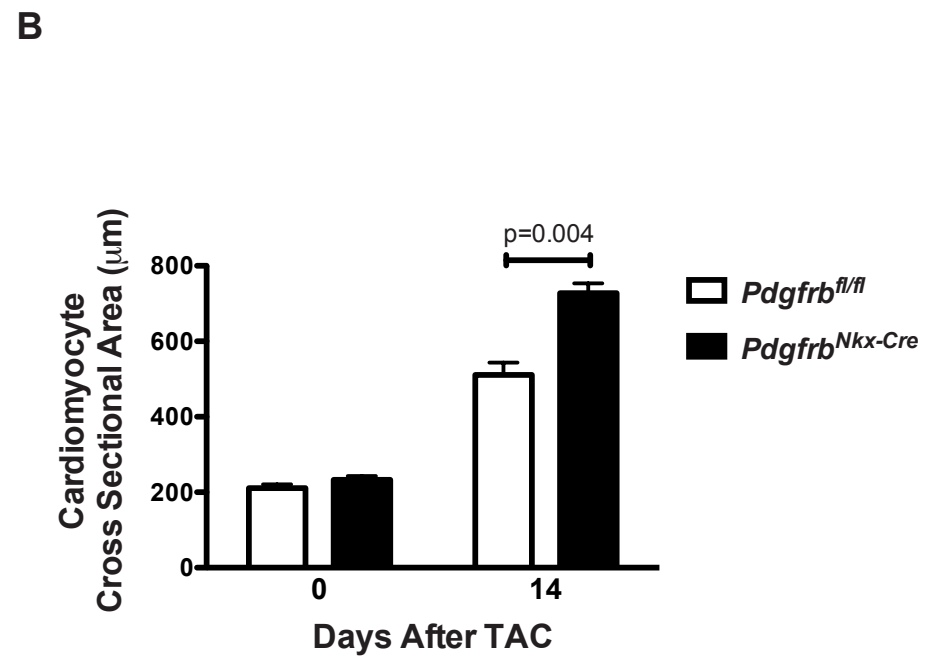
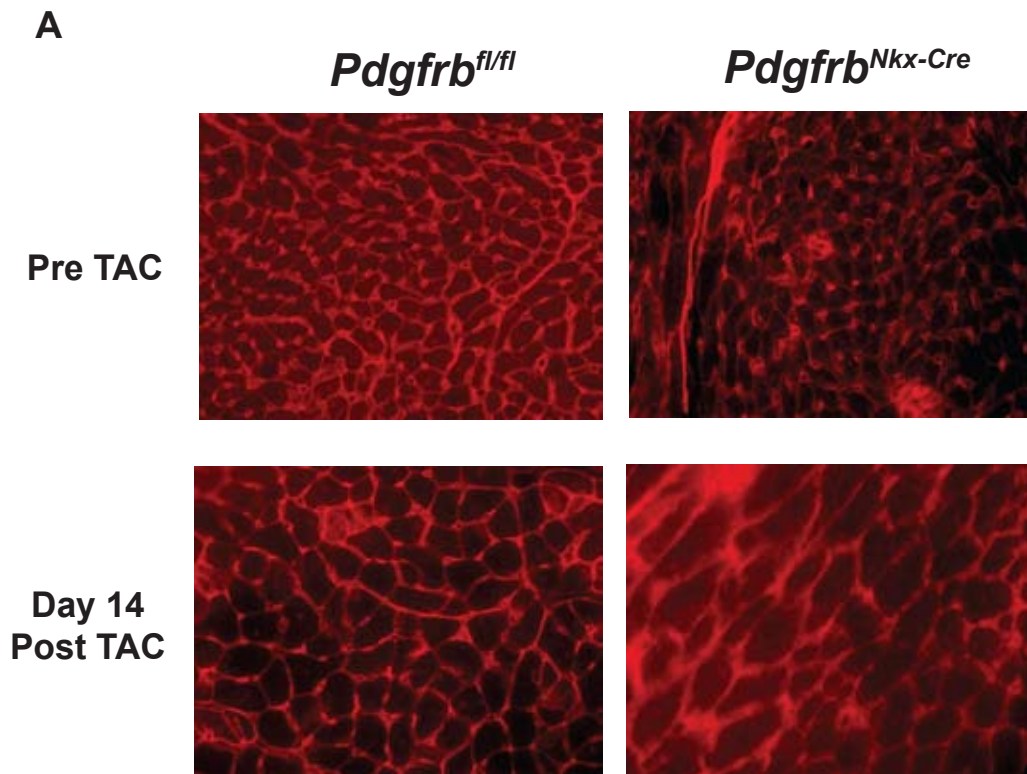
Supplemental Figure One

Supplemental Figure One: Levels of PDGFR- α rise in the heart in response to TAC. Western blots from cardiac lysates of mice exposed to TAC or sham operated mice probed with an antibody directed against PDGFR- α . Lysates were harvested at the indicated number of days after surgery. Results are representative of four independent samples assessed at each time point.



Supplemental Figure Two

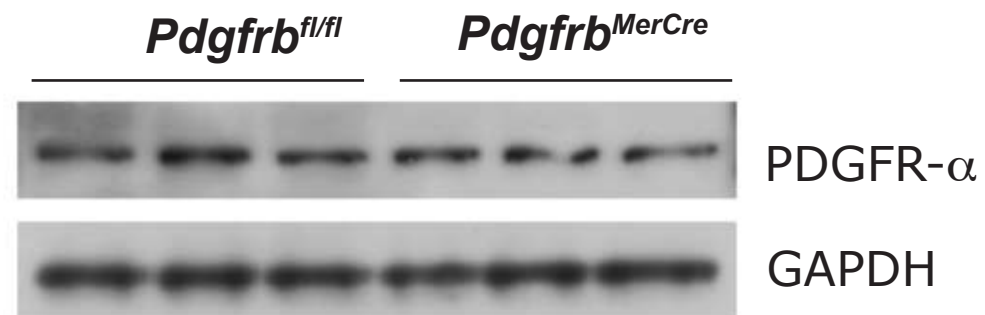
Supplemental Figure Two: Dynamic changes in cardiac expression of PDGF in response to pressure overload stress. Levels of expression of each of the known PDGF isoforms measured at each of the indicated time points by quantitative RT-PCR. Data is plotted as the ratio of expression levels in wild-type mice exposed to TAC vs. sham operated mice, normalized to levels of GAPDH. N= 4 samples from each group at each time point. Indicated p-values, shown when $p < 0.05$, represent comparisons between normalized levels in samples from TAC vs. sham hearts. P values were determined by unpaired, two-tailed Student's t-test, except *, which was determined by Wilcoxon Rank-Sum Test.



Supplemental Figure Three

Supplemental Figure Three: Pathologic cardiomyocyte hypertrophy in cardiac-specific PDGFR- β knockout mice exposed to pressure overload

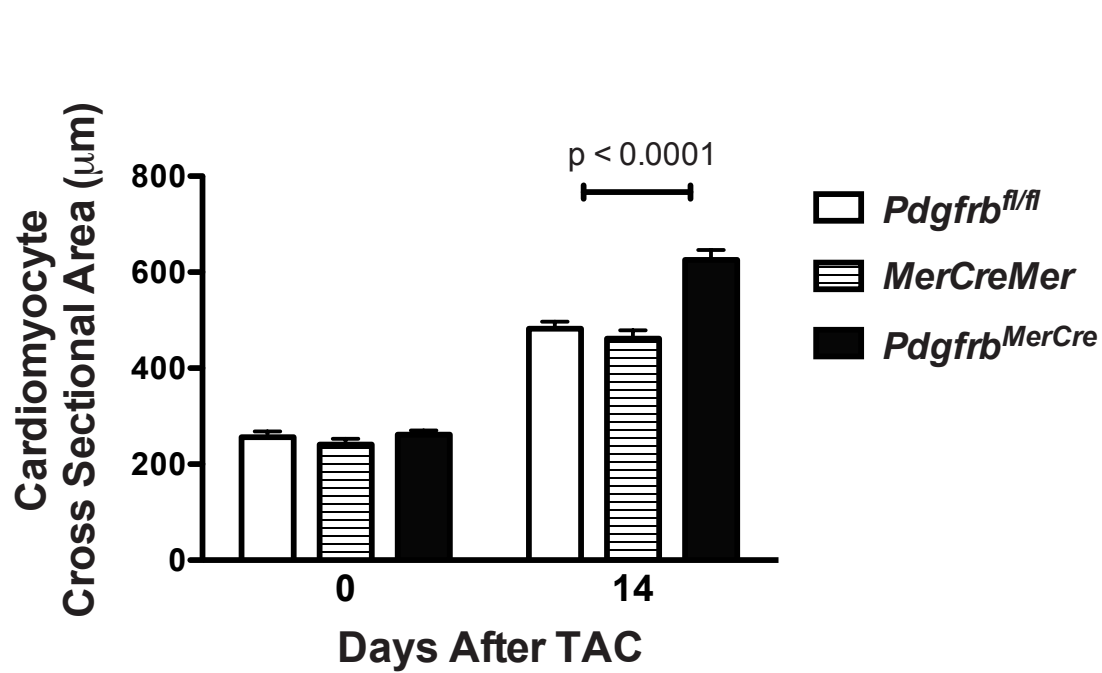
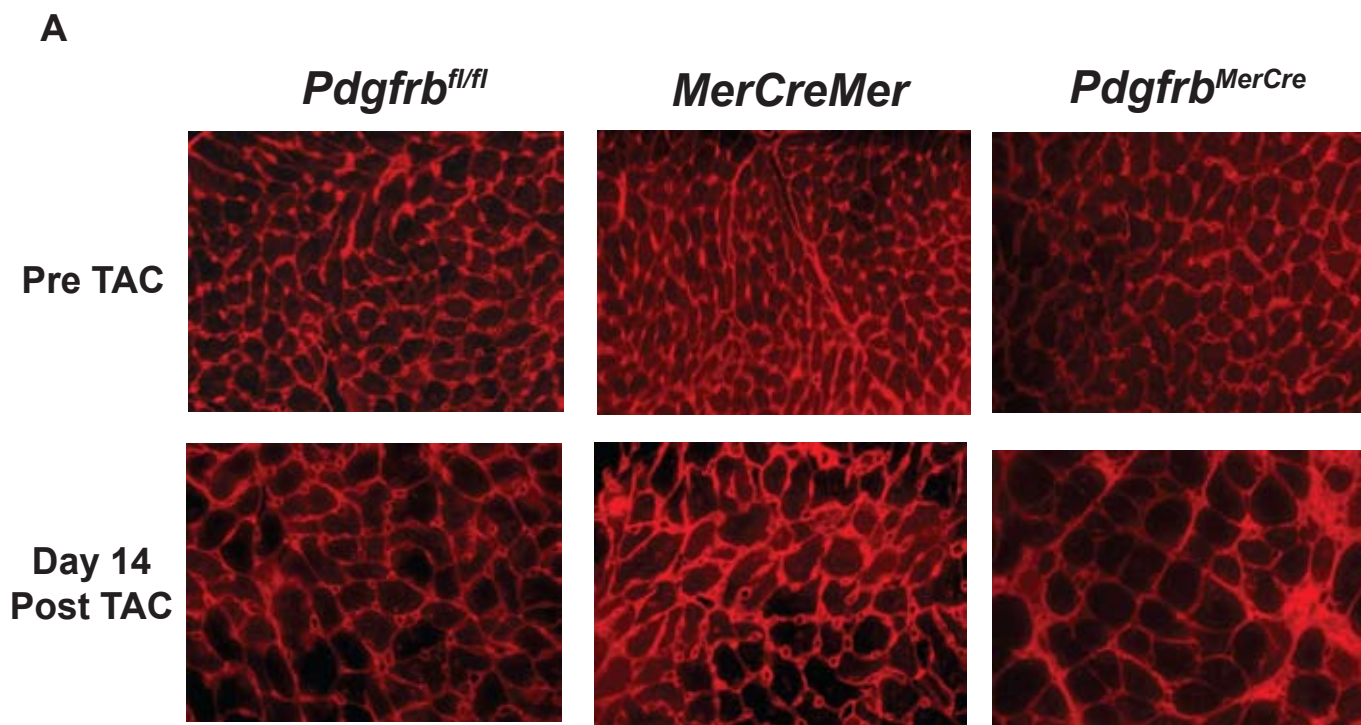
(A) Representative fluorescent photomicrographs of hearts stained with TRITC-labeled lectin from *Pdgfrb*^{Nkx-Cre} mice or control *Pdgfrb*^{fl/fl} mice prior to exposure to TAC or 14 days after exposure to TAC (original magnification, 400x). (B) Quantification of cardiomyocyte cross-sectional area from hearts of *Pdgfrb*^{Nkx-Cre} mice or control *Pdgfrb*^{fl/fl} mice prior to exposure to TAC or 14 days after exposure to TAC (n= 3 independent hearts examined from each genotype at each timepoint).



Supplemental Figure Four

Supplemental Figure Four: Levels of PDGFR-alpha are not changed in inducible, cardiac specific PDGFR-β knockout mice

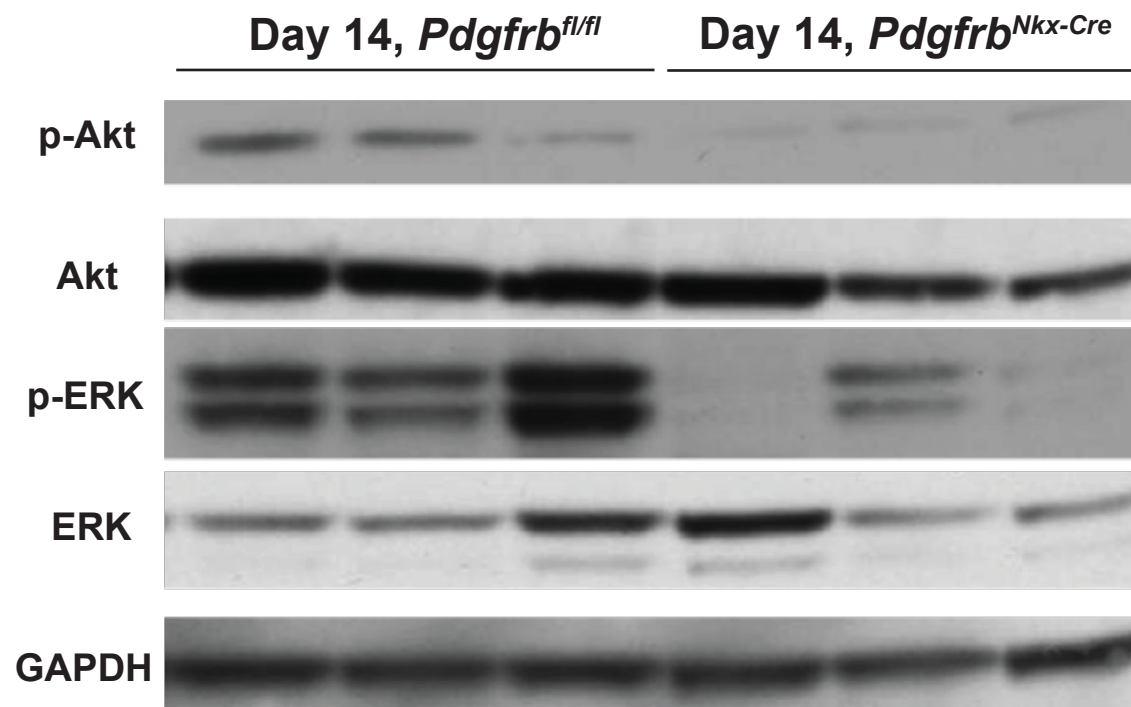
Western blots from cardiac lysates from control, non-Cre expressing *Pdgfrb*^{fl/fl} control mice or *Pdgfrb*^{MerCre} mice probed with antibodies directed against PDGFR-α or GAPDH as a loading control. Lysates were obtained from *Pdgfrb*^{fl/fl} mice or *Pdgfrb*^{MerCre} mice one week days after both groups were treated with tamoxifen.



Supplemental Figure Five

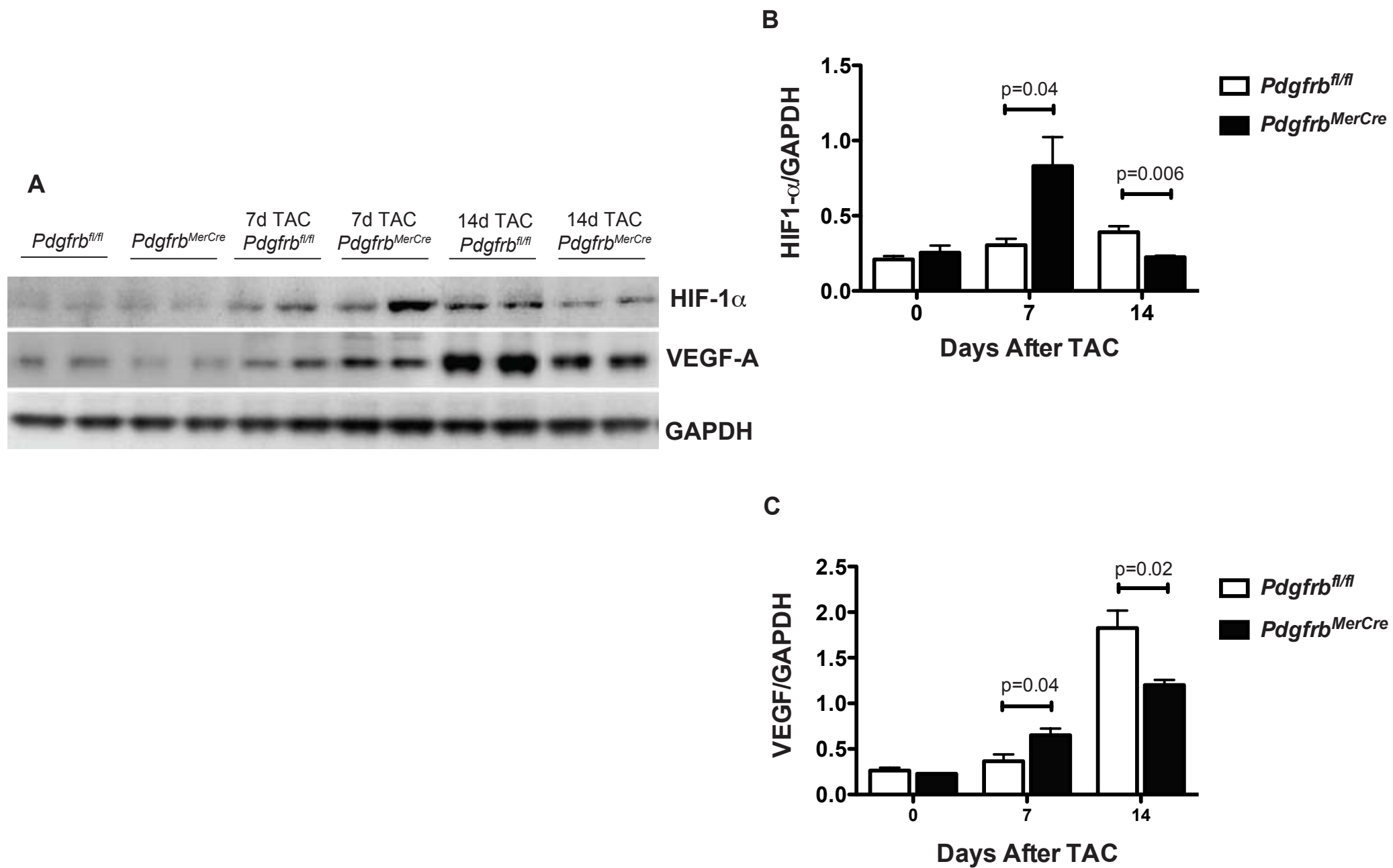
Supplemental Figure Five: Pathologic cardiomyocyte hypertrophy in inducible, cardiac-specific PDGFR- β knockout mice exposed to pressure overload

(A) Representative fluorescent photomicrographs of hearts stained with TRITC-labeled lectin from control mice (*Pdgfrb*^{fl/fl} and *MerCreMer*) and *Pdgfrb*^{MerCre} mice prior to exposure to TAC or 14 days after exposure to TAC (original magnification, 400x). (B) Quantification of cardiomyocyte cross-sectional area from hearts of control mice (*Pdgfrb*^{fl/fl} and *MerCreMer*) and *Pdgfrb*^{MerCre} mice prior to exposure to TAC or 14 days after exposure to TAC (n= 3 independent hearts examined from each genotype at each timepoint). P values were determined by ANOVA and significant differences between *Pdgfrb*^{MerCre} and control (*Pdgfrb*^{fl/fl} and *MerCreMer*) mice were confirmed with Tukey's test.



Supplemental Figure Six

Supplemental Figure Six: Diminished MAPK and PI3K activation in Nkx2.5-Cre:*Pdgfrb*^{fl/fl} mice in response to pressure overload. Western blot from cardiac lysates of *Pdgfrb*^{fl/fl} (Control) or *Pdgfrb*^{Nkx-Cre} (Mutant) 14 days after TAC probed with the indicated antibodies. No difference was seen in pre-TAC levels of phospho-Akt or phospho ERK1/ 2 in the hearts of mutants compared with controls (not shown).



Supplemental Figure Seven

Supplemental Figure Seven: Biphasic expression of HIF-1 α in hearts of inducible cardiac-specific PDGFR- β knockout mice in response to TAC. (A)

Western blot of cardiac lysates from *Pdgfrb*^{MerCre} or control *Pdgfrb*^{f/f} mice at baseline or at 7 or 14 days after TAC probed with antibodies directed against VEGF-A or HIF-1 α . Quantification by densitometry of (B) HIF-1 α or (C) VEGF-A in inducible mutant or control mice at baseline or after TAC (n= 4 independent samples per group per timepoint). P values were determined by unpaired, two-tailed Student's t-test.

Supplemental Video 1: Development of profound dilated cardiomyopathy in inducible, cardiac-specific PDGFR- β knockout mice 14 days after exposure to load-stress. Representative MRI cine videos of *Pdgfrb*^{MerCre} mice (lower videos) or *Pdgfrb*^{fl/fl} controls (upper videos) captured 14 days after TAC and displayed along the long-axis (left hand videos) or short-axis (right-hand videos) of the heart visually demonstrates the severity of the dilated cardiomyopathy phenotype observed in inducible, cardiac-specific PDGFR- β knockout mice in response to TAC.

Sample Information	Group ID	Time Point
	Ctrl= Pdgfrb fl/fl mice	
	Mut= alpha-MHC MerCreMer mice	
		D0 prior to TAC (7 days after final dose of tamoxifen given to either group)
		D3 or D7 3 or 7 days after TAC

samples from 4 mice from each group and each timepoint were assayed
Data represents normalized intensity values

AffyProbeID	Symbol	GenBank	UniGene	Chr	MutD3_1	MutD3_2	MutD3_3	CtrlD3_1	CtrlD3_2	CtrlD3_3	CtrlD3_4	MutD7_1	MutD7_2	MutD7_3	MutD7_4	CtrlD7_1	CtrlD7_2	CtrlD7_3	CtrlD7_4	MutD3_4	MutD0_1	MutD0_2	MutD0_3	MutD0_4	CtrlD0_1	CtrlD0_2	CtrlD0_3	CtrlD0_4		
1415670 at	Ccpo	BC024686	Mm.258785	6	8.931	9.949	8.991	8.969	9.182	9.106	8.994	9.040	9.736	9.040	9.347	9.873	9.227	9.061	8.782	9.058	9.078	9.736	9.817	9.065	8.934					
1415671 at	Atp6v0d1	NM_013477	Mm.17708	8	10.500	10.942	10.569	10.519	10.578	10.533	10.445	10.288	10.887	10.891	10.592	10.672	10.625	10.931	10.622	10.536	10.031	10.441	10.395	10.315	10.347	10.214	10.545	10.420		
1415672 at	Glo1aq7	NM_020585	Mm.196269	8	11.657	12.054	11.755	11.843	11.905	11.743	11.666	11.536	12.217	12.207	11.864	11.892	12.094	12.095	11.875	11.772	11.580	11.568	11.718	11.634	11.687	11.622	11.770	11.701		
1415673 at	Psph	NM_133900	Mm.271784	5	6.991	7.645	6.567	7.160	7.186	6.952	6.894	7.443	7.313	6.998	6.956	7.057	6.924	6.953	6.947	6.698	7.610	7.215	7.140	6.929	7.565	7.784	6.425	6.668		
1415674 a at	Trapcc4	NM_021789	Mm.29814	9	9.946	10.235	9.980	10.109	9.891	10.016	9.733	9.875	10.171	9.851	9.870	10.345	10.062	9.975	9.741	9.985	10.017	10.268	9.946	9.860	10.003	10.070	9.778	9.725		
1415675 at	Dpm2	BC008256	Mm.22001	2	8.762	8.962	8.748	8.740	8.841	8.754	8.814	8.698	9.053	9.047	8.947	8.900	8.899	9.082	8.827	8.833	8.697	8.921	8.824	8.798	8.851	8.680	8.777	8.624		
1415676 a at	Psmb5	NM_011186	Mm.8911	14	12.512	12.831	12.699	12.607	12.602	12.614	12.699	12.557	12.783	12.764	12.628	12.685	12.554	12.683	12.612	12.700	12.645	12.662	12.757	12.753	12.594	12.571	12.602	12.567		
1415677 at	Dhrs1	NM_026819	Mm.21623	14	9.659	10.215	10.170	10.076	10.221	10.146	10.024	9.911	10.198	10.437	10.027	10.157	10.104	10.076	10.173	10.201	9.757	10.034	10.235	10.120	9.947	9.748	9.936	10.206		
1415678 at	Ppm1a	BC008595	Mm.261045	12	12.014	11.835	12.016	12.013	12.090	12.056	12.112	12.163	11.912	12.126	12.052	12.137	12.075	11.873	12.173	12.034	12.131	12.149	12.139	12.261	12.176	12.322	12.249	12.120		
1415679 at	Psenen	NM_025498	Mm.86557	7	11.829	12.331	11.644	11.687	11.927	11.840	11.785	12.082	12.568	12.160	11.882	12.180	12.270	12.086	11.791	11.548	12.287	12.262	11.922	11.832	12.214	12.201	11.715	11.474		
1415680 at	Anapc1	NM_008569	Mm.277408	2	9.411	9.847	9.542	9.554	9.668	9.744	9.640	9.596	9.899	9.869	9.545	9.694	9.610	10.014	9.511	9.761	9.655	9.519	9.645	9.532	9.432	9.730	9.541	9.684		
1415681 at	Mrlp43	NM_053164	Mm.44174	19	9.840	10.343	9.639	9.863	10.021	9.716	9.732	10.623	10.458	10.016	9.917	10.370	10.091	9.898	9.724	9.553	10.838	10.686	10.044	9.996	10.452	10.686	9.602	9.594		
1415682 at	Xpo7	NM_023045	Mm.152987	14	9.007	8.876	9.013	8.998	8.971	8.971	8.832	8.743	8.890	8.954	8.917	8.875	8.936	8.897	8.994	9.129	8.932	9.064	9.099	9.079	9.040	11.688	9.011	9.200		
1415683 at	Nmt1	BC016526	Mm.10265	11	12.028	12.401	11.838	11.833	12.068	11.757	11.808	12.300	12.680	12.334	12.041	12.285	12.230	12.189	11.872	11.883	12.090	11.943	11.600	11.589	12.165	12.323	11.792	11.614		
1415684 at	Atps	NM_019389	Mm.22264	10	8.508	8.609	8.656	8.462	8.695	8.564	8.481	8.417	8.889	8.363	8.516	8.544	8.625	8.531	8.647	8.384	8.448	8.525	8.526	8.524	8.531	8.449	8.692			
1415685 at	Mtfr2	NM_133767	Mm.285429	11	11.005	9.892	10.009	10.052	9.748	10.091	9.589	9.832	8.617	9.991	9.832	8.591	9.374	8.617	9.580	9.976	10.048	10.153	10.263	10.310	10.005	10.061	10.669	10.219		
1415686 at	Rah1a	AV339290	Nm.198264	2	10.354	10.407	10.538	10.383	10.166	10.568	10.304	9.987	10.060	10.308	10.098	10.019	9.891	10.222	10.168	10.433	10.136	10.253	10.367	10.347	10.127	10.198	10.389	10.553		
1415687 a at	Psap	BM212050	Mm.277498	10	13.136	13.042	13.169	13.357	13.095	13.213	13.198	12.629	13.039	12.966	12.762	12.915	12.969	13.125	13.102	13.317	12.930	13.046	13.105	13.168	12.801	12.895	13.367	13.345		
1415688 at	Ube2g1	NM_025985	Mm.458052	11	12.121	11.762	12.143	11.919	11.916	12.034	12.095	12.066	11.563	11.899	12.065	11.919	11.977	11.843	12.179	12.144	11.979	11.754	11.852	12.096	12.042	12.055	12.173	12.401		
1415689 s at	Zkscan3	BC007473	Mm.296071	13	10.045	9.754	10.307	9.968	9.851	10.188	10.120	9.458	9.666	10.026	9.508	9.757	9.781	9.702	9.749	10.140	9.796	9.876	9.868	10.024	9.909	9.956	10.312	9.947		
1415690 at	Mrlp27	NM_053161	Mm.34951	11	11.055	11.213	10.930	11.100	11.191	11.086	11.076	11.431	11.149	10.844	10.813	11.286	11.102	10.633	10.813	10.920	11.771	11.548	11.045	11.159	11.705	11.686	10.824	10.736		
1415691 at	Dla1	BC176806	Mm.382	16	11.163	10.881	11.220	11.194	11.107	11.166	11.141	11.961	11.098	11.200	10.893	11.065	11.080	11.069	10.954	11.248	11.149	11.009	11.054	11.131	10.969	11.191	11.151	11.270		
1415692 a at	Ube2g2	NM_182627	Mm.248287	11	12.569	12.609	12.714	12.652	12.022	12.732	12.823	12.979	12.507	12.734	12.627	12.740	12.550	12.856	12.513	12.850	12.478	12.592	12.572	12.585	12.572	12.585	12.542	12.657		
1415693 at	Der1	AW545361	Mm.289387	15	10.179	10.912	10.209	10.340	10.461	10.466	10.228	9.940	10.640	10.573	10.240	10.296	10.332	10.650	10.257	10.116	10.187	10.273	10.443	10.327	10.101	10.269	10.199	10.342		
1415694 at	Wasl	AK004541	Mm.38433	12	8.642	8.781	8.859	8.786	8.489	8.633	8.502	7.911	8.463	8.550	8.860	8.501	8.265	8.745	8.610	8.934	8.305	8.533	8.632	8.732	8.354	8.224	8.895	8.648		
1415695 at	Psmal1	BC005762	Mm.121265	7	11.172	11.116	11.262	11.078	11.012	11.168	11.253	10.957	10.708	10.852	10.967	10.978	10.783	11.018	11.044	11.143	11.091	11.211	11.163	11.157	11.259	11.225	11.052	11.243		
1415696 at	Sar1a	BC005549	Mm.391794	10	12.728	12.566	12.774	12.607	12.578	12.838	12.524	12.430	12.418	12.492	12.522	12.473	12.477	12.548	12.661	12.832	12.542	12.408	12.570	12.639	12.647	12.775	12.983	12.903		
1415697 at	G3bp2	BC069656	Mm.290530	5	8.506	9.088	8.414	8.323	8.716	8.514	8.707	9.020	9.138	8.953	8.741	8.758	8.625	9.015	8.515	8.859	8.773	8.691	8.528	8.534	8.668	8.830	8.438	8.328		
1415698 at	Golm1	BC011152	Mm.171335	13	8.924	9.819	9.960	9.012	9.558	9.148	8.613	9.348	10.161	9.857	9.288	9.836	9.766	9.683	9.246	9.021	9.126	9.082	8.786	8.992	8.944	9.049	8.718	8.888		
1415699 a at	Gps1	NM_004750	Mm.38095	11	10.655	10.481	10.466	10.450	10.398	10.585	10.319	10.368	10.812	10.692	10.651	10.706	10.658	10.758	10.418	10.805	10.952	10.788	10.562	10.772	10.742	10.772	10.742	10.772		
1415700 a at	Sst3	BC011111	Mm.232728	3	12.593	13.113	12.616	12.552	12.720	12.795	12.698	12.451	12.563	12.568	12.532	12.736	12.532	12.683	12.109	12.747	12.855	12.311	12.558	12.572	12.658	12.450	12.524	12.657		
1415701 x at	Rpl23	BC025918	Mm.140380	11	13.640	13.860	13.350	13.417	13.506	13.345	13.417	13.503	13.720	13.453	13.723	13.581	13.709	13.664	13.742	13.513	13.274	13.771	13.566	13.498	13.355	13.733	13.764	13.455	13.023	
1415702 a at	Ctbp1	BC013702	Mm.7286	5	11.835	12.042	11.939	12.077	11.903	11.979	11.970	11.625	11.701	11.760	11.680	11.677	11.634	11.884	11.826	11.966	11.862	11.840	11.910	11.960	11.757	11.712	11.957	11.991		
1415703 at	Huwl1	BM248615	Mm.27372	X	10.462	10.432	10.467	10.578	10.668	10.598	10.449	10.562	10.425	10.522	10.458	10.388	10.478	10.380	10.416	10.640	10.538	10.481	10.400	10.584	10.506	10.635	10.457	10.625		
1415704 a at	Cdv3	AF320340	Mm.261025	9	11.979	11.945	11.839	11.688	11.986	11.575	11.904	12.428	11.839	12.040	12.364	11.912	11.955	11.884	11.829	11.840	11.383	11.362	11.340	11.365	11.645	11.749	11.672	11.842		
1415705 at	9130011J15RIK	AK018610	Mm.22565	8	10.019	10.174	10.377	10.343	10.305	10.296	10.135	9.562	9.768	10.117	9.988	10.073	9.947	10.171	10.046	10.402	9.790	9.950	10.132	10.108	9.716	9.637	9.879	9.947		
1415706 at	Copa	BC175820	Mm.30041	1	11.246	11.574	11.188	11.142	11.413	11.283	10.956	11.413	11.892	11.789	11.563	11.565	11.635	11.783	11.471	11.276	11.397	11.381	11.383	11.344	11.302	11.356	11.392	11.301		
1415707 at	Alo05318	Mm.291624	Mm.291624	2	9.855	10.312																								

1415747	s	at	RioK3	C80812	Mm.28551	18	10.767	11.077	11.093	11.023	11.211	11.083	11.084	11.176	11.214	11.235	11.060	11.226	11.283	11.205	11.103	11.000	11.208	11.076	11.065	11.147	11.253	11.157	11.139
1415748	a	at	Dctn5	NM 021608	Mm.475884	7	9.008	9.605	9.105	9.466	9.155	9.128	9.369	8.850	9.267	9.235	8.901	9.492	9.080	9.353	9.433	9.167	8.755	9.291	9.460	9.283	9.301	8.789	9.309
1415749	a	at	Rrac	NM 017475	Mm.220922	4	11.262	11.545	11.466	11.368	11.387	11.472	11.298	11.081	11.484	11.511	11.209	11.430	11.363	11.548	11.549	11.472	11.070	10.970	11.206	11.100	11.052	11.076	11.401
1415750	a	at	Tbl3	BC019504	Mm.100353	17	8.112	8.656	8.198	8.248	8.246	8.176	8.266	8.200	8.118	8.210	8.103	8.210	7.956	8.442	8.019	8.178	8.363	8.228	8.325	8.304	8.177	8.093	8.136
1415751	a	at	Hplba3	BC021024	Mm.399941	4	11.412	11.486	11.348	11.477	11.490	11.331	11.371	11.357	11.413	11.474	11.303	11.528	11.611	11.479	11.376	11.302	11.312	11.570	11.312	11.336	11.383	11.453	11.445
1415752	a	at	BC031181	BC016084	Mm.29866	18	10.977	11.450	11.084	11.049	11.076	11.200	11.169	10.866	11.384	11.200	11.025	11.163	11.054	11.333	11.028	11.132	10.914	11.099	11.168	11.069	10.934	10.849	11.007
1415753	a	at	D10Bwq1364e	BC005632	Mm.29802	10	9.761	10.594	9.614	9.751	10.201	9.634	9.501	10.140	10.606	10.312	10.013	10.473	10.291	9.943	9.933	9.575	10.148	10.261	9.847	9.707	10.082	10.125	9.943
1415754	a	at	PoiI2	BC024419	Mm.279861	15	10.881	11.206	10.726	10.867	10.756	10.730	10.782	10.945	10.989	10.792	10.767	10.729	10.579	10.713	10.525	10.694	11.256	11.207	10.939	10.833	11.189	11.087	10.651
1415755	a	at	Ube2v1	BC019372	Mm.278783	2	10.951	11.759	11.058	11.245	11.203	11.189	11.058	10.719	11.279	11.279	11.065	11.266	11.077	11.261	11.002	11.083	10.965	11.247	11.277	11.247	11.027	10.796	11.105
1415756	a	at	Snapi	BB667523	Mm.331182	3	10.790	10.820	11.014	11.070	11.025	11.156	11.026	10.818	10.612	10.879	10.739	11.042	11.024	10.765	10.988	10.985	11.219	11.212	11.225	11.312	11.054	11.083	11.106
1415757	a	at	Gbl1	BM948896	Mm.271620	19	9.525	9.973	9.519	9.781	9.695	9.474	9.523	9.202	9.560	9.571	9.425	9.629	9.398	9.535	9.511	9.638	9.411	9.538	9.478	9.560	9.509	8.749	9.507
1415758	a	at	Frv1	BM118442	Mm.475877	5	9.188	9.153	9.135	8.967	9.188	9.035	8.987	8.975	9.209	9.303	8.823	9.008	9.236	8.987	9.060	9.127	9.117	9.175	9.261	8.995	8.823	9.071	8.851
1415759	a	at	Hbnp3	BC020547	Mm.290035	3	11.126	11.220	11.102	11.273	11.377	11.245	11.204	11.235	11.364	11.146	11.029	11.405	11.367	11.049	11.117	11.154	11.525	11.460	11.297	11.248	11.148	11.424	11.085
1415760	s	at	Atok1	BC027632	Mm.217759	11	10.152	10.684	10.172	10.277	10.680	10.219	10.072	10.554	10.856	10.596	10.382	10.894	10.874	10.520	10.420	10.113	10.416	10.557	10.145	10.145	10.325	10.408	9.944
1415761	a	at	Mrlp52	AV021593	Mm.248163	14	8.414	9.135	8.077	8.213	8.561	8.116	8.291	9.469	9.314	8.781	8.813	8.811	8.526	8.799	8.041	7.856	9.429	9.057	8.338	7.976	9.084	9.319	7.898
1415762	x	at	Mrlp52	AV021593	Mm.248163	14	8.546	9.211	8.258	8.292	8.621	8.210	8.408	9.456	9.300	8.717	8.875	8.869	8.538	8.768	8.139	7.935	9.469	9.032	8.420	8.217	9.088	9.341	8.011
1415763	a	at	Z510006D16Rik	BE853401	Mm.475621	4	10.316	10.504	10.130	10.038	10.466	9.889	10.057	10.522	10.707	10.555	10.235	10.609	10.637	10.145	10.153	10.055	10.510	10.318	10.114	9.933	10.238	10.572	9.817
1415764	a	at	Zc3h11a	AK004350	Mm.245357	1	11.011	11.361	11.000	10.896	11.110	11.255	10.945	11.058	11.009	11.124	11.019	11.122	11.122	11.295	11.062	11.086	10.619	10.669	10.872	10.783	10.811	11.021	11.046
1415765	a	at	Hnmpu2	BI080136	Mm.411443	19	8.283	8.856	8.101	8.348	8.448	8.306	8.092	8.674	8.669	8.414	8.372	8.308	8.605	8.342	8.407	8.290	8.430	8.166	8.319	8.321	8.339	8.538	8.158
1415766	a	at	Sec22a	BO175529	Mm.2551	3	8.590	9.018	8.653	8.586	8.773	8.721	8.452	8.417	8.991	8.983	8.386	8.583	8.999	8.887	8.649	8.643	9.162	8.554	8.737	8.543	8.409	8.312	
1415767	a	at	Ythd1	BB350365	Mm.30205	2	10.458	10.672	10.820	10.701	10.291	10.836	10.719	10.182	10.368	10.592	10.100	10.392	10.448	10.783	10.665	10.794	10.136	10.464	10.831	10.718	10.393	10.366	10.156
1415768	a	at	Ube2r2	AV054417	Mm.389540	4	10.942	10.901	10.798	11.085	10.865	10.805	10.887	11.230	10.776	10.861	10.710	11.015	10.942	10.684	10.831	10.817	11.397	11.222	10.988	10.998	11.256	11.555	10.899
1415769	a	at	Itch	NM 008395	Mm.208286	2	8.918	9.142	9.011	8.957	9.232	9.036	9.093	9.050	9.241	9.380	9.077	9.299	9.243	9.185	9.204	9.101	8.832	8.875	9.031	9.126	8.929	9.146	8.992
1415770	a	at	Wdr6	NM 031392	Mm.335454	9	8.727	9.157	8.761	8.997	9.100	8.707	8.772	8.809	9.129	8.954	8.396	9.070	9.243	9.018	8.638	8.779	9.205	9.027	8.992	8.657	8.741	8.703	8.352
1415771	a	at	Ncl	BF118393	Mm.154378	1	11.675	11.939	11.909	11.747	11.716	11.897	11.742	11.720	11.718	11.926	12.000	11.882	11.769	12.152	12.046	11.866	11.623	11.622	11.862	11.801	11.599	11.663	11.780
1415772	a	at	Ncl	BF118393	Mm.154378	1	8.143	8.334	8.149	8.247	8.162	8.216	7.908	8.041	7.678	7.938	8.003	7.925	7.889	7.978	8.059	8.033	8.425	8.237	8.069	7.881	8.009	8.514	8.059
1415773	a	at	Ncl	BF118393	Mm.154378	1	9.113	9.398	9.141	9.365	9.149	9.362	9.187	9.365	9.241	9.387	9.104	9.604	9.387	9.604	9.387	9.604	9.387	9.604	9.387	9.604	9.387	9.604	9.387
1415774	a	at	Elp2	NM 021448	Mm.411443	18	7.909	8.415	8.014	8.065	8.243	8.087	8.325	8.095	8.243	8.325	8.095	8.243	8.325	8.095	8.243	8.325	8.095	8.243	8.325	8.095	8.243	8.325	8.095
1415775	a	at	Rbbp7	BC003785	Mm.270186	x	12.804	12.784	12.852	12.744	12.673	12.957	12.859	12.810	12.439	12.638	12.733	12.647	12.637	12.722	12.703	12.900	12.841	12.746	12.864	12.943	12.886	12.936	12.786
1415776	a	at	Alph3a2	NM 007437	Mm.398221	11	7.741	8.097	7.954	8.056	8.074	8.111	7.807	8.067	8.173	8.125	7.814	8.170	8.096	7.957	8.018	8.025	8.330	8.086	8.058	8.096	8.115	8.413	7.859
1415777	a	at	Plnlpf1	NM 018874	Mm.10753	19	5.624	5.426	5.439	5.372	5.361	5.425	5.541	5.464	5.315	5.371	5.528	5.286	5.292	5.516	5.465	5.620	5.388	5.360	5.450	5.278	5.535	5.509	5.436
1415778	a	at	Morf4p2	NM 019768	Mm.27218	x	11.531	12.236	11.450	11.466	11.595	11.660	11.569	11.209	12.103	11.526	11.935	11.534	11.682	12.331	11.752	11.505	10.786	11.140	11.536	11.432	11.045	10.855	11.513
1415779	s	at	Act1	NM 031798	Mm.196173	11	13.075	13.749	12.714	12.817	13.090	12.949	12.995	13.019	13.698	13.391	13.528	13.041	13.100	13.638	12.888	12.770	12.142	12.401	12.325	12.079	12.272	12.479	12.704
1415780	a	at	Armcx2	NM 026139	Mm.285969	x	8.492	9.928	8.648	8.695	9.206	9.081	8.711	9.118	9.853	9.695	9.205	9.369	9.595	9.868	9.206	8.778	8.392	8.588	8.826	8.455	8.227	8.478	8.433
1415781	a	at	Ubc13	NM 031354	Mm.29923	11	7.943	12.758	13.849	8.155	12.773	13.943	13.950	8.155	12.773	13.943	13.950	8.155	12.773	13.943	13.950	8.155	12.773	13.943	13.950	8.155	12.773	13.943	13.950
1415782	a	at	Sumo2	NM 133354	Mm.29923	11	12.467	12.454	12.401	12.506	12.482	12.623	12.594	12.518	12.304	12.311	12.466	12.488	12.465	12.555	12.495	12.468	12.653	12.431	12.534	12.569	12.560	12.702	12.554
1415783	a	at	Vps35	BI654068	Mm.296520	8	11.385	11.552	11.484	11.512	11.524	11.575	11.501	11.772	11.606	11.811	11.429	11.637	11.608	11.687	11.492	11.515	11.549	11.317	11.452	11.503	11.475	11.729	11.437
1415784	a	at	Vps35	BI654068	Mm.296520	8	7.451	7.610	7.322	7.400	8.379	7.414	7.261	7.698	7.574	7.436	7.229	7.477	7.685	7.438	7.396	7.419	7.423	7.352	7.324	7.138	7.501	7.287	7.369
1415785	a	at	Cc18	NM 009840	Mm.328673	16	10.878	11.593	10.914	10.729	10.967	10.958	10.965	11.528	11.486	11.540	11.265	11.717	11.167	11.532	11.137	10.982	11.053	10.887	11.051	10.943	11.027	11.203	10.868
1415786	a	at	Pac	NM 025973	Mm.22957	17	7.553	7.239	7.496	7.164	7.214	7.251	7.305	7.165	7.375	7.367	7.288	7.364	7.350	7.211	7.322	7.562	7.438	7.340	7.170	7.4			

1415836	at	Aldh18a1	NM 019698	Mm.233117	19	7.285	8.319	6.887	7.411	7.779	7.415	7.236	7.727	8.142	8.019	7.891	7.469	7.612	7.999	7.477	7.050	7.335	7.453	7.359	7.189	7.734	7.362	7.210	
1415837	at	Klkl1	BC010754	Mm.142722	7	6.209	5.461	6.216	5.984	5.593	6.374	6.138	5.622	5.250	5.681	5.801	5.262	5.695	5.289	5.708	6.022	6.042	6.248	5.856	6.166	6.110	5.672	6.022	6.232
1415838	at	Serinc1	AK005203	Mm.29344	10	12.308	12.295	12.518	12.311	12.077	12.399	12.219	11.951	12.269	12.466	11.979	12.194	12.196	12.213	12.332	12.511	12.147	12.124	12.324	12.358	12.171	12.174	12.389	12.167
1415839	a at	Npm1	NM 008722	Mm.6343	11	11.645	12.106	11.495	11.667	11.782	11.692	11.524	11.963	12.012	11.964	11.848	11.918	11.924	12.076	11.858	11.500	11.973	11.570	11.576	11.522	11.962	12.175	11.517	11.567
1415840	at	Elovl5	NM 134255	Mm.430736	9	10.266	10.265	10.361	10.281	10.554	10.456	10.254	10.339	10.552	10.709	10.574	10.409	10.512	10.607	10.502	10.418	10.191	10.197	10.419	10.235	10.361	10.238	10.730	10.246
1415841	at	Dync1l2	NM 010084	Mm.294979	2	10.542	10.807	10.599	10.599	10.743	10.645	10.572	10.479	10.845	10.893	10.578	10.706	10.682	10.834	10.778	10.632	10.384	10.406	10.528	10.487	10.489	10.622	10.730	10.400
1415842	at	Gbl	NM 019988	Mm.289516	17	8.434	8.316	8.348	8.414	8.512	8.320	8.285	8.359	8.380	8.355	8.317	8.225	8.301	8.506	8.330	8.397	8.469	8.579	8.686	8.656	8.362	8.188	8.326	8.390
1415843	at	Gbl	NM 019988	Mm.289516	17	6.671	6.740	6.621	6.930	6.742	6.809	6.842	6.992	6.665	6.661	6.798	6.788	6.925	6.898	6.827	6.717	6.675	6.627	6.870	6.785	6.714	6.456	6.844	6.783
1415844	at	Syt4	AV336547	Mm.233846	18	4.120	4.125	4.321	4.094	4.078	4.130	4.275	4.185	4.006	4.132	4.144	4.041	4.051	4.138	4.199	4.231	4.178	4.249	4.155	4.132	4.142	4.230	4.403	4.272
1415845	at	Syt4	AV336547	Mm.233846	18	5.371	4.982	5.322	5.334	5.275	5.090	5.214	5.099	5.207	5.199	5.239	5.202	5.297	5.122	5.277	5.232	5.189	5.219	5.276	5.381	5.400	5.353	5.284	5.132
1415846	a at	Ldhc	NM 013580	Mm.16563	7	4.890	4.840	4.874	4.870	4.837	4.974	4.826	4.728	4.599	4.644	5.013	4.847	4.836	4.938	4.725	4.648	4.822	4.799	4.929	5.092	4.726	4.713	4.879	4.656
1415847	at	Ldhc	NM 013580	Mm.16563	7	6.436	6.148	6.325	6.294	6.346	6.131	6.276	6.283	6.363	6.263	6.414	6.071	6.251	6.260	6.017	6.233	6.304	6.296	6.177	6.442	6.458	6.503	6.378	6.243
1415848	at	Prtd1	NM 008064	Mm.233151	13	8.577	8.456	8.555	8.642	8.557	8.541	8.574	8.590	8.385	8.355	8.731	8.524	8.574	8.521	8.634	8.767	8.526	8.515	8.453	8.788	8.621	8.678	8.596	8.454
1415849	s at	Tsmn1	BC010581	Mm.378957	4	11.079	12.552	10.942	11.437	12.071	11.602	11.686	12.197	12.343	12.119	12.374	11.381	11.718	12.442	12.178	10.916	11.738	11.467	11.561	11.724	11.778	11.859	11.843	11.613
1415850	at	Rasa3	NM 009025	Mm.18517	8	8.836	9.390	9.055	9.103	9.310	9.278	9.111	9.423	9.756	9.680	9.345	9.669	9.646	9.722	9.656	9.089	9.097	9.096	9.094	9.002	8.877	9.058	8.761	8.859
1415851	a at	Impdh2	M33934	Mm.6065	9	11.191	11.473	11.294	11.244	11.181	11.428	11.304	11.203	11.209	11.132	11.461	11.136	11.199	11.609	11.263	11.181	11.424	11.532	11.044	11.372	11.287	11.358	11.327	11.253
1415852	at	Impdh2	M33934	Mm.6065	9	10.428	10.909	10.533	10.586	10.446	10.669	10.498	10.205	10.449	10.503	10.737	10.443	10.456	11.096	10.578	10.450	10.358	10.591	10.748	10.524	10.275	10.314	10.488	10.420
1415853	at	Def8	NM 054046	Mm.275127	8	9.950	9.900	9.972	10.152	10.062	9.972	10.104	9.857	10.036	9.969	9.920	9.966	10.019	10.063	9.962	9.989	9.755	9.990	9.985	10.073	9.914	9.630	11.188	9.996
1415854	at	Kifl	BB815530	Mm.45124	10	6.642	6.930	6.486	6.692	6.568	6.581	6.707	6.842	6.394	6.310	7.220	6.776	6.557	6.501	6.832	6.652	6.679	6.519	6.346	6.514	6.827	6.855	6.540	6.716
1415855	at	Kifl	BB815530	Mm.45124	10	11.460	11.165	11.408	11.184	11.229	11.267	11.427	11.354	10.538	11.059	11.679	11.193	11.115	11.296	11.405	11.416	10.995	10.954	10.885	11.116	11.374	11.678	11.473	11.606
1415856	at	Emb	BG064842	Mm.274926	13	7.369	8.716	7.098	7.330	7.544	7.844	7.184	7.250	8.302	8.344	7.751	7.631	7.588	9.171	7.530	7.184	6.939	7.017	7.189	7.171	7.004	6.901	7.041	7.146
1415857	at	Emf	BG064842	Mm.274926	13	8.162	8.924	7.936	7.920	7.934	8.193	7.834	7.828	8.527	8.424	8.237	8.011	8.106	9.334	7.931	7.918	7.647	7.427	7.828	7.622	7.896	7.721	7.791	7.896
1415858	at	Eif3c	BB858329	Mm.22776	7	11.115	11.407	11.145	11.391	11.135	11.162	11.080	11.298	11.377	11.443	11.284	11.456	11.318	11.291	11.243	11.279	11.498	11.305	11.311	11.258	11.379	11.500	11.296	11.253
1415859	at	Eif3c	BB858329	Mm.22776	7	10.062	10.454	9.595	9.937	10.316	9.705	9.738	10.724	10.517	10.007	9.987	10.356	10.229	9.759	9.727	9.589	10.875	10.391	9.895	9.733	10.654	10.751	9.749	9.478
1415860	at	Kpna2	NM 010655	Mm.12508	11	11.977	12.176	12.014	11.888	11.845	11.759	12.141	12.031	11.902	12.021	12.084	11.799	11.597	12.064	11.807	12.146	11.979	11.480	11.341	11.424	12.069	12.434	11.771	12.403
1415861	at	Tvrp1	BB762957	Mm.30438	4	5.516	5.300	5.366	5.058	5.196	5.461	5.260	5.262	5.097	5.159	5.287	5.323	5.168	5.266	5.327	5.376	5.251	5.320	5.407	5.306	5.428	5.166	5.196	
1415862	at	Tvrp1	NM 012957	Mm.30438	4	5.294	5.366	5.255	5.058	5.275	5.949	5.270	5.285	5.076	5.173	5.379	5.576	5.608	5.650	5.802	5.581	5.605	5.682	5.605	5.638	5.605	5.605	5.616	
1415863	at	Bpm	NM 013507	Mm.185453	7	12.631	12.359	12.510	12.610	12.445	12.525	12.748	12.191	12.473	12.512	12.423	12.493	12.587	12.293	12.423	12.516	12.656	12.369	12.400	12.422	12.788	12.647	12.530	12.302
1415864	at	Bpam	NM 007563	Mm.282863	6	7.175	7.500	7.757	7.469	7.393	7.430	7.487	7.134	7.751	7.951	7.710	7.368	7.066	7.759	7.341	7.818	7.474	7.825	7.759	7.751	7.394	7.491	7.395	7.627
1415865	s at	Bpam	NM 007563	Mm.282863	6	9.194	9.343	9.549	9.269	9.400	9.335	9.377	9.223	9.535	9.598	9.524	9.114	8.864	9.540	9.133	9.558	9.272	9.713	9.569	9.424	9.294	9.339	9.395	9.414
1415866	at	Unc54a	NM 133952	Mm.243024	7	7.023	7.494	7.349	7.207	7.386	7.338	7.140	7.315	7.343	7.289	7.271	7.321	7.279	7.337	7.237	7.304	7.523	7.311	7.413	7.249	7.336	7.200	7.299	7.350
1415867	at	Cct4	NM 009837	Mm.296985	11	12.114	12.296	12.220	12.189	11.955	12.317	12.131	11.942	12.020	12.128	12.204	11.885	12.000	12.453	12.196	12.224	11.977	12.000	12.345	12.238	12.013	12.309	12.231	12.242
1415868	at	Ctcd4	NM 009837	Mm.296985	11	5.676	5.307	4.967	5.205	5.509	5.584	5.337	5.199	5.493	5.049	5.733	5.070	5.129	5.336	5.622	5.285	5.002	5.441	5.069	5.547	5.159	5.175	5.371	5.180
1415869	a at	Trin28	NM 011588	Mm.15701	7	9.862	10.460	9.729	10.088	10.307	10.038	9.794	9.909	10.211	10.086	10.019	10.099	10.322	10.067	9.914	9.794	10.274	10.141	10.162	9.821	10.060	10.142	9.900	9.698
1415870	at	Snu1	NM 015945	Mm.14455	16	12.750	12.982	12.432	12.925	12.396	12.077	12.727	12.256	12.938	12.930	12.566	12.339	12.466	12.718	12.073	12.550	12.914	12.948	12.548	12.914	12.948	12.914	12.948	12.914
1415871	at	Tnfrp1	NM 009369	Mm.14455	13	8.597	10.583	8.373	8.540	8.904	9.257	8.335	8.462	10.081	9.586	8.626	8.531	8.722	10.239	8.738	8.440	8.115	7.826	8.138	7.644	8.405	8.154	7.865	8.171
1415872	at	Hnrrph1	NM 021510	Mm.21740	11	12.236	12.150	12.401	12.279	11.947	12.509	12.341	11.318	11.824	12.073	12.377	11.723	11.829	12.288	12.188	12.504	11.530	11.923	12.152	12.327	11.728	11.443	12.356	12.294
1415873	a at	Actr1a	NM 016860	Mm.3118	19	10.780	11.327	10.962	10.905	11.121	10.982	10.768	10.781	11.262	11.370	10.980	11.176	11.129	11.197	11.077	10.909	10.895	11.089	11.092	11.087	10.805	11.083	10.979	11.063
1415874	at	Sprv1	NM 011896	Mm.330986	3	9.960	10.274	10.053	10.066	10.607	9.983	9.839	9.847	10.384	10.477	10.071	10.761	10.787	9.979	10.325	10.092	10.084	9.938	9.937	10.138	9.939	9.822	10.209	9.844
1415875	at	Fam60a	NM 019643	Mm.18637	6	6.234	5.920	6.118	6.208	5.889	5.691	6.020	5.909	5.892	5.935	6.184	5.951	5.852											

1415925	a	at	Nup62	NM	053074	Mm.2565	7	9.233	10.168	9.392	9.345	9.317	9.293	9.310	9.503	9.749	9.656	9.925	9.516	9.416	9.918	9.304	9.403	9.373	9.547	9.393	9.218	9.470	9.354	9.418	9.353
1415926	at	Nup62	NM	053074	Mm.2565	7	9.543	10.251	9.608	9.540	9.365	9.355	9.368	9.532	9.685	9.995	9.925	9.534	9.508	9.942	9.556	9.536	9.439	9.582	9.553	9.345	9.469	9.341	9.530	9.463	
1415927	at	Actc1	NM	009608	Mm.686	2	15.110	15.117	15.055	15.058	15.066	15.069	15.059	15.061	15.081	15.213	15.036	15.035	15.019	15.099	15.096	15.050	14.961	15.015	15.074	15.044	15.036	14.998	15.047	15.106	
1415928	a	at	Map1lc3b	AU080586	Mm.28357	8	12.972	12.344	13.231	12.928	12.631	12.904	12.817	12.444	12.247	12.123	12.375	12.747	12.676	12.444	12.851	13.170	12.812	12.942	12.905	12.896	12.798	12.918	13.086	13.037	
1415929	a	at	Map1lc3b	AU080586	Mm.28357	8	12.414	11.727	9.452	12.380	12.144	12.260	12.136	11.922	11.825	11.901	11.991	12.303	12.135	11.727	12.219	12.468	12.583	12.468	12.519	12.524	12.494	12.548	12.473	12.339	
1415930	a	at	Map1lc3b	AU080586	Mm.28357	8	11.856	11.477	11.602	11.618	11.954	11.452	11.509	12.288	11.805	11.674	11.482	12.333	11.241	11.911	11.585	12.482	12.067	11.546	11.537	12.272	12.485	11.468	11.394	11.468	
1415931	at	Iqf1	NM	010514	Mm.3862	7	6.689	6.166	6.531	6.651	6.463	6.706	6.406	6.291	6.270	6.276	6.700	6.123	6.501	6.335	6.621	6.563	6.415	6.521	6.564	6.579	6.249	6.500	6.490	6.490	
1415932	x	at	Atp9a	NM	015731	Mm.330819	2	10.945	10.835	11.149	10.944	11.218	10.726	10.791	11.027	10.856	11.196	11.069	10.679	11.020	11.232	10.269	10.625	10.685	10.567	10.363	10.416	10.523	10.445	10.445	
1415933	a	at	Cox5a	NM	007747	Mm.273403	9	14.292	13.979	14.299	14.289	14.108	14.116	14.138	14.076	13.909	14.115	13.997	13.969	13.894	14.055	14.127	14.283	14.056	14.049	14.120	14.095	14.240	14.183	14.286	
1415934	at	Cops8	AF482000	Mm.119177	1	11.003	11.147	10.902	10.996	11.007	10.993	10.902	11.170	10.796	10.781	10.970	10.962	10.906	10.955	10.827	10.921	11.278	11.270	10.928	10.958	11.136	10.910	10.973	10.963	10.963	
1415935	at	Smoc2	NM	022315	Mm.30162	17	10.369	9.734	10.315	11.004	10.742	10.922	10.371	10.324	9.160	9.756	10.560	10.373	10.293	10.286	10.715	10.439	10.307	10.307	10.029	10.308	10.316	10.596	10.250	10.470	
1415936	at	Bcnr3	NM	013867	Mm.45815	3	7.937	7.517	7.700	7.648	7.759	7.856	7.616	8.224	7.971	7.909	8.062	7.670	7.756	7.926	7.909	7.914	8.274	8.090	7.970	7.985	7.949	8.118	8.034	7.926	
1415937	s	at	Pdc05ip	BC026823	Mm.29816	9	9.127	9.262	9.183	9.237	9.377	9.137	8.985	9.024	9.091	9.267	9.068	9.373	9.278	9.096	9.262	9.106	8.996	8.983	9.003	8.900	8.926	9.059	9.113	9.211	
1415938	at	Snprk3	NM	009258	Mm.272	18	5.876	5.402	5.739	5.824	5.750	5.723	5.718	5.738	5.603	5.681	5.842	5.722	5.782	5.459	5.828	5.630	5.696	5.804	5.823	6.063	5.748	5.634	5.648	5.817	
1415939	at	Fmod	NM	021355	Mm.287146	1	7.636	7.543	7.400	7.341	8.221	8.769	7.442	8.054	8.257	8.908	7.810	10.509	10.489	7.912	9.297	7.435	7.639	8.324	7.907	7.524	8.236	7.230	7.433	7.575	
1415940	at	Zfand2a	NM	133349	Mm.24521	5	9.299	9.749	9.602	9.347	9.580	9.695	9.537	9.159	9.458	9.664	9.567	9.513	9.643	9.691	9.681	9.608	9.190	9.355	9.569	9.473	9.103	9.243	9.662	9.539	
1415941	s	at	Zfand2a	NM	133349	Mm.24521	5	7.412	7.463	7.396	7.412	7.356	7.296	7.317	7.293	7.380	7.663	7.334	7.336	7.167	7.453	7.420	7.320	7.176	7.245	7.337	6.956	7.164	7.279	7.340	7.255
1415942	at	Rpl10	NM	052835	Mm.100113	X	13.110	13.849	13.076	13.222	13.375	13.416	13.277	13.384	13.948	13.847	13.405	13.619	13.688	13.784	13.406	13.319	13.351	13.243	13.263	13.225	13.234	13.319	13.022	12.956	
1415943	at	Sdc1	BI788645	Mm.2580	12	7.782	8.271	7.477	7.776	8.429	7.970	7.574	7.468	9.952	9.236	8.784	8.350	8.934	9.764	8.390	7.821	6.932	7.290	7.757	7.358	7.071	7.126	7.272	7.231		
1415944	at	Sdc1	BI788645	Mm.2580	12	7.770	8.119	7.870	7.856	7.971	7.714	7.603	8.017	8.458	8.177	8.162	8.055	8.266	8.403	7.992	7.850	7.551	7.558	7.663	7.392	7.838	7.676	7.615	7.674		
1415945	at	Mcm5	NM	008566	Mm.5048	8	6.150	8.949	6.373	6.833	7.747	7.091	7.158	6.921	6.994	6.751	7.392	6.312	6.585	6.335	6.655	6.515	6.620	6.443	6.388	6.175	6.097	6.278	6.250	6.250	
1415946	at	Ploq	NM	011822	Mm.362054	17	9.654	10.050	9.830	9.747	9.813	9.856	9.714	9.589	9.966	10.120	9.718	10.001	9.742	10.116	9.834	9.777	9.501	9.833	9.893	9.886	9.519	9.362	9.511	9.904	
1415947	at	Creq1	BC027426	Mm.294885	1	11.541	11.361	11.364	11.580	11.208	11.196	11.440	11.377	11.279	10.949	10.650	11.393	11.280	11.115	11.038	11.428	12.051	11.725	11.608	11.327	11.801	11.895	11.228	11.225	11.225	
1415948	at	Creq1	BC027426	Mm.294885	1	11.362	10.727	11.496	11.492	10.897	11.252	11.226	10.767	10.466	10.602	10.414	10.867	10.845	10.771	10.968	11.452	11.696	11.586	11.652	11.525	11.406	11.612	11.382	11.543	11.543	
1415949	at	Cpe	BC010197	Mm.31395	8	12.367	11.940	12.511	12.356	12.808	12.593	12.549	12.393	11.868	12.451	12.324	13.033	12.711	12.109	13.028	12.302	12.381	12.432	12.512	12.337	12.551	12.021	12.684	12.631	12.631	
1415950	a	at	Pebp1	NM	018858	Mm.195989	5	12.794	12.867	12.899	12.953	12.957	12.752	12.770	13.119	12.683	12.699	12.907	13.124	12.876	12.644	13.016	12.957	13.081	13.128	12.944	13.082	13.103	12.930	13.029	13.023
1415951	at	Hsp10	NM	032221	Mm.384	11	8.959	9.722	8.948	8.944	9.265	8.971	8.802	8.949	8.887	8.949	8.851	9.232	8.958	9.704	8.911	8.359	8.093	8.305	8.721	8.471	8.305	8.721	8.471	8.305	
1415952	at	Mark2	BI686265	Mm.258986	10	8.420	8.568	8.515	8.548	8.548	8.515	8.548	8.418	8.431	8.415	8.431	8.415	8.431	8.415	8.431	8.415	8.431	8.415	8.431	8.415	8.431	8.415	8.431	8.415	8.431	
1415953	s	at	Mark2	BI686265	Mm.258986	19	7.541	7.448	7.506	7.579	7.527	7.349	7.566	7.623	7.578	7.268	7.477	7.430	7.217	7.449	7.587	7.564	7.532	7.375	7.475	7.508	7.458	7.357	7.513	7.397	
1415954	a	at	1810049H19Rik	AB009661	Mm.333022	6	4.577	4.369	4.367	4.369	4.309	4.374	4.470	4.402	4.330	4.264	4.464	4.390	4.255	4.432	4.387	4.470	4.469	4.428	4.602	4.373	4.402	4.512	4.383	4.383	
1415955	x	at	Prrm1	K02926	Mm.42733	16	7.905	7.797	7.853	7.951	7.863	7.720	7.860	7.867	7.854	7.865	7.788	7.851	7.842	7.762	7.943	7.833	7.891	7.862	7.933	7.789	7.914	7.780	7.966	7.865	
1415956	a	at	Pctk1	NM	011049	Mm.102574	X	9.607	9.643	9.550	9.640	9.601	9.396	9.663	9.732	9.573	9.706	9.756	9.792	9.612	9.469	9.549	9.708	9.726	9.584	9.507	9.610	9.722	9.728	9.949	9.668
1415957	a	at	Rrp1	AV297071	Mm.38344	10	8.332	8.552	8.741	8.667	8.371	8.664	8.520	8.378	8.373	8.701	8.430	8.484	8.231	8.555	8.645	8.817	8.564	8.489	8.850	8.828	8.419	8.359	8.455	8.744	
1415958	at	Sic2a4	AB008453	Mm.10661	11	13.122	12.262	13.023	13.025	12.661	12.844	12.753	12.354	11.684	12.007	12.090	12.316	12.085	11.881	12.396	13.103	13.099	12.966	12.918	13.088	12.926	12.928	12.945	12.960	12.960	
1415959	at	Sic2a4	AB008453	Mm.10661	11	10.280	10.529	10.327	10.378	10.462	11.381	10.462	10.462	10.387	10.462	10.607	10.516	10.436	10.458	10.458	10.368	9.857	10.580	10.580	10.580	11.322	10.280	11.322	10.280	11.322	
1415960	at	Mpo	NM	010824	Mm.4668	11	7.377	7.059	7.195	7.219	7.094	7.110	7.198	7.143	7.365	7.215	7.408	7.046	7.266	7.253	7.164	7.259	7.323	7.245	7.187	7.434	7.170	7.132	7.192	7.161	
1415961	at	Itm2c	NM	022417	Mm.29870	1	10.403	10.933	10.375	10.545	11.098	10.807	10.435	10.796	11.386	11.251	10.786	11.048	11.436	11.073	11.106	10.416	10.780	10.773	10.531	10.490	10.552	10.669	10.649	10.294	
1415962	at	Eif3h	NM	080635	Mm.289800	15	11.907	12.184	12.004	12.028	12.253	12.119	11.953	12.300	12.346	12.416	12.103	12.399	12.461	12.185	12.154	12.086	12.149	12.116	12.081	11.940	12.007	12.177	11.711	12.002	
1415963	at	Hnmp2	NM	019868	Mm.315909	X	11.117	11.145	11.134	10.893	10.781	10.976	10.871	10.918	10.866	11.087	10.788	10.833	10.811	11.100	10.728	11.067	10.641	10.732							

1416014	at	Abce1	NM	015751	Mm.5831	8	10.153	10.405	10.190	9.895	10.017	10.170	10.114	10.289	10.009	10.188	10.403	9.987	9.877	10.502	10.113	10.193	10.035	9.961	10.117	10.084	9.979	10.012	10.133	10.229	
1416015	s at	Abce1	NM	015751	Mm.5831	8	10.129	10.614	10.179	9.988	10.142	10.241	10.211	10.441	10.323	10.402	10.425	10.225	10.153	10.596	10.144	10.142	10.198	9.997	10.045	9.998	10.209	10.301	10.183	10.235	
1416016	at	Psmb9	AW048052	Mm.390983	17	9.939	8.442	7.792	9.117	8.220	8.177	10.719	8.486	8.597	8.486	8.597	8.429	8.303	8.215	8.336	8.373	7.966	7.824	8.111	7.923	7.946	7.938	8.172	8.061	7.693	7.636
1416017	at	ComB	BC024686	Mm.258785	6	9.438	8.646	9.375	9.413	9.763	9.464	9.250	9.698	8.975	9.626	9.696	9.749	9.761	9.685	9.773	9.419	9.386	9.508	9.581	9.503	9.426	9.425	9.366	9.300		
1416018	at	Dr1	NM	026106	Mm.303534	5	9.403	9.798	9.589	9.338	9.464	9.528	9.525	9.672	9.489	9.771	9.950	9.587	9.582	9.747	9.598	9.385	9.567	9.529	9.528	9.286	9.286	9.600	9.646		
1416019	at	Dr1	NM	026106	Mm.303534	5	5.767	6.499	5.840	5.665	5.489	5.700	5.701	5.233	6.266	6.066	6.424	5.905	5.736	5.180	6.018	5.896	5.032	5.697	5.898	5.844	5.825	6.025	4.908	4.958	
1416020	a at	Ata501	NM	007506	Mm.371547	11	13.811	13.563	13.556	13.568	13.579	13.566	13.694	13.408	13.449	13.264	13.671	13.496	13.354	13.194	13.419	13.565	14.222	14.162	13.750	13.744	14.331	14.224	13.699	13.603	
1416021	a at	Fabp5	BC002008	Mm.741	3	11.983	12.877	11.554	11.894	12.616	11.971	12.167	13.386	12.807	12.504	12.878	12.705	12.755	12.946	12.617	11.585	12.254	12.312	12.093	11.754	12.166	12.306	11.440	11.534		
1416022	at	Fabp5	BC002008	Mm.741	3	9.414	10.544	8.833	9.296	10.065	9.314	9.497	11.466	10.568	10.146	10.593	10.364	10.141	10.468	10.199	8.904	10.265	9.992	9.623	9.326	9.919	10.150	8.828	8.846		
1416023	at	Fabp3	NM	010174	Mm.388886	4	14.801	14.316	14.612	14.670	14.598	14.810	14.765	15.007	13.827	14.065	14.593	14.732	14.641	14.200	14.557	14.564	14.967	14.891	14.622	14.675	14.950	14.992	14.637	14.576	
1416024	x at	Cct3	NM	009836	Mm.256034	3	12.779	13.207	12.798	12.848	12.741	12.842	12.942	12.722	12.857	12.928	12.976	12.708	12.588	13.263	12.745	12.806	12.626	12.738	12.983	12.932	12.627	12.674	12.871	13.008	
1416025	at	Pdc	NM	133862	Mm.16422	3	4.534	4.252	4.339	4.505	4.553	4.665	4.395	4.550	4.498	4.342	4.737	4.481	4.552	4.660	4.541	4.487	4.634	4.672	4.637	4.535	4.621	4.596	4.485	4.454	
1416026	a at	Rpl12	NM	009076	Mm.250030	2	12.036	12.756	11.917	11.876	12.177	12.139	12.018	12.669	12.974	12.703	12.411	12.381	12.355	12.678	12.010	11.667	12.576	12.392	12.030	11.997	12.144	12.398	11.758	11.716	
1416027	at	Cdc6	NM	011051	Mm.24254	13	11.222	11.471	11.278	11.170	11.245	11.231	11.242	11.211	11.305	11.357	11.185	11.307	11.351	11.364	11.227	11.292	11.089	11.065	11.256	11.152	11.147	11.203	11.115	11.060	
1416028	a at	Hn1	NM	008258	Mm.1775	11	11.217	12.294	10.877	11.113	12.032	11.279	11.544	12.105	12.273	12.177	12.068	12.124	12.045	12.018	11.657	10.731	11.631	11.682	11.272	11.255	11.680	11.653	10.954	10.981	
1416029	at	Klf10	NM	131692	Mm.4292	15	7.935	8.223	7.619	7.497	8.201	8.186	8.028	8.526	8.326	8.504	8.656	8.323	8.527	8.546	9.108	7.648	7.909	7.742	8.499	8.028	8.187	8.805	8.633	8.079	
1416030	a at	Mcm7	NM	008568	Mm.378965	5	7.834	9.411	7.889	8.251	8.553	8.405	8.298	8.537	8.145	8.412	8.587	8.101	8.107	9.251	8.409	7.997	8.362	8.346	8.607	8.445	8.044	8.462	8.064	7.907	
1416031	s at	Mcm7	NM	008568	Mm.378965	5	8.013	8.883	7.976	8.137	8.220	8.216	8.141	8.286	8.143	8.128	8.273	8.036	8.022	8.611	8.162	7.790	8.274	8.009	8.248	8.122	8.037	8.251	7.971	7.994	
1416032	at	Tmem109	AW494906	Mm.251890	19	11.319	11.486	10.779	11.285	11.140	11.015	10.898	11.349	11.095	11.143	11.310	11.103	11.232	10.690	10.936	10.997	11.457	11.308	10.826	10.826	11.380	11.187	10.900	10.721		
1416033	at	Tmem109	AW494906	Mm.251890	19	6.133	5.833	6.012	5.938	5.821	6.075	5.955	5.935	5.711	5.836	5.703	5.547	5.818	5.835	5.687	5.880	5.734	5.801	5.784	5.797	5.902	5.789	5.821	5.898		
1416034	at	Cd24a	NM	009846	Mm.29742	10	7.624	8.993	8.192	7.639	8.763	7.882	7.167	7.403	10.223	9.761	8.821	8.822	8.593	8.869	7.842	8.305	7.250	7.699	7.404	7.525	7.593	7.562	7.575	8.072	
1416035	at	Hif1a	BB269715	Mm.3879	12	8.833	9.769	8.896	8.555	9.028	8.875	8.866	8.611	9.277	9.455	9.243	9.037	9.661	9.835	9.089	8.853	8.259	8.548	8.830	8.622	8.255	8.392	8.494	8.633		
1416036	at	Fkbp1a	AF483488	Mm.278456	12	8.058	11.758	10.911	10.876	11.387	11.079	11.007	11.372	11.741	11.698	11.418	11.472	11.519	11.605	11.299	10.846	11.161	11.011	11.113	11.039	11.092	11.073	10.897	10.848		
1416037	a at	Cct2	NM	007366	Mm.247788	10	11.124	11.657	11.129	11.283	11.232	11.255	11.080	11.289	11.367	11.307	11.410	11.164	11.186	11.659	11.136	11.147	11.266	11.086	11.272	11.172	11.196	11.323	11.068	11.269	
1416038	at	Snd1	NM	019776	Mm.439987	6	9.126	9.965	9.011	9.236	9.398	9.086	9.049	10.159	9.871	9.339	9.422	9.674	9.656	9.159	9.095	9.173	9.210	9.211	9.267	9.078	8.856	9.135	9.176		
1416039	x at	Cyvr1	NM	101516	Mm.12301	3	11.178	10.594	10.592	9.542	10.589	10.616	10.796	11.312	10.867	10.713	12.309	10.682	10.836	10.758	11.050	10.616	9.733	9.291	9.458	9.716	10.360	10.091	9.773	11.556	
1416040	at	Lip2	NM	036334	Mm.39326	10	8.381	9.783	8.711	8.967	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	9.788	
1416041	x at	Scd1	NM	011361	Mm.12301	10	11.698	11.029	11.817	11.304	11.501	11.466	11.455	10.894	10.507	11.710	11.422	10.767	10.963	11.102	10.622	11.832	10.266	11.051	10.682	10.706	10.672	11.411	11.545	11.816	
1416042	s at	Nasp	BB493242	Mm.257181	4	7.473	7.918	7.313	7.414	7.400	7.375	7.457	7.519	7.480	7.580	7.377	7.240	7.351	7.795	7.272	7.379	7.532	7.171	7.487	7.213	7.231	7.521	7.344	7.412		
1416043	at	Nasp	BB493242	Mm.257181	4	4.998	4.870	5.079	5.081	4.936	5.056	5.087	5.044	5.056	4.714	4.816	4.882	4.977	5.203	4.969	4.957	5.252	5.012	4.718	5.023	4.778	4.989	4.996	5.164		
1416044	at	Flii	NM	022009	Mm.339755	11	9.844	10.608	9.824	10.196	10.625	9.902	9.762	10.390	10.699	10.630	10.199	10.780	10.638	10.125	10.125	9.850	10.441	10.115	9.963	9.904	10.248	10.447	9.966	9.919	
1416045	a at	Smcarb1	NM	011418	Mm.279751	10	8.344	8.951	8.373	8.441	8.619	8.502	8.425	8.875	8.896	8.870	8.698	8.832	8.740	8.715	8.469	8.397	8.452	8.633	8.552	8.421	8.689	8.748	8.813	8.269	
1416046	a at	Fuca2	BM054266	Mm.26625	10	12.053	12.118	12.191	12.016	12.487	11.918	12.245	12.238	12.153	12.567	12.123	12.390	12.340	12.068	12.107	12.126	11.598	11.943	12.068	11.967	11.865	11.935	11.748	11.710		
1416047	at	Fuca2	BM054266	Mm.26625	10	5.894	5.753	5.848	5.643	5.253	5.687	5.772	5.549	5.638	5.597	5.496	5.765	5.690	5.708	5.838	5.882	5.781	5.947	5.792	6.092	5.740	5.516	5.681	5.768		
1416048	at	Rpl22	NM	025964	Mm.45219	1	8.301	9.436	8.167	8.145	9.156	8.279	8.958	9.355	9.141	8.958	9.203	9.547	8.816	9.007	9.125	9.114	9.007	9.125	9.114	9.007	9.125	9.114	9.007	9.125	
1416049	at	Gldc	NM	138595	Mm.274852	9	6.568	6.236	6.483	6.340	6.346	6.268	6.365	6.336	6.395	6.229	6.444	6.234	6.340	6.543	6.226	6.482	6.201	6.294	6.399	6.515	6.531	6.368	6.401	6.380	
1416050	a at	Scarb1	NM	016741	Mm.282242	5	9.279	9.962	9.409	9.624	9.970	9.673	9.409	9.712	9.969	9.861	8.997	10.119	10.140	9.853	9.870	9.623	9.919	9.842	9.808	9.768	9.916	9.930	9.756	9.540	
1416051	at	C2	NM	013484	Mm.283217	17	7.277	7.232	7.037	7.284	7.316	7.692	7.375	7.440	7.349	7.159	7.403	7.222	7.343	7.441	7.131	7.096	7.119	7.192	7.410	7.326	7.347	7.285	7.215	7.338	
1416052	at	Prps1	AK011304	Mm.287178	X	10.450	10.440	10.389	10.374	10.288	10.565	10.376	10.336	10.003	10.248	10.357	9.938	9.979	10.357	10.135	10.401	10.448	10.307								

1416103	at	Ywhaz	AV027921	Mm.3360	15	9.807	10.072	9.566	8.967	10.020	9.737	9.849	10.031	10.404	10.332	9.849	9.324	10.162	9.877	10.301	9.723	9.669	10.060	10.092	9.862	9.811	9.926	10.058	10.006	
1416104	at	Mpdu1	NM 011900	Mm.89579	11	8.380	8.419	8.483	8.397	8.528	8.508	8.602	8.377	8.767	8.589	8.388	8.524	8.421	8.834	8.610	8.638	8.110	8.339	8.632	8.608	8.187	8.183	8.232	8.453	
1416105	at	Nnt	BC008518	Mm.195803	13	13.118	12.230	13.307	13.246	12.640	13.177	13.127	12.621	11.403	12.218	12.264	12.421	12.242	12.151	12.901	13.349	13.322	13.245	13.091	13.440	13.365	13.233	13.491	13.408	
1416106	at	Klt12	NM 029571	Mm.440007	4	9.834	10.049	9.930	10.122	9.791	9.987	10.047	9.725	9.552	9.598	10.230	9.673	9.691	9.729	9.656	9.959	9.965	10.094	10.028	10.073	10.198	9.944	10.131	10.102	
1416107	at	Nst	NM 008741	Mm.3304	11	7.435	7.180	7.212	7.231	7.240	7.241	7.238	7.417	7.378	6.982	7.318	7.164	7.179	7.313	7.086	7.156	7.307	7.275	7.186	7.205	7.489	7.441	7.364		
1416108	at	Tmed3	NM 025360	Mm.27606	9	9.754	11.003	9.647	9.753	10.483	9.960	9.504	10.136	11.511	10.555	9.941	10.714	10.760	10.628	10.099	9.674	9.991	9.879	9.709	9.287	9.852	10.014	9.187	9.290	
1416109	at	Fuca1	NM 042423	Mm.439940	4	10.020	10.084	9.913	9.853	10.411	9.809	9.822	10.010	10.600	10.535	10.067	10.119	10.305	9.916	10.381	9.917	9.998	10.140	9.984	9.768	9.979	10.014	9.909	9.684	
1416110	at	Slc35a4	NM 026404	Mm.273350	18	9.990	10.516	10.213	10.141	10.123	10.335	10.278	9.753	9.954	10.175	10.337	10.069	9.959	10.552	10.076	10.228	9.806	10.168	10.354	10.308	9.856	9.674	10.229	10.341	
1416111	at	Cd83	NM 009856	Mm.57175	13	7.014	6.991	6.815	6.769	7.567	7.142	7.438	7.200	7.803	7.629	8.109	8.025	7.818	7.325	7.421	7.037	7.448	7.176	7.149	7.373	7.339	7.302	7.276	7.169	
1416112	at	Cox8a	NM 007750	Mm.14022	19	10.778	10.935	10.558	10.703	10.778	10.550	10.688	10.949	10.977	10.768	10.673	11.031	10.877	10.829	10.696	10.620	11.024	10.906	10.662	10.754	10.884	10.757	10.614	10.504	
1416113	at	Fkbp8	NM 010223	Mm.141864	8	10.607	10.870	10.449	10.642	10.799	10.575	10.445	10.618	10.886	10.840	10.623	11.157	10.954	10.541	10.595	10.575	10.726	10.776	10.539	10.542	10.667	10.515	10.411	10.258	
1416114	at	Sparc1	NM 010097	Mm.29027	5	11.760	11.727	11.820	12.196	12.452	12.074	11.891	12.492	12.055	12.175	12.164	12.325	12.505	12.006	12.299	11.917	12.131	11.883	11.967	11.850	12.138	12.513	11.912	11.857	
1416115	at	Orc3	BF161073	Mm.399624	4	9.808	9.744	9.912	9.643	9.545	9.850	9.733	9.786	9.392	9.712	9.617	9.587	9.452	9.611	9.608	9.917	9.912	9.758	9.936	9.804	9.944	9.916	9.714	9.720	
1416116	at	Orc3	BF161073	Mm.399624	4	6.663	6.358	6.736	6.594	6.251	6.585	6.684	6.645	6.542	6.387	6.302	6.310	6.462	6.415	6.575	6.548	6.621	6.677	6.696	6.586	6.680	6.638	6.668	6.568	
1416117	at	Orc3	BF161073	Mm.399624	4	6.809	6.755	6.783	6.883	6.683	6.699	6.864	6.704	6.637	6.457	6.626	6.719	6.650	6.663	6.705	6.795	6.738	6.805	6.873	6.867	6.807	6.763	6.801	6.820	
1416118	at	Trim59	NM 025863	Mm.475663	3	6.288	9.011	6.171	6.714	7.965	7.052	7.295	8.924	9.330	9.174	8.555	7.934	8.226	9.086	8.476	6.651	6.792	6.769	6.543	6.431	6.859	7.230	6.586	6.287	
1416119	at	Txn1	NM 011660	Mm.260618	4	12.393	13.254	12.231	12.363	12.785	12.426	12.436	12.699	13.330	12.969	12.775	12.815	12.794	13.107	12.587	12.203	12.714	12.628	12.464	12.341	12.704	12.742	12.321	12.146	
1416120	at	Rrm2	NM 009104	Mm.99	12	6.039	7.778	8.825	5.966	6.555	6.169	6.086	6.567	6.809	6.769	7.154	6.048	6.154	7.388	6.841	5.797	5.937	5.574	6.119	5.987	6.141	6.072	6.123	6.149	
1416121	at	Lnx	M65143	Mm.172	18	9.628	11.955	9.410	8.827	11.081	9.952	8.589	10.083	13.004	12.826	10.946	11.990	12.633	12.293	9.668	9.278	7.374	7.545	9.676	7.485	7.747	7.878	7.900	8.463	
1416122	at	Ccmd2	NM 009829	Mm.333406	6	11.268	11.547	11.335	11.711	12.041	11.645	11.643	12.060	11.494	11.401	11.812	12.279	12.045	11.409	11.600	11.285	11.998	11.771	11.107	11.698	12.002	12.084	11.379	11.255	
1416123	at	Ccmd2	NM 009829	Mm.333406	6	7.907	8.075	7.811	8.194	8.542	7.985	7.744	8.423	7.659	7.755	9.948	8.554	8.115	4.097	8.867	7.709	8.235	7.995	7.155	7.828	8.245	8.745	7.980	7.717	
1416124	at	Ccmd2	NM 009829	Mm.333406	6	5.153	5.219	5.102	5.117	5.067	5.397	5.021	5.311	5.167	5.161	5.030	5.245	5.216	4.840	5.213	5.159	5.189	4.837	4.975	5.125	4.659	5.197	5.476	5.273	
1416125	at	Fkbp5	U16959	Mm.276405	17	10.296	10.413	10.019	9.408	10.728	9.681	9.112	11.014	11.054	10.997	10.737	10.891	10.927	10.231	11.448	10.138	10.204	10.032	10.368	10.066	10.853	11.125	11.360	11.116	
1416126	at	Rpo1-2	NM 009086	Mm.259078	2	7.959	8.052	8.053	8.159	7.899	7.963	8.010	7.822	7.852	7.810	8.096	7.685	7.700	8.042	7.829	8.103	7.863	8.012	8.051	8.116	8.101	7.651	8.099	8.387	
1416127	a	at	Dnpep	NM 016878	Mm.24680	1	10.003	10.230	9.912	10.064	10.143	10.092	9.966	10.070	10.263	10.369	10.072	10.407	10.331	9.918	10.218	9.822	10.508	10.490	10.231	10.213	10.401	10.159	9.928	9.945
1416128	at	Tuba1	NM 009448	Mm.88212	15	8.529	8.637	8.088	7.940	8.022	7.699	7.830	8.398	8.892	8.481	8.528	8.349	8.198	8.659	8.127	8.123	7.999	7.965	8.019	7.809	8.300	7.890	8.079	7.808	
1416129	at	Efr1c	NM 008741	Mm.3304	11	7.435	7.180	7.212	7.231	7.240	7.241	7.238	7.417	7.378	6.982	7.318	7.164	7.179	7.313	7.086	7.156	7.307	7.275	7.186	7.205	7.489	7.441	7.364		
1416130	at	Hex	BE630020	Mm.648	2	10.847	11.052	10.770	10.787	11.121	10.847	10.704	10.866	11.111	11.795	11.058	11.606	11.791	11.061	10.922	10.828	10.799	10.768	10.748	10.424	10.443	10.678	10.699		
1416131	s	at	Efr3a	BB188557	Mm.260647	15	10.367	10.306	10.406	10.227	10.381	10.344	10.468	10.570	10.460	10.437	10.007	10.265	10.239	10.114	10.316	10.481	10.490	10.220	10.269	10.193	10.414	10.614	10.625	10.621
1416132	at	Efr3a	BB188557	Mm.260647	15	7.572	7.559	7.809	7.654	7.484	7.898	7.551	7.384	7.364	7.896	7.658	7.399	7.536	7.749	7.652	7.929	6.999	7.452	8.010	8.000	7.453	7.072	7.929	8.119	
1416133	at	Efr3a	BB188557	Mm.260647	15	10.957	10.898	10.960	10.812	11.042	10.945	10.986	10.826	10.716	10.949	10.819	10.784	10.894	10.689	10.877	11.050	10.923	10.941	11.077	11.119	10.933	10.945	10.909	11.160	
1416134	at	Aplp1	NM 007467	Mm.2381	7	7.873	7.564	7.743	7.928	7.783	7.671	7.789	7.877	7.723	7.761	7.851	7.887	7.765	7.811	7.793	7.784	7.865	7.729	7.706	7.813	8.001	7.848	7.938	7.674	
1416135	at	Apep1	NM 009687	Mm.203	14	9.060	9.881	9.220	9.111	9.303	9.608	9.548	9.198	9.297	9.358	9.945	9.399	9.255	9.723	9.270	9.171	9.267	9.490	9.718	9.468	9.230	9.109	9.264	9.215	
1416136	at	Mmp2	NM 008610	Mm.29564	8	10.604	10.378	10.521	10.846	12.344	11.407	10.884	11.213	11.800	11.928	11.126	12.638	12.804	11.312	12.413	10.539	10.708	10.991	11.221	10.784	10.800	11.817	10.796	10.879	
1416137	at	Nr2f2	BC008997	Mm.358143	14	8.754	9.597	9.582	8.854	9.550	9.356	8.536	9.286	9.845	9.401	9.515	9.259	9.458	9.765	9.152	9.265	9.873	9.161	8.961	9.664	8.804	8.876	8.817		
1416138	at	Anxa7	BC008997	Mm.280231	14	10.148	10.782	9.908	9.894	10.415	10.011	9.931	10.512	11.097	10.912	10.707	10.962	10.890	10.905	10.495	9.974	10.077	9.807	9.788	9.538	9.964	10.269	9.786	9.676	
1416139	at	Rea2	NM 009043	Mm.46360	6	7.600	7.531	7.557	7.699	7.555	7.879	7.680	7.574	7.646	7.422	7.736	7.483	7.506	7.583	7.630	7.632	7.750	7.680	7.693	7.764	7.656	7.626	7.646	7.559	
1416140	a	at	Dhx30	NM 133347	Mm.276305	9	9.356	9.618	9.364	9.530	9.388	9.358	9.400	9.424	9.281	9.242	9.454	9.512	9.345	9.588	9.304	9.411	9.703	9.673	9.666	9.519	9.447	9.505	9.399	9.343
1416141	a	at	Rps6	NM 009096	Mm.379007	4	14.393	14.690	14.432	14.416	14.415	14.558	14.474	14.258	14.699	14.614	14.520	14.458	14.561	14.314	14.494	14.453	14.243	14.376	14.488	14.485	14.265	14.143	14.405	14.365
1416142	at	Rps6	NM 009096	Mm.379007	4	7.875	8.999	8.482	8.409	7.862	8.538	8.581	8.528	8.817	8.762	8.238	8.105	8.476	8.505	9.017	7.965									

1416192	at	Napa	BC004804	Mm.104540	7	8.217	8.486	7.906	8.289	8.348	8.108	7.910	8.192	8.563	8.311	8.135	8.481	8.352	8.005	8.102	7.895	8.660	8.526	8.359	8.104	8.536	8.552	7.965	8.232
1416193	at	Car1	BC011223	Mm.273195	3	6.335	5.824	6.408	6.378	6.423	6.379	6.344	6.478	6.286	6.102	6.254	6.141	6.226	6.248	6.518	6.270	6.248	6.154	6.477	6.292	6.441	6.262	6.386	6.319
1416194	at	Cyp4b1	NM 007823	Mm.1848	4	10.312	9.883	10.230	10.213	9.902	10.448	10.151	10.368	9.456	10.117	10.361	10.279	9.969	9.830	10.360	10.204	10.891	10.768	10.808	10.618	10.706	10.863	10.454	10.939
1416195	at	R232-136K12.4	NM 008916	Mm.1458	11	9.593	9.581	9.942	9.840	9.754	9.906	9.721	9.579	9.547	9.573	9.460	9.816	9.697	9.542	9.904	9.918	10.051	10.049	9.883	10.028	9.993	10.133	9.942	9.939
1416196	at	Rps2	NM 011030	Mm.4071	9	4.839	4.201	4.648	4.791	4.588	4.711	4.897	4.946	4.891	4.774	4.724	4.794	4.637	4.913	4.782	4.527	4.912	4.894	4.590	4.774	4.831	4.848	4.884	4.786
1416197	at	Snrnp	NM 011432	Mm.103949	17	10.186	10.546	10.123	10.205	10.319	10.222	10.266	10.472	10.102	10.290	10.369	10.300	10.303	10.438	10.107	10.124	10.454	10.478	10.347	10.248	10.352	10.475	10.197	10.017
1416198	at	Th1l	NM 020580	Mm.271709	2	9.056	9.329	9.186	9.169	9.010	9.256	9.197	9.193	9.007	9.106	9.860	9.192	8.996	9.016	9.071	9.143	8.988	9.191	9.249	9.079	8.993	8.999	8.885	8.923
1416199	at	Klf3	NM 010631	Mm.378951	8	10.516	10.711	10.396	10.311	10.647	10.294	10.562	10.683	10.470	10.708	10.541	10.549	10.544	10.546	10.570	10.432	10.595	10.759	10.616	10.662	10.335	10.446	10.556	10.610
1416200	at	Il13	NM 133775	Mm.182359	19	8.726	8.458	8.319	7.986	8.468	9.006	7.367	7.845	8.317	8.487	8.540	8.212	8.251	8.781	8.133	8.227	6.412	6.318	6.845	6.184	7.043	6.759	6.661	5.865
1416201	at	Chr	BF020879	Mm.280125	11	10.644	11.050	10.495	10.431	10.544	10.527	10.528	10.761	10.797	10.981	10.756	10.752	10.807	10.826	10.715	10.555	10.329	10.240	10.390	10.434	10.464	10.589	10.643	10.686
1416202	at	Phb2	NM 007531	Mm.36241	6	11.825	12.307	11.752	11.870	11.810	11.905	11.923	12.218	11.902	11.768	11.951	11.923	11.594	11.842	11.700	11.766	12.414	12.230	12.041	12.096	12.330	12.196	11.931	11.131
1416203	at	Aqo1	NM 007472	Mm.18625	6	12.033	10.925	11.913	11.856	11.338	11.915	11.318	11.299	10.786	10.944	11.690	11.411	11.402	11.091	11.933	12.019	11.876	11.979	11.637	12.077	12.224	12.358	12.943	12.443
1416204	at	Gp1	BC019301	Mm.252391	15	8.381	8.619	8.277	8.337	8.554	8.241	8.121	8.244	8.590	8.566	8.294	8.343	8.331	8.304	8.329	8.436	8.266	8.612	9.015	8.648	8.939	7.916	8.194	8.326
1416205	at	Glb1	NM 009752	Mm.290516	9	8.721	9.286	8.975	9.308	8.997	9.244	9.147	9.050	9.198	9.147	8.695	9.721	9.782	9.007	8.875	8.975	9.000	8.770	8.796	8.588	8.768	8.708	8.408	8.301
1416206	at	Sipa1	D11374	Mm.3072	19	8.235	8.946	8.133	8.531	8.599	8.295	8.098	8.483	8.798	8.671	8.792	8.791	8.746	8.588	8.403	8.157	8.367	8.520	8.175	8.312	8.425	8.338	8.325	8.169
1416207	at	Taz	NM 133682	Mm.268483	X	10.103	9.873	10.353	10.273	10.017	10.246	10.307	9.842	9.453	9.835	9.723	9.930	9.676	9.896	10.076	10.304	10.414	10.286	10.319	10.349	10.088	10.144	10.220	10.310
1416208	at	Usp14	BC005571	Mm.329277	18	10.108	10.487	10.354	10.161	10.094	10.284	10.183	10.065	9.991	10.382	10.109	9.961	10.026	10.383	10.230	10.458	9.985	9.961	10.129	10.192	10.098	10.236	10.277	10.308
1416209	at	Glud1	NM 088133	Mm.10600	14	11.117	11.347	11.365	11.227	11.080	11.104	11.253	11.053	10.965	11.107	11.205	11.069	11.064	10.994	11.340	11.178	11.106	10.835	10.864	11.112	11.040	10.900	11.011	11.153
1416210	at	Imp3	NM 133976	Mm.12864	9	9.254	9.673	9.150	9.404	9.338	9.369	9.224	9.836	9.490	9.197	9.238	9.479	9.491	9.298	9.119	9.174	10.352	10.083	9.484	9.516	10.039	10.096	9.263	9.008
1416211	a at	Ptn	BC002064	Mm.279690	6	6.429	7.260	6.621	6.717	8.376	7.059	6.858	7.678	8.576	8.133	7.124	8.873	9.025	7.242	8.591	6.663	6.617	6.915	6.769	6.863	6.795	6.502	6.612	6.784
1416212	at	Maoh	NM 010760	Mm.808	4	9.219	9.651	9.076	9.208	9.294	9.127	9.219	9.922	9.469	9.293	9.428	9.492	9.402	9.366	9.183	9.038	9.967	9.822	9.299	9.159	9.757	9.834	9.095	9.015
1416213	x at	Surf4	BF122782	Mm.300594	2	9.498	10.671	9.700	9.719	10.021	9.854	9.692	9.611	10.509	10.367	10.110	9.894	8.808	10.456	9.778	9.691	9.491	9.716	9.895	9.731	9.531	9.290	9.648	9.516
1416214	at	Mcm4	BC013094	Mm.1500	16	8.654	10.074	8.599	8.612	9.414	9.049	8.846	9.120	9.149	9.010	9.174	8.625	8.857	8.976	8.703	8.427	8.703	8.531	8.641	8.625	8.493	8.624	8.440	8.297
1416215	at	Gosr1	NM 016810	Mm.20931	11	8.259	8.327	8.459	8.520	8.417	8.462	8.331	8.003	8.357	8.471	8.344	8.479	8.350	8.395	8.545	8.687	8.232	8.433	8.576	8.548	8.351	8.020	8.350	8.530
1416216	at	Reps1	NM 009048	Mm.4479	10	8.263	8.614	8.244	8.410	8.461	8.288	8.259	8.591	8.623	8.452	8.406	8.447	8.552	8.434	8.289	8.242	8.645	8.703	8.648	8.524	8.409	8.633	8.135	8.262
1416217	a at	Rpl37a	NM 009084	Mm.21529	1	9.945	10.618	9.653	9.716	10.246	9.876	9.764	11.715	11.332	10.690	10.531	10.662	10.825	10.541	10.213	9.532	11.384	11.079	10.084	9.314	11.065	11.349	9.491	9.273
1416218	x at	Adh1	NM 010984	Mm.2029	1	9.481	12.067	9.675	9.745	10.547	9.542	9.767	11.236	11.017	10.587	10.571	10.907	10.937	10.912	10.914	10.910	10.910	10.910	10.910	10.910	10.910	10.910	10.910	10.910
1416219	at	Rpl37b	NM 009078	Mm.10747	15	12.448	13.071	12.571	12.465	12.671	12.512	12.991	13.212	13.311	12.830	12.642	12.987	12.906	12.749	12.437	10.748	13.250	12.794	12.712	12.977	12.442	12.155	11.114	9.273
1416220	at	Spca1	NM 026911	Mm.28852	14	11.322	11.722	11.268	11.278	11.578	11.342	11.371	11.591	12.076	11.785	11.484	11.748	11.747	11.470	11.462	11.336	11.522	11.407	11.393	11.129	11.488	11.257	11.026	11.090
1416221	at	Fst1l	BI452727	Mm.182434	16	11.072	12.796	10.865	11.017	12.836	11.492	10.944	12.447	13.644	13.477	12.338	13.338	13.504	12.740	12.774	10.876	10.346	10.599	11.035	10.106	10.493	10.569	10.104	9.814
1416222	at	Nshd1	BC019945	Mm.38792	X	8.873	9.243	8.903	8.795	8.983	8.970	8.917	9.000	9.318	9.087	8.885	8.993	9.024	9.140	8.784	8.855	8.913	8.854	8.910	8.988	8.765	8.830	8.716	8.766
1416223	at	Sh3bp5l	NM 024480	Mm.290534	11	9.800	10.178	9.844	9.936	10.103	9.887	9.923	10.128	10.139	10.172	10.094	10.617	10.281	10.312	10.343	9.834	9.850	10.018	9.911	9.994	10.026	9.998	10.087	10.067
1416224	at	Zbtb17	NM 009541	Mm.389590	4	8.074	8.235	7.952	8.256	7.919	7.965	8.033	8.351	8.134	7.851	7.913	8.353	7.976	8.056	7.661	8.006	8.461	8.233	8.041	7.785	8.297	8.536	7.942	7.920
1416225	at	Adh1	BC013477	Mm.2409	3	10.173	8.880	10.651	10.245	10.438	10.501	9.832	10.378	8.294	8.781	9.546	10.037	9.322	9.397	10.933	10.573	10.300	10.242	10.563	10.295	11.395	11.464	11.038	10.697
1416226	at	Arc1b1	NM 010984	Mm.2029	1	9.481	12.067	9.675	9.745	10.547	9.542	9.767	11.236	11.017	10.587	10.571	10.907	10.937	10.912	10.914	10.910	10.910	10.910	10.910	10.910	10.910	10.910	10.910	10.910
1416227	at	Arc1b1	BE979985	Mm.30010	5	7.944	7.999	7.814	7.947	7.994	7.773	7.970	8.127	8.023	7.987	8.113	7.805	8.018	7.950	7.924	7.779	7.632	7.888	7.879	7.822	7.901	7.859	7.941	7.765
1416228	at	Pin1	NM 023371	Mm.7906	9	9.830	10.170	10.025	9.960	9.841	10.019	10.085	9.589	9.925	9.897	9.961	9.954	9.741	10.022	9.814	9.990	9.888	10.116	10.137	10.129	9.920	9.981	9.926	9.919
1416229	at	Rfk	NM 019437	Mm.7013	19	9.378	9.609	9.380	9.449	9.434	9.395	9.324	9.139	9.478	9.385	9.406	9.277	9.389	9.457	9.343	9.319	9.397	9.373	9.542	9.448	9.287	9.418	9.364	9.652
1416230	at	Rlk	NM 019437	Mm.7013	19	9.593	9.534	9.675	9.617	9.511	9.721	9.595	9.223	9.375	9.572	9.523	9.565	9.499	9.581	9.660	9.841	9.460	9.580	9.811	9.710	9.629	9.593	9.756	9.909
1416231	at	Vac14	NM 138588	Mm.274894	8	6.903	7.531	7.017	7.233	7.328	7.106	7.020	7.725	7.334	7.497	7.237	7.348	6.958	7.383	7									

1416281	at	Wdr45l	BC004595	Mm.103986	11	11.676	11.719	11.587	11.511	11.618	11.325	11.264	11.614	11.746	11.628	11.533	11.659	11.531	11.550	11.487	11.613	11.587	11.407	11.549	11.578	11.448	11.297
1416282	at	Psmc3	NM 008948	Mm.289832	2	12.040	12.152	12.153	12.205	11.971	12.094	12.072	11.852	11.869	11.998	11.973	12.097	11.943	12.072	12.005	12.130	12.193	12.324	12.274	12.266	12.154	12.067
1416283	at	Gart	NM 010256	Mm.4505	16	9.404	9.759	9.574	9.551	9.392	9.612	9.408	9.416	9.390	9.347	9.485	9.294	9.231	9.647	9.244	9.626	9.715	9.723	9.764	9.787	9.496	9.579
1416284	at	Mrlp28	NM 024227	Mm.273102	17	10.937	10.645	10.735	10.911	10.741	10.651	10.673	11.134	10.409	10.259	10.569	10.891	10.585	10.242	10.510	10.737	11.539	11.295	10.782	10.871	11.376	11.397
1416285	at	Ndufc1	NM 025523	Mm.231007	3	13.496	13.298	13.246	13.486	13.491	13.393	13.383	13.598	13.100	12.918	13.393	13.416	13.279	12.848	13.163	13.408	13.699	13.761	13.387	13.462	13.694	13.377
1416286	at	Rgr4	NM 009062	Mm.41642	1	8.736	8.748	8.130	9.159	9.003	9.070	9.096	9.143	9.160	8.936	9.133	9.222	9.021	8.991	9.320	9.129	9.135	9.189	9.094	8.988	9.893	9.286
1416287	at	Rgs4	NM 009062	Mm.41642	1	7.992	7.734	8.204	8.200	8.157	8.230	8.149	8.186	8.137	8.137	8.132	8.066	8.015	8.085	8.448	8.289	8.206	8.121	8.260	8.403	8.218	8.149
1416288	at	Dnaia1	BF141076	Mm.27897	4	11.218	11.553	11.069	11.513	11.439	11.220	11.201	11.290	11.342	11.329	12.803	11.292	11.276	11.534	11.399	11.119	10.775	10.641	10.713	10.621	11.611	
1416289	at	Plod1	NM 011122	Mm.37371	4	10.392	10.907	10.367	10.594	10.874	10.720	10.427	10.571	10.931	11.085	10.725	11.081	11.068	10.931	10.903	10.341	10.503	10.772	10.764	10.831	10.655	10.597
1416290	a at	Psmc4	NM 011874	Mm.29582	7	10.643	10.945	10.584	10.415	10.619	10.295	10.589	11.286	10.942	10.862	10.533	11.065	10.588	10.423	10.568	10.286	10.822	10.652	10.188	9.913	10.933	
1416291	at	Psmc4	NM 011874	Mm.29582	7	10.333	10.645	10.195	10.103	10.337	10.016	10.207	10.833	10.647	10.526	10.454	10.715	10.510	10.307	10.106	10.159	10.109	10.452	10.116	10.054	10.447	10.622
1416292	at	Prd3	NM 007452	Mm.29821	19	12.459	11.799	12.740	12.586	12.182	12.674	12.571	11.368	11.391	11.892	12.016	11.966	11.664	12.034	12.334	12.774	12.163	12.432	12.695	12.779	12.080	
1416293	at	Nfb	BB832504	Mm.317947	4	8.224	7.857	8.156	8.126	7.986	8.108	8.141	8.275	7.902	7.929	7.958	8.079	8.022	8.006	8.128	8.188	8.151	8.083	8.197	8.49	8.096	
1416294	at	Scamp3	NM 011886	Mm.257052	3	10.400	10.970	10.502	10.751	10.647	10.487	10.380	10.272	10.785	10.643	10.468	10.535	10.532	10.627	10.446	10.370	10.459	10.640	10.510	10.744	10.496	10.305
1416295	a at	Il2rq	L20048	Mm.2923	X	9.212	9.756	9.103	8.892	9.208	8.823	9.591	9.749	9.301	9.427	10.211	9.334	9.302	9.941	9.446	9.030	8.410	8.401	8.551	8.544	8.708	
1416296	at	Il2rq	L20048	Mm.2923	X	9.226	10.055	9.403	9.264	9.570	9.326	9.804	9.468	9.532	9.725	10.436	9.433	9.532	10.246	9.678	9.422	8.947	9.091	9.144	9.123	9.011	
1416297	s at	Req3b	NM 011036	Mm.2553	6	6.992	6.691	6.861	6.686	6.596	6.609	6.628	6.565	6.615	6.465	6.742	6.527	6.672	6.692	6.705	6.725	6.705	6.829	6.809	6.890	6.759	
1416298	at	Mmp9	NM 013599	Mm.4406	2	8.004	7.649	7.839	7.494	7.796	7.795	7.600	7.349	7.217	7.421	7.518	7.274	7.125	7.835	7.296	7.677	7.383	7.245	7.401	7.658	7.475	
1416299	at	Shcbl1	NM 011369	Mm.37801	8	7.254	9.201	7.173	7.400	7.857	7.545	7.679	8.572	8.852	8.835	9.071	7.448	7.944	8.098	8.166	6.982	7.362	6.957	7.251	7.375	7.261	
1416300	a at	Slc25a3	NM 133668	Mm.298	10	14.959	14.813	14.999	14.985	14.799	14.970	14.940	14.726	14.560	14.782	14.771	14.728	14.668	14.762	14.831	14.963	14.809	14.870	14.968	14.938	14.858	
1416301	a at	Ebf1	BB125621	Mm.439662	11	8.709	8.708	8.771	8.724	8.960	8.663	8.638	9.131	8.705	8.996	8.373	9.314	9.103	8.647	8.820	8.551	9.283	9.262	8.868	8.844	8.527	
1416302	at	Ebf1	BB125621	Mm.439662	11	8.096	8.043	7.965	8.137	8.263	8.182	8.043	8.337	8.156	8.256	7.952	8.532	8.580	7.895	7.973	7.805	8.415	8.531	8.088	7.982	7.765	
1416303	at	Litaf	AV360881	Mm.294753	16	10.517	11.452	10.469	10.277	10.593	10.333	10.284	10.128	11.566	11.273	11.613	10.604	10.905	11.461	10.627	10.382	9.433	9.677	10.188	9.661	9.622	
1416304	at	Shaf	AV360881	Mm.294753	16	9.040	10.126	8.916	9.076	9.415	9.824	8.893	8.914	10.474	10.089	10.399	9.478	9.667	10.394	9.474	9.051	8.557	8.722	8.941	8.663	8.449	
1416305	at	Slh3bp4	NM 133816	Mm.170985	1	7.840	7.984	7.659	7.700	7.832	7.545	7.663	8.001	7.839	7.765	8.357	7.793	7.737	7.752	7.744	7.830	7.643	7.576	7.689	7.900	8.246	
1416306	at	Cic3a	NM 017474	Mm.33483	3	4.657	4.043	4.470	4.608	4.264	4.780	4.425	4.378	4.170	4.172	4.449	4.094	4.381	4.297	4.209	4.317	4.377	4.538	4.647	4.661	4.504	
1416307	at	Ucp1	NM 009456	Mm.290086	8	10.653	10.455	10.426	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	10.453	
1416308	at	Nusap1	NM 009466	Mm.290015	7	9.818	10.401	9.705	9.745	9.655	9.585	9.508	9.395	10.389	10.348	11.618	10.841	10.180	10.629	10.122	9.566	9.100	9.377	9.798	9.184	9.296	
1416309	at	Nusap1	BC009096	Mm.290015	2	6.727	8.997	6.778	7.061	7.741	7.032	7.519	8.403	8.743	8.498	8.641	7.475	7.706	8.849	7.866	6.894	6.746	6.722	6.970	6.531	6.779	
1416310	at	Nusap1	BC009096	Mm.290015	2	5.453	5.277	5.348	5.243	5.555	5.179	5.330	5.343	5.249	5.146	5.555	5.154	5.185	5.292	5.351	5.262	5.371	5.300	5.388	5.399	5.427	
1416311	s at	Tuba3a	NM 009446	Mm.287784	6	8.103	9.451	7.666	7.772	7.984	7.970	8.098	8.907	9.098	8.727	8.621	7.759	7.775	8.896	7.589	7.475	8.019	7.839	7.746	7.667	8.051	
1416312	at	Rars	NM 025936	Mm.284906	11	10.314	11.165	10.537	10.346	10.449	10.574	10.629	10.460	10.899	10.875	10.751	10.498	10.465	11.127	10.462	10.567	10.380	10.376	10.706	10.451	10.192	
1416313	at	Mllt11	NM 019914	Mm.473724	3	9.531	10.507	9.593	9.198	10.385	9.390	9.616	10.249	10.327	10.913	10.411	10.190	10.414	10.217	10.349	10.019	9.584	9.058	9.424	9.324	9.152	
1416314	at	Mllt11	NM 019914	Mm.473724	3	6.722	6.423	6.754	6.785	6.749	6.658	6.570	6.757	6.689	6.558	6.754	6.706	6.515	6.682	6.600	6.681	6.605	6.497	6.726	6.622	6.682	
1416315	at	Abp2a1	NM 030746	Mm.39171	13	9.883	9.157	9.919	9.311	10.133	9.265	9.252	10.066	9.767	10.029	9.593	9.296	10.731	10.754	10.820	9.870	9.937	10.374	10.937	10.358	9.870	
1416316	at	Slc27a2	BC013442	Mm.290044	2	6.159	5.994	6.274	6.029	5.989	5.833	5.921	6.140	5.897	5.842	6.046	5.912	5.928	5.980	6.067	6.352	6.308	6.030	6.264	6.144	6.001	
1416317	a at	Tambp	AA289046	Mm.32801	6	7.937	7.675	7.802	7.786	7.710	7.657	7.872	7.568	7.787	7.703	7.792	7.750	7.809	7.967	7.643	7.802	7.854	7.682	7.834	7.977	7.953	
1416318	at	Serpinb1a	AF426024	Mm.20144	13	8.163	11.776	7.866	7.458	11.043	8.571	7.474	8.044	12.969	13.318	10.399	12.235	12.708	10.614	11.200	7.821	6.964	6.439	7.695	6.455	6.818	
1416319	at	Adk	NM 134079	Mm.188734	14	11.423	11.016	11.779	11.546	11.156	11.671	11.613	11.127	10.403	10.769	10.909	10.992	10.716	10.937	11.178	11.725	11.601	11.519	11.610	11.663	11.502	
1416320	at	Sec22a	NM 133704	Mm.259164	16	8.390	8.595	8.566	8.360	8.414	8.621	8.583	8.431	8.362	8.438	7.894	8.496	8.542	8.559	8.429	8.550	8.591	8.585	8.776	8.487	8.210	
1416321	s at	Prep	NM 054077	Mm.214514	1	9.865	9.514	9.821	10.182	10.388	10.549	9.673	9.850	9.895	10.671	10.140	10.864	10.928	9.822	10.556	9.868	10.117	10.551	10.273	9.819	10.292	
1416322	at	Kctd10	AV281062	Mm.435	17	7.472	7.305	7.567	7.484	7.499	7.387	7.537	7.589	7.407	7.582	7.548	7.750	7.582	7.548	7.750	7.582	7.548	7.750	7.582	7.548	7.750	
1416323	at	Kctd20	AV281062	Mm.435	17	7.347	7.596	7.645	7.580	7.771	7.599	7.503	7.554	7.717	7.802	7.622	8.025	7.966	7.669	7.912	7.592	7.679	7.721	7.492	7.360	7.793	
1416324	at	Crisp1	NM 009638	Mm.16781	17	4.774	4.490	4.782	4.400	4.313	4.926	4.722	4.432	3.953	4.128	4.452	4.										

1416370	at	Zscan21	NM 011757	Mm.2760	5	7.952	7.868	7.903	7.872	7.963	7.870	7.955	8.049	8.096	8.009	7.653	8.105	8.049	7.876	7.959	8.006	8.426	8.158	8.132	8.106	8.187	8.264	8.026	7.994
1416371	at	Asod	NM 007470	Mm.2082	16	8.702	8.035	8.946	8.611	8.358	8.564	8.357	8.615	7.981	8.248	8.371	8.444	8.396	8.292	8.181	9.006	8.056	8.005	8.181	7.950	8.337	8.140	8.073	7.981
1416372	at	Ptdss1	NM 008959	Mm.281464	13	10.987	10.948	10.873	11.008	10.673	11.174	11.385	11.005	11.000	11.264	10.856	11.141	11.804	11.240	11.187	10.801	10.780	10.778	10.956	11.127	10.880	10.633	11.126	11.088
1416373	at	Nfs1	NM 010911	Mm.283604	12	11.865	11.345	11.907	11.934	11.542	11.838	11.845	11.515	11.184	11.236	11.854	11.594	11.320	11.223	11.464	11.961	12.110	11.976	11.956	11.919	12.000	12.131	11.889	11.856
1416374	at	Ap3m1	AF242857	Mm.386781	14	8.829	8.934	9.261	8.831	8.581	9.122	8.964	8.451	8.565	8.815	8.598	8.610	8.398	8.980	8.617	8.216	8.235	8.642	8.783	8.412	8.291	8.648	8.852	
1416375	at	Ap3m1	AF242857	Mm.386781	14	8.717	8.696	8.882	8.704	8.700	8.722	8.740	8.545	8.868	8.652	8.806	8.544	8.619	8.669	8.716	8.739	8.653	8.732	8.728	8.705	8.787	8.887	8.754	8.759
1416376	at	Tmem97	NM 133706	Mm.29431	11	6.947	8.041	6.544	6.855	7.326	7.045	6.979	7.071	7.536	7.448	7.127	7.293	7.134	7.816	6.914	6.837	7.190	6.987	7.101	7.011	6.795	6.922	6.827	6.498
1416377	at	Pdcd7	NM 016688	Mm.29193	9	9.100	9.022	8.750	8.850	8.973	8.732	8.864	9.329	8.909	8.945	9.931	9.253	9.166	8.811	9.248	8.963	9.305	9.005	8.824	8.765	9.281	9.244	8.791	8.956
1416378	at	Pnkp	NM 021549	Mm.238254	7	8.657	9.104	8.710	8.792	8.802	8.728	8.654	8.706	8.764	8.896	8.643	8.914	8.968	8.776	8.741	8.694	8.885	8.932	8.970	8.808	8.745	8.735	8.883	8.680
1416379	at	Panx1	NM 019482	Mm.142253	9	8.024	8.856	8.045	8.079	8.714	8.026	7.959	8.594	9.248	8.967	8.834	8.782	9.120	9.029	9.006	8.069	7.567	7.964	7.769	7.824	7.634	7.801	7.910	7.536
1416380	at	Mov10	NM 008619	Mm.1597	3	7.131	6.768	7.246	7.126	7.270	7.059	7.209	7.372	7.250	7.055	7.755	7.260	7.269	6.946	7.153	7.200	7.193	7.068	7.125	7.181	7.404	7.185	6.959	7.145
1416381	a	Prdx5	BC008174	Mm.278782	19	12.568	12.421	12.713	12.713	12.347	12.731	12.691	12.394	12.066	12.185	12.282	12.480	12.208	12.277	12.583	12.681	12.749	12.860	12.728	12.839	12.688	12.614	12.783	12.764
1416382	at	Ctsc	NM 009982	Mm.322945	7	11.534	12.818	11.524	11.861	11.517	12.024	12.147	11.303	12.770	12.590	11.854	11.573	11.786	12.890	11.703	11.513	11.081	10.652	11.360	10.937	11.112	11.175	10.945	11.229
1416383	a	Pcx	NM 008797	Mm.1845	19	8.350	8.025	8.289	8.390	8.348	7.977	7.968	7.866	8.210	8.206	7.789	8.298	8.155	7.875	8.032	8.422	8.275	8.089	8.103	8.030	8.249	8.213	8.087	8.239
1416384	a	Cope	NM 021538	Mm.28668	8	10.430	11.135	10.571	10.573	10.753	10.497	10.452	10.902	10.177	11.037	10.807	10.938	10.758	10.763	10.540	10.541	11.008	10.963	10.585	10.529	10.780	10.802	10.214	10.206
1416385	a	M6pr	NM 010749	Mm.249225	6	11.123	11.548	11.284	11.261	11.236	11.420	11.254	11.106	11.199	11.291	11.261	11.077	11.221	11.622	11.202	11.270	10.899	11.057	11.194	11.181	10.968	10.916	11.211	11.117
1416386	a	at	NM 010749	Mm.249225	6	10.163	9.808	9.410	9.442	9.358	9.541	9.354	8.530	9.410	9.648	9.495	9.215	9.231	9.907	9.437	9.559	8.879	9.291	9.611	9.576	8.945	8.562	9.498	9.525
1416387	at	Pip4k2c	NM 054097	Mm.22682	10	14.566	10.487	10.436	10.643	10.559	10.577	10.281	10.170	10.410	10.419	10.242	10.699	10.235	10.456	10.532	10.490	10.510	10.594	10.606	10.481	10.445	10.564	10.567	10.465
1416388	at	Pip4k2c	NM 054097	Mm.22682	10	6.987	6.946	7.058	7.193	6.984	7.152	6.767	6.804	6.623	6.895	6.865	6.628	6.878	7.041	6.974	7.218	6.792	6.838	7.118	7.178	6.834	6.797	7.287	7.093
1416389	a	Rcbt2	NM 134083	Mm.280068	14	9.092	9.679	9.323	9.349	9.485	9.531	9.229	9.189	9.876	9.607	9.399	9.457	9.477	9.346	9.315	9.348	9.452	9.425	9.211	9.334	9.233	9.226	9.043	9.246
1416390	at	Rcbt2	NM 134083	Mm.280068	14	7.038	7.489	7.521	7.236	7.300	7.528	7.378	7.084	7.554	7.795	6.901	7.353	7.342	7.225	7.359	7.382	7.454	7.288	7.163	7.380	7.101	7.086	7.751	6.958
1416391	at	Ptcd1	NM 133735	Mm.277413	5	7.769	7.787	7.722	7.723	7.832	7.984	7.668	7.901	7.580	7.777	7.304	8.044	7.749	7.623	7.999	7.877	8.208	7.998	8.022	7.889	7.974	8.103	7.524	7.844
1416392	a	Atp6v0c	NM 009729	Mm.30155	17	12.720	13.035	12.669	12.675	12.665	12.679	12.659	12.549	12.811	12.862	12.769	12.670	12.659	12.900	12.628	12.701	12.491	12.735	12.676	12.619	12.576	12.351	12.564	12.530
1416393	at	Emn1	NM 013536	Mm.6390	6	10.988	11.194	10.962	11.019	10.851	10.997	11.187	10.997	10.999	10.856	11.133	10.929	10.714	11.159	10.731	10.926	11.194	11.501	11.327	11.285	11.189	11.055	11.103	11.077
1416394	at	Baol	NM 009736	Mm.688	4	11.658	11.537	11.696	11.803	11.541	11.607	11.541	11.513	11.227	11.354	11.171	11.597	11.445	11.272	11.565	11.739	11.745	11.835	11.821	11.805	11.692	11.173	11.760	11.779
1416395	at	Guk1	BC024625	Mm.3624	11	10.738	10.916	10.475	10.786	10.801	10.339	10.611	11.179	10.854	10.586	10.649	10.899	10.716	10.416	10.450	10.441	11.164	11.178	10.711	10.674	10.985	11.101	10.944	10.200
1416396	at	Mmsd1	NM 008557	Mm.3633	16	6.849	6.695	6.661	6.876	6.670	6.636	6.670	6.745	6.573	6.648	6.586	6.622	6.586	6.590	6.653	6.748	6.608	6.688	6.742	6.503	6.648	6.503	6.648	6.724
1416397	at	Mmsd1	BB474887	Mm.272998	7	7.555	7.485	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509	7.487	7.509
1416398	at	Mmsd1	BB474887	Mm.272998	7	7.348	7.610	7.266	7.076	7.128	7.187	7.225	7.328	7.308	7.493	7.473	7.181	7.200	7.091	7.490	7.228	7.137	6.836	6.710	6.933	6.890	7.062	7.477	6.787
1416399	a	Hmx02	NM 010443	Mm.272866	16	10.941	11.326	10.861	10.835	10.984	10.848	10.881	11.534	11.373	11.163	11.047	11.287	11.132	11.067	11.091	10.859	11.306	11.314	11.075	10.986	11.192	11.214	10.883	10.830
1416400	at	Pycrl	NM 025412	Mm.250591	15	7.837	8.183	7.442	7.529	7.597	7.509	7.525	7.845	7.961	7.705	7.770	7.739	7.554	7.830	7.468	7.413	8.037	8.053	7.868	7.553	7.834	7.825	7.424	7.467
1416401	at	Cd82	NM 007656	Mm.4261	2	9.051	9.041	9.072	9.160	8.924	9.129	9.043	8.467	9.157	9.250	8.818	8.996	9.033	9.486	9.076	9.215	8.504	8.844	9.043	8.977	8.595	8.458	9.048	8.937
1416402	at	Abcb10	AV382118	Mm.274423	8	8.835	8.536	9.017	9.113	9.121	9.027	9.069	8.898	8.379	8.771	8.824	8.745	8.902	8.565	8.893	9.175	9.211	8.812	8.998	9.065	9.014	8.885	9.028	9.134
1416403	at	Abcb10	AV382118	Mm.274423	8	7.490	7.267	7.491	7.495	7.612	7.754	7.458	7.670	7.042	7.133	7.240	7.055	7.426	7.239	7.269	7.788	7.397	7.406	7.403	7.344	7.629	7.333	7.490	7.541
1416404	at	Abcb10	AV382118	Mm.274423	7	11.341	13.467	11.563	11.224	13.356	13.522	11.224	13.356	13.522	11.224	13.356	13.522	11.224	13.356	13.522	11.224	13.356	13.522	11.224	13.356	13.522	11.224	13.356	13.522
1416405	at	Ban	BC019502	Mm.2608	X	12.633	13.521	12.766	12.828	13.811	13.134	12.564	13.061	14.097	14.181	13.545	14.012	14.150	13.903	13.934	12.745	11.591	12.427	12.892	12.237	12.000	11.506	12.192	12.216
1416406	at	Pea15a	AI323543	Mm.544	1	10.130	10.861	9.999	10.168	10.598	10.249	10.148	10.556	11.033	10.942	10.757	10.758	10.903	10.853	10.596	9.871	10.113	10.250	10.127	10.211	10.332	10.207	10.138	10.516
1416407	at	Pea15a	AI323543	Mm.544	1	9.588	10.946	9.580	9.850	10.300	9.887	9.706	9.969	11.156	10.965	10.523	10.797	10.773	10.893	10.360	9.596	9.458	9.742	9.762	9.687	9.596	9.450	9.805	9.565
1416408	at	Aco1	AB034914	Mm.356689	11	11.734	10.856	11.979	11.741	11.294	11.710	11.566	10.912	10.481	10.999	10.983	11.169	11.058	11.033	11.318	11.981	11.369	11.419	11.710	11.512	11.243	11.411	11.637	11.622
1416409	at	Aco1	AB034914	Mm.356689	11	11.179	10.789	11.634	11.285	10.748	11.224	11.109	10.317	10.415	10.899	10.757	10.954	10											

1416459	at	Arrf2	NM 007477	Mm.5061	11	7.414	7.471	7.353	7.355	7.410	7.401	7.414	7.385	7.443	7.601	7.603	7.420	7.445	7.612	7.506	7.683	7.401	7.538	7.559	7.629	7.568	7.318	7.472	7.343
1416460	at	Miox	NM 019977	Mm.158200	15	6.712	6.389	6.673	6.616	6.522	6.523	6.554	6.640	6.484	6.558	6.768	6.481	6.543	6.708	6.466	6.634	6.611	6.526	6.686	6.688	6.528	6.731	6.870	6.867
1416461	at	Caprin1	BE981338	Mm.427589	2	10.919	11.533	11.162	11.067	11.058	11.280	11.159	10.374	11.248	11.444	11.123	11.116	11.126	11.804	11.191	11.176	10.158	10.544	10.903	10.793	10.408	10.512	11.045	11.025
1416462	at	Caprin1	BE981338	Mm.427589	2	11.576	11.901	11.621	11.694	11.644	11.727	11.736	11.341	11.807	11.881	11.674	11.571	11.568	12.008	11.691	11.644	11.458	11.328	11.615	11.660	11.543	11.494	11.696	11.742
1416463	at	Caprin1	BE981338	Mm.427589	2	6.506	6.398	6.740	6.519	6.742	6.918	6.531	6.541	6.580	6.805	6.577	6.494	6.790	6.752	6.854	6.721	6.894	6.732	6.841	6.738	6.355	6.572	6.764	6.756
1416464	at	Slc4a1	NM 111403	Mm.7241	11	6.747	6.717	6.669	6.529	6.286	6.313	6.411	6.148	6.908	6.823	6.444	6.472	6.158	6.070	5.940	6.954	6.428	6.120	6.189	6.443	6.269	6.208	6.316	6.278
1416465	a	Vapa	BB037317	Mm.266767	17	11.840	11.875	11.226	11.905	11.826	11.818	11.958	11.414	11.807	12.091	11.835	11.866	11.858	12.062	11.930	11.999	11.170	11.637	11.814	11.595	11.541	11.445	12.066	12.284
1416466	at	Vapa	BB037317	Mm.266767	17	11.144	11.322	11.223	11.142	11.143	11.057	11.150	10.708	11.155	11.462	11.196	11.179	11.189	11.358	11.228	11.298	10.462	10.908	11.080	10.869	10.778	10.646	11.153	11.333
1416467	at	Ddx3a	L25126	Mm.289662	X	10.667	10.855	10.605	10.546	10.560	10.493	10.630	10.747	10.536	10.525	10.994	10.646	10.458	10.664	10.728	10.688	10.693	10.664	10.803	10.676	10.489	10.542	10.564	10.770
1416468	at	Aldh1a1	NM 013467	Mm.435667	19	9.386	9.389	9.528	9.879	10.535	10.386	10.074	10.579	10.270	10.509	9.769	10.650	10.428	9.942	10.533	9.518	9.632	9.928	9.858	9.555	9.846	9.965	9.624	9.534
1416469	at	Luzp1	BB705823	Mm.92659	4	9.966	10.426	10.066	10.118	10.281	10.071	10.069	10.113	10.551	10.639	10.459	10.476	10.435	10.451	10.330	10.092	9.937	9.963	9.971	9.918	9.784	10.056	10.160	10.244
1416470	at	Rnn1	NM 133933	Mm.188544	6	10.424	11.352	10.357	10.565	10.684	10.540	10.535	10.661	11.256	10.851	10.800	10.790	10.919	11.124	10.458	10.374	10.776	10.768	10.605	10.530	10.462	10.643	10.736	10.205
1416471	at	Ccp1	NM 133669	Mm.475983	3	10.701	10.927	10.838	10.584	10.641	10.746	10.595	10.556	10.820	10.840	10.660	10.734	10.754	10.902	10.619	10.894	10.432	10.520	10.668	10.617	10.616	10.692	10.761	10.734
1416472	at	Sypa1	NM 025932	Mm.44207	X	10.565	10.578	10.679	10.458	10.112	10.803	10.715	10.429	10.474	10.761	10.469	10.535	10.614	10.695	10.694	10.631	10.306	10.319	10.511	10.640	10.445	10.415	10.370	10.704
1416473	a	at	NM 020043	Mm.209041	9	8.397	8.329	8.601	8.663	9.185	8.886	8.804	8.666	8.756	8.720	8.344	9.273	9.273	8.715	9.066	8.606	9.067	8.806	8.954	8.757	8.995	9.165	8.907	8.901
1416474	at	Nope	NM 020043	Mm.209041	9	6.836	6.721	7.011	7.150	7.550	7.406	7.110	6.981	7.055	7.117	6.714	7.504	7.576	6.994	7.492	6.987	7.432	7.179	7.260	7.076	7.367	7.407	7.329	7.468
1416475	at	Ube2d2	NM 019912	Mm.180052	18	7.263	7.357	7.300	7.334	7.253	7.110	7.467	7.623	7.560	7.154	7.330	7.207	7.113	7.348	7.260	7.193	7.574	7.439	7.304	7.141	7.777	7.566	7.325	7.427
1416476	a	Ube2d2	NM 019912	Mm.180052	18	11.857	11.975	12.002	11.875	11.833	11.867	11.877	12.008	11.884	11.873	11.753	11.943	11.843	11.934	11.968	11.815	11.827	11.776	11.752	11.627	11.807	12.039	11.866	11.946
1416477	at	Ube2d2	NM 019912	Mm.180052	18	10.417	10.701	10.529	10.428	10.508	10.509	10.448	10.394	10.495	10.596	10.424	10.567	10.535	10.598	10.514	10.476	10.425	10.329	10.388	10.369	10.353	10.462	10.341	10.458
1416478	a	at	NM 008617	Mm.297096	5	14.325	14.029	14.232	14.291	14.199	14.186	14.175	14.403	13.911	13.988	14.193	14.289	14.152	13.924	14.203	14.247	14.548	14.413	14.291	14.301	14.431	14.458	14.288	14.232
1416479	a	Tmem14c	NM 025387	Mm.30005	13	11.858	12.143	12.056	12.061	11.848	12.044	11.936	11.649	11.668	11.731	11.726	11.492	11.529	11.813	11.690	11.752	12.170	11.755	12.033	12.092	11.777	11.551	11.846	12.050
1416480	a	Hid1a	NM 019814	Mm.347915	9	12.919	13.126	12.903	12.862	12.802	12.806	12.973	13.043	12.829	12.760	12.792	12.870	12.654	12.632	12.684	12.818	13.231	13.312	12.892	12.967	13.220	13.263	12.907	12.890
1416481	s	Hid1a	NM 019814	Mm.347915	9	9.840	9.673	10.158	9.817	10.240	10.194	9.925	9.845	9.300	9.796	9.734	9.882	9.559	9.242	10.128	10.139	10.208	10.156	10.355	10.330	9.897	9.925	10.096	10.282
1416482	at	TtC3	BB833716	Mm.213408	16	7.620	7.453	7.719	7.678	7.419	7.756	7.726	7.956	7.490	7.558	7.488	7.943	7.402	7.442	7.485	7.699	7.968	7.948	7.667	7.766	7.791	8.079	7.679	7.762
1416483	at	TtC3	BB833716	Mm.213408	16	10.236	9.966	10.612	10.405	9.927	10.572	10.345	10.588	10.011	10.169	9.945	9.947	10.407	9.932	10.031	10.726	10.443	10.487	10.384	10.577	10.335	10.702	10.497	10.537
1416484	at	TtC3	BB833716	Mm.213408	16	9.201	8.747	9.037	9.198	8.858	8.931	9.014	9.048	8.543	8.892	8.603	8.688	8.656	8.657	8.803	9.305	9.209	8.908	8.954	9.053	8.964	9.247	9.027	9.019
1416485	at	Tmem23	NM 018997	Mm.302703	14	10.580	10.704	10.713	10.683	10.742	10.822	10.827	10.903	10.722	10.903	10.827	10.722	10.903	10.827	10.722	10.903	10.827	10.722	10.903	10.827	10.722	10.903	10.827	10.722
1416486	at	Sce1	NM 007926	Mm.213408	3	10.351	10.738	10.567	10.538	10.458	10.487	10.389	10.428	10.477	10.441	10.618	10.473	10.243	10.507	10.284	10.423	10.524	10.315	10.488	10.411	10.488	10.243	10.243	10.415
1416487	a	at	NM 009534	Mm.221992	9	8.851	8.772	8.340	7.773	7.946	8.068	7.883	8.231	8.342	8.287	9.119	8.815	8.064	8.954	7.902	8.470	7.662	7.640	7.594	7.496	7.754	7.444	7.868	7.802
1416488	at	Ccnq2	U95826	Mm.3527	5	9.265	9.190	9.538	9.543	9.422	9.658	9.398	9.480	9.407	9.594	8.550	9.712	9.653	9.453	10.002	9.350	9.708	9.629	9.884	9.764	9.604	9.871	10.020	9.703
1416489	at	Pi4k2b	NM 025951	Mm.248647	5	7.958	9.100	7.703	7.767	7.852	7.836	7.712	7.983	8.855	8.335	8.056	8.133	8.282	8.724	8.087	7.831	7.697	7.792	7.608	7.737	7.405	7.679	7.475	7.589
1416490	at	Tmed6	NM 025458	Mm.23032	8	4.867	4.627	4.487	4.536	4.490	4.572	4.577	4.571	4.461	4.504	4.748	4.346	4.548	4.552	4.680	4.670	4.615	4.552	4.473	4.672	4.436	4.766	4.404	4.543
1416491	at	Ncml	NM 010950	Mm.458153	7	8.216	8.095	7.917	7.984	7.949	7.938	7.858	7.994	8.181	8.176	7.977	8.092	8.186	8.144	7.884	8.103	7.918	7.873	7.759	8.001	7.832	7.821	7.952	7.993
1416492	at	Ccn1	NM 007633	Mm.16110	7	7.388	7.998	7.331	6.943	7.366	7.202	7.300	7.524	7.801	7.349	7.335	7.196	7.144	7.585	7.200	7.057	7.204	7.207	7.175	7.164	7.253	7.126	7.168	7.191
1416493	at	Fcsm1	NM 007987	Mm.299707	5	16.931	10.925	9.827	16.291	10.796	9.831	10.827	10.921	9.991	10.934	10.716	10.812	10.904	10.722	10.822	10.922	10.461	10.522	10.651	10.765	10.852	10.765	10.852	10.765
1416494	at	BC002163	NM 134104	Mm.375824	16	11.039	10.791	10.874	10.987	10.810	10.875	10.995	11.354	10.354	10.492	10.871	10.934	10.823	10.685	10.627	10.982	11.537	11.383	10.987	11.051	11.379	11.321	10.900	10.871
1416495	s	at	NM 134104	Mm.375824	16	12.042	11.667	11.869	11.812	11.792	11.606	11.747	12.205	11.371	11.410	11.669	11.611	11.544	10.968	11.656	11.669	12.370	12.348	11.982	11.873	12.449	12.382	11.846	11.852
1416496	at	Mrfap1	BC010209	Mm.332336	5	12.945	13.185	13.042	13.000	13.009	13.184	13.069	12.672	12.971	13.079	12.961	12.897	12.858	13.199	13.046	13.043	12.687	12.941	13.207	13.142	12.776	12.728	13.179	13.164
1416497	at	Pdia4	J05186	Mm.2442	6	8.299	8.614	8.281	8.402	8.152	8.362	8.271	8.061	8.464	8.398	8.374	8.053	8.108	8.418	8.265	8.367	8.024	8.238	8.325	8.349	8.131	8.103	8.173	8.347
1416498	at	Ppic	NM 008908	Mm.4587	18																								

1416548	at	Slc35b4	BB320416	Mm.245527	6	7.660	8.580	7.809	7.863	8.027	7.973	7.918	7.806	8.596	8.330	8.018	7.751	8.167	8.625	7.897	7.746	7.364	7.676	7.847	7.603	7.616	7.430	7.871	7.620	
1416549	at	Slc35b4	BB320416	Mm.245527	6	7.052	8.072	7.071	7.365	7.356	7.465	7.410	7.269	7.935	8.084	7.607	7.480	7.706	7.866	7.466	7.254	7.136	7.139	7.469	7.150	7.123	7.025	7.335	7.132	
1416550	at	Slc35b4	BB320416	Mm.245527	6	7.608	7.728	7.494	7.769	7.612	7.601	7.616	7.550	7.903	7.816	7.846	7.628	7.747	7.976	7.674	7.641	7.640	7.484	7.454	7.614	7.643	7.425	7.623	7.604	7.531
1416551	at	Atp2a2	NM 009722	Mm.227583	5	15.250	15.103	15.264	15.263	15.166	15.246	15.200	15.055	14.948	15.094	15.076	15.060	15.049	15.139	15.174	15.228	15.138	15.139	15.242	15.209	15.194	15.163	15.241	15.278	
1416552	at	Dopa5a	NM 025274	Mm.139314	9	7.555	7.391	7.290	7.510	7.461	7.402	7.369	7.390	7.351	7.235	7.363	7.215	7.438	7.452	7.180	7.546	7.532	7.364	7.612	7.352	7.484	7.470	7.397	7.469	
1416553	at	Strn13	NM 016685	Mm.259136	11	8.509	9.115	8.347	8.376	8.942	8.843	8.583	8.094	8.925	8.970	8.742	9.259	9.022	8.808	8.636	8.381	8.395	9.004	8.896	8.526	9.015	9.084	8.413	8.153	
1416554	at	Pdlm1	NM 016861	Mm.5567	19	11.746	12.142	11.600	11.247	11.737	11.473	11.658	12.366	12.186	11.965	12.560	11.743	11.917	11.910	11.729	11.695	11.667	11.726	11.390	11.413	11.761	11.697	11.324	11.293	
1416555	at	Ei2a	NM 007915	Mm.4337	9	11.030	11.074	11.337	11.387	11.112	11.468	11.289	10.800	10.767	11.039	10.911	11.083	11.067	11.234	11.179	11.422	10.966	11.173	11.314	11.242	10.929	10.862	11.125	11.102	
1416556	at	Tspan31	NM 025982	Mm.35650	10	10.945	11.352	11.157	11.158	11.216	11.371	11.188	10.307	11.369	11.469	11.096	11.122	11.159	11.534	11.259	11.233	10.628	11.155	11.297	11.203	10.600	10.546	11.114	11.167	
1416557	a at	Eftud2	U97079	Mm.873	11	8.731	9.178	8.529	8.857	8.946	8.819	8.544	8.506	8.796	8.727	8.738	8.762	8.856	9.026	8.691	8.532	8.552	8.790	8.801	8.685	8.600	8.437	8.728	8.535	
1416558	at	Melk	NM 010790	Mm.268668	4	5.234	3.945	5.508	5.856	6.674	5.735	6.124	6.885	7.371	7.078	7.045	5.989	5.973	7.522	6.542	5.464	5.594	5.350	5.379	5.160	5.228	5.571	5.549	5.056	
1416559	at	150000302Rik	NM 028997	Mm.231400	7	8.595	9.246	8.954	8.633	8.507	8.930	8.761	8.533	8.952	9.032	9.128	8.805	8.842	9.202	8.937	8.832	8.599	8.791	8.882	8.715	8.559	8.538	8.874	8.817	
1416560	at	Slc13a3	NM 054055	Mm.250738	2	6.646	6.668	6.845	6.403	6.636	6.549	6.552	6.741	6.687	6.757	6.663	6.621	6.579	6.665	6.669	6.672	6.591	6.623	6.636	6.534	6.606	6.611	6.650	6.760	
1416561	at	Gad1	AF326547	Mm.272120	2	4.104	3.924	4.186	3.898	3.804	4.175	4.233	3.982	3.991	3.880	3.930	3.797	3.807	3.989	3.980	4.115	4.093	4.355	4.063	4.470	4.071	3.785	3.921	4.000	
1416562	at	Gad1	AF326547	Mm.272120	2	7.090	6.866	7.053	6.742	6.924	6.929	6.868	7.047	6.997	7.053	6.967	6.892	7.021	7.052	7.120	6.895	6.937	6.751	6.946	7.098	7.081	7.069	6.730	6.873	
1416563	at	Ctsp	NM 016748	Mm.1815	4	11.300	12.210	11.266	11.238	11.319	11.469	11.516	11.369	11.735	11.642	11.963	11.441	11.367	12.182	11.316	11.305	10.964	11.172	11.389	11.280	11.097	11.000	11.700	11.295	
1416564	at	Sox7	NM 011446	Mm.42162	14	9.412	9.348	9.644	9.677	9.215	9.767	9.653	9.982	9.088	9.457	10.468	9.725	9.541	8.996	10.286	9.715	9.729	9.571	9.383	9.734	10.368	10.301	10.534	9.712	
1416565	at	Cox6b1	NM 025628	Mm.400	7	13.218	13.062	13.174	13.144	13.177	13.111	13.178	13.268	13.006	13.103	13.145	13.354	13.182	12.948	13.141	13.136	13.396	13.416	13.170	13.278	13.353	13.346	13.215	13.011	
1416566	at	Strap	NM 011499	Mm.22584	6	11.117	11.452	11.303	11.095	11.094	11.311	11.259	11.146	11.000	11.172	11.248	11.126	11.057	11.497	11.110	11.353	10.944	11.008	11.252	11.223	11.042	11.041	11.278	11.368	
1416567	s at	Atp5e	NM 025983	Mm.20841	2	12.262	12.050	12.072	12.167	12.242	12.012	12.036	12.411	11.663	11.463	11.859	11.897	11.842	11.294	11.657	11.947	13.028	12.614	12.022	12.288	12.719	12.972	12.121	11.999	
1416568	a Actin1	AW228855	Mm.197509	14	9.782	10.149	9.695	10.039	9.694	9.728	9.458	8.896	9.508	9.594	9.641	9.197	9.588	9.643	9.669	9.738	9.098	9.546	9.371	9.455	9.684	7.965	9.783	9.813		
1416569	at	Actf16a	NM 019673	Mm.41077	3	8.686	9.087	8.438	8.511	8.675	8.618	8.805	8.757	8.502	8.529	8.913	8.617	8.524	8.750	8.471	8.716	8.985	8.824	8.752	8.712	8.733	8.904	8.755	8.663	
1416570	s at	Gfm1	AK018125	Mm.122466	3	11.750	11.630	11.918	11.831	11.540	11.902	11.784	11.523	11.149	11.419	11.451	11.504	11.145	11.430	11.621	11.843	11.817	11.801	11.893	11.990	11.731	11.888	11.732	12.109	
1416571	at	Traf4	NM 009423	Mm.390418	11	5.826	5.557	5.706	5.792	5.636	5.762	5.884	5.691	5.758	5.665	5.780	5.734	5.541	5.810	5.708	5.827	5.642	5.713	5.758	5.738	5.779	5.612	5.858	5.792	
1416572	at	Mmp14	NM 008608	Mm.280175	14	7.040	7.842	7.279	7.229	7.641	7.242	6.824	7.211	8.370	8.558	7.658	7.557	8.206	8.244	7.901	7.308	6.762	7.128	7.308	6.993	6.936	6.547	6.772	6.835	
1416573	at	Potut2	BC018194	Mm.203556	10	7.561	8.275	7.893	7.614	7.792	7.609	7.593	6.935	8.025	8.228	7.825	7.815	7.930	7.887	7.706	7.942	7.753	7.488	7.653	7.484	7.115	6.328	7.452	7.630	
1416574	at	Mm.0904	NM 0246237	Mm.20841	16	9.487	9.171	9.088	8.498	8.912	8.498	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	8.912	
1416575	at	Cdc45l	NM 009862	Mm.4387	10	7.306	7.061	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	7.382	
1416576	at	Socs3	NM 007707	Mm.3468	11	9.192	8.631	8.418	8.120	8.088	8.500	8.405	8.145	8.915	8.721	11.052	8.148	8.199	8.681	8.445	8.590	7.814	7.983	8.273	8.042	7.925	8.018	8.567	8.623	
1416577	a at	Rbx1	NM 019712	Mm.29405	15	12.831	13.115	12.593	12.524	12.770	12.645	12.694	12.862	12.219	12.955	12.776	12.812	12.983	13.064	12.635	12.420	12.855	12.916	12.649	12.636	12.604	12.731	12.538	12.380	
1416578	at	Rbx1	NM 019712	Mm.29405	15	9.670	9.764	9.630	9.777	9.725	9.918	9.847	9.542	9.401	9.328	9.464	9.504	9.280	9.498	9.422	9.617	10.136	10.233	10.097	10.025	9.827	9.959	9.779	9.822	
1416579	a at	Tacstd1	BC005618	Mm.4259	17	6.359	6.191	6.343	6.504	6.196	6.301	6.196	6.277	6.116	6.083	6.196	6.313	6.055	6.493	6.147	6.174	6.232	6.243	6.482	6.272	6.281	6.228	6.276	6.394	
1416580	a at	Stub1	NM 019719	Mm.277590	17	11.121	11.315	11.103	11.248	11.159	11.232	11.129	10.916	11.020	11.123	11.027	11.164	10.924	11.038	11.058	11.134	11.332	11.355	11.235	11.339	11.226	11.124	11.042	11.023	
1416581	at	Wdr5	AV095579	Mm.28265	2	10.066	10.099	9.963	10.179	10.061	10.054	10.036	10.104	9.612	9.796	10.110	9.836	9.688	9.922	9.987	10.103	9.897	10.071	10.164	10.134	10.004	10.015	10.169	10.119	
1416582	at	Cyc1	NM 007522	Mm.4387	15	9.487	10.254	9.452	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	9.243	9.454	
1416583	at	Bad	NM 007522	Mm.4387	19	6.562	6.651	6.470	6.821	7.069	6.681	6.549	6.604	7.435	7.104	6.699	7.248	7.063	6.863	6.724	6.477	6.944	6.930	6.795	6.506	6.640	6.632	6.274	6.407	
1416584	at	Man2b2	NM 008550	Mm.4387	5	6.615	6.688	6.431	6.597	6.774	6.563	6.671	6.611	6.786	6.552	6.726	7.007	6.846	6.665	6.508	6.624	6.682	6.711	6.621	6.655	6.664	6.714	6.653	6.366	
1416585	at	Ruvb1l	NM 019685	Mm.42195	6	8.822	9.474	9.125	9.046	8.909	9.091	8.944	8.497	8.931	9.018	9.134	9.015	8.891	9.343	8.977	9.100	8.770	8.811	8.933	8.886	8.619	8.659	8.951	8.818	
1416586	at	Zfp231	NM 008616	Mm.249661	6	7.608	7.241	7.548	7.691	7.456	7.442	7.504	7.447	7.527	7.486	7.525	7.365	7.820	7.560	7.444	7.563	7.505	7.519	7.508	7.598	7.547	7.305	7.509	7.598	
1416587	at	Krc1	NM 009532	Mm.43447	7	8.207	8.357	8.039	8.141	8.233	8.098	8.031	8.416	8.330	8.236	8.171	8.422	8.259	8.171	7.988	7.948	8.613	8.405	8.082						

1416637	at	Slc4a2	NM	009207	Mm.4580	5	8.890	9.581	8.813	9.128	8.769	9.111	9.632	9.671	9.248	9.649	9.771	9.208	9.399	9.861	9.099	9.114	9.091	8.838	8.995	8.905	8.997
1416638	at	Sall2	NM	015772	Mm.39487	14	5.244	5.568	5.215	5.263	5.511	5.380	5.373	5.284	5.366	5.945	5.486	5.561	5.462	5.184	5.282	5.379	5.432	5.184	5.078	5.281	5.300
1416639	at	Scln2a5	NM	019741	Mm.260220	4	8.547	8.266	8.445	8.553	8.346	8.296	8.310	8.498	8.473	8.240	8.455	8.309	8.312	8.299	8.416	8.371	8.506	8.372	8.460	8.505	8.380
1416640	at	Sclne11	NM	021487	Mm.58507	X	5.526	5.764	5.606	5.574	5.742	5.620	5.432	5.591	5.603	5.619	5.436	5.683	5.575	5.708	5.650	5.296	5.446	5.635	5.557	5.598	5.574
1416641	at	Lig1	NM	010715	Mm.289179	7	8.114	9.559	7.054	8.174	8.712	8.208	8.425	8.780	8.610	8.406	8.578	8.126	8.339	9.265	8.300	7.865	7.781	7.644	8.087	7.699	8.090
1416642	at	Tpt1	BF608828	Nm.297482	14	14.974	14.978	14.814	14.961	15.019	14.859	18.666	15.074	15.089	15.022	14.888	15.025	15.042	14.915	14.940	14.880	15.034	14.941	14.916	14.858	15.019	15.063
1416643	at	Tpt1	BF608828	Nm.297482	14	6.635	5.791	6.711	6.540	6.372	6.650	6.529	6.386	6.367	6.111	6.265	6.337	6.544	6.416	6.567	6.810	6.488	6.791	6.722	6.757	6.712	6.405
1416644	at	Sema3b	NM	009153	Mm.4083	9	8.161	8.247	8.027	8.080	8.352	8.154	7.965	8.076	8.116	8.385	8.235	8.350	8.152	8.251	8.002	8.084	8.052	7.776	8.109	7.928	7.839
1416645	at	Afp	NM	007423	Mm.358570	5	3.811	3.776	3.833	3.776	3.813	3.779	3.738	3.966	3.917	3.773	3.786	3.748	3.970	4.022	3.808	3.801	3.840	3.748	3.722	3.936	3.784
1416646	at	Afp	NM	007423	Mm.358570	5	6.467	5.678	5.907	6.017	5.948	5.759	6.027	6.165	5.816	5.757	5.918	5.914	5.994	5.753	5.882	5.978	6.167	5.899	6.040	6.015	6.204
1416647	at	Bckdha	NM	007533	Mm.25848	7	11.518	10.703	11.745	11.736	10.948	11.487	11.313	10.673	10.959	10.334	10.730	11.316	10.963	10.420	11.141	11.633	11.878	11.920	11.673	11.805	11.780
1416648	at	Dync1h1	NM	030238	Mm.181430	12	12.015	12.231	12.096	12.278	12.550	12.121	12.131	12.189	12.266	12.430	12.192	12.611	12.455	12.255	12.332	12.198	12.197	12.133	12.013	12.046	12.096
1416649	at	Ambp	NM	007443	Mm.2197	4	5.702	5.441	5.433	5.639	5.504	5.535	5.661	5.651	5.458	5.338	5.603	5.390	5.191	5.721	5.417	5.416	5.722	5.137	5.412	5.565	5.509
1416650	at	Rfp4	NM	138954	Mm.28764	7	4.344	4.091	4.514	4.148	4.219	4.297	4.202	4.116	4.205	4.255	4.476	4.147	4.318	4.121	4.402	4.273	4.439	4.177	4.265	4.522	4.239
1416651	at	Znhit2	NM	013859	Mm.2310	19	8.900	9.194	8.647	8.786	8.992	8.760	8.782	9.043	9.017	8.901	8.863	9.045	9.045	8.932	8.924	8.704	9.153	9.104	8.962	9.017	9.023
1416652	at	Aspn	NM	025711	Mm.383216	13	8.178	9.815	7.894	8.106	10.639	8.869	8.304	9.408	11.322	11.180	9.326	11.147	11.538	9.712	10.912	7.903	7.909	8.141	8.453	8.097	8.380
1416653	at	Stxbp3a	NM	011504	Mm.316894	3	9.377	9.610	9.536	9.360	9.412	9.401	9.354	9.349	9.583	9.809	9.263	9.526	9.533	9.522	9.676	9.362	9.185	9.306	9.592	9.078	9.224
1416654	at	Scl31a2	NM	025286	Mm.292539	4	9.278	9.378	9.578	9.449	9.641	9.358	9.255	9.631	9.589	9.792	9.282	9.879	9.733	9.342	9.823	9.580	9.503	9.625	9.588	9.490	9.871
1416655	at	C1gal11c1	NM	021550	Mm.327675	X	9.730	9.921	9.713	9.623	9.554	9.661	9.647	9.415	9.945	10.043	9.543	9.658	9.660	9.981	9.696	9.701	9.332	9.405	9.522	9.503	9.510
1416656	at	C1c1	NM	033444	Mm.29524	17	9.401	10.545	9.069	9.026	9.854	9.277	9.449	10.389	10.645	10.575	10.418	10.066	10.370	10.623	9.930	9.586	9.373	9.239	9.158	8.796	9.202
1416657	at	Akt1	NM	009652	Mm.6645	12	11.170	11.326	11.251	11.382	11.043	11.261	10.986	10.910	10.760	10.919	11.549	10.959	10.812	11.065	10.860	11.269	10.820	11.101	10.856	11.083	11.196
1416658	at	Frfz	U91905	Mm.427436	2	7.649	8.349	7.289	7.374	7.702	8.034	7.253	8.426	9.505	9.514	8.632	9.421	9.710	9.108	8.693	7.426	6.998	7.244	7.530	6.379	7.289	7.036
1416659	at	Eif3a	AW701127	Mm.2238	19	11.274	11.268	11.218	11.046	11.192	11.085	11.094	11.173	11.157	11.482	11.238	11.349	11.283	11.320	11.130	11.277	10.991	10.749	11.096	10.884	11.128	11.042
1416660	at	Eif3a	AW701127	Mm.2238	19	8.410	8.553	8.535	8.430	8.531	8.493	8.327	8.193	8.542	8.658	8.645	8.321	8.347	8.601	8.575	8.732	8.324	7.950	8.559	8.502	8.309	8.248
1416661	at	Eif3a	AW701127	Mm.2238	19	8.740	9.134	8.521	8.708	8.833	8.595	8.117	9.413	9.114	8.962	8.756	9.245	8.892	8.774	8.681	8.617	9.166	8.692	8.546	8.440	8.929	8.248
1416662	at	Sardh	BI217574	Mm.278467	2	7.514	7.858	7.423	7.473	7.679	7.611	7.274	7.694	8.092	8.011	7.760	7.950	8.213	7.715	7.711	7.398	7.798	7.726	7.673	7.377	7.635	7.622
1416663	at	Nkxif9	NM	013658	Mm.289179	6	13.241	13.373	13.373	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416
1416664	at	Cdc20	NM	022223	Mm.289747	4	7.697	9.307	7.756	7.937	7.678	7.813	7.825	7.937	7.156	7.166	7.156	7.250	7.230	7.440	7.870	7.538	7.470	7.538	7.470	7.538	7.470
1416665	at	Cox7	AF098949	Mm.20634	7	11.681	11.381	11.826	11.687	11.295	11.633	11.539	11.464	10.946	10.986	11.220	10.961	10.728	10.861	11.413	11.814	11.695	11.910	11.771	11.808	11.907	11.810
1416666	at	Serpin2e	NM	009255	Mm.3093	1	10.840	11.116	11.104	11.188	12.175	11.240	10.937	11.075	12.085	12.189	11.656	12.336	12.774	11.616	12.301	11.008	10.100	10.597	11.255	10.333	10.105
1416667	at	Etp3	NM	007898	Mm.27183	X	9.398	9.740	9.632	9.426	9.402	9.609	9.485	9.111	9.763	9.789	9.478	9.382	9.488	9.772	9.405	9.542	9.296	9.492	9.514	9.471	9.239
1416668	at	Itcb	NM	025736	Mm.244512	15	12.885	12.711	13.003	12.799	12.684	12.918	12.981	12.705	12.484	12.756	12.658	12.528	12.527	12.633	12.705	12.977	12.719	12.800	12.984	13.013	12.728
1416669	s	Naca	NM	013608	Mm.3746	10	12.484	12.483	11.933	12.369	12.455	11.958	12.025	13.017	12.566	12.244	12.235	12.662	12.533	11.950	12.206	11.655	12.978	12.704	12.167	12.081	12.878
1416670	at	Sctdb1	AY091600	Mm.181009	3	7.272	6.668	7.325	7.125	6.867	7.033	7.165	6.922	6.615	6.965	7.062	6.965	7.068	7.054	7.250	7.212	6.996	7.025	7.250	7.473	7.020	6.981
1416671	at	Foxo1	NM	033517	Mm.14902	8	8.900	7.332	9.246	7.047	9.047	9.243	9.370	9.435	8.149	9.518	9.698	8.149	9.518	9.698	8.149	9.518	9.698	8.149	9.518	9.698	8.149
1416672	s	Mcoln1	NM	053177	Mm.8356	8	8.611	9.061	8.823	8.786	9.062	8.896	8.819	9.067	9.215	9.197	8.724	9.253	9.161	9.080	8.921	8.784	8.970	8.991	9.088	8.892	8.913
1416673	at	Bace1	NM	019157	Mm.97885	16	6.785	7.195	6.632	6.993	7.509	7.223	6.951	7.163	7.888	7.960	7.738	7.736	7.825	7.400	7.693	6.907	6.887	6.842	7.005	6.757	6.912
1416674	at	Ptdru	D88187	Mm.4860	4	7.007	6.799	6.928	6.853	6.740	6.732	6.755	6.358	6.582	6.809	6.734	6.673	6.658	6.450	6.433	7.026	6.943	7.027	6.906	6.915	6.798	6.783
1416675	s	Picd1	NM	019676	Mm.23963	9	8.949	9.331	8.922	9.061	8.985	9.085	8.810	9.122	9.080	9.166	9.071	9.360	9.160	9.092	9.092	9.050	9.419	9.043	9.293	9.160	9.124
1416676	at	Kna1	NM	023125	Mm.2160	16	4.860	4.708	4.857	4.821	4.802	4.559	4.893	4.751	4.702	4.698	4.718	4.977	4.895	4.901	4.741	4.777	4.899	4.722	4.801	4.847	4.801
1416677	at	ApoH	NM	013475	Mm.2266	11	7.679	7.388	7.542	7.565	7.602	7.234	7.565	7.589	7.653	7.535	7.591	7.697	7.676	7.580	7.538	7.718	7.456	7.650	7.554	7.698	7.640
1416678	at	Nkxif9	NM	013658	Mm.289179	6	13.241	13.373	13.373	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416	13.416
1416679	at	Abcd3	BC009119	Mm.399042	3	11.782	11.754	11.557	11.916	11.599	12.033	12.047	11.894	11.611	11.337	11.494	11.622	11.480	11.641	11.049	12.011	12.017	12.198	12.181	11.611	11.641	11.611
1416680	at	Ube3a	AK018443	Mm.9002	7	10.470	10.425	10.357	10.147	10.179	10.224	10.294	10.785	10.007													

1416726	s	at	Ube2s	NM	133777	Mm.389787	7	9.946	9.867	9.468	9.304	9.633	9.485	9.861	9.830	10.112	9.944	9.897	9.560	9.700	10.133	9.841	9.693	9.790	9.608	9.659	9.857	9.375	9.689	9.792	9.418	
1416727	a	at	Cyb5b	NM	025797	Mm.31018	18	11.329	11.435	11.427	11.514	11.012	11.373	11.284	11.263	11.395	11.352	10.849	11.562	11.468	11.390	11.268	11.444	11.969	11.886	11.371	11.754	12.048	12.051	11.759	11.712	
1416728	at		Csmk2b	NM	009975	Mm.378901	17	11.387	11.424	10.971	10.554	11.039	11.341	11.317	11.564	11.498	11.220	11.273	11.231	11.376	11.068	11.001	11.131	11.744	11.494	11.513	11.258	11.716	11.524	11.301	10.985	
1416729	at		Ptg	NM	008877	Mm.971	17	5.331	5.290	5.224	5.554	5.233	5.321	5.382	5.428	5.507	5.349	5.440	5.367	5.474	5.529	5.517	5.333	5.398	5.545	5.450	5.284	5.512	5.413	5.413	5.413	
1416730	at		Bp1	BC004574	Mm.28630		19	8.580	8.784	8.560	8.535	8.632	8.677	8.529	8.594	8.489	8.416	8.150	8.577	8.478	8.659	8.550	8.609	8.462	8.438	8.580	8.466	8.406	8.751	8.661		
1416731	at		Top2b	BB166592	Mm.130362		14	9.955	9.889	9.907	9.867	9.936	10.015	10.021	10.367	10.116	10.127	8.802	10.067	10.096	10.115	10.201	9.997	10.326	9.895	10.024	9.935	10.097	10.553	9.843	10.013	
1416732	at		Top2b	BB166592	Mm.130362		14	8.185	8.436	8.220	8.154	8.188	8.367	8.208	8.194	9.727	8.224	8.806	8.231	8.128	8.236	8.346	8.242	8.149	8.131	8.327	8.339	7.956	8.091	8.888	8.408	
1416733	at		Mkin1	NM	013791	Mm.238038	6	9.872	9.886	10.107	9.891	9.772	10.045	10.027	9.906	9.794	9.953	9.725	9.993	9.816	9.958	9.962	10.058	9.965	9.855	10.016	10.023	9.886	10.105	9.925	10.191	
1416734	at		Mkin1	NM	013791	Mm.238038	6	7.234	6.720	7.066	6.952	6.642	6.672	6.877	6.876	6.665	6.626	6.668	6.926	6.690	6.862	6.911	7.116	6.914	7.198	6.920	7.084	7.043	6.973	6.999	7.070	
1416735	at		Asah1	NM	019734	Mm.22547	8	10.217	10.900	10.533	10.572	10.605	10.716	10.528	10.478	10.909	11.037	10.521	10.785	11.050	11.095	10.720	10.372	10.255	10.213	10.469	10.418	10.227	10.362	10.291	10.291	
1416736	at		Casc3	NM	138660	Mm.40120	11	10.020	9.872	9.998	10.025	9.958	10.067	9.915	9.840	9.747	9.901	9.919	9.737	9.943	9.934	9.970	10.014	9.882	9.922	10.000	10.012	9.882	9.939	9.939	10.131	10.119
1416737	at		Gys1	NM	008195	Mm.275654	7	11.198	10.959	11.353	11.085	10.670	10.814	10.665	10.670	10.741	10.968	10.526	10.844	10.760	10.630	10.477	11.357	10.609	10.840	11.091	10.896	10.602	10.597	10.775	10.780	
1416738	at		Brao	NM	028227	Mm.153372	5	9.127	9.202	9.028	9.184	9.344	9.290	9.166	8.973	9.084	9.185	9.116	9.403	9.394	9.132	9.199	9.186	8.805	9.074	9.224	9.019	8.763	9.029	9.433	9.185	
1416739	a	at	Brao	NM	028227	Mm.153372	5	5.728	5.666	5.650	5.530	5.581	5.526	5.551	5.527	5.718	5.814	5.473	5.637	5.451	5.583	5.431	5.504	5.446	5.443	5.368	5.468	5.402	5.574	5.800	5.728	
1416740	at		Col5a1	AW744319	Mm.7281		2	9.763	11.723	9.606	9.942	11.606	10.494	9.843	10.784	12.995	12.541	10.905	11.806	12.325	12.002	11.436	9.706	9.467	9.746	10.169	9.304	9.340	9.604	8.976	9.312	
1416741	at		Col5a1	AW744319	Mm.7281		2	8.334	9.922	8.168	8.586	9.456	8.634	8.110	8.607	10.847	10.699	9.213	9.458	9.982	9.941	9.691	8.353	7.928	8.186	8.663	8.213	8.240	7.818	8.327	8.266	
1416742	at		Cfdp1	NM	011801	Mm.279437	8	10.204	10.526	9.951	10.067	10.076	10.011	10.085	10.159	10.445	10.204	10.110	10.237	10.326	10.335	10.189	9.980	10.141	10.156	10.088	10.026	10.145	10.148	9.969	9.874	
1416743	at		Uap1	NM	133806	Mm.27969	1	10.654	10.375	10.385	10.433	9.982	10.278	10.224	9.558	9.960	9.973	11.616	9.810	9.829	10.242	10.102	10.305	9.512	9.762	10.021	9.879	9.770	9.701	10.794	11.049	
1416744	at		Uap1	NM	133806	Mm.27969	1	5.043	4.909	5.196	5.055	4.843	4.775	5.072	4.759	4.869	4.902	5.265	4.613	4.669	4.933	5.014	4.948	4.907	4.777	5.024	4.732	4.690	4.918	5.169	5.622	
1416745	x	at	Uap1	NM	133806	Mm.27969	1	6.994	6.610	6.274	6.814	6.459	6.398	6.553	6.500	6.395	6.479	7.249	6.222	6.203	6.424	6.781	6.679	6.323	6.370	6.553	6.413	6.340	6.576	7.057	7.390	
1416746	at		H2afx	NM	010436	Mm.245931	9	8.453	10.011	8.469	8.781	9.036	8.691	8.748	9.417	9.886	9.259	9.499	9.005	9.127	9.772	8.974	8.315	8.753	8.814	8.793	8.478	8.654	8.592	8.505	8.384	
1416747	at		D15Mau27	NM	134100	Mm.287740	15	10.385	10.991	10.460	10.533	10.456	10.630	10.475	10.281	10.761	10.684	10.594	10.413	10.500	10.842	10.438	10.407	10.283	10.467	10.422	10.398	10.244	10.203	10.452	10.421	
1416748	a	at	Mre11a	NM	018736	Mm.149071	9	7.789	8.442	7.767	7.796	7.688	7.762	7.923	7.773	8.086	8.056	8.054	7.749	7.714	8.028	7.777	7.683	7.503	7.637	7.717	7.484	7.713	7.642	7.728	7.728	
1416749	at		Htra1	NM	019564	Mm.30156	7	11.003	11.413	11.403	11.598	11.937	11.985	11.598	10.961	11.420	11.489	11.140	11.888	11.830	11.289	11.842	11.377	11.904	11.742	11.610	11.938	11.789	11.776	11.752	11.740	
1416750	at		Opr1	NM	011014	Mm.425181	4	9.087	9.876	9.137	9.189	9.371	9.388	9.262	8.848	9.667	9.556	9.256	9.196	9.429	9.839	9.408	9.205	8.896	9.308	9.337	9.325	8.994	8.419	9.101	8.930	
1416751	a	at	Ddx20	NM	017397	Mm.272826	3	8.782	8.835	8.581	8.676	8.654	8.670	8.486	8.807	8.500	8.576	8.484	8.766	8.582	8.459	8.423	8.708	8.814	8.702	8.520	8.595	8.796	8.948	8.436	8.733	
1416752	at		Pkr1a1b	NM	008922	Mm.306163	14	11.396	12.069	11.729	11.835	13.063	12.679	13.053	12.622	13.058	13.052	12.622	13.058	13.052	12.616	13.058	13.052	13.430	13.430	13.320	13.430	13.390	13.390	13.390	13.390	
1416753	at		Pkr1a1b	NM	008922	Mm.306163	14	9.385	9.206	9.315	9.223	9.226	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	9.326	
1416754	at		Pkr1a1b	NM	008923	Mm.306163	5	6.920	7.057	6.888	6.714	6.962	6.710	6.785	6.910	7.124	7.067	7.031	7.146	6.990	7.109	6.658	6.938	6.839	6.669	6.968	6.968	6.858	6.764	6.928	6.773	
1416755	at		Dnaib1	AK002290	Mm.282092		8	11.523	11.609	11.247	11.612	11.384	11.425	11.256	10.776	10.976	11.046	10.428	10.885	10.967	11.266	11.430	11.204	10.474	10.952	10.891	10.646	10.885	10.622	12.380	10.952	
1416756	at		Dnaib1	AK002290	Mm.282092		8	8.110	8.816	7.895	8.178	8.290	8.151	8.107	8.032	8.561	8.289	11.124	8.231	8.056	8.351	8.358	7.935	7.789	8.010	7.962	7.745	8.130	7.945	8.077	8.074	
1416757	at		Zwilch	BC027435	Mm.335237		9	5.300	7.356	5.140	5.355	6.458	5.578	5.582	6.742	6.979	6.860	6.630	5.675	5.868	7.226	5.792	5.242	4.729	4.976	5.407	5.257	5.330	5.287	5.158	5.015	
1416758	at		Arhaap27	NM	133715	Mm.397197	11	8.675	8.743	8.517	8.552	8.648	8.493	8.577	8.718	8.746	8.686	8.582	8.591	8.644	8.625	8.671	8.596	8.598	8.632	8.591	8.622	8.604	8.481	8.768	8.673	
1416759	at		Micall1	NM	138315	Mm.290431	10	6.640	6.264	6.347	6.744	7.755	7.092	6.484	7.813	8.608	8.221	7.306	8.315	8.297	7.900	7.558	6.453	6.608	7.628	7.595	6.732	7.059	7.152	6.835	6.334	
1416760	at		Gatad1	NM	013405	Mm.289056	12	7.922	9.637	6.832	7.694	8.298	7.729	7.645	9.005	9.985	8.595	9.205	9.222	8.298	9.224	9.245	8.956	7.797	8.952	7.797	8.952	7.797	8.952	7.797	8.952	
1416761	at		Hid1lb2	BC014753	Mm.5079		8	5.607	5.333	5.416	5.524	5.512	5.549	5.490	5.612	5.600	5.495	5.400	5.455	5.374	5.487	5.486	5.536	5.507	5.500	5.597	5.500	5.474	5.500	5.534	5.550	
1416762	at		S100a1b	NM	009112	Mm.1	3	10.289	11.606	10.234	10.383	11.187	10.493	10.280	11.470	12.144	11.679	11.224	11.144	11.215	11.371	11.284	10.129	10.301	10.291	10.114	9.902	10.302	11.000	10.765	10.346	
1416763	at		Cdc123	NM	133837	Mm.181490	2	10.675	10.775	11.060	10.854	10.419	10.913	10.705	10.193	10.324	10.278	10.240	10.461	10.266	10.570	10.468	10.876	10.654	10.702	10.688	10.606	10.455	10.663	10.679	10.654	
1416764	at		Fis1	NM	025562	Mm.25849	5	10.728	10.770	10.837	10.791	10.870	10.822	10.715	10.542	10.627	10.715	10.640	10.930	10.800	10.575											

1416815	s	at	Bub3	BE986800	Mm.927	7	10.914	11.381	10.915	10.878	11.065	11.043	10.985	11.259	11.280	11.191	11.196	11.079	11.173	11.443	11.039	10.931	11.124	11.026	10.982	10.943	11.055	10.936	10.855
1416816	at	Nek7	NM 021605	Mm.143817	1	12.643	12.315	12.462	12.513	12.569	12.364	12.242	12.402	12.394	12.585	12.371	12.539	12.650	12.144	12.568	12.517	12.427	12.571	12.475	12.467	12.567	12.678	12.585	12.552
1416817	at	Nek7	NM 021605	Mm.143817	1	9.389	8.784	9.281	9.222	9.061	9.155	9.223	8.893	9.138	9.155	9.041	9.278	9.261	9.162	9.424	9.366	9.254	9.241	9.298	9.460	9.263	9.260	9.405	9.379
1416818	at	Parva	NM 020606	Mm.143763	7	7.654	9.152	7.437	7.631	8.213	7.659	7.698	8.444	9.428	9.191	8.398	8.589	8.754	8.692	7.995	7.496	7.716	7.623	7.783	7.544	7.764	7.787	7.674	7.482
1416819	at	Grp94	AK013225	Mm.32331	9	11.942	11.187	11.171	11.131	10.922	11.122	11.075	10.770	11.029	11.241	11.080	11.048	11.045	11.092	11.200	11.165	11.213	11.379	11.326	11.408	11.195	10.978	11.174	11.165
1416820	at	Cdc37	AK013225	Mm.32331	9	5.846	6.188	5.985	5.815	6.031	6.072	6.140	5.901	6.181	5.957	6.000	5.899	6.135	6.205	5.940	6.029	5.850	5.997	5.957	6.069	6.015	6.102	5.962	
1416821	at	Dqcr14	BC013711	Mm.256480	16	7.484	7.621	7.125	7.465	7.428	7.207	7.214	7.567	7.613	7.410	7.493	7.620	7.607	7.566	7.369	7.103	7.400	7.380	7.419	7.359	7.250	7.308	7.241	7.224
1416822	at	Dqcr14	BC013711	Mm.256480	16	7.132	7.540	7.313	7.154	7.354	7.327	7.241	7.489	7.352	7.214	7.312	7.360	7.378	7.307	7.238	7.225	7.323	7.604	7.399	7.426	7.454	7.364	7.226	7.120
1416823	a	at	Osbpl1a	NM 020573	Mm.259470	18	9.619	9.692	9.599	9.561	9.921	9.626	9.474	9.395	8.897	9.182	9.065	9.430	9.316	8.994	9.356	9.574	9.703	9.777	9.776	9.669	9.495	9.443	9.998
1416824	at	B23011BH07Rik	NM 026592	Mm.31263	2	10.676	9.998	10.771	10.529	10.224	10.649	10.605	10.126	9.724	10.006	10.039	10.242	10.085	10.026	10.259	10.825	10.529	10.679	10.739	10.811	10.678	10.580	10.793	10.762
1416825	at	Snt1a	NM 009228	Mm.15451	2	10.967	11.198	10.689	10.727	10.936	10.419	10.412	11.076	11.102	11.080	10.952	11.240	11.025	10.609	10.792	10.713	10.871	11.178	11.020	10.738	10.830	10.755	10.676	10.873
1416826	a	at	Mead20	NM 020408	Mm.59393	17	9.786	10.293	10.015	10.139	10.250	10.194	10.040	10.164	10.298	10.303	9.902	10.417	10.200	10.212	10.363	9.883	10.301	10.355	10.062	10.103	10.245	10.358	10.107
1416827	at	Tbxas1	NM 011539	Mm.40504	6	7.339	7.743	7.216	7.547	7.218	6.871	7.220	7.586	7.960	7.398	7.369	7.371	7.158	7.665	7.309	7.131	7.376	7.103	7.293	7.015	7.410	7.392	7.191	6.903
1416828	at	Snao25	BC018249	Mm.45953	2	3.910	3.871	3.821	3.887	3.825	3.971	3.957	3.845	3.910	3.902	3.869	3.754	3.790	3.910	3.902	3.834	3.923	3.928	3.930	3.931	3.875	3.842	3.888	4.006
1416829	at	Atp5b	NM 016774	Mm.238973	10	14.698	14.364	14.773	14.728	14.512	14.695	14.669	14.282	14.116	14.492	14.523	14.546	14.463	14.456	14.678	14.781	14.515	14.610	14.740	14.800	14.588	14.563	14.760	14.865
1416830	at	0610031J06Rik	NM 020003	Mm.439922	3	9.559	9.953	9.408	9.562	9.827	9.477	9.458	9.711	10.205	10.129	9.627	10.112	10.127	9.950	9.827	9.411	9.670	9.698	9.681	9.498	9.662	9.717	9.316	9.259
1416831	at	Neu1	A1649303	Mm.8856	17	7.492	7.943	7.215	7.397	7.662	7.298	7.219	7.715	8.199	7.913	7.743	7.918	7.988	7.685	7.606	7.281	7.895	7.893	7.568	7.516	8.054	7.784	7.399	7.293
1416832	at	Slc39a8	NM 026228	Mm.30239	3	5.111	5.628	4.919	4.883	5.306	6.231	4.959	5.129	5.756	5.535	5.088	5.078	5.107	5.546	5.155	4.967	5.055	5.223	4.969	4.897	5.076	4.773	4.966	4.658
1416833	at	Kea1	NM 029550	Mm.218561	19	6.491	6.144	6.542	6.495	6.286	6.411	6.494	6.200	6.332	6.344	6.561	6.319	6.489	6.470	6.359	6.500	6.298	6.547	6.409	6.781	6.449	6.336	6.624	6.537
1416834	x	at	Ndufb2	NM 026612	Mm.29415	6	11.652	11.436	11.408	11.505	11.535	11.350	11.459	12.209	11.356	11.059	11.573	11.673	11.460	10.935	11.285	11.320	12.527	12.172	11.504	11.568	12.396	12.458	11.220
1416835	s	at	Amf1	NM 009665	Mm.253533	10	10.278	9.797	10.519	10.032	9.885	10.331	10.050	9.599	9.849	9.128	10.251	9.505	9.494	9.593	10.062	10.659	9.787	9.679	9.806	10.241	10.425	10.406	10.708
1416836	at	Lrrp10	BC011058	Mm.472719	14	10.790	11.466	10.759	10.869	11.308	10.841	10.712	10.923	11.659	11.402	10.971	11.372	11.545	11.115	10.926	10.788	10.854	10.892	10.760	10.615	10.747	10.781	10.534	10.430
1416837	at	Bax	BC018228	Mm.19904	7	8.664	9.003	8.233	8.451	8.716	8.422	8.538	9.034	9.131	8.749	8.935	8.789	8.832	8.977	8.488	8.297	8.781	8.572	8.322	8.327	8.542	8.850	8.226	8.142
1416838	at	Mut	NM 008650	Mm.259884	17	12.524	11.782	12.664	12.415	12.200	12.415	12.333	11.913	11.332	11.684	11.439	11.855	11.728	11.630	12.070	12.721	12.595	12.431	12.595	12.663	12.400	12.402	12.437	12.622
1416839	at	Mut	NM 008650	Mm.259884	17	4.901	4.944	5.558	5.182	5.398	5.250	5.133	4.920	4.413	4.692	4.588	4.887	4.586	4.429	5.012	5.469	5.274	5.355	5.486	5.398	5.457	5.383	5.282	5.295
1416840	at	Mid1ip1	NM 026524	Mm.29429	X	12.506	12.100	12.513	12.739	12.293	12.730	12.312	11.725	11.680	11.681	13.005	11.866	11.811	11.960	12.103	12.559	12.379	12.529	12.487	12.637	12.499	12.065	12.264	12.148
1416841	at	1110059E24Rik	NM 020007	Mm.259694	19	8.937	9.142	8.977	9.124	8.967	9.124	8.962	9.121	8.980	9.124	8.980	9.124	8.980	9.124	8.980	9.124	8.980	9.124	8.980	9.124	8.980	9.124	8.980	9.124
1416842	at	Ubr5	NM 010360	Mm.283551	3	10.952	10.448	10.955	10.536	10.620	10.750	10.855	10.750	10.203	10.142	10.619	11.162	11.107	10.254	10.803	10.866	11.268	11.267	11.058	10.895	10.917	11.068	10.836	10.772
1416843	at	Pde6d	NM 008801	Mm.12925	1	8.894	9.140	8.765	8.838	9.235	8.895	8.893	9.270	9.229	9.120	8.914	9.471	9.272	8.940	8.843	8.833	9.505	9.605	9.208	9.084	9.307	9.423	8.713	8.855
1416844	at	Prrnt2	NM 133182	Mm.302020	10	9.318	10.477	9.155	9.492	10.086	9.433	9.377	9.846	10.834	10.330	10.058	10.511	10.413	10.334	9.993	9.095	9.593	9.574	9.384	9.300	9.548	9.926	9.317	9.205
1416845	at	Tmem132a	NM 133804	Mm.27387	19	8.881	9.769	8.642	9.140	9.522	8.990	9.120	9.202	9.884	9.585	9.393	9.299	9.542	9.969	9.078	8.897	8.935	8.977	9.050	8.789	8.929	8.952	8.832	8.767
1416846	a	at	Pdzr3	NM 018884	Mm.321654	6	9.889	10.701	9.738	9.683	10.392	10.040	9.821	10.401	11.204	11.389	10.755	10.964	11.190	10.967	11.225	9.671	10.411	10.210	10.522	10.039	10.324	10.443	10.208
1416847	s	at	Oas1	NM 133993	Mm.247620	5	4.310	4.346	4.393	4.325	4.193	4.164	4.181	4.286	4.258	4.275	4.254	4.482	4.231	4.277	4.141	4.270	3.979	3.957	4.149	4.273	4.031	4.047	4.168
1416848	at	Ubr5	NM 025401	Mm.24608	9	8.647	8.634	8.607	8.528	8.631	8.661	8.535	8.758	8.365	8.444	8.692	8.854	8.705	8.393	8.474	8.546	8.018	8.749	8.551	8.678	8.945	8.785	8.505	8.307
1416849	at	Ubr5	NM 025401	Mm.24608	9	13.400	10.849	11.181	11.395	11.096	11.160	11.092	10.856	10.956	10.949	10.844	10.603	10.747	10.924	11.315	11.392	11.178	11.023	11.315	11.392	11.178	11.023	11.315	11.392
1416850	s	at	Cs1d1	NM 134007	Mm.254114	10	13.466	13.256	13.369	13.457	13.465	13.420	13.351	13.386	13.077	13.195	13.310	13.369	13.205	12.987	13.249	13.351	13.487	13.601	13.488	13.526	13.461	13.288	13.394
1416851	at	Slit1	NM 133726	Mm.180337	15	6.956	6.971	7.068	6.956	6.931	7.073	6.841	7.094	6.982	6.811	6.990	7.055	6.877	6.846	6.692	6.971	7.107	7.031	7.027	6.807	7.072	7.254	7.053	6.862
1416852	a	at	Ncdn	BC017126	Mm.206206	4	8.122	9.040	8.299	8.261	8.882	8.411	8.266	8.917	8.987	8.657	9.071	8.959	8.850	8.631	8.579	8.113	9.032	8.952	8.622	8.423	8.748	8.864	8.119
1416853	at	Ncdn	BC017126	Mm.206206	4	7.334	7.996	7.326	7.389	7.830	7.473	7.175	7.712	7.802	7.849	8.303	7.907	7.819	7.620	7.729	7.456	7.745	7.786	7.708	7.606	7.655	7.540	7.510	7.222
1416854	at	Slc34a2	NM 011402	Mm.284891	5	8.955	8.793	8.708	8.887	8.877	8.887	9.048	9.049	8.737	8.750	8.890	8.726	8.752	8.810	8.849									

1416904	at	Mbn1l	NM 020007	Mm.255723	3	12.433	12.480	12.473	12.462	12.563	12.740	12.690	12.560	12.474	12.681	12.289	12.485	12.641	12.697	12.675	12.527	12.597	12.626	12.622	12.728	12.642	12.640
1416905	at	Guca2a	NM 008190	Mm.2614	4	6.962	6.725	6.684	6.789	6.820	6.727	6.655	6.861	6.764	6.650	6.749	6.727	6.976	6.728	6.568	6.611	6.813	6.654	6.661	6.875	6.798	6.801
1416906	at	Anapc5	NM 021505	Mm.332667	5	12.068	12.000	12.042	12.131	12.171	12.054	11.919	12.007	11.894	11.957	12.010	12.052	12.032	11.883	12.045	12.096	12.078	12.102	12.140	12.255	12.070	12.124
1416907	at	Tsn	BB818311	Mm.426637	1	7.769	7.899	7.513	7.671	7.636	7.106	7.684	8.039	7.983	8.107	7.808	7.510	7.542	7.508	7.745	7.622	8.169	7.865	7.841	7.493	8.245	8.306
1416908	at	Plagl1	NM 020911	Mm.276637	1	10.701	10.944	10.770	10.651	10.733	10.705	10.755	10.734	10.940	10.864	10.657	10.638	10.694	11.059	10.685	10.772	10.558	10.726	10.737	10.607	10.639	10.755
1416909	at	Plagl1	NM 025457	Mm.28924	9	9.342	9.160	9.276	9.383	9.277	9.365	9.345	9.055	9.136	9.191	8.908	9.339	9.171	9.056	9.157	9.288	9.652	9.726	9.656	9.506	9.669	9.351
1416910	at	Dnaic15	NM 025384	Mm.248046	14	11.283	11.143	11.132	11.141	11.109	11.001	11.248	11.655	10.794	10.765	11.253	11.253	10.894	10.543	10.500	11.052	11.785	11.586	10.990	11.235	11.642	11.700
1416911	a at	Akirin1	NM 023423	Mm.27903	4	7.765	8.335	7.717	7.642	7.848	7.550	7.780	8.126	7.874	7.941	7.858	7.907	7.837	8.090	7.831	7.839	7.615	7.670	7.468	7.066	7.508	7.911
1416912	at	Akirin1	NM 023423	Mm.27903	4	11.188	11.439	11.217	11.209	11.323	11.231	11.210	10.973	11.277	11.207	11.357	11.038	11.147	11.398	11.165	11.241	10.729	11.014	11.313	11.059	10.754	10.687
1416913	at	Est1	NM 007954	Mm.88078	8	5.550	5.229	5.473	5.292	5.310	5.460	5.503	5.377	5.308	5.242	5.295	5.237	5.453	5.152	5.245	5.483	5.542	5.452	5.494	5.560	5.550	5.412
1416914	s at	Mtv2	NM 023166	Mm.391142	19	9.459	10.145	9.583	9.861	10.049	9.756	9.503	9.853	10.444	10.459	9.765	10.335	10.305	10.120	10.043	9.528	9.930	9.938	9.923	9.702	9.929	9.842
1416915	at	Msh6	UJ2100	Mm.18210	17	8.265	8.944	8.215	8.454	8.653	8.494	8.312	8.333	8.454	8.472	7.992	8.455	8.379	8.697	8.299	8.383	8.568	8.422	8.416	8.354	8.249	8.410
1416916	at	Ejf3	NM 007991	Mm.441449	1	7.935	7.529	7.856	7.782	7.685	7.796	7.821	7.771	7.666	7.685	7.822	7.738	7.720	7.650	7.773	7.922	7.923	7.810	7.839	7.965	7.955	7.747
1416917	at	L700123020Rik	NM 021437	Mm.197509	14	8.946	9.653	8.744	8.995	9.205	8.929	9.138	9.217	9.642	9.249	9.065	9.418	9.315	9.322	9.004	8.865	9.206	9.204	9.160	8.930	9.130	9.236
1416918	at	Dla3	NM 016747	Mm.4615	X	7.294	7.853	7.617	7.712	7.958	7.805	7.623	7.873	8.139	8.149	7.607	8.116	8.090	8.018	7.871	7.665	7.870	7.741	7.871	7.689	7.683	7.761
1416919	a at	Nphp1	NM 016902	Mm.210766	2	8.874	8.629	8.813	8.851	8.758	8.708	8.838	8.987	8.655	8.832	8.546	8.800	8.797	8.694	8.722	8.766	8.986	8.775	8.898	8.835	8.748	9.124
1416920	at	Rbm4	NM 009032	Mm.426069	19	7.692	8.275	7.859	8.075	8.069	8.041	7.991	7.702	8.036	8.055	7.943	8.004	7.809	8.017	8.020	7.868	7.879	8.161	8.061	7.916	8.022	7.987
1416921	x at	Aldoa	NM 007438	Mm.275831	7	14.372	14.215	14.297	14.337	14.369	14.187	14.310	14.394	14.219	14.341	14.777	14.461	14.366	14.270	14.297	14.315	14.323	14.363	14.245	14.309	14.347	14.338
1416922	a at	Bmi3	AK018668	Mm.29820	14	10.256	10.646	10.454	10.303	10.493	10.374	10.350	10.387	10.780	10.766	10.403	10.668	10.849	10.648	10.596	10.424	10.419	10.358	10.388	10.381	10.400	10.456
1416923	a at	Bmi3	AK018668	Mm.29820	14	8.968	9.337	9.373	9.243	9.318	9.392	9.120	9.007	9.387	9.738	9.014	9.396	9.533	9.652	9.542	9.337	9.043	9.139	9.234	9.029	8.919	9.229
1416924	at	Bri3	NM 018772	Mm.38011	5	11.201	11.268	10.956	11.401	11.476	11.118	11.023	11.691	11.465	11.250	11.014	11.895	11.613	10.906	11.282	10.880	12.087	11.894	11.336	11.463	11.951	11.765
1416925	at	Kmb1	NM 008379	Mm.251013	11	9.162	10.121	9.287	9.354	9.539	9.441	9.293	9.226	9.775	9.864	9.586	9.462	9.278	9.796	9.280	9.324	8.992	8.920	8.957	9.108	9.051	9.052
1416926	at	Trp53imp1	AW495711	Mm.393018	4	9.102	8.676	9.063	8.861	9.656	9.380	9.011	8.681	9.461	9.462	8.067	9.521	9.278	9.273	9.688	9.141	8.815	9.006	9.119	8.846	8.810	9.463
1416927	at	Trp53imp1	AW495711	Mm.393018	4	6.337	6.206	6.446	6.392	6.284	6.497	6.498	6.082	6.126	6.243	6.261	6.243	6.379	5.983	6.411	6.485	6.252	6.403	6.447	6.715	6.305	6.083
1416928	at	Rbm12	NM 029397	Mm.27660	2	8.361	8.758	8.408	8.404	8.401	8.400	8.495	8.685	8.274	8.415	8.570	8.263	8.297	8.457	8.710	8.583	8.380	8.291	8.212	8.074	8.115	8.438
1416929	at	Rbm12	NM 029397	Mm.27660	2	5.221	5.387	5.192	5.352	5.230	5.238	5.305	5.385	5.463	5.416	5.414	5.246	5.103	5.146	5.098	5.212	5.224	5.257	5.082	5.123	5.287	5.230
1416930	at	Nif3	NM 027742	Mm.340248	15	7.088	7.742	7.915	7.854	7.949	7.707	7.855	7.924	7.848	7.823	7.948	7.828	7.924	7.865	7.800	7.841	7.924	7.933	7.910	7.924	7.933	7.910
1416931	at	Cox2	BC011435	Mm.240108	8	8.645	8.740	8.675	8.623	8.656	8.694	8.696	8.750	8.618	8.523	8.506	8.607	8.593	8.611	8.583	8.687	8.739	8.855	8.720	8.607	8.641	8.748
1416932	at	Por	NM 008898	Mm.3863	5	9.599	9.695	9.363	9.428	9.214	9.262	9.061	9.031	9.395	9.353	9.506	9.447	9.292	9.379	9.317	9.508	9.340	9.265	9.227	9.216	9.470	9.385
1416934	at	Mtm1	NM 019926	Mm.274981	X	9.757	9.373	10.107	9.537	9.369	9.812	9.560	9.033	9.156	9.339	8.871	9.246	8.829	9.149	9.498	10.044	9.579	9.523	9.705	9.628	9.411	9.617
1416935	at	Trp2	NM 011706	Mm.288064	11	7.131	8.024	7.007	7.121	7.388	7.163	7.241	7.494	8.155	7.766	7.555	7.322	7.858	7.990	7.365	7.031	7.169	7.309	7.284	7.219	7.209	7.282
1416936	at	AatK	NM 007377	Mm.6826	11	7.239	6.904	6.930	7.218	7.058	7.000	7.090	7.134	7.105	7.071	7.191	7.006	7.247	7.125	7.024	7.090	7.118	7.316	7.163	7.117	7.146	7.065
1416937	at	Gabara9	BC024621	Mm.272460	11	12.274	12.294	12.116	12.221	12.352	12.233	12.163	12.086	12.493	12.559	12.133	12.395	12.558	12.388	12.197	12.124	12.228	12.270	12.264	12.251	12.167	12.079
1416938	at	B3aat1	NM 026456	Mm.28996	19	11.343	12.287	10.220	10.278	10.181	10.927	11.020	11.765	11.392	10.958	11.357	11.342	10.935	10.395	10.952	10.548	12.254	11.549	11.526	11.064	11.570	11.024
1416939	at	Ppa1	NM 026438	Mm.28897	10	10.640	10.885	10.441	10.243	10.520	10.637	11.040	10.847	10.677	10.603	10.755	10.498	10.372	10.738	10.259	10.548	10.697	10.611	10.551	10.353	10.619	10.603
1416940	at	Ppil	NM 134084	Mm.41656	14	11.819	11.836	11.645	11.840	11.866	12.159	12.106	12.050	11.442	11.512	11.896	11.791	11.583	11.783	11.799	11.812	12.356	12.405	12.076	12.229	12.548	11.798
1416941	s at	Elf4h	NM 033561	Mm.27955	5	12.858	13.196	12.888	12.930	12.908	12.896	12.828	12.955	12.985	12.942	12.916	12.894	12.884	13.107	12.863	12.890	13.021	12.990	12.918	12.877	12.958	12.974
1416942	at	Era1	NM 030711	Mm.83526	13	8.329	8.166	8.286	8.272	8.108	8.436	8.618	8.268	7.880	8.234	8.199	8.088	8.045	8.300	8.185	8.459	8.206	8.101	8.446	8.295	8.296	8.424
1416943	at	Ube2e1	NM 009455	Mm.4429	14	10.654	11.080	10.692	10.722	10.822	10.795	10.646	10.954	10.908	10.765	10.711	10.993	10.887	10.815	10.850	10.753	10.925	10.852	10.727	10.464	10.897	10.933
1416944	a at	Tik2	NM 011903	Mm.162676	11	8.076	8.111	8.230	8.123	8.253	8.287	8.270	8.226	8.043	8.282	8.320	8.438	8.153	8.062	8.242	8.306	8.280	8.275	8.317	8.066	8.147	8.381
1416945	at	Soy2	NM 133949	Mm.205266	9	9.038	9.029	9.054	9.213	9.026	9.156	9.043	8.929	8.844	8.942	8.698	9.121	8.969	8.539	8.921	8.951	9.352	9.259	9.180	9.163	9.282	9.111
1416947	s at	Aca1a1	NM 130864	Mm.205266	9	11.117	11.111	11.025	11.249	11.109	11.130	11.121	11.330	11.048	11.052	10.895	11.405	11.165	10.870	11.301	11.081	11.598	11.634	11.318	11.300	11.482	11.101
1416948	at	Mrlp21	NM 011288	Mm.12144	7	11.556	11.434	11.355	11.381	11.413	11.392	11.348	11.745	1													

1416993	at	Coc4	NM	133973	Mm.272930	8	9.716	9.867	9.959	9.904	9.915	9.797	9.793	9.846	9.866	10.069	9.948	9.998	9.872	9.745	9.902	9.876	10.078	10.107	10.161	10.003	9.949	9.981	9.912	
1416994	at	Ttc1	NM	133795	Mm.271974	11	7.950	8.081	7.751	7.871	7.835	7.680	7.887	8.285	8.277	7.835	7.823	8.324	7.977	7.762	7.858	7.725	8.424	8.337	7.997	7.816	8.101	8.456	7.958	7.726
1416995	at	Pascin3	NM	030880	Mm.236650	2	10.429	11.059	10.511	10.460	10.749	10.560	10.539	11.008	10.879	11.080	10.800	11.005	10.978	10.881	10.941	10.717	10.830	10.808	10.735	10.820	10.890	10.616	10.538	10.695
1416996	at	Tbc1d8	BC005421	Mm.387293	1	8.186	7.955	8.191	7.976	8.139	8.238	8.298	8.015	8.360	8.201	8.180	8.104	8.179	8.211	7.974	8.123	8.225	8.573	8.131	7.977	8.216	8.188	8.415	8.047	7.931
1416997	a at	Hsp91	NM	010404	Mm.281700	11	7.289	7.465	7.423	7.263	7.287	7.206	5.175	7.270	7.080	6.995	7.287	7.179	7.126	7.149	7.238	7.219	7.200	7.171	7.315	7.242	7.240	7.215	7.058	
1416998	at	Rrs4	NM	021511	Mm.290611	9	9.817	10.043	10.059	9.883	9.954	10.044	9.848	9.623	9.133	9.714	10.182	9.574	9.447	9.753	9.913	10.004	9.849	9.871	10.015	10.016	9.966	9.872	10.159	10.210
1416999	at	Smpd2	NM	090213	Mm.953	10	10.202	9.952	10.304	10.199	10.175	10.302	10.290	10.681	9.924	9.959	10.127	10.349	10.147	9.997	10.310	10.304	10.279	10.575	10.775	10.699	10.711	10.487	10.344	10.249
1417000	at	Abt1	NM	030251	Mm.166858	6	8.639	8.689	8.818	8.754	8.754	8.686	8.456	8.466	8.538	8.783	8.270	8.906	8.766	8.486	8.856	8.719	8.896	8.945	8.889	8.904	8.813	8.862	8.786	8.723
1417001	a at	D4Wsu53e	BE447520	Mm.331964	4	11.984	11.831	12.241	12.169	12.271	11.917	11.845	11.837	11.836	11.944	12.028	11.585	11.530	11.975	12.072	11.835	11.772	11.398	11.381	11.845	11.982	12.166	11.454		
1417002	at	0610012G03Rik	BC021536	Mm.347369	16	11.107	11.378	11.270	11.451	11.373	11.197	11.203	11.779	11.358	11.257	11.215	11.491	11.209	11.103	11.255	11.199	11.983	12.001	11.439	11.655	11.865	11.837	11.245	11.231	
1417003	at	0610012G03Rik	BC021536	Mm.347369	16	7.646	7.204	7.734	7.591	7.370	7.682	7.659	7.342	7.092	7.395	7.256	7.442	7.152	7.268	7.470	7.845	7.642	7.907	7.748	8.138	7.691	7.449	8.126	7.820	
1417004	at	Tsm101	NM	021884	Mm.241334	7	10.704	10.733	10.836	10.733	10.584	10.808	10.722	10.582	10.556	10.767	10.616	10.689	10.698	10.649	10.798	10.883	10.680	10.669	10.790	10.760	10.732	10.687	10.685	10.794
1417005	at	Klc1	AU021035	Mm.234266	15	7.341	8.106	7.300	7.585	8.068	7.439	7.209	7.506	8.172	8.354	7.713	8.440	8.201	7.718	7.465	7.345	7.370	7.211	7.198	7.243	7.198	7.077	7.019	6.933	
1417006	at	Gsm4d4	NM	025417	Mm.41687	9	9.241	9.954	9.415	9.599	9.584	9.634	9.617	9.577	9.335	10.080	9.858	9.439	9.647	9.700	9.779	9.472	9.306	9.608	9.579	9.618	9.493	9.543	9.452	9.309
1417007	a at	Vps4b	NM	009190	Mm.18705	1	11.085	11.531	11.340	11.178	11.305	11.519	11.344	11.373	11.439	11.552	11.165	11.426	11.321	11.622	11.564	11.356	11.034	11.097	11.253	11.150	11.001	11.212	11.306	11.100
1417008	at	Crat	BC006668	Mm.20396	2	11.573	10.860	11.364	11.594	11.115	11.432	11.313	11.035	10.401	10.689	10.911	10.847	10.607	10.542	11.012	11.404	11.831	11.837	11.655	11.607	11.683	11.588	11.491	11.582	
1417009	at	C1r	NM	023143	Mm.333375	6	7.863	7.644	7.623	8.067	8.312	8.125	8.047	8.068	7.839	8.067	7.801	8.367	8.271	7.888	7.988	7.451	8.245	7.907	7.871	7.341	8.132	8.501	7.266	7.558
1417010	at	Zfp238	NM	013915	Mm.330700	1	10.328	10.094	10.341	10.681	10.233	10.483	10.609	9.990	9.886	10.110	9.922	10.118	9.920	10.127	10.211	10.298	10.510	10.556	10.567	10.490	10.417	10.401	10.403	10.555
1417011	at	Hsp2	AU021035	Mm.234266	15	8.889	9.326	8.852	8.956	9.654	9.274	8.949	9.075	9.294	9.548	9.000	9.679	9.687	9.387	9.300	8.749	8.593	8.475	8.718	8.350	8.347	8.766	8.041	8.409	
1417012	at	Sdc2	AU021035	Mm.234266	15	7.341	8.106	7.300	7.585	8.068	7.439	7.209	7.506	8.172	8.354	7.713	8.440	8.201	7.718	7.465	7.345	7.370	7.211	7.198	7.243	7.198	7.077	7.019	6.933	
1417013	at	Ssb8	AF250139	Mm.21549	5	12.774	12.900	12.735	12.928	12.914	12.617	12.793	12.898	12.617	12.935	13.520	13.101	12.955	12.970	13.022	12.829	12.877	13.078	12.810	12.998	12.914	12.586	12.980	13.039	
1417014	at	Hspb8	AF250139	Mm.21549	5	9.838	9.940	9.913	9.989	9.806	9.868	9.881	10.128	9.495	10.040	10.917	10.272	9.960	10.096	10.214	10.111	10.018	10.211	10.135	10.300	10.096	9.637	10.076	10.340	
1417015	at	Rassf3	BB703307	Mm.41265	10	5.929	6.227	6.217	6.506	6.304	6.550	6.351	6.196	6.080	6.130	6.308	6.228	6.358	6.198	6.251	6.259	5.901	6.156	6.314	6.250	6.160	6.091	6.135	6.328	
1417016	at	Mapkapk5	NM	010765	Mm.272206	5	9.971	10.066	9.948	10.363	10.072	10.116	10.099	10.137	9.744	9.809	9.888	10.108	9.945	9.600	9.807	9.934	10.572	10.319	10.122	10.164	10.554	10.545	10.109	10.189
1417017	at	Cvp17a1	NM	007809	Mm.122662	19	5.749	5.222	5.283	5.628	5.574	5.410	5.721	5.775	5.583	5.509	5.616	5.394	5.469	5.617	5.647	5.741	5.408	5.556	5.635	5.723	5.653	5.417	5.596	5.605
1417018	at	Efemp2	NM	021474	Mm.276367	9	9.044	10.267	9.048	9.189	8.869	9.543	9.161	9.116	10.727	10.571	9.784	9.972	10.262	10.539	9.778	9.059	8.296	8.956	9.180	8.755	8.552	8.512	8.666	8.746
1417019	a at	Cd61	NM	011789	Mm.301184	11	7.904	7.545	7.423	7.263	7.287	7.206	5.175	7.270	7.080	6.995	7.287	7.179	7.126	7.149	7.238	7.219	7.200	7.171	7.315	7.242	7.240	7.215	7.058	
1417020	at	Sclt3a1	NM	133711	Mm.45833	9	9.068	9.513	6.044	6.026	9.454	6.026	9.588	9.999	9.061	9.999	9.005	9.785	9.084	9.576	9.924	6.031	5.904	5.296	5.109	5.916	5.178	5.977	5.755	
1417021	a at	Spo11	NM	012046	Mm.23495	2	6.866	6.842	6.859	6.821	6.836	6.808	6.843	6.854	6.789	6.892	6.939	6.716	6.814	6.790	6.730	6.833	6.779	6.845	6.712	6.845	6.803	6.624	6.746	6.905
1417022	at	Sclt7a3	NM	007515	Mm.5140	X	6.791	6.367	6.305	6.429	6.223	6.371	6.387	6.394	6.610	6.413	6.401	6.373	6.435	6.376	6.314	6.363	6.250	6.500	6.287	6.442	6.309	6.263	6.606	6.333
1417023	a at	Fabp4	NM	020406	Mm.582	3	13.615	13.483	13.222	13.265	13.719	13.261	13.394	14.196	13.472	13.407	13.768	13.805	13.776	13.460	13.910	13.202	13.860	13.884	13.700	13.578	13.906	14.048	13.169	13.469
1417024	at	Hars	BC020088	Mm.10528	18	9.748	10.395	9.751	9.732	9.774	9.842	9.771	9.462	10.069	10.040	9.901	9.920	9.802	10.133	9.645	9.734	9.615	9.777	9.977	9.677	9.498	9.571	9.552	9.788	
1417025	at	H2-Eb1	NM	010382	Mm.22564	17	9.391	10.454	9.096	9.712	11.094	10.485	11.119	9.910	11.009	10.770	10.180	11.267	11.221	11.135	11.031	9.924	9.978	9.965	9.822	9.949	10.519	10.234	10.115	9.746
1417026	at	Pldm2	BC024693	Mm.301184	18	9.941	10.644	9.749	9.631	10.195	9.640	9.856	10.919	10.535	10.399	10.215	10.561	10.228	9.899	9.982	9.573	10.422	10.156	9.763	9.637	10.445	10.103	9.684	9.553	
1417027	at	Trim2	BB283676	Mm.44876	3	8.608	8.601	7.111	6.860	6.558	7.072	6.814	6.811	6.459	6.828	6.743	6.809	6.726	6.916	6.859	7.016	6.380	6.750	6.860	6.907	6.703	6.535	7.047	6.918	
1417028	a at	Trim2	BB283676	Mm.44876	3	8.608	8.601	7.111	6.860	6.558	7.072	6.814	6.811	6.459	6.828	6.743	6.809	6.726	6.916	6.859	7.016	6.380	6.750	6.860	6.907	6.703	6.535	7.047	6.918	
1417029	a at	Trim2	BB283676	Mm.44876	3	4.756	4.962	4.621	4.876	4.799	4.592	4.777	4.952	4.978	4.867	4.841	5.001	4.833	4.928	4.829	4.777	4.732	4.980	4.780	4.838	4.907	4.823	4.659	4.700	
1417030	at	Tmem206	NM	025864	Mm.236300	1	4.520	5.205	4.321	4.650	4.762	4.385	4.432	4.774	5.019	5.128	4.555	5.036	4.920	5.104	4.584	4.329	4.749	4.564	4.790	4.700	4.577	4.913	4.298	4.683
1417031	at	Tmem206	NM	025864	Mm.236300	1	6.485	6.757	6.347	6.602	6.346	6.309	6.351	6.253	6.507	6.483	6.464	6.249	6.426	6.414	6.391	6.431	6.441	6.300	6.562	6.530	6.411	6.312	6.415	6.328
1417032	at	Ube2a2	AF296657	Mm.458125	10	10.941	11.375	10.994	10.790	11.072	10.843	10.784	10.828	11.274	11.320	11.														

1417082	at	Anp32b	NM	130889	Mm.263913	4	10.500	11.216	10.450	10.415	10.901	10.610	10.578	10.811	11.010	11.001	11.049	11.085	11.098	10.814	10.346	10.592	10.611	10.521	10.297	10.658	10.727	10.613	10.412		
1417083	at	Sec61b	NM	024171	Mm.20188	4	10.258	11.646	10.045	10.292	10.788	10.337	10.325	10.853	11.669	11.110	10.786	11.025	11.052	11.565	10.521	10.344	10.437	10.338	9.869	10.342	10.324	10.734	9.702		
1417084	at	Elf4ebp2	NM	010124	Mm.259516	10	9.796	9.700	9.821	9.807	9.600	9.815	9.688	9.532	9.402	9.680	9.541	9.476	9.427	9.660	9.613	9.763	9.943	9.980	9.938	9.941	9.795	9.781	10.094	9.910	
1417085	at	Akr1c6	NM	030611	Mm.196666	13	6.093	5.837	6.055	5.895	6.104	6.062	6.028	5.987	5.912	5.703	6.030	5.801	5.864	5.900	5.932	6.019	5.915	5.795	5.996	6.175	6.019	5.938	5.907	9.964	
1417086	at	B5gahb1b	BE589393	Mm.371111	13	9.257	9.895	9.587	9.157	9.853	9.451	9.155	8.730	9.056	9.267	9.313	8.907	8.742	9.402	9.082	8.644	8.632	8.789	8.820	9.306	8.614	8.686	9.376	9.483		
1417087	at	Gag1	BC074127	Mm.276111	8	10.628	10.713	10.745	10.995	11.061	11.181	10.862	10.491	10.720	10.873	10.569	10.850	10.780	10.772	10.900	10.896	10.931	10.755	10.900	10.861	10.731	10.888	10.874	10.921		
1417088	at	Zfp346	AW493043	Mm.22795	13	9.299	8.822	9.412	9.166	8.936	9.037	9.228	8.966	8.771	8.944	8.645	9.245	9.061	8.860	8.991	9.407	9.737	9.603	9.412	9.387	9.213	9.155	9.306	9.091		
1417089	a	at	Ckmt1	NM	009897	Mm.252145	2	5.201	5.044	5.114	5.061	5.304	5.144	4.984	5.179	5.555	5.478	5.135	6.052	6.034	5.023	5.402	5.128	5.027	4.917	5.224	5.068	5.127	4.780	4.893	5.182
1417090	at	Rcn1	NM	009037	Mm.4876	2	9.470	10.835	9.646	9.583	10.080	10.047	9.952	9.493	10.101	10.109	10.013	10.132	10.398	10.959	10.266	9.726	8.906	9.182	9.609	9.319	8.972	9.048	9.599	9.609	
1417091	at	Chuk	NM	007700	Mm.3996	19	8.764	8.659	8.560	8.626	8.657	8.617	8.650	8.813	8.577	8.707	8.598	8.642	8.622	8.744	8.607	8.793	8.716	8.597	8.779	8.781	8.753	8.895	8.771	8.804	
1417092	at	Pthr1	BC013446	Mm.3542	7	7.597	7.347	7.672	7.660	7.716	7.691	7.225	7.616	8.186	8.193	6.998	8.122	8.068	7.453	7.627	7.527	7.834	7.734	7.831	7.937	7.423	7.094	7.493	7.249	7.408	
1417093	a	at	Gfzf24	NM	010364	Mm.10182	17	6.530	7.200	6.467	6.722	6.428	6.254	6.546	6.595	6.597	6.605	6.337	6.784	6.538	6.559	6.110	6.444	6.783	6.989	6.567	6.432	6.628	6.691	6.319	6.465
1417094	at	Acot1	NM	133348	Mm.296191	4	10.042	10.553	9.929	10.254	9.953	9.987	10.178	10.489	10.034	9.848	9.790	10.440	10.117	10.021	10.012	9.973	10.418	10.772	10.360	10.384	10.611	10.336	9.769	9.851	
1417095	a	at	Hspa14	NM	015765	Mm.89341	2	6.835	7.141	7.076	6.827	6.991	6.957	6.871	7.204	7.177	7.181	6.698	7.245	6.897	7.208	7.019	6.822	7.145	7.326	7.136	6.858	6.918	7.146	6.812	7.047
1417096	at	Rrp15	NM	026041	Mm.289841	1	8.460	9.232	8.448	8.588	8.652	8.575	8.747	8.610	8.769	8.562	8.408	8.633	8.343	9.027	8.653	8.522	8.543	8.612	8.690	8.411	8.718	8.590	8.776	8.561	
1417097	at	Mecr	NM	025297	Mm.192706	4	8.179	7.860	7.938	8.123	8.000	7.883	8.117	7.771	7.769	8.045	8.071	8.121	7.982	7.996	8.048	7.987	8.346	8.158	8.186	8.160	8.218	8.098	8.076	8.025	
1417098	s	at	Mecr	NM	025297	Mm.192706	4	8.171	8.619	8.659	8.630	8.709	8.626	8.683	8.545	8.447	8.717	8.654	8.842	8.627	8.464	8.756	8.700	8.981	9.087	8.919	9.018	8.836	8.907	8.619	8.796
1417099	at	Ftsj1	NM	033991	Mm.327529	X	9.002	9.225	8.766	8.929	8.900	8.810	8.878	9.105	9.107	9.024	8.821	9.100	8.953	8.856	8.871	8.787	9.339	9.210	9.046	8.784	9.014	9.143	8.780	8.896	
1417100	at	Cd320	AV336016	Mm.11175	17	8.705	8.680	8.726	8.532	8.493	8.485	8.698	8.814	8.671	8.647	8.734	8.693	8.531	8.539	8.754	8.757	8.714	8.997	8.720	8.666	8.779	8.643	8.508	8.627	8.627	
1417101	at	Hspa2	BC004714	Mm.296181	12	7.980	8.362	7.652	7.932	8.282	8.170	7.582	7.936	8.412	8.426	7.974	8.396	8.296	7.953	8.124	7.788	7.518	7.463	7.591	7.645	7.631	7.561	7.766	7.537	7.537	
1417102	a	at	Ndufb5	BC025155	Mm.28058	3	13.611	13.217	13.207	13.548	13.350	13.501	13.567	13.639	13.060	13.103	13.735	13.301	13.070	13.189	13.281	13.470	13.686	13.655	13.527	13.448	13.361	13.671	13.569	13.611	
1417103	at	Ddt	NM	010027	Mm.289847	10	9.841	9.525	9.859	9.709	9.625	9.619	9.742	10.264	9.571	9.386	9.248	9.693	9.597	9.060	9.182	9.704	10.791	10.508	9.885	9.880	10.414	10.672	9.604	9.521	
1417104	at	Emp3	BC001999	Mm.20829	7	9.129	10.317	9.202	9.423	9.605	9.613	9.381	9.398	10.372	10.111	9.573	9.742	9.932	10.305	9.320	9.092	9.128	9.158	9.262	8.729	8.884	9.007	8.822	8.793	8.793	
1417105	at	Trappc21	NM	021502	Mm.38746	8	9.705	9.710	9.507	9.624	9.678	9.506	9.558	10.278	9.797	9.584	9.628	9.957	9.766	9.447	9.587	9.383	10.582	10.273	9.754	9.807	10.325	10.491	9.570	9.425	
1417106	at	Tpd5212	NM	025482	Mm.136648	2	9.643	9.931	9.521	9.747	9.638	9.604	9.729	9.891	9.950	9.865	9.918	9.925	9.866	9.777	9.690	9.516	9.838	9.805	9.562	9.458	9.834	9.976	9.674	9.386	
1417107	at	Tpd5212	NM	025482	Mm.136648	2	8.534	8.662	8.502	8.594	8.893	8.853	8.604	8.561	8.660	8.609	8.629	8.578	8.585	8.735	8.776	8.695	8.551	8.524	8.448	8.660	8.734	8.458	8.737	8.597	8.676
1417108	at	Rfx4	NM	026991	Mm.156999	17	8.311	8.527	8.959	8.929	8.953	8.865	8.585	8.525	8.552	8.525	8.545	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512	8.512
1417109	at	Tinaal1	BC005738	Mm.135681	10	10.572	10.699	10.194	10.042	10.499	10.597	10.957	10.107	10.506	11.523	10.411	10.310	10.576	10.140	10.206	10.149	10.019	9.910	9.885	10.454	10.479	10.479	10.479	10.479	10.479	10.479
1417110	at	Man1a	BB070019	Mm.117294	10	10.184	10.748	10.216	10.067	10.117	9.963	9.994	10.190	10.607	10.567	10.589	10.143	10.328	10.597	10.223	10.247	9.839	9.734	9.960	9.664	9.897	10.056	10.010	10.151	10.151	
1417111	at	Man1a	BB070019	Mm.117294	10	10.679	10.838	10.840	10.638	10.867	10.711	10.588	10.735	10.778	10.920	10.709	10.926	10.946	10.938	10.989	10.827	10.643	10.383	10.668	10.462	10.420	10.878	10.546	10.761	10.761	
1417112	at	Arl2bp	NM	024191	Mm.393247	8	11.597	11.696	11.697	11.480	11.502	11.549	11.637	11.580	11.227	11.568	11.485	11.588	11.704	11.729	11.606	11.723	11.161	11.354	11.716	11.594	11.090	11.391	11.390	11.383	
1417113	at	Gmcl1	AF163665	Mm.321452	6	8.982	9.278	9.054	9.171	9.164	9.245	9.165	8.808	9.398	9.381	8.950	9.078	9.367	9.374	9.227	9.243	8.891	8.942	9.052	9.148	8.982	8.870	9.115	9.012	9.012	
1417114	at	Gmcl1	AF163665	Mm.321452	6	6.687	7.250	7.189	7.173	7.230	7.375	7.319	6.259	7.124	7.729	6.908	7.108	7.285	7.569	7.607	7.145	6.119	6.953	7.246	7.051	6.499	6.019	7.076	7.197	7.197	
1417115	at	Mag3k12	NM	009582	Mm.172897	15	8.372	8.384	8.420	8.311	8.798	8.425	8.466	8.712	8.639	8.745	8.130	8.693	8.714	8.582	8.549	8.399	8.232	8.509	8.520	8.556	8.314	8.195	8.330	8.453	
1417116	at	Polr2b	BC029216	Mm.295953	X	12.961	12.202	12.883	12.753	12.987	12.938	12.945	12.940	12.945	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	12.951	
1417117	at	Cstf1	NM	024199	Mm.26944	2	6.360	6.148	6.179	6.304	6.430	6.168	6.164	6.129	6.294	6.418	6.499	6.175	6.409	6.246	6.281	6.291	6.396	6.088	6.162	6.411	6.232	6.124	6.236	6.254	
1417118	a	at	Ard1a	NM	019870	Mm.305796	X	8.270	8.315	8.261	8.348	8.212	8.265	8.238	8.575	8.364	8.010	8.328	8.284	8.158	8.194	8.079	8.140	8.919	8.581	8.383	8.247	8.496	8.732	8.163	8.146
1417119	at	Zfp1	NM	024231	Mm.289471	19	7.509	7.773	7.374	7.619	7.659	7.337	7.331	7.608	7.750	7.861	7.353	7.642	7.750	7.558	7.405	7.351	7.691	7.645	7.466	7.434	7.639	7.456	7.740	7.622	
1417120	at	D4Wsu114e	NM	133873	Mm.250504	4	8.303	8.425	8.374	8.337	8.161	8.266	8.427	8.406	8.300	8.233	8.203	8.435	8.554	8.576	8.161	8.240	8.355	8.341	8.307	8.350	8.306	8.193	8.265	8.278	
1417121	at	Gabra6	NM	008068	Mm.4915																										

1417171	at	Itk	NM 010583	Mm.339927	11	6.156	5.693	5.857	5.945	5.950	5.714	5.879	5.944	5.857	5.987	5.969	5.706	6.156	5.770	5.787	5.954	5.983	5.671	5.927	5.845	6.136	5.656	5.992	5.830	
1417172	at	Ube2l6	BC008238	Mm.38261	2	5.549	5.827	5.899	5.598	5.649	5.598	5.707	6.064	5.766	5.936	6.253	5.927	5.900	5.538	5.913	5.609	5.713	5.621	5.764	5.590	5.864	5.665	5.437	5.831	
1417173	at	Creb1	BC013534	Mm.4068	17	6.954	7.042	6.747	6.886	7.118	6.978	6.968	6.984	7.532	7.327	7.002	7.275	7.199	7.294	7.021	7.047	6.629	6.690	6.998	6.769	6.779	7.051	7.050	6.957	
1417174	at	Tmem218	NM 025464	Mm.41451	9	8.760	8.886	9.066	8.976	9.063	9.174	8.882	8.988	8.141	8.858	8.963	8.263	8.867	8.856	8.450	8.887	9.173	8.909	9.035	9.033	9.078	8.516	8.590	8.917	
1417175	at	Csk1e	BE952001	Mm.30199	15	9.432	9.298	9.272	9.475	9.286	9.261	9.215	9.082	9.289	9.516	9.353	9.525	8.492	9.087	9.317	9.364	9.359	9.331	9.354	9.325	9.159	9.482	9.385	9.478	
1417176	at	Galk1	BE952001	Mm.30199	15	9.915	9.730	9.949	9.976	9.755	9.857	9.640	8.992	9.793	9.914	8.987	10.073	10.028	9.668	9.873	9.916	10.217	9.832	9.700	9.824	9.997	10.071	9.810	9.997	
1417177	at	Galk1	NM 016905	Mm.2820	11	8.635	9.026	8.357	8.454	8.747	8.462	8.445	8.679	8.965	8.957	8.569	8.733	8.816	8.784	8.469	8.282	8.796	8.671	8.329	8.397	8.569	8.617	8.870	8.138	
1417178	at	Gipc2	NM 016867	Mm.97	3	7.798	7.052	7.452	7.636	7.413	7.069	7.029	7.394	7.373	7.290	7.691	7.458	7.621	7.501	7.297	7.492	7.301	7.545	7.485	7.431	7.058	7.009	7.024	6.901	
1417179	at	Tspan5	NM 019571	Mm.31927	3	8.178	8.456	8.427	8.403	8.205	8.617	8.385	8.402	8.789	8.861	8.536	8.795	8.687	8.608	8.952	8.320	8.208	8.436	8.424	8.331	8.558	8.419	8.571	8.498	
1417180	at	Pcsk7	NM 008794	Mm.3255	9	8.974	8.925	9.006	8.985	8.797	9.000	8.873	8.894	8.887	8.779	8.977	9.058	8.794	8.869	9.012	8.987	8.935	9.086	9.038	8.979	8.821	8.928	8.960	9.002	
1417181	a	at	Kifap3	AV213603	Mm.4651	1	9.043	9.328	8.990	8.950	9.179	9.223	9.145	9.138	9.144	9.070	8.818	9.470	9.373	8.925	9.280	9.131	9.380	9.085	9.184	9.043	9.297	9.277	9.112	
1417182	at	Dnaia2	C77509	Mm.475895	8	10.383	9.927	10.847	10.535	10.480	10.524	10.335	10.312	9.736	9.720	9.962	10.466	10.206	10.054	10.309	10.760	10.246	10.374	10.449	10.581	10.272	10.491	10.374	10.436	
1417183	at	Dnaia2	C77509	Mm.475895	8	11.353	10.836	11.632	11.450	11.033	11.419	11.264	10.826	10.458	11.017	11.177	11.016	10.827	10.949	11.310	11.733	10.730	10.727	10.978	11.217	11.011	11.028	11.497	11.658	
1417184	s	at	Hbb-b2	BC027434	Mm.288567	7	13.699	13.772	14.289	13.922	14.194	13.574	13.735	14.280	14.648	14.507	14.481	13.823	13.766	14.404	13.844	14.328	14.231	14.254	13.847	14.052	14.358	14.302	13.933	
1417185	at	Ly6a	BC002070	Mm.425949	15	13.739	13.443	13.751	13.503	13.428	13.456	13.816	13.740	13.269	13.433	13.969	13.325	13.452	13.772	13.601	13.764	13.038	13.169	13.407	13.326	13.372	13.375	13.707	13.567	
1417186	at	Ube2k	Ai551201	Mm.319512	5	11.459	11.822	11.536	11.518	11.438	11.593	11.614	11.552	11.608	11.467	11.528	11.521	11.337	11.630	11.412	11.547	11.434	11.640	11.606	11.565	11.503	11.511	11.471	11.580	
1417187	at	Ube2k	Ai551201	Mm.319512	5	6.902	6.645	6.566	6.643	6.833	6.507	6.787	6.752	6.536	6.432	6.663	6.380	6.708	6.916	6.550	6.690	6.671	6.608	6.633	6.700	6.879	6.645	6.757	6.678	
1417188	s	at	Ube2k	Ai551201	Mm.319512	5	6.307	6.534	6.234	6.102	6.151	6.056	6.032	6.164	6.077	6.320	6.366	6.047	6.066	6.288	5.995	6.134	6.141	6.452	6.256	6.272	6.122	6.106	6.175	
1417189	at	Psm2	NM 011190	Mm.371573	14	11.073	11.300	11.162	11.189	11.143	11.318	12.254	11.415	11.071	11.142	11.219	11.320	11.125	11.213	11.054	11.103	11.566	11.419	11.228	11.210	11.488	11.612	11.070	10.968	
1417190	at	Nampt	AW994014	Mm.202727	12	10.854	9.795	11.176	11.174	9.978	11.084	11.009	9.570	8.857	9.387	9.510	10.108	9.882	10.122	10.388	11.103	10.431	10.273	10.400	10.666	10.680	10.775	11.151	11.183	
1417191	at	Dnaib9	NM 013760	Mm.27432	12	11.978	11.809	11.800	11.623	11.470	11.862	11.815	11.520	11.388	11.716	11.267	11.728	11.122	11.673	11.868	11.836	11.695	11.633	11.653	11.751	11.882	11.903	12.112	12.094	
1417192	at	Tomm70a	NM 138599	Mm.213292	16	8.899	9.686	8.753	8.732	8.778	8.749	9.027	9.417	9.289	9.426	9.297	9.035	8.878	9.292	8.872	8.861	8.864	8.801	8.807	8.517	8.827	9.069	8.663	8.950	
1417193	at	Sod2	NM 013671	Mm.290876	17	13.808	13.544	13.745	13.858	13.768	13.744	13.699	13.109	13.279	13.603	13.536	13.302	13.286	13.477	13.838	13.902	13.885	13.826	13.809	13.896	13.793	13.766	13.661	13.831	
1417194	at	Sod2	NM 013671	Mm.290876	17	8.347	7.741	8.600	8.377	7.817	8.351	8.258	8.069	7.708	7.583	8.007	7.713	7.479	7.822	7.823	8.609	8.354	8.419	8.381	8.404	8.164	8.164	8.361	8.674	
1417195	at	Wwc2	NM 133791	Mm.235074	8	7.187	7.644	7.182	7.169	7.598	7.001	7.238	7.706	7.723	7.841	7.493	8.038	7.848	7.602	7.558	7.391	7.260	7.245	6.943	6.990	7.485	7.561	7.386	7.412	
1417196	s	at	Wwc2	NM 133791	Mm.235074	8	9.143	9.458	9.073	8.948	9.257	9.808	9.050	9.467	9.397	9.619	9.094	9.687	9.612	9.451	9.640	8.999	8.988	8.959	8.879	8.746	9.138	9.251	9.153	
1417197	at	Wwc2	NM 133791	Mm.235074	8	6.962	6.980	6.667	6.580	6.616	6.367	6.580	6.628	6.666	6.580	6.606	6.741	6.597	6.585	6.606	6.741	6.597	6.585	6.606	6.741	6.597	6.585	6.606	6.741	
1417198	at	Wwc2	NM 133791	Mm.235074	8	5.219	5.335	5.242	5.113	5.238	5.385	5.291	5.291	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	5.384	
1417199	at	Tmem183a	NM 007779	Mm.393140	1	8.813	9.060	8.588	8.716	8.864	8.852	8.669	8.741	9.248	9.039	8.735	8.844	9.003	9.080	8.839	8.630	8.512	8.476	8.731	8.637	8.355	8.620	8.535	8.738	
1417200	at	Tmem183a	AK007779	Mm.393140	1	9.139	10.167	9.041	9.001	9.133	8.964	9.094	9.022	10.155	10.080	9.688	9.577	9.588	10.047	9.307	9.071	8.554	8.589	9.040	8.698	8.610	8.570	9.039	9.128	
1417201	at	Nt5c	Bi202534	Mm.248652	19	9.123	9.095	9.253	8.873	8.889	9.884	9.034	8.855	9.228	9.154	9.294	8.908	8.663	9.158	9.002	9.158	8.849	8.955	8.998	8.946	8.692	8.788	9.001	9.086	
1417202	s	at	Uba3	NM 011666	Mm.277626	6	10.786	11.262	11.153	10.719	10.729	11.026	10.939	10.788	10.605	11.049	10.598	10.884	10.597	10.877	10.773	10.957	10.573	10.750	10.854	10.810	10.672	10.770	10.691	10.941
1417203	at	Ethe1	BC010592	Mm.29553	7	10.000	10.181	9.786	10.012	9.952	9.970	10.092	10.263	9.884	9.768	9.907	10.050	9.756	9.682	9.859	9.764	10.540	10.659	10.230	10.287	10.449	10.294	9.999	10.020	
1417204	at	Kdelr2	AJ278133	Mm.181880	5	10.526	11.480	10.439	10.507	10.840	10.446	11.291	10.979	10.721	10.700	11.003	11.279	10.675	10.483	10.239	10.438	10.645	10.182	10.264	10.204	10.294	10.268	10.314	10.268	
1417205	at	Urod	NM 009478	Mm.46484	4	8.802	9.054	8.619	8.636	9.098	8.646	8.639	8.534	9.391	8.847	9.203	8.917	9.232	9.232	8.953	11.103	10.431	9.827	8.849	8.849	8.849	8.849	8.849	8.849	
1417206	at	Urod	NM 009478	Mm.46484	4	9.717	9.584	9.732	9.706	9.690	9.681	9.611	9.697	9.615	9.928	9.744	9.332	9.615	9.665	10.245	10.180	9.913	9.898	10.125	10.150	10.684	9.591	9.684	9.591	
1417207	at	Dvl2	BF466091	Mm.5114	11	6.534	6.674	6.499	6.584	6.539	6.652	6.624	6.415	6.756	6.732	6.652	6.738	6.696	6.749	6.699	6.598	6.614	6.950	6.770	6.639	6.333	6.639	6.421		
1417208	at	Amacr	NM 008537	Mm.2787	15	8.094	7.991	8.693	8.642	8.229	8.686	8.471	7.792	7.522	7.619	8.205	8.374	8.157	8.268	7.762	8.860	8.151	8.178	8.347	8.397	8.154	8.287	8.119	8.180	
1417209	at	Sertad2	NM 021372	Mm.339676	11	9.589	9.749	9.506	9.715	9.697	9.718	9.677	9.730	9.757	9.572	9.750	9.788	9.699	9.564	9.597	9.584	9.923	9.998	9.784	9.917	9.866	9.999	9.955	9.767	
1417210	at	Elf2s3v	NM 012011	Mm.250990	Y	9.418	9.363	9.754	9.494	9.316	9.444	9.653	9.469	9.125	9.500	9.125	9.649	9.110	9.147	9.518	9.938	9.431	9.442	9.413	9.213	9.444	9.910	9.435	9.591	
1417211																														

1417260	at	U2af2	NM	133671	Mm.360389	7	11.791	11.965	11.693	11.801	11.803	11.733	11.771	11.963	11.731	11.736	11.974	11.685	11.672	11.711	11.786	11.861	11.763	11.698	11.677	11.874	11.642				
1417261	at	Mbt1d	NM	134012	Mm.210334	11	6.640	6.300	6.505	6.379	6.483	6.564	6.593	6.543	6.385	6.331	6.485	6.569	6.466	6.342	6.504	6.540	6.566	6.805	6.611	6.754	6.781	6.673	6.581	6.570	
1417262	at	Ptss2	M94967	Mm.292547	1	7.245	8.598	9.960	5.994	7.117	7.508	6.970	6.714	7.828	7.428	10.088	6.367	5.985	7.637	7.015	7.223	5.582	5.350	5.498	5.211	5.390	4.921	6.357	6.654		
1417263	at	Ptss2	M94967	Mm.292547	1	5.225	5.766	5.997	5.556	5.460	5.747	6.023	5.674	5.720	5.452	6.322	5.286	5.547	5.848	5.836	5.650	5.543	5.688	5.592	5.867	5.652	5.569	5.817	5.768		
1417264	at	Cos5	AK014348	Mm.290142	5	11.357	11.157	11.361	11.323	11.182	11.374	11.514	11.542	10.608	10.428	11.255	11.053	10.486	10.925	10.973	11.235	11.584	11.559	11.451	11.493	11.483	11.716	11.377	11.360		
1417265	at	Cos5	AK014348	Mm.290142	5	10.183	10.167	10.157	10.125	10.112	10.198	10.342	10.162	9.751	10.006	10.289	10.107	9.691	9.948	10.047	10.286	10.113	10.267	10.361	10.346	10.152	10.109	10.118	10.347		
1417266	at	Ccl6	BC002743	Mm.137	11	10.650	11.547	10.930	10.669	10.771	10.718	10.747	10.002	10.966	10.675	11.092	9.331	9.911	12.146	10.662	10.900	8.803	9.686	10.822	9.431	9.822	9.868	11.168	11.123		
1417267	s	at	Fkbp11	NM	024169	Mm.307729	15	6.816	7.865	6.457	6.896	7.276	6.514	7.056	7.640	8.103	7.351	7.079	7.468	7.344	7.706	6.812	6.433	7.077	6.763	6.427	6.978	6.937	7.296	6.618	6.848
1417268	at	Cd14	NM	009841	Mm.3460	18	9.919	10.584	9.489	9.680	10.343	9.977	10.018	9.605	10.758	10.309	11.108	10.492	10.787	10.002	9.548	9.108	9.184	9.396	9.258	9.365	9.524	10.32	10.368		
1417269	at	Cdk9	NM	130860	Mm.27557	2	9.941	10.237	10.064	9.938	10.148	10.124	9.899	9.847	10.318	10.159	10.138	10.366	10.350	10.172	10.193	9.953	10.157	10.154	10.167	9.961	10.020	10.116	9.892	9.862	
1417270	at	Wdr12	NM	021312	Mm.281079	1	6.003	6.277	5.996	5.794	5.981	5.923	5.885	5.821	5.892	5.996	5.572	6.039	5.735	5.826	5.598	5.900	5.656	5.815	5.873	5.778	5.921	6.181	5.942	5.963	
1417271	a	at	End	NM	007932	Mm.225297	2	10.958	11.035	10.965	11.016	11.070	10.970	10.882	11.066	11.029	11.142	11.231	10.983	11.091	11.097	10.973	10.980	10.841	10.974	10.957	10.868	10.770	10.636	10.774	
1417272	at	P130005N14Rik	NM	026667	Mm.258545	5	9.142	10.277	9.236	9.319	10.052	9.817	9.303	9.713	10.693	10.524	9.603	10.456	10.494	10.445	10.099	9.231	9.459	9.604	9.546	9.202	9.91	9.308	9.666	9.058	
1417273	at	Pdk4	NM	031743	Mm.235547	6	13.374	11.961	11.857	11.651	12.079	12.426	12.688	13.441	11.708	12.234	13.384	12.478	12.663	12.033	13.876	11.874	10.188	13.210	13.739	13.244	14.176	13.704	13.346	14.001	
1417274	at	Snrpa	NM	015782	Mm.386890	7	9.469	9.829	9.227	9.375	9.549	9.301	9.372	9.809	10.035	9.582	9.585	9.493	9.663	9.662	9.237	9.179	9.836	9.881	9.525	9.374	9.830	9.501	9.267	9.119	
1417275	at	Mal	NM	010762	Mm.39040	2	9.182	10.865	9.640	9.187	9.264	8.710	8.559	9.317	11.218	10.979	8.530	9.953	9.754	9.933	9.367	9.603	8.570	8.716	8.918	8.828	8.564	8.769	8.797	9.095	
1417276	at	Cyp4f16	NM	008007	Mm.439742	7	4.892	4.554	4.703	4.660	4.612	4.546	4.686	4.636	4.698	4.486	4.615	4.594	4.747	4.615	4.520	4.738	4.547	4.659	4.511	4.736	4.688	4.572	4.678	4.615	
1417277	at	Tulp2	NM	024442	Mm.30504	17	7.826	8.359	7.904	7.937	7.978	7.879	7.957	7.981	8.468	8.256	7.770	8.266	8.133	8.375	7.806	7.608	8.033	8.193	8.153	7.872	7.860	7.723	7.775	7.619	
1417278	a	at	Nkx1	NM	027280	Mm.30219	8	4.836	4.773	4.634	4.764	4.697	4.709	4.662	4.774	4.802	4.866	4.824	4.737	4.760	4.691	4.856	4.758	4.692	4.617	4.674	4.518	4.669	4.914	4.627	4.654
1417279	at	Itrp1	NM	010585	Mm.2271912	6	7.329	7.938	7.765	7.756	7.854	7.876	7.661	7.645	7.749	7.938	7.838	7.851	7.835	8.044	7.867	7.843	7.764	7.704	7.858	7.922	7.616	7.618	7.904	7.852	
1417280	at	Scl17a1	NM	009198	Mm.2656	13	5.811	5.514	5.619	6.016	5.513	5.786	6.003	5.767	5.749	5.514	5.781	5.682	5.732	5.834	5.766	5.762	5.848	5.773	5.686	5.830	5.859	5.707	5.976	5.908	
1417281	a	at	Mmp23	NM	011985	Mm.29373	4	7.772	8.853	7.616	7.935	8.265	8.528	7.798	8.790	10.091	9.565	8.954	9.387	9.653	9.866	8.714	7.685	8.177	7.963	8.052	7.507	7.795	7.961	7.356	7.592
1417282	at	Mmp23	NM	011985	Mm.29373	4	9.104	10.436	9.086	9.259	10.544	9.661	9.361	10.209	11.568	11.254	9.516	10.751	11.078	10.323	10.322	8.904	9.501	9.404	9.509	9.266	9.305	9.160	8.841	8.919	
1417283	at	Lynx1	NM	011838	Mm.257067	15	10.530	10.383	10.290	10.820	10.271	9.961	10.256	10.226	9.521	9.914	10.176	10.425	9.973	9.500	9.761	10.379	10.275	10.548	10.556	10.707	10.217	10.112	10.154	10.245	
1417284	at	Mapkap1	NM	133941	Mm.270866	2	9.038	9.145	9.158	9.210	9.257	9.123	9.131	9.088	9.120	9.222	9.133	9.184	9.147	9.248	9.041	9.167	9.181	9.288	9.189	9.261	9.048	9.082	8.863	9.088	
1417285	a	at	Ndufa5	NM	026614	Mm.275780	6	13.047	12.810	13.028	12.941	12.812	12.912	12.959	13.180	12.553	12.486	12.759	12.890	12.436	12.335	12.797	12.919	13.485	13.403	13.024	13.039	13.240	13.300	12.985	12.868
1417286	at	H17a5	NM	015614	Mm.237980	6	11.327	12.694	12.817	12.736	12.834	12.715	12.644	12.793	12.644	12.715	12.644	12.793	12.644	12.715	12.644	12.793	12.644	12.715	12.644	12.793	12.644	12.715	12.644	12.793	12.644
1417287	at	H17a5	NM	015614	Mm.237980	6	8.549	8.448	8.607	8.422	8.176	8.499	8.806	9.508	9.355	8.984	9.085	8.413	8.711	8.952	8.746	8.914	8.711	8.952	8.746	8.914	8.711	8.952	8.746	8.914	8.711
1417288	at	Plekha2	NM	031257	Mm.475943	8	10.332	10.906	10.507	10.597	10.637	10.724	10.576	10.637	10.813	10.772	10.172	10.657	10.808	10.813	10.779	10.601	10.378	10.613	10.830	10.630	10.198	10.429	10.315	10.316	
1417289	at	Plekha2	NM	031257	Mm.475943	8	6.974	7.296	7.076	7.103	7.051	7.192	7.313	7.087	7.094	7.177	6.945	7.093	7.093	7.288	7.172	7.016	7.047	7.151	7.071	7.207	7.012	7.060	6.902	6.933	
1417290	at	Lrg1	NM	029796	Mm.348025	17	11.478	10.536	10.922	10.539	10.346	10.774	10.074	10.344	10.377	10.018	10.071	10.492	10.302	10.185	10.283	10.839	11.038	11.183	11.329	10.493	10.969	10.998	10.499	10.726	
1417291	at	Tnfrsf11a	L26349	Mm.1258	6	10.738	11.456	10.702	10.797	11.085	10.825	10.752	11.116	11.548	11.169	11.016	11.248	11.357	11.435	10.998	10.685	10.688	10.858	10.782	10.536	10.640	10.567	10.613	10.469		
1417292	at	Ifi47	NM	008330	Mm.24769	11	7.970	8.837	8.180	8.158	8.024	8.309	8.967	8.337	8.598	8.845	8.507	8.279	8.250	8.738	8.015	8.243	8.041	7.954	8.019	8.258	8.079	7.861	7.783	8.017	
1417293	at	Hsb6t1	NM	015818	Mm.213566	1	9.283	9.779	9.074	9.214	9.361	9.077	9.141	9.381	9.306	9.415	10.133	9.392	9.262	9.432	9.408	9.076	9.095	9.258	8.965	9.150	9.164	9.164	9.206	9.285	
1417294	at	Hsp7a5	NM	004337	Mm.257980	15	9.109	8.947	8.784	8.939	9.318	9.977	8.974	8.824	9.396	8.103	8.720	9.624	8.747	9.317	9.674	8.952	8.875	8.994	8.910	8.925	9.108	8.957	9.253		
1417295	at	Atf1	NM	054081	Mm.212577	12	9.646	9.997	9.542	9.907	9.859	9.654	9.458	9.384	9.895	9.764	9.397	9.779	9.991	9.524	9.688	9.622	9.788	9.873	9.780	9.528	9.925	9.229	9.728	9.751	
1417296	at	Mta1	NM	007497	Mm.676	15	10.990	10.740	11.128	10.910	10.753	10.968	11.015	10.763	10.447	10.790	10.855	10.908	10.775	10.829	10.981	11.060	10.892	10.711	10.832	10.896	11.005	11.053	10.990	11.184	
1417297	at	Itrp3	NM	080553	Mm.458106	17	7.777	7.708	7.746	7.795	7.719	7.563	7.503	7.775	7.760	7.658	7.770	7.702	7.724	7.745	7.485	7.550	7.646	7.731	7.581	7.521	7.783	7.640	7.529	7.492	
1417298	at	Ebp1	BC027422	Mm.22758	14	8.882	9.259	8.729	8.945	9.086	9.064	9.131	8.841	9.310	9.128	8.578	9.042	9.156	9.250	8.742	8.651	9.191	9.406	9.175	8.994	8.898	8.831	8.606	8.448		
1417299	at	Nek2	NM	010892	Mm.33773	1	6.104	7.218	6.157																						

1417349	at	Pldn	NM	019788	Mm.268921	2	11.317	11.965	11.481	11.405	11.848	11.537	11.436	11.829	11.889	11.810	11.688	11.661	11.837	11.661	11.510	11.042	11.079	11.344	11.390	11.303	11.161	11.358	11.342		
1417350	at	Pldn	NM	019788	Mm.268921	2	7.002	7.385	6.690	6.873	6.990	6.841	7.241	7.280	6.974	7.062	7.110	6.949	7.000	6.822	6.972	6.845	6.857	6.649	7.086	6.874	6.634	6.862			
1417351	s at	Snrap1	BC013777	Mm.413078	7	9.559	10.036	9.354	9.219	9.393	9.605	9.630	9.419	9.476	9.254	9.724	9.421	9.879	9.827	9.260	9.309	9.662	9.637	9.380	9.424	9.589	9.755	9.533	9.525		
1417352	s at	Snrap1	BC013777	Mm.413078	7	9.491	10.207	9.441	9.400	9.485	9.657	9.498	9.548	9.670	9.314	9.875	9.473	9.253	9.833	9.266	9.372	9.955	9.913	9.740	9.696	9.819	9.871	9.564	9.537		
1417353	x at	Snrap1	BC013777	Mm.413078	7	8.776	9.256	8.629	8.451	8.587	8.528	8.597	8.903	8.734	8.480	8.894	8.713	8.253	9.083	8.458	8.453	9.178	8.944	8.745	8.574	8.971	9.252	8.587	8.773		
1417354	at	Su1	NM	030749	Mm.291482	18	8.872	8.862	8.887	8.892	8.897	8.770	8.543	8.547	8.951	8.791	8.189	8.825	8.806	8.719	8.611	8.746	8.875	8.993	8.827	8.638	8.804	8.887	8.582		
1417355	at	Pea3	AB003040	Mm.389800	7	7.774	7.914	8.052	7.816	7.929	8.150	7.654	7.540	8.242	8.405	7.518	7.992	8.056	7.939	8.166	8.220	7.621	7.865	8.005	7.648	7.399	7.349	7.556	7.573		
1417356	at	Pea3	AB003040	Mm.389800	7	6.163	5.971	6.379	6.141	6.366	6.324	6.403	6.099	6.390	6.329	6.226	6.393	6.353	6.081	6.494	6.345	6.134	6.182	6.393	6.150	5.940	6.078	6.066	6.062		
1417357	at	Emd	NM	007927	Mm.18892	X	9.976	10.203	9.766	9.762	9.785	9.910	9.962	9.954	10.283	10.074	9.940	9.949	9.917	10.216	9.685	9.833	10.157	10.138	9.996	9.889	9.811	9.950	9.863	9.785	
1417358	s at	Sorbs1	NM	009166	Mm.210815	19	8.583	8.371	8.697	8.665	8.424	8.588	8.578	8.125	8.179	8.553	8.477	8.315	8.335	8.363	8.722	8.886	8.190	8.325	8.459	8.749	8.540	7.932	8.925	9.041	
1417359	at	Mfab2	NM	008546	Mm.7386	4	8.221	8.549	8.091	8.136	9.151	8.326	7.902	8.317	9.253	9.381	8.564	9.529	9.547	8.772	9.064	8.136	8.046	8.317	8.328	8.126	8.203	7.968	7.971	7.745	
1417360	at	Mhl1	NM	026810	Mm.196006	9	7.366	7.411	7.525	7.533	7.321	7.567	7.512	7.333	6.788	7.001	7.143	7.650	7.446	7.690	6.812	7.311	7.229	7.182	7.164	7.086	6.927	7.283	6.647	6.726	
1417361	at	Asb3	BC023086	Mm.440539	11	8.798	8.501	8.840	8.841	8.787	8.957	8.728	8.551	8.484	8.782	8.381	8.937	9.006	8.712	8.886	8.929	8.784	8.622	8.880	8.860	8.833	8.901	8.857	8.829		
1417362	at	Rhqc	NM	019799	Mm.10909	7	7.655	7.259	7.523	7.569	7.442	7.384	7.462	7.385	7.308	7.129	7.688	7.223	7.390	7.461	7.301	7.442	7.572	7.464	7.451	7.408	7.728	7.331	6.747	7.538	
1417363	at	Zfp61	NM	009561	Mm.12832	7	5.846	5.802	5.897	6.105	6.178	6.058	5.660	5.820	6.210	6.036	5.646	6.383	6.534	6.007	6.241	5.728	6.265	6.046	6.572	6.008	5.731	6.000	5.534	5.658	
1417364	at	Eef1q	AF321126	Mm.247762	19	13.060	13.680	13.137	13.212	13.117	13.234	13.241	13.020	13.391	13.309	13.307	13.064	13.000	13.558	12.983	13.152	12.868	13.097	13.132	13.085	12.937	12.759	12.834	12.945		
1417365	a at	Calm1	AU079514	Mm.285993	12	11.194	12.100	11.265	10.986	11.163	11.284	11.436	10.752	11.770	11.917	11.682	11.227	11.350	12.108	11.388	11.242	9.907	10.706	10.984	10.952	10.626	10.390	11.332	11.225		
1417366	s at	Calm1	AU079514	Mm.285993	12	7.982	8.905	7.909	7.866	8.197	7.733	7.972	9.043	8.703	8.435	8.524	8.322	8.370	8.462	8.110	7.874	8.474	8.237	7.672	7.834	8.489	8.545	7.503	7.595		
1417367	at	Ppp2ca	BC003856	Mm.260288	11	12.950	12.907	12.990	12.820	12.747	12.939	12.959	13.058	12.629	12.811	13.007	12.766	12.745	12.902	12.889	13.012	12.829	12.867	12.944	12.934	12.800	12.810	12.887	12.978		
1417368	s at	Ndufa2	NM	010985	Mm.29867	18	12.933	12.702	12.779	12.874	12.838	12.639	12.708	12.999	12.450	12.466	12.688	13.057	12.693	12.397	12.685	12.707	13.273	13.287	12.777	12.846	13.260	13.353	12.875	12.573	
1417369	at	Hsd17b4	NM	008292	Mm.277857	18	10.865	10.899	10.981	11.121	10.922	11.296	11.151	10.763	10.528	10.709	10.623	10.917	10.859	10.808	10.977	11.108	11.144	11.204	11.387	11.342	11.014	11.002	11.035	11.282	
1417370	at	Tff3	NM	011575	Mm.4641	17	8.067	7.952	7.901	7.917	7.806	7.753	7.916	7.873	7.896	7.789	7.844	7.896	7.998	7.797	7.805	7.812	7.911	7.838	7.819	7.954	7.948	7.752	7.948	7.961	
1417371	at	Pel1	BC016515	Mm.28957	11	9.608	9.084	9.106	8.747	8.943	8.974	8.934	9.248	9.050	9.024	8.856	8.886	8.898	9.145	9.069	9.173	8.886	8.781	8.801	9.253	9.652	9.414	9.356			
1417372	a at	Pel1	BC016515	Mm.28957	11	8.886	8.718	8.955	8.414	8.411	8.554	8.508	8.275	8.442	8.840	8.358	8.478	8.497	8.537	8.802	8.707	8.142	8.136	8.227	8.345	8.397	8.697	8.967	8.980		
1417373	a at	Tuba4a	AW491660	Mm.1155	1	14.970	14.959	14.892	14.877	14.611	14.994	15.048	14.941	14.799	14.715	14.786	14.777	14.304	14.867	14.385	14.915	14.836	14.924	14.894	14.951	14.733	14.657	14.562	14.643		
1417374	at	Tuba4a	AW491660	Mm.1155	1	13.791	13.732	13.675	13.688	13.058	13.849	13.915	13.776	13.367	13.262	13.665	12.486	12.455	13.533	12.681	13.702	13.724	13.805	13.693	13.895	14.391	13.344	12.838	13.209		
1417375	at	Tuba4a	AW491660	Mm.1155	1	8.950	8.887	8.926	8.883	8.755	8.976	8.837	8.810	8.836	8.756	8.836	8.511	8.832	8.723	8.825	8.837	8.855	8.857	8.831	8.873	8.831	8.873	8.873	8.873		
1417376	at	Cadm1	NM	018770	Mm.234832	9	6.346	6.245	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258	6.258		
1417377	at	Cadm1	NM	018770	Mm.234832	9	6.439	6.871	6.381	6.756	7.199	6.769	6.781	6.735	7.314	6.956	6.436	6.780	7.142	6.775	6.830	6.768	7.117	7.087	7.227	6.696	7.204	6.736	6.766		
1417378	at	Cadm1	NM	018770	Mm.234832	9	7.233	7.531	7.065	7.153	7.579	7.525	7.462	7.316	7.865	7.407	7.359	7.204	7.687	7.358	7.363	7.181	7.377	7.657	7.590	7.403	7.600	7.297	7.298		
1417379	at	Iqgap1	NM	016721	Mm.207619	7	10.549	11.473	10.532	10.504	11.074	10.726	10.592	11.010	11.707	11.338	11.257	11.135	11.257	11.558	11.019	10.489	10.222	10.196	10.248	10.005	10.291	10.520	10.386	10.331	
1417380	at	Iqgap1	NM	016721	Mm.207619	7	8.295	9.259	8.095	8.162	8.774	8.387	8.246	8.677	9.441	9.128	8.834	8.838	8.906	9.206	8.751	8.894	7.888	7.726	7.921	7.702	7.935	8.462	8.046	7.932	
1417381	at	C1qa	NM	007572	Mm.439957	4	10.461	11.362	10.430	10.410	11.180	10.587	10.848	10.584	11.927	11.182	10.891	10.902	11.129	11.347	10.791	10.558	9.998	9.902	10.226	9.733	10.425	10.583	10.085	10.165	
1417382	at	Entpd5	NM	007647	Mm.10211	12	10.350	10.055	10.376	10.685	10.003	10.595	10.572	9.889	9.562	9.633	9.422	10.022	9.756	9.858	9.959	10.490	10.286	10.922	10.844	10.812	10.931	10.947	10.535	10.377	
1417383	at	Entpd5	NM	007647	Mm.10211	12	9.241	9.263	9.235	9.238	9.238	9.239	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238	9.238		
1417384	at	Entpd5	NM	007647	Mm.10211	12	10.709	10.225	11.099	11.229	10.288	11.441	11.159	9.722	9.041	9.778	9.336	10.052	9.710	10.303	10.372	11.108	11.441	11.357	11.832	11.776	10.958	10.955	10.997	10.986	
1417385	at	Npeps3	AK010446	Mm.29824	11	11.494	11.529	11.661	11.486	11.242	11.452	11.424	11.107	11.166	11.366	11.129	11.162	11.085	11.289	11.154	11.618	11.209	11.295	11.357	11.283	11.038	11.124	11.183	11.391		
1417386	at	Npeps3	AK010446	Mm.29824	11	11.132	10.994	11.074	11.072	10.841	10.734	10.831	10.884	10.984	10.887	10.486	10.768	10.823	10.646	10.683	11.170	11.050	10.917	10.881	10.850	10.898	11.210	10.785	10.846		
1417387	at	Med31	NM	020608	Mm.159496	11	9.733	9.820	9.714	9.811	9.696	9.729	9.698	9.696	9.349	9.394	9.489	9.583	9.509	9.417	9.517	9.623	10.045	10.023	9.903	9.840	9.832	9.787	9.881	9.620	
1417388	at	Bex2	NM	009749	Mm.94160	X	4.244	4.105	4.431	4.342	4.262	4.245	4.158	4.200	4.276	4.278	4.288	4													

1417438	at	Rdh1a	NM 023697	Mm.119343	12	10.729	10.135	10.613	10.610	10.566	10.500	10.581	10.626	9.844	10.102	9.948	10.478	10.332	9.991	10.369	10.672	11.089	10.896	10.862	10.812	10.754	10.916	10.696	10.595
1417439	at	Cd248	NM 050442	Mm.29597	19	8.500	9.517	8.672	9.078	9.335	8.887	8.673	9.409	9.748	9.491	9.073	9.277	9.340	9.546	9.032	8.601	8.764	8.768	8.937	8.656	8.576	8.736	8.398	8.355
1417440	at	Arid1a	NM 033566	Mm.22478	4	9.412	9.709	9.088	9.423	9.978	9.326	9.325	9.441	9.687	9.654	9.669	9.588	9.643	9.258	9.471	9.298	9.695	9.647	9.353	9.348	9.541	9.134	9.420	9.435
1417441	at	Dnaic12	NM 013888	Mm.32550	10	9.614	9.464	9.484	9.531	9.626	9.697	9.967	9.787	9.250	9.367	9.542	9.592	9.298	9.373	9.453	9.516	10.230	10.283	10.263	10.025	9.933	9.981	9.730	9.613
1417442	a at	Pex3	AK012827	Mm.282711	10	8.500	8.460	8.518	8.492	8.461	8.516	8.491	8.478	8.332	8.387	8.303	8.553	8.451	8.451	8.312	8.432	8.424	8.327	8.412	8.387	8.444	8.483	8.263	8.442
1417443	at	Acco11	NM 025950	Mm.05956	4	6.803	6.604	6.786	6.764	6.671	6.762	6.583	6.886	6.542	6.589	6.612	6.510	6.795	6.729	6.816	6.874	6.834	6.876	6.855	6.749	6.730	6.883	6.835	
1417444	at	E2f5	BC003220	Mm.153415	3	6.991	6.991	6.916	6.904	6.875	6.951	6.898	6.754	6.824	7.094	7.030	6.880	6.900	7.083	6.980	7.089	6.875	6.867	6.865	6.718	6.741	6.831	6.778	6.856
1417445	at	Ndc80	NM 023294	Mm.225956	17	5.958	6.907	5.792	5.816	6.081	5.740	5.814	6.732	6.672	6.558	6.321	5.967	6.155	6.698	6.089	5.807	5.858	5.539	5.876	5.748	5.706	5.806	5.798	5.609
1417446	at	Slc12a4	NM 009195	Mm.292447	8	9.341	10.179	9.461	9.578	9.994	9.806	9.677	9.682	10.036	10.112	10.082	9.969	9.866	9.963	9.929	9.521	9.487	9.621	9.565	9.656	9.504	9.461	9.593	9.563
1417447	at	Tcf21	NM 011545	Mm.16497	10	7.799	8.126	7.753	7.985	8.355	8.199	7.814	8.612	8.709	8.672	7.991	8.934	8.943	8.173	8.492	7.656	8.591	8.359	8.297	7.391	8.129	8.464	7.200	7.925
1417448	at	1810008A18Rik	NM 013998	Mm.259547	10	8.191	8.580	8.307	8.313	8.396	8.185	8.154	8.171	8.446	8.470	8.331	8.322	8.379	8.461	8.301	8.300	8.319	8.331	8.256	8.167	8.318	8.265	8.209	
1417449	at	Acot8	NM 133240	Mm.277878	2	9.006	9.037	8.979	8.982	8.808	8.908	8.949	9.015	9.055	9.038	8.985	8.930	8.975	8.974	8.861	8.896	8.944	9.079	8.984	8.983	9.015	8.991	8.872	8.837
1417450	a at	Tacc3	NM 011524	Mm.379024	5	5.961	6.641	5.671	5.993	6.872	6.131	6.007	7.893	7.678	7.471	7.698	6.546	6.633	8.021	6.585	5.569	5.681	6.012	5.869	5.683	5.737	6.125	5.850	5.569
1417451	a	Ppia	NM 008907	Mm.5246	11	13.002	13.954	12.736	13.013	13.609	13.269	12.978	13.732	14.109	13.832	13.577	13.640	13.850	13.833	13.643	12.747	13.589	13.128	12.964	12.937	13.489	13.528	12.844	12.633
1417452	a at	Fau	NM 007990	Mm.329631	19	11.522	12.139	11.127	11.357	11.586	11.349	11.397	12.202	12.473	11.832	11.638	11.990	11.878	11.658	11.358	11.096	12.130	11.830	11.321	11.232	11.848	12.210	11.085	10.752
1417453	at	Cul4b	AW536452	Mm.327675	X	7.833	8.671	7.799	7.605	7.948	7.669	7.803	7.924	8.720	8.723	7.763	8.253	8.400	8.514	8.004	7.805	7.946	7.475	7.936	7.624	7.589	7.962	7.762	7.633
1417454	at	Cul4b	AW536452	Mm.327675	X	9.776	10.163	9.915	9.778	9.817	10.114	10.038	9.744	10.062	10.289	9.798	10.076	10.220	10.331	10.317	9.891	9.794	9.776	10.252	10.103	9.583	9.730	9.983	9.963
1417455	at	Tufb3	BC014690	Mm.3992	12	8.620	9.838	8.775	8.848	10.120	9.186	8.827	9.339	10.900	10.714	9.504	10.731	11.011	10.039	10.299	8.832	8.501	8.876	9.020	8.873	8.731	8.562	8.975	8.810
1417456	at	Gnatp	NM 010322	Mm.29114	8	11.533	11.263	11.706	11.739	11.394	11.728	11.599	11.079	10.873	11.228	11.182	11.257	11.193	11.087	11.421	11.723	11.468	11.630	11.767	11.868	11.374	11.370	11.678	11.852
1417457	at	Cks2	NM 025415	Mm.222228	13	6.526	9.875	6.466	6.525	8.363	7.274	7.364	9.332	9.827	9.704	9.424	8.300	8.554	9.754	8.668	6.528	6.406	6.223	6.423	6.125	6.619	7.341	6.917	6.129
1417458	s at	Cks2	NM 025415	Mm.222228	13	6.670	9.700	6.582	6.935	8.289	7.434	7.184	9.019	9.822	9.482	9.399	8.283	8.468	6.993	8.657	6.746	6.515	6.594	6.601	6.395	6.441	7.229	6.689	6.377
1417459	at	Dcpo1	NM 019100	Mm.371556	17	5.354	4.823	4.893	4.913	4.831	4.888	4.827	4.909	4.836	4.732	5.500	4.870	4.904	4.989	4.886	4.897	5.058	4.958	5.109	4.989	4.775	4.774	4.955	4.989
1417460	at	Ifftm2	NM 030694	Mm.379266	7	11.028	11.514	10.728	10.937	11.316	10.839	10.919	11.332	11.884	11.309	11.453	11.077	11.492	11.247	11.116	10.749	10.949	10.785	10.529	10.235	11.263	10.659	10.662	10.320
1417461	at	Capo1	NM 007598	Mm.8687	4	10.373	10.642	9.778	9.791	10.727	10.157	9.863	9.479	11.235	11.065	10.966	8.601	9.030	9.342	10.676	9.782	9.604	10.020	10.389	10.106	9.868	9.670	10.361	10.340
1417462	at	Capo1	NM 007598	Mm.8687	4	7.499	7.850	7.261	7.307	7.769	7.484	7.326	8.607	8.041	8.460	8.052	6.196	6.595	7.049	8.068	7.353	6.569	6.986	7.581	7.438	6.744	6.299	7.627	7.952
1417463	a at	2400001E08Rik	NM 025605	Mm.30003	7	12.940	13.025	12.650	12.659	12.946	12.785	12.930	13.045	13.230	13.037	12.886	13.140	13.024	13.027	12.860	12.556	12.949	12.944	12.783	12.827	12.968	12.955	12.733	12.570
1417464	at	Tnni2	NM 025605	Mm.2716	2	5.457	5.587	5.585	5.587	5.457	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587	5.585	5.587
1417465	at	Foxa1	NM 008033	Mm.3496	19	11.561	11.536	11.107	11.998	11.702	11.733	11.659	11.541	11.618	11.518	11.618	11.541	11.618	11.541	11.618	11.541	11.618	11.541	11.618	11.541	11.618	11.541	11.618	11.541
1417466	at	Rgs5	NM 133736	Mm.20954	1	12.985	12.281	13.148	13.184	12.873	12.939	12.848	13.050	12.334	12.611	12.715	12.765	12.834	12.758	12.970	13.145	12.862	12.762	12.842	13.051	12.830	13.069	13.204	13.206
1417467	a at	Tada3l	AK003405	Mm.266811	6	8.408	8.859	8.253	8.285	8.641	8.283	8.203	8.646	8.686	8.524	8.494	8.694	8.563	8.401	8.447	8.283	8.566	8.528	8.343	8.154	8.567	8.485	8.213	8.339
1417468	at	Nit1	BM121177	Mm.12915	1	9.583	9.556	9.659	9.621	9.665	9.628	9.589	9.515	9.460	9.467	9.253	9.638	9.512	9.379	9.380	9.514	9.651	9.871	9.832	9.656	9.521	9.600	9.445	9.559
1417469	at	Nit1	BM121177	Mm.12915	1	6.615	6.384	6.520	6.611	6.455	6.525	6.284	6.509	6.594	6.465	6.545	6.457	6.257	6.261	6.414	6.518	6.935	6.705	6.412	6.589	6.706	6.840	6.534	6.542
1417470	at	Apobec3	NM 030255	Mm.284059	15	8.528	9.126	8.295	8.367	8.050	8.131	8.389	8.665	8.783	8.667	8.596	8.567	8.403	8.623	8.261	8.356	8.250	8.416	8.247	8.287	8.258	8.152	8.801	7.904
1417471	s at	D1Er0622e	NM 133925	Mm.12309	1	5.626	6.775	5.766	5.903	6.149	5.986	5.943	6.011	6.684	6.517	6.439	6.196	6.296	6.646	6.168	5.761	5.707	5.628	5.569	5.467	5.741	5.909	6.083	5.906
1417472	at	Ppp2r3c	NM 026494	Mm.27245	13	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038	11.038	11.068	11.038
1417473	a at	Ppcs	NM 026494	Mm.27245	4	5.865	6.404	6.017	6.221	6.516	6.180	6.097	6.161	5.962	6.554	5.551	6.379	5.827	5.882	5.576	5.931	6.580	6.925	6.596	6.225	6.206	6.303	5.952	5.763
1417474	at	1500035H01Rik	NM 028381	Mm.278597	9	8.92831	9.521	9.175	9.179	9.791	9.104	9.263	9.429	9.859	9.662	9.163	9.505	9.757	9.442	9.547	9.849	9.527	9.574	9.564	9.394	9.429	9.234	9.102	9.192
1417475	at	Atp13a1	NM 133224	Mm.186066	8	9.064	9.595	9.060	9.213	9.370	9.030	8.901	9.310	9.743	9.409	9.412	9.496	9.489	9.501	9.151	9.104	9.203	9.282	9.075	8.946	9.185	9.060	8.843	
1417476	at	Fbxo3	NM 013908	Mm.29170	2	9.943	10.218	10.068	10.340	10.177	10.130	9.965	9.973	10.080	10.132	9.947	10.058	10.107	9.787	9.918	10.100	10.252	10.425	10.168	10.125	10.198	9.788	10.099	9.889
1417477	at	Gtlf3b	NM 025294	Mm.22780	11	9.064	9.119	9.027	9.202	9.296	9.064	8.973	9.139	9.449	9.395	8.956	9.405	9.378	9.186	9.093	8.963	9.232	9.155	9.277	9.111	9.094	9.261		

1417527	at	Ap3m2	BC027301	Mm.390023	8	7.314	7.875	7.876	7.873	7.860	7.917	7.862	7.510	8.076	8.139	7.730	7.858	7.918	7.909	7.937	7.802	7.761	7.900	8.086	7.898	7.511	7.683	7.557	7.624
1417528	at	Spaq6	NM 015773	Mm.317101	16	6.141	5.866	6.098	6.093	5.871	6.099	5.947	5.772	5.883	5.753	6.055	5.833	5.969	5.947	5.901	6.073	5.885	5.916	6.043	6.228	5.909	5.770	5.997	5.986
1417529	at	Rab33a	NM 011228	Mm.2015	X	6.410	6.547	6.351	6.588	6.482	6.527	6.154	6.462	6.410	6.589	6.424	6.605	6.638	6.539	6.688	6.420	6.385	6.590	6.490	6.490	6.546	6.286	6.398	6.478
1417530	a at	Srp9	BI661964	Mm.303071	1	10.405	10.871	10.282	10.304	10.356	10.347	10.275	10.582	10.782	10.628	10.235	10.791	10.632	10.465	10.345	10.199	10.816	10.617	10.446	10.329	10.784	10.895	10.168	10.171
1417531	at	Cyp2i5	BF783609	Mm.12838	4	5.959	4.804	5.071	5.040	5.078	5.010	4.943	4.974	4.245	4.624	4.877	4.682	4.887	4.828	4.812	4.843	4.959	4.876	4.975	5.057	4.980	5.057	5.010	
1417532	at	Cyp2i5	BF783609	Mm.12838	5	5.429	5.336	5.422	5.215	5.562	5.357	5.419	5.568	5.171	5.237	5.301	5.520	5.526	5.208	5.263	5.286	5.413	5.365	5.285	5.774	5.506	5.384	5.614	5.772
1417533	a at	Itqb5	NM 010580	Mm.6424	16	10.450	11.104	10.349	10.706	11.462	10.725	10.231	10.783	12.063	11.930	10.725	12.042	12.221	11.246	11.487	10.500	11.032	10.991	11.015	10.967	10.806	10.723	10.773	10.571
1417534	at	Itqb5	NM 010580	Mm.6424	16	9.800	10.406	9.998	10.037	10.753	10.041	9.551	10.161	11.316	11.317	10.109	11.323	11.543	10.540	10.906	9.970	10.255	10.303	10.319	10.181	10.092	10.025	10.001	9.917
1417535	at	Fbxo25	NM 025785	Mm.37950	8	8.680	8.757	9.064	9.015	8.908	9.228	9.060	8.790	8.641	8.762	8.169	9.034	8.863	8.710	9.031	9.111	9.087	9.140	9.191	9.132	8.819	9.051	8.963	8.989
1417536	at	Zmat2	BC024881	Mm.251155	18	10.681	10.805	10.709	10.637	10.665	10.876	10.839	10.361	10.664	10.711	10.658	10.616	10.656	10.940	10.690	10.642	10.452	10.729	10.830	10.821	10.405	10.482	10.751	10.605
1417537	at	Zmat2	BC024881	Mm.251155	18	7.584	7.283	7.378	7.487	7.362	7.425	7.443	7.491	7.401	7.221	7.404	7.368	7.446	7.365	7.374	7.325	7.364	7.386	7.488	7.337	7.377	7.440	7.457	7.314
1417538	at	Sic35a1	NM 011895	Mm.281885	4	9.262	9.606	9.481	9.523	9.558	9.868	9.718	8.895	9.264	9.694	9.941	9.628	9.466	9.521	9.341	9.594	9.728	9.649	9.388	9.470	9.744	9.474	9.426	
1417539	at	Sic35a1	NM 011895	Mm.281885	4	8.070	8.274	8.220	8.079	8.125	8.159	8.133	8.009	8.304	8.381	8.006	8.200	8.090	8.200	8.201	8.061	8.044	8.019	8.288	8.102	8.777	8.029	8.051	8.188
1417540	at	Elf1	NM 007920	Mm.301204	14	7.699	7.737	7.794	7.758	7.889	7.893	7.559	8.050	7.877	8.121	7.825	7.943	7.986	8.174	8.190	7.940	7.777	7.812	7.879	7.618	7.883	8.150	7.977	7.983
1417541	at	Hells	NM 008234	Mm.57223	19	5.329	8.068	5.449	5.769	5.972	5.762	6.075	6.202	6.231	6.234	6.415	5.531	5.569	7.343	5.657	5.136	5.246	4.932	5.356	4.832	5.156	5.559	5.039	4.926
1417542	at	Rps6ka2	BB737182	Mm.268383	17	10.153	9.569	10.382	10.646	10.075	10.414	10.513	9.910	9.376	9.417	9.750	9.819	9.677	9.633	9.985	10.349	10.457	10.430	10.110	10.412	10.543	10.296	10.533	10.490
1417542	at	Rps6ka2	BB737182	Mm.268383	17	7.808	7.521	7.748	8.057	7.903	7.897	7.901	7.636	7.427	7.547	7.677	7.550	7.664	7.619	7.606	8.036	7.825	7.556	7.777	7.998	7.767	7.458	8.028	8.063
1417544	a at	Flot2	NM 080828	Mm.130227	11	10.724	10.987	10.598	10.752	11.024	10.871	10.595	10.469	11.038	11.094	10.794	10.848	10.934	10.928	10.881	10.609	10.613	10.716	10.865	10.745	10.506	10.758	10.617	10.557
1417545	at	Tripv4	NM 022017	Mm.266450	5	7.549	7.271	7.492	7.408	7.456	7.341	7.307	7.379	7.476	7.494	7.613	7.448	7.469	7.606	7.502	7.617	7.398	7.305	7.253	7.463	7.477	7.279	7.649	7.588
1417546	at	Iizb	M28052	Mm.35287	15	7.065	6.781	7.028	7.081	6.915	6.935	6.892	7.016	6.965	6.779	6.951	6.685	7.047	7.066	6.900	7.046	6.885	7.117	7.110	6.899	6.877	7.126	6.716	
1417547	at	Sarr3	B8546730	Mm.29594	5	8.736	9.138	8.734	8.955	8.943	8.866	8.786	8.895	8.917	8.853	8.911	8.889	8.893	8.896	8.855	8.762	9.108	8.891	8.878	8.812	8.989	8.910	8.741	8.845
1417548	at	Sarr3	B8546730	Mm.29594	5	6.817	6.954	6.698	6.812	6.728	6.630	6.550	6.926	6.697	6.727	6.589	6.756	6.673	6.684	6.544	6.663	6.919	6.959	6.713	6.625	6.945	6.756	6.587	6.674
1417549	at	Zltp6	NM 013844	Mm.27575	5	7.894	7.689	8.337	8.128	7.966	8.281	8.095	7.957	7.560	8.369	7.452	8.039	6.737	7.585	7.995	8.205	8.200	7.780	8.093	8.006	8.107	7.939	8.045	8.198
1417550	a at	Gsa1	NM 010352	Mm.272306	6	5.623	5.461	5.675	5.567	5.739	5.938	5.861	5.709	5.626	5.731	5.573	5.788	5.628	5.690	5.711	5.628	5.777	5.775	5.431	5.596	5.653	5.748	5.409	5.409
1417551	at	Cln3	NM 009907	Mm.268930	7	8.069	8.659	8.065	8.383	8.416	8.285	8.256	7.691	8.651	8.503	7.992	8.397	8.428	8.595	8.228	8.008	8.272	8.275	8.288	8.174	8.214	8.225	8.100	8.179
1417552	at	Fap	NM 007986	Mm.41816	2	7.966	8.997	7.902	7.912	9.375	8.666	8.241	8.528	9.737	9.900	8.871	9.378	9.957	9.987	9.172	7.857	7.981	8.014	8.055	8.053	8.059	7.923	7.782	7.443
1417553	at	Hsd3b4	NM 025059	Mm.14308	X	6.368	6.127	6.402	6.254	6.240	6.248	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240	6.348	6.240
1417554	at	Atad1	NM 026487	Mm.27123	19	7.852	7.780	7.822	7.985	7.901	8.037	7.976	7.568	7.460	7.466	7.724	7.613	7.662	7.782	7.811	7.986	7.745	7.869	8.052	7.992	7.860	7.645	8.034	8.110
1417556	at	Fabp1	NM 017399	Mm.22126	6	4.933	4.745	4.843	4.802	4.574	4.704	4.729	4.474	4.629	4.737	4.674	4.728	4.760	4.636	4.727	4.787	4.699	4.907	4.885	4.738	4.470	4.344	4.778	
1417557	at	Ubxn6	NM 024432	Mm.28000	17	10.438	10.317	10.190	10.398	10.363	10.217	10.304	10.474	10.415	10.228	10.233	10.532	10.434	10.109	10.303	10.236	10.948	10.693	10.448	10.556	10.726	10.616	10.325	10.307
1417558	at	Fvn	NM 008054	Mm.4848	10	9.994	10.300	9.975	10.082	10.241	10.178	10.008	10.440	10.083	10.193	10.260	10.149	10.371	10.164	10.378	9.896	10.399	10.170	9.989	10.194	10.425	10.479	10.392	10.123
1417559	at	Sfxn1	BB478992	Mm.134191	13	8.004	9.018	8.120	8.280	8.618	8.415	8.302	8.753	9.191	8.761	8.556	8.772	8.602	9.121	8.418	7.836	8.652	8.475	8.297	7.909	8.236	8.584	7.464	7.980
1417560	at	Sfxn1	BB478992	Mm.134191	13	9.035	9.591	9.059	9.176	9.148	8.280	9.291	9.145	9.312	9.384	8.256	9.199	9.245	9.674	9.183	9.096	8.964	8.922	9.148	9.105	8.772	8.889	8.811	8.920
1417561	at	Elf4ebp1	NM 007469	Mm.6700	8	11.150	11.708	10.593	10.641	11.319	11.046	10.821	12.107	11.981	11.560	11.621	11.820	11.572	11.424	11.349	10.941	11.774	11.379	10.849	10.945	11.766	12.007	11.116	10.846
1417563	at	Elf4ebp1	NM 007918	Mm.6700	8	8.648	8.359	8.511	8.406	8.251	8.538	8.529	8.748	8.428	8.663	8.625	8.556	8.735	8.444	8.932	8.457	8.584	8.462	8.403	8.804	8.712	8.781	8.989	9.157
1417564	at	Med7	NM 025426	Mm.24159	11	9.396	9.443	9.227	8.869	9.117	9.055	9.142	9.474	9.247	9.277	9.225	9.217	9.211	9.231	9.129	9.125	9.163	9.060	8.923	9.123	9.304	9.136	9.190	9.129
1417565	at	Ahd5	AK007421	Mm.280254	9	10.181	10.199	10.368	10.267	10.172	10.324	10.142	9.957	9.783	10.059	9.753	9.987	9.858	9.916	10.067	10.276	10.048	10.248	10.236	10.267	9.988	10.153	10.145	10.419
1417566	at	Ahd5	AK007421	Mm.280254	9	8.759	9.418	8.882	8.850	8.915	9.027	8.995	9.091	9.283	9.186	8.711	9.077	7.864	8.167	8.940	8.930	9.018	8.974	8.983	8.880	8.916	9.055	8.974	9.118
1417567	at	Cnnb1p1	BF457754	Mm.299735	4	8.638	9.013	8.523	8.740	8.955	8.609	8.533	9.451	8.774	8.578	8.735	9.219	8.995	8.694	8.725	8.564	9.007	8.834	8.699	8.668	8.802	9.094	8.685	8.439
1417568	at	Ncapg	NM 023054	Mm.283270	15	8.851	8.810	8.840	8.810	8.967	8.809	8.873	8.762	8.780	8.902	8.842	8.730	8.806	8.802	8.806	8.802	8.802	8.802	8.802	8.802	8.802	8.802	8.802	8.802
1417569	at	Anapc1	BC071381	Mm.277408	2	7.512	7.540	7.867																					

1417616	at	St6qalnac2	BC010208	Mm.3947	11	7.489	7.386	7.502	7.541	7.798	7.393	7.249	7.618	7.526	7.545	7.425	7.678	7.643	7.425	7.684	7.346	7.717	7.609	7.666	7.441	7.639	7.784	7.613	7.536
1417617	at	St6qalnac2	BC010208	Mm.3947	11	5.397	5.325	5.437	5.389	5.567	5.214	5.374	5.484	5.447	5.277	5.415	5.406	5.568	5.578	5.424	5.343	5.581	5.196	5.375	5.399	5.472	5.588	5.422	5.079
1417618	at	litiH	NM 010582	Mm.182043	2	6.443	6.229	6.293	6.539	6.586	6.424	6.241	6.473	6.486	6.574	6.523	6.588	6.570	6.404	6.583	6.626	6.587	6.429	6.325	6.486	6.686	6.630	6.580	6.617
1417619	at	Gad45a1p1	BE368753	Mm.276291	8	8.802	8.379	9.206	9.139	8.099	7.610	7.620	6.988	8.100	7.726	7.762	8.852	8.523	8.423	7.441	8.816	6.911	8.543	7.844	7.549	8.451	8.831	7.407	7.338
1417620	at	Ras1	NM 008008	Mm.1872	15	8.389	9.187	8.271	8.359	8.517	8.576	8.546	8.066	9.452	8.571	8.575	8.181	8.265	9.230	8.090	8.274	8.093	8.037	8.124	8.022	8.061	8.157	8.091	8.099
1417621	at	Nf1atc1	NM 016791	Mm.325560	18	8.826	8.738	8.648	8.618	8.674	8.868	8.648	8.623	9.087	9.171	9.157	8.889	8.877	9.073	9.149	8.586	8.391	8.364	8.412	8.433	8.484	8.434	8.647	8.795
1417622	at	Snc1	BG069055	Mm.399997	18	10.001	9.838	10.136	10.138	9.999	10.189	10.154	9.834	9.556	10.065	10.218	9.877	9.915	10.101	10.103	10.084	9.640	9.731	10.017	9.932	9.642	9.896	10.269	10.030
1417623	at	Snc12a2	BG069505	Mm.399997	18	8.620	8.479	8.541	8.729	8.414	8.549	8.505	8.925	8.231	8.313	8.175	8.602	8.414	8.456	8.593	8.596	8.637	8.242	8.425	8.212	8.514	8.867	8.597	8.365
1417624	at	Nab1	NM 008667	Mm.25903	1	10.548	10.786	10.426	10.148	10.359	9.866	10.265	10.825	11.035	11.187	11.098	10.705	10.875	11.152	10.918	10.372	10.409	10.546	10.793	10.576	10.149	10.422	10.716	10.703
1417625	s at	Cxcr7	BC015254	Mm.6522	1	11.765	10.465	11.518	11.557	11.198	11.455	12.006	11.765	12.945	10.839	11.253	10.990	10.666	10.656	11.341	11.617	11.404	11.189	11.210	11.603	12.049	12.192	11.916	12.078
1417626	at	Pde4dip	NM 031401	Mm.138640	3	13.756	13.257	13.713	13.763	13.808	13.523	13.658	13.606	12.917	13.324	13.552	13.951	13.507	13.146	13.554	13.384	13.590	13.561	13.470	13.549	13.611	13.727	13.716	13.763
1417627	a at	Lumh1	NM 010717	Mm.15409	5	5.839	6.112	5.869	5.805	6.132	5.680	5.768	6.511	6.215	6.157	6.229	6.168	5.732	5.989	5.966	5.771	5.908	5.920	5.887	5.669	5.998	6.213	5.987	5.816
1417628	at	SupfH	NM 009297	Mm.20755	11	8.497	9.920	9.584	8.650	8.748	8.529	8.397	8.615	8.929	8.664	8.807	9.779	8.757	9.626	9.524	8.506	8.671	9.478	8.308	8.354	8.949	8.583	8.499	8.405
1417629	at	Prdm1	NM 011712	Mm.28456	16	8.859	8.628	8.977	9.061	9.035	9.098	8.526	8.797	8.635	8.651	8.223	8.735	8.601	8.352	8.894	9.094	9.213	9.418	9.399	9.153	9.195	9.236	9.400	9.373
1417630	at	Mknk1	NM 021461	Mm.209327	4	8.405	8.891	8.674	8.574	8.726	8.675	8.581	8.247	8.991	8.792	8.579	8.710	8.715	8.864	8.617	8.616	8.319	8.517	8.572	8.575	8.377	8.377	8.411	8.400
1417631	at	Mknk1	NM 021461	Mm.209327	4	7.415	7.452	7.366	7.562	7.397	7.502	7.376	7.345	7.745	7.509	7.546	7.492	7.499	7.485	7.460	7.488	7.309	7.263	7.380	7.489	7.144	7.180	7.223	7.425
1417632	at	Atp6v0a1	U13836	Mm.340818	11	10.767	10.921	10.758	10.818	11.013	10.648	10.660	10.556	11.001	11.023	10.686	10.997	10.833	10.774	10.634	10.812	10.682	10.785	10.549	10.639	10.590	10.320	10.538	10.644
1417633	at	Sod3	NM 011435	Mm.2407	5	8.730	8.851	8.590	8.538	8.764	8.858	8.384	8.508	9.243	9.178	8.687	8.835	8.957	9.241	8.704	8.628	8.317	8.631	8.746	8.430	8.294	7.946	8.190	8.136
1417634	at	Sod3	NM 011435	Mm.2407	5	7.322	7.509	7.382	7.334	7.290	7.430	7.273	7.087	7.524	7.373	7.370	7.324	7.524	7.584	7.305	7.426	7.108	7.328	7.392	7.272	7.248	6.997	7.247	7.151
1417665	a at	Scl6a1	NM 053193	Mm.45141	15	10.559	10.645	10.704	10.782	10.735	10.952	10.675	10.522	10.102	10.496	10.550	10.757	10.677	10.581	10.615	10.772	11.021	10.901	10.901	10.904	10.789	10.890	10.748	10.933
1417636	at	Scl6a9	NM 008135	Mm.244549	4	9.188	8.960	9.196	9.262	9.122	9.184	9.132	9.020	9.249	9.111	9.374	9.204	9.165	9.196	9.114	9.251	9.096	9.099	9.178	9.236	9.137	9.109	8.993	9.152
1417637	a at	Hmd20b	NM 010440	Mm.38474	10	8.310	8.872	8.088	8.280	8.624	8.284	8.245	8.672	8.881	8.680	8.357	8.842	8.616	8.244	8.230	8.150	8.547	8.736	8.316	8.364	8.359	8.452	8.112	7.863
1417638	at	Lefv1	NM 010094	Mm.378911	1	8.097	8.119	7.982	8.150	8.294	8.194	8.153	8.279	8.397	8.283	8.193	8.209	8.436	8.372	8.332	7.794	8.056	8.168	8.010	8.109	8.183	7.945	7.846	8.024
1417639	at	Scl22a4	BC010590	Mm.274540	11	6.901	7.341	6.619	6.563	7.347	6.540	6.546	7.354	8.095	7.882	7.565	7.877	7.649	7.407	6.930	6.505	6.249	6.800	6.603	6.336	6.532	6.145	6.274	6.514
1417640	at	Cd79b	NM 008339	Mm.2987	11	5.448	5.451	5.281	5.531	5.564	5.426	5.581	5.489	5.460	5.313	5.294	5.221	5.436	5.586	5.165	5.244	5.604	5.469	5.502	5.724	5.546	6.161	5.278	5.342
1417641	at	GaInt15	NM 026449	Mm.141471	5	4.573	4.320	4.281	4.485	4.373	4.463	4.553	4.475	4.457	4.425	4.389	4.361	4.425	4.512	4.416	4.448	4.406	4.449	4.469	4.593	4.573	4.453	4.460	4.545
1417642	at	Slc4a13	NM 055409	Mm.21688	7	6.047	5.800	6.047	5.828	6.278	6.001	5.808	6.312	5.822	5.858	5.907	5.856	5.744	6.666	5.744	6.666	5.744	6.666	5.744	6.666	5.744	6.666	5.744	6.666
1417643	at	Ssn	NM 025290	Mm.42743	15	12.278	12.567	12.441	12.528	12.635	12.606	12.615	12.355	12.657	12.385	12.339	12.385	12.339	12.385	12.339	12.385	12.339	12.385	12.339	12.385	12.339	12.385	12.339	12.385
1417644	at	Ssn	BC021484	Mm.49689	6	12.340	12.187	12.556	12.716	12.635	13.026	12.930	12.229	11.636	12.341	12.289	12.463	12.464	12.426	12.626	12.602	12.562	12.735	12.919	13.072	12.648	12.740	12.862	12.959
1417645	at	Ssn	BC021484	Mm.49689	6	10.267	10.072	10.120	10.687	10.406	10.815	10.614	10.495	9.496	10.711	9.832	10.456	10.353	10.078	10.415	10.457	10.415	10.885	10.688	10.630	10.809	10.707	10.867	10.722
1417646	a at	Snx5	NM 024225	Mm.273379	2	9.213	9.935	9.556	9.488	9.322	9.463	9.496	9.594	10.081	9.982	9.189	9.750	9.323	10.080	9.383	9.440	9.425	9.312	9.488	9.351	9.139	9.650	9.054	9.340
1417647	at	Snx5	NM 024225	Mm.273379	2	9.262	9.778	9.519	9.524	9.445	9.722	9.655	9.738	9.878	9.787	9.507	9.611	9.495	9.792	9.684	9.524	9.583	9.431	9.393	9.558	9.549	9.775	9.416	9.579
1417648	s at	Snx5	NM 024225	Mm.273379	2	9.223	9.178	9.417	9.358	9.380	9.475	9.473	9.616	8.910	9.276	9.383	9.173	9.172	9.351	9.687	9.396	9.758	9.234	9.189	9.538	9.715	9.561	9.673	9.771
1417649	at	Cdkn1c	NM 009676	Mm.168789	7	8.667	8.488	8.742	9.247	8.893	9.281	8.764	8.738	8.121	7.967	8.165	8.877	8.823	9.396	8.647	8.990	9.759	9.974	9.396	9.395	9.793	9.784	9.398	9.226
1417650	at	Scl6a12	NM 033552	Mm.214947	2	8.687	8.139	8.815	8.745	8.278	8.582	8.285	8.252	8.282	8.458	8.651	8.259	8.792	8.202	8.443	8.585	8.736	8.547	8.547	8.547	8.547	8.547	8.547	8.547
1417651	at	Cy2c29	NM 007815	Mm.20764	19	6.790	6.246	6.718	6.688	6.498	6.627	6.567	6.606	6.457	6.434	6.724	6.495	6.510	6.671	6.639	6.811	6.595	6.644	6.677	6.929	6.666	6.590	6.625	6.919
1417652	a at	Tbca	NM 009321	Mm.379025	13	11.537	12.088	11.369	11.545	11.888	11.613	11.569	12.203	12.264	11.952	11.920	12.105	12.096	12.030	11.719	11.370	11.774	11.881	11.666	11.397	11.806	11.818	11.378	11.231
1417653	at	Pvalb	NM 013645	Mm.2766	15	7.159	6.873	7.110	7.128	7.171	7.157	7.071	7.101	7.091	6.866	7.144	7.145	7.043	7.085	6.923	7.134	6.935	6.959	6.996	6.807	7.200	7.050	7.081	7.173
1417654	at	Sdc4	BC005679	Mm.3815	2	7.677	7.726	7.577	7.401	8.095	7.807	7.300	6.878	7.624	7.623	7.793	7.521	7.689	7.998	7.761	7.519	7.439	7.056	7.540	7.815	6.841	7.173	7.889	8.886
1417655	a at	Srsf2	BC019117	Mm.387734	5	9.778	10.339	9.964	9.911	10.005	9.827	9.789	10.012	9.929	10.047	10.102	10.018	9.871	10.118	9.946	9.906	9.784	9.829	9.628	9.590	9.834	9.928	9.775	9.889
1417																													

1417705	at	Otub1	NM	134150	Mm.203921	19	7.126	7.130	7.082	7.082	7.129	7.131	7.113	7.140	6.959	7.082	7.121	7.171	6.948	7.105	7.072	7.100	7.200	7.345	7.067	7.274	7.185	7.011	7.231	7.274	
1417706	at	Naalu	NM	013792	Mm.95452	19	7.901	8.378	7.813	8.195	8.426	8.121	8.054	7.963	8.290	8.387	7.715	8.559	8.516	8.439	8.233	7.949	8.360	8.224	8.062	7.906	7.965	8.140	7.559	7.862	
1417707	at	N4b2p21	NM	133898	Mm.279937	5	6.032	6.286	6.383	6.210	6.368	6.332	6.121	6.410	6.929	7.133	5.925	6.755	6.506	6.499	6.977	6.402	6.488	6.406	6.412	6.504	6.269	6.555	5.945	5.981	
1417708	at	Svt3	D45858	Mm.4824		7	5.282	5.167	5.341	5.243	5.333	5.252	5.408	5.289	5.314	5.138	5.344	5.334	5.172	5.307	5.243	5.508	5.596	5.432	5.363	5.440	5.484	5.558	5.484	5.402	
1417709	at	Cyvd4a1	NM	010010	Mm.41911	12	7.385	7.205	7.306	7.297	7.313	7.159	7.234	7.340	7.261	7.323	7.257	7.344	7.409	7.019	7.248	7.359	7.363	7.151	7.248	6.987	7.330	7.231	7.257	7.205	
1417710	at	Mett9	NM	021554	Mm.29122	7	11.864	12.341	11.910	11.946	12.022	12.145	12.046	11.957	12.072	12.161	12.269	11.981	11.914	12.278	12.151	11.929	11.850	11.867	12.022	11.835	11.725	11.965	11.793	11.781	
1417711	at	Mett9	NM	021554	Mm.29122	7	6.719	6.801	6.637	6.707	6.609	6.584	6.708	6.999	6.695	6.687	6.834	6.583	6.662	6.654	6.579	6.538	6.616	6.715	6.687	6.648	6.714	6.704	6.767	6.770	6.570
1417712	at	Eif2s2	AA985754	Mm.377134	2	11.929	12.374	11.864	11.756	11.720	11.823	11.871	12.150	12.083	12.078	12.050	11.758	11.970	12.231	11.699	11.946	11.843	11.697	11.757	11.689	11.829	12.054	11.693	11.670		
1417713	at	Eif2s2	AA985754	Mm.377134	2	9.553	9.971	9.162	9.293	9.466	9.282	9.404	9.651	9.829	9.552	9.420	9.658	9.546	9.653	9.137	9.156	9.482	9.524	9.358	9.130	9.372	9.524	9.227	8.857		
1417714	x	Hba-a1	NM	008218	Mm.196110	11	9.340	9.516	10.031	9.472	9.674	9.859	9.006	10.877	11.040	10.626	10.517	9.011	9.356	10.820	9.672	9.768	10.766	10.979	9.672	9.654	10.708	10.930	9.474	9.400	
1417715	a	Ubat2	NM	020169	Mm.230169	8	14.182	13.954	14.261	14.299	14.157	14.363	14.173	13.719	13.637	13.945	14.119	13.993	13.905	13.915	14.190	14.251	14.022	14.206	14.304	14.379	14.089	13.863	14.349	14.317	
1417716	at	Goir2	UC2470	Mm.230169	8	11.966	11.609	12.552	12.516	11.918	12.563	12.208	10.603	10.675	11.710	11.875	11.674	11.714	11.339	11.774	12.286	12.635	11.206	11.971	12.544	12.696	11.354	10.901	12.308	12.677	
1417717	a	Tvr	NM	011661	Mm.238127	7	6.262	5.806	6.163	6.206	6.085	6.167	6.153	6.158	6.260	6.149	6.192	6.077	6.211	6.344	6.109	6.166	6.107	6.178	6.159	6.192	6.036	5.989	6.317	6.296	
1417718	at	Eif3a	BC008511	Mm.427308	9	10.940	11.368	10.839	10.991	10.967	10.972	10.878	11.086	11.269	11.102	11.016	11.074	11.049	11.130	10.829	10.811	11.192	11.254	11.060	10.895	11.141	10.818	10.824	10.721		
1417719	at	Saa30	NM	021788	Mm.118	8	10.059	10.047	9.697	9.601	9.865	9.694	9.693	9.935	9.680	9.913	10.839	10.103	10.045	9.669	10.679	9.520	9.344	9.549	9.608	9.519	9.623	9.500	9.741	10.233	
1417720	at	Polr2l	NM	011293	Mm.4896	5	10.036	10.042	9.866	9.931	9.877	9.857	9.966	10.383	10.055	9.785	9.771	10.065	9.879	9.646	9.569	9.655	10.779	10.411	9.950	9.975	10.488	10.618	9.875	9.695	
1417721	s	Lapm5	AF364050	Mm.271868	4	9.138	10.423	9.058	9.439	9.447	9.282	9.514	9.166	10.539	10.094	9.945	9.476	9.714	10.351	9.332	9.024	8.620	8.696	8.941	8.439	8.847	8.787	8.696	8.766		
1417722	at	Pol8	BC006594	Mm.282284	8	9.813	10.163	9.612	9.609	9.994	9.947	9.614	9.701	10.444	10.425	10.074	9.945	10.324	10.010	9.918	9.697	9.612	10.417	10.223	9.755	9.656	10.114	10.294	9.376	9.751	
1417723	at	Ube2u1	NM	019586	Mm.259095	4	9.767	10.111	9.968	9.973	9.996	10.014	9.934	9.652	10.210	10.204	9.926	10.308	10.291	10.404	10.144	10.042	9.569	9.733	9.717	9.792	9.494	9.661	9.958	10.104	
1417724	at	Thoc4	NM	011568	Mm.1886	11	8.231	9.049	7.994	8.168	8.264	8.257	8.281	8.355	8.742	8.389	8.633	8.395	8.209	8.866	8.187	8.168	8.056	8.255	8.242	8.037	8.191	7.959	8.109	8.164	
1417725	a	Ssca1	BC021593	Mm.455818	19	7.818	8.311	7.692	7.599	7.747	7.610	7.798	8.421	8.128	7.870	7.810	7.974	7.882	7.771	7.358	7.319	8.712	8.497	7.755	7.776	7.178	8.505	7.938	7.540		
1417726	at	Ssca1	BC021593	Mm.455818	19	9.210	9.567	8.951	9.060	9.076	9.037	9.118	9.720	9.294	8.997	9.217	9.174	9.059	9.186	8.901	8.934	9.762	9.867	9.198	9.225	9.601	9.733	9.004	8.870		
1417727	at	Sfrs9	NM	025753	Mm.287826	5	9.006	9.936	9.132	9.195	9.514	9.437	9.292	8.846	9.765	9.637	9.512	9.385	9.542	10.025	9.410	9.123	8.669	8.909	9.068	8.873	8.705	8.939	9.128	9.042	
1417728	at	Mbd3	NM	013595	Mm.7142	10	8.920	9.493	8.880	9.276	9.088	9.213	9.005	8.730	8.947	9.036	9.105	8.817	8.824	9.062	8.878	8.961	8.830	9.132	9.182	8.969	8.973	8.655	8.960	8.973	
1417729	at	Mvh6	BB481540	Mm.290003	14	11.557	10.555	11.459	11.659	11.119	11.548	11.417	11.732	8.733	8.733	8.986	10.742	11.343	10.617	10.770	11.135	11.521	12.204	11.719	11.405	11.333	11.666	11.120	11.453	11.719	
1417730	at	Ext1	NM	010162	Mm.303995	15	9.701	10.502	9.744	9.698	10.123	9.860	9.769	9.832	10.842	10.454	10.617	10.253	10.563	10.352	10.163	9.848	9.368	9.506	9.621	9.517	9.235	9.347	9.174	9.451	
1417731	at	Ptbl9b57	BC006557	Mm.14616	X	8	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	6.748	6.857	
1417732	at	Mxa8	NM	013473	Mm.251458	14	8.654	8.111	8.355	8.558	8.202	7.703	8.598	8.605	8.681	8.661	8.918	8.674	8.624	8.612	8.612	8.612	8.612	8.612	8.612	8.612	8.612	8.612	8.612	8.612	
1417733	at	Rtn146	NM	026518	Mm.28930	10	11.679	11.249	11.578	11.606	11.628	11.629	11.433	11.320	11.170	11.326	11.186	11.424	11.413	11.260	11.494	11.709	11.287	11.378	11.545	11.615	11.380	11.383	11.935	11.648	
1417734	at	Akap8l	NM	017476	Mm.281005	17	8.931	9.022	9.155	9.275	9.016	9.070	8.841	8.798	8.732	8.928	8.721	9.158	8.851	8.772	8.831	9.078	9.044	9.039	9.077	9.119	9.059	9.033	9.847	9.176	
1417735	at	R180030J14Rik	NM	025470	Mm.7150	1	4.462	4.454	4.477	4.571	4.402	4.601	4.581	4.558	4.495	4.282	4.424	4.370	4.472	4.492	4.448	4.476	4.527	4.554	4.431	4.627	4.659	4.324	4.438	4.659	
1417736	at	Smc6	AV281575	Mm.173953	12	9.311	9.241	8.935	9.197	9.203	9.137	9.008	9.557	9.304	9.079	8.814	9.218	9.265	9.021	8.956	9.003	9.415	9.128	9.000	8.977	9.297	9.496	8.986	9.049		
1417737	at	Rres31	NM	020560	Mm.289402	8	10.757	10.262	10.589	10.489	10.104	10.450	10.545	10.706	9.839	10.040	10.365	10.186	9.916	9.870	10.083	10.530	11.020	10.825	10.541	10.646	10.890	11.000	10.332	10.513	
1417738	at	Mab2	NM	016899	Mm.26994	3	7.792	7.663	7.933	7.958	7.734	7.865	7.737	7.854	7.785	7.843	7.724	7.854	7.782	7.910	7.879	7.892	7.910	7.847	7.774	7.979	8.007	7.848	7.868	8.069	
1417739	at	Acad4	NM	020597	Mm.45324	11	8.191	8.671	8.494	8.557	8.156	8.219	8.487	8.255	8.299	8.479	8.295	8.299	8.479	8.295	8.299	8.479	8.295	8.299	8.479	8.295	8.299	8.479	8.295	8.299	
1417740	at	Cdc37l1	BB756370	Mm.78875	19	11.095	10.461	11.252	11.026	10.630	10.848	10.848	10.971	11.086	10.731	11.111	10.589	10.437	10.639	11.113	11.169	10.736	10.805	10.811	10.994	10.901	11.056	11.437	11.574		
1417741	at	Pycl	NM	133198	Mm.256926	12	7.387	8.208	7.412	7.609	7.917	7.629	7.734	7.459	8.687	8.518	7.437	7.934	7.701	7.978	7.814	7.598	7.304	7.422	7.586	7.362	7.240	7.468	7.241	7.502	
1417742	a	Dmap1	AF438610	Mm.29142	4	8.505	8.818	8.395	8.634	8.622	8.498	8.675	8.608	8.600	8.538	8.387	8.677	8.508	8.607	8.451	8.247	8.916	8.888	8.818	8.557	8.667	8.707	8.403	8.282		
1417743	at	Clk2	BC015080	Mm.288098	3	8.946	9.330	9.289	9.377	9.413	9.310	9.167	9.288	9.406	9.407	9.265	9.408	9.527	9.364	9.344	9.344	9.435	9.307	9.368	9.251	9.317	9.348	9.356	9.357		
1417744	a	Ralb	BC006907	Mm.27832	1	9.773	10.202	9.682	9.736	9.706	9																				

1417794	at	Zmym3	NM 019831	Mm.23458	X	7.936	7.834	7.934	7.988	8.039	8.078	7.953	7.630	7.917	8.071	7.355	7.802	7.867	7.745	7.730	8.126	8.035	8.249	8.106	8.080	7.934	7.922	7.930	7.890	
1417795	at	Chl1	NM 007697	Mm.251288	6	4.213	4.170	4.252	4.275	4.140	3.968	4.205	4.150	4.160	4.019	4.218	4.191	3.982	4.092	4.125	4.266	4.108	4.094	4.503	4.072	4.313	4.066	4.199	4.144	
1417796	at	Gps2	NM 019726	Mm.18026	11	7.553	7.346	7.331	7.247	7.360	7.072	7.286	7.540	7.336	7.266	7.379	7.704	7.398	7.084	7.262	7.188	7.871	7.850	7.269	7.379	7.844	7.837	7.239	7.118	
1417797	a at	1810019J16RIK	NM 133707	Mm.299081	4	3.711	3.712	3.631	3.798	3.681	3.805	3.799	3.590	3.594	3.591	3.643	3.688	3.707	3.733	3.769	3.713	3.604	3.872	3.722	3.839	3.758	3.693	3.736	3.983	
1417798	at	1810019J16RIK	NM 133707	Mm.299081	4	9.910	7.312	8.160	7.759	7.716	7.733	7.830	7.712	7.656	7.732	7.667	7.420	7.585	7.734	7.877	7.817	8.086	7.783	7.877	7.923	7.949	7.798	7.798	7.894	
1417799	at	Atg6v1g2	BC020190	Mm.396107	17	7.349	7.379	7.698	7.509	7.809	7.203	7.343	7.279	7.482	7.700	7.474	7.746	7.855	7.385	7.637	7.389	7.287	7.476	7.426	7.477	7.531	7.354	7.443		
1417800	at	Parp2	AF072521	Mm.281482	14	9.523	9.676	9.552	9.492	9.459	9.647	9.606	9.526	9.494	9.474	9.434	9.291	9.424	9.475	9.337	9.392	9.784	9.575	9.517	9.453	9.390	9.487	9.405	9.369	
1417801	a at	Pf1lbp2	NM 008905	Mm.2817	7	8.045	8.004	8.146	8.117	7.995	7.930	7.869	8.178	8.204	8.192	7.936	8.261	8.360	7.992	8.028	8.055	8.042	8.117	8.061	7.952	8.010	7.803	8.174	7.937	
1417802	at	1110032A04RIK	AF365876	Mm.45481	3	5.851	5.887	5.966	6.025	5.914	5.909	5.866	5.891	5.874	5.934	6.130	5.766	5.929	5.942	6.020	5.881	5.859	5.974	6.058	6.128	5.911	5.815	5.156	5.986	
1417803	at	1110032A04RIK	AF365876	Mm.45481	3	5.057	5.226	5.099	5.124	5.392	5.343	5.159	4.979	5.149	5.129	5.233	5.124	5.065	5.205	5.403	5.286	5.136	5.178	5.456	5.322	5.168	5.059	5.162	5.133	
1417804	at	Rasr2	NM 011242	Mm.77017	19	7.004	6.815	6.926	7.124	6.784	6.787	6.655	7.197	6.515	6.825	6.792	7.156	6.858	6.720	6.992	6.879	7.210	6.968	6.677	6.984	7.396	7.714	7.692	7.530	
1417805	at	Xmnp2	AF367247	Mm.126279	X	8.241	7.856	8.146	8.238	8.110	8.144	8.201	8.145	8.032	8.046	8.292	8.037	8.164	7.992	8.140	8.255	8.112	8.080	8.182	8.351	8.146	8.085	8.302	8.370	
1417806	at	Popdc2	NM 022318	Mm.390056	16	12.412	12.290	12.517	12.733	12.845	12.744	12.661	12.558	13.060	13.031	12.657	12.834	12.742	12.900	12.825	12.500	12.760	12.864	12.894	12.919	12.830	12.330	12.482	12.467	
1417807	at	Ufsn1	NM 027356	Mm.124666	5	7.377	7.616	7.442	7.462	7.346	7.484	7.581	7.989	7.386	7.070	6.997	7.543	7.168	7.251	7.101	7.409	8.122	8.328	7.741	7.773	7.822	7.827	7.122	7.413	
1417808	at	2310050C09RIK	NM 025621	Mm.144259	3	5.738	5.434	5.703	5.719	5.647	5.554	5.570	5.417	5.728	5.569	5.594	5.546	5.539	5.621	5.400	5.398	5.429	5.529	5.526	5.712	5.637	5.650	5.779	5.399	
1417809	at	Slc22a18	NM 008767	Mm.271740	7	6.686	6.721	6.451	6.889	6.662	6.545	6.713	6.550	6.457	6.625	6.592	6.842	6.809	6.720	6.757	6.674	6.826	6.590	6.699	6.418	6.876	6.728	6.773	6.856	
1417810	a at	Pacsin2	NM 019662	Mm.23978	15	12.060	12.440	12.405	12.384	12.139	12.268	12.182	12.437	12.034	12.007	11.984	12.145	12.118	12.214	12.106	12.337	12.588	12.446	12.335	12.373	12.375	12.367	12.352	12.299	
1417811	at	Slc24a6	NM 133221	Mm.291070	5	7.908	7.789	7.736	7.950	7.794	7.777	7.724	7.635	8.040	7.980	7.774	8.018	8.020	8.025	7.970	7.823	7.660	7.822	8.018	7.830	7.689	7.573	7.814	7.894	
1417812	a at	Lamb3	NM 008484	Mm.435441	1	8.722	7.931	8.428	8.747	8.737	8.670	8.563	7.644	8.678	7.278	7.745	7.801	7.600	7.196	8.020	8.414	9.255	8.886	8.801	9.011	8.905	8.533	8.700	8.295	
1417813	at	Ikbke	NM 019777	Mm.386783	1	6.870	7.272	6.657	6.891	6.879	6.802	6.804	6.641	7.174	7.307	6.781	7.251	7.058	7.387	6.866	6.582	6.517	6.771	6.662	6.598	6.755	6.759	6.625	6.432	
1417814	at	Pla2n5	AF162713	Mm.23347	4	8.559	7.967	8.638	8.939	8.225	9.083	8.400	7.691	6.980	7.815	7.748	8.252	7.723	7.580	8.636	8.683	9.281	9.026	9.431	8.948	8.840	9.118	8.927	9.269	
1417815	a at	Serinc3	NM 012032	Mm.218473	2	12.377	12.059	12.493	12.436	12.626	12.204	12.240	12.084	12.343	12.693	11.977	12.542	12.549	12.153	12.558	12.453	12.351	12.028	12.223	12.266	12.414	12.382	12.766	12.915	
1417816	s at	Serinc3	NM 012032	Mm.218473	2	6.841	6.743	7.128	6.815	7.122	7.185	6.883	6.630	6.926	6.934	6.684	6.699	7.261	6.882	7.078	7.257	6.968	6.535	7.081	7.338	6.758	6.936	7.702	7.727	
1417817	a at	Wwtr1	BC014727	Mm.405029	3	9.122	9.527	8.938	9.193	9.402	8.902	8.925	9.673	9.655	9.423	9.271	9.692	9.675	9.079	9.381	8.956	9.622	9.308	8.846	8.929	9.410	9.367	8.809	8.988	
1417818	at	Wwtr1	BC014727	Mm.405029	3	10.737	10.774	10.718	10.787	11.030	10.895	10.654	11.096	10.790	11.146	10.927	11.267	11.344	10.842	11.199	10.738	10.582	10.613	10.743	10.629	10.310	10.639	10.845	10.676	10.794
1417819	at	Tor1b	BB004887	Mm.249164	2	7.288	7.343	7.181	7.298	7.385	7.242	7.034	7.124	7.343	7.418	7.067	7.149	7.232	7.346	7.195	7.241	7.298	7.143	7.213	7.238	7.204	7.289	7.274	7.090	
1417820	at	1810019J16RIK	NM 133707	Mm.299081	4	8.948	7.312	8.160	7.759	7.716	7.733	7.830	7.712	7.656	7.732	7.667	7.420	7.585	7.734	7.877	7.817	8.086	7.783	7.877	7.923	7.949	7.798	7.798	7.894	
1417821	at	1D1H6556E-5	NM 033075	Mm.22506	17	7.170	7.760	6.953	7.505	7.827	7.607	7.576	8.942	9.177	9.156	8.562	7.755	8.173	8.629	8.157	7.162	7.298	6.717	7.162	7.908	6.717	7.162	7.200	6.986	
1417822	at	1D1H6556E-5	NM 033075	Mm.22506	17	8.656	10.773	8.438	8.882	8.792	8.923	8.983	10.022	10.254	10.378	10.650	8.980	9.440	10.728	9.646	8.524	8.184	7.793	8.295	8.165	8.376	8.494	8.667	8.230	
1417823	at	Gcat	AK013138	Mm.237085	15	8.543	8.261	8.237	8.486	7.963	8.123	8.130	8.055	8.093	7.770	7.784	8.095	7.872	7.891	7.665	8.295	8.836	8.939	8.607	8.417	8.784	8.547	8.251	8.212	
1417824	at	Gcat	AK013138	Mm.237085	15	6.594	6.151	6.316	6.631	6.147	6.400	6.170	6.243	6.288	6.329	6.466	6.380	6.465	6.314	6.367	6.197	6.440	6.374	6.331	6.553	6.288	6.251	6.506	6.440	
1417825	at	Esd	NM 016903	Mm.38055	14	12.252	12.908	12.168	12.127	12.454	12.366	12.136	12.223	10.783	10.793	12.549	12.719	12.655	13.202	12.613	12.232	12.225	12.392	12.513	12.162	12.362	12.228	12.101	12.223	
1417826	at	Akr1e1	BC012692	Mm.251926	13	9.724	9.523	9.734	9.758	9.527	9.709	9.725	9.605	9.572	9.561	9.506	9.592	9.508	9.604	9.498	9.743	9.709	9.692	9.812	9.888	9.640	9.683	9.559	9.537	
1417827	at	Ndv1	NM 021504	Mm.258381	14	10.622	10.651	10.843	10.950	10.734	10.782	10.721	10.796	10.617	10.869	10.486	10.955	10.840	10.642	10.871	10.860	10.725	10.697	10.841	10.787	10.670	10.816	10.776	10.849	
1417828	at	Rbm1	NM 133903	Mm.27982	7	7.892	7.627	7.787	8.056	7.278	7.602	7.905	8.931	7.925	7.986	8.917	8.918	7.958	9.278	7.883	7.502	7.812	8.954	7.756	7.848	8.905	8.726	7.737		
1417829	a at	Rab15	NM 134050	Mm.127847	12	8.510	8.745	8.112	8.386	8.432	8.193	8.286	8.539	8.671	8.447	8.744	8.427	8.535	8.590	8.457	8.330	8.289	8.060	8.167	8.135	8.242	8.194	8.476	8.220	
1417830	at	Smc1a	BB156359	Mm.26412	X	9.583	9.842	9.563	9.583	9.753	9.710	9.613	9.625	9.791	9.822	9.855	9.790	9.769	9.916	9.718	9.597	9.628	9.542	9.687	9.523	9.384	9.649	9.533	9.650	
1417831	at	Smc1a	BB156359	Mm.26412	X	9.346	9.850	9.036	9.230	9.330	9.322	9.183	9.281	9.502	9.505	9.476	9.322	9.392	9.447	9.201	9.143	9.389	9.230	9.409	9.312	9.225	9.269	9.210	9.142	
1417832	at	Smc1a	BB156359	Mm.26412	X	8.832	9.137	8.520	8.516	8.625	8.682	8.640	9.239	9.227	8.932	8.871	8.999	9.088	8.824	8.639	8.468	9.314	8.211	8.650	8.521	8.961	9.100	8.624	8.538	
1417833	at	Zc3h10	NM 134003	Mm.68289	10	7.874	7.991	7.890	7.994	7.705	7.865	7.870	7.919	7.895	7.791	7.662	8.230	7.769	7.828	7.859	7.805	8.056	8.138	7.911	7.893	8.032	8.069	7.899	7.803	
1417834	at	Smn2b0																												

1417883	at	Gstt2	BC012707	Mm.24118	10	7.227	6.823	7.054	7.256	7.283	7.375	7.076	7.504	6.994	6.903	6.704	7.552	7.221	6.802	7.238	6.946	8.846	8.120	7.509	7.799	8.138	8.390	7.178	7.173	
1417884	at	Sic16a6	NM 134038	Mm.265874	10	7.315	6.843	7.672	7.215	7.527	7.124	7.315	7.846	8.472	8.296	8.336	7.789	7.875	8.493	7.545	7.646	7.225	7.350	6.899	7.457	7.297	7.186	7.639	7.249	
1417885	at	Mapt	BC014748	Mm.1287	11	7.744	7.194	7.554	7.726	7.454	7.649	7.845	7.175	6.927	7.248	7.326	7.410	6.988	7.438	7.480	7.612	7.260	7.555	7.614	8.005	7.608	7.406	7.820	7.986	
1417886	at	Ints5	BE307471	Mm.290474	19	9.446	10.063	9.378	9.389	9.554	9.575	9.489	9.535	9.711	9.440	9.334	9.533	9.508	9.885	9.279	9.230	9.696	9.755	9.588	9.399	9.411	9.597	9.321	9.158	
1417887	at	Trin13	BE307471	Mm.290474	19	6.583	6.255	6.321	6.487	6.440	6.278	6.187	6.380	6.278	6.221	6.383	6.349	6.483	6.396	6.179	6.308	6.199	6.230	6.370	6.349	6.319	6.319	6.319	6.383	
1417888	at	Apin1	NM 023233	Mm.27709	14	8.033	8.396	8.303	8.340	8.413	8.232	8.571	8.112	8.155	8.470	8.399	8.260	8.176	8.304	8.287	8.678	8.610	8.729	8.820	8.490	8.560	8.509	8.404	8.251	
1417889	at	Trmhec2	NM 009694	Mm.281793	17	12.496	12.512	12.360	12.585	12.732	12.356	12.135	12.418	12.482	12.427	12.096	12.399	12.375	11.940	12.131	12.346	12.824	12.759	12.675	12.448	12.111	12.648	12.188	12.244	
1417890	at	Pdpk	NM 020271	Mm.263169	5	7.298	7.083	7.304	7.148	7.067	7.032	7.185	7.006	7.029	7.037	7.149	6.896	7.091	7.137	7.135	7.115	6.947	7.068	7.093	7.185	7.105	7.073	7.185	7.119	
1417891	at	Spsb3	NM 027141	Mm.274794	17	9.087	9.692	9.118	9.095	8.994	9.132	9.357	9.489	9.460	9.179	9.550	9.354	9.398	9.140	9.102	9.239	9.440	9.026	9.246	9.076	8.851	8.858			
1417892	a at	Sirt3	NM 022433	Mm.244216	7	10.372	10.537	10.539	10.776	10.386	10.653	10.481	10.515	9.928	10.172	10.154	10.554	10.040	9.898	10.285	10.533	10.932	11.015	10.822	10.854	10.797	10.865	10.613	10.561	
1417893	at	Sfxn3	NM 035197	Mm.361169	19	9.051	9.326	9.106	8.989	8.897	9.155	9.868	8.900	9.230	9.264	9.114	9.021	9.365	9.272	9.351	9.146	8.445	8.796	8.961	8.661	8.444	8.554	8.809	8.834	
1417894	at	Gpr7	NM 025309	Mm.27995	8	7.200	6.998	7.043	7.140	7.076	7.156	7.088	7.124	7.107	6.958	7.212	6.866	7.018	7.082	6.895	7.160	7.033	6.999	6.798	6.843	6.937	7.154	7.128	7.110	
1417895	a at	Tmem54	BC019563	Mm.25295	4	5.850	5.681	5.474	5.827	5.850	5.747	5.879	5.818	5.883	5.780	5.810	5.683	5.737	5.981	5.789	5.814	5.836	5.789	5.846	5.817	5.811	5.863	5.886	5.838	
1417896	at	Tjp3	NM 013769	Mm.27984	10	6.025	6.013	6.129	6.061	5.903	5.995	5.980	5.947	6.159	6.018	5.955	6.198	5.770	6.085	6.041	6.150	6.057	6.066	5.908	5.897	6.151	6.001	5.845	5.957	
1417897	at	Brms1	NM 134155	Mm.396119	19	7.764	8.204	7.714	7.625	7.677	7.695	7.814	7.536	7.968	8.053	7.718	7.909	7.754	8.056	7.910	7.928	7.509	7.880	7.952	7.828	7.795	7.553	7.770	7.520	
1417898	a at	Gzma	NM 010370	Mm.15510	13	6.191	5.904	6.119	6.244	5.979	6.080	6.099	6.046	6.060	5.863	6.088	5.941	5.917	5.947	5.908	6.071	6.021	6.086	6.113	6.082	6.259	6.064	6.376	5.918	
1417899	at	Zp3r	NM 009581	Mm.4644	1	4.371	4.131	4.156	4.397	4.298	4.125	4.388	4.142	4.167	4.272	4.388	4.016	4.396	4.338	4.367	4.180	4.139	4.200	4.112	4.154	4.124	4.412	4.197	4.245	
1417900	a at	Vldlr	NM 013703	Mm.4141	19	11.456	10.594	11.668	11.663	11.294	11.697	11.372	11.188	10.372	11.115	10.897	11.295	11.107	10.736	11.616	11.724	12.057	11.504	11.562	11.899	11.889	12.188	12.052	12.209	
1417901	a at	Ica1	NM 010492	Mm.275683	6	8.758	8.536	8.702	8.565	8.396	8.535	8.488	8.679	8.213	8.380	8.586	8.684	8.497	8.433	8.369	8.589	8.604	8.822	8.897	8.710	8.593	8.542	8.614	8.493	
1417902	at	Sic19a2	NM 054087	Mm.35444	1	8.941	9.105	9.272	9.063	9.148	9.240	9.096	8.956	8.863	9.175	9.359	9.285	9.239	9.194	9.343	9.292	9.309	9.137	9.389	9.390	9.207	9.202	9.453	9.372	
1417903	at	Dfna5h	NM 018769	Mm.461790	6	5.710	5.739	5.589	5.791	5.868	5.607	5.685	5.655	5.877	5.698	5.755	5.883	5.672	6.040	5.670	5.619	5.595	5.609	5.860	5.699	5.699	5.490	5.709	5.769	
1417904	at	Dclre1a	AF241240	Mm.2805	19	7.834	7.783	7.784	7.799	7.828	8.066	7.829	7.776	7.934	7.733	7.411	7.864	7.797	7.972	7.655	7.911	8.312	8.074	8.063	8.006	7.676	8.163	7.786	7.641	
1417905	at	Prl7a2	NM 011168	Mm.153999	13	4.120	4.103	4.134	4.073	3.977	4.209	4.106	4.075	4.012	3.923	4.113	4.217	4.057	4.060	4.087	4.098	4.105	4.180	4.097	4.142	3.955	4.010	4.086	4.135	
1417906	at	1700001F09Rik	NM 027940	Mm.335855	14	4.626	4.436	4.490	4.500	4.511	4.566	4.487	4.564	4.468	4.606	4.681	4.454	4.675	4.545	4.663	4.620	4.712	4.560	4.511	4.765	4.487	4.543	4.738	4.482	
1417907	at	Ube2i3	BC066549	Mm.3074	16	11.281	11.401	11.329	11.338	11.349	11.319	11.254	10.751	11.215	11.347	11.301	11.104	11.112	11.373	11.136	11.339	10.968	11.178	11.294	11.355	11.111	11.036	11.335	11.410	
1417908	s at	Ube2i3	BC066549	Mm.3074	16	10.931	10.923	11.191	11.262	11.085	11.127	11.081	10.665	10.803	10.902	10.947	10.888	10.711	10.855	10.991	11.244	10.835	11.028	11.202	11.217	10.936	10.927	11.311	11.140	
1417909	at	Secen1	NM 020777	Mm.240770	1	5.234	5.447	5.513	5.439	5.107	5.005	5.122	5.035	5.092	5.034	5.089	5.025	5.040	5.089	5.040	5.089	5.040	5.089	5.040	5.089	5.040	5.089	5.040	5.124	
1417912	at	Ccna2	X75483	Mm.4191	7	7.814	10.095	7.776	7.886	8.571	8.127	7.295	7.787	8.602	8.646	8.088	8.383	8.848	8.988	7.586	7.949	7.397	7.589	7.589	7.589	7.589	7.589	7.589	7.589	
1417911	at	Ccna2	X75483	Mm.4189	3	7.451	9.209	7.161	7.425	7.862	7.341	7.553	8.553	8.727	8.721	8.979	7.542	8.105	9.003	8.203	7.215	7.228	6.798	7.084	6.994	7.277	7.145	7.384	6.927	
1417912	at	Tmem93	NM 025318	Mm.73608	11	10.656	11.069	10.653	10.646	10.608	10.603	10.755	11.205	10.824	10.633	10.802	10.789	10.455	10.786	10.359	10.534	11.154	11.147	10.833	10.809	11.128	11.064	10.630	10.616	
1417913	at	Gins4	NM 024240	Mm.27945	8	8.313	8.983	8.714	8.614	8.662	8.847	8.506	8.615	9.046	8.967	8.465	8.627	8.663	8.872	8.704	8.666	8.753	8.859	8.810	8.720	8.771	8.785	8.750	8.723	
1417914	at	Rap2b	BB645629	Mm.422674	3	8.477	9.241	8.489	8.658	8.876	8.891	8.827	9.153	9.076	9.257	9.009	8.904	8.974	9.186	9.144	8.973	8.855	8.745	8.696	8.843	8.644	8.640	8.831	8.595	8.517
1417915	at	Rap2b	BB645629	Mm.422674	3	8.497	8.467	8.763	8.823	4.998	4.988	4.869	4.868	4.845	4.836	5.054	4.846	4.888	4.918	4.924	4.802	5.041	5.023	5.096	5.098	4.972	4.728	5.003	5.022	
1417916	a at	Fxc1	NM 019502	Mm.220330	7	8.343	8.463	8.164	8.371	8.750	8.267	8.334	8.258	8.351	8.900	8.700	9.027	8.854	8.782	8.337	8.124	9.159	8.768	8.325	8.124	9.070	8.957	8.297	8.080	
1417917	at	Snd51ap2	NM 009922	Mm.24634	9	3.959	4.336	7.822	7.943	9.100	8.845	8.458	8.227	8.753	9.077	9.203	13.891	9.246	9.934	7.599	7.097	7.356	7.356	7.356	7.356	7.356	7.356	7.356	7.356	
1417918	at	Mrol11	NM 025553	Mm.28494	19	11.702	11.628	11.738	11.679	11.629	11.682	11.802	11.756	11.576	11.489	11.527	11.702	11.411	11.531	11.414	11.733	11.789	11.943	11.789	11.839	11.807	11.710	11.564	11.529	
1417919	at	Ppdl1	NM 023200	Mm.88704	1	9.479	9.686	9.750	9.639	9.499	9.812	9.615	9.330	9.484	9.511	9.391	9.472	9.460	9.610	9.497	9.725	9.611	9.621	9.726	9.739	9.350	9.662	9.568	9.739	
1417920	at	Amn	NM 033603	Mm.197639	12	5.645	5.850	5.542	5.661	5.647	5.567	5.636	5.899	6.201	5.715	5.833	5.629	5.898	5.670	5.686	5.530	5.707	5.712	5.575	5.515	5.710	5.831	5.662	5.494	
1417921	at	2610029G23Rik	NM 026312	Mm.273405	X	7.615	8.829	7.363	7.639	7.973	7.578	7.715	8.604	8.714	8.387	8.338	8.140	8.396	8.552	7.769	7.471	8.207	7.717	7.659	7.366	7.865	8.395	7.794	7.018	
1417922	at	Kbtbd4	NM 025991	Mm.330394	2	8.422	8.176	8.407	8.509	8.399	8.381	8.475	8.306	8.336	8.310	8.295	8.226	8.307	8.409	8.397	8.436	8.444	8.545	8.521	8.575	8.398	8.427	8.456	8.523	
1417923	at	Pak3	BC014935	Mm.400335	X	7.597	8																							

1417972	s	at	Pop5	NM 026398	Mm.24636	5	9.438	9.764	9.312	9.558	9.449	9.418	9.594	9.593	9.326	9.247	9.408	9.061	9.317	9.183	9.215	10.088	10.099	9.751	9.731	9.984	9.813	9.494	9.409	
1417973	at	lth1	NM 008406	Mm.3227	14	6.564	6.413	6.392	6.450	6.493	6.291	6.557	6.442	6.276	6.422	6.486	6.515	6.396	6.374	6.373	6.406	6.294	6.283	6.482	6.435	6.502	6.419	6.454	6.443	
1417974	at	Kpna4	BF018653	Mm.30601	3	10.738	10.776	10.939	10.655	10.574	10.747	10.781	11.098	10.587	10.844	11.032	10.733	10.446	10.778	10.765	10.813	10.596	10.519	10.694	10.570	10.790	10.830	10.767	11.087	
1417975	at	Kpna4	BF018653	Mm.30601	3	8.128	8.190	8.052	8.073	8.098	8.095	8.116	8.219	8.058	8.005	8.432	8.050	7.993	8.207	8.261	8.041	8.274	7.864	8.135	8.028	8.020	8.200	8.209	8.325	
1417976	at	Adi	BC027014	Mm.32889	2	6.538	6.114	6.564	6.526	7.172	6.736	6.585	6.943	6.444	7.326	7.036	7.223	7.945	8.063	6.786	6.211	6.154	6.410	6.152	6.170	6.226	6.169	5.923		
1417977	at	Elf4e3	BC027014	Mm.32889	6	11.343	11.216	11.385	11.652	11.553	11.555	11.776	11.290	11.021	11.137	11.265	11.255	11.241	11.234	11.451	11.405	11.548	11.629	11.644	11.608	11.505	11.521	11.551	11.695	
1417978	at	Elf4e3	BC027014	Mm.32889	6	10.071	10.102	9.679	10.210	10.210	10.084	10.558	10.076	9.815	9.720	9.857	10.220	9.913	9.695	9.987	9.784	10.412	10.310	10.292	10.239	10.116	10.280	10.207	10.772	
1417979	at	Tnmd	AF291655	Mm.46221	X	4.778	4.547	4.533	4.528	4.992	5.141	4.545	4.818	4.672	4.714	4.785	5.611	5.434	4.841	5.389	4.578	4.670	4.944	4.866	4.999	5.164	4.559	4.792	4.679	
1417980	a	Insig2	AV257512	Mm.27136	1	9.883	9.888	10.077	9.960	9.928	10.000	10.140	10.097	9.872	10.081	9.957	10.169	9.678	9.794	10.213	9.992	10.056	10.008	9.979	9.896	9.940	10.160	10.073	10.281	
1417981	at	Insig2	AV257512	Mm.27136	1	11.291	11.467	11.426	11.335	11.364	11.572	11.484	11.335	11.125	11.479	11.411	11.384	11.271	11.351	11.491	11.450	11.334	11.336	11.448	11.514	11.249	11.326	11.391	11.506	
1417982	at	Insig2	AV257512	Mm.27136	1	10.276	10.786	10.179	10.416	10.400	10.461	10.500	10.439	10.782	10.763	10.459	10.469	10.484	10.531	10.322	10.309	10.482	10.713	10.600	10.456	10.729	10.540	10.581		
1417983	a	Ube2v2	AV241588	Mm.235407	16	8.141	8.147	7.817	7.705	7.723	7.633	7.705	8.035	7.995	8.218	7.994	7.944	7.864	8.123	7.672	7.796	7.988	7.625	7.582	7.399	8.026	8.298	7.693	7.795	
1417984	at	Ube2v2	AV241588	Mm.235407	16	6.510	6.417	6.776	6.485	6.404	6.386	6.503	6.822	6.515	6.559	6.604	6.381	6.540	6.560	6.601	6.560	6.477	6.618	6.703	6.536	6.243	6.245	6.465	6.617	
1417985	at	Nrarp	BI696369	Mm.46539	2	9.280	9.980	9.184	9.470	9.601	9.325	9.512	10.004	9.834	9.859	10.125	9.786	9.689	9.865	9.827	9.137	9.389	9.662	9.565	9.395	9.630	9.484	9.698	9.026	
1417986	at	Nrarp	BI696369	Mm.46539	2	9.648	9.541	9.366	9.557	9.508	9.438	9.547	9.745	9.444	9.538	9.682	9.504	9.575	9.497	9.913	9.522	9.422	9.590	9.571	9.628	9.449	9.389	9.675	9.575	
1417987	at	Btd	NM 025295	Mm.282679	14	8.382	8.639	8.506	8.543	8.673	8.488	8.465	8.560	8.689	8.707	8.510	8.802	8.609	8.561	8.615	8.453	8.459	8.731	8.609	8.651	8.595	8.452	8.407	8.233	
1417988	at	Resp18	NM 090949	Mm.4032	1	6.077	5.945	6.129	5.962	5.932	5.930	6.021	6.016	5.996	5.900	6.012	6.111	5.974	5.979	5.969	6.037	5.899	6.043	6.296	6.082	6.122	5.875	6.160	6.152	
1417989	at	Tssk1	NM 090945	Mm.439725	16	7.194	7.130	7.041	7.345	7.242	6.966	7.250	7.602	7.106	7.004	7.342	7.292	7.072	7.215	7.269	7.325	7.340	7.354	7.313	7.239	7.507	7.220	7.269	7.122	
1417990	at	Ppp1r14d	NM 028104	Mm.46317	2	4.962	4.890	5.286	5.234	4.970	4.965	5.183	5.033	4.832	4.865	5.115	4.622	5.020	5.131	4.978	5.009	4.963	4.765	4.982	5.166	4.445	5.002	5.139	4.975	
1417991	at	Dio1	NM 007860	Mm.148342	4	5.774	5.569	5.793	5.756	5.661	5.800	5.840	5.940	5.757	5.636	5.808	5.693	5.627	5.753	5.767	5.887	5.866	5.671	5.741	5.923	5.915	5.695	5.759	5.914	
1417992	a	Svs3a	NM 021363	Mm.389393	2	5.009	4.987	5.140	5.098	4.863	5.093	5.077	4.947	5.044	4.950	5.322	4.821	5.239	5.014	5.161	5.213	4.982	5.144	5.360	5.221	5.045	4.987	5.030	5.018	
1417993	at	Svs3a	NM 021363	Mm.389393	2	5.958	5.803	5.978	5.939	5.859	5.952	6.048	6.162	5.901	5.613	5.869	5.810	5.802	5.829	5.892	6.037	5.790	5.913	5.783	5.966	5.809	5.508	5.811	5.962	
1417994	a	Accn1	NM 007384	Mm.234998	11	7.291	7.024	7.129	7.010	7.155	6.950	7.048	7.167	7.037	7.084	7.006	7.028	7.283	6.966	7.085	7.082	7.130	7.212	7.088	7.130	7.212	7.088	7.152	7.209	
1417995	at	Ptpn22	NM 008979	Mm.395	3	4.972	5.177	4.963	5.069	5.080	4.998	5.019	4.926	5.270	5.119	5.219	4.896	5.227	5.480	5.178	5.123	4.866	5.062	4.824	5.339	5.060	4.832	4.825	5.070	
1417996	at	Nab	NM 022414	Mm.41395	12	8.114	7.835	7.947	8.232	7.958	7.988	8.184	8.147	7.933	8.066	7.891	8.033	7.861	7.946	8.086	7.895	8.017	7.855	7.873	7.987	8.139	7.929	7.808	7.982	8.107
1417997	at	Nab	NM 022414	Mm.41395	12	6.991	6.307	6.539	6.550	6.593	6.425	6.619	6.514	6.658	6.379	6.570	6.538	6.509	6.574	6.567	6.537	6.557	6.229	6.471	6.823	6.683	6.589	6.701	6.647	
1417998	at	Itm2b	NM 008410	Mm.4266	14	11.405	11.263	11.263	11.374	11.374	11.253	11.354	11.258	11.354	11.258	11.312	11.284	11.312	11.284	11.312	11.317	11.315	11.317	11.315	11.317	11.315	11.317	11.315	11.317	
1417999	at	Itm2b	NM 008410	Mm.4266	14	13.306	12.915	13.235	13.374	13.374	13.258	13.354	13.258	13.354	13.258	13.312	12.884	13.312	12.884	13.312	13.187	13.175	14.001	13.393	13.507	13.182	14.080	13.273	13.404	13.462
1418000	a	Itm2b	NM 008410	Mm.4266	14	14.173	13.961	14.294	14.335	14.193	14.226	14.162	13.888	14.088	14.143	13.896	14.147	14.275	14.053	14.289	14.339	14.189	14.153	14.194	14.259	14.148	14.130	14.194	14.262	
1418001	at	Itm2b	NM 008410	Mm.4266	14	5.989	5.793	6.144	6.073	5.991	6.030	5.978	5.893	5.931	5.890	5.954	5.955	5.848	5.966	6.077	5.902	6.049	6.047	5.929	6.042	5.980	5.924	6.180	6.008	
1418002	at	Higd2a	NM 025933	Mm.29353	13	12.455	12.346	12.717	12.313	12.566	12.366	12.571	12.924	12.671	12.421	12.517	12.913	12.675	12.198	12.390	12.195	13.107	13.116	12.542	12.530	12.967	12.991	12.549	12.186	
1418003	at	1190002H23Rik	NM 025427	Mm.29811	14	9.008	7.534	8.204	8.179	8.464	8.268	7.991	8.880	7.452	7.526	7.457	8.082	7.953	7.565	8.124	8.274	9.049	8.835	8.246	8.094	9.006	9.595	9.017	9.351	
1418004	a	Tmem176b	NM 023056	Mm.28385	6	10.815	11.371	10.637	10.953	11.677	11.010	10.670	11.033	12.047	11.928	11.501	11.714	11.881	11.491	11.387	10.523	10.760	10.838	11.002	10.317	10.785	10.626	10.086	9.741	
1418005	at	Sdhb	BC013509	Mm.246965	4	14.493	14.220	14.585	14.540	14.296	14.509	14.571	14.402	14.024	14.116	14.315	14.353	14.170	14.208	14.283	14.582	14.547	14.533	14.429	14.537	14.400	14.516	14.073	14.465	
1418006	at	Dclh1	NM 003760	Mm.24489	8	8.478	8.896	8.799	8.860	8.942	8.967	8.906	8.940	8.873	8.422	8.773	8.458	8.357	8.586	8.705	8.356	8.705	8.356	8.705	8.356	8.705	8.356	8.705	8.356	
1418007	at	1810007M14Rik	BM932567	Mm.347	16	7.583	8.228	8.191	8.258	8.130	8.413	8.218	8.084	8.411	8.406	7.948	8.243	8.167	8.430	8.132	8.178	8.171	8.242	8.196	8.019	7.859	8.413	8.060	8.254	
1418008	at	1810007M14Rik	BM932567	Mm.347	16	8.284	8.194	8.436	8.436	8.213	8.471	8.447	7.906	8.228	8.250	7.931	8.214	7.961	8.187	8.109	8.452	8.144	8.239	8.137	8.374	7.972	8.301	8.166	8.117	
1418009	at	1810007M14Rik	BM932567	Mm.347	16	5.137	5.035	4.968	5.221	5.051	4.852	5.264	5.081	5.012	4.872	5.319	5.072	5.023	5.268	5.021	4.882	5.111	5.060	5.085	5.032	5.356	4.955	4.949	5.079	
1418010	a	Sh3alb1	BB221842	Mm.271775	3	12.853	12.707	12.727	12.851	12.924	12.778	12.800	12.948	12.841	12.831	12.967	13.010	12.772	12.860	12.750	13.166	12.927	12.887	13.010	13.010	13.139	12.874	12.885		
1418011	a	Sh3alb1	BB221842	Mm.271775	3	9.851	9.985	9.955	9.993	10.090	9.959	9.712	9.652	9.978	10.120	9.930	10.119	10.203	9.741	10.060	9.945	9.987	10.022	9.901	10.013					

1418001 a	Ltpb2	NM 013599	Nm.3900	12	7.684	9.982	7.649	7.717	10.755	8.485	7.099	9.418	11.713	11.477	9.515	11.425	11.749	10.189	10.397	7.497	7.014	7.627	7.676	6.785	7.319	6.860	6.478	6.586
1418002 a	Erf1a2	NM 007906	Nm.2645	2	14.021	14.118	14.162	14.212	14.213	14.126	14.023	13.948	13.822	13.993	14.037	13.876	14.057	13.890	14.112	14.302	14.033	14.115	14.143	14.261	14.138	13.053	14.066	14.112
1418063 a	Kera	NM 008438	Nm.6228	10	5.277	4.963	5.424	5.052	5.149	5.585	5.301	5.270	5.311	5.280	5.311	4.999	5.167	5.216	5.444	5.391	5.137	5.473	5.412	5.455	5.309	5.072	5.324	5.381
1418064 a	Tfpt	NM 023524	Nm.358730	7	7.270	7.403	7.083	7.362	7.275	7.391	7.218	7.221	6.929	7.227	6.968	7.164	7.076	7.118	7.219	7.059	7.879	7.549	7.670	7.573	7.477	7.371	7.086	7.346
1418065 a	Ch2	NM 009020	Nm.4988	2	7.050	6.837	7.262	6.900	6.563	6.994	6.876	6.703	6.468	6.692	6.977	6.870	6.835	6.716	7.012	6.866	7.000	6.856	7.041	7.303	6.802	6.614	6.849	6.902
1418066 a	Rac2	AI323758	Nm.276826	12	11.292	11.294	11.188	11.396	11.395	11.576	11.679	10.989	10.647	11.088	11.157	10.640	10.958	11.208	11.294	11.250	11.051	11.286	11.463	11.413	11.371	11.359	11.242	11.636
1418067 a	Ch2b	AI323758	Nm.276826	12	11.292	11.294	11.188	11.396	11.395	11.576	11.679	10.989	10.647	11.088	11.157	10.640	10.958	11.208	11.294	11.250	11.051	11.286	11.463	11.413	11.371	11.359	11.242	11.636
1418068 a	Ndufa10	NM 024197	Nm.248778	1	10.489	10.026	10.589	10.438	10.349	10.465	10.511	10.390	9.851	10.780	10.317	10.424	10.574	9.802	10.330	10.597	10.770	10.775	10.648	10.724	10.726	10.683	10.703	10.762
1418069 a	Apo2c	NM 006965	Nm.28394	7	5.764	5.699	5.737	5.754	5.669	5.762	5.874	5.705	6.040	5.925	5.721	5.610	5.527	5.984	5.597	5.731	5.675	5.585	5.816	5.767	5.625	5.677	5.660	5.755
1418070 a	Cdvl	AF081260	Nm.29002	13	7.402	7.433	7.290	7.335	7.279	7.182	7.399	7.336	7.212	7.518	7.200	7.450	7.384	7.388	7.341	7.254	6.996	7.023	7.108	6.908	7.067	7.463	7.231	7.389
1418071 s a	Cdvl	AF081260	Nm.29002	13	8.966	8.912	9.055	8.835	8.932	8.861	8.860	8.812	8.939	8.962	8.807	8.935	9.000	8.874	8.978	9.011	8.749	8.903	8.894	8.723	8.618	8.960	8.638	9.006
1418072 a	Hist1h2bc	NM 023422	Nm.261676	13	10.785	10.689	10.370	10.376	10.836	10.219	10.388	11.541	11.075	10.760	10.626	11.524	11.288	10.296	10.398	10.218	11.710	11.076	10.166	10.301	11.537	11.479	10.469	10.328
1418073 a	Aoct1	NM 018736	Nm.268710	X	10.606	11.681	10.782	10.676	11.039	10.311	10.963	11.543	11.933	11.904	11.460	11.446	11.418	11.825	11.242	10.718	10.517	10.489	10.673	10.589	10.411	10.780	10.663	10.807
1418074 a	Sufaa1a	AK007601	Nm.27446	2	7.478	7.478	7.477	7.477			7.478	7.477	7.477	7.478	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477	7.477
1418075 a	Sf10alnac4	AK007601	Nm.27446	2	8.413	9.261	8.324	8.174	8.730	8.219	8.665	8.802	9.270	9.019	9.072	8.984	9.045	9.128	8.721	8.250	8.228	8.457	8.209	8.074	8.433	8.463	8.248	8.357
1418076 a	Stf4	NM 011776	Nm.243926	9	7.913	7.828	7.848	7.793	7.856	7.889	7.878	8.013	9.084	8.695	7.812	8.284	9.064	8.089	8.531	7.892	7.895	7.876	7.642	7.763	7.849	7.759	7.513	7.762
1418077 a	Trim21	BC010580	Mm.321227	7	7.847	7.794	7.834	8.114	7.861	8.076	8.330	7.739	7.866	7.818	7.930	7.637	7.738	7.913	8.012	7.838	7.757	7.888	7.962	8.062	7.793	7.384	8.017	7.862
1418078 a	Psmc3	UC003500	Nm.288477	11	8.932	9.021	9.166	8.903	8.864	9.230	9.144	8.487	8.465	8.809	9.107	8.564	8.849	8.920	8.771	9.169	8.691	8.686	9.032	8.901	8.656	8.557	9.277	9.368
1418079 a	Psmc3	UC003500	Nm.288477	11	9.151	9.052	9.100	9.048	8.987	9.077	9.338	9.254	9.387	9.278	9.256	9.254	8.997	9.516	9.037	9.076	9.177	9.363	9.530	9.214	9.247	9.237	9.185	9.156
1418080 a	Psmc3	UC003500	Nm.288477	11	9.151	9.052	9.100	9.048	8.987	9.077	9.338	9.254	9.387	9.278	9.256	9.254	8.997	9.516	9.037	9.076	9.177	9.363	9.530	9.214	9.247	9.237	9.185	9.156
1418081 a	Dnaic30	NM 025362	Nm.178012	5	10.676	10.752	10.610	10.610	10.535	10.640	10.526	10.744	10.956	10.411	10.530	10.180	10.538	10.322	10.558	10.702	10.953	11.066	10.799	10.711	10.831	10.999	10.179	10.588
1418082 a	Nm11	BC016526	Nm.10265	11	5.162	5.347	5.536	5.430	5.395	5.285	5.322	5.237	5.324	5.396	5.405	5.086	5.517	5.440	5.578	5.520	5.464	5.128	5.472	5.555	5.287	5.249	5.398	5.650
1418083 a	0610009B2R2rk	NM 025319	Nm.35693	11	10.210	10.169	10.149	10.289	10.231	10.067	10.151	10.341	10.076	10.017	9.705	10.298	10.139	9.921	9.982	10.297	10.701	10.300	10.479	10.298	10.408	10.393	10.241	10.163
1418084 a	Nrk1	AK011144	Nm.271745	8	11.734	12.051	11.703	11.911	11.800	11.804	11.795	11.891	11.624	11.792	11.582	11.787	11.805	11.859	11.674	11.613	11.999	12.077	11.956	12.050	11.548	11.758	11.254	11.395
1418085 a	Pnc2	NM 008860	Nm.28561	4	7.100	6.959	7.037	6.877	6.872	7.015	6.931	6.845	6.963	6.787	6.764	6.992	6.730	6.868	6.926	7.002	7.010	6.952	6.869	7.034	6.930	6.956	6.830	6.770
1418086 a	Tpfrp14a	NM 026731	Nm.2343	7	6.664	7.516	6.750	6.680	6.680	7.291	6.736	7.688	7.562	7.212	7.003	7.216	7.410	7.443	6.811	6.525	7.656	7.483	7.264	6.788	6.832	6.657	6.462	6.252
1418087 a	UC0066530	NM 018768	Nm.3973	16	9.4130	9.712	9.510	9.510	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516
1418088 a	Stx8	NM 018768	Nm.3973	11	8.625	8.588	8.338	8.471	8.423	8.264	8.515	8.599	8.599	8.354	8.408	8.450	8.486	8.456	8.284	8.342	8.857	8.608	8.413	8.441	8.779	8.617	8.353	8.530
1418089 a	Stx8	NM 018768	Nm.3973	11	10.139	10.624	10.270	10.217	10.480	10.280	10.278	10.570	10.490	10.314	10.195	10.496	10.534	10.350	10.295	10.263	10.465	10.516	10.241	10.327	10.515	10.524	10.146	10.064
1418090 a	Plvap	NM 023298	Nm.260768	8	8.512	9.361	8.160	8.486	8.296	8.785	8.235	8.578	7.980	8.981	9.076	7.993	8.639	8.187	9.185	8.396	8.726	8.952	8.782	8.179	8.341	8.341	8.104	8.130
1418091 a	Tpocp21	NM 023755	Nm.24621	1	6.048	6.199	6.291	5.979	6.240	5.882	6.118	6.291	6.424	6.420	6.052	6.239	6.050	6.166	6.213	6.389	6.184	6.017	6.249	6.317	6.095	6.033	5.881	6.161
1418092 a	Tric10	NM 134125	Nm.37368	17	11.475	10.971	11.393	11.591	11.279	11.502	11.381	11.186	10.856	10.974	11.290	11.284	11.249	10.911	11.161	11.421	11.646	11.636	11.714	11.583	11.761	11.769	11.547	11.638
1418093 a	Tric10	NM 134125	Nm.37368	17	11.475	10.971	11.393	11.591	11.279	11.502	11.381	11.186	10.856	10.974	11.290	11.284	11.249	10.911	11.161	11.421	11.646	11.636	11.714	11.583	11.761	11.769	11.547	11.638
1418094 a	Car4	NM 007607	Nm.1641	11	8.438	7.333	8.312	7.867	7.663	7.985	7.712	8.805	7.307	7.728	7.739	8.859	8.366	8.021	8.954	8.414	9.185	9.233	8.951	8.997	8.846	9.904	8.950	9.210
1418095 a	Smpx	NM 025357	Nm.140303	X	13.178	13.644	12.921	12.995	13.511	12.925	12.835	13.940	13.651	13.615	13.525	13.351	13.456	13.181	13.083	12.910	13.537	13.199	12.958	12.945	13.405	13.673	12.790	12.907
1418096 a	Dok3	NM 013739	Nm.33910	13	8.504	8.615	8.403	8.370	8.680	8.211	8.408	8.231	8.713	8.210	8.147	8.351	8.334	8.774	8.473	8.367	8.341	8.013	8.294	8.311	8.353	8.373	8.370	8.358
1418097 a	Crif2	NM 016715	Nm.35771	5	8.435	9.031	7.999	8.209	8.482	8.174	8.080	8.246	9.183	8.743	8.771	8.879	8.814	8.728	8.470	7.929	8.590	8.316	7.704	8.097	8.359	8.352	7.933	7.883
1418098 a	Acdv4	NM 080435	Nm.287010	14	8.855	8.844	8.748	8.689	8.630	8.524	8.589	8.891	8.723	7.887	9.347	8.994	9.951	8.754	8.812	8.858	8.677	7.800	8.438	8.642	8.670	8.762	8.714	8.680
1418099 a	Tpfr1b1	M60469	Nm.235328	4	8.325	9.226	8.656	8.780	8.653	8.595	8.573	8.817	9.257	8.999	8.449	9.127	8.933	8.708	8.445	8.606	8.130	7.904	7.898	7.898	8.812	8.046	8.374	8.263
1418100 a	AD002009H04Rk	NM 025362	Nm.178012	5	10.676	10.752	10.610	10.610	10.535	10.640	10.526	10.744	10.956	10.411	10.530	10.180	10.538	10.322	10.558	10.702	10.953	11.066	10.799	10.711	10.831	10.999	10.179	10.588
1418101 a	Hes1	NM 050376	Nm.246959	10	11.692	11.170	11.994	11.908	11.803	12.012	11.812	11.433	11.597	11.790	11.625													

1418150	at	Mtmr4	BO032797	Mm.399376	11	6.991	7.111	6.896	7.009	7.031	6.867	6.890	6.940	7.128	7.358	6.848	7.102	6.995	7.133	6.957	7.088	6.708	6.825	6.941	7.209	7.007	7.071	7.317	
1418151	at	Mtmr4	BO032797	Mm.399376	11	7.618	7.789	7.318	7.528	7.418	7.388	7.532	7.539	7.912	7.662	7.518	7.452	7.516	7.683	7.358	7.533	7.501	7.109	7.304	7.247	7.578	7.616	7.658	7.605
1418152	at	Nsbp1	NM 016710	Mm.298443	X	8.781	8.671	8.790	8.743	8.468	8.604	8.737	8.649	8.216	8.523	8.230	8.527	8.157	8.382	8.619	8.904	8.994	8.770	8.657	8.384	8.904	9.313	8.735	8.832
1418153	at	Lama1	NM 008480	Mm.303386	17	5.109	5.142	4.882	5.039	5.052	4.996	5.154	5.053	5.385	5.132	5.018	5.124	5.067	5.188	5.029	5.124	5.141	5.041	4.946	5.183	5.145	5.115	5.066	4.967
1418154	at	Nbip1	NM 030563	Mm.25117	8	9.350	9.496	9.310	9.434	9.342	9.380	9.446	9.144	9.390	9.470	9.581	9.269	9.365	9.460	9.361	9.364	9.340	9.485	9.317	9.438	9.284	9.339	9.461	9.405
1418155	at	Myl	NM 021484	Mm.143804	18	11.805	10.521	12.423	10.942	10.906	10.852	11.335	12.426	9.762	10.693	11.836	10.901	10.113	10.744	11.232	12.408	10.033	11.049	10.819	10.754	11.194	11.235	10.956	11.241
1418156	at	Kcne4	NM 021342	Mm.24386	1	8.768	8.582	8.464	8.464	8.694	8.856	8.450	8.243	8.733	8.668	9.054	8.708	8.903	8.876	8.698	8.629	8.115	8.103	8.332	8.157	8.114	8.354	8.891	8.743
1418157	at	Nr2l1	NM 010151	Mm.439653	13	6.025	6.237	6.387	6.552	6.401	6.209	6.389	6.813	6.586	6.526	6.132	6.837	6.724	6.486	6.699	6.145	6.965	6.828	6.286	6.482	6.655	6.816	6.325	6.082
1418158	at	Trp63	NM 011641	Mm.20894	16	5.227	4.801	4.853	4.987	4.985	5.031	4.991	4.995	4.834	5.121	4.764	4.921	4.886	5.183	4.818	4.922	5.043	5.318	4.481	5.135	5.137	5.022	5.074	5.002
1418159	at	Tcfcp2	NM 033476	Mm.219040	15	7.580	7.585	8.245	8.008	7.834	8.268	8.095	7.359	7.539	7.725	7.639	7.793	7.860	8.021	8.029	8.164	7.417	7.810	7.608	7.936	7.598	7.604	8.065	7.949
1418160	at	Mkcn3	NM 011746	Mm.146	7	4.435	4.473	4.385	4.462	4.650	4.653	4.410	4.518	4.607	4.692	4.404	4.557	4.306	4.481	4.535	4.471	4.610	4.486	4.709	4.756	4.460	4.452	4.478	
1418161	at	Jdh3	NM 020605	Mm.306870	8	7.969	7.517	7.591	7.718	7.555	7.603	7.875	7.554	7.778	7.496	7.767	7.537	7.728	7.644	7.590	7.704	7.654	7.696	7.801	7.948	7.708	7.677	7.704	7.580
1418162	at	Tlr4	AF185295	Mm.38049	4	9.470	9.100	9.936	9.984	8.574	8.221	8.760	9.014	9.053	9.302	9.585	9.194	8.958	9.949	9.333	8.758	7.856	7.677	7.574	7.939	8.877	8.841	9.617	9.688
1418163	at	Tlr4	AF185295	Mm.38049	4	7.590	7.559	7.322	6.818	7.248	7.176	7.228	7.169	7.516	7.834	7.884	7.408	7.611	7.729	7.556	6.688	6.441	6.676	7.122	6.966	7.003	7.701	7.014	8.186
1418164	at	Stx2	NM 007941	Mm.260716	5	8.635	9.200	8.636	8.671	8.828	8.635	8.747	9.193	9.451	9.306	8.988	9.396	9.234	9.233	9.040	8.505	8.705	8.683	8.496	8.430	8.840	9.100	8.583	8.574
1418165	at	Itln1	NM 010584	Mm.247426	1	5.681	5.856	5.641	5.699	5.712	6.203	6.058	5.910	5.746	5.508	5.879	5.855	5.825	5.699	5.867	5.983	5.789	5.947	5.859	6.031	5.797	5.932	5.764	5.834
1418166	at	Il12rb1	NM 008353	Mm.731	8	6.958	6.242	6.688	6.570	6.474	6.349	6.618	6.670	6.163	6.226	6.445	6.483	6.245	6.433	6.370	6.575	6.453	6.469	6.404	6.402	6.753	6.444	6.521	6.520
1418167	at	Tcfap4	NM 031182	Mm.273210	16	6.770	6.360	6.654	6.714	6.669	6.693	6.736	6.387	6.294	6.515	6.713	6.735	6.734	6.741	6.808	6.809	6.801	6.861	6.753	6.864	6.579	6.614	6.740	6.651
1418168	at	Zcchc14	BB223737	Mm.103202	8	9.573	9.243	9.485	9.613	9.571	9.669	9.372	9.471	9.306	9.459	9.531	9.573	9.571	9.410	9.625	9.566	9.647	9.592	9.572	9.517	9.608	9.638	9.747	9.800
1418169	at	Zcchc14	BB223737	Mm.103202	8	8.183	8.096	8.454	8.408	8.328	8.372	8.218	7.821	7.946	8.119	8.302	8.172	8.137	8.172	8.373	8.581	8.054	8.345	8.460	8.424	8.141	7.991	8.671	8.708
1418170	a	Zcchc14	BB223737	Mm.103202	8	8.842	8.789	8.566	8.982	8.808	8.867	8.661	8.675	8.652	8.826	8.824	8.906	8.884	8.653	8.845	8.691	8.816	9.073	8.782	8.713	8.768	8.890	9.063	9.017
1418171	at	Tceal8	NM 052703	Mm.182094	X	9.379	10.345	9.146	9.193	8.991	9.764	9.406	9.947	10.471	10.150	9.993	10.038	10.152	10.113	9.733	9.196	8.991	9.809	9.737	9.663	9.872	9.781	9.177	9.084
1418172	at	Hebp1	AF117613	Mm.378937	6	9.833	10.307	9.584	9.694	9.494	9.915	9.880	10.082	10.446	10.231	9.959	10.125	10.214	10.354	9.975	9.672	9.853	9.877	9.789	9.725	10.020	10.046	9.737	9.433
1418173	at	Krt25	NM 133730	Mm.268173	11	4.329	4.098	4.282	4.280	4.344	4.338	4.409	4.393	4.288	4.399	4.432	4.340	4.311	4.262	4.285	4.465	4.301	4.211	4.228	4.280	4.307	4.131	4.379	4.389
1418174	at	Dbp	BC018323	Mm.24222	7	9.611	9.285	9.256	9.989	9.983	10.344	10.092	10.061	8.537	8.943	9.410	10.512	9.870	9.314	9.801	9.298	11.338	11.241	10.497	10.892	11.027	11.223	10.154	9.729
1418175	at	Vdr	AV290079	Mm.245084	15	7.127	7.171	6.931	7.064	7.078	7.168	7.172	7.071	7.615	7.609	7.173	7.215	7.486	7.151	7.088	7.242	7.145	7.154	7.148	7.060	7.132	6.956	7.240	7.040
1418176	at	Vdr	AV290079	Mm.245084	15	6.967	6.977	6.657	6.736	6.737	6.763	6.735	6.703	7.273	6.802	6.354	6.689	6.486	6.645	6.558	6.158	6.273	6.153	6.153	6.153	6.153	6.153	6.153	6.173
1418177	at	Gabra2	AF233778	Mm.3759	15	7.828	7.828	7.912	7.852	7.708	7.738	7.852	7.924	7.847	7.924	7.847	7.924	7.847	7.924	7.847	7.924	7.847	7.924	7.847	7.924	7.847	7.924	7.847	7.924
1418178	at	Ita3	BC018383	Mm.276251	19	6.216	5.862	6.176	6.116	5.987	6.139	6.069	6.015	6.076	6.132	6.011	6.034	6.080	6.068	6.106	6.149	6.152	6.019	6.087	6.308	6.099	5.992	6.228	6.055
1418179	at	Atn	BC018089	Mm.41775	16	4.950	4.850	5.068	5.023	4.811	4.904	5.103	4.788	4.919	4.899	4.878	4.737	4.965	5.041	4.955	4.994	4.871	4.917	4.846	5.089	4.958	4.912	4.728	4.800
1418180	at	Sp1	BG916549	Mm.4618	15	9.713	9.810	9.773	9.852	9.728	9.880	9.703	10.245	9.983	10.014	9.969	10.375	10.343	10.041	10.082	9.819	10.036	9.779	9.641	9.741	9.766	10.366	9.824	9.886
1418181	at	Ptp4a3	AK014601	Mm.390807	15	12.032	11.444	12.055	12.109	11.648	11.613	11.553	11.546	11.195	11.335	11.343	11.529	11.471	11.301	11.609	12.142	11.895	12.383	12.256	12.137	11.916	11.662	12.010	11.726
1418182	at	Ptp4a3	AK014601	Mm.390807	15	7.339	6.896	7.277	7.327	7.014	7.190	7.138	7.004	7.023	6.995	7.045	7.050	6.931	7.136	6.888	7.360	7.159	7.262	7.418	7.400	7.126	7.193	6.973	6.953
1418183	a	Cvt11	AB013464	Mm.86413	11	10.123	9.894	10.069	10.107	10.006	10.033	9.941	9.969	9.407	9.584	9.570	9.761	9.583	9.463	9.688	9.997	10.295	10.454	10.066	10.083	10.130	10.205	10.103	10.266
1418184	at	Cvt11	AB013464	Mm.86413	11	7.725	8.296	7.469	7.934	7.579	7.867	7.518	7.916	7.985	7.613	7.479	7.539	7.927	7.587	7.654	7.905	7.656	7.928	7.656	7.928	7.656	7.928	7.656	7.928
1418185	at	4733401H18Rik	NM 032247	Mm.29471	9	9.526	9.731	9.511	9.598	9.644	9.584	9.797	10.034	9.417	9.342	9.536	9.781	9.537	9.296	9.454	9.392	10.220	10.288	9.777	9.674	9.959	10.086	9.449	9.598
1418186	at	Gstt1	BC012254	Mm.2746	10	8.875	8.536	8.886	9.339	8.843	9.601	9.172	8.589	8.498	8.584	8.173	8.939	8.789	8.665	8.809	8.797	9.685	9.566	9.217	9.239	9.409	9.498	8.844	8.947
1418187	at	Ramp2	AF146523	Mm.260698	11	10.739	10.971	10.784	10.898	11.156	10.831	10.752	11.044	10.868	11.079	10.971	11.347	11.256	10.892	11.253	10.758	11.140	10.971	10.827	10.966	11.514	11.579	11.427	11.036
1418188	a	Ramp2	AF146523	Mm.260698	11	12.472	12.338	11.972	12.085	12.116	11.971	11.889	12.844	12.372	12.084	11.936	12.249	12.284	11.503	11.765	11.964	12.465	12.112	11.814	11.621	12.522	12.889	11.925	11.686
1418189	s	Ramp2	AF146523	Mm.260698	11	14.694	14.700	14.597	14.651	14.616	14.601	14.619	14.624	14.569	14.629	14.537	14.682	14.619	14.514	14.611	14.557	14.588	14.561	14.507	14.580	14.542	14.576	14.553	
1418190	at	Pon1	NM 011134	Mm.237657	6	5.834	5.600	5.664	6.082	5.840	6.688																		

1418239	at	ApoF	NM	133997	Mm.26513	10	4.849	5.121	4.986	5.106	4.986	4.951	5.024	5.027	5.021	5.058	5.074	4.905	4.888	4.894	5.020	5.060	5.244	5.171	5.073	5.044	5.155	5.044	5.350	4.976	
1418240	at	Gbn2	NM	010260	Mm.24038	3	7.796	8.224	8.143	8.418	8.133	8.119	9.088	8.431	8.321	8.341	8.308	8.193	8.277	8.388	8.335	8.091	8.610	8.172	8.194	8.234	8.735	8.717	8.113	8.111	
1418241	at	Usf2	AW537576	Mm.322453	7	10.297	10.288	9.940	10.321	10.240	10.054	10.159	10.265	10.107	10.049	10.048	10.313	10.206	9.924	10.197	10.025	10.537	10.625	10.337	10.359	10.545	10.543	10.264	10.227		
1418242	at	Fat1	NM	007983	Mm.318259	4	11.318	11.188	11.269	11.326	11.217	11.259	11.215	11.224	10.942	11.046	11.131	11.192	11.120	10.626	11.147	11.233	11.542	11.467	11.320	11.443	11.346	11.045	11.300	11.306	
1418243	at	Fma	NM	007995	Mm.10510	2	8.540	8.581	8.768	8.881	8.123	8.642	8.636	8.351	8.224	8.351	8.364	7.993	7.681	8.475	8.831	8.591	8.450	8.492	8.672	8.317	8.459	8.563	8.237	8.524	
1418244	at	Nat5	NM	026425	Mm.151168	2	11.317	11.367	11.350	11.185	10.940	11.231	11.389	11.251	10.781	11.077	11.145	11.001	10.951	11.116	11.165	11.239	11.266	11.275	11.389	11.393	11.223	11.200	11.285	11.190	
1418245	a	Rbm9	BG277926	Mm.202774	15	7.752	8.337	7.763	7.984	7.991	8.030	7.899	7.232	7.782	8.078	7.786	7.891	7.860	8.077	7.655	7.847	6.912	7.678	7.895	7.659	7.224	6.625	7.700	7.585		
1418246	a	Rbm9	BG277926	Mm.202774	15	5.765	5.692	5.702	5.668	5.730	5.770	5.714	5.571	5.751	5.740	5.511	5.534	5.735	5.662	5.590	5.815	5.599	5.478	5.757	5.668	5.496	5.541	5.627	5.808		
1418247	s	Rbm9	BG277926	Mm.202774	15	6.954	6.832	6.827	6.597	6.642	6.776	6.919	6.397	6.628	6.871	6.589	6.618	6.524	6.938	6.543	6.791	6.386	6.372	6.591	6.594	6.576	6.326	6.644	6.570		
1418248	a	Gla	NM	013463	Mm.1114	X	5.133	6.654	5.243	5.191	5.244	5.236	5.153	5.246	5.917	5.759	5.334	5.240	5.379	7.044	5.381	5.516	4.752	5.027	5.514	4.890	4.958	4.891	4.864	5.093	
1418249	a	Crcp	NM	007761	Mm.18072	5	9.488	10.039	9.441	9.673	9.792	9.605	9.599	9.762	9.879	9.684	9.732	9.948	9.849	9.640	9.559	9.510	9.793	9.755	9.672	9.617	9.703	9.782	9.448	9.426	
1418250	a	Ar1ad	NM	025404	Mm.266840	11	8.989	8.483	9.117	9.050	8.882	9.130	8.920	8.815	8.794	8.700	8.734	8.705	8.861	8.669	9.007	9.117	9.061	9.250	9.176	9.267	8.943	8.733	9.235	9.035	
1418251	a	Tulp3	NM	011657	Mm.291783	6	6.996	6.717	6.960	6.920	6.744	6.710	6.779	6.877	6.797	6.604	6.823	6.604	6.655	6.910	6.784	6.636	6.800	6.394	6.746	7.026	6.645	6.691	6.852	6.750	
1418252	a	Padl2	NM	008812	Mm.2296	4	7.469	7.433	7.326	7.518	7.353	7.399	7.307	7.332	7.319	7.153	7.458	7.281	7.424	7.413	7.291	7.449	7.190	7.399	7.473	7.555	7.731	7.242	7.256	7.511	
1418253	a	Hspa4l	NM	011020	Mm.39330	3	9.353	9.428	9.543	9.461	9.445	9.539	9.524	9.196	9.420	9.791	9.626	9.466	9.414	9.489	9.499	9.705	9.087	9.570	9.960	9.976	9.270	9.252	9.709	10.042	
1418254	a	Ap1p	NM	019735	Mm.24772	2	10.564	10.297	10.494	10.582	10.357	10.390	10.485	10.867	10.085	10.066	10.204	10.353	10.247	9.869	10.254	10.434	11.011	10.861	10.616	10.670	11.041	10.960	10.357	10.486	
1418255	s	Srf	BI662291	Mm.45004	17	10.445	10.447	10.293	10.563	10.536	10.240	10.282	10.541	10.056	10.223	10.327	10.424	10.312	10.030	10.219	10.272	10.326	10.429	10.162	10.198	10.324	10.412	10.037	10.544		
1418256	a	Srf	BI662291	Mm.45004	17	10.222	10.433	9.765	10.129	10.127	9.700	10.002	9.976	10.301	10.248	10.387	10.325	10.249	10.203	9.966	9.946	9.999	10.133	9.941	9.925	10.166	9.792	9.937	10.011		
1418257	a	Slc12a7	BB732135	Mm.275800	13	12.042	12.170	12.239	12.323	12.333	12.223	12.336	12.102	11.762	12.035	11.931	12.077	12.070	12.149	12.075	12.249	12.184	12.454	12.384	12.548	12.210	12.211	12.261	12.512		
1418258	s	Ariodia	NM	133796	Mm.30016	11	12.501	12.059	12.567	12.453	11.934	12.582	12.687	12.002	11.305	11.951	12.026	12.013	11.818	12.088	12.216	12.563	11.759	12.247	12.467	12.697	12.140	11.967	12.648	12.459	
1418259	a	Entd2	NM	009849	Mm.475865	2	9.616	9.465	9.681	10.073	10.040	10.057	9.604	10.075	9.728	9.751	9.746	10.395	10.115	7.785	10.109	9.720	10.149	10.127	10.043	9.901	9.954	10.148	9.528	9.457	
1418260	at	Hunk	NM	015755	Mm.125874	16	6.884	6.723	6.620	6.734	6.720	6.888	7.037	6.419	6.965	6.681	6.621	6.592	6.585	6.568	6.469	6.783	6.506	6.748	6.555	6.768	6.896	6.706	6.804	6.785	
1418261	at	Syk	AW907526	Mm.375031	13	9.503	10.027	9.255	9.280	9.766	9.799	9.684	9.969	9.964	10.113	10.120	9.781	9.634	9.799	9.674	9.379	9.311	9.421	9.257	9.183	9.143	9.262	9.127	9.209		
1418262	at	Syk	AW907526	Mm.375031	13	7.724	8.343	7.425	7.550	7.901	7.582	7.812	7.870	8.230	8.331	7.972	8.034	8.033	8.191	7.971	7.688	7.528	7.637	7.663	7.541	7.616	7.493	7.449	7.512		
1418263	at	Ddx25	BC024852	Mm.291723	9	6.333	5.792	6.393	6.216	6.009	6.181	6.310	6.192	5.894	6.050	6.109	5.996	5.870	5.854	6.206	6.168	6.504	6.180	6.274	6.252	6.298	6.232	6.317	6.168		
1418264	at	Cenpk	NM	021790	Mm.281498	13	5.399	6.108	5.257	5.245	5.708	5.266	5.593	6.177	5.832	5.669	6.014	5.472	5.808	6.705	5.539	5.590	5.993	5.129	5.186	5.123	5.188	4.905	5.278	4.888	5.163
1418265	a	Fma	NM	007995	Mm.10510	8	8.540	8.581	8.768	8.881	8.123	8.642	8.636	8.351	8.224	8.351	8.364	7.993	7.681	8.475	8.831	8.591	8.450	8.492	8.672	8.317	8.459	8.563	8.237	8.524	
1418266	a	Alox12b	NM	009659	Mm.340329	15	9.313	9.676	7.535	6.594	5.806	6.553	5.706	5.497	5.661	5.561	5.655	5.338	5.739	5.607	5.757	5.610	5.735	5.627	5.913	5.907	5.712	5.188	6.688	5.514	
1418267	at	Mst1	NM	008243	Mm.8369	9	5.780	5.978	5.692	5.827	5.730	5.836	5.758	5.918	5.800	5.599	5.719	5.715	5.856	5.760	5.605	5.920	5.824	5.798	5.731	5.706	5.761	5.622	5.947	5.762	
1418268	at	Htr3a	NM	013561	Mm.4831	9	8.163	7.647	8.041	7.969	7.895	7.824	8.043	7.929	7.849	7.883	7.986	7.783	7.824	7.908	7.820	7.985	7.760	7.874	7.968	8.056	8.062	7.917	8.026	8.090	
1418269	at	Lox1	NM	013586	Mm.380433	6	8.123	10.269	8.175	8.200	9.236	8.402	8.023	8.477	11.086	10.591	8.898	9.819	10.303	9.875	9.213	8.200	7.915	8.212	8.258	8.258	7.931	7.815	7.835	7.905	
1418270	at	Admst8	NM	013906	Mm.100582	9	7.860	8.049	8.066	7.788	7.867	8.139	7.903	8.116	8.067	8.130	8.411	8.368	8.121	8.110	8.320	8.076	7.687	7.926	7.866	8.103	7.925	7.711	7.813	7.668	
1418271	at	Bhh1b5	NM	021560	Mm.149938	3	6.327	6.308	6.639	6.514	6.490	6.556	6.554	6.688	6.531	6.351	6.779	6.318	6.376	6.498	6.695	6.677	6.265	6.657	6.540	6.524	6.423	6.600	6.692	6.707	
1418272	at	Oxc12a	NM	022033	Mm.270287	4	5.639	5.509	5.608	6.009	5.386	5.644	5.694	5.863	5.567	5.363	5.640	5.640	5.593	5.615	5.596	5.559	5.746	5.640	5.481	5.550	5.810	5.693	5.696	5.702	
1418273	at	Nif2	NM	022033	Mm.270287	11	13.582	13.935	12.952	13.751	13.635	13.742	12.784	13.663	13.905	13.958	12.408	12.923	13.838	13.955	13.762	13.546	13.643	13.546	13.643	13.546	13.643	13.546	13.643	13.546	
1418274	at	Nif2	AA920031	Mm.269188	8	9.460	10.113	9.299	9.538	9.725	9.560	9.652	10.026	10.091	9.790	9.761	9.962	9.770	9.845	9.337	9.347	9.957	9.720	9.589	9.459	9.817	10.174	9.189	9.224		
1418275	a	Elf2	NM	023502	Mm.311038	3	9.735	9.553	9.561	9.377	9.438	9.511	9.598	9.888	8.824	9.300	9.041	9.193	9.305	9.163	9.354	9.619	8.768	8.900	9.145	9.151	9.179	9.163	9.386	9.903	
1418276	at	Elf2	NM	023502	Mm.311038	3	6.904	6.637	6.903	6.865	6.927	6.844	6.956	6.742	6.894	6.624	7.012	6.457	6.780	6.773	6.754	6.936	6.674	6.791	6.938	6.984	7.016	6.817	7.237	6.899	
1418277	at	rp9	NM	018739	Mm.38235	9	10.931	10.996	10.861	11.074	10.966	10.892	10.956	10.994	10.784	10.663	10.699	10.996	10.840	10.558	10.822	10.805	11.282	11.304	11.089	10.983	11.182	11.310	11.030	10.993	10.850
1418278	at	ApoC3	BC021776	Mm.390161	9	5.077	4.874	5.216	5.238	5.036	5.190	5.172	5.257	5.174	4.977	4.992	5.067	4.975	5.143	5.065	5.0										

1418328	at	Cpt1b	AF017174	Mm.358582	15	11.695	10.996	11.650	11.894	11.596	11.906	12.008	10.849	10.623	11.082	11.270	11.533	11.236	11.113	11.661	11.759	11.417	11.908	11.972	11.661	11.395	11.712	12.085	
1418329	at	Papep1	NM 023217	Mm.154906	8	8.060	8.235	8.470	8.407	8.059	8.121	8.108	7.788	8.321	8.365	7.831	8.491	8.194	8.509	8.289	8.496	7.937	8.085	8.155	8.132	8.226	7.998	8.118	8.204
1418330	at	Ctcf	BB836888	Mm.269474	8	8.873	8.902	8.858	8.992	9.069	9.137	9.082	9.122	8.880	8.904	8.642	8.880	8.932	8.952	8.853	8.837	9.301	8.954	8.982	9.244	9.530	8.945	8.979	
1418331	at	111003102Rik	NM 025402	Mm.390403	11	10.479	10.296	10.498	10.472	10.178	10.403	10.423	10.370	10.330	10.353	10.433	10.390	10.291	10.044	10.359	10.532	10.732	10.759	10.521	10.591	10.628	10.576	10.312	
1418332	a at	Atg10b1	NM 023328	Mm.153008	13	11.306	10.478	11.184	11.229	11.010	11.035	11.067	10.658	10.390	10.587	10.481	10.709	10.353	10.139	10.931	11.142	11.351	11.209	11.070	11.050	11.261	11.546	11.576	
1418333	at	Mtfl1	NM 008635	Mm.272397	4	8.900	8.787	8.681	8.792	8.865	8.959	8.747	8.071	8.898	8.741	8.760	8.743	8.749	8.691	8.609	8.641	9.138	8.953	8.893	8.455	8.997	8.817	8.873	
1418334	at	Dblf4	NM 031726	Mm.292470	5	6.658	6.447	6.507	6.662	6.723	6.861	6.992	6.736	6.504	6.814	6.938	6.722	6.743	6.811	6.719	6.647	6.381	6.284	6.065	6.411	6.514	7.161	6.343	6.646
1418335	a at	RP23-143A14.5	NM 027136	Mm.41496	11	8.099	8.785	7.980	7.774	7.140	8.019	7.983	8.392	8.354	8.305	8.325	8.422	8.286	8.549	8.113	7.848	8.357	8.359	8.343	8.174	8.175	7.985	7.947	7.873
1418336	at	Afq31	NM 054070	Mm.287475	8	8.043	8.247	7.895	8.231	7.890	7.994	8.026	7.987	7.770	7.720	7.928	7.887	7.799	7.587	7.877	7.852	8.013	8.000	7.894	7.938	8.130	8.060	8.119	8.009
1418337	at	Rpia	NM 009075	Mm.17905	6	9.426	9.455	9.298	9.472	9.416	9.395	9.585	9.262	9.124	9.226	9.545	9.252	9.197	9.425	9.201	9.467	9.364	9.626	9.529	9.530	9.447	9.356	9.515	9.502
1418338	at	Wdr33	BC009399	Mm.277705	18	10.016	10.005	9.988	9.909	10.124	9.913	9.890	10.097	10.114	9.983	9.918	10.260	10.157	10.131	9.917	10.049	10.442	10.454	10.157	10.102	10.222	10.355	9.916	9.847
1418339	at	Recol	NM 023042	Mm.27407	6	6.827	7.524	7.003	6.901	6.998	7.166	7.034	6.922	7.060	7.143	6.830	6.962	6.858	7.265	6.994	7.015	7.023	7.134	7.012	7.074	6.848	7.085	6.911	6.927
1418340	at	Fcer1b	NM 010185	Mm.22673	1	8.214	9.421	8.042	8.248	8.474	8.214	8.447	8.571	9.351	8.731	8.572	8.467	8.682	9.200	9.194	7.929	8.063	8.111	7.956	7.578	8.336	8.127	7.925	
1418341	at	Rab4a	NM 009003	Mm.9221	8	7.167	7.344	6.877	7.222	6.674	6.572	6.470	6.660	6.961	6.235	7.118	7.155	6.614	6.670	6.798	6.832	7.448	7.276	7.282	7.097	7.441	6.909	6.996	7.121
1418342	at	Rfc1	U01222	Mm.148877	5	9.098	9.123	9.089	9.273	9.060	9.265	9.133	8.695	8.990	9.034	8.629	9.025	9.025	9.094	9.058	9.155	9.232	9.285	9.252	9.372	9.087	9.210	9.217	
1418343	at	Gtf2ird2	NM 053266	Mm.218744	5	8.045	7.915	8.146	8.267	8.165	8.089	7.920	8.116	7.844	8.023	7.916	8.080	7.964	7.737	8.013	8.117	8.326	8.105	8.039	7.947	8.247	8.375	8.094	8.222
1418344	at	Tmem8	NM 021793	Mm.304656	17	7.382	7.611	7.179	7.365	7.343	7.366	7.242	7.367	7.641	7.525	7.703	7.237	7.217	7.551	7.188	7.332	7.430	7.236	7.415	7.418	7.364	7.126	7.199	7.256
1418345	at	Tnfrsf13	NM 023517	Mm.9893	11	7.497	8.171	7.609	7.548	7.748	7.596	7.529	7.770	7.361	8.089	7.605	7.973	8.141	8.094	7.900	7.554	7.881	7.663	7.841	7.622	7.856	8.011	7.498	7.372
1418346	at	Insl6	NM 013754	Mm.306511	19	5.890	6.296	6.031	6.213	6.233	6.196	6.288	6.595	6.474	6.273	6.192	6.390	6.243	6.513	6.051	5.979	6.196	6.173	6.193	6.184	6.126	6.063	5.852	6.038
1418347	at	Cdc22	NM 138603	Mm.288192	X	8.796	8.962	8.546	8.657	8.721	8.477	8.601	8.794	9.027	8.767	8.671	8.784	8.701	8.643	8.425	8.585	8.716	8.772	8.807	8.689	8.819	8.873	8.584	8.463
1418348	a at	Asc2	NM 029291	Mm.439906	11	6.924	7.750	7.015	7.009	6.934	6.939	6.845	7.058	7.508	7.491	7.086	7.092	6.981	7.292	6.861	6.875	6.696	6.805	6.840	6.780	6.946	6.794	6.837	6.787
1418349	at	Hbeaf	L07264	Mm.289681	18	9.779	10.545	9.235	8.489	9.626	9.943	9.062	10.007	10.585	10.815	12.301	10.559	10.606	10.385	11.157	9.164	8.187	8.331	8.406	8.331	8.920	8.691	9.552	10.199
1418350	at	Hbeaf	L07264	Mm.289681	18	10.330	11.044	9.236	8.777	10.306	9.211	9.400	11.044	11.308	11.126	12.715	11.184	11.158	10.573	11.458	9.326	9.026	8.652	8.642	8.395	9.674	9.209	9.904	10.466
1418351	a at	Dnm13b	NM 010068	Mm.89772	2	7.354	7.307	7.392	7.648	7.391	7.511	7.439	7.380	7.482	7.226	7.492	7.407	7.391	7.365	7.270	7.453	7.406	7.333	7.395	7.473	7.376	7.232	7.415	7.342
1418352	at	Hsd17b2	BC012682	Mm.276466	8	4.998	4.929	5.001	5.003	4.985	4.941	4.991	5.103	4.974	4.931	5.024	4.926	5.013	4.828	5.035	5.013	5.182	4.806	5.020	5.075	5.059	4.940	4.941	5.051
1418353	at	Cd5	NM 007650	Mm.779	19	6.630	6.385	6.593	6.526	6.524	6.551	6.513	6.287	6.417	6.441	6.467	6.286	6.306	6.248	6.425	6.496	6.482	6.534	6.352	6.730	6.444	6.641	6.555	6.695
1418354	at	Nucb2	NM 006024	Mm.162620	11	8.031	8.281	8.053	8.286	8.053	8.065	8.134	8.396	8.089	8.347	8.394	8.365	8.279	8.348	8.368	8.279	8.348	8.368	8.173	7.998	8.173	8.051	8.051	8.176
1418355	at	Nucb2	NM 016773	Mm.9902	12	7.806	8.005	7.114	7.912	8.320	7.904	8.506	9.307	9.007	8.464	8.467	8.770	8.939	8.770	8.939	7.924	7.886	7.770	7.937	7.298	7.937	7.298	7.937	8.023
1418356	at	Mpst	NM 138670	Mm.294215	15	8.560	8.246	8.387	8.500	8.570	8.432	8.486	8.481	8.458	8.421	8.295	8.452	8.399	8.179	8.393	8.600	8.888	8.784	8.633	8.544	8.619	8.819	8.475	8.306
1418357	at	Foxo1	NM 008241	Mm.185800	12	4.222	3.991	4.057	4.029	4.058	4.192	4.070	4.131	4.032	4.046	4.086	3.975	4.080	4.058	4.098	4.131	4.049	4.128	4.190	4.134	4.146	4.094	4.098	4.269
1418358	at	Smcp	NM 008574	Mm.331192	3	5.518	5.294	5.437	5.503	5.539	5.526	5.649	5.617	5.521	5.450	5.586	5.503	5.489	5.424	5.479	5.674	5.598	5.681	5.614	5.479	5.498	5.526	5.563	5.573
1418359	at	Wbscr27	NM 024479	Mm.475688	5	8.203	7.937	8.000	7.998	7.967	7.909	7.941	8.033	8.320	8.055	8.034	8.071	8.151	7.996	8.008	8.089	7.984	7.954	8.001	8.085	8.050	7.818	7.964	7.999
1418360	at	Rtnl12	NM 009548	Mm.89201	11	6.063	5.911	6.155	6.307	6.289	6.184	6.027	6.139	6.000	6.022	6.224	5.780	6.000	6.171	6.439	6.190	6.244	6.287	6.155	6.395	6.266	6.469	6.095	6.223
1418361	at	Gas8	NM 018855	Mm.117265	8	7.932	8.116	7.770	7.894	7.736	7.803	7.833	7.953	8.097	7.919	7.920	7.838	7.949	8.029	7.729	7.938	7.764	7.715	7.860	7.831	7.821	7.876	7.766	7.787
1418362	at	Retn1	NM 009055	Mm.183018	8	4.992	5.185	4.926	5.173	4.978	5.024	4.978	4.999	5.187	5.042	4.989	5.187	5.042	4.989	5.187	5.042	4.989	5.187	5.042	4.989	5.187	5.042	4.989	5.187
1418363	at	Laiba	NM 010679	Mm.5074	15	7.174	7.008	7.093	7.461	7.092	7.164	7.296	7.443	7.234	7.095	7.212	7.149	7.298	7.304	7.166	7.394	7.290	7.113	7.309	7.462	7.320	7.073	7.375	7.258
1418364	a at	Ftll	NM 010240	Mm.30357	7	11.004	12.279	11.041	11.040	11.357	10.907	10.710	11.076	12.323	11.908	11.604	11.540	11.519	12.124	11.123	10.935	10.989	10.865	10.797	10.559	11.267	11.512	11.112	11.156
1418365	at	Ctsh	NM 007801	Mm.2277	9	9.412	10.272	10.007	9.886	10.053	10.126	9.892	9.020	10.393	10.294	9.597	10.270	10.216	10.732	9.556	10.153	8.877	8.918	9.338	8.918	8.750	8.560	8.890	8.886
1418366	at	Hist2h2aa1	BC010564	Mm.261670	3	8.614	8.365	8.638	8.562	8.485	8.443	8.263	8.924	8.541	8.292	8.488	9.016	8.934	8.100	8.526	8.516	9.689	9.128	8.567	8.680	9.206	9.440	8.347	8.065
1418367	x at	Hist2b2aa1	BC010564	Mm.261670	3	9.247	8.892	9.473	9.167	9.188	9.059	9.097	9.196	9.094	8.840	9.122	9.653	9.340	8.767	9.287	9.318	10.061	9.807	9.396	9.479	9.907	9.933	9.193	9.038
1418368	at	Retn1b	NM 023881	Mm.21123	16	6.411	6.235	6.393	6.405	6.219	6.350	6.396	6.215	6.249	6.073														

1418417	at	Msc	NM	010827	Mm.5820	1	8.485	8.833	8.261	8.439	8.761	8.228	7.948	8.907	10.149	9.939	8.997	10.003	10.112	8.791	9.445	8.344	8.478	8.340	8.575	8.389	8.980	9.558	9.079	8.185	
1418418	a	at	Prl8a6	NM	011167	Mm.142728	13	4.430	4.149	4.257	4.243	4.167	4.316	4.361	4.309	4.341	4.156	4.449	4.175	4.142	4.267	4.201	4.467	4.292	4.269	4.209	4.272	4.393	4.269	4.248	4.240
1418419	at	FbxI20	NM	134030	Mm.218350	11	9.838	9.616	9.697	9.884	10.031	9.825	9.711	10.030	9.900	9.872	9.836	10.037	10.074	9.724	10.045	9.699	10.025	9.925	9.965	9.909	9.908	10.001	9.924	9.888	
1418420	at	Myod1	NM	010866	Mm.1526	7	6.742	6.401	6.702	6.619	6.810	6.638	6.578	6.638	6.644	6.711	6.723	6.396	6.426	6.678	6.754	6.671	6.619	6.538	6.696	6.631	6.723	6.724	6.638	6.893	
1418421	at	Bcl6b	NM	007528	Mm.12930	11	9.376	9.744	9.103	9.157	9.185	9.061	9.271	10.059	9.553	9.737	10.442	9.562	9.422	9.696	9.992	9.434	9.209	9.268	8.982	9.371	9.344	9.409	9.045	9.279	
1418422	at	Serpinb9	AF425083	Mm.202781	13	4.696	4.302	5.026	4.690	4.505	4.701	4.776	4.565	4.476	4.585	4.494	4.335	4.555	4.817	4.928	4.870	4.652	4.877	4.652	4.817	4.679	4.602	4.758	4.482	4.758	
1418423	s	at	Serpinb9g	AF425083	Mm.202781	13	7.171	6.850	7.188	7.133	6.969	6.977	7.152	7.203	7.001	6.992	6.990	7.135	6.943	6.875	7.053	7.141	7.025	6.966	7.076	7.163	7.335	7.192	6.844	7.337	7.294
1418424	at	Tnfrfa6	NM	009398	Mm.3509	2	8.006	7.716	7.392	7.254	7.259	7.010	7.083	7.331	8.025	7.592	8.765	7.324	7.700	8.107	7.624	7.270	6.175	6.306	6.651	6.533	6.808	6.730	7.352	7.241	
1418425	at	Sp7	NM	130458	Mm.263284	15	9.470	8.998	9.262	9.227	9.243	9.188	9.215	9.311	9.131	9.013	9.344	8.994	9.204	9.197	9.183	9.235	9.296	9.116	9.348	9.344	9.088	9.208	9.201	9.239	
1418426	at	GtF2a1l	NM	026360	Mm.61330	17	5.996	5.642	6.017	5.814	5.806	5.972	5.891	5.868	5.976	5.771	5.934	5.760	6.012	5.966	6.023	5.902	5.862	6.082	5.899	5.792	6.161	5.980	5.939	6.154	5.939
1418427	at	Klf5b	B1328541	Mm.223744	18	11.755	12.062	11.638	11.598	11.598	11.776	11.498	11.823	11.854	12.112	12.183	12.234	12.083	12.064	12.026	11.936	11.812	11.417	11.644	11.799	11.809	11.660	11.531	11.710	11.930	
1418428	at	Klf5b	B1328541	Mm.223744	18	9.857	9.835	9.849	9.510	9.850	9.106	9.886	10.240	10.688	10.360	9.820	10.264	9.556	9.972	10.078	9.872	9.414	9.520	9.577	9.254	9.881	9.893	9.730	10.160		
1418429	at	Klf5b	B1328541	Mm.223744	18	9.929	10.289	9.589	8.445	8.737	9.462	8.646	8.561	8.717	9.233	8.864	10.381	9.997	9.886	9.773	8.692	7.744	9.022	8.312	8.172	8.686	8.176	8.615	8.979		
1418430	at	Klf5b	B1328541	Mm.223744	18	11.026	11.108	10.879	10.710	11.205	10.560	10.985	11.525	11.179	11.386	11.190	11.245	11.145	11.050	11.005	10.756	10.784	10.862	10.674	10.748	11.063	11.107	11.067	11.560	10.885	
1418431	at	Klf5b	B1328541	Mm.223744	18	10.088	10.356	9.835	9.769	10.133	9.136	9.819	10.864	10.362	10.606	10.399	10.196	10.024	9.975	9.996	9.706	9.923	9.884	9.782	9.499	10.169	10.365	9.603	9.876		
1418432	at	Cab39	AK005226	Mm.26135	1	9.481	9.793	9.282	9.233	9.533	9.409	9.385	9.738	9.530	9.785	9.893	9.504	9.299	9.482	9.654	9.399	9.996	9.499	9.477	9.263	9.275	9.402	9.547	9.521		
1418433	at	Cab39	AK005226	Mm.26135	1	10.892	11.016	11.054	10.873	10.874	11.156	10.955	10.719	10.805	11.121	11.182	10.778	10.791	11.051	11.137	11.093	10.330	10.704	10.906	10.890	10.470	10.507	11.021	11.165		
1418434	at	Mkrr1	B0176661	Mm.270484	6	9.632	9.592	9.851	9.794	9.724	9.849	9.722	9.013	9.632	9.724	9.268	9.770	9.734	8.892	9.857	9.953	9.656	9.720	10.027	10.002	9.525	9.506	9.909	9.958		
1418435	at	Mkrr1	B0176661	Mm.270484	6	8.467	8.788	9.102	8.857	8.659	8.710	8.622	8.483	9.100	9.076	8.779	8.615	8.466	9.060	8.699	9.008	8.562	8.799	8.743	8.777	8.466	8.567	8.795	8.974		
1418436	at	Slx7	AB019212	Mm.248042	10	11.151	11.785	11.257	11.277	11.378	11.461	11.417	10.990	11.539	11.631	11.525	11.407	11.445	11.739	11.468	11.361	11.099	11.105	11.526	11.249	11.046	10.920	11.351	11.504		
1418437	a	at	Mlx	NM	011550	Mm.628	11	8.803	9.160	8.926	8.895	8.797	8.838	8.791	8.678	8.965	9.156	8.787	8.976	8.863	8.996	8.877	9.029	8.836	9.016	9.117	8.894	8.763	8.635	8.477	8.728
1418438	at	Fabp2	NM	007960	Mm.28398	3	4.657	4.696	4.726	4.801	4.669	4.775	4.926	4.847	4.515	4.717	4.688	4.736	4.619	4.627	4.586	4.814	4.674	4.732	4.673	4.934	4.896	4.565	4.777	4.667	
1418439	at	D10Erid322e	NM	026065	Mm.30008	10	13.152	12.796	13.373	13.225	12.952	13.324	13.249	12.968	12.485	12.687	12.911	12.870	12.645	12.746	13.025	13.328	13.220	13.474	13.398	13.474	13.259	13.184	13.342	13.370	
1418440	at	Col8a1	NM	007739	Mm.130388	16	9.342	11.412	8.942	9.045	11.644	9.314	9.076	11.036	12.279	11.995	11.037	12.062	12.302	11.141	11.400	8.864	8.410	8.818	9.084	8.327	8.491	8.428	8.123	7.918	
1418441	at	Col8a1	NM	007739	Mm.130388	16	6.575	7.735	6.109	6.429	7.688	6.841	6.439	6.998	7.976	8.075	7.471	7.923	8.120	7.661	7.745	6.468	6.216	6.146	6.407	5.977	6.207	5.886	6.286	6.187	
1418442	at	Xpo1	BC025628	Mm.217547	11	9.520	10.292	9.802	9.849	9.818	9.923	10.018	9.961	10.298	10.299	9.885	9.744	9.996	10.476	9.717	9.875	9.746	9.762	9.437	9.661	9.672	9.843	9.884	9.445		
1418443	at	Gd61	BC025628	Mm.217547	11	9.520	10.292	9.802	9.849	9.818	9.923	10.018	9.961	10.298	10.299	9.885	9.744	9.996	10.476	9.717	9.875	9.746	9.762	9.437	9.661	9.672	9.843	9.884	9.445		
1418444	at	Gd61	BC025628	Mm.217547	11	9.520	10.292	9.802	9.849	9.818	9.923	10.018	9.961	10.298	10.299	9.885	9.744	9.996	10.476	9.717	9.875	9.746	9.762	9.437	9.661	9.672	9.843	9.884	9.445		
1418445	at	Slc16a2	AW105741	Mm.388973	X	7.094	7.412	7.262	7.384	7.354	7.223	7.045	7.228	7.621	7.444	7.171	7.405	7.433	7.531	7.327	7.235	7.322	7.072	7.269	7.008	6.906	7.213	7.019	7.172		
1418446	at	Slc16a2	AW105741	Mm.388973	X	8.691	8.768	8.542	8.841	9.014	8.707	8.559	9.163	8.895	8.644	8.661	8.784	9.128	8.905	8.536	8.602	8.791	8.637	8.577	8.320	8.608	8.766	8.838	8.410		
1418447	at	Golga5	NM	013747	Mm.273370	12	10.173	10.042	10.088	10.199	10.332	10.195	10.013	10.062	10.215	10.123	10.013	10.309	10.347	10.156	10.211	10.180	10.461	10.386	10.395	10.333	10.244	10.309	10.257	10.252	
1418448	at	Rras	NM	009101	Mm.389894	7	10.721	11.523	10.606	10.712	11.278	10.798	10.781	11.359	12.056	11.758	11.335	11.926	11.824	11.356	11.479	10.625	10.871	10.851	10.633	10.571	11.095	10.937	10.709	10.709	
1418449	at	Lad1	NM	133664	Mm.36726	1	9.185	10.933	9.316	9.031	8.849	9.414	9.245	9.372	8.917	8.864	8.824	9.761	9.948	9.762	8.510	9.286	10.012	9.461	9.521	9.051	9.602	9.551	8.860	8.664	
1418450	at	Islr	NM	012043	Mm.440163	9	9.354	9.676	9.232	9.943	11.158	9.906	9.374	10.341	10.904	10.800	9.703	11.754	11.987	9.678	10.966	9.194	10.157	10.182	9.689	9.735	10.260	9.983	9.402	9.252	
1418451	at	Gna2	BB522409	Mm.41737	19	7.136	7.763	7.458	7.659	7.530	7.690	7.588	8.901	7.998	7.958	7.989	7.959	7.899	7.899	7.689	7.481	7.630	7.689	7.526	7.689	7.653	7.689	7.727			
1418452	at	Gna2	BB522409	Mm.41737	14	5.614	5.430	5.775	5.544	5.474	5.621	5.660	5.492	5.548	5.581	5.579	5.486	5.576	5.686	5.743	5.739	5.535	5.473	5.675	5.631	5.716	5.244	5.554	5.715		
1418453	a	at	Atp1b1	NM	009721	Mm.4550	1	11.629	12.847	11.624	11.578	12.540	11.801	11.838	11.832	13.043	13.109	11.998	12.465	12.374	12.276	12.175	11.877	11.438	11.779	11.862	11.741	11.202	11.176	11.214	
1418454	at	Mfap5	NM	015776	Mm.41931	6	8.845	10.622	8.569	8.605	10.712	9.069	8.184	10.781	11.754	11.302	10.314	11.036	11.376	10.551	10.723	8.615	8.211	8.618	8.771	7.926	8.319	8.325	8.058	7.723	
1418455	at	Copz2	NM	019877	Mm.22144	11	10.132	10.565	10.148	10.134	10.549	10.258	10.129	10.378	10.801	10.789	10.302	10.753	10.708	10.419	10.393	10.062	10.501	10.435	10.267	10.187	10.327	10.460	10.306	9.934	
1418456	a	at	Cxcl14	AF252873	Mm.30211	13	9.603	9.892	9.363	9.929	9.988	9.																			

1418506	a	at	Prdx2	NM	011563	Mm.347009	8	13.274	13.124	13.501	13.362	13.262	13.473	13.058	12.747	13.047	13.229	13.274	13.080	13.070	13.385	13.385	13.432	13.363	13.482	13.468	13.601	13.366	13.288	13.517	13.443
1418507	s	at	Socs2	NM	007706	Mm.4132	10	10.516	10.218	10.619	10.206	10.202	10.236	10.115	10.405	9.462	9.760	9.962	10.056	10.167	9.710	10.036	10.578	9.639	10.208	10.001	9.843	10.079	10.566	10.229	9.923
1418508	a	at	Grb2	BC064712	Mm.439649		11	10.783	10.899	10.948	11.139	11.075	11.201	10.879	10.572	10.536	10.670	10.376	10.697	10.703	10.732	10.820	10.911	10.959	10.965	11.014	10.996	10.101	10.779	10.847	10.899
1418509	at		Cbr2	BC010758	Mm.21454		11	9.518	10.360	9.674	10.245	9.891	10.150	10.144	9.823	10.023	9.512	10.049	9.153	8.655	10.102	9.141	9.641	9.619	9.955	9.634	8.990	9.931	9.904	9.130	9.286
1418510	s	at	Fbxo8	NM	015791	Mm.251174	8	10.493	10.607	10.807	10.786	10.566	10.724	10.643	10.486	10.239	10.485	10.459	10.702	10.531	10.488	10.633	10.788	10.779	10.701	10.779	10.849	10.849	10.801	10.867	10.789
1418511	at		Dpt	NM	019759	Mm.28935	8	11.439	10.743	10.911	11.680	11.789	11.825	11.662	11.837	11.372	11.484	11.034	11.797	11.668	11.418	11.507	11.611	10.988	11.426	11.507	11.611	11.291	11.769	11.315	11.212
1418512	at		Stk3	AK021111	Mm.262330		15	8.204	8.751	8.322	7.938	8.315	8.321	8.340	8.313	8.476	8.543	8.270	8.470	8.432	8.481	8.471	8.145	8.260	8.279	8.326	8.170	8.047	8.367	8.264	8.082
1418513	at		Stk3	AK021111	Mm.262330		15	7.220	7.547	7.392	7.134	7.210	7.350	7.355	6.977	7.315	7.531	7.278	7.173	7.284	7.593	7.593	7.460	7.039	7.358	7.727	7.542	6.958	6.692	7.303	7.641
1418514	at		Mtf2	BG066919	Mm.257149		5	8.274	8.458	8.159	8.130	7.991	8.379	8.366	8.432	7.926	8.159	8.258	8.211	8.069	8.219	8.060	8.069	8.360	8.319	8.288	8.192	8.175	8.544	7.701	8.097
1418515	at		Mtf2	BG066919	Mm.257149		5	8.936	8.918	8.785	8.758	8.802	8.909	8.922	8.878	8.464	8.782	8.770	8.683	8.582	8.731	8.907	8.847	8.733	8.792	8.788	8.849	8.832	8.781	8.714	8.889
1418516	at		Mtf2	BG066919	Mm.257149		5	8.708	8.089	8.795	8.802	8.824	9.032	8.951	8.959	8.547	8.649	8.745	8.791	8.693	8.787	8.829	8.764	9.120	8.835	8.979	8.924	8.945	9.019	8.629	8.705
1418517	at		Irx3	NM	008393	Mm.238044	8	9.208	9.427	9.411	9.380	9.224	9.209	8.878	9.518	8.883	9.168	8.960	9.978	9.820	9.027	9.131	9.322	10.323	10.049	9.936	9.748	9.804	9.897	8.942	9.269
1418518	at		Furin	NM	011046	Mm.5241	7	10.355	10.398	10.225	10.062	10.457	9.951	9.923	10.048	10.447	10.637	10.636	10.415	10.267	10.158	10.332	10.295	9.996	10.185	10.347	9.952	10.125	10.178	10.399	10.432
1418519	at		Aadaf	BC012637	Mm.35020		8	6.538	6.037	6.296	6.213	6.120	6.358	6.563	6.459	6.207	6.285	6.318	5.998	6.121	6.301	6.329	6.395	6.193	6.448	6.249	6.535	6.549	6.304	6.267	6.567
1418520	at		Tqoln1	NM	009443	Mm.246563	6	7.592	8.239	7.546	7.352	7.344	7.684	7.696	7.353	7.997	8.030	7.677	7.374	7.413	8.071	7.503	7.591	7.240	7.445	7.560	7.432	7.408	7.402	7.454	7.502
1418521	a	at	Mtx1	NM	013604	Mm.280943	3	10.963	11.180	10.806	10.965	10.982	10.880	10.852	11.181	11.077	10.805	10.823	10.927	10.990	10.984	10.685	10.877	11.256	11.097	10.920	10.963	11.260	11.099	10.882	10.758
1418522	at		Mtx1	NM	013604	Mm.280943	3	9.918	10.099	9.820	9.917	9.861	9.781	9.876	9.983	9.762	9.674	9.596	9.851	9.757	9.833	9.612	9.755	10.394	10.138	9.865	9.823	10.120	10.057	9.901	9.810
1418523	at		Arih2	NM	011790	Mm.290447	9	6.258	5.892	6.496	6.323	6.327	6.236	6.234	6.132	6.036	6.213	5.835	6.282	6.040	6.447	6.047	6.547	6.055	5.974	6.384	6.127	5.997	6.043	6.165	6.561
1418524	at		Pscm1	NM	023662	Mm.117896	8	7.116	7.003	6.753	6.517	6.691	6.726	7.033	7.556	7.188	6.956	6.882	7.392	7.019	7.013	6.664	6.437	7.760	7.229	7.050	6.788	7.129	8.230	6.857	6.947
1418525	at		Pcm1	NM	023662	Mm.117896	8	6.672	6.675	7.079	6.996	6.687	6.671	6.654	6.442	6.316	6.443	6.576	6.631	6.597	6.570	6.511	6.966	6.238	6.754	6.676	6.610	6.268	6.311	6.470	6.578
1418526	at		Fusip1	NM	010178	Mm.10229	4	7.949	8.136	7.899	7.447	7.709	7.904	7.866	7.715	7.730	7.888	7.592	7.737	7.922	8.000	7.942	7.936	7.315	7.244	7.510	7.643	7.698	7.851	7.912	8.366
1418527	a	at	Fusip1	NM	010178	Mm.10229	4	8.376	9.297	8.392	8.340	8.245	8.405	8.487	8.489	8.845	8.874	8.734	8.757	8.470	8.959	8.463	8.499	8.059	8.226	8.341	8.249	8.364	8.310	8.378	8.599
1418528	a	at	Dad1	NM	010015	Mm.319038	14	11.656	12.092	11.678	11.622	11.836	11.768	11.693	11.639	12.201	12.165	11.886	11.885	11.878	12.081	11.509	11.609	11.765	11.845	11.852	11.825	11.684	11.180	11.520	11.506
1418529	at		Osep	NM	133576	Mm.274791	14	9.907	9.793	10.120	10.225	9.789	10.173	10.042	9.699	9.405	9.501	9.654	9.807	9.466	9.622	8.992	10.023	10.292	10.362	10.261	10.206	10.259	10.171	10.150	10.198
1418530	at		Nup160	NM	021512	Mm.24532	2	7.769	8.520	7.849	7.826	8.059	8.006	7.865	8.258	8.178	8.354	8.349	7.883	8.089	8.461	8.033	7.864	7.904	7.829	7.838	7.650	7.799	7.790	7.739	8.087
1418531	at		Oosb1	NM	133353	Mm.24754	19	6.554	6.585	6.579	6.995	6.540	6.729	6.744	6.927	6.832	6.505	6.630	6.726	6.559	6.546	6.588	6.601	6.918	6.600	6.932	6.904	6.868	6.865	6.771	6.741
1418532	at		Fz2d	NM	031426	Mm.36141	11	7.302	6.671	7.223	6.958	7.277	6.684	7.311	6.837	6.560	6.831	6.980	6.830	7.357	7.485	6.980	6.820	7.357	7.485	6.980	6.820	7.357	7.485	6.980	6.820
1418533	x	at	Spic	BB371406	Mm.36416		17	7.338	6.671	7.223	6.958	7.277	6.684	7.311	6.837	6.560	6.831	6.980	6.830	7.357	7.485	6.980	6.820	7.357	7.485	6.980	6.820	7.357	7.485	6.980	6.820
1418534	at		Fz2d	BB371406	Mm.36416		17	7.321	7.730	7.420	7.383	8.049	7.712	7.436	7.740	8.886	8.994	7.105	8.597	9.015	8.034	8.107	7.267	7.649	7.831	7.706	7.592	7.362	7.151	7.059	7.072
1418535	at		Rql1	NM	016846	Mm.245270	1	7.401	7.261	7.383	7.472	7.395	7.347	7.398	7.615	7.495	7.388	7.800	7.930	7.521	7.458	7.332	7.426	7.476	7.440	7.372	7.217	7.293	7.401	7.191	7.383
1418536	at		H2-Q7	M29881	Mm.439743		17	7.071	7.623	8.526	8.175	7.546	7.731	10.441	8.676	7.957	7.974	7.058	7.680	7.976	7.868	7.500	8.536	7.151	7.046	7.060	6.672	8.348	7.848	6.499	6.179
1418537	at		Isc2b2	NM	026158	Mm.41385	7	7.712	7.563	7.605	7.772	7.893	7.707	7.892	7.885	7.865	7.652	7.486	7.870	7.816	7.629	7.701	7.763	8.347	8.095	7.966	7.848	7.978	8.015	7.687	7.776
1418538	at		Kdelr3	NM	134090	Mm.298199	15	8.038	10.070	7.699	7.992	9.083	8.349	7.874	9.188	10.343	9.801	9.019	9.563	9.783	9.809	8.820	7.713	8.299	8.321	8.182	7.766	7.973	7.892	7.213	7.400
1418539	a	at	Ptlr	U35368	Mm.945		7	7.207	8.228	6.852	7.151	7.236	6.821	7.239	7.722	6.254	8.071	8.225	7.731	7.619	8.021	7.375	6.719	7.260	7.268	7.375	7.214	7.104	6.676	6.887	7.154
1418540	at		Slfb1	NM	029358	Mm.279736	1	10.669	8.699	7.573	7.571	8.055	7.626	8.054	8.282	8.728	8.836	9.056	8.827	7.922	8.520	8.489	8.574	7.610	8.243	8.176	8.243	8.176	8.243	8.176	8.243
1418541	at		Cenpo	NM	134046	Mm.454057	12	5.591	6.127	5.820	5.673	5.805	5.829	5.794	5.878	5.887	5.972	5.507	5.677	5.841	6.055	5.839	5.868	5.681	5.870	5.935	5.817	5.810	5.735	5.825	5.766
1418542	s	at	Cenpo	NM	134046	Mm.454057	12	8.594	8.969	8.612	8.621	8.547	8.800	8.778	8.688	8.703	8.668	8.512	8.578	8.660	9.150	8.615	8.579	8.518	8.635	8.860	8.709	8.386	8.636	8.566	8.357
1418543	s	at	Kcd4c3	NM	025918	Mm.277638	11	9.062	9.170	9.123	9.039	9.075	9.192	9.287	9.053	8.818	8.942	8.959	9.080	8.856	9.047	9.013	9.173	9.150	9.183	9.250	9.229	8.973	9.088	9.161	9.226
1418544	at		Kcnp3	AF300870	Mm.315292		2	8.048	6.742	7.912	8.040	7.910	7.938	7.956	8.067	7.833	7.736	7.799	7.760	7.950	7.938	7.868	8.057	7.985	7.986	8.043	8.386	8.030	7.938	7.862	8.025
1418545	at		Wasf1	NM																											

1418595	at	S3-12	NM 020568	Mm.12966	17	11.537	10.882	11.220	11.179	11.354	10.957	11.021	11.275	10.842	11.015	10.565	11.213	11.165	10.516	11.318	11.321	11.993	11.249	11.163	11.101	11.566	11.814	11.632	11.744	
1418596	at	Fqtr4	NM 008011	Mm.276715	13	7.099	6.856	6.925	6.866	6.853	6.861	6.718	6.943	6.952	6.741	7.133	6.910	6.938	7.082	6.985	6.840	6.984	7.082	7.031	6.982	7.155	7.009	7.173	7.000	
1418597	at	Top3a	NM 009410	Mm.10708	11	7.039	6.986	6.904	6.915	6.890	6.731	6.972	6.874	6.948	6.519	6.538	6.722	6.928	6.810	6.696	6.708	6.856	6.866	6.882	6.817	6.673	6.796	6.798	6.776	
1418598	at	Ubox5	NM 080562	Mm.20790	2	7.729	7.532	7.620	7.736	6.875	7.614	7.666	7.737	7.588	7.579	7.637	7.575	7.459	7.651	7.572	7.738	7.951	7.766	7.757	7.705	7.768	7.594	7.616	7.775	
1418599	at	Colli1a1	NM 007729	Mm.209715	3	6.379	6.353	6.029	6.179	6.219	6.782	6.171	6.441	10.925	10.571	7.021	8.684	9.538	7.643	9.434	6.028	5.953	5.890	6.132	6.018	5.945	5.475	5.793	5.888	
1418600	at	Klf7a	NM 010635	Mm.10708	8	8.288	7.674	8.020	8.008	7.973	7.977	7.985	8.067	7.933	7.676	8.212	7.762	8.077	7.008	8.000	8.017	8.138	8.017	8.061	8.240	8.170	7.983	8.047	8.257	
1418601	at	Alkh1a7	NM 011921	Mm.14609	19	5.976	5.877	5.797	5.821	5.891	6.275	5.876	6.137	5.948	5.890	5.806	6.218	6.165	5.677	6.002	5.848	5.771	6.114	5.915	5.869	5.886	5.841	5.830	5.705	
1418602	at	Cdh15	NM 007662	Mm.1976	8	6.518	6.691	6.564	6.571	6.432	6.497	6.636	6.632	6.382	6.558	6.358	6.322	6.400	6.289	6.547	6.303	6.465	6.570	6.436	6.602	6.584	6.366	6.485	6.643	
1418603	at	Avpr1a	D49729	Mm.4351	10	5.868	5.400	5.687	6.016	5.636	5.841	5.757	5.517	5.717	5.533	6.003	5.456	5.495	5.640	5.485	5.505	5.741	5.668	5.645	5.649	5.830	5.605	5.505	5.681	
1418604	at	Avpr1a	D49729	Mm.4351	10	6.686	6.447	6.673	6.782	6.636	6.639	6.615	6.674	6.680	6.560	6.772	6.565	6.559	6.684	6.501	6.646	6.583	6.599	6.665	6.941	6.890	6.640	6.781	6.820	
1418605	at	Nr2c1	NM 011629	Mm.107483	10	7.582	7.613	7.365	7.512	7.535	7.508	7.521	7.671	7.710	7.400	7.394	7.616	7.561	7.513	7.549	7.316	7.588	7.481	7.568	7.391	7.520	7.626	7.464	7.363	
1418606	at	Hoxd10	BC013463	Mm.24420	2	4.343	4.055	4.514	4.439	4.234	4.209	4.063	4.272	4.261	4.249	4.214	4.193	4.126	4.247	4.303	4.251	4.288	4.156	4.466	4.369	4.295	4.335	4.179	4.126	
1418607	at	Zkscan14	NM 023322	Mm.423480	5	8.106	7.834	7.948	8.058	8.040	7.956	7.977	7.687	7.961	7.936	7.668	7.987	7.912	7.910	7.871	7.995	8.135	8.216	8.010	8.062	8.009	8.232	8.014	7.950	
1418608	at	Calml3	NM 027416	Mm.20079	13	5.745	5.584	5.423	5.784	5.644	5.566	5.816	5.638	5.580	5.690	5.619	5.711	5.820	5.421	5.564	5.627	5.628	5.825	5.805	5.695	5.567	5.682	5.814	5.688	
1418609	at	Il1f6	AF206697	Mm.133095	2	7.715	7.463	7.686	7.832	7.662	7.723	7.692	7.678	7.555	7.539	7.840	7.463	7.617	7.669	7.707	7.753	7.709	7.725	7.815	8.031	7.728	7.614	7.833	7.678	
1418610	at	Slc17a6	NM 080853	Mm.256618	7	5.173	4.822	5.255	5.094	5.144	5.288	5.466	5.167	5.100	4.857	5.102	5.124	5.044	5.290	4.909	5.153	5.079	4.902	5.170	5.172	5.374	5.183	5.504	5.300	
1418611	at	Gpr162	NM 013533	Mm.2514	6	8.422	8.003	8.230	8.149	8.233	8.029	8.210	8.251	8.255	8.031	8.313	8.021	8.186	8.203	8.235	8.320	8.233	8.119	8.208	8.343	8.181	8.016	8.275	8.113	
1418612	at	Sflr1	NM 011407	Mm.10948	11	6.292	6.702	5.842	5.852	5.864	6.141	5.897	5.749	5.945	5.976	6.256	5.738	5.827	6.540	5.904	5.922	5.778	5.747	5.761	5.637	5.723	5.804	5.722	5.610	
1418613	at	Kcnk1	NM 019659	Mm.390168	9	6.478	6.269	6.506	6.580	6.399	6.340	6.362	6.413	6.431	6.626	6.451	6.297	6.554	6.561	6.486	6.480	6.451	6.422	6.399	6.532	6.556	6.261	6.669	6.448	
1418614	at	Kcnk1	NM 019659	Mm.390168	9	6.430	5.948	6.085	6.133	6.139	5.984	6.127	6.255	6.140	5.894	6.374	5.981	6.325	6.092	5.949	6.203	6.066	6.040	6.089	6.179	6.186	6.183	6.238	6.098	
1418615	at	Kcnk1	NM 007495	Mm.329586	1	6.580	6.328	6.661	6.428	6.664	6.511	6.607	6.655	6.323	6.350	6.681	6.686	6.552	6.689	6.684	6.717	6.535	6.752	6.413	6.812	6.759	6.748	6.674	6.574	
1418616	at	Matf	NM 010757	Mm.157313	5	10.450	10.291	10.206	10.036	10.308	10.086	10.179	10.574	10.273	10.483	10.664	10.837	10.633	10.261	10.829	10.327	9.935	9.887	9.859	9.999	10.264	10.145	10.511	10.509	
1418617	x at	Clcn	NM 009904	Mm.358581	8	5.108	5.024	4.950	5.004	4.987	4.963	5.138	5.159	4.901	4.919	5.171	4.989	4.982	5.037	4.990	4.845	5.020	5.004	5.037	4.996	4.979	4.840	4.990	4.952	
1418618	at	Enc1	NM 010133	Mm.2657	1	4.108	4.076	4.170	3.984	3.973	3.949	4.158	3.980	3.913	4.139	4.033	3.937	4.051	3.922	3.796	4.029	4.209	3.944	4.104	4.210	4.118	4.047	4.064	4.181	
1418619	at	Ican5	NM 008319	Mm.4629	9	5.673	5.575	5.838	5.868	5.813	6.052	5.855	5.911	5.898	5.640	5.836	5.813	5.756	5.759	5.973	5.804	5.772	5.754	5.818	5.880	5.765	5.778	5.968	5.950	
1418620	at	Phox2a	NM 008887	Mm.5028	7	5.052	4.899	5.041	5.000	5.093	5.136	5.270	5.133	5.019	4.987	5.258	5.102	4.838	5.114	5.233	5.217	5.397	5.114	5.144	5.348	5.180	5.413	5.259	5.167	
1418621	at	Rab2a	NM 021518	Mm.397471	4	12.327	12.179	12.122	12.179	12.578	12.266	12.127	12.678	12.577	12.887	12.685	12.598	12.688	12.507	12.680	12.779	12.578	12.678	12.578	12.678	12.578	12.678	12.578	12.678	
1418622	at	Rab2a	NM 021518	Mm.397471	4	12.217	12.107	12.125	12.125	12.093	12.093	12.089	11.809	11.809	12.125	12.089	11.809	11.809	12.125	12.089	12.125	12.089	12.125	12.089	12.125	12.089	12.125	12.089	12.125	12.089
1418623	at	Rab2a	NM 021518	Mm.397471	4	8.242	8.165	8.020	8.118	8.139	8.169	8.178	8.155	8.299	8.108	8.183	7.930	8.262	8.344	8.063	7.997	8.048	8.080	8.167	8.291	8.239	8.248	8.155	8.186	
1418624	at	Ybx1	BC013620	Mm.258204	4	13.756	13.574	13.724	13.764	13.641	13.750	13.660	13.566	13.279	13.479	13.477	13.604	13.571	13.507	13.373	13.759	13.926	13.782	13.772	13.757	13.754	13.851	13.766	13.714	
1418625	s at	Gadph	NM 008084	Mm.304088	6	14.881	15.178	14.972	15.024	15.188	15.025	14.977	15.025	15.252	15.227	15.124	15.217	15.226	15.081	15.091	15.002	14.954	15.021	15.014	15.055	14.943	14.880	14.980	14.928	
1418626	a at	Clu	NM 013492	Mm.200608	14	13.138	13.893	12.963	13.071	14.099	12.996	12.459	13.036	14.096	14.151	13.842	14.181	14.137	13.940	14.232	12.939	12.433	12.588	13.149	12.385	12.713	12.314	11.835	12.143	
1418627	at	Gclm	NM 008129	Mm.292676	3	10.360	10.461	10.352	10.050	10.270	9.908	9.643	10.326	10.370	10.256	10.394	10.460	10.170	10.193	10.305	10.277	9.794	9.747	10.018	10.487	10.709	10.132	10.063	10.063	
1418628	at	Khrdrb1	NM 011317	Mm.8256	4	8.165	8.422	8.199	8.053	8.122	8.290	8.149	8.089	8.065	8.297	8.213	8.164	8.153	8.683	8.102	8.199	7.928	8.086	8.267	8.195	8.051	8.068	8.151	8.197	
1418629	at	Spatb1	NM 009317	Mm.255645	10	9.474	9.506	9.095	8.221	9.220	9.216	10.242	9.577	9.811	9.563	9.473	9.504	9.798	10.286	9.601	9.830	9.823	9.073	9.806	9.858	9.372	9.372	9.649	9.649	
1418630	at	Khrdrb1	NM 011317	Mm.8256	4	5.230	5.665	5.178	5.498	5.291	5.541	5.523	5.459	5.567	5.493	5.515	5.512	5.724	5.455	5.081	5.516	5.502	5.484	5.569	5.171	5.456	5.529	5.352	5.344	
1418631	at	LCCD0047093	BI694835	NA	6	9.941	9.926	9.999	9.942	10.017	9.902	9.849	9.718	10.032	10.238	10.001	10.008	10.146	10.081	10.134	9.928	9.654	9.835	9.989	9.851	9.758	9.912	9.700	10.055	
1418632	at	Ube2h	BI694835	Mm.332967	6	8.693	8.519	8.701	8.875	8.930	8.836	8.684	8.231	8.561	8.943	8.558	8.692	8.748	8.486	8.645	8.853	8.160	8.585	8.806	8.831	8.527	8.412	8.696	9.185	
1418633	at	Notch1	NM 008714	Mm.290610	2	8.614	8.668	8.649	8.826	8.695	8.856	8.580	8.763	8.826	8.650	8.978	8.844	8.905	8.592	8.747	8.781	8.807	8.842	8.669	8.745	8.776	8.741	8.936	8.819	
1418634	at	Notch1	NM 008714	Mm.290610	2	10.261	10.398	10.278	10.397	10.325	10.348	10.187	10.552	10.414	10.480	10.764	10.388	10.443	10.322	10.456	10.373	10.253	10.529	9.999	10.169	10.470	10.824	10.714	10.397	
1418635	at																													

1418684	at	Zfp33b	NM 027142	Mm.69919	5	7.699	7.621	7.742	7.841	7.812	7.673	7.767	7.862	7.875	7.629	7.470	7.673	7.657	7.670	7.547	7.648	7.930	7.520	7.772	7.713	7.749	7.697	7.714	7.456
1418685	at	Tirap	NM 054096	Mm.23987	9	7.703	7.940	7.272	7.600	8.076	7.634	7.834	7.685	8.336	8.140	7.942	7.720	8.001	7.744	8.139	7.620	8.482	8.208	8.266	8.271	8.183	8.145	8.016	7.879
1418686	at	Oas1c	NM 033541	Mm.42320	5	6.800	6.947	6.625	6.456	6.552	6.601	6.553	6.805	6.648	6.624	6.596	6.685	6.809	6.822	6.505	6.714	6.836	6.667	6.619	6.351	6.588	6.639	6.596	6.621
1418687	at	Arc	NM 018790	Mm.25305	15	7.966	7.831	7.881	7.650	8.944	8.541	8.215	7.716	8.088	7.951	10.796	7.184	8.349	8.756	9.080	7.969	8.931	8.746	8.444	8.190	8.529	8.529	8.212	8.877
1418688	at	Calsr	NM 007598	Mm.4542	6	4.737	4.342	4.771	4.627	4.500	4.579	4.697	4.487	4.470	4.432	4.539	4.367	4.571	4.723	4.615	4.638	4.531	4.488	4.728	4.538	4.554	4.745	4.616	
1418689	at	Cts6	NM 021445	Mm.143794	13	4.308	4.098	4.517	4.406	4.287	4.251	4.199	4.236	4.132	4.231	4.343	4.432	4.282	4.344	4.506	4.427	4.298	4.344	4.177	4.285	4.196	4.342	4.184	
1418690	at	Ptcr2	NM 011219	Mm.41639	6	5.001	4.648	4.863	4.740	4.644	5.169	5.335	4.815	4.505	4.508	4.810	4.788	4.782	4.667	4.915	5.215	4.853	5.041	5.296	5.257	4.995	4.482	5.078	5.169
1418691	at	Rqs9	NM 011268	Mm.38548	11	9.304	8.926	9.230	9.160	9.187	8.923	9.153	9.261	9.244	8.998	9.297	8.911	9.072	9.234	9.007	9.165	8.993	9.164	9.147	9.321	9.243	9.056	9.273	9.243
1418692	at	Rab8a	BC019990	Mm.162811	8	9.742	10.122	9.865	9.909	9.899	10.004	9.901	9.576	9.936	10.022	9.981	8.800	9.852	10.109	9.904	9.747	9.664	9.900	9.932	9.999	9.690	9.494	9.756	9.853
1418693	at	Hnnpnc	NM 016884	Mm.427321	14	10.158	9.840	10.341	10.151	9.898	10.284	10.165	9.856	9.659	10.038	10.059	10.021	9.917	9.986	10.098	10.423	9.994	9.975	10.110	10.282	10.038	10.296	10.263	10.384
1418694	at	Kcmf1	BG071725	Mm.29194	6	10.625	10.097	10.734	10.671	10.156	10.581	10.826	10.320	9.928	10.100	10.195	10.257	10.164	10.015	10.447	10.703	10.437	10.580	10.783	10.788	10.459	10.690	10.728	10.181
1418695	a	Kcmf1	BG071725	Mm.29194	6	11.899	11.937	11.936	11.922	11.882	11.879	11.903	11.784	11.922	11.997	11.932	12.018	11.913	11.925	11.874	11.953	11.859	11.927	11.974	11.926	11.916	11.858	12.008	12.028
1418696	at	Ttcb	NM 138951	Mm.325487	9	6.910	6.657	6.692	6.997	6.861	6.848	6.886	7.087	6.810	6.652	6.971	6.753	6.908	6.936	6.885	6.972	7.029	6.956	6.779	6.744	6.815	7.028	6.982	6.904
1418697	at	Inmt	NM 009349	Mm.299	6	7.903	7.101	7.984	8.249	7.510	9.059	7.964	7.606	7.388	7.388	7.435	8.293	7.168	7.546	8.423	7.992	6.880	7.762	8.704	8.479	9.025	8.900	7.703	7.620
1418698	a	Fech	NM 007998	Mm.1070	18	10.231	9.922	10.687	10.472	10.195	10.392	10.255	9.958	9.849	10.184	9.921	10.272	9.866	9.963	10.196	10.588	10.508	10.427	10.388	10.374	10.390	10.498	10.514	10.670
1418699	s	Fech	NM 007998	Mm.1070	18	11.862	11.528	12.155	11.999	11.854	12.102	11.937	11.626	11.565	11.668	11.716	11.840	11.717	11.708	11.803	12.209	12.090	12.004	12.113	12.174	12.002	12.047	12.196	12.098
1418700	at	Lias	NM 024471	Mm.195776	5	10.218	10.099	10.237	10.150	9.846	10.158	10.117	9.969	9.602	9.881	9.836	9.833	9.515	9.714	9.951	10.309	10.169	10.161	10.266	10.254	10.148	10.241	10.086	10.299
1418701	at	Comt1	NM 007744	Mm.100940	16	11.075	11.184	11.137	11.059	11.851	11.006	11.104	11.193	11.171	11.662	11.346	11.345	11.470	11.233	11.742	11.037	11.767	11.781	11.710	11.472	11.739	11.949	11.715	11.636
1418702	a	Z81042815RIK	NM 025577	Mm.28242	8	9.915	10.256	9.628	9.961	10.219	9.661	9.615	10.364	10.124	9.965	9.845	10.061	9.958	9.398	9.764	9.553	10.605	10.301	9.700	9.824	10.425	10.656	9.350	9.477
1418703	at	Rbm1s	NM 020296	Mm.259667	2	9.902	10.363	9.727	9.768	10.036	9.805	9.702	10.419	10.552	10.273	10.176	10.306	10.333	10.177	9.989	9.722	10.297	10.082	9.834	9.821	9.968	10.124	9.690	9.577
1418704	at	S100a13	NM 009113	Mm.6523	3	9.485	9.872	9.269	9.403	10.006	9.412	9.419	10.185	10.244	9.896	9.583	10.419	10.548	9.674	9.731	9.129	10.207	9.684	9.480	9.327	9.932	10.007	9.211	9.097
1418705	at	Crx	NM 007770	Mm.441911	7	6.342	6.043	6.277	6.264	6.233	6.265	6.303	6.362	6.127	6.132	6.329	6.081	6.486	6.174	6.302	6.324	6.109	6.452	6.291	6.379	6.318	6.260	6.459	6.394
1418706	at	Slec38a3	NM 023805	Mm.296560	9	9.507	8.845	8.869	9.736	9.058	9.479	9.469	9.013	8.199	8.484	8.732	8.698	8.493	8.973	8.587	9.987	9.201	9.006	8.857	9.148	9.303	9.287	9.241	9.479
1418707	at	Baq4	NM 026121	Mm.118400	8	5.321	5.788	5.330	5.450	5.811	5.566	5.522	5.855	6.073	5.567	5.743	5.628	5.809	5.584	5.400	5.451	5.690	5.708	5.763	5.714	5.836	5.673	5.541	5.680
1418708	at	Apo4	BC024657	Mm.475103	7	6.290	5.992	6.263	6.344	6.168	6.263	6.299	6.165	6.134	6.160	6.128	6.193	6.224	6.209	6.267	6.532	6.302	6.302	6.335	6.430	6.302	6.452	6.497	6.301
1418709	at	Cox7a1	AF037370	Mm.423030	7	12.735	12.199	12.517	12.580	12.176	12.420	12.558	12.995	11.819	11.610	12.001	12.417	11.924	11.449	12.224	12.141	13.610	13.367	12.676	12.726	13.404	13.543	12.674	12.561
1418710	at	Cxcr1	NM 021652	Mm.22625	2	9.377	9.377	9.711	9.707	9.701	9.647	9.678	9.577	9.377	9.377	9.577	9.377	9.577	9.377	9.577	9.377	9.577	9.377	9.577	9.377	9.577	9.377	9.577	9.377
1418711	at	Pdgra	BB371842	Mm.22625	9	9.337	8.657	8.793	9.310	8.352	8.949	8.779	9.352	8.981	9.242	9.243	9.952	9.652	9.158	9.230	9.158	9.230	9.158	9.230	9.158	9.230	9.158	9.230	9.158
1418712	at	Cdc42ep5	NM 021454	Mm.34268	7	8.666	8.959	8.317	8.434	8.862	8.590	8.432	9.019	9.579	8.919	8.787	9.139	9.389	8.958	8.756	8.485	8.783	8.635	8.400	8.459	8.599	8.650	8.562	8.111
1418713	at	Pcbd1	NM 025273	Mm.39473	10	8.598	8.384	8.621	8.556	8.808	8.566	8.697	8.507	8.790	8.691	8.480	8.877	8.947	8.552	8.867	8.501	8.572	8.497	8.635	8.747	8.522	8.402	8.587	8.408
1418714	at	Dusp8	NM 008748	Mm.39725	7	10.083	10.225	9.901	9.655	9.381	9.590	9.634	9.547	9.361	9.643	10.154	9.951	9.437	9.172	9.725	9.834	9.826	8.890	8.670	9.496	10.115	9.662	9.732	10.559
1418715	at	Pank1	BC023496	Mm.24742	19	10.607	9.813	10.884	10.524	9.817	10.528	10.396	9.703	9.100	9.876	9.268	9.928	9.606	9.741	10.235	10.812	10.375	10.265	10.438	10.630	10.551	10.662	10.803	10.805
1418716	at	Mrs25	AK004037	Mm.87062	6	8.297	8.308	8.524	8.651	8.462	8.640	8.411	8.374	7.980	8.149	8.173	8.427	8.149	8.220	8.418	8.553	8.776	8.706	8.737	8.632	8.737	8.760	8.654	8.664
1418717	at	Mrs25	AK004037	Mm.87062	6	6.627	6.377	6.553	6.665	6.650	6.612	6.637	6.733	6.442	6.371	6.613	6.649	6.606	6.281	6.629	6.480	7.015	6.729	6.658	6.795	6.775	6.963	6.767	6.883
1418718	at	Cxcr1	NM 026457	Mm.23361	12	9.376	9.016	9.113	9.238	9.325	9.424	9.325	9.123	8.985	9.242	9.243	9.952	9.652	9.158	9.230	9.158	9.230	9.158	9.230	9.158	9.230	9.158	9.230	9.158
1418719	at	Z140004L22RIK	NM 029621	Mm.27355	8	8.165	8.669	8.152	8.703	8.832	8.359	8.386	8.730	8.715	8.845	8.767	9.629	9.246	9.983	8.753	8.288	8.451	8.414	8.192	8.513	8.763	8.752	8.406	8.640
1418720	at	Cops7b	BB650066	Mm.12973	1	9.187	9.169	9.178	9.267	9.230	9.031	9.287	9.025	9.287	9.139	9.166	9.253	9.146	9.178	9.229	9.153	9.092	9.354	9.158	9.168	9.159	8.981	9.165	9.163
1418721	at	Cops7b	BB650066	Mm.12973	1	8.934	8.847	9.058	9.054	8.966	9.015	8.996	8.647	8.761	9.009	8.801	8.689	8.791	8.674	8.934	9.086	8.776	8.920	9.142	9.035	8.783	8.712	9.027	8.992
1418722	at	Nap	NM 008694	Mm.236225	9	8.030	8.110	8.699	8.137	8.054	7.960	8.236	7.736	7.854	7.689	8.788	7.858	7.942	8.015	8.776	7.866	7.620	7.806	7.664	7.769	8.165	7.861	8.288	8.888
1418723	at	Lpar3	NM 022983	Mm.155520	3	5.884	6.383	6.472	6.158	6.627	6.892	6.094	5.980	6.653	6.422	5.839	6.992	6.372	5.632	6.538	6.372	6.302	8.034	8.271	7.470	7.741	6.731	6.566	6.006
1418724	at	Cch1	NM 007686	Mm.117180	3	8.164	8																						

1418773	at	Fads3	BE652876	Mm.253875	19	10.536	11.712	10.270	10.263	10.836	10.304	10.272	10.906	12.042	11.776	11.141	11.088	11.154	11.568	10.779	10.215	10.260	10.368	10.350	10.050	10.565	10.116	10.204	
1418774	a at	Atp7a	U03434	Mm.254297	X	8.075	8.449	7.948	7.782	8.343	7.336	7.156	8.400	8.152	7.949	8.800	7.735	8.515	8.420	7.773	7.853	6.670	6.755	6.678	6.494	7.115	7.551	7.838	7.547
1418775	at	Alb37181	NM 134149	Mm.329658	19	9.289	9.594	9.227	9.360	9.511	9.242	9.306	9.518	9.576	9.448	9.372	9.788	9.685	9.400	9.460	9.403	9.613	9.589	9.465	9.469	9.613	9.479	9.313	9.153
1418776	at	Sb30443L24Rik	NM 029509	Mm.458519	5	3.995	4.010	4.068	4.098	4.195	4.143	4.440	4.053	3.860	4.104	4.118	4.061	4.129	4.464	4.186	4.138	4.148	4.227	4.178	4.153	3.986	4.147	4.129	3.849
1418777	at	Col25	NM 009138	Mm.2275	6	6.425	6.358	6.549	6.247	6.422	6.380	6.563	6.433	6.276	6.375	6.276	6.571	6.237	6.346	6.506	6.391	6.567	6.507	6.391	6.567	6.513	6.408	6.413	6.263
1418778	at	Cccl09b	NM 025779	Mm.31056	3	7.678	9.137	7.135	7.419	6.987	7.396	7.362	7.405	8.833	8.166	7.616	7.682	8.273	6.620	7.387	7.050	6.982	6.967	7.005	6.783	7.062	7.008	6.817	6.876
1418779	at	Rcc1	BC004060	Mm.391143	19	8.383	8.900	8.231	8.543	8.484	8.357	8.411	8.443	8.824	8.712	8.606	8.421	8.606	8.678	8.441	8.274	8.325	8.448	8.557	8.534	8.381	8.230	8.373	8.332
1418780	at	Cvyp39a1	NM 018887	Mm.376968	17	7.572	7.950	7.823	8.116	8.344	8.226	7.981	8.046	8.055	8.386	7.400	8.381	8.361	7.662	8.309	7.775	7.194	7.522	7.809	7.851	7.921	8.328	7.743	7.870
1418781	at	Nat9	NM 025400	Mm.86823	11	8.612	8.693	8.722	8.579	8.549	8.542	8.595	8.030	8.537	8.673	8.519	8.717	8.427	8.551	8.385	8.534	8.735	8.912	8.701	8.705	8.515	8.684	8.748	8.683
1418782	at	Rxrq	NM 009107	Mm.3475	1	10.213	9.705	10.096	10.401	9.982	10.212	10.551	9.987	9.162	9.258	9.446	9.794	9.559	9.213	9.496	10.160	10.774	10.844	10.472	10.406	10.552	10.400	10.171	10.220
1418783	at	Trpm5	AF228681	Mm.286668	7	5.570	5.268	5.504	5.601	5.453	5.318	5.349	5.501	5.436	5.273	5.485	5.119	5.435	5.489	5.310	5.420	5.348	5.424	5.451	5.601	5.454	5.316	5.295	5.682
1418784	at	GriK5	NM 008168	Mm.2879	7	7.983	7.142	8.021	8.069	8.245	8.083	7.958	8.088	8.078	8.067	7.980	8.079	7.869	7.861	8.076	7.862	8.102	8.229	8.153	8.045	8.169	7.892	8.059	7.985
1418785	at	Mapk8lip2	AF220195	Mm.173337	15	8.047	7.767	8.127	8.149	8.080	7.937	7.987	7.991	8.016	7.968	8.203	8.072	8.008	8.055	8.043	8.004	8.069	8.060	8.035	8.173	8.092	7.802	8.344	8.207
1418786	at	Mapk8lip2	AF220195	Mm.173337	15	7.736	7.407	7.474	7.611	7.624	7.501	7.524	7.611	7.649	7.460	7.283	7.464	7.509	7.330	7.400	7.505	7.428	7.585	7.556	7.675	7.524	7.481	7.709	7.522
1418787	at	Mbl2	NM 010776	Mm.30045	19	5.919	5.853	5.986	5.970	5.885	5.720	6.036	5.785	5.551	5.610	5.871	5.829	5.743	5.723	5.943	5.845	5.865	5.837	5.855	6.098	5.856	5.685	5.956	5.867
1418788	at	Tek	NM 013690	Mm.14313	4	10.147	9.784	10.386	10.233	9.963	10.259	10.028	9.903	9.835	10.246	10.079	10.187	10.226	10.216	10.230	10.467	10.014	10.254	10.409	10.464	9.872	9.841	10.151	10.187
1418789	at	Sntg2	NM 133742	Mm.279765	12	5.789	5.229	5.454	5.455	5.440	5.423	5.606	5.524	5.412	5.419	5.538	5.411	5.661	5.571	5.383	5.448	5.420	5.454	5.349	5.561	5.397	5.455	5.524	5.374
1418790	at	Fezf2	NM 080433	Mm.34644	14	5.138	4.766	5.133	4.931	4.873	4.757	4.813	5.000	4.869	4.858	4.920	4.904	4.894	4.721	4.862	5.079	4.922	4.920	4.763	4.939	5.048	4.815	4.991	4.840
1418791	at	Sh3gl2	AF326561	Mm.143603	4	8.272	7.825	8.052	7.992	7.781	7.975	8.030	7.919	7.752	7.547	8.034	7.399	7.844	7.867	7.890	8.740	7.388	7.878	8.020	7.989	7.863	7.911	8.806	7.947
1418792	at	Sh3gl2	AF326561	Mm.143603	4	7.079	6.598	7.011	7.021	6.723	6.845	6.919	7.009	6.886	6.656	7.004	6.537	6.826	6.813	6.943	7.127	6.756	6.859	7.009	7.043	6.800	6.641	6.900	6.741
1418793	at	Idia	AV320631	Mm.358608	5	9.984	9.733	10.652	10.141	9.731	9.741	9.646	6.999	9.742	9.773	9.589	9.717	9.598	9.633	9.773	10.051	9.949	10.135	9.842	10.111	9.866	9.828	10.079	10.107
1418794	at	Cds2	BB487604	Mm.284503	2	8.764	9.409	8.717	8.671	9.003	8.739	8.977	8.695	9.419	9.328	9.134	9.032	9.079	9.400	9.005	8.881	8.497	8.695	8.933	8.703	8.674	8.479	8.910	8.886
1418795	at	Cds2	BB487604	Mm.284503	2	9.073	8.874	9.988	9.036	8.964	8.914	9.145	9.063	9.154	8.877	8.897	8.976	8.867	9.014	9.058	9.034	8.952	8.795	8.978	8.987	9.058	8.950	9.183	9.112
1418796	at	Clec11a	NM 009131	Mm.20428	7	7.130	8.188	6.886	6.969	7.957	7.701	6.992	7.432	9.198	8.904	7.595	8.313	8.950	8.146	7.882	7.060	7.087	7.329	7.337	6.744	7.042	7.034	6.912	7.035
1418797	at	Ms4a8a	NM 022430	Mm.34460	19	5.743	5.719	5.534	5.659	5.517	5.709	5.832	5.644	5.729	5.333	5.545	5.217	5.385	5.716	5.290	5.567	5.482	5.494	5.547	5.651	5.719	5.581	5.446	5.441
1418798	s at	Srp3k	NM 019684	Mm.111904	X	9.072	8.872	9.088	8.915	8.896	9.009	9.187	9.229	7.890	8.546	8.987	8.937	8.834	8.521	8.796	8.969	9.108	9.388	9.193	9.153	9.434	9.162	8.870	9.036
1418799	s at	Col17a1	NM 011741	Mm.14308	19	4.129	4.098	4.427	4.414	4.385	4.145	3.985	4.452	4.369	4.402	4.211	4.405	4.429	4.178	4.427	4.110	4.367	4.428	4.126	4.126	4.126	4.126	4.126	4.126
1418800	s at	Bhlhb8	BC011486	Mm.366767	5	7.337	6.954	7.208	7.226	7.070	7.022	7.057	6.987	6.957	6.880	7.287	6.983	6.838	7.100	7.093	7.289	7.208	7.110	7.289	7.208	7.110	7.289	7.208	7.110
1418801	at	Zksacn1	NM 133906	Mm.213114	5	9.527	9.305	9.626	9.677	9.583	9.609	9.641	9.700	9.489	9.666	9.740	9.753	9.713	9.466	9.670	9.610	9.677	9.683	9.545	9.701	9.772	9.975	9.684	9.769
1418802	at	R74862	NM 133790	Mm.5250	7	7.275	7.196	7.137	7.091	7.427	7.276	7.240	7.500	7.294	7.662	7.232	7.301	7.503	7.187	7.384	7.200	7.264	7.402	7.265	7.388	7.229	7.220	7.296	7.083
1418803	a at	Fasl	NM 010177	Mm.3355	1	5.934	5.565	5.757	5.852	5.757	5.779	5.982	6.074	6.005	5.775	6.087	5.858	5.839	5.852	5.690	5.925	5.911	5.882	5.849	6.151	5.962	5.656	5.927	6.152
1418804	at	Succn1	NM 032400	Mm.125110	3	4.195	3.972	3.960	3.973	3.839	4.177	4.022	4.020	3.856	3.700	4.060	4.002	3.963	4.029	3.929	3.907	3.983	3.869	4.021	4.218	3.970	3.930	3.958	
1418805	at	Sct	NM 011328	Mm.4723	7	7.764	7.616	7.673	7.825	7.654	7.517	7.657	7.819	7.822	7.618	7.685	7.588	7.702	7.604	7.693	7.676	7.819	7.667	7.616	7.735	7.783	7.675	7.664	7.687
1418806	at	Csf3r	NM 007782	Mm.271701	4	8.072	8.248	7.706	8.037	7.966	7.994	7.941	7.537	8.405	8.177	7.998	8.005	7.938	8.146	7.933	7.953	7.924	7.712	7.780	7.760	7.751	7.895	7.514	8.094
1418807	s at	U070M22Rik	AF248935	Mm.39133	13	5.430	4.430	4.431	4.449	4.296	4.585	4.549	4.899	4.386	4.525	4.702	4.521	4.950	4.929	4.932	4.910	4.419	4.346	4.504	4.504	4.504	4.504	4.504	
1418808	at	Rdh5	NM 134006	Mm.439565	10	7.673	7.524	7.591	7.838	7.730	7.728	7.735	7.720	7.810	7.694	7.552	7.787	7.709	7.699	7.397	7.631	7.951	8.188	7.841	7.765	7.844	7.750	7.479	7.526
1418809	at	Pir41	NM 011087	Mm.458769	7	5.962	7.435	6.001	6.259	6.354	5.967	5.357	5.722	5.893	5.732	6.146	5.585	6.198	6.448	5.570	5.928	5.748	5.064	5.459	5.227	5.809	5.701	4.966	6.047
1418810	at	Crrh1	NM 007762	Mm.1892	11	8.234	7.944	8.205	8.325	8.243	7.949	8.168	8.402	8.328	8.079	8.221	8.126	8.256	8.254	8.128	8.366	8.189	8.109	8.179	8.245	8.350	8.229	8.194	8.151
1418811	at	Barh1	NM 019446	Mm.21390	2	4.334	4.084	4.335	4.331	4.239	4.267	4.294	4.445	4.336	4.258	4.421	4.212	4.273	4.493	4.451	4.224	4.317	4.426	4.352	4.328	4.440	4.436	4.254	4.274
1418812	a at	Barh1	NM 019446	Mm.21390	2	7.270	6.979	7.214	7.352	7.456	7.274	7.263	7.233	7.231	7.406	7.338	7.329	7.403	7.425	7.175	7.478	7.236	7.239	7.370	7.317	7.288	7.171	7.250	7.051
1418813	at	Serpin5	NM 008785	Mm.73192	12	5.306	4.959	5.195	5.184	5.172	5.150	5.037	5.172	5.176	4.989	5.205	5.116	5.052	5.141										

1418862	at	Echdc3	NM	024208	Mm.38342	2	9.279	8.759	9.368	9.414	9.139	9.363	9.252	8.726	8.731	8.972	9.021	8.698	9.232	9.292	9.891	9.604	9.374	9.532	9.625	9.717	9.448	9.473			
1418863	at	Gata4	NM	080092	Mm.247669	14	9.988	10.563	10.001	10.154	10.268	9.988	10.061	10.277	10.217	10.409	9.833	10.425	10.423	10.186	9.960	10.171	10.512	10.581	10.314	10.313	10.176	9.893	9.613	9.869	
1418864	at	Znf385a	NM	080092	Mm.247669	14	7.560	8.248	7.793	7.839	7.684	7.814	7.674	6.935	7.336	7.822	7.598	7.433	7.572	7.812	7.578	8.005	6.872	7.628	8.139	8.141	7.226	6.669	7.423	7.629	
1418865	at	Cyp2a1	NM	031866	Mm.14099	15	8.777	8.613	8.862	8.669	8.623	8.832	8.717	8.631	8.841	8.728	8.683	8.967	8.844	8.860	8.898	8.899	8.747	8.869	8.850	8.964	8.834	8.524	8.881	8.745	
1418866	at	Cyp2a1	NM	009996	Mm.65745	2	4.887	4.646	4.743	4.650	4.646	4.765	4.546	4.603	4.572	4.656	4.790	4.772	4.747	4.731	4.767	4.612	4.754	4.812	4.879	4.811	4.852	4.830	4.745	4.761	
1418867	at	En2	NM	009996	Mm.65745	2	7.069	6.932	6.969	6.924	6.708	6.820	6.717	5.581	6.584	6.669	6.785	6.568	6.889	6.682	6.588	6.811	6.840	6.793	6.759	6.951	6.912	6.844	6.804	6.794	
1418868	at	En2	NM	010134	Mm.4298	5	5.835	5.655	6.097	5.933	6.008	5.841	5.985	5.953	5.842	5.922	6.000	6.002	6.065	6.013	6.048	6.005	5.583	5.586	5.762	6.013	5.936	5.798	5.384	6.066	
1418869	a	Pus1	NM	019700	Mm.23528	5	9.514	10.091	9.637	9.873	9.747	9.828	9.854	9.973	9.824	9.752	10.054	9.711	9.747	9.893	9.684	9.767	9.902	9.999	10.030	9.995	9.734	9.903	9.862	9.912	
1418870	at	4930579J09RIK	NM	133689	Mm.25939	19	7.425	7.053	7.385	7.417	7.238	7.172	7.377	7.360	7.159	7.704	7.296	7.271	7.316	7.172	7.349	7.396	7.167	7.183	7.365	7.277	6.892	7.229	7.278	7.278	
1418871	a	1810007E14RIK	NM	025308	Mm.36777	2	4.800	4.502	4.713	4.751	4.655	4.691	4.765	4.656	4.493	4.490	4.679	4.513	4.531	4.621	4.594	4.690	4.766	4.632	4.696	4.781	4.807	4.633	4.590	4.744	
1418872	at	Abcb1b	NM	011075	Mm.146649	5	7.439	7.972	7.688	7.580	7.378	7.624	7.516	7.491	7.741	7.427	7.546	7.633	7.668	7.804	7.401	7.659	7.784	7.328	7.504	7.364	7.525	7.714	7.028	7.334	
1418873	at	Sfnr4	NM	053199	Mm.48179	19	7.510	7.427	7.706	7.629	7.417	7.849	7.708	7.183	7.258	7.414	7.108	7.427	7.332	7.142	7.233	7.733	7.506	7.663	7.610	7.633	7.437	7.447	7.442	7.335	
1418874	a	Psmid1	NM	008951	Mm.2261	3	11.361	11.393	11.245	11.256	11.369	11.103	11.190	11.582	11.542	11.402	11.469	11.734	11.576	11.365	11.383	11.324	11.774	11.646	11.441	11.357	11.198	11.565	11.287	11.193	
1418875	at	Synr4	NM	021482	Mm.214217	7	6.884	6.561	6.706	6.861	6.683	6.692	6.754	6.708	6.589	6.637	6.687	6.549	6.726	6.752	6.733	6.584	6.827	6.650	6.674	6.714	6.682	6.658	6.706	6.699	
1418876	at	Foxd1	BB662927	Mm.347441	13	4.750	4.692	4.654	4.509	4.574	4.706	4.518	4.576	4.643	4.752	4.674	4.622	4.496	4.601	4.446	4.671	4.633	4.542	4.813	4.794	4.587	4.566	4.667	4.700		
1418877	at	Foxd1	BB662927	Mm.347441	13	4.531	4.274	4.412	4.506	4.454	4.319	4.389	4.461	4.519	4.454	4.637	4.515	4.383	4.586	4.495	4.505	4.616	4.516	4.660	4.667	4.278	4.762	4.375	4.565		
1418878	at	Acrv1	NM	007391	Mm.4776	9	5.625	5.508	5.657	5.407	5.378	5.515	5.612	5.610	5.426	5.401	5.545	5.562	5.505	5.502	5.469	5.529	5.376	5.479	5.581	5.795	5.447	5.505	5.470	5.693	
1418879	at	9030611O19RIK	NM	027828	Mm.248938	12	8.271	7.986	8.327	8.317	7.992	8.163	8.273	8.035	8.139	8.008	8.408	7.950	8.132	8.142	8.135	8.306	8.366	8.286	8.278	8.381	8.180	8.216	8.160	8.326	
1418880	at	Gnra3	NM	010280	Mm.16520	18	8.798	8.517	8.450	8.595	8.509	8.572	8.471	8.655	8.449	8.335	8.579	8.502	8.465	8.666	8.385	8.499	8.665	8.555	8.547	8.535	8.720	8.559	8.670	8.535	
1418881	at	Necab2	NM	054095	Mm.356184	8	9.260	8.876	9.231	9.217	9.078	9.111	9.256	9.352	9.195	9.133	9.412	8.994	9.218	9.114	9.160	9.272	9.169	9.145	9.333	9.210	9.193	9.226	9.287	9.218	
1418882	at	Nlrp5	NM	011860	Mm.333653	7	5.870	5.563	5.267	5.631	5.569	5.746	5.576	5.614	5.786	5.417	5.600	5.193	5.870	5.499	5.531	5.385	5.294	5.595	5.600	5.489	5.740	5.610	5.670	5.371	
1418883	a	Pabpc1	NM	008774	Mm.371570	15	12.555	13.602	12.687	12.739	13.222	12.855	12.574	13.048	13.703	13.301	13.366	13.420	13.762	13.084	12.697	12.564	12.591	12.704	12.501	12.493	12.610	12.474	12.485		
1418884	x	Tuba1a	NM	011653	Mm.439690	15	12.627	13.731	12.233	12.460	12.878	12.604	12.673	13.188	14.028	13.864	13.162	13.065	12.990	13.566	12.966	12.961	12.092	12.329	12.190	11.941	12.475	12.386	12.356	11.966	
1418885	a	Idh3b	NM	130884	Mm.29590	2	10.220	10.934	10.100	10.340	10.165	10.472	10.464	10.382	10.696	10.555	9.907	10.749	10.650	10.589	10.313	9.995	10.559	10.681	10.747	10.310	10.126	10.374	9.922	10.311	
1418886	s	Idh3b	NM	130884	Mm.29590	2	12.966	12.774	13.073	13.061	12.855	13.093	13.056	12.907	12.540	12.618	12.640	12.804	12.568	12.861	12.946	13.046	13.076	13.164	13.096	13.113	13.066	13.136	13.076	13.135	
1418887	a	D11Wsu99e	AV225714	Mm.351688	11	9.244	9.932	9.511	9.645	9.659	9.491	9.545	9.760	9.713	9.648	9.764	9.851	9.691	9.730	9.500	9.397	9.729	9.711	9.604	9.451	9.625	9.787	9.540	9.597		
1418889	a	Skap2	NM	009996	Mm.29212	17	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896	12.212	11.896	11.896
1418890	a	Rab3d	BB349707	Mm.260157	9	8.387	8.987	8.563	8.624	8.813	8.620	8.610	8.774	9.149	8.905	8.548	9.188	9.069	8.983	8.786	8.325	9.033	8.729	8.807	8.589	8.660	8.921	8.535	8.299		
1418891	a	Rab3d	BB349707	Mm.260157	9	8.398	8.922	8.694	9.037	8.958	8.904	8.692	8.853	9.063	9.212	8.863	9.223	9.250	8.906	9.055	8.673	8.908	8.729	8.837	8.907	8.917	8.904	8.825	8.656		
1418892	at	Rhoj	AF309564	Mm.27467	12	8.985	10.166	9.861	9.832	10.001	9.606	9.256	10.147	10.601	10.303	10.302	10.263	10.638	10.050	10.208	9.842	9.864	9.921	9.866	9.473	9.830	9.923	9.938	9.836		
1418893	at	Pbx2	NM	017463	Mm.390957	17	8.055	8.742	8.165	8.516	8.488	8.400	8.389	8.277	8.751	8.643	8.150	8.828	8.855	8.569	8.350	8.293	8.448	8.852	8.906	8.458	8.340	8.193	8.963	8.163	
1418894	s	Pbx2	NM	017463	Mm.390957	17	7.490	7.111	7.406	7.592	7.740	7.481	7.386	7.308	7.345	7.686	7.409	7.515	7.482	7.526	7.639	7.233	7.352	7.415	7.495	7.402	7.245	7.121	7.405	7.561	
1418895	at	Skap2	NM	018773	Mm.221479	6	9.954	10.971	9.909	9.795	10.108	9.959	9.904	9.814	10.884	10.705	10.547	10.252	10.409	11.242	10.139	9.902	9.717	9.504	9.820	9.291	9.270	9.431	9.457	9.399	
1418896	at	Idh3b	NM	010642	Mm.23300	11	10.203	10.570	9.953	10.029	10.956	10.017	9.986	10.357	10.619	10.935	9.959	10.215	10.612	9.987	10.320	9.867	9.865	9.885	10.375	10.514	9.785	9.691	9.792		
1418897	at	F2	NM	010168	Mm.89048	2	6.393	6.886	6.425	6.380	6.356	6.246	6.218	6.363	6.104	5.878	6.403	6.075	6.102	6.092	6.136	6.114	6.324	6.364	6.222	6.518	6.379	5.988	6.137	6.278	
1418898	at	Ltn7c	BB704337	Mm.235300	2	6.900	6.918	6.551	6.635	6.722	6.705	6.652	6.859	6.828	6.565	6.859	6.952	6.680	6.744	6.821	6.797	6.681	6.764	6.925	6.583	6.963	7.011	6.719	6.634		
1418899	at	Ufm1	NM	026435	Mm.28917	3	9.064	10.090	9.061	8.953	9.377	9.123	9.165	9.423	10.051	9.776	9.382	9.525	9.303	9.598	9.187	8.931	9.138	9.038	8.956	8.857	9.204	9.241	8.955	8.995	
1418900	at	Ufm1	NM	026435	Mm.28917	3	7.278	7.121	7.272	7.032	7.122	7.294	7.198	7.169	7.221	7.145	7.143	7.291	7.154	7.162	7.440	7.189	7.076	7.209	7.284	7.244	7.087	7.189	7.309	7.278	
1418901	at	Cebpb	NM	009883	Mm.439690	2	10.766	10.528	10.358	10.262	10.767	10.260	9.964	9.640	9.489	9.943	10.159	9.889	9.837	9.559	9.871	10.377	8.791	9.827	8.771	9.247	10.541	10.727	11.296	11.103	
1418902	at	Chd1	BC006876	Mm.245355	7	8.047	8.736	7.984	8.041	8.123	8.058	7.975	8.092	8.723	8.563	8.204	8.239	8.053	8.256												

1418951	at	Txlnb	AF422244	Mm.283493	10	11.378	9.941	11.412	11.551	10.797	10.987	10.982	9.676	10.467	10.292	10.874	10.321	9.957	10.767	11.334	11.548	11.290	10.963	11.448	11.481	11.773	11.519	11.367	
1418952	at	Txlnb	AF422244	Mm.283493	10	11.592	10.475	11.541	11.828	11.170	11.548	11.273	11.133	10.314	10.661	10.787	10.873	10.661	10.545	10.939	11.635	11.939	11.777	11.647	12.018	11.724	11.807	11.893	11.675
1418953	at	Fbxo16	NM 015795	Mm.65308	14	6.422	6.278	6.564	6.508	6.354	6.553	6.449	6.589	6.326	6.305	6.668	6.251	6.550	6.458	6.484	6.334	6.630	6.345	6.634	6.526	6.666	6.403	6.541	6.393
1418954	at	Camkk1	NM 018883	Mm.9998	11	6.719	6.659	6.615	6.737	6.856	6.553	6.642	6.812	7.152	6.911	6.688	6.828	7.039	6.860	6.849	6.662	6.631	6.742	6.630	6.557	6.850	6.472	6.680	6.530
1418955	at	Zfp957	NM 009567	Mm.459431	7	7.047	7.449	7.163	7.242	7.305	7.097	7.302	7.183	7.151	7.328	6.853	7.376	7.288	7.059	6.890	7.127	7.280	7.205	7.286	7.420	7.173	7.225	7.175	
1418956	at	Tssk6	NM 032004	Mm.432504	8	6.213	6.133	5.912	5.977	6.023	6.113	6.020	6.201	6.090	5.904	6.199	5.948	6.199	5.933	5.987	6.035	5.781	6.101	6.090	6.162	6.165	5.968	5.900	6.022
1418957	at	Plnc	NM 016853	Mm.1414	9	6.050	5.999	5.954	5.943	5.849	6.033	6.038	5.996	5.743	5.957	6.007	5.785	5.983	6.028	5.963	5.875	6.073	5.805	6.001	5.695	6.123	6.004	5.941	6.008
1418958	at	Ammc1	NM 019871	Mm.6211	11	7.369	7.095	7.155	7.299	7.193	7.152	7.379	7.408	7.091	7.366	7.528	7.241	7.396	7.297	7.316	7.255	7.261	7.288	7.209	7.429	7.333	7.181	7.309	7.274
1418959	at	Tmprs5	NM 030709	Mm.72799	9	6.278	6.093	6.265	6.381	6.244	6.278	6.218	6.255	6.250	5.967	6.196	5.890	6.162	5.902	6.153	6.040	6.109	6.039	6.143	6.081	6.057	6.225	6.355	6.213
1418960	at	Phf201	BF175219	Mm.267473	15	8.255	8.151	8.545	8.182	8.137	8.246	8.376	7.874	7.978	8.164	8.244	8.023	7.851	8.148	8.283	8.559	8.093	7.927	8.241	8.097	7.912	8.142	8.282	8.657
1418961	at	Necap2	AK009714	Mm.21187	4	7.291	8.059	7.252	7.547	7.779	7.228	7.382	7.492	7.598	7.777	8.023	7.693	7.679	7.784	7.429	7.330	7.438	7.458	7.380	7.260	7.386	7.209	7.369	7.319
1418962	at	Necap2	AK009714	Mm.21187	4	8.823	9.529	8.681	8.933	9.002	8.849	8.719	9.170	9.368	9.211	9.034	9.273	9.355	9.058	9.820	8.672	8.907	8.919	8.717	8.764	8.842	8.915	8.666	8.492
1418963	at	Z310047O13Rik	NM 024185	Mm.34059	2	9.247	9.898	9.178	9.094	9.528	9.376	9.202	9.607	9.802	9.752	9.523	9.457	9.451	9.680	9.401	9.158	9.199	9.172	9.290	9.031	9.095	9.199	9.027	9.082
1418964	at	Pfam	NM 026234	Mm.26612	1	6.695	7.337	6.566	6.839	6.940	6.695	6.724	7.166	7.417	7.079	7.071	6.813	7.088	7.492	6.909	6.624	6.572	6.481	6.656	6.665	6.806	6.602	6.656	6.435
1418965	at	Nosip	NM 025533	Mm.272139	7	8.456	8.821	8.320	8.506	8.683	8.521	8.551	9.173	8.899	8.728	8.391	9.036	8.885	8.555	8.568	8.375	9.223	9.183	8.621	8.502	9.146	9.254	8.545	8.389
1418966	a at	Dchd1	AK014521	Mm.62982	10	7.507	7.424	7.258	7.403	7.350	7.146	7.256	7.432	7.399	7.246	7.662	7.295	7.305	7.014	7.355	7.271	7.224	7.136	7.236	7.489	7.329	7.545	7.382	
1418967	a at	St7	NM 022332	Mm.12051	6	8.507	8.695	8.403	8.244	8.426	8.299	8.391	8.646	8.600	8.816	8.741	8.522	8.588	8.582	8.467	8.524	8.343	8.457	8.269	8.127	8.327	8.160	8.162	8.389
1418968	at	Rblcc1	BE570980	Mm.293811	1	9.952	9.817	10.077	10.044	9.969	10.297	10.061	9.689	9.633	9.996	9.566	9.887	9.883	9.840	10.246	10.167	10.028	9.968	10.135	10.271	9.944	10.090	10.248	10.245
1418969	at	Ska2	AV259620	Mm.35584	15	4.996	6.427	4.952	5.205	5.673	5.436	5.001	5.319	5.866	5.773	5.814	5.169	5.161	6.422	5.277	5.064	4.514	4.683	5.081	4.832	4.883	4.672	4.862	4.868
1418970	a at	Bcl10	AF100339	Mm.239141	3	10.166	10.711	10.133	10.230	10.292	10.322	10.193	10.090	10.647	10.502	10.753	10.316	10.409	10.604	10.421	10.243	9.884	10.099	10.290	10.172	9.914	10.066	10.298	10.452
1418971	x at	Bcl10	AF100339	Mm.239141	3	9.900	10.249	9.821	9.984	9.916	10.001	9.809	9.831	10.238	10.075	10.418	9.942	9.997	10.197	10.004	10.031	9.664	9.859	10.072	9.987	9.793	9.789	10.509	10.223
1418972	at	Bcl10	AF100339	Mm.239141	3	7.201	7.790	7.254	7.343	7.433	7.587	7.503	7.487	7.708	7.796	7.319	7.523	7.751	7.607	7.501	7.116	7.334	7.692	7.590	7.207	7.314	7.545	7.517	
1418973	at	Blzf1	AK006544	Mm.33285	1	9.590	9.809	9.883	9.668	9.573	9.801	9.694	9.643	9.550	9.842	9.459	9.680	9.702	9.723	9.760	9.661	9.688	9.728	9.724	9.767	9.685	9.792	9.796	
1418974	at	Blzf1	AK006544	Mm.33285	1	8.396	8.452	8.401	8.552	8.208	8.377	8.300	8.194	8.319	8.369	8.255	8.311	8.388	8.374	8.316	8.447	8.340	8.432	8.457	8.474	8.325	8.167	8.285	8.442
1418975	at	Nckip5d	NM 030729	Mm.192416	9	8.434	8.553	8.304	8.577	8.524	8.424	8.340	8.600	8.611	8.440	8.355	8.683	8.582	8.395	8.467	8.345	8.709	8.634	8.573	8.442	8.686	8.674	8.504	8.183
1418976	s at	Cideb	NM 009894	Mm.466766	14	8.038	8.439	8.089	7.941	8.108	7.847	8.110	8.600	8.451	8.076	7.988	8.141	8.050	8.123	7.956	8.133	8.203	8.504	8.001	8.057	8.251	8.019	7.989	7.980
1418977	at	Sap30bpb	NM 020483	Mm.267810	11	6.676	6.726	6.734	6.732	6.592	6.537	6.709	6.652	6.677	6.524	6.766	6.706	6.639	6.674	6.739	6.630	6.674	6.739	6.630	6.674	6.739	6.630	6.674	6.739
1418978	at	Sap30bpb	NM 020483	Mm.267810	11	6.652	6.312	6.490	6.912	6.258	6.526	6.606	6.718	5.967	6.170	6.287	6.327	6.521	6.290	5.969	6.096	6.158	6.611	6.280	6.531	6.261	6.325	6.885	8.102
1418979	at	Akr1c14	NM 134072	Mm.26838	13	7.634	7.553	7.535	8.039	7.586	7.848	8.177	8.418	6.515	7.364	7.321	7.814	7.633	7.510	8.009	7.352	8.212	7.838	7.605	8.097	8.273	8.395	7.688	8.028
1418980	a at	Cnp	M58045	Mm.15711	11	7.831	8.313	7.799	7.918	8.145	8.088	8.023	7.936	8.147	8.243	8.017	8.392	8.138	8.132	8.013	7.625	8.055	8.133	8.264	7.917	7.893	7.971	7.938	7.871
1418981	at	Casp12	NM 009808	Mm.42163	9	8.368	8.749	8.141	8.483	8.649	8.647	8.929	8.656	8.953	9.053	8.619	8.989	8.874	8.712	8.683	8.327	7.941	8.066	8.203	7.893	8.223	8.367	7.815	7.819
1418982	at	Cebpa	BC011118	Mm.349667	7	8.124	8.922	8.027	8.623	8.813	8.807	8.247	7.689	9.074	8.891	8.260	8.441	8.623	8.917	8.496	8.254	7.768	7.854	8.306	8.110	7.831	7.616	8.159	7.995
1418983	at	Inad1	AV287690	Mm.90218	4	7.679	7.013	7.555	7.950	7.456	7.749	7.656	7.664	6.430	6.812	6.607	7.165	6.938	6.617	7.380	7.530	8.359	8.007	7.642	7.652	8.164	8.511	7.876	7.878
1418984	at	Inad1	AV287690	Mm.90218	4	8.632	8.420	8.770	8.813	8.461	8.686	8.676	8.819	8.225	8.442	8.208	8.615	8.337	8.275	8.492	7.852	8.945	8.694	8.654	8.822	9.032	8.961	8.848	
1418985	at	Cttnb2nl	NM 030729	Mm.192416	3	5.641	6.106	5.123	5.942	6.205	5.102	5.913	5.954	6.847	6.565	6.764	5.916	5.849	5.955	6.075	5.975	5.855	5.985	5.714	5.903	5.714	5.903	5.714	5.903
1418986	a at	Ulx1	NM 013840	Mm.347779	X	9.369	9.267	9.306	8.912	8.731	8.800	9.161	9.175	8.773	8.765	8.887	8.906	8.588	8.662	8.475	8.991	9.450	9.342	8.815	8.766	9.257	9.422	8.861	8.739
1418987	at	Plta2q2d	AF112983	Mm.71913	4	6.929	6.336	6.877	6.960	6.539	6.813	6.619	6.691	6.770	6.559	6.629	6.568	6.690	6.770	6.610	6.840	6.843	6.899	6.653	6.920	6.854	6.729	6.934	6.672
1418988	at	Pex7	NM 008822	Mm.338363	10	11.024	10.608	11.059	11.122	10.944	11.153	11.024	10.510	10.514	10.670	10.620	10.704	10.700	10.664	10.866	11.179	11.047	11.042	11.193	11.189	10.972	10.904	11.016	11.224
1418989	at	Ctse	NM 007799	Mm.230249	1	8.425	7.977	8.138	8.491	8.616	8.262	8.519	8.028	8.986	8.828	8.814	8.746	8.674	8.069	8.620	8.247	8.447	8.338	8.477	8.383	8.412	8.419	8.256	8.314
1418990	at	Bak4	NM 025658	Mm.441056	19	10.718	10.086	10.470	10.465	9.677	10.382	10.370	9.521	9.712	9.977	9.512	9.313	8.925	10.066	9.729	10.140	9.933	9.808	9.976	9.716	9.835	10.316	10.005	10.181
1418991	at	Bak1	NM 007523	Mm.24443	17	7.311	6.465	7.241	7.583	7.481	7.153	7.289	6.626	8.415	7.958	8.045	7.703	8.097											

1419040	at	Cvp2022	BF683039	Mm.474216	15	8.263	7.586	8.404	8.117	7.716	7.746	7.642	7.966	7.686	7.796	7.266	8.413	8.290	7.342	7.873	8.247	8.451	8.421	8.239	8.222	8.088	7.960	7.792	7.726	
1419041	at	ltf1a	BC003977	Mm.334685	8	9.894	10.030	10.146	9.871	9.733	9.885	9.506	9.608	10.196	10.251	9.399	10.021	10.162	9.951	9.794	10.148	9.427	9.625	9.878	9.697	9.976	9.399	9.717		
1419042	at	liq1a	BM239828	Mm.261140	18	9.893	9.066	10.170	9.858	9.501	9.564	13.296	8.972	7.745	8.136	7.918	8.798	8.551	8.251	8.714	10.063	10.217	10.432	10.418	9.797	9.873	10.305	9.498	9.652	
1419043	a at	liq1a	BM239828	Mm.261140	18	11.699	9.060	10.170	11.720	11.254	11.687	14.369	8.454	9.216	9.817	9.689	10.375	10.245	10.214	10.476	12.024	11.739	12.024	12.415	12.025	11.366	11.735	11.484	11.708	
1419044	at	Cnr20457	NM 130457	Mm.209232	8	6.419	6.321	6.581	6.776	6.449	6.443	6.759	6.818	6.495	6.474	6.895	6.549	6.367	6.484	6.539	6.684	6.409	6.739	6.698	7.040	6.898	6.728	7.040	7.864	
1419045	at	Slc25a23	NM 025877	Mm.23720	17	8.678	9.196	8.319	8.470	9.044	8.348	8.479	9.264	8.900	8.784	8.709	9.297	9.210	8.295	8.537	8.403	8.091	9.093	8.469	8.382	8.615	8.502	8.377	8.204	
1419046	at	Brlp16	NM 021555	Mm.133202	15	8.063	8.165	8.036	8.204	8.150	8.081	8.090	8.213	8.157	8.024	8.381	8.131	8.070	8.195	8.034	8.138	8.549	8.324	8.449	8.374	8.384	8.205	8.011	8.048	
1419047	at	Pcnx	BG073499	Mm.86584	12	9.769	9.858	9.552	9.797	10.089	9.784	9.843	10.139	9.845	9.922	10.035	9.962	9.872	9.720	9.699	9.594	9.832	9.977	9.683	9.546	9.752	10.007	9.818	9.931	
1419048	at	Pcnx	BG073499	Mm.86584	12	8.921	9.317	8.993	9.108	9.327	9.877	9.057	9.299	9.160	9.225	9.432	9.265	9.183	9.151	9.045	8.920	9.175	9.215	9.062	9.010	9.090	9.203	8.832	9.122	
1419049	at	Pcnx	BG073499	Mm.86584	12	5.751	5.521	5.957	5.576	5.665	5.984	5.971	5.784	5.551	5.670	6.105	5.389	5.544	5.655	5.803	5.881	5.449	5.421	6.110	5.776	5.678	5.648	5.872	6.053	
1419050	at	1110002H13Rik	NM 025376	Mm.330087	2	6.178	6.224	6.059	6.330	6.168	6.070	5.951	6.385	6.417	6.048	6.350	5.899	6.260	6.237	6.142	6.212	6.076	5.882	6.225	6.106	6.067	6.031	6.123	6.173	
1419051	at	Ovo1	BC021411	Mm.280225	19	5.299	4.877	5.032	5.217	4.960	5.074	5.208	5.142	5.020	4.681	5.102	5.061	4.914	4.964	5.235	5.005	4.912	5.167	5.076	5.325	5.066	5.067	5.111	4.993	
1419052	at	Ovo1	BC021411	Mm.280225	19	5.198	4.759	4.970	5.038	4.833	5.045	4.934	5.074	4.754	4.782	4.978	4.808	4.778	4.925	4.916	5.135	4.891	5.085	5.184	4.965	5.033	5.176	5.041	5.196	
1419053	at	Pex14	NM 019781	Mm.184172	4	9.270	9.680	9.191	9.255	9.365	9.182	9.146	9.406	9.432	9.289	9.348	9.471	9.335	9.508	9.256	9.118	9.526	9.612	9.478	9.292	9.401	9.394	9.252	9.015	
1419054	a at	Ptpn21	AW987375	Mm.4420	12	10.119	9.969	9.961	9.948	10.115	9.757	9.875	10.288	10.047	10.116	10.517	10.515	10.294	9.856	10.343	9.915	10.196	10.032	9.628	10.031	10.281	10.312	9.889	10.256	
1419055	a at	Ptpn21	AW987375	Mm.4420	12	8.424	8.563	8.077	8.306	8.290	8.062	8.243	8.756	8.479	8.414	8.792	8.624	8.563	8.127	8.618	8.199	8.434	8.291	8.158	8.136	8.480	8.550	8.301	8.524	
1419056	at	Rtn2	AF038538	Mm.24142	7	9.672	8.816	9.871	9.996	9.773	10.125	9.798	9.099	8.777	9.168	9.251	10.220	9.954	8.877	10.027	9.798	10.892	10.705	10.562	10.588	10.537	10.648	10.418	10.407	
1419057	at	Slc5a1	AF208031	Mm.25237	5	5.908	5.527	5.509	5.709	5.465	5.536	5.646	5.965	5.530	5.255	5.696	5.443	5.459	5.586	5.397	5.716	5.874	5.579	5.568	5.540	5.695	5.484	5.915	5.592	
1419058	at	Poi1e	NM 022811	Mm.282932	4	8.477	9.335	8.555	8.680	8.895	9.120	9.179	8.432	8.778	8.772	8.658	9.314	9.096	9.105	8.915	8.472	8.920	9.186	8.829	9.005	8.873	8.848	8.583	8.603	
1419059	at	Apes	NM 011318	Mm.330510	1	6.555	6.465	6.585	6.684	6.466	6.701	6.717	6.511	6.357	6.421	6.520	6.262	6.502	6.488	6.501	6.667	6.631	6.594	6.719	6.649	6.603	6.511	6.566	6.670	
1419060	at	Gzml	NM 013542	Mm.14874	14	6.836	6.471	6.804	6.630	6.599	6.575	6.817	6.944	6.795	6.675	6.801	6.707	6.779	6.768	6.769	6.905	6.863	6.682	6.779	6.782	6.991	6.776	6.677	6.796	
1419061	at	Rhd	D98921	Mm.27701	19	7.182	8.130	7.283	7.332	7.672	7.322	7.235	7.716	8.398	8.087	7.610	8.013	8.176	7.776	7.598	7.059	7.326	7.525	7.386	7.429	7.349	7.373	7.350	7.162	
1419062	at	Epb4.1i3	NM 013813	Mm.131135	17	8.676	8.568	8.573	8.606	8.715	8.929	8.754	8.552	8.872	8.639	8.600	8.678	8.794	8.757	8.750	8.803	8.661	8.630	8.785	9.031	8.490	8.264	8.691	8.576	
1419063	at	Uqt8a	NM 011674	Mm.306021	3	4.230	3.995	4.047	3.935	3.995	4.150	4.037	4.281	3.789	3.889	4.033	3.898	3.888	3.965	3.953	3.979	4.017	3.914	3.797	4.206	4.036	3.919	4.081	4.180	
1419064	a at	Uqt8a	NM 011674	Mm.306021	3	6.746	6.416	6.624	6.639	6.399	6.494	6.672	6.571	6.514	6.503	6.432	6.343	6.561	6.602	6.471	6.552	6.569	6.672	6.669	6.697	6.638	6.688	6.616	6.726	
1419065	at	Neon	NM 025684	Mm.90950	10	6.235	5.563	5.800	5.858	5.592	5.867	5.730	5.785	5.459	5.520	5.789	5.646	5.533	5.568	5.696	5.778	6.043	5.932	5.861	5.956	5.810	5.883	5.863	5.632	
1419066	at	Neon	NM 025684	Mm.90950	10	6.235	5.563	5.800	5.858	5.592	5.867	5.730	5.785	5.459	5.520	5.789	5.646	5.533	5.568	5.696	5.778	6.043	5.932	5.861	5.956	5.810	5.883	5.863	5.632	
1419067	at	Rabqf1	BB280137	Mm.288639	5	8.271	8.689	8.302	8.327	8.312	8.288	8.200	8.335	8.582	8.541	8.369	8.187	8.292	8.420	8.233	8.301	8.263	8.336	8.243	8.023	8.105	8.135	8.411		
1419068	at	Rabqf1	BB280137	Mm.288639	5	8.209	8.383	8.318	8.165	8.184	8.352	8.249	8.257	8.298	8.245	8.280	8.204	8.228	8.294	8.272	8.445	8.255	8.283	8.346	8.149	8.107	8.168	8.159	8.547	
1419069	at	Rabqf1	BB280137	Mm.288639	5	6.821	7.117	6.829	6.695	6.800	6.558	6.745	6.578	6.996	6.887	6.869	6.749	6.830	6.955	6.780	6.669	6.618	6.639	6.667	6.598	6.738	6.617	6.634	6.920	
1419070	at	Cys1	BF466918	Mm.52265	12	7.845	7.703	7.657	8.040	8.073	8.025	7.906	8.133	7.911	8.064	7.597	8.592	8.844	7.697	7.854	7.735	7.475	7.238	7.107	6.932	7.812	7.874	7.602	7.433	
1419071	at	Cys1	BF466918	Mm.52265	12	7.050	6.682	6.931	6.993	6.676	6.821	6.755	6.899	6.748	6.794	6.744	6.920	6.842	6.907	6.755	6.778	7.087	7.006	6.859	7.055	7.091	6.891	7.022	6.915	
1419072	at	Gstm7	NM 026672	Mm.458189	3	9.702	8.775	9.697	9.459	9.051	9.179	9.119	9.076	8.204	8.398	8.827	8.915	8.624	8.301	8.897	9.665	9.989	9.807	9.470	9.494	9.649	9.650	9.293	9.369	
1419073	at	Tmeff2	NM 019790	Mm.245154	1	6.092	5.813	5.847	6.038	5.595	5.977	5.764	6.021	6.224	6.131	6.116	6.178	6.082	6.180	6.057	5.914	6.234	6.167	6.025	6.084	6.157	6.063	6.183	6.086	
1419074	at	Cys1	NM 026672	Mm.458189	3	9.318	9.369	9.527	9.259	9.058	9.203	9.259	9.545	8.361	9.092	8.845	9.233	9.238	9.186	9.229	9.277	9.246	9.322	9.277	9.246	9.322	9.277	9.246	9.322	
1419075	s at	Saa2	NM 011314	Mm.200941	7	5.574	5.191	5.386	5.162	5.228	5.301	5.341	5.185	5.311	5.239	5.248	5.201	5.186	5.322	5.263	5.275	5.353	5.180	5.285	5.383	5.156	5.148	5.123	5.123	
1419076	a at	BrcA2	NM 009765	Mm.236256	5	7.596	8.171	7.489	7.797	7.799	7.512	7.502	7.778	7.656	7.707	7.459	7.488	7.288	7.906	7.515	7.403	7.732	7.442	7.886	7.733	7.773	7.473	7.149	7.247	7.349
1419077	at	Mpp3	NM 007863	Mm.20449	11	7.743	7.371	7.704	7.754	7.596	7.714	7.838	7.453	7.336	7.088	7.467	7.467	7.366	7.534	7.488	7.667	7.524	7.468	7.415	7.573	7.464	7.459	7.812	7.610	
1419078	at	Nin	NM 008967	Mm.244047	12	7.159	7.355	6.942	7.225	7.710	7.100	7.089	7.531	7.384	7.516	7.584	7.237	7.410	7.230	7.255	6.981	7.406	7.461	7.112	7.100	7.297	7.525	7.184	7.174	
1419079	at	Scnn1f	NM 011326	Mm.35247	7	6.338	6.002	6.388	6.314	6.165	6.220	6.351	6.254	6.220	6.160	6.226	6.006	6.162	6.255	6.285	6.179	6.119	6.084	6.164	6.229	6.214	6.162	6.225	6.198	
1419080	at	Idnq	NM 010275	Mm.46749	15	6.053	5.924	5.934	5.936	5.865	6.066	6.105	5.944	5.872	6.098	6.222	5.975													

1419129	at	Sic22a13	NM 133980	Mm.38775	9	6.877	6.662	6.781	6.899	6.749	6.529	6.726	6.818	6.764	6.421	6.665	6.646	6.612	6.659	6.740	6.795	6.860	6.756	6.554	6.784	6.825	6.622	6.882	6.911
1419130	at	Adat2	NM 025748	Mm.331841	10	7.791	9.147	7.997	8.094	8.696	8.283	8.217	8.160	8.473	8.473	8.665	8.228	8.297	7.838	8.677	7.838	8.648	8.376	9.091	7.370	8.337	7.976	7.933	8.244
1419131	at	F13b	NM 031164	Mm.30105	1	4.801	4.521	4.908	4.867	4.630	5.012	4.910	4.662	4.702	4.468	4.869	4.583	4.822	4.777	4.847	4.949	4.533	4.684	4.943	4.841	4.777	4.552	4.915	5.088
1419132	at	Tlr2	NM 011905	Mm.87596	3	7.769	7.991	7.795	7.838	8.261	7.957	8.003	7.689	8.488	8.546	8.602	8.396	8.515	8.283	8.807	7.689	7.527	7.707	7.563	7.635	7.668	7.561	7.727	7.678
1419133	at	Evp1	NM 026276	Mm.293683	11	7.306	6.986	7.156	7.346	7.162	7.286	7.217	7.436	7.152	7.248	7.283	7.287	7.384	7.310	7.313	7.128	7.408	7.128	7.385	7.502	7.268	7.009	7.306	7.243
1419134	at	Rbpg	NM 021375	Mm.103777	3	6.832	6.836	6.875	6.721	6.596	6.872	6.372	6.853	6.809	6.597	6.657	6.825	6.634	6.644	6.816	6.783	6.712	6.915	6.809	6.641	6.823	6.867	6.745	6.883
1419135	at	Ltb	NM 008518	Mm.1715	17	5.397	6.136	5.633	5.781	5.786	5.654	5.621	6.010	6.120	6.021	6.010	5.812	6.090	5.939	5.738	5.562	6.088	5.991	5.720	5.435	5.854	5.836	5.645	5.537
1419136	at	Akr1c18	NM 134066	Mm.41337	13	7.853	7.483	7.707	7.759	7.787	7.746	7.942	7.918	7.806	7.634	7.849	7.572	7.672	7.740	7.754	7.897	7.814	7.717	7.748	7.902	7.945	7.818	7.771	7.853
1419137	at	Shank3	NM 021423	Mm.146855	15	9.971	9.733	9.656	9.805	10.131	9.789	9.974	9.938	9.339	9.483	10.256	9.807	9.668	9.543	9.735	9.740	9.887	10.015	9.574	9.842	9.942	10.135	10.078	9.812
1419138	at	B3qalt4	NM 019420	Mm.11132	17	7.772	7.863	7.694	7.861	7.969	7.936	7.886	7.948	8.061	7.994	7.624	8.151	8.232	7.964	7.929	7.767	8.073	7.958	7.935	7.990	7.657	7.767	7.770	7.803
1419139	at	Nm4744	NM 008109	Mm.4744	2	6.743	6.327	6.578	6.744	6.371	6.552	6.654	6.660	6.524	6.460	6.396	6.435	6.568	6.543	6.477	6.565	6.703	6.555	6.602	6.476	6.560	6.592	6.652	6.626
1419140	at	Acrv2b	NM 007397	Mm.390239	9	7.344	7.114	7.281	7.585	7.354	7.282	7.000	7.376	7.181	6.908	6.768	7.620	7.396	7.192	7.265	7.334	8.435	8.043	7.481	7.711	7.557	8.044	7.286	7.064
1419141	at	Cryd	NM 007776	Mm.425031	1	6.345	6.254	6.406	6.447	6.326	6.301	6.535	6.185	6.235	6.153	6.094	6.316	6.295	6.255	6.339	6.353	6.535	6.292	6.480	6.491	6.588	6.288	6.415	6.500
1419142	at	Ctcr	NM 020284	Mm.315715	13	4.546	4.423	4.532	4.500	4.431	4.357	4.420	4.608	4.416	4.289	4.484	4.369	4.407	4.515	4.330	4.423	4.429	4.446	4.633	4.596	4.445	4.393	4.494	4.390
1419143	at	Cytp6	NM 025738	Mm.45302	X	4.679	4.236	4.493	4.590	4.226	4.248	4.229	4.410	4.438	4.396	4.401	4.333	4.472	4.460	4.373	4.493	4.395	4.409	4.356	4.395	4.558	4.605	4.513	4.529
1419144	at	Cd163	NM 053094	Mm.37426	6	8.758	8.728	8.771	8.987	8.287	8.836	8.507	9.109	9.056	9.152	8.554	8.162	7.889	8.958	8.658	8.578	8.614	7.941	8.640	7.931	8.594	9.027	8.164	8.771
1419145	at	Smtnl1	NM 024230	Mm.33452	2	5.238	5.331	5.094	5.162	5.059	5.123	5.258	5.335	5.184	4.910	4.997	5.204	5.026	5.114	5.234	4.979	5.149	4.863	5.016	5.050	5.201	4.942	5.151	4.970
1419146	a at	Gck	BC011139	Mm.220358	11	8.013	7.550	8.079	8.099	8.608	8.171	8.182	7.740	7.884	8.039	8.508	8.284	8.036	7.904	8.187	8.192	7.239	7.650	7.609	7.792	8.582	7.786	8.634	9.454
1419147	at	RecB	NM 020002	Mm.23149	14	7.298	7.369	7.202	7.347	7.426	7.279	7.249	7.324	7.257	7.242	7.324	7.302	7.349	7.491	7.298	7.412	7.292	7.224	7.339	7.454	7.713	7.286	7.384	7.175
1419148	at	Avil	AF059486	Mm.10739	10	7.326	7.006	7.549	7.325	7.077	6.968	7.218	6.992	7.553	6.908	7.218	7.172	7.190	7.256	7.043	7.179	7.182	7.191	7.094	7.324	7.196	7.216	7.476	7.168
1419149	at	Seepne1	NM 008871	Mm.250422	5	11.183	12.432	10.016	9.670	12.079	10.307	10.113	11.053	12.570	11.926	12.874	12.161	12.938	12.216	12.394	9.890	9.553	9.471	9.738	9.313	10.607	10.947	10.279	11.705
1419150	at	Myf6	NM 008657	Mm.11	10	5.168	4.869	5.408	5.108	5.189	5.147	5.213	5.185	5.133	5.082	5.595	5.082	5.350	5.041	5.059	5.284	5.000	5.320	5.125	5.411	5.316	5.142	5.351	5.361
1419151	at	4930449124Rik	NM 026136	Mm.460715	5	4.979	4.931	5.093	4.737	4.494	4.746	4.798	4.878	4.907	4.788	4.669	4.843	4.674	4.899	4.831	4.857	5.001	4.952	4.805	4.869	5.067	4.978	4.987	5.116
1419152	at	2810417H13Rik	AK017673	Mm.351273	9	4.533	5.521	4.463	4.629	4.595	4.730	4.505	4.862	4.407	4.185	4.525	4.563	4.487	5.725	4.886	4.439	4.300	4.214	4.453	4.556	4.604	4.311	4.302	4.474
1419153	at	2810417H13Rik	AK017673	Mm.351273	9	8.293	10.708	8.233	8.662	9.406	8.550	8.593	9.648	10.173	9.809	9.546	8.472	8.863	10.489	8.887	8.127	7.959	8.070	8.123	8.254	8.195	8.319	8.322	8.323
1419154	at	Tmprs2	NM 015775	Mm.276145	16	6.619	6.059	6.396	6.411	6.383	6.398	6.620	6.120	6.436	6.273	6.428	6.385	6.347	6.490	6.367	6.528	6.305	6.443	6.398	6.660	6.579	6.228	6.563	6.409
1419155	a at	Sox4	NM 020627	Mm.120627	13	8.048	7.567	7.764	8.957	8.024	8.046	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147	8.320	8.147
1419156	at	Cd3a	AI428101	Mm.82106	17	7.915	8.090	7.818	8.506	8.138	8.238	8.618	8.287	8.211	7.324	8.287	8.729	8.086	8.237	8.937	8.662	9.409	9.028	9.524	8.838	8.951	8.951	8.951	8.951
1419157	at	Sox4	AI428101	Mm.240627	13	6.259	5.934	6.326	6.340	6.271	6.505	6.338	6.149	6.385	6.323	6.382	6.375	6.441	6.435	6.547	6.426	6.163	6.730	6.894	6.531	6.239	6.020	6.277	6.407
1419158	a at	Hars2	NM 080636	Mm.282700	18	8.895	8.953	9.217	9.318	8.874	9.405	9.241	8.881	8.648	8.626	8.739	8.903	8.786	8.889	9.031	9.340	9.277	9.312	9.494	9.458	9.061	9.143	9.258	9.349
1419159	at	Golga3	D78270	Mm.9392	5	10.077	10.190	10.223	10.018	10.312	9.976	10.102	9.996	10.074	10.131	10.259	10.116	10.015	10.095	9.975	10.173	9.908	10.116	10.208	10.018	9.872	10.012	10.019	10.112
1419160	at	Golga3	D78270	Mm.9392	5	4.167	4.613	4.606	4.413	4.480	4.421	4.300	4.289	4.504	4.560	4.471	4.447	4.298	4.423	4.244	4.315	4.287	4.216	4.314	4.629	4.369	4.528	4.433	4.513
1419161	a at	Nox4	AB041034	Mm.31748	7	4.953	5.075	4.960	4.838	5.986	5.240	4.764	5.327	6.062	6.625	5.272	6.095	6.736	5.175	6.423	4.840	4.745	4.943	5.086	4.933	4.904	4.806	4.918	4.821
1419162	s at	Dnaic3	BE624323	Mm.12616	14	8.916	9.072	8.731	8.485	8.011	8.576	8.323	8.383	8.642	8.797	8.240	8.375	8.845	8.905	8.121	8.634	7.971	7.827	7.774	8.035	7.975	8.320	8.237	8.258
1419163	s at	Dnaic3	BE624323	Mm.12616	15	9.155	8.795	8.855	8.895	8.277	8.586	8.223	8.283	8.293	8.328	8.392	8.161	8.375	8.535	8.288	8.247	8.610	8.187	8.187	8.587	8.927	9.278	9.278	9.278
1419164	at	Zfp260	D45210	Mm.195092	7	9.043	9.366	9.065	9.270	8.975	9.259	9.195	8.947	9.385	9.377	8.732	9.524	9.479	9.160	9.361	9.078	9.153	9.288	9.334	9.167	9.207	9.269	9.169	9.039
1419165	at	Zfp260	D45210	Mm.195092	7	9.042	9.287	9.168	9.138	9.261	9.354	9.277	9.098	9.304	9.625	8.942	9.364	9.463	9.201	9.407	9.224	9.168	9.105	9.230	9.139	9.196	9.156	9.281	9.214
1419166	at	Sic5a2	BC022226	Mm.38870	7	8.184	7.770	8.146	8.081	7.982	8.006	8.054	8.112	7.741	7.765	7.880	7.905	7.763	7.799	8.007	8.120	8.050	8.214	7.973	8.198	8.254	7.945	8.164	8.207
1419167	at	Prap1	NM 009475	Mm.439707	7	6.373	6.106	6.350	6.313	6.136	6.191	6.117	6.274	6.349	5.848	6.330	6.043	6.093	6.044	6.037	6.274	6.260	6.264	6.124	6.202	6.370	6.045	6.367	6.296
1419168	at	Mapk6	BC024684	Mm.18856	9	7.382	7.325	7.368	7.403	7.298	7.293	7.410	7.301	7.493	7.294	7.107	7.241	7.164	7.368	7.348	7.256	7.199	7.234	7.449	7.375	7.345	7.277	7.429	7.503
1419169	at	Mapk6	BC024684	Mm.18856	9	9.874	10.299	9.769	9.571	9.796	9.860	9.644	9.704	10.031	10.297	10.699	9.734	9.950	10.1										

1419218	at	Vanq12	AY035370	Mm.36148	1	8.662	8.168	8.478	8.512	8.250	8.423	8.361	8.404	8.405	8.353	8.423	8.191	8.358	8.388	8.203	8.423	8.392	8.460	8.371	8.482	8.412	8.408	8.446	8.330	
1419219	at	Cvp4f18	NM 024444	Mm.160020	8	5.493	5.768	5.572	5.542	5.468	5.422	5.517	5.444	5.712	5.760	5.572	5.881	5.702	5.758	5.441	5.495	5.570	5.420	5.626	5.485	5.705	5.531	5.626	5.766	
1419220	at	Xirp1	NM 011724	Mm.10117	9	11.835	11.577	10.925	10.456	11.250	10.493	11.018	11.901	11.824	11.869	13.316	11.747	11.542	11.151	12.148	11.023	11.043	10.928	10.611	10.498	11.487	11.118	10.900	11.463	
1419221	a	Rqs14	NM 016758	Mm.1426	13	8.696	8.632	8.731	8.733	8.623	8.666	8.805	8.631	8.758	8.826	8.724	8.776	8.767	8.808	8.752	8.663	8.541	8.510	8.669	8.705	8.747	8.821	8.651	8.785	
1419222	a	Tolaa2r	NM 009325	Mm.456	10	8.135	8.975	9.166	9.174	9.172	9.212	9.230	9.354	9.408	9.301	9.187	9.271	9.630	9.107	9.187	8.987	9.221	9.311	9.102	9.308	9.306	9.132	9.142	9.215	
1419222	at	Dtna	AF143542	Mm.94371	18	10.073	9.685	9.954	9.575	9.992	9.871	10.113	10.242	9.735	9.864	10.183	10.050	9.959	9.769	10.455	9.992	10.205	10.246	10.198	10.106	10.348	10.032	9.994	10.139	
1419224	at	Cecr6	NM 003567	Mm.23088	6	8.137	7.916	8.190	8.159	8.131	8.084	8.251	8.192	8.072	7.764	8.151	7.945	7.975	8.140	8.195	8.189	8.334	8.132	8.212	8.284	8.342	8.107	8.211	8.291	
1419225	at	Cacna2d3	NM 009785	Mm.386754	14	5.570	5.421	5.664	5.656	5.591	5.481	5.789	5.738	5.562	5.554	5.717	5.675	5.598	5.509	5.807	5.680	5.745	5.641	5.784	5.682	5.509	5.478	5.680	5.628	
1419226	at	Cd9e	NM 032465	Mm.29204	16	7.672	7.276	7.576	7.563	7.444	7.686	7.534	7.556	7.330	7.414	7.536	7.177	7.473	7.567	7.509	7.550	7.373	7.215	7.588	7.708	7.558	7.498	7.577	7.649	
1419227	at	Cct6b	NM 009839	Mm.4126	11	5.714	5.586	5.427	5.538	5.378	5.509	5.574	5.259	5.460	5.409	5.398	5.307	5.484	5.462	5.599	5.533	5.516	5.416	5.490	5.545	5.376	5.262	5.524	5.461	
1419228	at	Elac1	NM 028993	Mm.50642	18	7.355	7.242	7.732	7.538	7.709	7.580	7.420	6.984	7.197	7.340	6.795	7.242	7.079	7.350	7.336	7.744	7.004	7.391	7.248	7.283	7.337	7.071	7.721	7.661	
1419229	at	Rhox4b	NM 021300	Mm.327419	x	5.168	4.890	5.083	5.337	5.064	5.071	5.047	4.909	5.033	5.079	5.011	5.040	4.960	5.027	4.946	5.073	5.149	5.127	5.035	5.263	5.068	5.206	4.990	4.992	
1419230	at	Krl12	NM 010661	Mm.436651	11	5.367	4.675	5.276	5.170	4.890	5.024	5.128	5.114	4.867	4.937	5.162	5.122	5.087	5.066	5.261	5.192	5.311	5.241	5.350	5.131	5.500	5.207	5.076	5.166	
1419231	s	Krl12	NM 010661	Mm.436651	11	4.964	4.800	4.924	4.918	4.899	4.904	4.838	4.899	4.780	4.663	5.187	4.691	4.791	4.705	4.926	5.111	4.915	4.928	5.288	5.200	4.782	4.440	4.992	4.744	
1419232	a	Apoa1	NM 009692	Mm.26743	9	5.533	5.202	5.235	5.343	5.297	5.129	5.245	5.425	5.154	5.210	5.277	5.426	5.412	5.364	5.166	5.504	5.574	5.402	5.269	5.655	5.378	5.346	5.348	5.474	
1419233	x	Apoa1	NM 009692	Mm.26743	9	7.296	7.300	7.316	7.519	7.338	7.258	7.239	7.408	7.217	7.220	7.466	7.255	7.320	7.297	7.333	7.343	7.527	7.063	7.381	7.490	7.399	7.404	7.307	7.462	
1419234	at	Helb	BG070273	Mm.214703	10	6.938	7.061	6.796	6.916	7.441	7.172	7.211	6.625	6.988	7.210	6.970	6.792	6.880	7.104	6.920	6.798	7.017	7.224	7.339	7.337	6.605	6.709	6.836	6.923	
1419235	s	at	BG070273	Mm.214703	10	7.150	7.692	7.253	7.522	7.709	7.568	7.663	7.564	7.647	7.652	7.127	7.872	7.647	6.996	7.617	7.410	7.910	8.023	7.878	7.820	7.635	7.610	7.309	7.495	
1419236	at	Helb	BG070273	Mm.214703	10	7.095	6.864	7.057	7.026	6.872	7.025	6.995	6.989	6.903	6.815	6.875	6.903	6.911	6.810	6.977	6.881	7.052	7.039	7.192	6.969	7.035	6.766	6.939	7.123	
1419237	at	Usp29	NM 021323	Mm.40752	7	5.115	4.919	5.007	4.933	5.025	4.951	5.024	4.992	5.150	5.140	4.975	4.886	4.945	4.908	5.026	5.125	4.911	5.024	5.089	5.064	5.172	5.114	4.961	5.129	
1419238	at	Abca7	NM 013850	Mm.103351	10	8.341	8.497	8.280	8.501	8.351	8.028	8.065	8.491	8.585	8.462	8.103	8.433	8.431	8.248	8.091	8.336	8.469	8.403	7.973	7.938	8.223	8.567	8.120	8.064	
1419239	at	Ztf54	NM 011360	Mm.12916	17	5.808	6.532	6.165	6.152	5.995	6.213	6.066	6.151	6.305	6.418	6.049	6.015	5.924	6.191	5.934	5.943	5.523	5.972	5.922	5.844	5.911	5.803	5.573	5.800	
1419240	at	Tex14	NM 031786	Mm.440758	11	6.507	6.502	6.390	6.596	6.632	6.576	6.561	6.647	6.651	6.618	6.647	6.598	6.541	6.616	6.511	6.600	6.605	6.486	6.603	6.657	6.688	6.602	6.650	6.769	
1419241	a	at	NM 009646	Mm.35300	10	7.630	7.181	7.558	7.826	7.486	7.243	7.406	7.531	7.585	7.269	7.591	7.497	7.320	7.453	7.493	7.506	7.727	7.492	7.531	7.624	7.451	7.576	7.702	7.595	
1419242	at	9530002B09Rik	AF319955	Mm.157655	4	6.652	6.382	6.904	6.451	6.567	6.754	6.831	6.665	6.581	6.412	6.599	6.485	6.556	6.661	6.664	6.840	6.560	6.830	6.582	6.952	6.837	6.701	6.529	6.783	
1419243	at	Rab14	AV339290	Mm.198264	2	9.856	9.698	9.735	9.687	9.646	9.827	9.805	9.499	9.604	9.699	9.688	9.539	9.608	9.673	9.731	9.727	9.588	9.969	9.937	9.822	9.848	9.758	9.857	9.942	
1419244	a	Rab14	NM 023190	Mm.198264	2	10.320	10.408	10.324	10.406	10.207	10.240	10.167	10.485	10.122	10.039	10.309	10.024	10.102	10.033	10.198	10.373	10.198	10.373	10.198	10.373	10.198	10.373	10.198	10.373	10.198
1419245	at	Rab14	AV339290	Mm.198264	2	9.856	9.698	9.735	9.687	9.646	9.827	9.805	9.499	9.604	9.699	9.688	9.539	9.608	9.673	9.731	9.727	9.588	9.969	9.937	9.822	9.848	9.758	9.857	9.942	
1419246	s	at	AV339290	Mm.198264	2	11.812	11.865	11.985	11.864	11.759	12.023	11.913	11.917	11.756	11.848	11.700	11.759	11.772	11.892	11.740	11.968	11.854	11.866	11.771	11.808	11.797	11.953	11.883	11.950	
1419247	at	Rqs2	AF215668	Mm.28262	1	9.444	9.209	9.281	9.218	9.368	9.482	9.214	8.873	8.943	8.998	9.086	9.166	8.876	8.807	9.231	10.256	9.979	10.034	9.796	8.883	9.769	9.737	10.330	10.988	
1419248	at	Rgs2	AF215668	Mm.28262	1	10.166	9.806	10.205	10.133	10.040	10.306	10.098	9.122	9.446	9.635	8.974	9.543	9.717	9.565	9.622	10.104	10.358	10.529	10.800	10.445	9.392	10.237	10.669	11.832	
1419249	at	Pttk1	A1327038	Mm.389061	5	5.854	6.850	6.017	5.805	6.051	6.103	5.958	6.409	7.642	7.181	6.307	7.077	7.008	6.906	6.797	5.928	6.007	6.071	5.962	5.837	5.938	6.191	6.266	5.962	
1419250	a	Pttk1	A1327038	Mm.389061	5	6.297	6.222	6.087	6.198	6.198	6.081	6.263	6.203	6.492	6.349	6.226	6.022	6.091	6.206	6.169	6.084	6.235	6.150	6.112	6.302	6.247	6.290	6.364	6.299	
1419251	at	Enp15	BG067649	Mm.318250	4	6.991	6.778	7.013	7.009	7.516	7.214	7.162	6.757	8.130	8.125	7.400	7.586	7.635	7.895	7.359	7.317	6.537	6.677	7.082	6.848	6.636	6.667	6.894	7.243	
1419252	at	C9orf14	BG067649	Mm.318250	7	11.318	11.477	11.549	11.595	11.695	11.620	11.659	11.267	11.156	11.342	11.569	11.580	11.708	11.529	11.747	11.529	11.163	11.217	11.529	11.163	11.217	11.529	11.163	11.217	
1419253	at	Mthfd2	BG076333	Mm.443	6	7.866	8.997	8.056	8.076	8.373	8.085	8.237	8.260	9.047	8.897	8.202	8.534	8.427	8.855	8.137	8.051	7.749	7.929	7.966	7.931	7.872	7.746	7.811	7.954	
1419254	at	Mthfd2	BG076333	Mm.443	6	6.949	8.903	6.661	6.964	7.445	7.059	7.111	7.375	8.575	8.363	8.231	7.781	7.527	8.398	7.420	6.995	6.187	6.643	6.828	6.281	6.630	6.484	6.757	6.772	
1419255	at	Spnb2	BM213516	Mm.123110	11	11.896	11.485	11.936	12.049	11.819	11.985	11.870	11.470	11.165	11.434	11.267	11.675	11.661	11.449	11.640	11.976	12.056	11.859	11.824	12.015	11.897	12.066	12.089	11.888	
1419256	at	Spnb2	BM213516	Mm.123110	11	12.322	12.305	12.154	12.543	12.600	12.312	12.221	12.702	12.395	12.444	12.367	12.693	12.501	12.069	12.460	12.285	12.652	12.451	12.334	12.378	12.590	12.779	12.602	12.392	
1419257	at	Tcea1	BC006022	Mm.207263	1	8.177	8.460	8.227	8.172	8.809	8.309	8.152	7.596	8.265	8.609	8.485	8.310	8.290	8.719	8.384	8.233	7.717	8.002	8.260	8.180	7.707	7.774	8.265	8.387	
1419258	at	Tcea1	BC006022	Mm.207263	1	10.541	10.703																							

1419307	at	Rfrsfr13c	NM	028075	Mm.240047	15	6.750	6.411	6.571	6.526	6.240	6.568	6.567	6.446	6.241	6.110	6.386	6.317	6.333	6.338	6.404	6.490	6.563	6.472	6.573	6.609	6.491	6.424	6.240	6.396
1419308	at	Invs	NM	010569	Mm.317706	4	7.107	7.120	7.041	6.707	6.646	6.966	6.781	7.075	7.589	7.678	7.175	7.362	7.490	7.202	7.204	6.606	7.076	6.962	7.140	7.153	7.030	7.076	7.088	6.850
1419309	at	Pdon	NM	010329	Mm.2976	4	8.766	9.556	8.827	8.920	8.827	9.333	9.240	8.941	8.912	8.860	8.896	8.921	9.428	9.958	8.696	9.930	8.573	8.370	8.414	8.356	8.107	8.393	8.200	8.337
1419310	s at	Rfrxank	L43164		Mm.161167	8	9.401	9.677	9.071	8.842	8.994	8.990	9.116	9.387	9.204	9.344	9.129	9.093	8.775	8.890	8.802	9.120	9.442	9.538	9.334	9.127	9.141	9.168	8.892	8.953
1419311	at	Trm10	NM	029155	Mm.299155	17	6.312	6.796	6.868	6.867	6.820	6.598	6.903	6.852	7.045	6.823	6.912	6.549	6.885	6.329	6.839	6.982	6.690	7.011	6.778	6.877	6.895	6.524	6.928	7.142
1419312	at	Atp2a1	NM	007504	Mm.35134	7	8.561	8.741	8.533	8.389	8.322	8.389	8.307	8.196	8.189	8.105	8.152	8.292	8.150	8.162	8.282	8.422	8.335	8.317	8.227	8.525	8.523	8.318	8.543	8.638
1419313	at	Ccn1	NM	009833	Mm.29941	15	8.829	8.754	8.979	8.804	8.812	8.596	8.661	8.790	8.886	8.803	8.856	8.778	8.803	8.748	8.781	8.884	9.160	8.851	8.834	8.902	8.862	8.714	8.837	8.880
1419314	at	Tinaq	BC010745		Mm.23199	9	5.816	5.278	5.633	5.677	5.476	5.835	5.664	5.393	5.497	5.396	5.724	5.385	5.403	5.390	5.647	5.446	5.616	5.548	5.846	6.001	5.683	5.502	5.651	5.595
1419315	at	Slamf9	NM	029612	Mm.150050	1	8.324	8.821	8.244	8.417	8.443	8.418	8.785	8.447	8.450	8.218	8.467	8.645	8.478	8.732	8.146	8.253	8.835	8.049	7.965	8.033	8.131	8.111	8.135	7.919
1419316	s at	Gnb1b	NM	023120	Mm.236139	16	6.774	7.099	6.549	6.767	6.798	6.350	6.793	6.824	6.899	6.569	6.853	6.836	6.734	6.784	6.312	6.602	7.187	7.130	6.922	6.636	7.027	6.902	6.555	6.474
1419317	x at	Lce3c	NM	033175	Mm.301748	3	8.673	8.316	8.547	8.607	8.445	8.392	8.536	8.629	8.250	8.343	8.511	8.407	8.288	8.401	8.443	8.502	8.582	8.484	8.539	8.523	8.612	8.434	8.486	8.573
1419318	at	Saa4	NM	011316	Mm.3489	7	6.674	6.067	6.276	6.423	6.619	6.259	6.411	6.629	6.521	6.230	6.592	6.281	6.494	6.226	6.537	6.209	6.447	6.372	6.373	6.359	6.464	6.301	6.729	6.463
1419319	at	Saa4	NM	011315	Mm.3489	7	6.972	6.657	7.041	7.088	6.895	6.977	7.159	6.944	6.960	6.713	6.976	6.937	6.957	6.988	6.854	7.052	6.976	6.904	7.018	7.173	6.933	6.911	7.089	7.055
1419320	at	Chst5	NM	019950	Mm.432506	8	7.636	7.187	7.506	7.506	7.307	7.284	7.419	7.429	7.323	7.386	7.385	7.294	7.400	7.440	7.501	7.375	7.589	7.578	7.340	7.524	7.479	7.601	7.349	7.453
1419321	at	F7	NM	010172	Mm.4827	8	7.038	6.987	6.968	6.979	6.921	7.022	6.996	7.282	7.194	6.716	7.158	6.722	6.913	7.310	6.986	6.765	6.864	6.921	6.823	6.903	7.023	7.110	7.194	6.974
1419322	at	Fqd6	NM	053072	Mm.269596	10	7.665	7.603	7.523	7.285	7.650	7.340	7.519	7.540	7.615	7.731	7.970	7.606	7.601	7.632	7.796	7.544	7.475	7.575	7.570	7.294	7.524	7.712	7.685	7.912
1419323	at	Padi1	NM	011059	Mm.442108	4	5.212	4.996	5.101	5.118	5.077	5.065	5.101	5.366	5.247	4.914	5.128	5.045	4.982	4.971	5.106	5.059	5.543	5.115	5.054	5.260	5.320	5.050	5.179	5.199
1419324	at	Lhx9	NM	010714	Mm.250732	1	4.631	4.576	4.954	4.857	4.697	4.888	4.965	4.645	4.746	4.713	4.829	4.706	4.701	4.725	4.933	4.949	4.709	4.773	4.925	5.177	4.866	4.678	4.887	5.156
1419325	at	Nmu	NM	019515	Mm.154679	5	6.938	6.497	6.694	6.826	6.833	6.709	6.821	6.726	6.802	6.693	6.839	6.734	6.901	6.815	6.927	6.726	6.573	6.677	6.795	7.106	6.759	6.684	6.887	6.859
1419326	at	2BP14Rik	NM	026188	Mm.443287	19	5.411	4.972	5.452	5.067	5.113	5.411	5.341	5.082	5.035	5.054	5.284	4.992	5.159	5.038	5.099	5.228	5.185	5.152	5.377	5.364	5.183	5.106	5.470	5.522
1419327	at	Pdxc1f	NM	053181	Mm.171484	16	8.159	7.958	8.247	8.162	8.252	8.095	8.293	8.176	8.163	8.107	8.167	8.141	8.119	8.120	8.163	8.148	8.218	8.186	8.119	8.147	8.223	8.164	8.275	8.148
1419328	at	Sema4f	AB021291		Mm.270543	6	7.972	7.743	7.869	7.962	7.789	7.683	7.749	7.944	7.792	7.700	7.892	7.765	7.744	7.866	7.730	7.832	7.855	7.771	7.838	7.922	8.033	7.805	7.874	7.758
1419329	at	Sorbs3	NM	011366	Mm.5068	14	9.243	9.157	9.100	9.080	9.298	9.135	9.086	9.664	9.693	9.689	9.297	9.744	9.475	9.527	9.624	9.145	9.257	9.339	9.284	9.088	9.390	9.396	9.184	9.205
1419330	a at	Gpa33	NM	021610	Mm.46357	1	7.191	6.887	7.052	7.311	7.067	6.845	6.943	7.182	7.058	6.988	6.949	7.098	7.046	7.082	7.118	7.047	7.131	7.111	7.150	7.265	7.172	6.949	7.165	7.117
1419331	at	Cdh17	NM	019753	Mm.33402	4	6.497	5.598	6.201	6.247	5.873	6.166	6.342	6.005	5.819	5.972	5.837	5.770	5.787	6.089	6.341	5.970	6.109	6.168	6.444	6.224	5.996	6.164	6.415	
1419332	at	Egf6	NM	019397	Mm.37707	x	4.211	4.058	4.261	4.223	4.140	4.206	4.039	4.266	4.164	4.062	4.208	4.053	4.158	4.332	4.130	4.439	4.213	4.164	4.270	4.146	4.266	4.247	4.323	4.401
1419333	at	00B03Rik	NM	030965	Mm.3984	5	6.812	7.988	6.101	6.887	6.107	6.983	6.851	6.876	6.828	7.876	6.833	7.976	6.838	6.828	6.838	6.828	6.828	6.828	6.828	6.828	6.828	6.828	6.828	6.828
1419334	at	C14a	NM	009843	Mm.390	9	4.484	4.286	4.646	4.713	4.487	4.670	4.705	4.381	4.687	4.729	4.318	6.254	6.038	4.447	6.487	6.487	6.487	6.487	6.487	6.487	6.487	6.487	6.487	6.487
1419335	at	4930441O14Rik	NM	026649	Mm.145530	13	5.520	5.483	5.624	5.558	5.404	5.461	5.543	5.573	5.498	5.278	5.483	5.218	5.440	5.510	5.403	5.511	5.528	5.592	5.495	5.669	5.545	5.529	5.519	5.416
1419336	at	Lcn5	NM	007947	Mm.12867	2	6.331	6.382	6.394	6.487	6.186	6.245	6.373	6.186	6.085	6.291	6.220	6.241	6.357	6.248	6.308	6.190	6.311	6.336	6.294	6.333	6.406	6.317	6.468	6.196
1419337	at	1700080E11Rik	NM	028562	Mm.23516	9	7.155	6.971	6.930	6.986	6.872	6.818	7.143	7.363	6.823	6.792	6.871	6.811	6.810	6.908	6.930	7.094	7.029	7.002	7.155	6.814	7.113	7.047	7.144	7.119
1419338	at	BC051019	NM	020609	Mm.358682	7	4.847	4.727	4.810	4.758	4.651	4.951	4.765	4.851	4.584	4.609	4.573	4.715	4.758	4.746	4.749	4.971	4.729	4.818	4.725	4.769	4.788	4.401	4.751	4.864
1419339	at	Neu3	NM	016720	Mm.103703	7	7.123	7.010	7.079	7.093	7.147	7.153	7.071	7.048	6.940	6.986	7.177	6.984	6.936	7.083	7.043	7.251	7.129	7.064	7.120	7.127	7.120	6.995	7.242	7.175
1419340	at	Wbp101	NM	031260	Mm.358791	15	10.949	10.351	11.184	11.041	10.399	10.879	10.850	10.153	9.656	10.088	10.086	10.216	9.909	9.620	10.398	11.098	11.103	11.076	11.303	11.165	10.870	10.835	10.445	10.682
1419341	at	Epi3n1	NM	025495	Mm.2859	4	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499	5.499
1419342	at	Tram2	NM	133252	Mm.185680	1	7.019	7.104	6.981	7.034	7.152	6.884	7.057	7.142	7.214	7.235	7.168	6.926	7.233	7.289	7.177	7.010	7.325	7.215	7.172	7.266	7.321	7.255	7.271	7.305
1419343	at	Slc15a1	NM	053079	Mm.155618	14	4.652	4.612	4.908	5.041	4.887	5.032	5.004	4.925	4.893	4.888	5.068	4.829	5.003	4.945	5.062	4.955	5.012	5.041	4.964	5.114	4.872	4.972	5.025	4.926
1419344	at	Tcte1	NM	013688	Mm.391006	17	6.702	6.468	6.681	6.599	6.599	6.588	6.577	6.649	6.543	6.388	6.580	6.334	6.409	6.552	6.391	6.587	6.394	6.565	6.662	6.839	6.508	6.426	6.682	6.554
1419345	at	Pth	NM	020623	Mm.284168	7	5.440	5.129	5.113	5.327	5.258	5.407	5.133	5.352	5.257	5.026	5.367	4.989	5.239	5.070	5.283	4.961	5.296	5.162	5.300	5.478	5.245	4.999	5.373	
1419346	a at	Svs5	NM	009301	Mm.140154	2	4.577	4.629	4.854	4.814	4.807	4.566	4.533	5.174	4.692	4.541	4.661	4.784	4.477	4.570	4.554	4.451	4.840	4.662	4.415	4.019	4.699	4.906	4.779	4.622
1419347	x at	Svs5	NM	009301	Mm.140154	2	4.195</																							

1419396	at	Arid3a	NM 007880	Mm.301282	10	9.299	8.994	9.225	9.319	9.151	9.190	9.218	9.121	9.274	9.140	9.432	9.052	9.254	9.195	9.089	9.088	9.093	9.101	9.293	9.232	9.276	9.240	9.198		
1419397	at	Pola1	NM 008892	Mm.1923	X	8.041	9.076	8.179	8.149	8.195	8.429	8.750	8.509	7.988	7.986	8.136	7.766	7.839	8.710	7.919	8.158	8.130	7.910	8.027	8.264	8.053	8.291	8.186	7.972	
1419398	a at	Reep5	NM 007874	Mm.280075	18	11.324	11.743	11.556	11.600	11.555	11.488	11.485	11.185	11.683	11.789	11.406	11.355	11.407	11.424	11.367	11.570	11.408	11.405	11.502	11.504	11.363	11.039	11.284	11.239	
1419399	at	Mtp	AW553649	Mm.2941	3	7.596	7.450	8.096	8.237	8.099	8.063	7.841	7.946	7.910	8.042	7.721	7.810	7.872	7.971	7.823	8.098	8.130	8.163	8.359	8.264	8.020	7.872	8.061	7.969	
1419400	at	Mtp2	AW553649	Mm.2941	3	6.484	6.552	6.977	6.954	6.980	7.216	6.830	6.521	6.792	6.859	6.156	6.896	6.498	6.834	6.644	7.307	7.685	7.325	7.558	7.324	7.137	7.244	7.139		
1419401	at	Asb13	AF403041	Mm.253061	13	6.464	6.634	6.574	6.847	6.403	6.351	6.746	6.680	5.911	6.359	5.831	6.650	6.047	6.365	6.265	6.525	7.089	6.871	6.614	6.602	7.000	7.321	6.707		
1419402	at	Mns1	NM 008613	Mm.387671	9	5.075	5.436	5.120	5.090	5.107	5.112	4.862	5.074	5.236	4.984	5.187	5.306	5.190	5.272	5.148	4.976	4.932	5.087	4.876	4.892	4.922	4.939	5.118	5.157	
1419403	at	BC017612	NM 133214	Mm.86572	9	8.652	8.781	8.846	9.209	8.976	8.877	9.038	9.063	8.718	8.691	8.869	8.890	8.854	8.953	8.879	8.891	9.039	9.069	8.949	9.222	8.813	9.048	9.231	8.935	
1419404	s at	Slah1b	NM 009173	Mm.37215	X	5.068	5.027	5.053	5.045	4.777	4.800	4.632	4.444	4.618	5.207	4.698	4.859	4.603	4.769	5.177	5.323	4.502	4.635	4.722	4.906	4.715	4.598	5.017	5.385	
1419405	at	Nmb	NM 026523	Mm.22246	7	7.037	6.743	7.116	7.396	7.115	7.072	7.139	7.110	6.814	6.581	6.794	7.059	6.876	6.971	6.879	7.048	7.251	7.062	7.082	6.968	7.362	8.086	7.090	7.020	
1419406	a at	Bcl11a	NM 016707	Mm.53687	11	6.600	6.125	6.293	6.366	6.525	6.426	6.407	6.375	6.217	6.201	6.242	6.090	6.246	6.182	6.233	6.260	6.776	6.834	6.595	6.709	6.584	6.436	6.550	6.621	
1419407	at	Hc	NM 010406	Mm.2168	2	6.673	6.087	6.635	6.622	6.392	6.591	6.539	6.430	6.314	6.395	6.770	6.291	6.573	6.542	6.448	6.427	6.474	6.556	6.684	6.751	6.563	6.452	6.498	6.446	
1419408	at	Six6	AF050130	Mm.57138	12	4.508	4.527	4.879	4.659	4.571	4.487	4.588	4.436	4.500	4.412	4.544	4.492	4.442	4.505	4.436	4.392	4.511	4.464	4.332	4.520	4.433	4.448	4.426	4.554	
1419409	at	Lce1b	NM 026822	Mm.291769	3	7.295	6.705	7.144	7.003	6.845	6.901	7.054	7.020	6.859	6.867	7.179	6.904	7.093	7.081	6.874	7.049	6.651	6.952	6.924	7.090	6.962	6.682	6.964	7.033	
1419410	at	Batf	NM 016767	Mm.6672	12	8.115	7.917	7.935	8.045	8.016	7.912	7.952	7.944	8.038	7.975	8.297	7.802	7.923	8.104	7.989	8.099	8.066	8.156	8.089	8.033	7.982	7.988	8.022	7.909	
1419411	at	Tac2	NM 009312	Mm.2374	10	6.113	5.612	5.917	5.928	6.030	5.676	5.868	5.878	5.886	5.637	5.745	5.846	5.968	5.960	5.573	5.796	5.802	5.791	5.736	6.082	6.025	5.723	5.821	5.690	
1419412	at	Xcl1	NM 008510	Mm.190	1	5.592	5.802	5.579	5.620	5.600	5.574	5.580	5.523	5.519	5.559	5.722	5.423	5.577	5.595	5.613	5.584	5.732	5.583	5.616	5.684	5.524	5.458	5.583	5.521	
1419413	at	Ccl17	NM 011332	Mm.41988	8	7.272	6.875	6.922	6.936	6.937	6.780	6.919	6.933	7.076	6.915	7.193	7.247	6.997	6.856	6.918	6.759	6.855	6.845	6.933	7.083	6.840	6.841	6.922	6.871	
1419414	at	Gna13	AB030194	Mm.171123	17	6.915	6.174	6.713	6.696	6.509	6.514	6.668	6.757	6.495	6.350	6.554	6.459	6.646	6.558	6.522	6.738	6.754	6.480	6.604	6.706	6.504	6.599	6.638	6.653	
1419415	a at	Rara	NM 011244	Mm.1273	15	9.305	9.225	9.350	9.421	9.379	9.499	9.444	9.313	9.620	9.453	9.299	9.914	9.784	9.403	9.807	9.442	9.429	9.521	9.321	9.507	9.614	9.426	9.430	9.412	
1419416	a at	Rara	NM 011244	Mm.1273	15	7.758	7.321	7.525	7.523	7.460	7.698	7.736	7.379	7.555	7.462	7.255	7.478	7.637	7.578	7.730	7.790	7.720	7.646	7.755	7.834	7.675	7.413	6.690	7.844	
1419417	at	Vegf	NM 009506	Mm.1402	8	8.203	8.242	8.076	8.268	8.488	8.486	8.419	8.655	8.355	8.689	8.174	8.973	8.726	8.361	8.719	8.087	8.685	8.761	8.487	8.585	8.244	8.237	7.823	7.796	
1419418	a at	Morcl1	NM 010816	Mm.250060	16	4.324	4.480	4.487	4.076	4.123	4.221	4.565	4.230	4.525	4.211	4.490	4.140	4.376	4.203	4.198	4.302	4.089	4.194	4.189	4.162	4.211	4.219	4.284	4.210	
1419419	at	DH6HS2654E	NM 138746	Mm.41991	13	6.189	6.060	6.160	6.258	6.184	5.966	6.188	6.036	6.278	6.095	5.791	6.096	6.073	6.111	5.912	6.155	6.117	6.016	6.144	6.100	6.224	6.345	6.217	6.313	
1419420	at	St6glnac5	NM 010208	Mm.40915	3	5.678	5.250	5.144	5.411	5.143	5.240	5.267	5.173	5.111	5.020	5.256	5.049	5.232	5.093	5.345	5.386	5.240	5.503	5.385	5.376	5.397	5.288	5.553	5.638	
1419421	at	Ank1	NM 031158	Mm.334444	8	11.468	11.734	11.214	11.379	11.711	11.711	11.447	11.591	11.995	11.913	11.113	11.671	11.814	11.542	11.470	11.371	11.162	11.615	11.922	11.637	11.448	11.551	11.393	11.058	11.232
1419422	at	Cybb2	NM 070184	Mm.35109	15	7.938	7.522	7.335	7.322	7.682	7.309	7.587	7.350	7.673	7.359	7.963	7.846	7.714	7.579	7.947	7.969	7.958	7.934	7.969	8.022	7.975	7.613	7.914	7.713	
1419423	at	Slc21a1	NM 138673	Mm.279611	10	7.049	6.892	6.899	6.883	6.767	6.899	7.013	6.951	6.608	6.982	6.707	7.776	6.775	6.967	6.839	7.026	6.991	6.871	7.029	6.957	6.908	6.932	7.047		
1419424	at	Pf11a	NM 018809	Mm.69647	2	6.588	6.324	6.694	6.522	6.642	6.325	6.467	6.505	6.695	6.411	6.556	6.533	6.680	6.732	6.495	6.578	6.603	6.421	6.401	6.869	6.592	6.442	6.616	6.405	
1419425	at	Cnt1	NM 007726	Mm.7992	4	6.657	6.400	6.530	6.646	6.499	6.414	6.742	6.691	6.672	6.613	6.633	6.532	6.802	6.657	6.501	6.660	6.690	6.387	6.579	6.463	6.803	6.679	6.712	6.768	
1419426	s at	Ccl21a	NM 011335	Mm.407493	4	9.007	8.516	8.628	9.303	9.043	9.122	9.319	9.330	8.869	8.855	8.696	9.228	9.117	8.762	8.746	8.499	9.455	8.843	8.471	8.227	9.350	9.991	8.354	8.455	
1419427	at	Csf3	NM 009971	Mm.1238	11	7.826	7.449	7.764	7.898	7.730	7.757	7.956	7.828	7.851	7.656	7.699	7.530	7.756	7.787	7.692	7.811	7.873	7.651	7.764	7.955	7.800	7.787	7.760	7.933	
1419428	a at	Gaa	NM 009064	Mm.4793	11	11.160	10.731	11.116	10.954	11.034	10.796	10.809	10.491	10.524	10.722	10.708	10.167	11.074	10.307	10.820	11.084	11.189	11.083	10.975	10.952	11.177	11.122	10.990	10.977	
1419429	at	Cntfr	NM 016673	Mm.425178	4	7.645	7.219	7.587	7.593	7.730	7.623	7.747	7.427	7.382	7.375	7.449	7.526	7.368	7.534	7.594	7.499	7.517	7.513	7.535	7.621	7.704	7.531	7.717	7.808	
1419430	at	Spa1	NM 010811	Mm.4791	19	7.918	7.522	7.335	7.322	7.682	7.309	7.587	7.350	7.673	7.359	7.963	7.846	7.714	7.579	7.947	7.969	7.958	7.934	7.969	8.022	7.975	7.613	7.914	7.713	
1419431	at	Ereap	NM 007950	Mm.4791	5	6.850	7.697	5.678	5.394	6.253	5.689	5.347	6.044	7.883	7.903	10.250	7.073	6.709	7.015	6.283	5.670	5.099	5.387	5.002	5.093	5.002	5.145	5.213	5.686	
1419432	at	Nm1	NM 009241	Mm.4688	6	4.253	4.368	4.549	4.375	4.201	4.394	4.559	4.159	4.098	4.193	4.311	4.046	4.125	4.202	4.313	4.370	4.203	4.425	4.147	4.321	4.455	4.144	4.220	4.264	
1419433	at	Nth1	NM 008743	Mm.148315	17	6.831	6.963	6.621	6.756	6.671	6.704	6.731	6.719	6.997	6.697	6.530	6.681	6.845	6.857	6.413	6.529	7.010	6.890	6.771	6.455	6.726	6.876	6.587	6.679	
1419434	at	Slc2a10	NM 130451	Mm.34147	2	5.680	5.863	4.666	5.155	5.881	5.288	5.008	5.518	6.592	6.064	5.260	5.730	5.918	6.009	5.355	5.413	5.476	5.345	5.397	5.390	5.208	5.086	4.910	5.196	
1419435	at	Aox1	NM 009676	Mm.26787	1	10.298	9.331	10.556	10.368	10.221	10.234	9.867	9.201	9.123	9.623	8.952	10.131	10.116	9.461	10.088	10.622	10.542	10.423	10.491	10.277	10.296	10.683	10.368	10.710	
1419436	at	Cfhr1	NM 015780	Mm.220362	1	4.355	4.186	4.343	4.260	4.147	4.322	4.312	4.241	4.363	4.312	4.201	4.288	4.101	4.140	4.260										

1419485	at	Foxc1	BB759833	Mm.12949	13	5.043	4.986	5.080	5.003	5.106	4.967	4.873	4.943	5.092	5.131	4.808	5.138	5.092	4.891	5.091	5.158	5.215	4.916	4.987	4.792	5.086	4.904	5.004	4.988	
1419486	at	Foxc1	BB759833	Mm.12949	13	7.657	7.668	7.719	7.669	7.852	8.178	7.499	7.896	7.952	8.232	7.898	8.070	8.012	7.638	7.937	7.721	7.902	7.917	7.965	7.682	7.764	7.659	7.643	7.846	
1419487	at	Mybpb	NM 016749	Mm.379067	1	5.665	5.564	5.762	5.503	5.866	5.665	5.835	5.780	5.544	5.401	5.716	5.627	5.676	5.629	5.805	5.734	5.850	5.827	5.748	5.812	5.843	5.802	5.700	5.771	
1419488	at	Tmnp2	NM 139064	Mm.28615	5	7.463	7.715	7.385	7.614	7.554	7.492	7.390	7.703	7.509	7.871	7.810	7.650	7.698	7.718	7.401	7.392	7.368	7.407	7.395	7.339	7.292	7.450	7.510		
1419489	at	AW049604	BB804965	Mm.244319	15	7.951	7.399	7.182	7.686	7.568	7.770	7.528	7.627	7.472	7.630	7.900	7.621	7.284	7.644	8.039	7.982	7.790	7.780	7.845	7.827	7.883	7.987	7.854		
1419490	at	AW049604	BB804965	Mm.244319	15	7.334	7.123	7.262	7.125	6.956	7.137	7.215	7.353	7.290	7.280	7.523	7.151	7.980	7.045	7.289	7.797	7.663	7.240	7.211	7.404	7.620	7.405	7.051		
1419491	at	Defb1	BC024380	Mm.431316	8	4.889	4.695	4.771	5.025	4.850	4.761	5.084	4.857	5.302	4.760	5.183	4.861	4.994	5.032	4.729	4.734	4.859	4.856	4.716	4.753	4.770	4.963	5.063	4.825	
1419492	s	at	Defb1	BC024380	Mm.431316	8	6.264	5.947	5.943	6.309	6.125	6.112	6.086	6.212	6.016	6.090	6.426	5.836	6.229	6.239	6.031	6.024	6.121	5.897	6.113	6.161	6.169	6.095	6.158	5.952
1419493	a	Tpd52	BC020336	Mm.371590	3	10.591	11.841	10.403	10.348	10.869	10.669	10.638	10.429	11.688	11.646	10.992	10.995	11.098	11.778	10.828	10.455	10.172	10.263	10.723	10.432	10.215	10.176	10.368	10.284	
1419494	a	Tpd52	BC020336	Mm.371590	3	9.171	10.549	8.630	9.063	9.588	9.195	9.138	9.228	10.531	10.203	9.681	9.917	9.796	10.224	9.507	9.033	9.129	9.138	9.236	8.937	8.958	8.887	8.833	8.722	
1419495	at	Impmp2l	NM 053122	Mm.363813	12	9.772	9.319	9.727	9.677	9.506	9.708	9.694	9.599	9.056	9.118	9.559	9.649	9.342	9.323	9.409	9.621	9.857	10.052	9.830	9.789	9.907	9.691	9.538	9.708	
1419496	at	Sloc1ae	NM 023718	Mm.38953	6	5.330	5.144	5.193	5.418	5.404	5.442	5.177	5.390	5.615	5.193	5.512	5.255	5.506	5.475	5.357	5.340	3.955	5.398	5.356	5.493	5.473	5.144	5.321	5.507	
1419497	at	Cdk1nb	NM 009875	Mm.2958	6	6.060	6.053	6.017	6.274	6.167	6.004	5.926	6.265	6.289	6.132	5.770	6.475	6.674	5.934	6.273	6.079	6.757	6.497	6.177	6.345	6.619	6.671	6.044	6.112	
1419498	at	Tmigd1	NM 025655	Mm.25138	11	5.010	4.804	5.234	5.118	5.117	5.276	5.118	5.108	5.230	5.107	4.955	5.371	5.508	5.270	5.292	5.120	5.414	5.288	5.536	5.262	5.154	5.169	5.142	4.982	
1419499	at	Gpam	NM 008149	Mm.210196	19	12.398	12.029	12.366	12.510	12.422	12.703	12.702	12.382	11.959	12.208	12.115	12.290	12.343	12.261	12.473	12.311	12.532	12.590	12.796	12.828	12.456	12.693	12.539	12.596	
1419500	at	Pabpc2	NM 011033	Mm.9493	18	6.853	6.784	6.816	6.822	6.746	6.722	6.798	6.759	6.831	6.567	6.804	6.490	6.558	6.665	6.586	6.761	6.652	6.747	6.900	6.994	6.649	6.467	7.106	6.962	
1419501	at	Polk	BC008105	Mm.89926	13	7.050	6.655	7.244	7.064	7.041	6.902	6.964	6.724	6.899	6.854	6.931	6.923	6.890	7.033	7.008	7.072	6.958	6.532	7.151	7.164	6.865	6.810	7.030	7.049	
1419502	at	Ghdc	NM 031871	Mm.37308	11	8.160	8.670	7.839	8.213	8.091	8.012	7.796	8.234	8.593	8.436	7.936	8.653	8.607	8.250	8.107	8.017	8.164	8.253	8.162	7.895	8.179	8.810	7.856	7.783	
1419503	at	Stc2	AF031035	Mm.32506	11	8.183	7.838	8.041	8.126	8.187	8.155	8.248	8.232	8.033	8.217	8.009	8.676	8.388	7.779	8.346	8.004	8.246	8.229	8.216	8.189	8.334	8.368	8.216	8.319	
1419504	at	Tmoat1	NM 026713	Mm.41325	1	5.286	5.013	4.953	5.171	5.167	5.299	5.082	5.090	5.342	5.057	5.214	4.846	5.013	5.178	5.296	5.245	5.135	5.205	5.413	5.170	5.264	4.860	5.210	5.142	
1419505	a	Gops1	NM 010282	Mm.465375	13	6.902	6.158	7.119	7.093	6.987	7.073	7.102	7.123	6.886	6.942	7.115	7.387	7.198	7.087	7.132	7.116	7.189	7.019	7.302	6.988	7.086	7.076	7.056	6.941	
1419506	at	Gops1	NM 010282	Mm.465375	13	7.510	7.389	7.576	7.494	7.388	7.480	7.663	7.560	7.538	7.515	7.455	7.769	7.607	7.246	7.752	7.501	7.461	7.402	7.489	7.178	7.408	7.554	7.663	7.591	
1419507	at	Krtap15	NM 013713	Mm.86430	16	5.270	4.798	5.266	5.169	4.936	5.188	5.138	5.262	5.010	5.009	5.307	5.145	5.024	5.197	5.234	5.238	5.272	5.150	5.006	5.177	5.525	5.006	5.177	5.153	
1419508	at	Ripk1	AA186144	Mm.374799	13	6.356	6.703	6.339	6.170	6.371	6.474	6.383	6.227	6.450	6.366	6.630	6.267	6.415	6.446	6.377	6.388	6.320	5.885	6.048	6.076	6.356	6.332	6.322	6.436	
1419509	a	Naak	NM 019542	Mm.190650	6	9.336	10.049	9.289	9.478	9.716	9.567	9.610	10.014	10.109	9.859	9.831	9.671	9.163	9.484	9.458	9.398	9.326	9.404	9.365	9.290	9.921	9.904	9.281		
1419510	at	Es22	NM 133660	Mm.63490	8	4.922	4.726	4.918	4.810	4.771	4.947	4.679	4.977	4.859	4.484	4.534	4.724	4.724	4.604	4.801	4.891	4.775	4.918	5.253	4.801	4.965	4.920	4.880	5.074	
1419511	at	Meis9	NM 021226	Mm.372226	3	5.278	5.195	5.114	5.585	5.052	5.305	5.178	5.006	5.472	5.090	5.393	5.107	5.086	5.117	5.097	5.097	5.097	5.097	5.097	5.097	5.097	5.097	5.097	5.097	
1419512	at	Fat4	NM 013786	Mm.259628	15	4.998	4.749	4.792	4.688	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	4.757	4.806	
1419513	a	Act	NM 007900	Mm.261453	3	5.947	8.241	5.568	5.947	6.612	6.090	6.624	7.883	7.807	8.026	7.715	6.143	6.654	6.259	7.051	5.378	5.245	5.454	5.721	5.545	5.571	5.542	5.716	5.689	
1419514	at	Pitx1	NM 011097	Mm.135195	13	5.591	5.814	5.624	5.707	5.609	5.482	5.656	5.917	5.610	5.404	5.705	5.311	5.644	5.568	5.640	5.545	5.582	5.625	5.582	5.644	5.578	5.544	5.578	5.749	
1419515	at	Fgd2	NM 013710	Mm.279187	17	7.453	7.592	7.477	7.526	7.483	7.427	7.681	7.618	7.830	7.753	7.390	7.736	7.604	7.497	7.436	7.490	7.436	7.298	7.193	7.202	7.454	7.357	7.315	7.453	
1419516	at	D0HX59928E	NM 138607	Mm.4370	X	8.858	9.421	8.954	8.931	9.108	9.003	8.795	9.113	9.596	9.424	8.928	9.332	9.153	9.219	9.021	8.795	9.226	9.229	9.033	8.916	9.149	9.303	8.868	8.846	
1419517	at	Cnih3	NM 029408	Mm.338083	1	7.015	6.687	7.027	6.990	6.738	6.860	6.874	6.884	6.634	6.547	6.749	6.870	6.645	6.595	6.635	6.853	6.921	6.823	6.753	6.939	7.105	6.907	6.983	6.903	
1419518	at	Tuba8	NM 017379	Mm.32884	6	12.156	12.064	12.114	11.855	11.220	11.985	12.523	12.282	11.533	11.533	12.125	10.919	10.758	11.443	11.234	11.266	11.948	12.367	11.706	11.939	11.870	11.728	11.451	11.858	
1419519	at	Cml4	NM 025455	Mm.154782	10	8.278	8.050	8.823	7.979	8.933	8.786	8.979	8.907	9.807	9.550	9.212	8.947	7.953	9.953	9.953	8.953	8.953	8.953	8.953	8.953	8.953	8.953	8.953	8.953	
1419520	at	Cml4	NM 025455	Mm.154782	6	7.852	7.571	7.731	7.875	7.679	7.810	7.890	7.677	7.665	7.742	7.700	7.656	7.776	7.610	7.724	7.779	7.743	7.648	7.856	7.838	7.939	7.882	7.887	7.909	
1419521	at	Zfp94	BC005437	Mm.295762	7	5.887	5.920	6.123	6.390	6.483	6.200	5.974	6.179	6.476	6.334	6.282	6.407	6.416	6.249	6.223	6.191	6.417	6.422	6.213	6.273	6.292	6.351	6.267	6.282	
1419522	at	Zmvdn19	NM 026021	Mm.296106	2	8.164	8.261	8.147	8.068	8.051	8.292	8.207	7.959	7.969	8.054	8.343	7.986	8.195	8.455	8.073	8.270	7.890	7.990	8.311	8.179	7.864	7.882	8.095	8.157	
1419523	at	Cyp3a13	NM 007819	Mm.289886	5	4.443	4.396	4.342	4.451	4.282	4.288	4.504	4.431	4.395	4.434	4.357	4.358	4.495	4.542	4.514	4.463	4.579	4.482	4.510	4.650	4.481	4.361	4.493	4.485	
1419524	at	Tph1	NM 009414	Mm.248684	7	5.588	5.579	5.691	5.723	5.608	5.473	5.735	5.449	5.667	5.658	5.697	5.576	5.647	5.649	5.799	5.568	5.887	5.827	5.438	5.654	5.673	5.785	5.330	5.451	5.415
1419525	at	Car5a	NM 007608	Mm.116761	8	5.903	5.742	5.720	5.844	5.711	5.848	5.838	5.693	5.883	5.886	5.863	5.847	5.890	6											

1419574	at	Zfp292	NM 013889	Mm.38193	4	7.077	7.129	7.038	7.056	6.982	7.228	7.150	7.061	6.653	7.119	6.346	7.078	6.963	6.591	6.825	7.130	7.261	7.235	6.970	7.208	7.593	7.257	7.123		
1419575	s at	Zfp292	NM 013889	Mm.38193	4	7.268	7.382	7.592	7.456	7.361	7.590	7.306	7.424	7.353	7.439	6.797	7.427	7.402	7.195	7.313	7.487	7.552	7.712	7.598	7.366	7.489	7.745	7.433	7.345	
1419576	at	Hoxb13	BC013639	Mm.57221	11	6.189	5.982	5.997	6.023	5.880	6.030	5.986	6.101	5.817	5.958	5.984	5.991	5.819	5.943	6.221	6.030	6.318	5.997	6.057	6.007	6.048	6.067	5.961	5.852	
1419577	at	Ftq4	NM 133999	Mm.277242	10	10.888	10.189	10.897	10.654	10.602	10.725	10.648	10.513	10.218	10.648	10.280	10.301	10.508	10.291	10.396	10.441	10.934	11.008	10.796	10.739	10.655	10.643	10.991	10.642	10.639
1419578	at	Rbl1	NM 010775	Mm.281805	14	7.870	7.493	7.787	7.615	7.652	7.706	7.769	7.787	7.587	7.435	7.514	7.572	7.570	7.611	7.501	7.699	7.614	7.893	7.742	7.633	7.740	7.816	7.737	7.785	
1419579	at	Sct7a12	NM 080652	Mm.215250	3	5.222	4.946	5.261	4.927	5.056	5.069	5.033	4.783	4.793	4.741	4.839	4.145	4.603	4.948	4.912	4.741	4.820	4.741	4.897	5.374	4.469	5.172	4.867	4.927	
1419580	at	Dla4	AI646416	Mm.27256	11	5.654	5.584	5.692	5.639	5.712	5.546	5.739	5.433	5.755	5.505	5.813	5.640	5.700	5.721	5.687	5.721	5.571	5.832	5.593	5.789	5.532	5.462	5.645	5.640	
1419581	at	Dla4	AI646416	Mm.27256	11	5.481	5.409	5.341	5.445	5.290	5.288	5.521	5.280	5.292	5.338	5.423	5.411	5.389	5.384	5.245	5.598	5.259	5.304	5.449	5.432	5.258	5.307	5.574	5.372	
1419582	at	Cyp2c55	NM 028089	Mm.142581	19	6.642	6.143	6.712	6.621	6.501	6.535	6.644	6.443	6.344	6.374	6.589	6.187	6.268	6.504	6.601	6.642	6.448	6.595	6.433	6.616	6.820	6.519	6.694	6.664	
1419583	at	Cbx4	NM 007625	Mm.268070	11	9.134	9.527	9.097	8.884	9.111	9.023	9.154	9.237	9.430	9.646	9.440	9.429	9.225	9.088	9.305	9.088	9.023	9.126	8.800	8.952	8.713	8.792	8.768	8.741	
1419584	at	Tt128	AW492543	Mm.295660	5	8.983	9.343	8.673	9.201	9.918	9.355	9.212	9.701	9.620	9.239	9.130	9.743	9.925	9.046	9.204	8.797	9.820	9.661	9.388	9.174	9.680	9.880	9.344	8.873	
1419585	at	Rp2h	BF168611	Mm.288141	X	5.373	6.223	5.239	5.311	5.457	5.463	5.505	5.459	6.212	6.372	5.416	5.182	5.648	5.906	5.821	5.417	5.172	5.131	5.554	5.337	5.341	5.242	5.352	5.341	
1419586	at	Rp2h	BF168611	Mm.288141	X	4.904	4.982	5.037	4.856	4.691	4.725	4.731	4.817	4.968	5.160	4.861	4.901	4.964	5.148	4.899	4.930	4.596	4.695	4.875	4.660	4.497	4.797	4.616	4.897	
1419587	s at	Rp2h	BF168611	Mm.288141	X	4.291	5.125	4.356	4.121	4.827	4.410	4.522	4.585	4.936	5.274	4.351	4.464	4.628	4.700	4.540	4.502	4.436	4.302	4.435	4.446	4.396	4.593	4.800	4.450	
1419588	at	Spaq1	NM 012031	Mm.475669	15	5.666	5.669	5.823	6.210	5.924	5.878	5.959	5.704	5.779	5.879	5.747	6.026	5.779	5.927	5.792	6.151	5.524	5.708	5.764	5.854	5.542	5.698	5.708	5.759	
1419589	at	Cd93	BB039247	Mm.681	2	10.688	11.386	10.536	10.731	11.086	10.631	10.649	11.547	11.201	11.350	11.721	11.231	11.450	11.620	11.293	10.640	10.731	10.699	10.719	10.911	10.613	10.697	10.584	10.324	
1419590	at	Cyp2b9	NM 010000	Mm.14413	7	5.648	5.450	5.484	5.539	5.483	5.526	5.794	5.556	5.501	5.228	5.390	5.626	5.324	5.521	5.687	5.565	5.720	5.484	5.529	5.533	5.579	5.586	5.671	5.706	
1419591	at	Gsdmc1	NM 031378	Mm.335619	15	7.481	6.974	7.374	7.407	7.268	7.174	7.189	7.381	7.120	7.006	7.171	7.196	7.257	7.179	7.198	7.223	7.179	7.035	7.171	7.281	7.563	7.447	7.502	7.389	
1419592	at	Unc5c	NM 009472	Mm.24430	3	5.727	5.638	5.708	5.700	5.824	5.626	5.726	5.682	5.934	5.724	5.771	5.752	5.796	5.775	5.583	5.721	5.755	5.814	5.744	5.867	5.897	5.693	5.653	5.738	
1419593	at	Greb1	NM 015764	Mm.466550	12	4.860	4.590	4.908	4.879	5.179	4.615	4.784	5.043	5.411	5.158	5.011	5.282	5.385	4.777	5.078	4.851	4.647	4.843	4.705	4.529	4.857	4.782	4.885	4.522	
1419594	at	Ctsc	NM 007800	Mm.4858	14	5.823	5.360	5.887	5.568	5.427	5.547	5.836	5.648	5.439	5.568	5.771	5.556	5.545	5.464	5.605	5.755	5.632	5.523	5.533	5.566	5.590	5.469	5.600	5.777	
1419595	a at	Ggh	NM 010281	Mm.20461	4	8.510	9.196	8.382	8.714	9.061	8.774	8.585	9.218	9.378	9.282	8.464	8.996	9.291	8.926	8.798	8.463	8.982	8.715	8.914	8.237	8.812	9.083	8.382	8.335	
1419596	at	Eda	NM 010099	Mm.328086	X	6.796	6.493	6.661	6.704	6.572	6.547	6.688	6.752	6.439	6.633	6.540	6.539	6.482	6.718	6.619	6.661	6.662	6.789	6.631	6.905	6.791	6.659	6.687	6.811	
1419597	at	Eda	NM 010099	Mm.328086	X	7.752	7.132	7.565	7.595	7.527	7.399	7.673	7.559	7.590	7.425	7.584	7.361	7.554	7.587	7.646	7.578	7.411	7.335	7.748	7.658	7.758	7.772	7.692	7.578	
1419598	at	Msa4a6d	NM 026835	Mm.290390	19	7.250	9.305	7.209	6.990	7.478	6.976	7.072	7.556	9.705	8.903	8.585	7.267	7.826	9.387	7.775	7.154	5.991	5.687	6.670	6.530	6.672	7.126	7.694	7.001	
1419599	s at	Msa4a6d	NM 026835	Mm.290390	19	8.997	9.759	7.833	7.427	8.029	7.556	7.444	8.004	10.144	9.517	8.729	7.766	8.558	9.841	8.279	7.773	6.005	6.349	7.338	5.596	6.886	7.459	8.224	7.636	
1419600	at	Kcnk10	AF322631	Mm.386783	7	7.816	6.411	6.402	6.489	6.429	6.424	6.396	6.429	6.432	6.493	6.432	6.493	6.432	6.493	6.432	6.493	6.432	6.493	6.432	6.493	6.432	6.493	6.432	6.493	
1419601	at	Hoxa2	NM 010451	Mm.131	6	4.292	4.294	4.594	4.671	4.308	4.440	4.363	4.564	4.634	4.405	4.503	4.630	4.400	4.488	4.662	4.364	4.583	4.579	4.459	4.544	4.567	4.372	4.445	4.269	
1419602	at	Ifi204	NM 008329	Mm.442561	1	6.622	7.278	6.874	6.815	6.609	6.545	6.883	6.925	6.624	6.445	6.880	6.414	5.995	6.732	6.416	6.651	6.060	6.301	5.821	5.614	6.652	7.411	7.413	7.700	
1419604	at	Zbp1	NM 021394	Mm.116687	2	6.790	6.935	6.899	7.089	6.821	6.969	7.200	6.976	6.973	7.113	7.096	6.984	7.096	7.144	6.998	7.112	7.061	7.285	6.963	7.028	7.120	6.871	6.918	6.920	
1419605	at	Mql1	NM 010796	Mm.252405	11	6.871	7.094	6.858	7.461	6.679	7.197	7.007	6.528	7.175	7.087	6.754	7.082	6.816	7.319	6.918	7.004	7.043	6.750	7.130	6.881	6.950	7.026	6.573	6.920	
1419606	a at	Tnn1	NM 011618	Mm.358643	7	8.989	8.816	8.941	8.453	8.507	9.161	8.836	8.926	8.077	8.267	8.688	8.906	8.332	8.279	8.420	9.046	9.837	9.888	9.736	9.448	9.386	9.805	9.364	8.718	
1419607	at	Tnn1	NM 013693	Mm.1293	17	7.724	7.519	7.557	7.730	7.589	7.483	7.758	7.639	7.315	7.409	7.860	7.479	7.505	7.423	7.778	7.678	7.610	7.551	7.564	7.741	7.682	7.492	7.680	7.635	
1419608	at	Ccr1	NM 013944	Mm.249047	7	6.329	6.446	6.600	6.747	6.736	6.685	6.531	6.437	6.595	6.731	6.351	6.252	6.432	6.499	6.772	6.584	6.624	6.823	6.595	6.926	6.595	6.823	6.595	6.823	
1419609	at	Ccr1	AV231648	Mm.274927	9	7.662	8.855	7.253	7.049	6.915	7.471	7.436	7.361	8.855	8.509	8.205	7.239	7.330	7.850	7.041	7.118	7.188	6.789	6.448	7.119	6.394	6.519	6.724	7.362	7.614
1419610	at	Ccr1	AV231648	Mm.274927	9	4.854	5.315	4.624	4.629	4.290	4.883	4.694	4.365	5.128	5.342	4.724	4.728	4.461	5.237	4.657	4.684	4.388	4.534	4.561	4.543	4.477	4.385	4.279	4.899	
1419611	at	4632415L05Rik	BC023403	Mm.471712	3	7.108	7.162	7.250	7.267	7.352	7.297	7.266	7.032	7.374	7.560	7.076	7.443	7.268	7.029	7.281	7.266	7.164	7.432	7.291	7.271	7.387	7.373	7.269	7.272	
1419612	at	4632415L05Rik	BC023403	Mm.471712	3	7.007	7.562	6.834	7.295	7.568	7.411	7.058	7.549	7.643	7.259	6.629	7.967	7.126	6.797	7.085	6.836	7.951	7.886	7.299	7.276	7.762	7.986	7.700	6.954	
1419613	at	Col7a1	NM 007738	Mm.6200	9	7.894	7.755	7.853	7.884	8.026	7.911	7.860	7.669	8.464	8.146	7.959	8.500	8.108	8.100	7.976	7.787	7.959	7.954	7.940	7.924	7.988	7.811	8.053	7.927	
1419614	at	Plat212b	BC021592	Mm.30268	10	6.900	6.806	6.657	6.738	6.940	6.676	6.912	7.011	6.844	6.710	6.762	6.837	6.814	6.934	6.776	6.726	6.735	6.788	6.692	6.825	6.733	6.651	6.712	6.712	
1419615	at	Tprrv6	NM 030413	Mm.296889	6	7.116	7.005	6.958	6.758	7.057	6.981	7.052	6.886	6.868	7.052	6.886	6.868</													

1419663	at	Oqn	BB542051	Mm.4258	13	10.828	10.975	10.720	11.125	11.637	11.593	11.352	11.261	12.097	12.042	10.573	12.351	12.469	11.062	12.046	10.642	11.704	11.319	11.380	11.556	11.805	11.191	11.358	
1419664	at	Srr	BC011164	Mm.131443	11	5.228	5.728	5.395	5.376	5.554	5.155	5.122	5.589	5.431	5.342	5.416	5.763	5.626	5.430	5.220	5.199	5.372	5.294	5.121	5.278	5.532	5.243	5.293	
1419665	a at	Nupr1	NM 019738	Mm.18742	7	6.568	7.715	6.128	6.546	7.767	7.495	6.365	7.887	8.592	8.368	7.835	9.026	8.826	7.611	8.099	6.304	6.608	6.804	6.581	5.393	6.769	6.964	6.184	5.606
1419666	x at	Nupr1	NM 019738	Mm.18742	7	8.251	8.732	8.071	8.191	8.846	8.726	8.035	9.045	9.542	9.452	9.200	9.469	9.871	8.759	9.223	7.885	8.157	8.282	8.255	7.674	8.513	8.552	7.917	7.826
1419667	at	Sgcb	AK014381	Mm.89310	5	10.432	10.645	10.725	10.536	10.632	10.612	10.603	10.201	10.379	10.748	10.385	10.524	10.438	10.480	10.572	10.737	10.352	10.459	10.679	10.570	10.322	10.318	10.568	10.718
1419668	at	Sgcb	AK014381	Mm.89310	5	10.981	10.680	11.085	10.898	10.936	10.910	10.945	10.921	10.710	11.007	10.756	10.994	10.948	10.747	10.974	11.115	10.877	10.738	10.867	10.956	10.924	11.059	10.981	10.816
1419669	at	Prtm3	U97073	Mm.2364	10	8.223	8.032	7.974	8.162	8.083	7.888	8.162	8.189	8.358	8.073	7.934	7.952	7.938	8.219	8.039	8.231	8.097	8.196	7.985	8.059	8.259	8.053	8.052	8.207
1419670	at	Ftcd	NM 080845	Mm.36278	10	7.228	6.834	6.925	6.999	6.897	6.921	6.880	7.165	6.856	6.825	7.044	7.043	7.015	7.114	7.015	7.044	7.133	6.968	6.953	6.981	7.182	6.956	6.962	6.967
1419671	a at	Il17rc	NM 134159	Mm.213397	6	8.768	9.361	8.459	8.628	8.947	8.529	8.692	9.289	9.519	9.162	9.038	9.178	9.270	8.942	8.799	8.381	8.897	8.841	8.711	8.519	8.838	9.048	8.568	8.459
1419672	at	Spock1	BB308491	Mm.379020	13	5.010	4.848	5.110	5.278	5.118	5.016	5.097	5.078	5.020	4.928	5.083	4.945	5.023	5.085	5.019	4.986	4.998	4.803	5.085	5.172	4.918	4.928	5.192	5.079
1419673	at	Spock1	BB308491	Mm.379020	13	6.539	6.322	6.549	6.519	6.555	6.438	6.507	6.464	6.484	6.454	6.561	6.248	6.510	6.536	6.572	6.410	6.361	6.575	6.521	6.536	6.704	6.381	6.579	6.573
1419674	a at	Dpep1	NM 007876	Mm.20388	8	9.390	9.134	9.337	9.790	9.456	9.514	9.264	9.362	9.429	9.884	9.256	9.817	9.511	9.427	10.101	9.357	9.821	9.673	9.969	9.747	9.959	9.882	9.715	10.082
1419675	at	Nof	NM 013609	Mm.1259	3	7.162	6.906	7.021	6.934	6.800	6.979	6.944	7.031	6.984	6.855	7.774	6.852	7.043	7.034	6.739	6.990	7.213	7.046	6.913	7.012	7.197	6.720	6.998	6.908
1419676	at	Mx2	BC007127	Mm.14157	16	7.770	7.736	7.677	7.835	7.760	7.724	7.916	7.766	7.832	7.732	7.868	7.806	7.755	7.672	7.698	7.744	7.743	7.708	7.766	7.662	7.748	7.553	7.896	7.843
1419677	at	Masp1	NM 008555	Mm.1213	16	6.726	6.568	6.564	6.470	6.577	6.412	6.591	6.516	6.698	6.541	6.422	6.503	6.743	6.567	6.573	6.387	6.503	6.592	6.680	6.564	6.640	6.460	6.525	6.421
1419678	at	Lats2	BE986745	Mm.347899	14	7.335	7.066	6.995	7.135	7.067	7.070	6.941	7.330	6.961	7.027	7.227	7.007	7.011	7.105	7.130	7.047	7.239	6.964	6.893	7.246	7.043	6.990	7.046	7.076
1419679	at	Lats2	BE986745	Mm.347899	14	4.910	4.698	4.923	4.566	4.681	4.760	4.772	4.752	4.547	4.606	4.513	4.704	4.711	4.488	4.981	4.622	4.908	4.812	4.850	5.030	4.778	4.789	4.630	4.725
1419680	a at	Elac2	NM 023479	Mm.157711	11	8.398	8.569	8.529	8.617	8.503	8.444	8.309	8.478	8.562	8.475	8.567	8.591	8.476	8.640	8.428	8.535	8.442	8.516	8.618	8.513	8.464	8.256	8.407	8.627
1419681	a at	Prok2	NM 015768	Mm.87365	6	5.300	5.285	5.649	5.474	5.247	5.241	5.391	5.288	5.528	5.272	5.427	5.260	5.204	5.327	5.333	5.356	5.304	5.052	5.402	5.446	5.323	5.227	5.274	5.375
1419682	a at	Trp53rk	BB400773	Mm.330796	2	6.658	7.022	6.716	6.828	6.497	6.810	6.902	6.526	6.717	6.656	6.762	6.809	6.515	6.743	6.660	6.830	7.058	6.744	6.639	6.783	6.948	6.728	6.906	6.761
1419683	at	Trp53rk	NM 025921	Mm.330796	2	5.961	5.750	5.924	5.921	5.244	5.940	5.968	5.924	5.793	5.582	5.984	5.819	5.735	6.158	5.879	5.920	5.984	6.217	5.949	6.026	5.967	5.816	5.998	5.826
1419684	at	Ccl18	NM 021443	Mm.42029	11	8.948	9.768	8.660	9.164	9.261	9.392	10.089	9.086	10.118	9.760	9.689	9.430	9.017	9.668	9.110	8.279	7.363	7.822	8.491	7.985	8.355	8.790	8.097	8.346
1419685	at	Upf1	NM 030680	Mm.390048	8	7.086	7.675	7.072	7.656	7.642	7.164	7.151	7.528	7.436	7.370	7.166	7.678	7.563	7.428	7.096	7.277	7.550	7.549	7.133	7.108	7.637	7.659	7.920	7.172
1419686	at	Tsaa14	NM 031998	Mm.65389	6	6.785	6.763	6.337	6.671	6.467	6.456	6.455	6.464	6.799	6.746	6.644	6.461	6.627	6.852	6.431	6.414	6.400	6.618	6.352	6.464	6.350	5.566	6.523	6.563
1419687	at	Macro1	NM 134147	Mm.439977	19	12.726	12.765	12.641	12.776	12.358	12.700	12.718	12.582	11.767	11.979	12.515	12.364	12.114	12.152	12.368	12.613	13.075	12.876	12.715	12.722	12.722	12.854	12.688	12.560
1419688	at	Gpc6	BC023448	Mm.400275	14	6.884	7.334	6.769	6.942	7.158	7.022	6.857	7.432	7.475	7.305	7.097	7.825	7.813	7.203	7.217	6.926	6.753	6.729	6.828	6.900	6.753	6.680	6.879	6.522
1419689	at	Gpc3448	BC023448	Mm.400275	14	7.937	8.095	7.877	8.071	8.341	8.204	8.155	8.520	8.549	8.381	8.163	8.549	8.191	8.307	8.081	8.088	7.916	7.944	7.954	7.916	7.944	7.916	7.916	7.916
1419690	at	120002M06Rik	NM 025921	Mm.400275	X	7.197	7.517	7.363	7.024	7.277	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290
1419691	at	Camp	NM 009921	Mm.3834	9	7.283	7.169	7.255	7.103	7.130	7.208	7.074	7.126	7.115	7.091	7.634	7.372	7.049	7.208	7.133	7.272	6.907	7.126	6.867	6.924	7.028	7.410	6.895	7.319
1419692	a at	Ltcd4	NM 008521	Mm.245151	11	7.557	7.669	7.827	8.020	7.712	7.797	7.649	7.797	7.738	7.777	7.899	7.584	7.619	7.615	7.520	7.608	7.782	7.703	7.616	7.684	7.743	7.830	7.501	7.704
1419693	at	Colec12	NM 130449	Mm.218571	18	5.612	6.245	6.072	6.415	6.643	6.137	6.175	6.539	6.933	6.987	6.150	6.271	6.224	6.602	6.545	6.082	6.036	6.140	5.935	5.398	6.089	6.352	5.716	5.768
1419694	at	St8sia1	NM 011374	Mm.260838	6	5.924	5.693	5.805	5.733	5.566	5.867	5.730	5.953	5.902	5.757	5.968	5.639	5.879	5.937	5.697	5.777	5.641	5.700	5.816	5.817	5.836	5.565	5.976	5.882
1419695	at	St8sia1	NM 011374	Mm.260838	6	5.630	5.087	5.412	5.268	5.248	5.121	5.325	6.120	4.914	5.158	5.737	5.043	5.233	4.959	5.427	5.552	5.153	4.994	5.106	5.248	5.290	5.025	5.421	5.513
1419696	at	Cd4	NM 013488	Mm.2209	6	7.642	7.409	7.543	7.618	7.393	7.573	7.619	7.588	7.503	7.587	7.551	7.323	7.428	7.465	7.508	7.568	7.477	7.604	7.623	7.723	7.482	7.386	7.635	7.443
1419697	at	Cxcl1	NM 010949	Mm.38567	5	6.780	6.503	6.627	6.370	6.499	6.612	6.625	6.703	6.587	6.598	6.518	6.585	6.593	6.592	6.592	6.592	6.592	6.592	6.592	6.592	6.592	6.592	6.592	6.592
1419698	at	Cxcl11	NM 019494	Mm.131723	5	4.580	4.534	4.785	4.809	4.719	4.739	4.927	4.691	4.788	4.675	4.765	4.599	4.727	4.521	4.832	4.679	4.641	4.754	4.705	4.605	4.593	4.679	4.800	4.708
1419699	at	Scab3a1	NM 054037	Mm.22802	11	8.331	7.976	8.154	8.273	8.065	7.986	8.261	7.943	8.016	8.122	7.943	7.947	8.141	8.219	7.922	8.333	8.002	8.023	8.392	8.067	8.034	8.161	8.077	8.195
1419700	a at	Prom1	NM 008935	Mm.6250	5	6.679	6.173	6.523	6.621	6.462	6.510	6.346	6.529	6.273	6.378	6.400	6.502	6.754	6.535	6.799	6.293	6.609	6.350	7.004	6.471	7.042	7.090	7.505	7.251
1419701	s at	Ank3	NM 028301	Mm.290628	16	7.993	8.321	7.990	8.140	8.153	8.165	8.103	8.333	8.341	8.156	8.016	8.466	8.457	8.055	8.225	8.140	8.448	8.520	8.317	8.243	8.474	8.647	8.147	8.162
1419702	at	Taf1a	NM 021466	Mm.383556	1	8.872	8.593	9.381	9.322	9.120	9.168	8.999	8.737	8.371	8.592	8.512	8.941	8.908	8.384	9.025	9.167	9.475	9.423	9.230	9.397	9.269	9.400	9.478	9.346
1419703	at	Cof5a3	NM 016919	Mm.334494	9	8.136	9.432	8.228	8.072	9.069	8.061	8.040	8.651	9.613	9.341	9.243	9.07												

1419752	at	Nfx1	AK013866	Mm.247456	4	8.438	8.279	8.315	8.350	8.480	8.316	8.369	8.303	8.313	8.320	8.261	8.383	8.475	8.401	8.347	8.554	8.348	8.192	8.501	8.379	8.399	8.144	8.433	8.435
1419753	at	Nfx1	AK013866	Mm.247456	4	7.738	7.889	7.970	7.941	8.062	8.124	7.980	7.552	7.837	8.145	7.773	8.085	7.843	7.877	8.024	7.909	7.612	7.954	7.939	7.922	7.727	7.661	7.981	7.758
1419754	at	Mvfo5a	NM 010864	Mm.3645	9	6.328	7.717	6.073	6.175	6.759	6.524	6.573	6.765	6.074	7.747	6.849	6.601	6.959	8.114	6.727	5.892	5.790	6.188	6.439	5.999	5.779	6.126	5.911	5.730
1419755	at	Mfn	NM 013900	Mm.30988	16	6.130	5.847	5.996	6.254	5.858	5.828	6.104	5.976	6.047	5.890	6.011	5.862	5.638	5.933	5.893	6.092	6.025	5.917	5.971	5.938	6.041	5.897	5.948	5.811
1419756	at	Dqk1	NM 138050	Mm.194986	16	4.352	4.744	4.787	5.048	4.760	4.789	5.024	4.885	4.757	4.780	4.801	4.855	4.884	4.870	4.836	4.816	4.880	4.866	4.744	4.787	4.688	4.728	4.810	4.740
1419757	at	Ptpnm2	NM 011256	Mm.44261	5	8.958	8.657	8.799	8.869	9.055	8.651	8.836	8.285	8.619	8.805	8.801	8.912	8.901	8.613	8.729	8.929	9.207	8.917	8.858	8.875	9.227	9.071	9.018	8.844
1419758	at	Abcb1a	M30697	Mm.207354	5	7.518	7.467	8.237	8.011	7.636	7.837	7.512	7.983	7.479	7.689	7.323	7.919	7.507	7.656	7.669	8.214	8.090	8.055	8.026	7.806	7.712	8.132	7.944	7.795
1419759	at	Abcb1a	M30697	Mm.207354	5	9.124	8.758	9.618	9.177	8.946	9.210	8.931	9.112	8.547	8.714	8.469	8.894	8.886	8.780	8.875	9.517	9.720	9.500	9.344	9.054	9.214	9.573	9.110	9.079
1419760	a at	Rwd2b1	NM 016924	Mm.162406	16	8.852	9.351	8.761	8.828	9.043	8.863	8.822	9.095	8.938	8.871	8.763	8.979	8.983	9.061	8.919	8.889	9.044	9.038	8.941	8.927	8.817	9.043	8.885	8.719
1419761	a at	Gabbp1	NM 010249	Mm.293266	2	6.248	6.812	6.476	6.442	6.346	6.270	6.370	6.525	6.739	6.612	6.977	6.173	6.470	6.761	6.582	6.299	6.380	6.178	6.455	6.303	6.118	6.039	6.415	6.630
1419762	at	Ubb2	NM 021337	Mm.140210	17	6.702	6.298	6.499	6.635	6.422	6.608	6.528	6.590	6.502	6.404	6.511	6.507	6.473	6.484	6.505	6.641	6.516	6.387	6.355	6.497	6.522	6.402	6.374	6.614
1419763	at	Nkap	NM 026397	Mm.55422	X	4.121	4.611	3.977	4.059	4.006	4.006	4.064	4.610	4.404	4.115	4.073	4.288	4.084	4.223	4.160	4.061	4.254	3.937	3.774	3.929	4.280	4.338	4.188	3.922
1419764	at	Chl3l3	NM 009892	Mm.387173	3	9.088	10.210	8.470	7.143	6.496	6.720	6.728	5.795	8.185	7.800	9.275	6.600	6.180	7.927	6.284	8.096	5.751	5.880	5.989	5.784	5.00	6.696	6.038	7.401
1419765	at	Cul2	NM 029402	Mm.291707	18	7.141	7.068	7.143	7.155	7.306	6.946	6.998	7.229	6.997	7.086	7.231	7.298	7.227	7.100	7.196	7.253	7.313	7.200	7.378	7.219	7.132	7.278	6.986	7.215
1419766	at	Snf1lk	NM 010831	Mm.290941	17	8.716	8.020	8.167	7.959	7.546	7.783	7.809	7.718	7.585	7.664	8.504	7.605	7.574	7.540	7.813	8.325	7.389	7.281	7.666	7.168	7.560	7.514	8.579	7.913
1419767	at	Padi3	NM 011060	Mm.20851	4	6.608	6.206	6.494	6.378	6.138	6.154	6.405	6.374	6.230	6.060	6.549	6.158	6.205	6.259	6.010	6.106	6.323	6.312	6.290	6.571	6.292	6.312	6.221	6.568
1419768	at	Cd22	AF102134	Mm.260994	7	7.565	7.363	7.448	7.440	7.447	7.570	7.578	7.245	7.560	7.308	7.350	7.455	7.579	7.487	7.447	7.476	7.493	7.447	7.371	7.572	7.564	7.423	7.500	7.486
1419769	at	Cd22	AF102134	Mm.260994	7	5.046	4.634	4.613	4.658	4.827	4.699	4.551	4.714	4.710	4.666	4.597	4.545	4.563	4.673	4.694	4.659	4.571	4.507	4.931	4.781	4.580	4.637	4.661	4.689
1419770	at	NA	AA177484	NA	NA	5.253	4.896	4.865	5.035	4.907	5.052	5.035	5.097	5.044	4.935	5.096	5.028	5.158	5.084	4.953	4.922	5.065	4.925	5.034	5.051	5.228	5.054	5.050	4.828
1419771	at	NA	A1592745	NA	NA	5.406	5.322	5.462	5.368	5.132	5.445	5.395	5.343	5.468	5.493	5.415	5.077	5.108	5.417	5.483	5.233	5.270	5.219	5.311	5.465	5.234	5.190	5.639	5.399
1419772	at	NA	AA185333	NA	NA	4.280	4.142	4.303	4.202	4.409	3.940	4.212	4.041	4.202	4.141	4.443	4.160	4.255	4.191	4.027	4.276	4.195	4.164	4.380	4.158	4.378	4.489	4.318	4.288
1419773	at	2010301N04Rik	B8080387	Mm.31770	6	4.378	4.388	4.361	4.427	4.478	4.489	4.528	4.432	4.458	4.362	4.271	4.293	4.464	4.456	4.451	4.327	4.655	4.594	4.710	4.435	4.390	4.573	4.399	4.508
1419774	at	D2ErtD239e	C79214	NA	2	4.777	4.416	4.788	4.828	4.682	4.718	4.758	4.780	4.856	4.653	4.716	4.536	4.646	4.863	4.901	4.619	4.798	4.793	4.705	4.815	5.061	4.800	4.783	4.861
1419775	at	NA	C76510	NA	NA	5.346	4.896	5.084	5.179	5.000	5.178	5.464	5.019	5.050	5.021	5.276	5.071	5.176	5.248	5.164	5.318	5.145	5.190	5.173	5.593	5.136	5.105	5.297	5.229
1419776	at	NA	C79862	NA	NA	6.177	6.227	6.076	6.259	6.106	6.233	6.246	6.295	6.299	5.942	6.268	5.992	6.346	6.285	6.366	6.133	5.990	5.984	6.295	6.441	6.096	6.242	6.178	6.142
1419777	at	NA	AA516600	NA	NA	6.173	6.046	6.196	6.246	6.195	6.119	6.097	6.272	6.263	6.097	6.165	5.860	6.163	6.226	6.259	6.127	6.095	6.162	6.312	6.325	6.026	6.122	6.062	6.030
1419778	at	NA	AA517021	NA	NA	5.534	5.304	5.391	5.261	5.534	5.177	5.461	5.437	5.390	5.133	5.582	5.534	5.337	5.582	5.420	5.383	5.885	5.438	5.885	5.433	5.885	5.433	5.885	5.433
1419779	at	NA	AA516829	NA	NA	5.027	4.717	4.794	4.985	5.211	4.719	4.834	4.959	4.854	4.959	4.854	4.959	4.854	4.959	4.854	4.959	4.854	4.959	4.854	4.959	4.854	4.959	4.854	4.959
1419780	at	NA	C79832	NA	NA	6.643	6.610	6.717	6.655	6.739	6.552	6.718	6.661	6.605	6.413	6.514	6.560	6.596	6.646	6.422	6.457	6.794	6.615	6.613	6.896	6.574	6.701	6.537	6.610
1419781	at	D630004N19Rik	A1843924	Mm.74629	7	6.648	6.583	6.515	6.698	6.674	6.634	6.542	6.690	6.818	6.699	6.775	6.659	6.728	6.600	6.643	6.648	6.778	6.522	6.635	6.721	6.704	6.673	6.676	6.578
1419782	at	AA517864	AA517864	NA	5	4.951	4.739	4.805	4.984	4.773	4.901	4.864	4.854	4.499	4.557	4.785	4.825	4.643	4.693	4.910	4.999	4.862	4.638	4.683	4.859	4.790	4.562	4.782	5.020
1419783	at	NA	AV259294	NA	NA	4.681	4.265	4.755	4.608	4.616	4.528	4.692	4.423	4.505	4.429	4.485	4.554	4.511	4.550	4.596	4.866	4.689	4.547	4.835	4.908	4.612	4.657	4.592	4.759
1419784	x at	NA	AV259294	NA	NA	6.127	5.493	5.958	5.876	5.515	5.953	5.683	5.844	5.695	5.622	5.993	6.007	5.864	5.891	5.826	6.263	5.971	6.145	5.979	6.002	6.011	5.747	5.875	5.902
1419785	at	AA516738	AA517724	NA	5	6.022	5.484	5.924	5.843	5.788	5.950	6.009	6.025	5.892	5.493	6.066	5.676	5.712	6.070	5.889	5.965	6.085	6.054	5.804	6.098	5.824	5.907	5.893	5.979
1419786	at	NA	A1131660	Mm.269747	17	9.105	8.772	9.029	8.938	8.923	8.945	8.999	8.925	8.778	8.870	8.870	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925	8.925
1419787	a at	Zlf628	A1608468	Mm.27442	7	8.672	8.371	8.431	8.468	8.473	8.382	8.497	8.582	8.466	8.323	8.462	8.493	8.496	8.505	8.534	8.576	8.590	8.583	8.516	8.509	8.585	8.585	8.585	8.585
1419788	at	NA	A1413389	NA	NA	5.233	5.888	5.270	5.452	5.394	5.467	5.454	5.473	5.431	5.420	5.566	5.115	5.463	5.379	5.257	5.536	5.387	5.309	5.465	5.482	5.507	5.211	5.384	5.366
1419789	at	Centp1	A1605509	Mm.336761	10	6.821	6.741	7.051	6.943	6.827	6.724	6.835	6.749	6.672	6.733	6.713	6.821	6.854	6.828	6.748	6.852	6.820	6.809	6.779	6.938	6.888	6.886	7.001	6.838
1419790	at	LOC1001048336	A1530483	NA	9	5.556	5.046	5.305	5.428	5.008	5.192	5.254	5.273	5.203	5.141	5.325	5.024	5.299	5.110	5.273	5.225	5.389	5.159	5.284	5.361	5.288	5.111	5.357	5.274
1419791	at	Zhx3	AA881623	Mm.44463	2	7.702	6.088	6.586	6.652	6.603	6.277	6.345	6.631	6.438	6.642	6.492	6.298	6.362	6.476	6.205	6.266	6.340	6.441	6.326	6.682	6.448	6.379	6.558	6.476
1419792	at	Kif20b	A1661196	Mm.278471	19	3.793	3.819	3.756	3.803	3.782	3.849	3.817	3.791	3.782	3.782	3.703	3.788	3.697	3.761	3.836	3.776	3.883	3.773	3.788	3.771	3.679	3.732	3.890	3.816
1419793	at	D5ErtD615e	A1608468	NA	5	6.908	6.613																						

1419842	at	NA	AA164101	NA	NA	6.069	5.728	6.089	6.091	6.037	6.052	6.051	5.878	6.032	5.831	5.927	5.921	6.115	5.963	6.130	6.134	5.978	6.211	6.270	6.177	6.047	6.025	6.182		
1419843	at	NA	AA189517	NA	NA	5.648	5.497	5.336	5.630	5.480	5.496	5.475	5.822	5.428	5.532	5.858	5.509	5.568	5.688	5.597	5.538	5.707	5.418	5.547	5.574	5.818	5.761	5.600	5.712	
1419844	a at	LOC545086	BE627741	Mm.463166		15	5.100	4.710	4.754	4.819	4.452	4.727	4.834	4.756	4.841	4.796	4.767	4.781	4.799	4.489	4.652	4.777	5.025	4.779	4.757	4.801	5.143	4.469	4.939	
1419845	at	Dix1as	A1325350	Mm.4543		2	4.155	4.150	4.139	4.094	4.089	4.127	4.334	4.105	4.125	3.964	4.200	4.026	3.999	4.091	4.199	4.278	4.778	4.303	4.196	4.272	4.226	4.407	4.265	
1419846	at	NA	AI627121	NA	NA	6.301	6.018	6.283	6.181	6.265	6.276	6.200	6.440	6.294	6.110	6.397	6.164	6.254	6.157	6.160	6.209	6.241	6.405	6.110	6.362	6.169	6.178	6.278	6.170	
1419847	at	NA	AA217469	NA	NA	5.136	4.841	5.233	5.122	5.051	5.033	5.299	5.115	5.084	5.131	5.170	5.344	5.179	5.043	4.916	5.189	5.155	5.161	5.196	5.439	5.087	5.233	4.949	5.195	
1419848	x at	Tlr7	AI604175	Mm.23979	X	5	5.068	4.961	5.131	5.090	5.071	5.004	5.038	5.050	5.130	4.885	4.481	5.035	4.948	5.075	5.086	5.036	5.086	5.115	4.942	5.167	5.088	5.079	4.944	
1419849	at	NA	AI447945	NA	NA	7.818	7.532	7.625	7.779	7.430	7.941	7.656	7.765	7.720	7.511	7.659	7.619	7.609	7.584	7.447	7.615	7.378	7.627	7.720	7.658	7.646	7.511	7.766	7.659	
1419851	at	Slc4a8	W13854	Mm.209856		15	4.905	4.619	4.908	4.787	4.774	5.014	4.939	4.729	4.811	4.730	4.484	4.747	4.778	4.882	4.659	4.799	4.829	4.853	4.818	5.011	4.731	4.812	4.875	4.737
1419853	a at	P2rx7	AI552982	Mm.42026		5	4.829	5.455	4.753	5.071	5.508	5.253	5.249	5.003	6.503	6.757	5.217	5.602	5.464	5.947	5.697	5.172	4.979	5.046	5.149	4.917	4.962	4.943	4.814	
1419857	at	NA	AA254866	NA	NA	4.379	4.139	4.256	4.216	4.091	4.119	4.080	4.101	4.087	4.142	4.208	4.228	4.153	4.058	4.097	4.203	4.263	4.283	4.017	4.269	4.424	4.366	4.210	4.118	
1419858	at	NA	AA203006	NA	NA	6.094	5.853	6.018	6.361	5.932	5.956	6.023	6.050	5.971	5.606	5.871	5.869	5.933	5.779	5.879	5.995	6.347	6.125	5.974	5.901	6.278	6.528	6.246	5.957	
1419859	at	NA	AI662793	NA	NA	3.953	3.987	4.114	3.960	3.939	4.012	3.974	4.045	3.964	3.913	4.072	3.998	3.938	3.953	3.927	4.078	3.931	4.141	4.139	3.925	3.900	3.896	3.933	4.178	
1419861	at	NA	AA672901	NA	NA	3.609	3.584	3.555	3.556	3.511	3.453	3.589	3.535	3.480	3.552	3.653	3.568	3.566	3.696	3.341	3.491	3.581	3.609	3.641	3.549	3.672	3.451	3.554	3.765	
1419863	at	NA	AI661894	NA	NA	6.903	6.487	6.967	6.780	6.592	6.885	6.906	6.622	6.573	6.515	6.814	6.423	6.613	6.684	6.687	6.922	6.868	6.869	6.996	7.120	6.890	6.813	7.163	6.924	
1419864	x at	Tnpo1	AA119213	Mm.173286		13	7.165	6.931	7.162	7.141	6.978	7.269	7.293	7.081	7.069	7.172	7.254	7.168	7.028	7.044	7.457	7.342	7.254	7.425	7.337	7.326	7.319	7.247	7.142	
1419866	s at	Atxn2	AW544490	Mm.260900		5	9.205	9.631	9.709	9.813	9.589	9.535	9.473	9.496	9.175	9.377	9.074	9.424	9.378	9.034	9.257	9.623	9.658	9.490	9.394	9.346	9.497	9.411	9.455	
1419867	a at	Ankhd1	BF168124	Mm.24790		18	9.207	9.366	9.250	9.239	9.106	9.157	9.091	9.246	9.055	9.153	8.790	9.180	9.078	9.012	9.011	9.263	9.370	9.157	9.167	9.130	9.216	9.546	9.250	
1419869	s at	Hdbb	AI118566	Mm.30012		1	12.342	11.709	12.498	12.551	12.160	12.473	12.158	11.514	11.532	11.742	11.716	11.840	11.818	11.700	12.016	12.593	12.116	12.116	12.223	12.443	12.084	12.105	12.402	
1419871	at	Ppp2r1b	AI505185	Mm.7726		9	6.683	6.498	6.710	6.675	6.647	6.600	6.796	6.668	6.506	6.446	6.659	6.571	6.542	6.611	6.326	6.729	6.449	6.474	6.499	6.932	6.743	6.566	6.667	
1419872	at	NA	AI323359	Mm.22574		18	11.465	12.445	11.453	11.984	12.435	12.046	11.963	11.734	13.090	12.711	11.872	12.476	12.469	12.580	12.226	11.461	11.698	11.546	11.532	11.398	11.686	11.932	11.248	
1419873	s at	Csf1r	AI323359	Mm.22574		18	10.268	11.292	10.145	10.742	11.104	10.738	10.694	10.387	11.755	11.381	10.656	11.015	11.085	11.248	10.781	10.214	10.381	10.212	10.349	10.097	10.439	10.486	10.108	
1419874	x at	Zbtb16	AA419994	Mm.457803		9	9.610	8.937	9.482	8.917	9.290	8.906	8.830	9.762	8.884	8.120	8.856	9.088	8.959	8.676	9.764	9.455	7.985	7.829	7.487	7.649	10.394	10.770		
1419875	at	NA	AA145988	NA	NA	3.617	3.586	3.526	3.633	3.724	3.684	3.542	3.655	3.831	3.716	3.675	3.547	3.659	3.692	3.653	3.779	3.695	3.655	3.802	3.629	3.539	3.635	3.584		
1419876	at	ZB10449G22Rik	AI644422	Mm.392577		1	7.902	7.645	7.726	7.837	7.690	7.763	8.019	7.815	7.871	7.898	7.666	7.882	7.802	7.559	7.812	7.981	7.800	7.784	7.982	8.088	7.785	7.746		
1419877	x at	NA	AI644422	NA	NA	7.899	7.839	7.721	7.767	7.780	7.598	7.944	7.781	7.839	7.801	7.748	7.727	7.897	7.739	7.650	7.814	7.940	7.850	7.754	7.901	7.875	7.563	7.960		
1419878	at	Trim25	AI106518	Mm.248445		11	10.456	10.368	10.440	10.370	10.405	10.460	10.790	10.808	10.740	10.808	10.790	10.808	10.740	10.808	10.790	10.808	10.790	10.808	10.790	10.808	10.790	10.808	10.790	
1419880	x at	NA	AA204020	NA	NA	10.626	10.502	10.440	10.547	10.313	10.383	10.578	10.228	10.187	10.209	10.368	10.095	10.209	10.273	10.440	10.593	10.413	10.254	10.434	10.701	10.508	10.168	10.661		
1419881	x at	NA	AI837271	NA	NA	4.182	4.236	4.301	4.335	4.192	4.347	4.385	4.278	4.367	4.018	4.300	4.256	4.615	4.181	4.198	4.273	4.207	4.310	4.200	4.296	4.384	4.417	4.546		
1419882	at	NA	AA116459	NA	NA	6.199	5.934	6.258	6.097	6.089	5.963	6.210	5.998	5.916	6.010	6.073	6.096	6.120	6.151	6.190	6.331	6.074	6.154	6.141	6.365	6.241	6.049	6.307		
1419883	s at	Atp6v1b2	AI790362	Mm.249096		8	8.371	8.697	8.964	8.409	8.087	8.433	8.283	7.705	8.110	8.534	8.331	7.832	7.715	8.292	8.409	9.029	6.949	7.998	8.285	8.141	7.481	7.392		
1419884	at	NA	BF658463	NA	NA	5.838	5.715	5.861	5.905	5.813	5.918	6.036	5.722	5.695	5.755	5.886	5.615	5.802	6.072	5.940	5.723	5.863	5.902	6.103	6.049	5.813	5.778	5.877		
1419885	at	DXErd223e	BO079602	Mm.441753	X	6.637	6.347	6.615	6.868	6.616	6.368	6.530	6.617	6.603	6.343	6.577	6.558	6.623	6.608	6.398	6.617	6.533	6.395	6.544	6.619	6.559	6.380	6.705		
1419886	at	DXErd223e	BO079602	Mm.441753	X	6.912	6.516	6.821	6.888	6.646	6.750	6.911	6.727	6.537	6.592	6.636	6.600	6.814	6.747	6.784	6.962	6.480	6.567	6.565	6.749	6.762	6.684	6.834		
1419887	at	NA	AA547065	Mm.62224	NA	5	4.265	4.354	4.275	4.311	4.140	4.410	4.433	4.963	4.616	4.594	4.471	4.965	4.232	4.465	4.325	4.458	4.764	4.438	4.764	4.438	4.764	4.438		
1419888	at	NA	BB175647	NA	NA	7.026	6.933	6.970	6.961	6.952	7.055	7.182	7.104	7.138	6.837	6.935	6.952	7.006	6.937	6.932	6.971	6.939	6.999	6.990	6.916	7.062	7.126	7.023		
1419889	at	NA	BB175647	NA	NA	4.359	4.220	4.278	4.491	4.360	4.034	4.349	4.301	4.338	4.167	4.386	4.279	4.555	4.479	4.183	4.112	4.324	4.424	4.197	4.503	4.434	4.549	4.424		
1419890	at	NA	BE633750	NA	NA	5.277	4.957	5.140	5.099	5.078	5.239	5.218	4.953	4.934	4.914	5.179	5.134	5.193	5.229	5.202	5.132	5.055	5.178	5.280	5.478	5.133	5.066	5.154		
1419891	s at	C77545	BO065957	NA		19	5.592	5.079	5.499	5.585	5.417	5.441	5.281	5.217	5.385	5.327	5.575	5.355	5.282	5.421	5.370	5.515	5.359	5.408	5.261	5.580	5.328	5.286		
1419892	at	1110021J02Rik	BB604994	Mm.390979		17	7.794	7.277	7.689	7.750	7.647	7.246	7.654	7.519	7.730	7.588	7.738	7.505	7.630	7.549	7.433	7.779	7.769	7.718	7.766	7.728	7.835	7.770		
1419893	at	D930048N14Rik	AI315703	Mm.220299		11	5.304	5.037	5.315	5.381	5.100	5.534	5.238	5.286	5.304	5.501	5.662	5.046	5.557	5.362	5.288	5.548	5.438	5.376	5.380	5.724	5.614	5.522		
1419894	at	EG627782	AI465388	Mm.305432	X	8	8.057	8.150	8.073	7.863	7.955	8.253	8.078	7.663	8.328	8.140	7.728	8.180	8.058	8.074	8.180	8.058	8.074	8.180	8.058	8.074	8.180	8.058		

1419942	s	Srxn1	AW488194	Mm.218639	2	8.345	8.003	8.240	8.269	8.286	8.141	8.314	8.238	8.031	8.125	8.221	8.153	8.214	8.194	8.234	8.302	8.212	8.104	8.106	8.343	8.436	8.099	8.301	8.328
1419943	s	Ccnb1	AU015121	Mm.260114	13	6.676	8.418	6.541	6.670	6.838	6.783	6.853	7.544	8.105	7.797	8.229	6.645	6.957	8.087	7.195	6.555	6.406	6.579	6.545	6.700	6.718	6.560	6.610	6.433
1419944	s	Ccnb1	AU015121	Mm.260114	13	6.595	8.667	6.653	6.535	6.561	6.330	6.567	6.554	6.510	6.456	6.480	6.364	6.433	6.592	6.388	6.684	6.492	6.429	6.681	6.709	6.471	6.347	6.650	6.667
1419945	s	Rab2a	C80220	Mm.397471	4	12.209	12.097	12.394	12.207	12.178	12.281	12.016	12.072	12.162	12.199	12.047	12.147	12.074	12.108	12.235	12.361	12.203	12.120	12.252	12.188	12.210	12.245	12.293	12.276
1419946	s	NA	C80220	NA	5	5.372	5.890	5.553	5.134	5.358	5.575	5.435	5.898	5.751	5.636	5.350	5.465	5.508	5.488	5.594	5.435	5.841	5.807	5.435	5.295	5.682	6.399	5.523	5.373
1419947	s	D4Erttd117e	C77489	NA	4	10.045	9.905	10.074	10.091	9.979	9.979	10.130	10.031	10.058	9.967	10.088	9.745	10.044	10.042	9.965	10.121	10.036	9.924	9.947	10.137	10.117	10.017	10.162	10.080
1419948	s	D4Erttd117e	C77489	NA	4	7.199	6.939	7.076	7.214	7.065	7.055	7.041	7.105	7.054	6.902	7.074	7.060	7.049	6.996	6.927	7.023	7.170	6.962	7.002	7.030	7.151	7.050	7.093	6.894
1419949	s	Tmem38b	C77858	Mm.27184	4	7.158	6.760	7.157	7.106	6.752	7.145	6.798	6.722	6.928	6.710	6.928	6.819	6.913	6.843	6.963	6.835	6.802	6.963	6.936	6.945	7.002	7.199	6.958	7.179
1419950	s	Tnpo3	C80427	Mm.276381	6	10.342	10.657	10.168	10.118	10.358	10.032	10.123	10.698	10.390	10.363	10.247	10.380	10.293	10.354	10.070	10.181	10.554	10.268	10.061	9.986	10.419	10.696	10.115	10.065
1419951	s	Lman1	AU043785	Mm.290857	18	6.247	6.275	6.095	6.184	6.241	6.044	6.275	6.513	6.351	6.251	6.365	6.615	6.126	6.294	6.246	6.160	6.508	6.419	6.158	6.329	6.345	6.449	5.887	6.207
1419952	s	Stx5a	AU014962	Mm.153061	19	6.053	6.106	5.985	6.248	5.804	5.882	5.959	5.936	5.882	5.802	5.900	5.970	5.921	5.810	5.993	5.918	6.025	5.946	5.859	5.884	5.959	5.893	5.888	5.976
1419953	s	C80678	NA	12	5.114	4.782	4.903	5.045	4.871	5.012	4.958	4.936	4.863	4.780	4.937	4.934	4.878	4.919	4.859	5.187	4.878	5.027	4.966	5.215	4.923	5.043	4.951	5.020	
1419954	s	Zland3	AW539211	Mm.220972	17	10.875	10.940	10.950	11.021	11.012	11.124	10.902	10.664	10.819	10.910	10.804	11.018	11.059	10.860	11.041	10.967	10.860	11.111	11.125	11.075	10.616	10.778	11.069	11.084
1419955	s	Zland3	AW539211	Mm.220972	17	7.100	6.746	7.056	7.084	7.007	7.082	7.044	7.050	6.887	6.610	6.956	7.149	7.106	6.716	6.881	7.010	6.915	7.082	7.038	7.014	7.055	7.043	6.828	7.067
1419956	s	C77144	C77144	NA	2	4.795	4.629	4.929	4.685	4.451	4.746	4.835	4.743	4.654	4.548	4.743	4.681	4.690	4.840	4.669	4.798	4.733	4.909	4.965	4.741	4.556	4.978	4.744	
1419957	s	C77144	C77144	NA	2	7.097	6.564	7.113	6.867	6.861	6.761	6.938	7.042	6.632	6.671	6.979	6.713	6.860	6.797	6.939	6.966	6.886	6.960	6.981	7.136	6.968	6.875	7.105	6.960
1419958	s	Cphx	AU019881	Mm.441404	14	6.291	6.169	6.385	6.094	6.208	6.690	6.390	5.905	6.017	6.249	6.495	6.229	6.125	6.271	6.273	6.513	6.513	6.433	6.293	6.459	5.981	6.291	6.286	6.558
1419959	s	Cphx	AU019881	Mm.441404	14	3.940	4.015	3.975	3.939	3.924	3.811	3.942	3.953	3.922	3.884	3.877	3.988	4.067	3.871	3.859	3.912	3.890	3.793	4.053	4.199	3.927	3.975	4.041	3.922
1419960	s	Cphx	AU019881	Mm.441404	14	7.865	7.601	7.717	7.847	7.662	7.934	7.847	7.743	7.680	7.645	7.812	7.600	7.602	7.737	7.692	7.750	7.838	7.780	7.758	8.098	7.712	7.604	7.877	7.866
1419961	s	Cphx	AU019881	Mm.441404	14	4.947	4.548	4.883	4.764	4.703	5.074	4.942	4.791	4.796	4.798	4.912	4.558	4.928	4.636	5.032	4.796	4.616	4.967	4.821	4.955	4.794	4.817	4.884	4.813
1419962	s	NA	C80871	NA	NA	4.726	4.497	4.636	4.642	4.493	4.518	4.508	4.805	4.554	4.686	4.807	4.605	4.611	4.658	4.635	4.794	4.612	4.659	4.719	4.778	4.666	4.602	4.650	4.502
1419963	s	Depdc6	C80871	Mm.295397	15	7.426	7.008	7.333	7.505	7.180	7.128	7.257	7.134	7.171	7.105	7.225	7.146	7.270	7.333	7.249	7.244	7.259	7.183	7.271	7.419	7.348	7.108	7.370	7.183
1419964	s	at Hdaf	C80147	Mm.292208	3	12.272	12.524	12.059	12.320	12.402	12.093	12.238	11.955	12.420	12.302	12.370	12.283	12.258	12.345	12.000	12.109	12.263	12.277	12.214	12.183	12.210	12.230	12.191	12.284
1419965	s	NA	C79445	NA	NA	7.515	7.273	7.460	7.469	7.411	7.349	7.390	7.602	7.383	7.280	7.474	7.235	7.350	7.469	7.442	7.410	7.352	7.353	7.376	7.321	7.523	7.403	7.396	7.277
1419966	s	at Tubb2a-ps2	C79445	Mm.194735	12	3.749	3.797	3.674	3.683	3.674	3.671	3.688	3.733	3.791	3.741	3.701	3.615	3.652	3.660	3.721	3.789	3.795	3.989	3.740	3.765	3.782	3.827	3.774	3.716
1419967	s	Seh1	AW540070	Mm.307315	18	6.598	6.767	6.711	6.799	6.588	6.685	6.776	6.804	6.762	6.735	6.695	6.567	6.660	6.712	7.024	6.636	6.835	7.019	6.998	6.970	6.713	6.617	6.652	6.567
1419968	s	at C7370	C73706	Mm.281907	X	5.670	5.536	5.578	5.568	5.637	5.378	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578
1419969	s	at C7370	C73706	Mm.281907	X	5.670	5.536	5.578	5.568	5.637	5.378	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578	5.508	5.578
1419970	s	Slc35a5	C86506	Mm.264984	16	7.341	7.032	7.292	7.319	7.073	7.329	7.375	7.213	7.293	7.070	7.411	7.099	7.144	7.349	7.453	7.327	7.225	7.175	7.473	7.597	7.231	7.081	7.340	7.146
1419971	s	at Slc35a5	C86506	Mm.264984	16	7.345	8.381	7.620	7.834	7.290	8.126	7.176	7.888	7.695	7.897	7.056	7.474	7.576	8.203	7.524	7.806	7.823	7.124	7.306	6.896	7.291	7.518	7.407	7.315
1419972	s	at Slc35a5	C86506	Mm.264984	16	4.152	4.149	4.076	4.155	4.118	4.122	3.935	4.240	4.098	4.170	4.115	4.165	3.935	4.099	4.018	3.832	4.137	4.064	4.091	4.106	4.086	4.255	3.911	4.175
1419973	s	at Oxxsm	C80494	Mm.197960	14	5.348	5.311	5.359	5.330	5.349	5.210	5.114	5.369	5.396	5.255	5.260	5.484	5.205	5.287	5.421	5.085	5.426	5.485	5.343	5.402	5.383	5.615	5.178	5.359
1419974	s	at Scp2	C76618	Mm.379011	4	8.381	7.140	8.383	8.299	7.832	7.901	8.137	7.744	7.406	7.753	7.912	7.699	7.716	7.831	8.014	8.278	8.055	7.935	8.092	8.408	8.314	7.921	8.422	8.237
1419975	s	at Scp2	C76618	Mm.379011	4	8.441	8.280	8.601	8.418	8.055	8.091	8.435	8.289	7.687	8.084	7.932	8.195	7.772	8.049	8.387	8.279	8.349	8.202	8.497	8.388	8.524	8.734	8.506	8.662
1419976	s	at C80387	Mm.383185	8	4.362	4.593	4.282	4.332	4.289	4.452	4.356	4.275	4.588	4.393	4.544	4.312	4.393	4.398	4.535	4.236	4.349	4.363	4.587	4.332	4.368	4.483	4.196	4.483	4.483
1419977	s	at Nfatc3	C79787	Mm.383185	8	4.726	4.772	4.817	4.641	4.551	4.643	4.961	4.768	4.752	4.701	4.471	4.635	4.807	4.641	4.467	4.732	4.819	4.534	4.714	4.833	4.645	4.713	4.604	4.829
1419978	s	at D10Ertdd610e	AU014694	Mm.272230	10	7.825	8.377	7.832	8.139	8.869	8.137	7.831	8.225	9.243	8.905	8.110	8.974	8.982	8.574	8.475	7.897	8.424	8.214	8.105	7.785	8.059	8.107	7.789	7.607
1419979	s	at Creb3	AU044960	Mm.12407	4	10.416	10.854	10.317	10.217	10.450	10.145	10.296	10.673	11.183	10.860	10.532	10.878	10.841	10.877	10.621	10.226	10.166	10.116	10.157	10.168	10.150	10.192	10.129	10.048
1419980	s	at Creb3	AU044960	Mm.12407	4	6.507	6.591	6.654	6.530	6.471	6.508	6.696	6.646	6.567	6.434	6.762	6.686	6.495	6.605	6.725	6.653	6.635	6.376	6.346	6.654	6.516	6.677	6.434	6.847
1419981	s	at Rlck3	C80812	Mm.28551	18	6.811	6.580	6.808	6.553	6.773	6.734	6.775	6.843	6.614	6.357	6.785	6.721	6.673	6.706	6.717	6.900	7.138	6.516	6.737	6.887	6.751	6.730	6.885	6.749
1419982	s	at NA	C77112	NA	NA	8.182	7.752	8.386	8.343	6.999	7.778	8.207	8.457	8.119	7.748	7.810	8.374	7.925	8.168	8.248	8.118	8.233	7.587	8.099	8.138				

1420031	at	Chek1	C85740	Mm.16753	9	6.045	5.978	6.019	5.776	6.000	5.724	5.827	5.861	5.874	5.733	5.947	5.756	5.828	6.066	5.972	5.941	6.088	5.928	5.985	6.008	5.886	5.897	6.121	6.278
1420032	at	Chek1	C85740	Mm.16753	9	4.361	4.222	3.943	4.191	4.243	4.186	4.269	4.239	4.163	4.111	4.207	4.064	4.175	4.231	4.142	4.092	4.181	4.272	4.386	4.282	4.275	4.163	4.246	4.193
1420033	s at	Ppp2r2d	AU019644	Mm.258739	7	10.837	10.883	10.749	10.563	10.694	10.578	10.539	10.755	10.767	10.774	10.937	10.789	10.642	10.693	10.841	10.750	10.505	10.534	10.631	10.554	10.570	10.645	10.811	10.877
1420034	at	A0p6	AU019644	Mm.258739	7	6.534	6.481	6.348	6.556	6.694	6.046	6.404	6.560	6.384	6.372	6.392	6.492	6.290	6.557	6.389	6.411	6.375	6.324	6.074	5.983	6.341	6.611	6.377	6.578
1420035	at	Atp6	AU79037	Mm.202309	15	6.859	6.983	6.892	6.766	6.927	6.853	6.700	6.818	6.581	6.789	6.605	6.718	6.878	6.646	6.805	6.704	6.632	6.895	6.756	6.895	6.888	6.888	6.822	6.832
1420036	at	Ata1	AW547406	Mm.216321	7	4.936	5.278	5.255	5.137	4.893	5.147	5.076	5.238	4.980	4.971	5.056	5.021	4.930	5.063	5.139	5.148	5.147	5.038	4.990	4.980	5.212	5.190	5.086	5.086
1420037	at	Atp5a1	C78762	Mm.276137	18	9.397	9.032	9.791	9.598	9.321	9.555	9.491	9.228	9.587	9.090	9.117	9.280	9.062	9.556	9.361	9.529	9.456	9.380	9.446	9.432	9.588	9.387	9.518	9.980
1420038	at	Atp6v1e1	C85064	Mm.29045	6	6.763	6.711	6.622	6.573	6.847	6.625	6.703	6.831	6.726	6.721	6.682	6.888	6.655	6.568	6.731	6.770	7.261	7.089	6.681	6.629	6.912	7.082	6.712	6.724
1420039	s at	Cbx7	C85667	Mm.323442	15	7.090	6.870	7.033	7.122	6.854	7.017	6.988	7.057	6.811	6.938	7.039	6.748	6.867	6.974	7.030	7.015	7.058	7.116	7.040	7.118	7.147	6.948	6.713	7.063
1420040	at	5730472N09Rik	AI790341	Mm.254974	2	8.017	7.780	7.643	7.925	7.841	7.816	7.686	8.019	7.837	7.476	7.784	7.806	7.880	7.828	7.771	7.850	7.952	7.756	7.730	7.730	7.990	8.020	7.893	7.874
1420041	at	NA	C79309	NA	NA	7.361	7.224	7.592	7.338	7.142	7.318	7.360	7.165	7.545	7.144	7.268	7.234	7.263	7.304	7.339	7.534	7.352	7.365	7.309	7.519	7.312	7.162	7.233	7.500
1420042	at	Usp14	AW107824	Mm.329277	18	3.779	3.938	3.732	3.848	3.697	3.837	3.760	3.824	3.772	3.739	3.666	3.799	3.703	4.000	3.792	3.782	3.868	3.804	3.811	3.829	3.796	3.925	3.938	3.917
1420043	s at	Usp14	AW107824	Mm.329277	18	5.322	5.743	5.826	5.481	5.495	5.331	5.940	5.691	5.483	5.590	5.648	5.614	5.242	5.702	5.820	5.705	5.570	5.501	5.808	5.752	5.933	5.914	6.078	5.871
1420044	at	Nrd1	AI875733	Mm.274950	4	7.341	7.586	7.344	7.113	7.493	7.378	7.446	7.726	7.342	7.452	7.308	7.587	7.268	7.459	7.347	7.521	7.489	7.605	7.641	7.213	7.415	7.585	7.389	7.467
1420045	at	NA	B8826262	NA	NA	6.698	6.415	6.768	6.744	6.593	6.605	6.848	6.614	6.353	6.329	6.629	6.294	6.526	6.488	6.682	6.736	6.707	6.596	6.841	6.936	6.676	6.499	6.930	6.787
1420046	s at	Maf1	AU042856	Mm.289680	15	10.949	10.793	10.862	11.110	11.031	11.083	10.988	11.065	10.731	10.662	10.559	11.118	11.040	10.662	10.898	10.830	11.560	11.385	11.290	11.277	11.340	11.490	11.106	10.980
1420047	at	Maf1	AU042856	Mm.289680	15	5.406	5.212	5.338	5.504	5.386	5.393	5.371	5.615	5.326	4.992	5.235	5.333	5.507	5.508	5.306	5.273	5.606	5.419	5.407	5.485	5.775	5.559	5.564	5.389
1420048	at	C78859	C78859	Mm.136496	8	6.555	5.960	6.541	6.469	6.093	6.470	6.658	6.169	6.094	6.336	6.219	6.346	6.088	6.412	6.432	6.241	6.463	6.544	6.854	6.600	6.251	6.550	5.650	6.483
1420049	at	C78859	C78859	Mm.136496	8	4.491	4.459	4.764	4.529	4.477	4.730	4.489	4.399	4.481	4.297	4.622	4.402	4.400	4.488	4.456	4.726	4.551	4.767	4.844	4.691	4.615	4.603	4.610	4.718
1420050	at	NA	BE691368	NA	NA	5.420	5.463	5.446	5.529	5.371	5.423	5.526	5.682	5.172	5.290	5.414	5.275	5.497	5.183	5.237	5.604	5.622	5.457	5.350	5.680	5.521	5.642	5.520	5.743
1420051	at	NA	BE691368	NA	NA	5.122	4.760	4.862	4.782	4.479	4.651	4.842	4.610	4.841	4.760	4.747	4.740	5.035	4.669	4.826	4.984	4.992	4.808	4.824	4.804	4.987	4.779	4.661	4.757
1420052	x at	Psmb1	C81484	Mm.32912	17	7.426	7.370	7.277	7.189	7.238	7.210	7.266	7.646	7.344	7.270	7.198	7.556	7.235	7.212	7.225	7.177	7.430	7.340	7.193	7.348	7.471	7.557	7.424	7.162
1420053	at	Psmb1	C81484	Mm.32912	17	8.091	8.019	8.475	7.875	8.184	8.257	8.328	8.263	8.015	8.268	8.421	8.032	8.256	8.210	8.317	8.351	8.143	8.101	8.464	8.345	8.111	8.135	8.406	8.312
1420054	s at	Slc35c2	C85957	Mm.21184	2	5.665	6.714	5.408	5.690	5.965	5.433	5.585	5.862	6.424	5.954	5.953	5.983	5.990	5.986	5.624	5.525	5.946	5.955	5.859	5.764	5.724	5.712	5.502	
1420055	at	Slc35c2	C85957	Mm.21184	2	6.358	6.084	6.181	6.283	6.322	6.325	6.130	6.277	6.114	6.127	6.061	5.983	6.057	6.106	6.243	6.374	6.158	6.414	6.297	6.221	6.312	6.376	6.182	6.530
1420056	s at	Jmd6	C78652	Mm.383423	11	9.342	9.670	9.304	9.297	9.192	9.211	9.182	9.299	9.426	9.266	9.577	9.216	9.108	9.548	9.082	9.315	9.030	9.229	9.232	9.285	9.256	9.085	9.405	9.545
1420057	at	Jmd6	C78652	Mm.383423	11	7.456	7.365	7.406	7.426	7.405	7.142	7.404	7.389	7.389	7.405	7.382	7.405	7.382	7.405	7.382	7.405	7.382	7.405	7.382	7.405	7.382	7.405	7.382	7.405
1420058	at	AI0166105Rik	AI480750	Mm.30153	6	11.507	11.361	11.441	11.526	11.441	11.541	11.485	11.388	11.459	11.391	11.391	11.236	11.046	11.350	11.454	11.692	11.737	11.692	11.692	11.692	11.692	11.692	11.692	11.692
1420059	at	2410166105Rik	AI480750	Mm.30153	4	7.329	7.299	7.084	7.263	7.296	6.821	7.125	7.333	7.250	7.163	7.007	7.245	7.025	6.976	7.161	6.967	7.580	7.271	7.127	7.292	7.427	7.557	7.223	7.108
1420060	s at	AA675344	AI593684	Mm.137746	5	4.709	4.296	4.427	4.556	4.637	4.481	4.758	4.618	4.390	4.436	4.314	4.342	4.432	4.450	4.375	4.537	4.608	4.589	4.566	4.501	4.563	4.434	4.402	4.653
1420061	s at	AA675344	AI593684	Mm.137746	5	5.421	5.322	5.516	5.582	5.347	5.478	5.543	5.521	5.328	5.399	5.500	5.420	5.343	5.436	5.354	5.443	5.381	5.333	5.349	5.477	5.553	5.443	5.539	5.517
1420062	at	NA	BE628832	NA	NA	7.914	7.627	8.055	8.147	7.921	8.099	8.115	7.777	7.809	7.703	8.064	7.887	7.945	8.081	7.967	7.981	7.917	7.661	8.078	8.056	7.768	7.549	8.108	8.050
1420063	at	NA	BE628832	NA	NA	5.741	5.433	5.715	5.589	5.637	5.567	5.637	5.721	5.610	5.565	5.651	5.557	5.634	5.544	5.546	5.686	5.515	5.609	5.688	5.766	5.556	5.542	5.696	5.344
1420064	s at	Tktil1	C79967	Mm.25057	X	4.309	4.177	4.132	4.083	4.155	4.006	4.199	4.163	4.325	4.298	4.248	4.295	4.237	4.065	4.161	4.237	4.070	4.114	4.029	4.248	4.338	3.909	4.184	4.482
1420065	at	Fcd3	AU020229	Mm.243722	X	5.370	5.739	5.843	5.309	5.359	5.927	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892	5.744	5.892
1420066	s at	Cd160	AU045688	Mm.34693	3	5.814	5.656	5.751	5.721	5.766	5.775	5.683	5.749	5.656	5.698	5.685	5.675	5.769	5.873	5.895	5.894	5.731	5.751	5.678	5.843	5.680	5.785	5.868	5.944
1420067	at	Cd160	AU045688	Mm.34693	3	6.378	6.189	6.148	6.247	6.282	6.134	6.262	6.288	6.252	6.186	6.244	6.054	6.329	6.250	5.997	6.304	6.315	6.343	6.209	6.166	6.267	6.238	6.267	6.313
1420068	at	NA	AI552528	NA	NA	5.878	5.713	5.669	5.868	5.625	5.739	5.983	5.975	5.904	5.734	5.959	5.661	5.930	5.774	5.647	5.832	5.826	5.765	5.950	5.907	5.764	5.699	5.789	5.856
1420069	at	NA	AA545222	NA	NA	4.214	4.275	4.281	4.256	4.140	4.625	4.413	4.189	4.245	3.838	4.267	4.103	4.300	4.266	4.557	4.245	4.265	4.244	4.239	4.449	4.152	4.281	4.518	4.268
1420070	a at	Slc9a5	AW061092	Mm.334766	8	5.337	5.122	5.389	5.370	5.294	5.250	5.376	5.487	5.277	5.251	5.286	5.440	5.258	5.458	5.469	5.326	5.342	5.439	5.172	5.378	5.446	5.298	5.439	5.346
1420071	at	Serpinb6e	AI506527	Mm.442993	13	4.506	4.452	4.682	4.584	4.490	4.678	4.637	4.806	4.438	4.516	4.595	4.508	4.482	4.499	4.339	4.440	4.864	4.625	4.479	4.622	4.772			

1420120	at	AU020177	AU020177	Mm.194486	1	5.021	4.771	5.057	5.050	4.766	4.990	4.981	5.003	4.872	4.722	4.872	4.711	4.890	4.985	4.766	4.975	4.920	4.846	5.058	4.990	5.152	4.763	4.967		
1420121	at	AA517858	AA517858	NA	14	3.797	3.624	4.066	3.842	3.791	3.834	3.974	3.836	3.864	3.761	3.855	3.760	3.717	3.703	3.927	3.888	3.903	3.860	3.950	3.852	3.867	3.901	3.957	3.860	
1420122	at	AA517858	AA517858	NA	14	3.770	3.812	4.004	3.774	3.812	3.843	3.889	3.872	3.881	3.799	3.893	3.844	3.720	3.781	4.002	3.916	3.743	3.867	3.888	4.041	3.879	3.877	3.899	3.917	
1420123	at	Tcta	C85065	Mm.24670	9	10.457	10.415	10.812	10.552	11.050	10.996	10.953	11.033	10.165	10.402	10.982	10.844	10.814	10.516	10.857	10.722	11.285	11.204	10.931	11.043	11.101	11.175	10.936	10.686	
1420124	s at	Tcta	C85065	Mm.24670	9	10.335	10.290	10.735	10.540	10.894	10.818	10.799	10.927	9.986	10.330	9.945	10.689	10.603	10.354	10.769	10.655	11.175	11.091	10.776	11.007	11.029	11.129	10.837	10.615	
1420125	at	Tcta	C85065	Mm.24670	9	5.741	5.684	5.510	5.696	5.735	5.751	5.798	5.984	5.622	5.542	5.634	5.612	5.510	5.590	5.855	5.665	5.806	5.836	5.583	5.879	5.933	6.054	5.855	5.708	
1420126	at	AA522020	AA522020	Mm.350729 Y	9	4.228	4.298	4.577	4.331	4.354	4.669	4.422	4.409	4.381	4.428	4.586	4.263	4.256	4.500	4.539	4.526	4.425	4.460	4.756	4.618	4.365	4.408	4.457	4.356	
1420127	s at	Ccpa1	C85100	Mm.268475	9	9.348	8.813	9.536	9.551	9.617	9.481	9.342	8.980	8.998	9.177	8.740	8.990	9.803	8.621	9.650	9.576	9.495	9.628	9.478	9.303	9.417	9.685	9.685	9.528	
1420128	s at	Ccpa1	C85100	Mm.268475	9	6.447	6.558	6.623	6.607	6.683	6.439	6.584	6.527	6.642	6.388	6.644	6.485	6.730	6.546	6.581	6.487	6.724	6.518	6.783	6.419	6.347	6.583	6.460	6.646	
1420129	s at	D10Wsu52e	AA409545	Mm.9257	10	10.765	11.052	10.893	10.822	10.780	10.941	10.792	10.795	11.074	10.925	10.883	10.819	10.828	10.960	10.807	10.979	10.980	10.857	10.870	10.802	10.808	10.910	10.881	10.773	
1420130	s at	D10Wsu52e	AA409545	Mm.9257	10	6.231	6.111	5.885	6.134	6.248	6.009	6.208	6.180	6.120	5.741	5.963	6.111	6.209	6.050	6.011	5.970	6.407	6.113	6.206	6.035	6.324	6.183	6.012	6.072	
1420131	s at	Pttb1lp	AU018448	Mm.28853	10	11.807	11.961	12.021	11.951	11.977	12.049	11.864	11.885	12.024	12.084	11.954	12.099	12.041	12.013	12.141	12.120	12.020	11.848	12.020	12.031	11.943	11.934	12.011	12.226	12.080
1420132	s at	Pttb1lp	AU018448	Mm.28853	10	6.952	6.829	7.013	6.807	6.816	6.951	6.901	7.148	6.866	6.706	6.887	6.982	6.967	6.643	6.947	6.863	6.953	6.925	6.964	6.920	7.011	7.487	7.039	7.021	
1420133	at	OTTMTUSG000000	AU017237	Mm.348294	4	7.352	6.910	7.243	7.359	7.287	7.155	7.343	7.388	7.195	7.097	7.236	7.121	7.135	7.262	7.156	7.127	7.219	7.196	7.319	7.278	7.340	7.235	7.400	7.269	
1420134	at	OTTMTUSG000000	AU017237	Mm.348294	4	4.410	4.210	4.442	4.602	4.448	4.517	4.454	4.491	4.308	4.117	4.362	4.283	4.500	4.330	4.192	4.667	4.519	4.432	4.408	4.403	4.471	4.741	4.423	4.674	
1420135	at	NA	AI174045	NA	NA	7.143	7.073	7.084	7.167	7.199	6.977	7.158	7.182	7.088	7.153	7.263	7.175	7.256	7.036	7.107	7.165	7.134	7.107	7.197	7.099	7.170	7.196	7.216	7.190	
1420136	a at	NA	AI427540	NA	NA	9.073	7.991	8.881	8.402	8.283	8.523	8.630	8.038	7.186	7.598	7.487	7.942	7.391	7.414	7.672	8.879	8.433	8.135	7.629	7.830	8.737	9.102	8.595	8.737	
1420137	at	NA	AI427540	NA	NA	5.660	5.177	5.481	5.390	5.387	5.025	5.560	5.612	5.212	4.866	5.455	5.122	5.245	5.366	5.093	5.520	5.603	5.187	5.305	5.491	5.830	5.573	5.456	5.443	
1420138	at	Sic19a1	AI323572	Mm.265060	10	9.073	9.138	9.865	9.115	9.065	9.107	9.123	9.066	9.121	8.907	9.087	9.010	9.040	9.155	8.955	8.927	9.327	9.228	9.263	9.187	9.193	9.197	9.062	9.071	
1420139	s at	Mecp	AA075595	Mm.61193	5	7.937	7.927	7.785	7.948	7.885	7.839	7.858	7.767	7.764	7.636	7.710	7.930	7.906	7.756	7.718	7.935	8.183	7.871	8.040	8.079	8.136	7.976	7.976	7.972	
1420141	at	AA517023	AA517023	Mm.4902	3	4.217	4.083	4.405	4.182	4.299	4.338	4.104	4.389	4.360	4.465	4.120	4.492	4.629	4.290	4.288	4.163	4.193	4.255	4.411	4.210	4.506	4.499	4.105	4.244	
1420142	s at	Pa2q4	AA672939	Mm.4742	10	9.398	9.833	9.369	9.647	9.530	9.636	9.352	9.301	9.281	9.447	9.615	9.357	9.243	9.620	9.467	9.351	9.562	9.660	9.739	9.551	9.541	9.416	9.634	9.622	
1420143	at	Rc3h2	AI464227	Mm.288785	2	7.871	7.412	7.886	7.863	7.697	7.837	7.985	7.806	7.774	7.847	7.810	7.541	7.767	7.784	7.898	7.976	7.762	7.699	7.981	7.978	7.989	7.770	8.079	7.866	
1420144	x at	Rc3h2	AI464227	Mm.288785	2	5.940	5.626	5.962	5.864	5.899	5.817	6.031	6.046	5.892	5.833	5.937	5.927	5.964	5.920	5.647	5.768	5.813	5.816	5.937	6.274	5.988	5.866	6.070	6.219	
1420145	at	NA	AI464227	NA	NA	5.930	5.345	5.627	5.549	5.516	5.641	5.771	5.463	5.525	5.356	5.459	5.307	5.737	5.327	5.637	5.571	5.321	5.548	5.645	5.799	5.524	5.645	5.434	5.623	
1420146	at	Ttlim	Mm.226554	17	5.695	5.568	5.366	5.584	5.583	5.584	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	5.583	
1420147	at	AA407331	AA407331	Mm.288785	18	9.979	9.798	9.025	9.916	9.787	9.968	9.857	9.823	9.868	9.857	9.823	9.868	9.857	9.823	9.868	9.857	9.823	9.868	9.857	9.823	9.868	9.857	9.823	9.868	
1420148	at	Sic6a6	AA589629	Mm.395650	6	6.989	7.020	6.959	6.882	7.007	6.918	6.975	7.037	6.790	7.027	6.977	6.677	6.976	6.985	6.922	6.993	6.929	6.891	6.971	7.075	6.916	6.869	6.933	6.936	
1420149	at	NA	AA673515	NA	NA	6.895	6.468	6.792	6.844	6.665	6.789	6.791	6.781	6.642	6.847	6.595	6.757	6.620	6.418	6.749	6.759	6.770	6.722	6.869	6.785	6.821	6.743	6.852	6.911	
1420150	at	Spsb1	AI596360	Mm.30	4	10.140	9.745	9.809	10.128	10.117	10.247	9.769	9.772	9.789	9.829	9.349	9.887	10.099	9.592	10.071	9.978	10.165	10.359	10.081	10.245	10.721	10.783	11.233	10.611	
1420151	at	NA	AV206800	NA	NA	4.590	4.462	4.580	4.381	4.427	4.507	4.575	4.501	4.318	4.492	4.417	4.144	4.436	4.491	4.474	4.471	4.488	4.437	4.465	4.738	4.576	4.353	4.483	4.652	
1420152	at	NA	AV206800	NA	NA	5.490	5.271	5.688	5.539	5.491	5.459	5.776	5.748	5.481	5.379	5.736	5.430	5.629	5.442	5.656	5.594	5.447	5.342	5.443	5.771	5.471	5.498	5.559	5.417	
1420153	at	NA	AV339322	NA	NA	5.828	5.720	5.802	5.610	5.485	5.777	5.810	5.811	5.717	5.564	5.731	5.742	5.771	5.764	5.523	5.589	5.822	5.854	5.771	6.284	5.807	5.706	5.869	5.682	
1420154	at	NA	AA409545	Mm.9257	10	6.194	6.066	6.059	6.044	6.087	6.023	6.064	6.084	6.069	6.084	6.069	6.084	6.069	6.084	6.069	6.084	6.069	6.084	6.069	6.084	6.069	6.084	6.069	6.084	
1420155	at	AA408954	AA408954	Mm.441357	9	5.182	4.889	5.156	5.209	4.874	5.034	5.149	5.104	5.092	4.887	5.146	4.912	5.116	5.108	4.959	5.207	5.126	4.963	5.211	5.165	5.374	5.042	5.316	5.416	
1420156	at	AA408954	AA408954	Mm.441357	9	6.153	5.693	5.597	5.809	5.574	5.653	5.771	5.892	5.734	5.736	5.898	5.744	5.707	5.774	5.773	5.848	5.734	5.812	5.892	5.897	5.882	5.802	5.895	5.675	
1420157	s at	Abcf1	AA408356	Mm.329022	17	10.595	10.740	10.525	10.666	10.659	10.627	10.611	10.639	10.679	10.640	10.679	10.649	10.652	10.683	10.497	10.557	10.804	10.628	10.625	10.603	10.739	10.763	10.740	10.611	
1420158	s at	Abcf1	AA408356	Mm.329022	17	6.567	6.288	6.222	6.610	6.475	6.421	6.422	6.544	6.212	6.343	6.632	6.272	6.297	6.313	6.291	6.421	6.465	6.428	6.411	6.421	6.587	6.547	6.411	6.680	
1420159	at	Mvo1e	AA407778	Mm.249311	9	7.257	7.173	7.329	7.296	7.738	7.044	7.136	7.286	7.579	7.467	7.492	7.278	7.500	7.327	7.228	7.316	7.220	7.039	7.007	7.140	7.324	7.303	7.288	7.274	
1420160	s at	Mvo1e	AA407778	Mm.249311	9	5.981	5.890	5.752	5.534	5.719	5.658	5.741	5.855	5.983	5.983	6.118	5.955	5.905	5.860	5.743	5.822	5.683	5.513	5.565	5.773	6.066	5.950	5.696	5.871	
1420161	at	AA409749	AA409749	Mm.441348	10	5.418	5.680	5.744	5.528	5.327	5.215	5.343	5.446	5.482	5.346	5.446	5.482	5.346												

1420209	at	LOC100043081	AV132298	Mm.458878	12	6.377	6.058	6.217	6.219	6.142	6.068	6.300	6.243	6.068	6.159	6.270	6.185	6.223	6.271	6.289	6.299	6.402	6.182	6.326	6.482	6.288	6.340	6.402		
1420210	at	Slc8a1	BB269604	Mm.265834	17	7.327	7.189	7.561	6.928	7.279	7.227	7.251	7.207	7.205	7.255	7.163	7.196	7.204	7.183	7.114	7.502	6.770	7.245	7.056	7.315	6.773	6.931	6.915	7.015	
1420211	at	NA	BB269604	NA	NA	7.167	6.660	7.252	7.090	6.949	7.092	7.172	7.012	6.899	6.674	7.108	6.896	7.061	6.899	7.125	7.064	6.984	7.056	6.971	7.139	7.071	6.967	7.270	7.192	
1420212	at	NA	AV264531	NA	NA	3.819	3.552	3.909	3.681	3.816	3.822	3.804	3.549	3.754	3.685	3.828	3.557	3.700	3.699	3.716	4.152	3.932	3.893	4.005	4.523	3.837	3.821	3.801	3.884	
1420213	x	at	AV264531	NA	NA	3.584	3.674	3.778	3.720	3.729	3.737	3.727	3.640	3.608	3.628	3.633	3.695	3.733	3.659	3.623	3.642	3.815	3.738	3.726	3.681	3.664	3.651	3.681	3.758	
1420214	at	NA	AV041406	NA	NA	5.879	5.618	5.677	5.770	5.717	5.665	5.745	5.741	5.552	5.733	5.671	5.669	5.571	5.669	5.571	5.671	5.671	5.735	5.671	5.735	5.731	5.779	5.876	5.828	
1420215	x	at	AV041406	NA	NA	5.536	5.231	5.431	5.344	5.317	5.267	5.403	5.320	5.418	5.379	5.531	5.311	5.317	5.321	5.314	5.333	5.434	5.484	5.317	5.525	5.433	5.294	5.455	5.514	5.380
1420216	at	NA	AV041406	NA	NA	5.815	5.521	5.723	5.714	5.631	5.632	5.681	5.578	5.397	5.552	5.914	5.525	5.693	5.680	5.669	5.893	5.790	5.803	5.971	5.818	5.705	5.798	5.761	6.133	
1420217	x	at	BB556127	NA	NA	7.422	6.790	7.291	6.969	6.840	7.299	7.220	6.943	6.934	6.854	7.224	6.763	6.968	7.060	7.377	7.210	7.217	7.390	7.250	7.621	7.124	7.700	7.444	7.184	
1420218	at	NA	BB556127	NA	NA	6.338	6.301	6.369	6.336	6.304	6.410	6.273	6.345	6.312	6.137	6.336	6.418	6.409	6.462	6.272	6.345	6.501	6.463	6.229	6.365	6.348	6.362	6.554	6.160	
1420219	at	Dnaic21	BB192718	Mm.297862	15	7.034	6.501	6.946	6.703	6.544	6.901	7.004	6.816	6.356	6.488	6.776	6.752	6.546	6.632	6.981	7.058	6.870	6.885	6.816	7.094	7.036	6.688	6.881	6.971	
1420220	x	at	BB192718	Mm.297862	15	7.713	7.585	7.790	7.673	7.641	7.629	7.905	7.792	7.481	7.537	7.664	7.717	7.491	7.379	7.735	7.517	8.004	8.101	7.773	7.859	7.996	7.723	7.756	7.776	
1420221	at	Dnaic21	BB192718	Mm.297862	15	6.246	6.209	6.337	6.311	6.359	6.312	6.318	6.478	6.201	6.111	6.299	6.121	6.245	6.343	6.294	6.233	6.570	6.479	6.299	6.577	6.610	6.321	6.406	6.509	
1420222	at	NA	T25554	NA	NA	5.609	5.417	5.726	5.553	5.394	5.537	5.452	5.515	5.413	5.425	5.566	5.465	5.570	5.666	5.463	5.444	5.551	5.727	5.532	5.432	5.914	5.529	5.756	5.568	
1420223	at	NA	T25554	NA	NA	4.676	4.571	4.587	4.629	4.662	4.482	4.588	4.674	4.648	4.650	4.683	4.700	4.608	4.772	4.563	4.478	4.479	4.508	4.446	4.607	4.529	4.508	4.830	4.503	
1420224	at	NA	AV090440	NA	NA	4.471	4.398	4.365	4.329	4.349	4.421	4.470	4.158	4.362	4.199	4.439	4.418	4.462	4.169	4.137	4.492	4.353	4.470	4.501	4.526	4.163	4.312	4.455	4.265	
1420225	at	NA	AV090440	NA	NA	3.987	3.661	3.833	3.823	3.750	3.718	3.833	3.924	3.822	3.633	3.700	3.815	3.711	3.780	3.840	3.786	3.759	4.075	4.027	3.902	3.850	3.881	3.735	3.691	
1420226	x	at	Hoxa4	AV206827	Mm.439647	6	4.813	4.571	4.593	4.629	4.633	4.464	4.622	4.665	4.705	4.668	4.633	4.474	4.714	4.663	4.579	4.670	4.620	4.921	4.630	4.687	4.886	4.572	4.519	4.625
1420227	at	NA	AV206827	NA	NA	4.708	4.562	4.639	4.781	4.946	4.655	4.694	4.801	4.441	4.709	4.599	4.815	4.656	4.615	4.739	4.793	4.828	4.754	4.730	4.917	4.878	4.845	4.858	4.893	
1420228	at	NA	AV240479	NA	NA	5.307	4.711	5.287	5.196	4.933	5.307	5.141	5.004	4.901	4.916	5.164	4.926	4.903	4.951	5.308	5.388	5.157	5.236	5.209	5.350	5.053	5.101	5.210	5.236	
1420229	at	NA	AV215734	NA	NA	6.716	6.296	6.605	6.462	6.312	6.545	6.843	6.391	6.436	6.844	6.539	6.591	6.352	6.483	6.379	6.481	6.331	6.327	6.482	6.588	6.508	6.410	6.698	6.618	
1420230	at	AAA414993	AA414993	Mm.441380	11	4.104	4.107	4.367	4.167	4.014	4.185	4.193	4.144	4.185	4.099	4.068	3.975	4.113	4.106	4.237	4.120	4.203	4.270	4.342	4.326	4.357	4.202	4.321	4.484	
1420231	at	NA	BB261287	NA	NA	7.136	6.502	6.965	6.875	6.714	6.939	6.917	6.902	6.563	6.722	7.000	6.539	6.970	6.671	6.827	6.844	6.870	7.028	6.989	7.512	7.019	6.864	7.182	7.031	
1420232	at	NA	BB261287	NA	NA	5.005	4.913	5.050	5.174	5.038	5.246	5.116	5.054	5.091	5.375	5.068	4.954	4.948	5.047	5.145	5.002	5.001	4.962	5.038	5.149	5.058	5.221	5.240	5.093	
1420233	at	NA	BB204543	NA	NA	7.788	7.283	7.435	7.382	7.317	7.369	7.453	7.467	7.469	7.508	7.590	7.388	7.365	7.432	7.468	7.477	7.373	7.452	7.600	7.543	7.462	7.379	7.442	7.483	
1420234	at	NA	AV372861	NA	NA	4.469	4.410	4.525	4.482	4.527	4.398	4.557	4.505	4.489	4.312	4.451	4.421	4.561	4.404	4.421	4.343	4.334	4.398	4.552	4.673	4.389	4.902	4.424	4.596	
1420235	at	Bohl	AV342551	Mm.140243	13	6.377	6.245	6.315	6.420	6.422	6.311	6.452	6.442	6.343	6.443	6.385	6.434	6.385	6.434	6.385	6.434	6.385	6.434	6.385	6.434	6.385	6.434	6.385	6.434	6.385
1420236	at	NA	AA517747	NA	NA	6.377	6.331	6.414	6.442	6.455	6.296	6.557	6.411	6.617	6.117	6.180	6.221	6.236	6.461	6.269	6.252	6.307	6.308	6.419	6.322	6.141	6.360	6.445	6.498	
1420237	at	NA	AA517747	NA	NA	5.253	5.069	5.349	5.233	5.281	5.261	5.230	5.523	5.214	5.110	5.400	5.190	5.280	5.355	5.200	5.158	5.141	5.023	5.238	5.268	5.402	5.180	5.198	5.087	
1420238	at	Ly6o6c	AV088850	Mm.215096	17	6.429	6.162	6.549	6.461	6.270	6.334	6.387	6.326	6.199	6.046	6.452	6.365	6.164	6.314	6.569	6.432	6.427	6.401	6.286	6.460	6.233	6.298	6.526	6.507	
1420239	x	at	AV293420	Mm.374865	17	3.503	3.406	3.358	3.564	3.385	3.361	3.419	3.469	3.504	3.409	3.474	3.404	3.572	3.477	3.457	3.535	3.433	3.547	3.450	3.543	3.465	3.417	3.429	3.370	
1420240	at	NA	AV314213	NA	NA	5.923	5.759	5.846	5.876	5.726	5.811	5.718	5.905	5.651	5.429	5.544	5.601	5.786	5.763	5.502	5.761	5.681	5.570	5.953	5.798	5.872	5.597	5.933	5.707	
1420241	at	NA	AV314213	NA	NA	7.975	7.804	8.033	8.017	7.860	8.087	8.099	8.039	7.872	7.718	7.971	7.869	7.883	7.821	7.967	7.896	7.780	8.053	8.032	7.961	7.945	7.949	7.872	7.913	
1420242	at	NA	AV142416	NA	NA	5.779	5.743	5.785	5.712	5.445	5.637	5.618	5.464	5.541	5.465	5.681	5.361	5.459	5.640	5.518	5.664	5.520	5.552	5.614	5.685	5.535	5.589	5.696	5.741	
1420243	at	Coa1	AV291759	Mm.3929	18	5.907	5.355	6.252	5.230	5.350	6.367	5.359	5.429	5.623	5.327	5.378	5.275	5.327	5.378	5.275	5.327	5.378	5.275	5.327	5.378	5.275	5.327	5.378	5.275	
1420244	at	NA	AV292586	NA	NA	3.699	3.568	3.656	3.627	3.664	3.688	3.585	3.743	3.645	3.685	3.649	3.739	3.712	3.688	3.661	3.641	3.672	3.774	3.774	3.695	3.811	3.806	3.658	3.731	
1420245	x	at	Taqin2	AV354139	Mm.271711	1	4.270	4.277	4.328	4.204	4.227	4.208	4.204	4.372	4.177	4.322	4.516	4.198	4.217	4.418	4.419	4.358	4.218	4.229	4.017	3.923	4.091	3.917	4.167	4.212
1420246	at	Ankzf1	AV230283	Mm.259326	1	5.477	4.925	5.208	5.203	5.185	5.178	5.184	5.091	5.167	5.019	5.061	5.072	5.080	5.150	5.356	5.055	5.314	5.420	5.162	5.583	5.051	5.207	5.491	5.266	
1420247	at	Gbl1	AV230283	Mm.458319	1	7.578	7.386	7.357	7.505	7.365	7.425	7.459	7.431	7.487	7.236	7.270	7.356	7.423	7.457	7.416	7.324	7.562	7.426	7.563	7.459	7.457	7.327	7.552	7.362	
1420248	at	LOC100045019	AV329014	NA	11	4.705	4.429	4.613	4.623	4.560	4.631	4.557	4.541	4.390	4.537	4.554	4.398	4.471	4.438	4.861	4.665	4.420	4.773	4.618	4.796	4.645	4.362	4.686	4.419	
1420249	s	at	Ccl6	AV084904	Mm.137	11	8.763	9.485	8.826	8.475	8.034	8.677	8.662	8.530	8.963	8.556	9.294	7.520	7.921	9.917	8.625	8.771	7.611	7.825	8.750	7.756	8.092	8.186	9.208	9.499
1420250	at	NA	AV264531	NA	NA	5.679	5.566	5.758	5.603	5.563	5.470	5.420	5.768	5.576	5.420	5.768	5.5													

1420298	at	NA	T25672	NA	NA		4.581	4.310	4.512	4.424	4.312	4.365	4.571	4.453	4.411	4.459	4.515	4.465	4.357	4.448	4.688	4.551	4.214	4.568	4.482	4.416	4.442	4.449	4.584	4.592
1420299	at	Gabra2	AV379247	Mm.5304	5		4.651	4.193	4.574	4.655	4.271	4.468	4.314	4.427	4.468	4.292	4.338	4.644	4.448	4.464	4.428	4.476	4.401	4.417	4.467	4.538	4.347	4.175	4.467	4.741
1420300	at	NA	AV379247	NA	NA		3.788	3.728	3.897	3.760	3.839	3.817	3.791	3.722	3.774	3.828	4.000	3.799	3.776	3.806	3.737	3.760	4.040	3.846	3.880	3.827	3.813	3.778	3.842	3.763
1420301	at	AA414903	AA414903	Mm.270881	9		5.138	4.715	4.795	4.869	4.757	4.584	4.870	4.773	4.794	4.778	4.814	4.873	4.780	4.777	4.793	4.792	4.857	4.747	4.590	4.732	4.822	5.024	4.710	4.885
1420302	at	AA414903	AA414903	Mm.270881	9		5.359	5.594	5.431	5.555	5.666	5.490	5.531	5.838	5.401	5.815	5.527	5.820	5.589	5.604	5.651	5.460	5.533	5.465	5.535	5.546	5.555	5.537	5.545	5.405
1420303	x at	NA	AV128236	NA	NA		6.015	5.684	5.90	6.277	5.894	5.928	6.361	6.029	5.66	5.774	5.795	6.016	5.971	5.714	5.925	6.083	6.150	6.023	6.177	6.233	6.303	6.393	6.393	6.393
1420304	x at	NA	AV128236	NA	NA		11.269	11.141	11.165	11.236	11.270	11.126	11.159	11.170	11.317	11.188	11.183	11.106	11.112	11.134	11.092	11.128	11.077	11.193	11.044	10.901	10.927	10.992	10.961	10.961
1420305	at	NA	T25652	NA	NA		3.864	3.901	3.764	4.059	3.836	3.817	3.889	3.793	3.806	3.728	3.922	3.811	3.932	3.651	3.682	3.930	3.674	4.073	3.807	4.016	3.935	3.788	3.791	3.805
1420307	a at	Pitnrb	BG975479	Mm.200516	5		9.210	9.335	9.667	9.660	9.318	9.777	9.281	8.351	9.024	9.251	9.038	8.899	9.154	9.379	9.331	9.740	8.726	8.997	9.478	9.561	8.951	8.286	9.796	9.765
1420310	at	NA	BG083989	NA	NA		4.209	4.255	4.050	4.319	4.287	4.090	4.351	4.203	4.163	4.051	4.142	4.189	4.242	4.197	4.272	4.332	4.171	4.097	4.228	4.083	4.119	4.127	4.102	4.047
1420311	s at	NA	BG086638	NA	NA		5.444	5.122	5.612	5.470	5.303	5.586	5.566	5.280	5.419	5.544	5.547	5.168	5.149	5.330	5.554	5.402	5.366	5.628	5.386	5.376	5.377	5.294	5.493	5.614
1420312	s at	NA	BG086638	NA	NA		5.418	5.569	5.147	5.564	6.307	5.646	5.327	5.104	5.434	5.560	5.218	5.346	5.416	4.924	4.891	5.164	5.177	4.858	4.758	5.883	5.256	5.637	6.132	5.765
1420313	x at	NA	BG086638	NA	NA		3.927	4.142	4.153	4.122	3.960	4.160	4.043	3.970	4.259	4.088	4.049	4.093	4.088	3.822	3.907	3.873	3.836	4.167	3.852	3.983	4.028	4.090	4.280	4.055
1420318	at	NA	AA139561	NA	NA		7.092	6.688	7.003	7.166	7.096	7.041	6.928	7.020	6.934	7.001	6.582	7.036	6.901	6.913	6.832	7.263	6.877	7.127	7.125	7.047	7.007	6.963	7.134	7.054
1420321	at	Rsdal1	AA537359	Mm.342275	11		4.445	4.123	4.142	4.240	4.259	4.109	4.290	4.225	4.114	4.059	4.166	4.209	4.307	4.173	4.079	4.289	4.228	4.251	4.244	4.206	4.304	4.320	4.421	4.154
1420325	at	Cramp1l	AI256853	Mm.328854	17		5.648	5.355	5.309	5.232	5.519	5.376	5.324	5.653	5.554	5.203	5.295	5.335	5.369	5.423	5.372	5.366	5.593	5.261	5.464	5.573	5.533	5.547	5.298	5.287
1420326	s at	Cramp1l	AI256853	Mm.328854	17		8.888	8.938	9.081	9.097	8.891	9.152	9.019	9.017	9.004	9.058	9.214	9.189	9.237	9.049	9.154	9.035	8.907	9.006	8.971	9.014	9.182	9.370	9.374	8.975
1420328	at	2210417D09Rik	NM 025620	Mm.45888	6		6.793	6.537	6.681	6.832	6.724	6.533	6.618	6.910	6.769	6.929	6.680	6.873	7.020	6.715	6.610	6.645	6.549	6.778	6.761	6.916	6.924	6.664	6.662	6.748
1420329	at	4934055C21Rik	NM 024273	Mm.132321	16		9.722	9.906	9.506	9.468	9.979	9.646	10.173	9.745	9.736	9.824	9.882	9.854	9.551	9.460	9.682	9.390	9.366	10.029	10.064	9.893	9.594	9.717	9.633	9.953
1420330	at	NA	NM 019948	Mm.248327	6		6.317	6.630	5.953	6.105	6.137	6.331	6.231	5.920	6.504	6.231	7.586	5.803	6.083	7.203	5.696	5.754	5.802	5.697	5.736	5.630	5.530	5.586	6.076	6.169
1420331	at	NA	NM 019948	Mm.248327	6		4.904	4.753	4.843	4.793	4.595	4.783	4.810	4.767	4.806	4.708	5.040	4.680	4.793	5.065	4.818	4.912	4.727	4.682	4.788	4.981	4.811	4.620	4.869	4.786
1420332	x at	Lxclid	NM 027137	Mm.176243	3		5.725	5.278	5.821	5.590	5.659	5.930	5.989	5.342	5.427	5.468	5.797	5.318	5.510	5.681	5.912	5.741	5.596	5.701	5.803	5.845	5.497	5.331	5.750	5.741
1420333	at	Txndc8	NM 026132	Mm.87357	4		6.991	6.719	6.921	6.727	6.731	6.936	6.796	6.906	6.786	6.650	7.105	6.805	6.751	6.840	6.898	6.909	6.790	6.771	6.918	7.046	6.925	6.777	6.623	6.940
1420334	at	Slc12a8	NM 134251	Mm.35253	16		6.867	6.696	6.900	6.834	6.844	6.697	6.545	6.689	6.940	6.764	6.900	6.719	6.691	6.622	6.736	6.575	6.661	6.659	6.718	6.810	6.809	6.611	6.732	6.716
1420335	at	Dmc1	D58419	Mm.2524	15		5.633	5.464	5.718	5.705	5.471	5.587	5.615	5.782	5.605	5.452	5.501	5.613	5.578	5.587	5.641	5.591	5.839	5.659	5.602	5.644	6.090	5.701	5.810	5.938
1420336	at	Adamtsf5	NM 025629	Mm.71891	10		8.338	9.025	8.141	8.214	8.837	8.019	8.364	8.498	8.981	9.132	8.844	9.075	8.931	8.624	8.636	8.214	8.292	8.564	8.499	8.356	8.335	8.805	8.082	8.422
1420337	at	Gbw2	NM 020730	Mm.204730	1		4.701	4.501	4.566	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476	4.476
1420338	at	NA	L34570	Mm.45815	10		7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450	7.450
1420339	at	NA	NM 133771	Mm.311874	7		7.811	7.515	7.838	7.739	7.370	7.825	7.738	7.425	7.252	7.478	7.858	7.170	7.198	7.620	7.629	8.062	7.327	7.811	7.860	7.767	7.450	7.511	7.865	8.028
1420340	at	Csnp1	NM 026493	Mm.244046	1		4.753	4.699	4.703	4.699	4.733	4.871	4.807	4.555	4.699	4.898	4.887	4.478	4.734	4.827	4.882	4.661	4.715	4.549	4.682	4.819	4.666	4.513	4.746	4.605
1420341	at	Tmco5	NM 026104	Mm.131623	2		6.253	6.211	6.475	6.257	6.077	6.012	6.269	6.196	6.059	5.840	6.207	6.058	6.251	6.171	6.157	6.300	6.252	6.288	6.155	6.317	6.251	6.165	6.255	6.337
1420342	at	Gdap10	NM 010268	Mm.440246	12		10.638	9.853	10.916	11.107	10.423	11.385	10.932	9.384	8.591	9.127	8.822	9.702	9.535	9.893	9.698	10.878	11.074	10.777	10.623	11.145	10.555	11.171	10.642	11.386
1420343	at	Gzmd	NM 010372	Mm.378932	14		4.029	3.680	4.043	3.931	3.764	4.045	3.866	3.881	3.909	3.835	4.146	3.759	3.787	3.796	3.877	4.141	3.940	3.853	4.024	4.182	3.828	4.220	4.027	4.057
1420344	x at	Gzmd	NM 010372	Mm.378932	14		3.858	3.725	4.278	3.860	3.801	3.956	3.738	3.751	3.604	3.823	3.869	3.644	3.905	3.717	3.966	3.908	3.738	4.202	3.939	4.143	3.788	3.743	3.933	3.805
1420345	at	Cten14	AK010394	Mm.28549	16		5.430	5.395	5.955	5.493	5.437	5.612	5.507	5.381	5.607	5.430	5.582	5.803	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582
1420346	at	Asb12	NM 080588	Mm.79122	X		7.823	8.006	7.927	7.737	7.634	7.927	8.024	7.944	7.858	7.716	7.462	7.766	7.626	7.826	7.886	7.732	8.227	8.361	8.269	8.337	8.112	8.135	7.816	7.985
1420347	at	Plunc	NM 011126	Mm.268852	2		4.929	4.956	5.198	5.366	5.303	5.035	4.941	4.974	5.072	4.945	5.045	4.995	5.225	5.081	4.909	5.051	4.955	4.907	5.048	5.236	5.231	5.187	5.067	5.133
1420348	at	Lhx2	NM 008499	Mm.5151	5		5.689	5.180	5.552	5.434	5.223	5.366	5.395	5.206	5.187	5.266	5.356	5.504	5.104	5.242	5.231	5.272	5.476	5.232	5.360	5.486	5.373	5.655	5.501	5.512
1420349	at	Ptfr	NM 008966	Mm.331442	3		6.738	5.775	6.655	6.850	5.918	6.589	6.463	6.058	6.005	5.920	5.922	6.203	6.345	6.316	6.333	6.533	6.744	6.735	6.419	6.283	6.539	6.619	6.139	6.237
1420350	at	Lcclat2	NM 028625	Mm.279753	3		7.365	7.035	7.409	7.448	7.288	7.314	7.379	7.245	7.225	7.112	7.122	7.096	7.348	7.437	7.401	7.399	7.030	7.311	7.357	7.563	7.043	7.253	7.450	7.489
1420351	at	Tnfrsf4	NM 011659	Mm.13885	3		8.881	8.737	8.756	8.909	8.680	8.709	8.788																	

1420400	at	Sval1	NM	027832	Mm.96996	6	4.586	4.927	4.876	4.882	4.937	4.751	4.966	4.953	4.819	4.908	5.004	4.789	4.801	4.863	4.783	4.922	4.970	4.936	4.815	5.087	4.992	5.037	5.052	5.083	
1420401	a at	Ramp3	NM	019511	Mm.39884	11	8.613	8.140	8.551	8.403	8.442	8.300	8.360	8.662	8.153	8.314	8.848	8.603	8.545	8.299	8.561	8.625	8.259	8.565	8.263	8.513	8.799	8.603	8.916	8.598	
1420402	at	At2b2	NM	009723	Mm.321755	6	5.425	5.583	5.533	5.679	5.368	5.433	5.467	5.462	5.242	5.272	5.618	5.357	5.538	5.354	5.622	5.458	5.446	5.734	5.545	6.031	5.472	5.311	5.366	5.564	
1420403	at	At2b2	NM	009723	Mm.321755	6	6.767	6.458	6.768	6.613	6.472	6.690	6.549	6.664	6.702	6.499	6.769	6.424	6.650	6.617	6.520	6.438	6.730	6.728	6.586	6.695	6.830	6.642	6.861	6.785	
1420404	at	Cdrl5	NM	013989	Mm.1452	16	7.584	7.391	7.418	7.639	7.760	7.598	7.721	7.694	7.872	7.647	8.029	7.660	7.671	7.900	7.568	7.437	7.516	7.418	7.550	7.365	7.657	7.385	7.531	7.437	
1420405	at	Slic1a4	NM	030687	Mm.255586	6	8.088	7.440	7.958	7.957	7.980	8.018	7.908	7.801	7.781	8.060	7.891	7.795	8.063	8.032	8.024	8.024	8.228	8.137	8.322	8.134	8.234	7.850	7.984	7.850	
1420406	at	Pea12	NM	031788	Mm.422745	7	3.981	4.216	3.915	3.924	3.906	3.981	4.118	4.153	4.213	4.169	4.303	4.117	4.092	4.297	4.054	3.931	3.960	3.822	3.996	4.061	3.844	4.010	3.896	3.904	
1420407	at	Ltb4r1	NM	008519	Mm.20853	14	6.477	6.626	6.138	6.186	6.067	6.123	5.999	6.265	6.229	6.297	6.134	6.329	6.070	6.511	6.113	6.180	6.133	6.100	6.043	6.054	6.359	6.086	5.991	6.122	
1420408	a at	Abcc9	NM	021043	Mm.35670	6	10.689	9.577	11.363	11.191	10.096	11.177	10.951	9.728	8.529	9.588	9.811	9.488	9.400	9.816	10.252	11.442	10.858	10.700	11.168	11.320	10.772	10.893	11.439	11.536	
1420409	at	Krt5a	NM	016880	Mm.37952	11	5.784	5.443	5.761	5.652	5.648	5.868	5.729	5.780	5.605	5.496	5.865	5.476	5.649	5.707	5.660	5.945	5.713	5.766	5.830	5.945	5.677	5.673	5.725	5.687	
1420410	at	Nr5a2	NM	030676	Mm.16794	1	6.972	6.953	6.792	6.993	6.977	6.865	6.789	7.017	7.219	6.965	7.216	6.991	6.968	7.316	6.964	6.926	6.994	6.885	6.959	7.075	6.753	6.689	6.639	6.641	
1420411	a at	Pik42b	NM	028744	Mm.248647	5	4.336	5.001	4.292	4.168	4.265	4.542	4.343	4.175	4.563	4.708	4.357	4.393	4.557	4.803	4.743	4.406	4.078	4.192	4.343	4.322	4.151	4.054	4.339	4.285	
1420412	at	Trif510	NM	009425	Mm.1062	3	6.125	5.963	6.043	6.115	6.087	5.908	6.360	6.141	6.046	5.797	6.380	6.090	6.297	6.294	6.158	6.065	6.264	6.021	6.327	6.409	6.607	6.181	5.990	5.968	
1420413	at	Sic7a11	NM	011990	Mm.260988	3	5.500	5.094	5.326	5.328	5.335	5.284	5.444	5.372	5.280	5.325	5.509	5.207	5.217	5.263	5.349	5.388	5.298	5.394	5.368	5.487	5.191	5.333	5.485	5.287	
1420414	at	Hoxa11	NM	010450	Mm.26954	6	5.964	5.873	5.978	5.890	5.797	6.157	5.859	5.882	5.846	5.760	6.035	5.905	5.957	5.961	5.752	5.776	5.861	5.945	5.803	6.207	5.846	5.807	6.066	6.098	
1420415	at	AY026312	NM	133359	Mm.188445	16	5.760	5.645	5.869	5.751	5.710	5.760	5.660	5.772	6.010	5.755	5.787	5.704	5.775	5.846	5.696	5.751	5.913	5.640	5.770	6.308	5.792	5.650	5.792	5.736	
1420416	at	Sema3a	NM	009152	Mm.372039	5	5.769	7.306	7.225	7.316	7.312	7.247	7.344	7.495	7.232	7.228	7.294	7.167	7.344	7.286	7.419	7.332	7.419	7.177	7.443	7.421	7.443	7.320	7.242	7.319	
1420417	at	Sema3a	NM	009152	Mm.372039	5	4.304	4.297	4.302	4.078	4.303	4.348	4.186	4.228	4.252	4.232	4.354	4.238	4.038	4.188	4.291	4.049	4.271	4.178	4.405	4.435	4.340	4.363	4.217	4.213	
1420418	at	Svt2	NM	009307	Mm.5102	1	6.393	6.174	6.322	6.243	6.118	6.228	6.278	6.222	6.067	5.923	6.246	5.998	6.127	5.973	5.969	6.201	6.147	6.140	6.111	5.954	6.352	6.151	6.221	6.201	
1420419	a at	Otof	NM	031875	Mm.244502	5	7.638	7.297	7.336	7.369	7.429	7.406	7.322	7.550	7.541	7.489	7.665	7.514	7.499	7.602	7.272	7.505	7.315	7.460	7.508	7.640	7.700	7.459	7.468	7.634	
1420420	at	Hao1	NM	010403	Mm.26634	2	4.819	4.568	4.861	4.871	4.718	4.791	4.897	4.771	5.087	4.843	4.222	4.876	4.882	4.882	5.014	4.833	4.856	4.859	5.002	5.084	4.870	4.822	5.127	4.879	
1420421	s at	Klr1b1	NM	008526	Mm.14489	6	5.513	5.504	5.754	5.584	5.459	5.742	5.755	5.565	5.578	5.469	5.683	5.495	5.500	5.391	5.446	5.615	5.426	5.499	5.530	5.491	5.559	5.446	5.468	5.512	
1420422	at	Pcshb21	NM	053146	Mm.348053	18	6.951	6.945	7.068	7.036	7.146	6.777	7.213	7.203	7.652	7.390	7.163	7.485	7.515	7.232	7.177	7.261	7.157	7.213	6.987	7.033	6.856	7.352	6.693	6.786	
1420423	at	Tcl1b4	NM	013774	Mm.103652	12	7.835	7.428	7.524	7.621	7.501	7.593	7.557	7.465	7.599	7.601	7.679	7.505	7.636	7.612	7.610	7.601	7.518	7.600	7.621	7.621	7.628	7.477	7.661	7.602	
1420424	at	1700054O13Rik	NM	026096	Mm.46146	X	4.964	5.219	4.947	5.164	5.038	5.250	4.968	5.065	5.090	5.208	5.164	5.023	5.120	5.360	4.968	4.983	5.199	5.192	5.256	4.918	5.287	5.113	5.266	5.314	
1420425	at	Pdrlm1	NM	007548	Mm.4800	10	7.479	7.014	7.507	7.541	7.141	7.360	7.553	7.509	7.490	7.553	7.704	7.497	7.732	7.739	7.689	7.457	7.412	7.758	7.673	7.521	7.471	7.430	7.388	7.505	
1420426	at	Myo10	NM	030539	Mm.145093	18	6.306	6.272	6.309	6.246	6.426	6.646	6.556	6.476	6.975	6.504	6.415	6.642	6.525	6.895	6.479	6.448	6.835	6.520	6.838	6.585	6.585	6.456	6.456	6.855	
1420427	at	Dhr12	NM	133941	Mm.199223	7	10.479	10.564	10.315	10.023	10.265	11.960	11.303	10.442	10.424	10.445	10.489	10.520	10.303	10.413	10.417	10.417	10.282	10.219	10.207	10.027	10.014	10.271	10.664	9.996	10.068
1420428	at	Aqr	NM	007425	Mm.3383	7	7.196	6.906	6.952	7.202	7.061	6.924	6.979	7.134	7.037	7.024	7.219	7.016	6.969	6.971	6.979	7.160	7.068	7.050	7.064	7.031	7.117	7.097	7.072	7.109	
1420429	at	Pcshb23	NM	053128	Mm.82308	18	5.198	5.277	5.333	5.016	5.522	5.067	4.967	5.386	5.398	5.661	5.504	5.314	5.650	5.397	5.574	5.171	5.056	5.459	5.064	5.125	5.300	5.491	5.422	5.418	
1420430	a at	2510048L02Rik	NM	025977	Mm.154305	9	6.929	7.026	6.936	6.901	7.126	6.683	6.793	6.918	7.273	7.017	6.439	7.221	7.009	6.693	6.786	6.746	6.901	7.141	6.568	6.751	6.656	7.025	6.682	6.630	
1420431	at	Rptn	NM	009100	Mm.1417	3	4.562	4.668	4.520	4.482	4.435	4.430	4.508	4.509	4.417	4.535	4.560	4.421	4.407	4.491	4.465	4.454	4.638	4.396	4.721	4.676	4.615	4.819	4.576	4.431	
1420432	at	Tas1r1	NM	031867	Mm.29232	4	7.339	7.218	7.255	7.195	7.242	7.102	7.282	7.301	7.327	7.108	7.428	7.160	7.202	7.220	7.180	7.339	7.092	7.192	7.285	7.434	7.204	7.204	7.224	7.319	
1420433	at	Taf1r1	AF285574	Mm.103259	X	5.135	5.042	5.062	5.007	5.068	5.085	5.241	5.139	4.984	4.999	5.067	4.867	4.864	5.107	5.070	5.046	5.075	5.071	5.149	5.264	4.861	4.981	5.201	5.172	5.172	
1420434	at	Gcm2	NM	029084	Mm.129054	16	6.998	6.272	6.896	6.981	6.426	6.846	6.756	6.946	6.975	6.804	6.415	6.642	6.925	6.895	6.479	6.448	6.835	6.520	6.838	6.585	6.585	6.456	6.456	6.855	
1420435	at	1700011A15Rik	NM	025487	Mm.158111	15	7.968	7.813	7.853	7.917	7.857	7.702	7.795	8.123	7.892	7.723	7.902	7.851	7.958	7.893	7.871	7.814	7.808	7.882	7.966	7.802	7.845	8.040	7.836	7.825	
1420436	x at	Tex21	AB000682	Mm.78551	12	5.184	4.661	4.902	4.991	4.852	5.107	5.033	5.167	4.899	4.863	5.185	4.904	4.902	5.064	5.166	5.107	5.046	4.958	5.011	5.112	5.144	4.785	5.007	5.007	5.007	
1420437	at	Indo	NM	008324	Mm.392	8	6.505	6.169	6.487	6.467	6.326	6.499	6.762	6.553	6.449	6.170	6.544	6.250	6.169	6.608	6.398	6.659	6.431	6.643	6.433	6.680	6.536	6.602	6.717	6.604	
1420438	at	Orm2	NM	011016	Mm.14173	4	4.122	4.071	3.929	4.193	3.997	4.087	3.938	3.962	4.192	3.871	4.142	4.037	4.102	4.166	4.101	4.084	4.005	4.014	4.060	4.186	4.118	3.979	4.044	4.076	
1420439	at	Tsx	NM	009440	Mm.358644	X	4.654	4.518	4.433	4.618	4.603	4.394	4.281	4.503	4.367	4.263	4.394	4.440	4.628	4.648	4.485	4.487	4.440	4.413	4.414	4.447	4.484	4.398	4.471	4.415	

1420489	at	Mrs14	BI246587	Mm.29599	1	11.977	12.084	11.906	11.944	11.958	11.975	12.025	12.157	12.029	11.976	11.948	12.176	11.981	11.995	11.760	11.943	12.241	12.134	12.009	12.053	12.112	12.134	11.775	11.732	
1420490	at	Kkl1b16	NM 008454	Mm.440887	7	4.819	4.837	4.859	4.944	5.004	4.716	4.849	5.138	4.817	4.701	4.905	4.787	5.056	4.968	4.886	4.829	4.811	5.117	5.050	4.916	4.911	4.746	5.070	4.898	
1420491	at	Elf2s1	BC016497	Mm.196220	12	5.065	4.850	4.940	4.842	4.842	4.847	4.895	4.985	4.790	4.725	4.781	4.760	4.600	4.795	4.636	4.894	4.954	4.754	4.893	4.905	5.076	4.985	4.900	4.948	
1420492	s at	Smr3a	NM 011422	Mm.261199	5	5.462	4.884	5.328	5.196	5.009	5.149	5.251	5.180	5.190	4.837	5.278	5.151	5.127	5.080	5.090	5.136	5.134	5.141	5.177	5.453	5.215	5.079	5.323	5.214	
1420493	a at	Pcy12	NM 021229	Mm.21439	11	9.235	9.327	9.403	9.451	9.221	9.326	9.258	9.103	9.435	9.359	9.436	9.143	9.245	9.060	9.452	9.500	9.826	9.589	9.600	9.489	9.445	9.413	9.493	9.453	
1420494	x at	Ubc	BC006680	Mm.331	5	13.049	12.646	13.042	13.042	12.905	12.792	12.962	12.780	12.890	12.877	13.159	12.636	12.411	12.601	12.537	12.935	13.007	12.840	12.027	12.617	12.941	12.809	12.977	12.878	
1420495	a	Vps26a	NM 133672	Mm.260703	10	11.781	11.556	11.844	11.838	11.551	11.731	11.485	11.545	11.441	11.633	11.277	11.594	11.577	11.447	11.468	11.795	11.777	11.616	11.628	11.640	11.710	11.855	11.937	11.577	
1420496	at	F12	NM 021489	Mm.42224	13	6.382	6.336	6.333	6.170	6.293	6.151	6.349	6.271	6.124	6.312	6.321	6.339	6.282	6.166	6.280	6.348	6.330	6.382	6.371	6.464	6.448	6.417	6.317	6.569	
1420497	a at	Cebpz	NM 009882	Mm.24169	17	9.000	8.910	8.708	8.659	8.538	8.576	8.618	8.840	8.642	8.576	8.929	8.812	8.667	8.567	8.625	8.727	9.073	8.892	8.779	8.639	9.047	9.274	8.879	8.839	
1420498	a at	Dab2	NM 023118	Mm.240830	15	10.877	11.826	10.853	11.027	10.940	11.208	11.072	10.808	11.540	11.464	11.140	10.863	11.011	12.037	10.911	10.863	10.229	10.375	10.848	10.475	10.163	10.199	10.791	10.710	10.710
1420499	at	Gch1	NM 008102	Mm.10651	14	8.399	8.661	8.300	8.157	7.991	7.879	8.264	8.366	8.250	8.157	8.975	8.157	7.906	8.126	7.877	8.089	8.458	8.341	7.835	7.854	8.316	8.497	8.028	8.230	
1420500	at	Dnaic1	NM 007869	Mm.246674	2	9.326	9.368	9.129	9.098	9.260	8.906	8.792	9.446	9.407	9.292	9.029	9.377	9.313	9.063	9.138	8.951	9.214	9.021	8.780	8.584	9.069	9.501	8.932	8.988	
1420501	at	Dnaic1	NM 007869	Mm.246674	2	8.648	8.810	8.604	8.486	8.579	8.571	8.578	8.625	8.694	8.629	8.671	8.600	8.722	8.632	8.507	8.541	8.337	8.454	8.259	8.367	8.558	8.618	8.471	8.471	
1420502	at	Sat1	NM 009121	Mm.2734	X	9.506	10.043	9.298	9.154	9.270	9.553	9.327	9.670	10.424	10.282	10.327	9.961	10.171	10.039	9.868	9.366	9.031	8.987	9.328	8.832	8.994	9.332	9.181	9.365	
1420503	at	Slc6a14	AF320226	Mm.253984	X	5.621	5.240	5.221	5.272	5.268	5.255	5.259	5.279	5.413	5.352	5.295	5.277	5.292	5.429	5.302	5.172	5.215	5.084	5.266	5.269	5.434	5.218	5.396	5.300	
1420504	at	Slc6a14	AF320226	Mm.253984	X	3.670	3.652	3.798	3.626	3.656	3.602	3.624	3.689	3.586	3.717	3.555	3.554	3.575	3.634	3.651	3.588	3.636	3.672	3.883	3.665	3.649	3.338	3.530	3.652	
1420505	a at	Stxbp1	AF326545	Mm.278865	2	9.481	10.155	9.536	9.684	10.092	9.989	10.045	9.623	10.241	10.332	9.922	9.960	9.994	9.924	9.876	9.515	9.557	9.537	9.520	9.498	9.231	9.316	9.526	9.382	
1420506	a at	Stxbp1	AF326545	Mm.278865	2	6.333	6.329	6.105	6.256	6.263	6.355	6.420	6.543	6.388	6.433	6.210	6.415	6.490	6.289	6.468	6.018	6.476	6.393	6.104	6.231	6.472	6.099	6.137	6.223	
1420507	a at	Sfrs12p1	NM 026075	Mm.125465	13	8.486	8.607	8.523	8.360	8.366	8.402	8.557	8.542	8.126	8.423	8.183	8.361	8.185	8.157	8.220	8.507	8.472	8.498	8.539	8.469	8.328	8.617	8.593	8.409	
1420508	at	Sema3f	BC010976	Mm.12903	9	7.470	7.455	7.271	7.020	7.195	6.976	6.956	7.332	7.462	7.402	7.815	7.069	7.233	7.345	7.233	7.208	8.855	7.054	6.959	7.009	6.996	7.050	7.373	7.179	
1420509	at	Sfrbp1	BB041813	Mm.100617	18	8.001	7.833	7.856	7.734	7.739	7.854	7.838	7.658	7.734	7.861	8.221	7.863	7.720	7.889	7.924	7.989	7.596	7.863	7.844	7.920	7.882	7.840	7.955	7.981	
1420510	at	Sfrbp1	BB041813	Mm.100617	18	8.210	8.085	8.224	8.119	8.080	8.327	8.340	7.930	8.005	8.206	8.291	8.103	8.114	8.107	8.229	8.160	8.055	8.198	8.248	8.355	8.061	8.238	8.454	8.350	
1420511	at	Prph2	NM 008938	Mm.291370	17	4.627	4.762	4.652	5.090	4.835	4.724	4.875	4.742	4.816	4.741	4.822	4.858	4.892	4.867	4.732	4.867	4.899	5.023	4.943	4.850	5.034	4.823	4.886	4.851	
1420512	at	Dkk2	NM 020265	Mm.103593	3	5.091	5.473	5.059	4.973	4.731	5.284	4.926	5.062	5.645	5.350	4.976	5.282	4.932	5.260	5.127	4.952	5.119	5.226	5.239	4.947	5.130	4.919	4.922	5.019	
1420513	at	Elfab2	BC025062	Mm.252132	1	10.282	9.370	10.150	10.125	9.690	10.102	10.183	9.901	8.697	9.938	9.915	9.158	9.265	8.894	9.248	10.217	10.695	10.454	10.211	10.142	10.549	10.619	10.224	10.116	
1420514	at	Tmem47	NM 138751	Mm.297197	X	9.262	8.487	9.138	8.733	8.131	8.701	8.741	8.494	7.779	8.188	8.274	7.822	7.952	8.091	8.380	9.050	8.751	8.187	8.395	8.344	8.745	8.882	8.669	8.962	
1420515	a at	Ptmvpr2	NM 021319	Mm.297197	17	5.538	5.512	5.182	5.192	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	5.538	
1420516	at	Ptmvpr2	NM 021319	Mm.297197	2	5.462	5.313	5.175	5.233	5.313	5.251	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	5.341	5.255	
1420517	at	Chmp4c	BF1695311	Mm.366147	3	5.663	6.137	6.266	6.319	5.563	6.059	6.079	6.448	5.905	6.298	6.228	6.466	6.089	5.984	6.691	6.389	6.154	6.049	6.074	6.149	5.934	6.172	6.089	6.340	
1420518	a at	Iqsf9	AF317839	Mm.214530	1	5.697	5.644	5.602	5.852	5.539	5.542	5.553	5.732	5.727	5.721	5.738	5.629	5.707	5.649	5.582	5.585	5.883	5.485	5.649	5.626	5.649	5.650	5.650	5.623	
1420519	a at	Eral1	NM 022313	Mm.21096	11	8.034	7.684	7.944	7.864	7.723	8.085	7.976	7.392	7.423	7.569	7.163	7.693	7.484	7.560	7.330	7.968	7.930	8.094	8.109	8.010	7.862	7.753	7.998	8.147	
1420520	x at	Eral1	NM 022313	Mm.21096	11	9.539	9.177	9.518	9.560	9.251	9.521	9.520	9.034	8.970	9.162	9.513	9.250	9.069	9.088	9.275	9.500	9.468	9.651	9.545	9.604	9.404	9.346	9.488	9.574	
1420521	at	Paoln	BC005747	Mm.133443	12	5.740	5.514	5.543	5.747	6.137	5.751	5.648	6.362	5.835	5.592	5.975	6.069	5.907	5.846	5.704	5.562	5.732	5.836	5.698	5.602	5.737	5.848	5.792	5.576	
1420522	at	Ccdc50	NM 026202	Mm.258985	16	7.799	8.064	7.901	7.602	7.675	7.430	7.651	7.520	7.886	7.909	7.985	7.870	7.725	7.853	7.715	7.688	7.059	7.361	7.475	7.406	7.345	7.388	7.753	7.652	
1420523	at	Ccdc50	NM 026202	Mm.258985	12	7.329	7.947	7.455	7.737	7.098	7.853	7.632	7.606	7.646	7.768	7.962	7.929	7.889	7.820	7.844	7.544	7.644	7.637	7.756	7.733	7.667	7.731	7.801	7.862	
1420524	a at	Masp2	NM 010767	Mm.378962	4	6.856	6.565	6.738	6.798	6.784	6.645	6.727	6.924	6.661	6.621	6.893	6.567	6.571	6.781	6.711	6.845	6.816	6.800	6.765	6.774	6.893	6.932	6.856	6.877	
1420525	a at	Otc	NM 008769	Mm.2611	X	4.795	4.678	4.784	4.762	4.923	4.804	4.810	4.822	4.911	4.648	4.735	4.639	4.779	4.918	4.730	4.748	4.785	5.025	4.804	4.825	4.851	4.886	4.926	4.842	
1420526	at	Dcbid2	NM 028523	Mm.373589	16	8.192	8.240	8.066	8.091	8.313	8.014	8.128	7.882	8.477	8.431	8.156	8.111	8.289	8.226	8.259	8.101	7.936	8.003	8.132	8.063	7.955	7.637	8.099	8.040	
1420527	s at	Tcp10b	NM 011553	Mm.425989	17	5.990	6.137	5.862	5.866	5.978	5.873	6.048	6.116	5.980	5.856	6.126	6.038	6.003	6.213	5.816	6.051	6.121	5.987	6.220	6.120	6.119	5.869	6.172	5.895	
1420528	at	Gpaf1	NM 026367	Mm.138321	1	7.129	6.949	6.913	6.904	7.036	6.915	6.925	7.131	6.850	6.760	7.173	7.094	7.000	7.034	6.948	6.890	6.856	6.925	7.037	7.086	6.983	6.943	7.049	6.918	
1420529	at	Dpfl	AW553317	Mm.101885	7	6.703	6.473	6.692	6.577	6.599																				

1420578	at	Optc	NM	054076	Mm.59985	1	6.835	6.783	7.062	6.866	6.956	6.998	6.821	7.232	6.864	6.609	6.954	6.947	6.843	6.867	7.074	6.985	6.764	6.939	6.805	7.085	6.877	6.925	7.058	6.931	
1420579	s at	Cftr	NM	021050	Mm.15621	6	4.336	4.199	4.338	4.213	4.253	4.235	4.174	4.379	4.302	3.894	4.439	4.254	4.197	4.210	4.193	4.324	4.255	4.389	4.214	4.262	4.123	4.021	4.204	4.047	
1420580	at	4930429B21Rik	NM	026249	Mm.435324	3	6.655	6.023	6.806	6.744	6.533	6.680	6.853	6.627	6.398	6.374	6.710	6.453	6.742	6.626	6.728	6.686	6.657	6.508	6.604	6.900	6.742	6.606	6.760	6.803	
1420581	at	Gpr143	U63918	Mm.5157	X	7	7.118	6.749	6.993	6.988	6.677	6.879	7.025	6.808	6.634	6.660	6.864	6.692	6.922	6.925	6.999	6.936	6.895	7.056	6.934	7.084	7.077	6.906	6.943	7.227	
1420582	at	Cdrt209e	AF373412	Mm.52281	8	5.867	5.159	5.562	5.687	5.321	5.796	5.850	5.514	5.452	5.552	5.677	5.396	5.406	5.640	5.815	5.855	5.821	5.815	5.789	6.039	5.877	5.862	5.807	5.814		
1420583	a at	Nr1	NM	013646	Mm.738450	9	9.761	9.274	9.837	9.843	9.805	9.491	9.332	9.840	9.264	10.147	10.018	9.343	9.907	9.814	9.559	9.840	9.559	9.814	9.671	9.671	9.840	9.773	9.877	9.876	
1420584	at	Pla2a2c	NM	008668	Mm.5189	4	8.496	7.969	8.425	8.282	8.090	8.233	8.343	8.222	8.048	7.926	8.098	8.066	8.157	8.120	8.236	8.381	8.424	8.317	8.413	8.409	8.375	8.342	8.317	8.181	
1420585	a at	Nxf2	NM	031259	Mm.103155	X	4	6.992	6.697	7.157	7.067	6.725	6.858	6.987	6.655	6.896	6.804	7.077	6.844	6.632	6.737	6.913	6.827	6.706	6.836	6.944	7.046	6.951	6.917	6.899	6.891
1420586	at	2900054J07Rik	NM	028402	Mm.53849	13	5.961	5.776	5.880	6.052	6.066	5.848	5.907	5.914	6.019	5.962	5.833	5.888	6.075	6.010	6.013	5.878	6.120	5.740	5.876	5.949	5.984	5.709	6.009	6.002	
1420587	at	Tsqa13	NM	054073	Mm.207048	6	6.058	5.752	6.342	6.130	6.045	6.115	6.298	6.130	6.249	6.143	6.273	5.968	6.266	6.226	6.150	6.108	6.033	6.071	6.162	6.413	6.067	6.228	6.201	6.221	
1420588	at	Spinlw1	NM	029325	Mm.159533	2	6.573	6.447	6.624	6.800	6.135	6.357	6.465	6.430	6.679	6.374	6.730	6.437	6.581	6.420	6.450	6.666	6.445	6.361	6.609	6.460	6.574	6.454	6.615	6.437	
1420589	at	Hs4	NM	008217	Mm.56986	8	6.284	6.226	6.255	6.557	6.132	6.497	6.448	6.292	6.103	6.079	6.418	6.461	6.257	6.551	6.400	6.464	6.659	6.708	6.705	6.599	6.803	6.440	6.229	6.489	
1420590	at	Has1	NM	008215	Mm.255701	17	8.014	7.331	7.679	7.608	7.412	7.624	7.494	7.597	7.565	7.450	8.323	7.557	7.471	7.584	7.538	7.695	7.502	7.415	7.543	7.458	7.599	7.350	7.619	7.727	
1420591	at	Gpr84	NM	030720	Mm.160369	8	6.668	6.316	6.379	6.358	6.412	6.391	6.679	6.708	6.286	6.167	7.345	6.422	6.343	6.602	6.298	6.368	6.206	6.312	6.448	6.527	6.574	6.436	6.585	6.502	
1420592	a at	Anp32e	NM	023210	Mm.218657	3	9.311	10.388	9.224	8.948	9.323	9.381	9.664	9.659	9.691	9.635	10.109	9.894	9.740	9.892	9.301	9.175	9.108	9.275	9.214	8.959	9.127	9.106	9.006	9.066	
1420593	a at	Tea3	NM	011566	Mm.6655	17	7.868	7.664	7.858	7.811	7.968	7.848	7.847	7.783	7.963	7.785	8.042	7.853	7.979	7.753	7.891	7.846	7.956	7.941	7.936	7.794	7.755	7.627	7.831	7.588	
1420594	at	Bard1	NM	007525	Mm.10764	1	5.598	5.218	5.301	5.242	5.358	5.462	5.412	5.389	5.213	5.401	5.461	5.299	5.437	5.290	5.400	5.518	5.427	5.436	5.377	5.464	5.516	5.487	5.317	5.372	
1420595	at	Dlx4	NM	007867	Mm.439766	11	7.279	6.753	7.109	7.093	6.978	7.027	7.065	7.159	6.920	6.731	7.087	6.882	6.964	7.250	7.125	7.025	7.215	7.244	7.092	7.009	7.051	6.949			
1420596	at	Cacna2	NM	007583	Mm.277338	15	7.062	6.838	7.314	7.094	6.897	6.804	7.236	7.061	6.932	6.986	7.214	6.967	7.073	6.799	7.014	7.275	7.221	7.230	6.935	7.318	7.191	7.114	7.084	7.133	
1420597	a at	Cabp2	NM	013878	Mm.443374	19	5.904	5.668	5.763	5.708	5.918	5.874	5.755	6.044	5.825	5.704	5.868	5.852	6.015	5.801	5.792	5.752	5.902	5.804	5.835	5.947	5.755	5.655	5.786	5.817	
1420598	x at	Defcr-rs2	NM	007847	Mm.422993	8	9.668	9.193	9.620	9.574	9.405	9.392	9.393	9.465	9.225	9.275	9.717	9.315	9.411	9.257	9.418	9.654	9.517	9.505	9.447	9.540	9.549	9.499	9.580	9.379	
1420599	at	2300006N05Rik	NM	020787	Mm.158279	11	5.775	5.336	5.655	5.789	5.570	5.806	5.731	5.724	5.491	5.468	5.622	5.589	5.697	5.637	5.577	5.707	5.586	5.714	5.744	5.685	5.911	5.777	5.637	5.645	
1420600	at	Tpo	NM	009417	Mm.4991	12	7.007	6.934	7.233	7.113	7.088	7.237	7.069	7.228	7.110	6.944	7.221	7.030	7.155	7.081	6.948	6.985	7.070	6.823	7.094	7.136	7.175	7.052	7.327	7.176	
1420601	at	Gcm1	NM	008103	Mm.1400	9	6.018	6.052	6.019	6.269	6.030	6.189	6.092	6.069	5.890	5.977	6.176	5.811	6.045	6.086	6.111	5.984	5.979	5.953	5.965	6.012	6.111	5.829	6.101	6.040	
1420602	a at	Exs1	NM	007957	Mm.8017	X	5	5.308	5.039	5.416	5.371	5.268	5.438	5.506	5.515	5.125	5.501	5.411	5.120	5.356	5.152	5.258	5.569	5.271	5.533	5.359	5.699	5.236	5.383	5.396	5.403
1420603	s at	Rae11a	NM	009016	Mm.458004	10	7.728	8.287	7.700	7.650	7.634	7.620	7.696	7.779	7.964	7.508	7.862	7.469	7.657	7.947	7.566	7.819	7.641	7.670	7.762	7.970	7.703	7.583	7.583	7.716	
1420604	at	Prkacb	NM	019420	Mm.16766	14	5.300	4.972	5.322	5.505	5.033	5.615	5.089	5.105	5.085	5.133	5.093	5.255	5.038	5.196	5.233	5.096	5.186	5.040	5.067	5.040	5.067	5.057	5.067	5.717	
1420605	at	Bta2	NM	016664	Mm.389897	7	7.114	6.030	6.162	6.156	6.114	6.142	6.002	5.986	5.949	6.062	5.986	6.033	6.904	6.067	6.040	5.930	6.226	6.083	6.102	6.083	6.040	5.930	6.040	5.930	
1420606	at	Npff	NM	018787	Mm.208714	15	7.681	7.618	7.756	7.707	6.770	7.643	7.502	7.880	7.770	7.650	7.784	7.622	7.634	7.635	7.593	7.711	7.824	7.818	7.650	7.628	7.749	7.937	7.775	7.822	
1420607	at	Rbm18	AV116216	Mm.205937	2	8.087	8.371	7.952	8.057	7.886	8.064	8.050	8.280	8.754	8.301	8.234	8.069	7.943	8.095	7.989	7.976	8.002	7.785	8.154	8.036	7.952	7.928	7.776	7.785		
1420608	at	Rbm18	AV116216	Mm.205937	2	8.987	10.154	10.101	9.786	9.635	9.809	9.874	9.911	10.163	10.210	9.959	9.886	9.775	9.891	10.135	9.909	9.813	9.722	9.870	9.714	9.980	10.190	9.958	10.211		
1420609	at		7-Mar	NM	020575	Mm.260635	2	9.428	9.161	9.547	9.104	9.295	9.484	9.431	9.375	9.141	9.420	9.148	9.346	9.362	9.346	9.456	9.328	9.684	9.501	9.473	9.441	9.465	9.793	9.913	9.324
1420610	at	Prkacb	AV024339	Mm.16766	3	6.364	6.595	6.238	6.486	6.484	6.519	6.240	6.220	6.158	6.174	6.018	6.300	6.325	6.413	6.257	6.432	6.312	6.060	6.290	6.251	6.249	6.242	6.351	6.433		
1420611	at	Prkacb	AV024339	Mm.16766	3	10.261	10.592	10.290	10.314	10.451	10.540	10.328	10.532	10.438	10.544	10.367	10.527	10.646	10.582	10.446	10.478	10.460	10.436	10.403	10.562	10.413	10.454	10.356	10.496		
1420612	at	Smad2	BE134116	Mm.193688	4	12.183	9.583	9.821	9.185	9.289	9.825	9.195	8.654	8.425	8.530	9.405	9.807	8.435	9.369	8.932	8.976	8.966	9.037	9.146	9.143	8.933	8.962	8.902	9.102		
1420613	at	Tp4a2	BE134116	Mm.193688	4	12.183	12.600	12.604	12.476	12.359	12.575	12.547	12.056	12.292	12.299	12.067	12.644	12.719	12.768	12.316	12.591	11.787	11.995	12.217	12.111	11.880	11.932	12.181	12.249		
1420614	at	Dynt13	NM	025975	Mm.291550	X	10	10.837	11.059	10.873	10.703	10.823	10.892	10.830	10.704	10.993	11.130	10.989	10.907	11.059	11.005	10.796	10.918	10.588	10.586	10.819	10.629	10.643	10.162	10.770	
1420615	at	Ash2l	BM207355	Mm.27706	8	8.085	7.584	8.110	8.135	7.739	8.115	8.030	7.611	7.619	7.704	7.660	7.887	7.720	7.562	7.899	8.197	8.005	8.126	8.197	8.122	8.060	8.073	8.226	8.178		
1420616	at	Ash2l	BM207355	Mm.27706	8	9.156	9.083	9.409	9.309	9.134	9.507	9.264	8.890	8.835	9.046	8.956	9.126	9.010	9.210	9.252	9.590	9.121	9.184	9.611	9.549	8.919	9.060	9.400	9.461		
1420617	at	Cpeb4	NM	026252	Mm.339792	11	10.615	10.432	10.263	10.105	10.498	10.299	10.209	10.324	9.938	10.254	10.337	9.988	10.048	10.013	10.213	10.437	9.943	9.853	10.137	10.227	10.519	10.			

1420667	at	Doc2b	BM117900	Mm.5137	11	5.423	5.188	5.354	5.428	5.385	5.453	5.396	5.451	5.353	5.248	5.322	5.450	5.408	5.314	5.566	5.330	5.668	5.459	5.760	5.684	5.594	5.546	5.536	5.529
1420668	a at	Vipf2	NM 138303	Mm.475712	9	8.180	8.156	8.103	8.298	8.223	8.072	8.152	8.115	8.227	8.137	8.084	8.139	8.207	8.065	8.201	8.156	8.309	8.272	8.366	8.295	8.253	8.233	8.131	8.112
1420669	at	Arnt2	AI428888	Mm.38594	7	6.333	6.185	6.348	6.413	6.364	6.438	6.321	6.542	6.292	5.987	6.444	6.197	6.376	6.262	6.296	6.291	6.518	6.302	6.329	6.338	6.450	6.504	6.441	6.433
1420670	at	Arnt2	AI428888	Mm.38594	7	6.117	5.650	5.761	5.771	5.777	5.863	5.866	5.719	5.960	5.852	5.950	5.734	5.777	5.830	5.859	5.851	5.773	5.879	5.775	5.765	5.031	5.976	5.757	5.794
1420671	x at	Mx4dc	NM 029489	Mm.440715	19	7.944	9.450	7.904	7.924	7.955	7.960	8.187	7.976	8.669	8.473	8.390	7.879	8.047	8.853	8.046	7.910	7.800	7.763	7.670	7.655	7.490	7.755	7.793	
1420672	at	Kcne1	NM 008424	Mm.299035	16	6.648	6.044	5.916	6.987	6.977	6.750	6.408	8.104	6.744	6.789	6.238	7.317	7.998	6.078	6.655	6.106	8.851	7.857	8.519	7.137	8.227	8.027	6.186	6.627
1420673	a at	Acx2	NM 028700	Mm.28700	14	7.333	7.046	7.238	6.944	7.123	7.248	7.277	7.155	7.267	7.076	7.091	6.926	7.163	7.125	7.082	7.208	7.204	7.126	7.353	7.202	7.245	7.204	7.207	7.094
1420674	at	Zfp2q2e	NM 012044	Mm.296007	4	6.043	5.827	5.775	6.094	5.961	5.885	5.795	6.094	5.806	5.577	6.061	5.601	6.009	6.019	5.933	5.725	5.590	5.614	5.867	5.838	6.050	5.761	5.928	5.750
1420675	at	Plp113	NM 019747	Mm.19274	5	6.584	6.304	6.494	6.444	6.554	6.770	6.648	6.360	6.323	6.486	6.175	6.359	6.515	6.427	6.538	6.615	6.554	6.952	6.468	6.668	6.479	6.511	6.480	6.519
1420676	at	Lce1a1	NM 025984	Mm.41969	3	3.776	3.693	3.716	3.799	3.720	3.793	3.835	3.671	3.689	3.580	3.886	3.679	3.731	3.740	3.717	3.715	3.728	3.684	3.762	3.745	3.729	3.747	3.958	3.768
1420677	x at	Lce1a1	NM 025984	Mm.41969	3	7.636	7.353	7.671	7.746	7.423	7.458	7.639	7.320	7.348	7.394	7.778	7.396	7.471	7.460	7.435	7.522	7.376	7.357	7.540	7.611	7.649	7.392	7.716	7.665
1420678	a at	It17rb	NM 019583	Mm.269363	14	6.361	5.639	6.043	6.151	6.046	6.075	6.310	6.119	6.062	6.000	6.120	6.046	6.169	6.105	5.943	6.048	6.114	6.102	5.986	6.137	6.163	6.070	6.242	5.966
1420679	a at	Atp1	NM 025446	Mm.45755	10	9.355	9.355	9.281	9.596	9.382	9.628	9.554	9.403	9.083	9.176	9.241	9.387	9.212	9.206	9.232	9.336	9.782	9.798	9.695	9.841	9.932	9.700	9.656	9.572
1420680	at	Cts8	NM 019541	Mm.342861	13	4.191	3.987	4.018	4.048	3.951	4.041	3.889	3.899	3.944	3.824	4.015	3.738	4.023	3.956	3.934	4.032	4.039	3.993	3.972	4.004	4.057	3.980	4.069	4.046
1420681	at	17001200K24Rik	NM 026628	Mm.347960	7	7.714	7.182	7.529	7.682	7.431	7.386	7.637	7.447	7.459	7.309	7.585	7.415	7.408	7.526	7.357	7.369	7.315	7.475	7.607	7.640	7.511	7.321	7.576	7.507
1420682	at	Chrnbl	M14537	Mm.86425	11	7.853	8.497	7.763	7.966	8.541	7.896	7.749	8.277	8.803	8.774	8.642	8.683	8.795	8.244	8.529	7.743	8.096	7.951	7.709	8.041	8.110	8.368	8.194	7.971
1420683	at	Bnolp	NM 134253	Mm.331209	3	5.968	6.029	6.109	6.078	5.974	5.897	6.067	5.962	6.119	5.881	6.005	5.959	6.040	5.990	5.940	6.022	6.014	5.861	6.057	6.067	5.996	6.002	5.962	5.967
1420684	at	Acx3	NM 030721	Mm.291503	5	6.006	5.634	6.094	5.973	5.921	5.924	5.976	5.554	5.890	6.087	5.876	5.752	5.826	5.918	5.749	5.961	5.448	5.817	5.861	6.181	5.501	5.397	5.858	5.993
1420685	at	Grap2	NM 010815	Mm.12847	15	6.229	5.862	6.171	6.079	6.014	5.952	6.192	6.525	6.187	6.191	6.322	6.281	6.158	6.329	6.283	6.169	6.208	6.344	6.106	6.181	6.393	6.191	6.178	6.127
1420686	at	Cryba4	NM 021351	Mm.40324	5	7.148	6.661	7.296	7.364	7.060	7.331	7.118	7.059	6.235	6.109	6.899	6.781	6.880	6.550	6.888	7.141	8.326	7.966	7.885	7.724	7.837	7.948	7.316	7.443
1420687	at	4932438H23Rik	NM 028905	Mm.236220	16	7.259	7.038	7.273	7.323	7.215	7.382	7.200	7.241	7.160	7.086	7.724	7.212	7.290	7.320	7.015	7.383	7.003	7.110	7.335	7.515	7.311	7.168	7.247	7.020
1420688	a at	Ssce	NM 011360	Mm.8739	6	9.276	9.631	9.585	9.627	9.816	10.058	9.622	9.828	9.951	9.954	9.667	10.045	10.084	9.924	9.994	9.688	9.767	9.661	9.918	9.695	9.580	9.839	9.451	9.702
1420689	at	4933415F23Rik	NM 025746	Mm.431297	1	5.586	5.509	5.519	5.450	5.525	5.637	5.497	5.550	5.284	5.301	5.566	5.584	5.279	5.479	5.508	5.541	5.405	5.617	5.475	5.498	5.696	5.437	5.470	5.247
1420690	at	Fqf10	NM 080002	Mm.317323	13	5.580	5.190	5.646	5.530	5.431	5.297	5.538	5.431	5.575	5.303	5.531	5.328	5.370	5.444	5.452	5.640	5.617	5.570	5.456	5.417	5.592	5.430	5.667	5.843
1420691	at	Il2ra	AF054581	Mm.915	2	5.360	5.475	5.407	5.311	5.541	5.340	5.356	5.424	5.368	5.217	5.408	5.258	5.286	5.401	5.401	5.295	5.249	5.222	5.320	5.170	5.356	5.186	5.221	5.539
1420692	at	Il2ra	AF054581	Mm.915	2	5.214	4.950	5.307	5.104	5.304	5.052	5.082	5.006	5.254	5.128	5.108	5.022	5.147	5.126	5.137	5.333	5.426	4.815	5.289	5.417	5.199	5.142	5.351	5.341
1420693	at	Myom1	NM 020967	Mm.403	17	13.466	13.267	13.062	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777
1420694	at	Myom1	NM 020967	Mm.403	17	13.466	13.267	13.062	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777	13.446	12.777
1420695	at	Dach1	BBS52228	Mm.305053	14	6.871	6.760	6.924	6.924	6.989	6.963	7.154	6.922	6.610	7.656	6.899	6.689	6.664	6.737	7.040	6.845	6.982	6.932	7.155	7.162	6.779	6.691	6.871	6.870
1420696	at	Sma3c	NM 013657	Mm.50791	5	6.902	7.512	6.802	6.849	7.304	6.992	6.953	6.970	7.533	7.505	7.161	7.368	7.993	7.413	7.130	6.735	6.758	6.787	6.871	6.969	6.705	6.686	6.964	6.850
1420697	at	Slc15a3	NM 023044	Mm.218870	19	7.447	8.532	7.327	6.993	7.506	7.243	7.428	7.365	8.151	7.840	8.174	7.666	7.478	7.875	7.056	7.356	7.017	6.946	7.176	6.845	6.789	6.957	6.882	7.010
1420698	at	Gpx5	NM 010343	Mm.1332	13	6.738	6.499	6.695	6.536	6.596	6.508	6.656	6.515	6.606	6.527	6.667	6.538	6.566	6.646	6.612	6.782	6.613	6.733	6.634	6.735	6.641	6.651	6.748	6.592
1420699	at	Clec7a	NM 020008	Mm.239516	6	8.471	8.699	8.067	8.188	8.278	8.879	8.654	7.936	9.336	9.365	8.905	9.208	8.828	9.566	8.973	7.831	8.269	7.998	8.054	8.274	8.114	8.305	7.541	8.000
1420700	s at	Folr4	NM 022888	Mm.86738	9	7.257	6.961	7.272	7.054	6.988	7.112	7.078	7.081	7.029	6.984	7.135	6.926	6.998	7.005	7.094	7.275	7.152	7.187	7.060	7.112	7.190	7.082	7.193	7.254
1420701	at	Kvbl1	NM 027324	Mm.23949	19	7.785	6.596	7.737	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596	6.851	6.596
1420702	at	1700093K21Rik	NM 026105	Mm.87328	11	4.196	4.070	4.202	4.115	4.333	4.234	4.281	4.514	4.205	4.271	4.270	4.209	4.215	4.157	4.413	4.244	4.362	4.209	4.113	4.236	4.466	4.200	4.482	4.155
1420703	at	Csf2ra	BM941868	Mm.287228	19	7.948	8.898	7.692	8.150	8.399	7.922	7.829	7.997	9.039	8.552	8.171	8.371	8.075	8.506	7.887	7.729	8.048	7.866	7.627	7.454	7.911	8.246	7.718	7.519
1420704	at	LOC100045292	BM941868	NA	19	7.283	7.179	6.986	7.238	7.197	7.177	7.140	7.197	7.356	7.187	7.298	6.830	7.122	7.209	7.283	6.977	7.073	6.906	7.070	7.142	7.022	7.009	7.244	7.097
1420705	at	Foxb1	U90538	Mm.400890	9	6.645	6.324	6.535	6.251	6.632	6.097	6.060	6.267	6.658	6.054	6.646	6.053	6.290	6.197	6.224	6.257	6.336	6.119	6.357	6.249	6.256	6.373	6.285	6.279
1420706	at	RP23.15O10.7	NM 018873	Mm.342665	11	5.369	5.266	5.380	5.273	5.281	5.153	5.304	5.268	5.239	5.052	5.235	5.173	5.229	5.163	5.225	5.155	5.277	5.273	5.329	5.491	5.267	5.528	5.288	5.283
1420707	a at	Traip	AK012948	Mm.297870	9	5.326	5.591	5.370	5.273	5.448	5.110	5.413	5.606	5.617	5.202	5.262													

1420756	at	Fut7	NM	013524	Mm.1203	2	7.336	7.077	7.115	7.281	7.173	7.156	7.283	7.402	7.018	7.252	7.098	7.333	7.217	7.020	7.283	7.272	7.360	7.271	7.367	7.237	7.274	7.306	7.428	7.267
1420757	at	Myf5	NM	008656	Mm.4984	2	3.763	3.759	3.794	3.632	3.716	3.800	3.684	3.787	3.782	3.900	3.691	3.832	3.591	3.794	3.701	3.648	3.780	3.877	3.622	3.888	3.769	3.837	4.073	3.726
1420758	at	5830411J07Rik	NM	029082	Mm.4439771	2	6.185	6.093	6.104	6.188	6.147	6.049	6.281	6.079	6.183	6.038	6.040	6.124	6.159	6.049	5.962	6.246	6.179	6.164	6.196	6.102	6.222	6.096	6.184	6.181
1420759	s at	ZHy2	NM	009571	Mm.4113871	Y	4.114	3.859	3.952	3.969	4.010	3.899	3.915	4.149	3.768	3.849	3.966	3.946	3.632	4.103	4.013	3.999	3.969	3.965	3.985	4.108	3.860	4.091	4.105	3.897
1420760	s at	Chrnl1	NM	008681	Mm.30837	15	10.890	10.468	10.944	10.684	10.510	10.155	10.297	10.294	10.770	10.862	10.632	10.671	10.884	10.675	11.010	11.023	10.907	9.981	10.185	10.309	10.430	10.459	10.950	11.050
1420761	at	Chrnd	NM	021600	Mm.2811	1	7.311	7.089	6.991	7.085	7.075	7.212	7.336	7.113	7.098	7.286	7.125	7.129	7.156	7.125	7.188	7.399	7.150	7.415	7.211	7.111	6.995	7.286	7.150	
1420762	a at	Vyb2	NM	016875	Mm.29286	11	8.967	8.298	8.564	8.987	8.468	8.600	8.616	8.685	7.933	7.988	8.36	7.938	8.067	8.040	8.148	8.861	9.237	9.216	8.970	8.871	9.006	9.314	8.879	9.024
1420763	at	Klk4	NM	019928	Mm.42080	7	6.189	5.665	6.175	6.297	6.064	6.096	6.230	6.125	5.953	5.932	6.248	5.932	6.123	5.986	5.906	6.314	6.279	6.097	6.257	6.343	6.372	6.156	6.257	6.543
1420764	at	Scra1	NM	009136	Mm.12886	8	6.082	5.754	6.248	6.157	6.019	6.123	6.148	6.071	6.001	6.064	6.087	6.181	5.845	6.025	6.094	6.163	6.073	5.951	6.122	5.928	6.142	6.272	6.207	6.207
1420765	a at	Foxp3	NM	054039	Mm.182291	X	5.352	5.129	5.120	5.337	5.177	5.227	5.238	5.277	5.272	5.087	5.125	4.961	5.127	5.199	5.257	5.330	5.139	5.267	5.328	5.223	5.245	5.248	5.347	5.082
1420766	at	Socs7	NM	138657	Mm.34339	11	6.862	6.620	6.610	6.831	6.779	6.626	6.854	6.868	6.980	6.670	6.885	6.966	6.815	6.880	6.764	6.796	6.865	6.850	7.010	6.843	6.830	6.839	6.960	6.693
1420767	at	1700019G17Rik	NM	029331	Mm.24454	6	7.712	7.216	7.463	7.629	7.499	7.211	7.605	7.541	7.448	7.172	7.452	7.225	7.387	7.473	7.522	7.398	7.542	7.414	7.392	7.606	7.617	7.414	7.530	7.329
1420768	a at	Dhx58	NM	030150	Mm.271830	11	4.800	4.492	4.558	4.600	4.560	4.530	4.543	4.693	4.559	4.565	4.616	4.524	4.523	4.530	4.575	4.490	5.050	4.677	4.603	4.555	4.455	4.852	4.580	4.745
1420769	at	Dhx58	NM	030150	Mm.271830	11	6.849	6.412	6.737	6.704	6.783	6.812	6.932	6.747	6.539	6.455	6.718	6.454	6.731	6.539	6.749	6.816	6.729	6.873	6.890	6.892	6.634	6.553	6.597	6.804
1420770	at	Klk1b24	NM	010643	Mm.444308	7	7.075	6.166	7.164	7.041	6.545	7.164	7.048	6.691	6.765	6.205	6.943	6.805	6.686	6.600	6.937	6.961	7.034	7.005	6.939	7.275	6.841	6.769	6.961	7.401
1420771	at	Spr2d	NM	011470	Mm.87820	3	7.388	7.191	7.515	7.532	7.327	7.435	7.490	7.434	7.165	7.701	6.94	7.338	7.186	7.342	7.354	7.507	7.299	7.345	7.331	7.613	7.538	7.719	7.637	7.534
1420772	a at	Tsc22d3	NM	010286	Mm.22216	X	10.636	9.893	10.691	10.680	11.004	10.901	10.502	9.320	9.465	10.223	9.639	10.302	10.613	9.723	10.843	10.844	9.877	9.686	10.083	10.214	10.011	9.860	11.441	10.834
1420773	at	Dub1	NM	007887	Mm.889929	7	5.240	5.118	5.227	5.134	5.211	4.996	5.420	5.141	5.174	5.320	5.123	5.046	5.128	5.142	5.141	5.032	4.982	5.277	5.177	5.337	5.258	5.092	5.270	5.277
1420774	a at	4930538H14Rik	NM	026358	Mm.273339	3	6.625	6.531	6.660	6.569	6.483	6.686	6.554	6.541	6.726	6.507	6.608	6.493	6.618	6.568	6.798	6.708	6.510	6.812	6.733	6.809	6.554	6.507	6.530	6.872
1420775	at	Hdh1a	NM	026108	Mm.158150	18	5.533	5.604	5.584	5.420	5.521	5.587	5.406	5.415	5.533	5.420	5.699	5.521	5.488	5.561	5.592	5.575	5.472	5.503	5.677	5.544	5.644	5.300	5.578	5.500
1420776	a at	Auh	NM	016709	Mm.252034	13	11.292	10.676	11.580	11.551	11.098	11.456	11.153	11.143	9.922	10.425	10.100	9.921	10.597	10.139	11.043	11.593	11.650	11.638	11.479	11.746	11.414	11.604	11.488	11.680
1420777	a at	4933400A11Rik	NM	025743	Mm.379123	X	3.991	3.994	3.922	4.095	3.927	4.140	3.927	4.064	4.036	3.907	3.916	3.646	3.819	3.831	3.817	3.943	4.329	4.071	3.999	4.109	3.890	4.006	3.906	3.852
1420778	at	Tasir13	NM	031872	Mm.358792	4	6.746	6.615	6.748	6.616	6.619	6.580	6.697	6.650	6.677	6.632	6.772	6.448	6.603	6.582	6.526	6.707	6.633	6.700	6.769	6.550	6.649	6.686	6.837	
1420779	at	Flh3	NM	010213	Mm.331856	4	8.196	8.208	8.779	7.970	8.224	8.137	7.981	8.080	8.408	8.229	8.388	8.150	8.232	8.170	8.293	7.983	8.016	8.135	8.065	8.172	8.088	7.917	7.982	8.117
1420780	at	Asc3	NM	020051	Mm.29275	7	8.226	7.923	8.220	8.195	8.047	8.150	8.095	7.995	8.134	7.892	8.198	7.972	8.051	7.946	8.122	8.116	8.132	8.086	8.056	8.142	8.220	7.914	8.220	8.070
1420781	at	Eto51	NM	053258	Mm.296952	7	4.962	5.002	5.065	5.118	5.040	5.217	4.963	5.105	5.226	5.045	5.293	5.012	5.124	5.179	5.219	5.037	5.046	5.239	5.159	5.030	5.272	5.057	5.050	4.864
1420782	at	Tolp1	NM	031608	Mm.136137	10	6.493	6.137	6.213	6.159	6.260	6.158	6.216	6.271	6.133	6.980	6.312	6.150	5.990	6.312	6.179	6.083	6.141	6.352	6.193	6.281	6.148	6.204	6.202	
1420783	at	Trp52l3	NM	025741	Mm.158128	7	4.964	4.708	4.720	4.903	5.599	7.707	6.588	6.848	6.123	7.593	6.508	6.917	6.587	6.642	7.757	7.08	7.810	7.760	7.932	7.982	7.888	7.900	9.060	7.622
1420784	at	Scn11a	NM	011887	Mm.89981	9	6.448	6.172	6.118	6.292	6.226	6.109	6.188	6.494	6.466	6.352	6.339	6.364	6.245	6.360	6.108	6.009	6.379	6.072	6.138	6.293	6.491	6.398	6.210	6.356
1420785	at	Gab2	NM	010248	Mm.42033	7	8.171	7.605	7.993	7.897	7.821	7.858	7.814	7.924	7.632	7.127	7.868	7.797	7.789	7.769	7.806	7.975	7.809	7.855	7.801	7.911	7.960	7.888	7.787	7.928
1420786	a at	Rbm1a1	NM	011253	Mm.4711	Y	4.410	4.183	4.329	4.257	4.308	4.260	4.311	4.299	4.188	4.231	4.355	4.239	4.172	4.172	4.280	4.268	4.275	4.241	4.528	4.411	4.350	4.413	4.433	4.363
1420787	at	4933436I01Rik	NM	025763	Mm.79193	X	4.267	4.147	4.068	4.189	4.402	4.268	4.125	4.137	3.975	4.096	4.164	4.057	4.048	4.125	4.199	4.299	4.407	4.061	4.119	4.278	4.015	4.107	4.285	4.108
1420788	at	Klra1	NM	016970	Mm.20434	6	7.913	7.399	7.837	7.826	7.766	7.766	8.012	7.762	7.713	7.743	7.698	7.602	7.724	7.676	7.678	7.933	7.924	7.833	7.681	7.786	7.808	7.551	7.832	7.797
1420789	at	Klra5	NM	008463	Mm.14111	6	5.954	5.743	6.047	6.018	5.966	5.940	6.170	6.260	6.188	6.032	6.043	5.935	6.226	6.189	5.962	6.108	5.963	5.985	6.080	6.056	5.982	6.037	6.142	5.980
1420790	at	Klra2	NM	008463	Mm.14111	6	5.954	5.743	6.047	6.018	5.966	5.940	6.170	6.260	6.188	6.032	6.043	5.935	6.226	6.189	5.962	6.108	5.963	5.985	6.080	6.056	5.982	6.037	6.142	5.980
1420791	x at	Speer4f	NM	027609	Mm.332225	5	8.173	7.945	8.268	8.189	8.068	8.044	8.148	8.099	8.013	7.969	8.148	7.849	7.905	8.135	8.120	8.213	8.204	8.170	8.176	8.286	8.126	8.130	8.161	8.077
1420792	at	4930433N12Rik	NM	053265	Mm.422774	9	4.363	4.445	4.122	4.379	4.388	4.266	4.319	4.114	4.517	4.225	4.143	4.302	4.506	4.297	4.452	4.317	4.374	4.306	4.322	4.448	4.340	4.288	4.347	4.379
1420793	at	Mup2	NM	008648	Mm.457982	4	4.298	4.141	4.437	4.108	4.211	4.319	4.248	4.230	4.342	4.090	4.290	4.265	4.166	4.137	4.255	4.353	4.367	4.364	4.276	4.317	4.279	4.239	4.235	4.234
1420794	at	Art2b	NM	019915	Mm.57008	7	5.525	5.536	5.575	5.433	5.452	5.611	5.493	5.528	5.456	5.408	5.499	5.464	5.525	5.534	5.586	5.628	5.698	5.764	5.659	5.571	5.910	5.426	5.433	5.552
1420795	at	Fof9	NM	013518	Mm.8846	14	7.313	7.253	7.409	7.509	7.265	7.399	7.465	7.398	7.215	7.227	7.235	7.235	6.911	7.204	7.284	7.484	7.402	7.646	7.622	7.437	7.404	7.512	7.409	7.539

1420845	at	Mrs2	AV031454	Mm.294951	2	7.984	7.821	7.992	7.921	7.688	7.902	7.883	7.546	7.431	7.822	7.865	7.760	7.689	7.864	8.003	8.018	7.569	8.114	8.104	8.112	7.842	7.435	8.009	8.219	
1420846	at	Mrs2	AV031454	Mm.294951	2	9.901	10.058	10.191	9.951	9.776	10.113	10.081	9.741	9.583	9.860	9.969	9.697	9.645	9.930	9.888	10.117	9.565	10.015	10.193	10.171	9.753	7.743	10.107	10.264	
1420847	a	at	Fofr2	NM 010207	Mm.16340	7	7.027	6.680	7.156	6.951	6.751	6.822	7.013	6.900	6.688	6.742	6.875	6.868	6.853	6.759	6.927	7.147	6.905	6.859	6.890	6.852	6.936	6.941	7.035	
1420848	at	Sufu	AJ308624	Mm.41210	19	6.308	6.348	6.549	6.649	6.409	6.432	6.576	6.636	6.334	6.130	6.378	6.293	6.510	6.304	6.242	6.514	6.573	6.451	6.703	6.528	6.568	6.538	6.675	6.599	
1420849	at	Crm1k	AV143435	Mm.248755	2	8.352	7.730	7.281	7.098	6.900	7.115	7.129	6.732	6.784	6.787	6.980	6.768	6.798	6.787	7.112	7.228	7.030	6.900	7.250	7.056	6.988	7.014	7.229	7.003	
1420850	at	Crm1k	AV143435	Mm.248755	2	8.273	7.530	6.463	6.462	8.440	8.347	8.585	8.409	8.286	8.047	8.348	8.041	8.268	8.285	8.209	8.819	8.451	8.299	8.544	8.487	8.314	8.459	8.537	8.754	
1420851	at	Parde6a	NM 053117	Mm.246778	18	8.500	8.386	8.633	8.522	8.606	9.010	8.764	8.606	8.652	8.586	8.526	8.489	8.716	8.738	8.829	8.527	8.564	8.292	8.781	8.573	8.542	8.599	8.481	8.654	
1420852	a	at	B3qnt2	AV306734	Mm.404064	11	6.319	6.324	6.596	6.563	6.513	6.580	6.538	6.389	6.620	6.835	6.618	6.566	6.674	6.904	6.714	6.626	6.554	6.308	6.760	6.765	6.251	6.105	6.722	7.115
1420853	at	Sdc3	BB528350	Mm.206536	4	9.019	8.530	8.914	8.936	8.693	8.740	8.779	8.859	8.543	8.681	8.732	8.726	8.631	8.715	8.907	8.777	8.818	8.725	8.627	8.818	8.860	8.747	8.954	9.000	
1420854	at	Eln	BB229377	Mm.275320	5	8.446	8.329	8.494	8.499	8.612	9.005	8.480	8.486	8.561	8.512	8.430	8.939	8.906	8.374	8.526	8.538	8.247	8.354	8.454	8.424	8.503	8.319	8.587	8.524	
1420855	at	Eln	BB229377	Mm.275320	5	9.035	8.765	9.019	8.886	10.071	10.929	8.766	9.609	8.932	10.057	9.565	11.312	11.008	9.739	10.501	8.862	8.778	8.979	9.035	8.689	8.840	9.000	8.938	8.760	
1420856	a	at	Landc2	NM 133737	Mm.274904	6	4.195	4.322	4.521	4.461	4.350	4.538	4.266	4.122	4.275	4.327	4.281	4.393	4.322	4.343	4.402	4.306	4.224	4.334	4.432	4.448	4.243	4.257	4.414	4.436
1420857	at	Landc2	NM 133737	Mm.274904	6	6.201	5.887	6.330	6.098	5.897	5.970	6.274	6.087	5.917	5.887	6.173	5.951	5.982	6.205	6.130	6.039	5.905	6.139	6.202	6.243	6.337	5.761	6.215	6.131	
1420858	at	Pkia	AK010212	Mm.3193	3	8.694	8.977	9.149	9.101	8.779	9.410	9.095	8.958	8.685	8.977	8.399	8.366	8.410	8.735	8.936	9.260	9.444	8.944	9.341	9.449	9.324	9.145	9.143	9.602	
1420859	at	Pkia	AK010212	Mm.3193	3	11.325	11.320	11.506	11.495	11.286	11.610	11.612	11.233	11.018	11.533	10.945	11.180	11.072	11.134	11.326	11.472	11.404	11.221	11.379	11.493	11.458	11.583	11.359	11.660	
1420860	at	Itqa9	NM 133721	Mm.335520	9	7.182	7.129	6.698	6.892	7.325	6.974	6.992	7.136	7.345	7.328	7.561	7.241	7.175	7.214	7.276	6.774	6.957	7.053	6.945	7.244	7.102	7.147	6.966	7.123	
1420861	at	Dctn4	NM 026302	Mm.272801	18	10.651	10.509	10.847	10.738	10.622	10.771	10.540	10.382	10.563	10.660	10.391	10.639	10.546	10.681	10.686	10.842	10.563	10.667	10.783	10.670	10.482	10.601	10.798	10.705	
1420862	at	Dctn4	NM 026302	Mm.272801	18	9.096	9.274	9.079	9.052	9.047	8.992	8.901	9.047	9.213	9.194	9.069	9.184	9.130	9.007	9.020	9.038	9.117	9.008	8.900	8.852	9.054	9.112	8.956	8.841	
1420863	at	Dctn4	NM 026302	Mm.272801	18	7.628	7.694	7.714	7.644	7.420	7.798	7.556	7.225	7.412	7.916	7.380	7.384	7.523	7.688	7.623	7.876	7.267	7.353	7.786	7.626	7.398	7.384	7.894	7.976	
1420864	at	Zfp161	NM 009547	Mm.29434	17	6.365	6.137	6.165	6.235	6.249	6.163	5.989	6.226	6.138	6.364	6.134	6.445	6.276	6.166	6.304	6.199	6.146	6.134	6.046	6.063	6.304	6.168	6.276	6.207	
1420865	at	Zfp161	NM 009547	Mm.29434	17	7.370	7.241	7.534	7.727	7.475	7.658	7.448	7.825	7.543	7.857	6.992	7.912	7.448	7.668	7.570	7.460	7.434	7.327	7.343	7.255	7.590	7.701	7.101	7.453	
1420866	at	Zfp161	NM 009547	Mm.29434	17	7.520	7.526	7.781	8.073	7.901	8.193	7.682	7.527	7.685	7.899	7.450	7.784	7.758	7.912	7.945	7.924	7.584	7.482	7.687	7.809	7.446	7.717	7.666	7.903	
1420867	at	Tmed2	BB609648	Mm.425279	5	7.985	8.316	8.031	7.978	7.927	8.244	8.062	7.648	8.150	8.411	7.974	7.854	8.016	8.421	8.045	8.230	7.705	8.006	8.250	8.128	7.764	7.524	8.009	8.186	
1420868	s	at	Tmed2	BB609648	Mm.425279	5	9.950	10.217	9.983	9.882	9.950	10.095	9.851	9.519	9.958	10.318	9.910	9.950	9.890	10.264	10.109	10.218	9.602	9.868	10.158	9.682	9.429	9.993	10.224	
1420869	at	Mllt10	BB353133	Mm.209175	2	7.306	7.128	7.238	7.477	7.225	7.296	7.262	7.048	7.137	6.991	7.240	6.971	6.996	7.207	7.218	7.176	7.374	7.382	7.427	7.340	7.264	7.059	7.128	7.217	
1420870	at	Mllt10	BB353133	Mm.209175	2	9.187	9.218	9.108	9.026	9.257	9.219	9.189	9.259	9.156	9.068	9.259	9.182	9.187	9.085	9.114	9.107	9.092	9.162	9.379	9.431	9.304	9.225	9.552	8.983	9.212
1420871	at	Gucv1b3	NM 009547	Mm.29434	17	7.352	7.300	7.281	7.309	7.237	7.235	7.235	7.301	7.281	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235	7.235
1420872	at	Gucv1b3	BF472806	Mm.944542	4	8.987	9.128	9.251	9.424	9.257	9.415	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	9.175	
1420873	at	Twf1	BI662615	Mm.309867	15	5.012	5.773	5.161	5.246	5.279	5.176	5.403	5.236	5.872	5.366	5.437	5.248	5.403	5.339	5.508	5.168	5.277	5.041	5.407	5.219	5.269	5.085	5.343	4.955	
1420874	at	Twf1	BI662615	Mm.309867	15	6.533	7.256	6.601	6.729	7.115	6.792	6.542	6.824	7.226	7.244	7.240	6.764	7.125	7.357	7.317	6.735	6.735	6.681	6.631	6.577	6.682	6.978			
1420875	at	Twf1	BI662615	Mm.309867	15	9.520	10.467	9.549	9.618	9.852	9.913	9.692	9.915	10.595	10.403	10.186	10.054	10.274	10.631	10.056	9.697	9.341	9.267	9.467	9.283	9.378	9.648	9.634	9.648	
1420876	a	at	6-Sep NM 019942	Mm.260036	X	6.088	5.847	5.945	6.065	6.041	6.501	6.194	5.930	5.815	5.744	5.957	5.995	5.952	5.926	6.209	5.897	5.924	6.312	6.005	6.394	6.054	5.722	6.232	6.018	
1420877	at	6-Sep NM 019942	Mm.260036	X	7.937	8.085	8.024	8.261	8.312	8.356	8.279	8.212	7.278	7.754	8.009	7.874	7.924	7.932	7.553	8.169	7.823	8.465	8.513	8.362	8.616	8.516	8.302	8.467	7.947	
1420878	a	at	Ywhab	NM 018753	Mm.34319	2	8.235	8.391	7.996	8.150	8.333	8.236	8.090	8.843	9.110	8.769	8.599	8.664	8.601	8.786	8.245	7.951	8.185	8.099	7.930	7.713	8.284	8.371	7.807	7.873
1420879	at	Ywhab	NM 018753	Mm.34319	2	11.571	12.272	11.939	12.13	11.919	11.559	11.939	11.960	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	11.870	
1420880	a	at	Ywhab	NM 018753	Mm.34319	2	12.829	13.157	12.668	12.793	13.071	12.792	12.874	12.826	13.192	13.114	13.122	13.040	13.095	13.177	13.001	12.627	12.439	12.687	12.590	12.542	12.717	12.722	12.809	12.570
1420881	at	Accl	BE996461	Mm.12964	8	5.685	5.651	5.947	5.673	5.740	5.379	5.816	5.669	5.487	5.745	5.650	5.465	5.573	5.625	5.559	6.044	5.675	5.599	5.678	5.828	5.594	5.527	5.715	5.827	
1420882	a	at	Accl	BE996461	Mm.12964	8	9.293	9.662	9.020	9.227	9.289	9.143	9.075	9.465	9.460	9.324	9.217	9.644	9.400	9.329	9.177	9.005	9.501	9.432	9.275	9.240	9.415	9.168	8.911	8.917
1420883	at	Sln	AK008863	Mm.29132	9	6.546	6.216	6.445	6.342	6.322	6.491	6.397	6.413	6.454	6.386	6.439	6.362	6.501	6.402	6.465	6.448	6.577	6.461	6.234	6.354	6.563	6.443	6.822	6.568	
1420884	at	Sln	AK008863	Mm.29132	9	6.557	6.355	6.595	6.581	6.650	10.294	6.590	6.604	6.650	6.609	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589
1420885	a	at	Sez6	NM 021286	Mm.229330	11	7.366	7.122	7.234	7.328	7.41																			

1420934	a	at	Srrm1	NM	016799	Mm.1963	4	8.314	8.135	8.039	8.126	8.141	8.154	8.144	8.289	7.915	7.940	7.955	8.123	7.901	7.979	7.996	7.996	8.096	8.091	8.105	8.098	8.166	8.326	8.125	8.135
1420935	a	at	Srrm1	NM	016799	Mm.1963	4	9.147	9.378	9.199	9.234	8.917	9.250	9.284	9.195	8.888	8.896	8.971	9.296	9.022	9.368	9.012	9.313	8.296	9.000	8.983	9.038	8.949	9.071	9.101	8.956
1420936	s	at	Cpsf2	BM239527	Mm.716		12	7.417	7.917	7.572	7.356	7.492	7.635	7.597	7.200	7.497	7.450	7.441	7.653	7.458	7.561	7.329	7.642	7.421	7.449	7.519	7.479	7.496	7.554	7.342	7.679
1420937	at		Cpsf2	BM239527	Mm.716		12	8.342	8.920	8.230	8.262	8.394	8.269	8.306	8.214	8.382	8.347	8.337	8.261	8.135	8.389	8.045	8.191	8.380	8.348	8.370	8.275	8.153	8.301	8.158	8.245
1420938	at		Hs6st2	AW563432	Mm.252561	X	4	5.119	5.477	4.776	4.965	4.918	4.969	5.059	5.219	5.377	5.420	4.920	5.071	5.286	4.982	5.149	5.086	5.090	5.077	5.036	5.077	5.036	5.041	5.375	
1420939	at		Hs6st2	AW563432	Mm.252561	X	4	4.245	4.021	4.388	4.150	3.975	4.110	4.235	4.006	4.196	4.218	4.289	4.153	4.108	4.100	4.117	4.254	4.274	4.154	4.077	3.955	4.500			
1420940	x	at	Rqs5	BF585144	Mm.20954		1	8.135	7.734	8.869	8.372	8.080	8.540	7.871	8.348	7.694	7.789	7.948	8.499	8.103	8.726	8.151	8.909	7.691	8.010	8.351	8.378	7.776	7.757	8.432	8.778
1420941	at		Rqs5	BF585144	Mm.20954		1	12.444	11.889	12.108	12.519	12.253	11.808	12.076	12.126	11.998	11.971	12.174	11.986	12.255	11.519	12.226	12.139	12.602	12.520	12.290	12.486	12.631	12.696	12.601	12.485
1420942	s	at	Rqs5	BF585144	Mm.20954		1	9.992	8.965	10.487	10.044	9.443	10.209	9.873	9.582	8.898	9.540	9.583	9.533	9.448	8.985	10.081	10.581	9.459	9.593	10.028	10.292	9.570	9.590	10.415	10.647
1420943	at		Zfp185	AK014497	Mm.1161	X	7	7.861	7.593	8.066	7.999	7.848	7.875	7.890	7.889	7.851	7.744	7.863	7.861	7.869	7.913	7.875	7.861	7.849	7.816	7.844	7.917	7.875	7.745	8.010	7.921
1420944	at		Zfp185	AK014497	Mm.1161	X	7	6.638	6.250	6.330	6.306	6.686	6.699	6.678	6.664	6.711	6.939	6.785	6.807	7.936	6.362	7.492	6.487	6.536	6.556	6.419	6.625	6.615	6.363	6.609	6.523
1420945	at		Atrx	BB825830	Mm.10141	X	6	6.285	6.124	6.446	6.223	6.222	6.214	6.349	6.335	6.222	6.325	6.284	6.281	6.339	6.337	6.250	6.244	6.122	6.128	6.072	6.400	6.220	6.198	6.138	6.168
1420946	at		Atrx	BB825830	Mm.10141	X	6	8.715	8.934	8.634	8.529	9.273	8.748	8.641	8.644	8.553	8.598	8.306	8.801	8.782	8.528	8.677	8.748	8.959	8.646	8.649	8.622	8.919	8.601	8.450	
1420947	at		Atrx	BB825830	Mm.10141	X	9	9.200	9.303	9.265	9.342	8.180	9.318	9.141	9.229	9.232	9.277	9.038	9.471	9.398	8.997	9.319	9.250	9.523	9.278	9.345	9.324	9.242	9.526	9.198	9.156
1420948	s	at	Atrx	BB825830	Mm.10141	X	6	6.204	5.944	6.036	6.076	6.231	6.409	6.305	6.255	6.150	6.194	6.299	5.840	5.872	6.117	6.308	6.288	6.085	6.093	6.241	6.464	6.138	6.130	6.577	6.526
1420949	at		Znrf1	BB026596	Mm.217578		8	7.594	7.130	7.297	7.469	7.401	7.134	7.325	7.341	7.433	7.217	7.379	7.321	7.455	7.282	7.178	7.397	7.351	7.224	7.318	7.317	7.446	7.710	7.430	7.271
1420950	at		Znrf1	BB026596	Mm.217578		8	8.677	8.373	8.708	8.876	8.637	8.749	8.775	8.550	8.321	8.287	8.571	8.496	8.424	8.384	8.554	8.746	8.911	9.046	8.968	8.851	8.840	8.547	8.737	8.818
1420951	a	at	Son	BB701473	Mm.46401		16	7.042	6.708	6.965	7.098	6.973	7.065	7.054	7.171	6.880	6.929	6.993	6.948	6.950	6.871	6.968	7.135	7.170	7.040	7.079	7.114	6.952	6.896	7.019	7.108
1420952	at		Son	BB701473	Mm.46401		16	11.502	11.728	11.362	11.342	11.483	11.353	11.376	11.642	11.698	11.312	11.285	11.665	11.649	11.072	11.310	11.238	11.903	11.782	11.301	11.199	11.701	11.862	11.345	10.818
1420953	at		Add1	BF140063	Mm.289106		5	9.251	9.691	9.484	9.801	9.728	9.780	9.460	8.623	9.447	9.887	9.359	9.258	9.467	9.670	9.662	9.841	8.583	9.165	9.657	9.711	8.946	8.561	9.691	9.816
1420954	a	at	Add1	BF140063	Mm.289106		5	8.062	8.190	8.186	8.418	8.088	8.372	8.159	7.846	8.161	8.249	8.088	8.201	8.185	8.302	8.327	8.384	7.916	8.023	8.342	8.413	7.935	7.116	8.253	8.297
1420955	at		Vsnl1	NM	012038	Mm.27005	12	4.893	4.686	5.068	5.130	4.883	5.220	4.839	4.695	4.755	4.772	4.951	4.770	4.774	4.723	5.221	5.069	4.788	5.367	5.085	5.294	5.100	4.951	4.904	5.229
1420956	at		Apc	BM027462	Mm.384171		18	9.386	9.800	9.373	9.300	9.721	9.847	9.543	9.589	9.845	9.882	9.606	9.747	9.737	9.621	9.645	9.298	9.290	9.432	9.397	9.401	9.353	9.506	9.467	9.752
1420957	at		Apc	BM027462	Mm.384171		18	4.736	4.641	4.683	4.786	4.626	4.675	4.748	4.716	4.635	4.771	4.689	4.695	4.594	4.736	4.449	4.693	4.724	4.764	4.951	5.009	4.485	4.719	4.668	4.729
1420958	at		Svsl1	NM	025575	Mm.44218	2	6.915	6.309	6.536	6.610	6.592	6.539	6.581	6.498	6.550	6.431	6.613	6.518	6.452	6.614	6.499	6.710	6.737	6.754	6.583	6.531	6.598	6.593	6.552	6.505
1420959	at		Asph	NM	023066	Mm.239247	4	9.721	7.989	9.963	9.521	9.564	10.022	9.749	9.441	9.391	9.692	9.550	9.463	9.498	8.991	9.762	9.795	9.466	9.611	9.938	9.930	9.437	9.948	9.790	10.140
1420960	at		Fancb	BM072083	Mm.63031		4	6.807	6.808	6.803	6.808	6.807	6.808	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807	6.808	6.807
1420961	at		Lvms1	NM	028582	Mm.33764	4	9.415	8.446	9.911	9.227	8.481	9.369	9.334	9.145	8.852	8.717	8.580	8.622	8.640	8.588	9.036	9.377	7.999	8.271	8.897	9.680	9.424	10.534	10.370	
1420962	at		Hapln2	BE979942	Mm.294467		3	6.496	6.263	6.329	6.361	6.574	6.382	6.445	6.476	6.404	6.432	6.497	6.424	6.559	6.536	6.566	6.464	6.447	6.248	6.534	6.526	6.452	6.179	6.476	6.320
1420963	at		Hapln2	BE979942	Mm.294467		3	7.202	6.991	7.111	7.155	7.102	6.944	7.094	7.268	7.127	7.005	7.157	7.020	7.121	7.071	7.079	7.162	7.207	7.144	7.062	7.150	7.346	7.094	7.170	7.066
1420964	at		Enc1	BM120053	Mm.241073		13	5.744	5.445	5.663	5.803	5.519	5.485	5.572	5.647	5.548	5.506	5.815	5.680	5.444	5.614	5.577	5.702	5.807	5.383	5.433	5.692	5.620	5.677	5.462	5.845
1420965	a	at	Enc1	BM120053	Mm.241073		13	10.553	10.155	10.135	9.916	10.156	10.104	9.949	9.654	10.171	10.048	10.562	9.971	9.940	9.897	9.799	10.112	9.069	9.651	9.759	9.328	9.159	9.334	9.643	10.627
1420966	at		Slc25a15	AW541300	Mm.200907		8	5.635	5.261	5.681	5.883	5.628	5.513	5.840	5.648	5.444	5.541	5.567	5.481	5.461	5.629	5.703	5.686	5.642	5.789	5.583	5.762	5.682	5.583	5.989	5.685
1420967	at		Slc25a15	AW541300	Mm.200907		8	9.364	9.434	9.375	9.348	9.293	9.465	9.639	9.265	9.017	9.168	9.099	9.179	9.083	9.300	9.056	9.416	9.402	9.447	9.513	9.498	9.324	9.391	9.323	9.448
1420968	at		Btd1b4b	BM027888	Mm.289106		7	8.154	6.037	8.037	8.834	6.113	8.129	8.170	8.923	7.882	8.152	8.347	8.125	8.565	6.185	6.575	6.588	6.509	6.905	6.862	6.849	6.823	7.962	6.826	6.826
1420969	at		Btd1b4b	NM	025788	Mm.289698	8	9.437	9.889	9.242	9.379	9.462	9.392	9.334	9.864	9.546	9.499	9.601	9.567	9.555	9.469	9.576	9.255	9.311	9.425	9.355	9.301	9.253	9.064	9.074	9.234
1420970	at		Adcy7	NM	007406	Mm.288206	8	7.168	8.128	7.080	7.330	8.153	7.727	7.259	7.406	8.417	8.378	7.637	8.232	8.382	8.182	7.975	7.716	6.909	6.751	7.162	7.177	7.080	6.841	7.041	7.222
1420971	at		Ubr1	B0173927	Mm.389330		2	6.693	6.771	7.114	6.862	6.609	6.980	6.862	6.851	6.674	6.746	6.787	6.303	6.634	6.777	6.825	7.146	6.662	6.488	6.968	7.001	6.621	6.601	6.955	7.055
1420972	at		Arid5b	BB699910	Mm.440357		10	7.290	7.116	7.154	7.282	7.288	7.240	7.191	7.308	7.337	7.135	7.341	7.173	7.633	7.260	7.325	7.309	7.209	7.258	7.290	7.333	7.264	7.160	7.304	7.260
1420973	at		Arid5b	BB699910	Mm.440357		10	8.299	8.243	7.892	7.915	8.248	8.273	8.378	8.823	8.821	8.371	9.539	9.912	8.739	8.292	8.603	7.932	8.834	8.472						

1421023	at	Pik3c2a	NM 011083	Mm.3810	7	9.360	9.433	9.444	9.249	9.400	9.524	9.343	9.213	9.265	9.449	9.225	9.173	9.401	9.433	9.399	9.504	8.933	8.979	9.264	9.071	9.088	9.276	9.478	9.293	
1421024	at	Aqaat1	BS524140	Mm.8684	17	8.862	8.677	8.760	8.867	8.833	8.724	8.806	8.495	8.489	8.711	8.742	8.650	8.562	8.725	8.565	8.819	8.374	8.757	8.890	8.767	8.560	8.353	8.743	8.790	
1421025	at	Aqaat1	BS524140	Mm.8684	17	9.223	9.231	9.178	9.291	9.289	9.299	9.161	8.870	9.265	9.142	9.125	9.140	9.065	9.101	9.029	9.351	9.043	9.289	9.209	9.287	9.051	8.880	9.152	9.309	
1421026	at	Gna12	BF302166	Mm.370185	5	7.279	7.419	7.406	7.903	7.461	7.631	7.432	6.581	6.803	7.263	7.198	7.245	7.062	7.436	7.400	7.609	6.611	7.415	7.841	7.833	7.079	6.456	7.683	7.907	
1421027	a at	Me12c	AI595932	Mm.24001	13	9.279	9.615	9.468	9.382	9.517	9.713	9.708	9.405	9.107	9.408	9.015	9.368	9.329	9.439	9.443	9.338	8.857	9.455	9.371	9.455	8.798	9.436	9.254	9.245	
1421028	a at	Me12c	AI595932	Mm.24001	13	8.034	7.568	7.375	7.998	7.540	8.091	7.943	7.864	7.932	7.982	7.723	8.432	8.025	7.856	7.835	7.405	7.763	7.416	7.502	7.580	7.471	7.527	7.484	7.484	
1421029	a at	Hbs11	NM 019702	Mm.25527	10	10.837	10.905	11.068	11.071	10.949	11.061	11.051	10.567	10.765	10.897	10.786	11.002	10.801	10.901	10.807	11.175	11.007	11.037	11.354	11.081	10.849	10.799	11.112	11.348	
1421030	at	Zfp64	NM 009564	Mm.2095	2	7.141	7.249	6.907	6.994	7.226	6.921	6.907	7.383	7.554	7.391	7.231	7.302	7.439	7.305	7.156	7.095	7.406	7.138	7.254	6.951	7.083	7.365	6.832	6.675	
1421031	a at	Z310016C08Rik	NM 023516	Mm.45161	6	7.637	7.637	7.590	7.546	7.497	7.637	7.749	7.684	7.611	7.522	7.776	7.458	7.582	7.545	7.619	7.631	7.792	7.717	7.738	7.750	7.675	7.587	7.762	7.587	
1421032	a at	Dnaib12	NM 019965	Mm.103610	10	6.841	7.032	6.623	6.736	7.012	6.553	6.534	7.186	7.029	6.844	6.707	7.194	6.858	6.738	6.640	6.709	7.486	7.050	6.593	6.839	7.080	7.407	6.626	6.776	
1421033	a at	Tcerq1	AW046403	Mm.270511	18	7.691	8.197	7.715	7.684	7.800	7.810	7.710	7.779	7.725	7.628	7.913	7.606	7.553	8.080	7.922	7.536	7.566	7.804	7.762	7.728	7.658	7.640	7.509	7.671	
1421034	a at	Il4ra	NM 010557	Mm.233802	7	7.857	8.524	7.280	7.614	7.609	7.249	7.284	7.855	8.767	8.246	8.971	7.748	7.824	8.364	7.553	7.642	7.095	7.103	7.046	6.875	7.131	7.117	7.575	7.384	
1421035	a at	Mao3	BB329638	Mm.264849	3	7.273	7.379	7.503	7.652	7.461	7.415	7.440	7.440	6.981	7.121	7.416	7.052	7.211	7.465	7.306	7.507	8.032	7.786	7.742	7.737	7.971	7.378	7.308	7.349	
1421036	at	Npas2	BGO70037	Mm.2380	1	5.717	5.557	5.798	5.656	5.794	5.647	5.632	5.579	5.663	5.506	5.531	5.571	5.720	5.493	5.568	5.549	5.798	5.638	5.525	5.851	5.712	5.525	5.755	5.791	
1421037	at	Npas2	BGO70037	Mm.2380	1	5.654	5.380	5.620	5.668	5.294	5.459	5.545	5.580	5.300	5.256	5.788	5.334	5.440	5.197	5.524	5.579	5.360	5.767	5.892	5.730	5.586	5.626	6.003	5.354	
1421038	a at	Kcnn4	NM 008433	Mm.9911	7	5.051	5.265	5.023	5.094	4.837	4.867	5.107	4.987	5.365	5.135	5.131	5.102	4.989	5.453	4.999	5.190	4.945	5.169	4.981	5.061	4.855	4.903	4.894	4.894	
1421039	at	Mip	NM 008600	Mm.31625	10	6.352	6.284	6.114	6.212	6.239	6.055	6.197	6.130	6.343	6.028	6.295	6.267	6.345	6.353	6.052	6.290	6.430	6.432	6.275	6.260	6.305	6.247	6.275	6.164	
1421040	a at	Gsta2	NM 008182	Mm.422778	9	4.422	4.237	4.538	4.606	4.250	4.205	4.504	4.359	4.271	4.467	4.138	4.504	4.370	4.626	4.458	4.478	4.189	4.313	4.408	4.515	4.597	4.501	4.435	4.344	
1421041	s at	Gsta2	NM 008182	Mm.422778	9	6.194	5.754	6.263	6.224	5.947	6.233	6.258	5.945	5.885	5.766	6.488	6.916	6.269	6.480	5.934	6.196	6.014	6.220	6.073	6.238	6.306	5.922	6.199	6.167	
1421042	at	Arhgef2	NM 008487	Mm.239329	3	7.271	7.602	7.214	7.316	7.490	7.371	7.187	7.451	7.634	7.567	7.652	7.852	7.538	7.553	7.505	7.253	7.272	7.334	7.456	7.390	7.465	7.204	7.221	7.268	
1421043	s at	Arhgef2	NM 008487	Mm.239329	3	8.079	8.367	8.248	8.184	8.948	8.159	8.042	8.606	8.795	8.478	8.507	8.466	8.608	8.386	8.358	8.157	8.521	8.294	8.129	8.305	8.403	8.587	8.076	8.136	
1421044	at	Mrc2	BS528408	Mm.235616	11	6.175	6.164	6.290	6.339	6.279	6.044	6.109	6.153	6.493	6.430	6.265	6.221	6.271	6.492	6.116	6.147	6.216	6.132	6.338	6.248	6.084	6.278	6.239	6.114	
1421045	at	Mrc2	BS528408	Mm.235616	11	9.078	10.466	8.938	9.382	10.375	9.472	9.225	9.319	11.026	10.832	9.940	10.722	10.758	10.554	10.177	9.027	8.879	8.836	8.913	8.599	8.665	8.649	8.640	8.976	
1421046	a at	Pabpc4	NM 130881	Mm.277091	4	10.964	11.144	11.121	11.409	11.420	11.329	11.003	10.865	10.774	11.018	11.015	11.307	11.024	10.991	11.143	11.236	11.286	11.307	11.411	11.403	11.195	11.006	11.224	11.484	
1421047	at	Smad5	U77638	Mm.272920	13	8.496	8.541	8.650	8.776	8.504	8.828	8.613	8.370	8.575	8.598	8.600	8.400	8.577	8.633	8.651	8.710	8.481	8.546	8.843	8.693	8.483	8.348	8.738	8.871	
1421048	a at	Yoe1	NM 023249	Mm.237941	16	6.891	7.007	7.003	7.066	7.134	6.981	6.937	7.131	7.177	7.254	7.203	7.094	7.339	6.952	7.116	7.074	7.086	7.037	7.020	7.104	7.107	7.279	7.072	6.925	
1421049	a at	009O20Rik	AK010249	Mm.230086	18	7.379	7.049	7.066	7.097	7.292	7.712	7.582	7.647	7.585	7.597	7.654	7.585	7.597	7.553	7.359	7.546	7.367	7.586	7.586	7.586	7.586	7.586	7.586	7.586	
1421050	at	Vns25	NM 026776	Mm.301020	11	7.734	7.930	7.502	7.577	7.980	7.572	7.565	7.976	7.579	7.667	6.011	7.769	6.061	5.570	5.453	5.882	5.980	5.725	5.385	5.246	5.385	5.246	5.385	5.246	
1421051	s at	Vns25	NM 026776	Mm.301020	11	7.953	7.916	8.208	8.057	7.977	8.069	7.946	7.068	7.690	7.897	7.652	7.898	7.656	7.688	7.932	8.196	7.467	8.036	7.771	8.045	7.811	7.330	7.830	7.782	
1421052	a at	Sms	NM 009214	Mm.18652	X	10.172	10.079	10.383	10.150	10.448	10.095	10.171	10.038	10.003	10.406	10.372	10.405	10.349	10.025	10.297	10.458	9.964	10.024	10.447	10.057	9.997	10.081	10.207	10.304	
1421053	at	Kif1a	NM 008440	Mm.276408	1	6.951	6.457	6.710	6.675	6.465	6.782	6.880	6.644	6.656	6.634	6.923	6.730	6.710	6.576	6.731	6.707	6.822	6.715	6.881	6.868	6.704	6.788	6.846	6.765	
1421054	at	Xpo4	NM 020506	Mm.202747	14	6.951	7.021	6.890	6.810	6.923	6.928	6.975	6.975	6.944	7.020	7.083	7.043	7.025	7.076	6.966	6.908	7.052	6.911	7.169	7.077	6.957	6.845	7.049	7.062	
1421055	at	Xpo4	NM 020506	Mm.202747	14	8.686	8.602	8.607	8.846	8.740	8.872	8.894	8.679	8.598	8.617	8.730	8.701	8.729	8.658	8.785	8.596	8.884	8.731	8.713	8.835	8.887	8.777	8.758	8.816	
1421056	at	Dnae1l3	BC012671	Mm.212554	14	5.269	4.986	5.134	5.219	5.090	4.927	5.225	5.209	5.265	4.944	5.313	4.876	5.102	5.060	5.099	5.325	5.152	5.034	5.336	5.319	5.154	5.033	5.412	5.318	
1421057	at	Arhgef13	BC012671	Mm.212554	14	5.398	5.202	5.168	5.279	5.199	5.023	5.443	5.573	5.294	5.566	5.616	5.594	5.566	5.538	5.575	5.525	5.248	5.325	5.525	5.525	5.525	5.525	5.525	5.525	
1421058	at	Adh7	NM 009626	Mm.8473	3	4.072	4.093	4.127	3.901	3.847	4.075	4.021	4.062	4.057	4.013	4.201	3.998	4.073	4.045	3.952	4.139	4.079	4.311	4.098	4.179	4.045	3.877	4.099	3.944	
1421059	a at	Ala2	NM 019998	Mm.22218	4	8.591	8.726	8.498	8.515	8.372	8.465	8.508	8.577	8.731	8.566	8.288	8.594	8.706	8.704	8.486	8.559	8.708	8.366	8.424	8.280	8.426	8.189	8.422	8.285	
1421060	at	Mllt1	AF312858	Mm.148748	17	4.585	4.847	4.543	4.596	4.674	4.566	4.534	4.451	4.643	4.799	4.674	4.558	4.756	4.695	4.391	4.497	4.697	4.557	4.533	4.484	4.571	4.474	4.595	4.557	
1421061	at	Gca1a	NM 008189	Mm.16224	17	6.350	6.612	6.340	6.490	6.089	6.490	6.679	6.415	6.305	6.272	6.330	6.290	6.292	6.129	6.383	6.396	6.120	6.315	6.308	6.382	6.235	6.326	6.335	6.340	6.240
1421062	s at	Ctla	NM 016760	Mm.298875	4	11.938	12.433	11.923	12.128	12.157	12.055	12.031	12.205	12.580	12.406	12.012	12.364	12.397	12.477	12.181	11.933	11.982	11.914	11.936	11.783	11.979	12.241	12.013	11.815	
1421063	s at	Snurf	NM 033174	Mm.274995	7	5.502	5.649	5.984	5.479	5.289	5.093	5.634	5.560																	

1421112	at	Nkx2-2	NM	010919	Mm.330639	2	4.914	4.649	4.687	4.796	4.731	4.606	4.750	4.669	4.732	4.604	4.763	4.653	4.647	4.728	4.786	4.723	4.675	4.764	4.647	4.912	4.693	4.414	4.781	4.784		
1421113	at	Pqa5	NM	021453	Mm.34037	9	7.775	7.539	7.909	7.666	7.595	7.630	7.736	7.968	8.026	7.651	7.834	7.614	7.653	7.863	7.667	7.804	7.633	7.785	7.661	7.597	7.546	7.464	7.696	7.467		
1421114	a	at	Edvc	NM	007884	Mm.148886	10	4.504	4.276	4.498	4.397	4.323	5.579	4.528	4.405	4.264	4.858	4.484	4.662	4.606	4.522	4.861	4.439	4.644	4.528	4.751	4.429	4.969	4.440	4.385	4.422	
1421115	a	at	Zdhnc16	NM	023740	Mm.20387	19	8.796	9.484	8.992	8.842	9.047	8.814	8.818	9.036	9.509	9.297	8.895	9.322	9.227	9.283	9.020	8.751	9.045	9.006	8.887	8.810	8.969	9.147	8.770	8.784	
1421116	a	at	Rtn4	NM	024225	Mm.15260	11	10.040	11.552	9.737	8.696	11.365	10.161	8.875	10.316	12.322	12.302	11.684	11.631	11.628	12.270	11.207	9.858	9.768	9.455	9.830	9.376	9.272	9.333	9.420	9.281	
1421117	at	Dist	NM	010081	Mm.336625	1	6.392	6.695	5.969	6.250	6.211	6.166	6.493	6.209	6.665	6.550	6.713	6.163	6.306	6.823	6.839	6.208	6.133	6.087	6.019	6.325	6.195	6.054	6.372	6.520		
1421118	a	at	Gpr56	NM	018882	Mm.290834	8	9.153	8.931	9.088	8.882	8.901	8.691	8.645	8.852	8.613	8.816	9.001	8.797	9.968	8.639	9.154	9.061	8.692	8.811	8.682	8.693	9.285	9.152	9.702	9.547	
1421119	at	Klf21b	NM	019962	Mm.276135	1	6.294	5.742	6.438	6.323	6.015	5.800	6.159	6.297	5.863	5.960	6.096	6.134	6.104	6.175	6.164	6.207	6.233	6.044	6.201	6.449	6.269	5.961	6.204	6.104		
1421120	at	Mv06	NM	008662	Mm.4040	9	5.823	5.564	5.641	5.460	5.608	5.694	5.646	5.601	5.658	5.568	5.763	5.680	5.801	5.639	5.677	5.743	5.691	5.761	5.702	5.926	5.572	5.389	5.643	5.892		
1421121	at	Akap10	NM	019921	Mm.274404	11	6.474	6.752	6.675	6.787	6.693	6.822	6.833	6.692	6.804	7.007	6.965	6.803	6.846	6.860	6.766	6.669	6.788	6.611	6.822	6.878	6.822	6.714	6.789	6.899		
1421122	at	Cbl1	AF167441	Mm.273270	12	8.107	8.429	8.142	8.160	7.985	8.106	8.106	8.301	8.079	8.286	8.079	8.115	8.126	8.098	8.221	8.203	8.232	8.297	8.174	8.021	8.197	8.158	8.159	8.177	8.177		
1421123	at	Cdk5r1	NM	008971	Mm.142275	11	6.379	6.000	6.708	6.526	6.345	6.491	6.631	6.258	6.445	6.224	6.424	6.279	6.395	6.457	6.558	6.719	6.452	6.526	6.409	6.691	6.518	6.273	6.442	6.619		
1421124	at	Cdk5r1	NM	009871	Mm.142275	11	6.942	6.664	6.835	6.847	6.881	6.773	6.914	6.816	6.852	6.724	7.013	6.709	6.728	6.898	6.968	6.828	6.823	6.819	6.765	6.948	6.847	6.691	6.719	6.782		
1421125	at	Strb0	NM	009261	Mm.436522	2	4.914	4.751	4.966	4.846	4.867	4.694	4.924	4.929	4.560	4.782	4.927	5.022	4.947	4.722	4.545	5.081	4.806	4.845	4.823	5.017	4.989	4.752	4.739	4.838		
1421126	at	Ryr2	NM	023686	Mm.239871	13	8.474	7.983	8.565	8.328	8.355	8.143	8.277	7.619	7.478	8.380	8.209	8.181	7.866	7.647	8.231	8.625	7.901	7.906	8.320	8.244	7.743	7.945	8.183	8.650		
1421127	at	Tmem42	NM	025339	Mm.347935	9	9.114	8.945	9.040	9.080	9.337	9.094	8.925	9.178	8.923	8.724	8.709	9.028	9.047	8.593	8.892	8.947	9.658	9.297	9.071	9.054	9.456	9.690	8.900	8.903		
1421128	at	Zrsr2	NM	009453	Mm.426178	X	5.408	5.000	5.412	5.127	5.073	5.336	5.137	5.063	4.967	4.986	5.218	5.036	5.122	5.061	5.310	5.256	5.289	5.251	5.391	5.291	5.341	5.216	5.442	5.500		
1421129	a	at	Atp2a3	NM	016745	Mm.6306	11	8.809	8.626	8.948	9.047	8.925	8.978	9.008	8.739	8.732	8.876	8.827	8.851	8.771	8.934	8.836	9.141	8.795	8.889	8.986	8.888	8.894	8.550	9.002	8.952	
1421130	at	Ptp111	AV174549	Mm.448367	7	7.260	6.548	7.232	7.224	6.959	7.147	7.141	7.067	6.888	6.885	7.078	6.953	6.998	7.096	6.994	7.292	6.930	6.905	7.102	7.333	7.150	7.069	7.577	7.364	7.617		
1421131	a	at	Zfp111	AV174549	Mm.448367	7	5.651	5.428	5.608	5.330	5.476	5.582	5.653	5.463	5.491	5.351	5.479	5.478	5.451	5.524	5.349	5.459	5.502	5.416	5.389	5.422	5.488	5.601	5.501	5.326		
1421132	at	Pvr1	NM	021496	Mm.328072	16	6.367	6.307	6.451	6.277	6.329	6.536	6.462	6.239	6.449	6.177	6.451	6.382	6.357	6.398	6.298	6.463	6.284	6.276	6.306	6.257	6.367	6.197	6.588	6.426	6.426	
1421133	at	Pvr13	NM	021496	Mm.328072	16	8.076	7.925	7.920	7.861	7.858	7.611	7.735	7.906	8.138	7.993	8.062	7.986	8.197	7.696	7.829	7.954	7.932	7.963	7.828	7.846	7.821	7.903	8.005	7.660		
1421134	at	Areq	NM	009704	Mm.8039	5	4.900	5.021	4.768	4.786	4.752	4.814	4.939	4.988	5.009	4.724	4.965	4.618	4.796	4.853	4.953	4.670	4.945	4.817	4.710	4.646	5.126	4.811	4.858	5.120		
1421135	a	at	Cn0t8	NM	026949	Mm.28910	11	8.669	9.196	8.757	8.641	8.856	8.882	8.876	8.509	8.896	8.981	8.791	8.905	8.854	8.953	8.986	8.803	8.515	8.797	9.006	8.913	8.706	8.621	8.859	8.951	
1421136	at	Edn3	NM	007903	Mm.9478	2	5.203	4.724	5.060	4.954	5.180	4.676	4.873	5.470	4.809	4.634	5.448	4.740	5.074	4.682	4.830	4.960	4.626	4.732	4.692	4.917	4.774	4.795	4.739	4.735		
1421137	a	at	Pk1b	AV047342	Mm.262135	10	5.941	7.179	6.128	6.244	6.065	6.181	6.525	5.952	7.052	6.511	5.887	5.932	5.992	6.865	6.323	6.218	6.329	6.539	6.065	6.506	5.774	6.598	6.185	6.317		
1421138	a	at	Rap32	NM	026265	Mm.262135	10	6.947	4.797	4.712	4.724	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	
1421139	a	at	Zfp386	NM	019565	Mm.426178	12	6.766	7.022	7.472	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022	7.472	7.022
1421140	a	at	Foxp1	BG962849	Mm.234965	6	9.116	9.377	8.955	9.065	9.225	8.937	8.860	9.088	9.546	9.307	9.110	9.490	9.615	9.319	9.227	8.825	9.160	9.050	9.102	8.959	9.031	9.009	9.079	8.805	9.079	
1421141	a	at	Foxp1	BG962849	Mm.234965	6	5.156	5.458	5.030	5.322	5.179	5.196	5.206	5.365	5.793	5.507	5.333	5.389	5.572	5.499	5.512	5.285	5.194	5.124	5.111	5.071	5.195	5.138	5.376	5.203	5.203	
1421142	s	at	Foxp1	BG962849	Mm.234965	6	7.272	7.369	7.317	7.361	7.224	7.231	7.243	7.517	7.577	7.680	7.711	7.625	7.513	7.524	7.408	7.420	7.307	7.111	7.237	7.068	7.455	7.299	7.264	7.225	7.225	
1421143	at	Diap1	NM	007858	Mm.159516	18	8.027	8.292	8.046	7.996	7.984	7.829	7.923	8.066	8.128	7.967	8.209	7.809	7.995	8.318	7.977	7.973	7.844	7.835	7.913	8.024	7.867	7.832	8.044	8.044	8.151	
1421144	at	Rpor1	NM	023879	Mm.21662	14	6.319	6.203	6.222	6.011	6.269	6.207	6.330	6.701	6.278	6.227	6.256	6.058	6.136	6.272	6.216	6.163	6.220	6.407	6.270	6.285	6.367	6.690	6.090	6.105	6.105	
1421145	at	Sic26a2	NM	007885	Mm.24803	18	6.999	7.061	6.855	6.753	6.693	6.867	7.131	7.103	7.034	6.986	6.939	7.062	6.952	7.218	6.975	6.768	6.900	7.088	6.999	6.795	7.003	7.222	7.001	6.723	7.001	
1421146	at	Rap32	NM	026265	Mm.262135	10	6.947	4.797	4.712	4.724	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	4.584	4.764	
1421147	at	Ter12	NM	009353	Mm.6402	8	8.782	8.938	8.973	8.977	8.969	8.881	8.763	8.818	8.992	9.001	8.836	9.123	8.995	8.913	8.922	8.951	9.034	9.057	8.956	8.930	8.974	9.082	8.907	8.898	8.898	
1421148	a	at	Tial1	NM	009383	Mm.242072	7	8.621	9.356	8.877	8.933	8.773	8.862	8.966	8.551	8.913	9.032	8.841	8.690	8.758	9.221	8.866	8.741	8.405	8.494	8.638	8.774	8.371	8.372	8.624	8.945	
1421149	a	at	Attn1	NM	007881	Mm.333380	6	7.206	7.567	6.662	7.053	7.470	6.639	6.720	7.738	7.751	7.541	7.144	7.199	7.670	7.077	7.097	6.926	7.605	7.363	6.927	6.752	7.354	7.028	6.899	6.753	
1421150	at	Hivep3	NM	010657	Mm.302758	4	7.559	7.404	7.429	7.566	7.596	7.492	7.374	7.512	7.500	7.513	7.890	7.499	7.487	7.570	7.580	7.486	7.437	7.536	7.453	7.639	7.502	7.309	7.606	7.476	7.476	
1421151	at	Epha2	NM	010139	Mm.2581	4	8.508	8.861	8.676	8.559	8.837	8.449	8.583	8.510	8.858	8.809	8.895	8.722	8.621	8.55												

1421201	a	at	Tro	AF241244	Mm.3597	X	6.922	7.032	6.482	6.732	6.810	6.685	6.599	6.950	7.160	6.906	6.595	6.912	6.909	6.696	6.719	6.587	6.838	6.821	6.741	6.635	6.860	6.811	6.740	6.601
1421202	at	Chrn4a	BB748443	Mm.252369	2	7.430	7.153	7.634	7.465	7.230	7.240	7.065	7.436	7.220	7.065	7.025	7.145	7.212	7.219	7.124	7.377	7.442	7.106	7.382	7.345	7.445	7.364	7.353	7.452	7.490
1421203	at	Chrn4a	BB748443	Mm.252369	2	8.311	8.067	8.057	8.242	8.198	8.077	8.271	8.320	8.216	8.047	8.135	8.015	8.192	8.248	8.167	8.200	7.968	8.056	8.160	8.118	8.138	7.937	8.295	8.150	
1421204	a	at	Chrn16	NM 029385	Mm.305810	9	8.410	8.269	8.152	8.356	8.472	8.273	8.209	8.457	8.525	8.256	8.691	8.551	8.425	8.088	8.124	8.055	8.023	8.026	8.062	7.988	8.086	7.899	7.876	
1421205	at	Altn	NM 007489	Mm.5088	8	7.201	7.574	7.596	7.734	6.579	7.917	7.282	7.173	6.112	6.300	6.900	7.256	7.233	7.995	7.084	7.548	6.813	7.348	7.413	7.259	6.548	7.508	7.227	7.120	
1421206	at	Lif	AF065917	Mm.4964	11	6.484	6.025	6.640	6.525	6.320	6.446	6.373	6.539	6.503	6.348	6.578	6.306	6.446	6.220	6.601	6.509	6.602	6.606	6.612	6.664	6.634	6.573	6.557	6.601	
1421207	at	Lif	AF065917	Mm.4964	11	7.465	8.039	7.419	7.326	7.321	7.432	7.295	7.443	7.955	7.857	7.985	7.561	7.837	7.870	7.373	7.318	7.349	6.977	7.080	7.364	7.228	7.193	7.229	7.320	
1421208	at	Ikbkq	NM 010547	Mm.12967	X	8.029	7.729	7.963	7.889	7.645	7.761	7.979	7.667	8.004	7.932	8.708	7.755	7.835	7.625	7.832	7.937	7.837	7.680	7.633	7.769	7.956	7.794	7.991	8.136	
1421209	s	at	Ikbkq	NM 010547	Mm.12967	X	8.754	8.910	8.863	8.667	8.715	8.746	8.896	8.584	8.855	9.091	8.760	8.744	8.699	8.927	8.695	8.812	8.550	8.692	8.686	8.689	8.696	8.758	8.855	8.741
1421210	at	Cltta	AF042158	Mm.249560	16	6.519	6.395	6.479	6.641	6.564	6.462	6.675	6.608	6.653	6.455	6.448	6.495	6.573	6.601	6.339	6.611	6.462	6.569	6.515	6.461	6.877	6.465	6.579	6.238	
1421211	a	at	Cltta	AF042158	Mm.249560	16	6.448	6.407	6.053	6.161	6.470	6.237	6.303	6.115	6.713	6.233	6.096	6.593	6.267	6.300	6.232	6.107	6.302	6.238	5.953	6.374	6.463	6.178	6.141	5.973
1421212	at	Abdc6	NM 018795	Mm.63514	7	6.568	6.204	6.474	6.359	6.298	6.533	6.406	6.353	6.303	6.133	6.312	5.995	6.302	6.389	6.126	6.365	6.442	6.520	6.294	6.770	6.389	5.954	6.550	6.336	
1421213	at	Edaradd	NM 133643	Mm.159671	13	7.456	7.108	7.562	7.403	7.283	7.144	7.546	7.292	7.309	7.361	7.360	7.129	7.166	7.404	7.035	7.484	7.264	7.143	7.342	7.593	7.388	7.152	7.233	7.511	
1421214	at	Cmah	NM 007717	Mm.8396	13	6.917	6.542	6.491	6.854	6.804	6.928	6.978	6.791	6.992	6.908	6.844	6.614	6.821	7.007	6.784	6.844	6.573	6.832	6.973	6.878	6.671	6.749	6.599	6.904	
1421215	a	at	SImap	NM 032008	Mm.36769	14	8.301	7.952	7.703	7.546	7.925	7.781	8.077	8.601	7.617	8.250	8.589	8.464	8.224	8.019	8.877	7.991	7.552	7.389	7.166	8.039	8.373	8.351	8.129	8.937
1421216	a	at	Ids	NM 010498	Mm.233083	X	7.215	7.075	7.125	7.180	6.975	7.041	7.098	6.936	7.049	7.023	7.228	7.025	7.008	7.048	7.111	7.346	7.194	7.170	7.183	7.276	7.329	7.097	7.188	7.256
1421217	a	at	Lqals9	NM 010708	Mm.341434	11	8.400	9.293	8.235	8.368	8.701	8.467	8.530	9.534	9.016	8.885	9.276	8.910	8.944	9.088	8.641	8.309	8.810	8.604	8.287	8.519	8.823	8.992	8.436	8.138
1421218	at	Bche	NM 009738	Mm.250719	3	6.505	6.352	6.551	6.615	6.555	6.721	6.628	6.476	6.320	6.608	6.266	6.495	6.552	6.717	6.628	6.511	6.546	6.738	6.702	6.571	6.469	6.705	6.644		
1421219	at	Thl17	NM 133923	Mm.388573	6	6.388	6.717	6.101	6.397	6.553	6.324	6.174	6.232	6.755	6.513	6.361	6.672	6.783	6.375	6.274	6.087	6.324	6.125	6.019	6.019	6.540	6.386	6.661	6.512	
1421220	at	Ankrd1	NM 030886	Mm.245522	5	6.611	6.498	6.538	6.645	6.604	6.458	6.684	6.793	6.616	6.677	6.672	6.665	6.566	6.797	6.588	6.466	6.954	6.798	6.702	6.812	6.689	6.762	6.705	6.759	
1421221	at	Bco2	NM 133217	Mm.390149	9	6.956	6.620	6.851	6.984	6.646	6.711	6.717	6.630	6.646	6.488	6.582	6.483	6.750	6.976	6.834	6.989	6.833	6.771	6.569	6.956	6.650	6.721	6.722	6.671	
1421222	at	Ftjpl1	NM 024183	Mm.272468	5	4.630	4.851	4.747	4.756	4.723	4.767	4.745	4.894	4.996	4.729	4.704	4.744	4.721	4.652	4.621	4.699	4.656	4.751	4.662	4.881	4.855	4.731	4.886	4.775	
1421223	a	at	Anxa4	NM 013471	Mm.259702	6	9.485	10.418	9.447	9.331	9.883	9.693	9.472	9.723	10.458	10.409	7.784	10.043	10.125	10.374	9.850	9.311	8.918	8.873	9.433	8.900	9.051	9.210	9.114	9.258
1421224	a	at	Hnf1b	AB008174	Mm.7226	11	7.036	6.747	6.655	6.853	6.773	6.902	6.786	7.141	6.808	6.887	7.077	6.769	6.804	6.997	6.732	7.107	6.853	6.791	7.040	6.984	7.160	6.928	7.079	7.005
1421225	a	at	Slc4a4	NM 018760	Mm.41044	5	8.679	8.315	8.637	8.814	8.863	8.850	8.793	8.607	8.018	8.134	8.331	8.498	8.450	8.334	8.390	8.685	9.151	8.902	8.999	8.772	8.856	8.853	8.618	8.901
1421226	at	Trem2	NM 021410	Mm.261263	17	5.987	5.841	5.698	5.875	5.560	5.928	5.891	5.686	5.795	5.588	5.921	5.820	5.934	6.046	6.005	5.913	5.940	5.919	6.060	6.106	5.893	5.772	5.902	6.234	
1421227	at	Gzme	NM 030373	Mm.341241	19	8.424	8.104	8.981	8.454	8.198	8.987	8.282	8.416	8.255	8.404	8.112	8.268	8.315	8.971	8.046	8.315	8.971	8.046	8.315	8.971	8.046	8.315	8.971	8.046	8.315
1421228	at	Ccl7	AF128102	Mm.41194	17	6.343	6.343	7.369	7.369	5.079	7.677	7.897	7.149	7.553	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680	6.680
1421229	at	Dffb	NM 007859	Mm.388918	4	6.038	5.633	5.694	5.734	5.736	5.790	5.862	5.764	5.836	5.660	5.801	5.839	5.834	5.829	5.825	5.881	5.798	5.907	5.687	5.767	5.934	5.920	5.831	5.688	
1421230	a	at	Msi2	BI696168	Mm.400451	11	10.254	10.015	10.126	10.189	9.934	10.059	10.028	9.794	9.697	9.860	9.886	9.989	9.869	9.992	9.913	10.082	10.064	10.030	10.046	10.066	9.881	9.937	10.111	9.987
1421231	at	Msi2	BI696168	Mm.400451	11	4.570	4.518	4.671	4.602	4.548	4.724	4.720	4.459	4.764	4.588	4.474	4.507	4.531	4.625	4.592	4.618	4.627	4.768	4.721	4.655	4.351	4.381	4.743	4.628	
1421232	at	Plxn1	NM 008881	Mm.3789	6	6.139	5.935	5.928	6.066	5.854	5.731	5.806	5.998	6.065	5.988	5.954	5.851	5.850	5.922	5.903	5.548	5.957	5.826	5.655	5.748	5.642	6.035	6.072	6.239	5.993
1421233	at	Pknox1	AA409923	Mm.259295	17	6.039	6.462	6.322	6.548	6.257	6.579	6.334	5.818	6.232	6.562	6.624	6.166	5.948	6.347	6.384	6.648	6.448	6.516	6.046	6.297	6.349	6.411	5.919	6.761	6.529
1421234	at	Hnf1a	NM 009327	Mm.332607	5	5.895	5.886	6.064	6.117	5.792	5.938	6.268	6.306	5.900	5.907	6.029	6.002	6.054	6.091	6.011	6.161	6.219	5.998	6.159	6.238	6.106	6.217	6.217	5.981	
1421235	at	Reclp5	NM 030886	Mm.139905	19	7.921	7.928	7.330	7.593	7.270	7.763	7.956	7.955	7.233	7.594	7.272	7.207	7.978	7.785	7.785	7.785	7.785	7.785	7.785	7.785	7.785	7.785	7.785	7.785	7.785
1421236	at	Ripk2	NM 138952	Mm.112765	4	8.121	7.982	8.310	8.198	8.062	8.159	8.254	8.225	8.230	8.027	8.322	7.876	8.093	8.141	8.279	8.152	8.165	8.134	8.256	8.240	7.970	8.098	8.260	8.140	
1421237	at	Tmpo	NM 011605	Mm.159684	10	4.855	4.979	5.056	4.829	4.908	4.976	4.670	4.823	4.619	4.806	4.922	4.675	5.014	4.913	5.010	5.048	4.568	4.461	5.063	4.967	4.467	4.682	5.051	5.088	
1421238	a	at	Ptprt	NM 021464	Mm.235807	2	7.219	6.853	7.048	7.064	6.958	6.726	6.835	7.078	6.937	6.788	7.028	6.920	6.923	6.884	6.913	6.916	6.917	6.782	6.845	7.129	7.121	6.784	6.936	6.882
1421239	at	Il6st	AA717838	Mm.4364	13	6.982	6.839	7.267	7.260	7.028	6.887	6.924	6.802	6.632	6.824	6.989	6.598	6.831	7.250	6.940	7.177	6.972	6.844	7.215	7.154	6.478	6.566	7.704	7.292	
1421240	at	Ern1	NM 023913	Mm.340943	11	7.985	7.571	7.844	7.994	7.763	7.990	7.815	7.818	7.956	7.738	7.972	7.837	7.739	7.987	7.838	7.781	7.607	7.845	7.724	7.994	7.950	7.824	7.845	7.950	
1421241	at	Nfrf	BI151406	Mm.283893	11	6.636	6.425	6.185	6.532	6.385	6.359	6.579	6.539																	

1421290	at	Hspb7	BG968304	Mm.46181	4	13.119	12.500	13.111	12.412	12.836	12.591	12.537	12.061	12.707	13.343	13.261	12.541	12.540	12.446	13.197	13.331	11.964	12.722	13.026	12.970	12.292	11.766	12.904	12.971
1421291	at	Il18rap	NM 010553	Mm.20466	1	7.293	7.090	7.077	7.089	7.121	7.074	7.190	7.084	7.159	7.052	7.134	6.988	7.259	7.241	7.007	7.145	7.204	6.913	7.196	7.200	7.474	7.710	7.294	7.244
1421292	a at	Cobra1	NM 021393	Mm.116418	2	9.930	10.182	9.888	10.074	9.989	10.087	9.902	10.042	10.196	10.025	9.902	10.007	9.963	10.147	10.037	10.024	10.318	10.050	10.132	10.157	10.069	10.222	10.094	9.932
1421293	at	Hdgfl1	AF180109	Mm.7411	13	6.119	6.073	5.944	6.144	6.255	6.313	6.343	6.229	6.164	6.022	6.380	6.005	6.067	6.068	6.259	6.280	6.409	6.128	6.348	6.023	5.967	5.961	5.950	6.294
1421294	at	Hdgfl1	AF180109	Mm.7411	13	7.692	7.246	7.063	7.466	7.547	7.473	7.564	7.682	7.445	7.282	7.706	7.426	7.634	7.504	7.921	7.729	7.578	7.406	7.598	7.658	7.677	7.468	7.704	7.531
1421295	at	Chrd11	NM 031258	Mm.476088	X	6.430	6.191	6.114	6.103	6.240	6.093	6.059	6.117	6.045	5.840	5.755	5.189	6.010	6.262	6.134	6.140	6.315	6.188	6.083	6.204	6.362	6.174	6.181	6.356
1421296	at	Tnfrsf10b	NM 020275	Mm.193430	14	6.324	6.363	6.222	6.182	6.257	6.011	6.091	6.235	6.223	6.150	6.299	6.052	6.268	6.122	6.095	6.205	6.466	5.948	6.234	6.420	6.171	6.119	6.298	6.070
1421297	a at	Cacna1c	NM 009781	Mm.634656	6	12.390	11.680	12.517	12.455	12.129	12.130	12.077	11.659	11.427	11.869	11.826	11.843	11.763	11.487	12.047	12.615	11.953	11.869	12.020	11.945	11.998	11.933	12.344	12.292
1421298	a at	Hspk1	NM 010432	Mm.20827	3	6.727	6.643	6.644	6.663	6.678	6.598	6.572	6.654	6.960	7.210	6.881	6.483	6.628	6.486	6.593	6.661	6.641	6.741	6.677	6.531	6.774	6.702	6.838	6.850
1421299	a at	Lef1	NM 010703	Mm.255219	3	5.903	5.456	5.864	5.849	5.846	5.795	5.829	5.746	5.869	5.789	5.823	5.624	5.694	5.612	5.993	5.954	6.107	5.947	5.830	5.961	5.906	5.810	6.019	5.948
1421300	at	Adarb2	NM 052977	Mm.425794	13	6.120	5.497	5.941	5.987	5.747	5.825	5.843	6.063	5.845	5.838	5.052	5.755	6.089	5.896	5.983	5.897	5.806	5.797	5.931	6.116	6.008	5.907	6.002	6.105
1421301	at	Zk2	NM 009574	Mm.309396	14	5.780	5.511	5.629	5.454	5.558	5.652	5.781	5.564	5.559	5.591	5.739	5.659	5.513	5.709	5.708	5.683	5.564	5.566	5.551	5.794	5.635	5.550	5.572	5.652
1421302	a at	Gna15	NM 010304	Mm.15446	10	6.190	6.371	6.338	6.528	6.386	6.232	6.102	5.911	6.595	6.130	6.181	6.357	6.143	6.308	6.213	5.954	6.170	6.065	6.196	6.248	6.048	6.258	6.064	
1421303	at	Ikzf1	NM 009578	Mm.103545	11	7.523	7.441	7.364	7.571	7.394	7.562	7.633	7.520	7.512	7.508	7.529	7.551	7.432	7.507	7.544	7.524	7.523	7.575	7.367	7.597	7.406	7.444	7.533	7.589
1421304	at	Klra2	NM 008462	Mm.4783	6	4.354	4.216	4.215	4.267	4.070	4.230	4.163	4.200	4.306	4.277	4.168	4.169	4.165	4.229	4.242	4.284	4.042	4.140	4.241	4.300	4.272	4.322	4.224	4.156
1421305	x at	Rabep1	NM 019400	Mm.7087	11	7.451	7.252	7.414	7.275	7.387	7.235	7.143	7.417	7.235	7.417	7.423	7.358	7.427	7.304	7.289	7.362	7.370	7.240	7.172	7.219	7.273	7.317	7.277	7.464
1421306	a at	Hdac9	NM 024124	Mm.310551	12	6.392	6.128	6.299	6.375	6.298	6.370	6.345	6.599	6.135	6.136	6.361	6.339	6.327	6.301	6.297	6.368	6.520	6.422	6.510	6.495	6.347	6.361	6.226	6.451
1421307	at	Car13	AK010166	Mm.158776	3	6.327	7.150	6.307	6.388	6.226	6.469	6.553	6.128	6.788	6.824	6.672	6.408	6.511	7.074	6.254	6.377	6.039	6.274	6.444	6.396	6.322	5.761	5.955	6.396
1421308	at	Car13	AK010166	Mm.158776	3	4.699	5.165	5.061	4.872	4.759	5.107	4.999	4.701	4.871	5.023	4.979	4.698	4.828	5.261	4.907	5.001	4.802	4.915	4.859	4.770	4.824	4.685	4.757	4.689
1421309	at	Hdm1	NM 008598	Mm.404219	7	8.230	7.908	7.952	8.101	8.040	8.036	8.107	8.163	7.858	7.776	7.930	8.349	7.993	8.073	8.126	7.910	8.541	8.189	8.109	8.263	8.246	8.276	8.208	8.088
1421310	at	4921517D21Rik	NM 026338	Mm.390222	9	6.579	6.095	6.067	6.308	6.351	6.353	6.465	6.425	6.557	6.346	6.793	6.329	6.374	6.396	6.390	6.255	6.345	6.467	6.510	6.594	6.553	6.433	6.457	6.414
1421311	at	Pcdh10	NM 011043	Mm.242644	3	6.007	5.742	5.738	5.739	6.008	5.980	6.098	5.957	5.865	5.904	6.080	5.923	6.078	6.062	5.865	5.934	5.909	5.925	5.755	5.892	5.905	5.922	6.017	5.947
1421312	a at	Klfc2	NM 010630	Mm.378950	15	7.939	7.549	8.129	7.957	8.013	8.196	8.002	7.927	7.618	7.717	7.922	7.802	7.770	7.744	7.987	8.070	8.055	8.101	8.197	8.337	7.940	7.848	8.007	8.275
1421313	s at	Cttn	BI688355	Mm.205601	7	7.191	8.041	7.338	7.490	7.626	7.575	7.245	7.319	7.621	8.146	7.569	7.230	7.575	8.061	7.695	7.448	6.933	7.041	7.509	7.375	6.859	6.521	7.390	7.363
1421314	at	Cttn	BI688355	Mm.205601	7	6.569	6.379	6.442	6.403	6.418	6.579	6.848	6.643	6.465	6.545	7.129	6.518	6.473	6.695	6.559	6.328	6.426	6.539	6.520	6.643	6.533	6.638	6.636	6.647
1421315	s at	Cttn	BI688355	Mm.205601	7	9.003	9.909	9.064	9.010	9.457	9.326	8.896	8.668	9.966	10.095	9.778	9.676	9.747	10.151	9.579	9.237	8.519	8.777	9.130	9.127	8.581	8.393	9.352	9.111
1421316	at	Mylb	NM 033597	Mm.158107	10	5.374	5.103	5.365	5.234	5.137	5.308	5.256	5.394	5.775	5.447	5.896	5.486	5.508	5.272	5.294	5.272	5.305	5.255	5.305	5.255	5.282	5.292	5.282	5.255
1421317	at	Mylb	NM 033597	Mm.158107	10	4.857	4.407	4.277	4.669	4.422	4.939	4.896	4.794	4.759	4.848	4.759	4.848	4.759	4.848	4.759	4.848	4.759	4.848	4.759	4.848	4.759	4.848	4.759	4.848
1421318	at	Ndst4	NM 022555	Mm.444289	3	6.915	6.724	6.953	6.663	6.612	6.828	7.105	6.687	6.558	6.638	6.801	6.895	6.785	6.734	6.831	7.045	6.783	6.766	6.870	7.136	6.853	6.784	6.840	6.982
1421319	at	Ptfnr1	NM 011197	Mm.24807	3	7.389	7.371	7.289	7.483	7.329	7.335	7.221	7.275	7.339	7.314	7.531	7.235	7.240	7.443	7.263	7.323	7.236	7.296	7.210	7.388	7.309	7.439	7.340	7.244
1421320	a at	Qtrtd1	NM 029128	Mm.275354	16	5.956	5.791	5.825	5.799	5.675	6.296	5.913	5.875	5.733	5.668	6.205	5.705	5.845	5.852	5.943	5.962	6.077	5.790	5.990	6.180	5.924	5.774	6.065	6.035
1421321	a at	Net1	NM 019671	Mm.22261	13	4.873	4.811	5.179	5.010	5.113	5.144	4.998	5.136	5.022	5.114	5.168	5.072	4.961	5.007	5.190	5.117	5.097	4.971	5.224	5.167	5.094	5.011	4.957	5.091
1421322	a at	Irf9	NM 008394	Mm.2032	14	7.680	8.211	7.803	7.854	7.948	7.930	8.982	8.008	8.019	8.043	8.137	8.001	8.047	7.905	8.041	7.730	7.761	7.749	7.633	7.613	7.924	7.957	8.063	7.744
1421323	a at	G3nb2	NM 011816	Mm.290530	5	11.279	11.774	11.234	11.468	11.696	11.473	11.516	11.388	11.572	11.513	11.412	11.803	11.689	11.546	11.503	11.227	11.596	11.641	11.610	11.510	11.546	11.473	11.151	11.109
1421324	at	Klfc2	NM 010630	Mm.378950	7	8.330	8.157	8.502	8.275	8.053	8.917	8.309	7.763	7.932	7.992	8.351	7.859	7.949	8.053	8.135	7.946	8.356	8.423	8.246	8.356	8.423	8.246	8.356	8.423
1421325	at	Pia2q2f	NM 012045	Mm.331989	4	6.950	6.720	7.121	7.105	6.871	6.685	6.956	6.971	6.980	6.770	6.840	6.943	6.916	7.046	6.885	6.967	7.053	6.753	7.022	7.071	7.096	7.062	7.215	7.036
1421326	at	Csf2r1b	NM 007780	Mm.235324	15	6.898	6.893	6.508	6.704	6.541	6.549	6.748	6.448	6.794	6.763	6.810	6.450	6.592	7.349	6.686	6.710	6.446	6.245	6.531	6.324	6.219	6.334	6.297	6.218
1421327	at	Mtap2	BM937510	Mm.256966	1	5.691	5.458	5.479	5.825	5.500	5.544	5.508	5.605	5.445	5.236	5.690	5.592	5.501	5.535	5.449	5.434	5.495	5.506	5.616	5.352	5.652	5.482	5.524	5.519
1421328	at	Mtap2	BM937510	Mm.256966	1	4.676	4.504	4.837	4.675	4.453	4.641	4.726	4.554	4.615	4.505	4.678	4.560	4.511	4.533	4.671	4.697	4.659	4.473	4.695	4.402	4.700	4.567	4.891	4.594
1421329	a at	Smyd1	NM 009762	Mm.234274	6	7.883	7.559	7.899	7.790	7.666	7.702	7.896	7.765	7.656	7.957	7.407	7.532	7.548	7.624	7.834	7.745	7.908	7.811	7.552	7.752	7.726	7.767	7.681	7.755
1421330	at	Ptfn4	NM 019333	Mm.458796	1	6.467	6.472	6.469	6.324	6.308	6.409	6.538	6.629	6.261	6.326</														

1421379	at	Zfp354b	AF184112	Mm.74670	11	5.816	5.911	6.355	6.218	6.164	6.168	6.303	6.129	5.842	5.838	6.169	5.876	6.020	5.883	6.114	6.222	6.566	6.688	6.400	6.508	6.167	6.304	6.527	6.062	
1421380	at	Insr	NM 010568	Mm.268003	8	5.616	5.448	5.466	5.269	5.581	5.240	5.520	5.415	5.125	5.192	5.581	5.397	5.439	5.594	5.451	5.453	5.331	5.476	5.297	5.608	5.346	5.212	5.520	5.445	
1421381	a at	Col9a1	NM 007740	Mm.154662	1	7.623	7.283	7.712	7.622	7.533	7.591	7.648	7.362	7.536	7.500	7.478	7.516	7.577	7.526	7.583	7.658	7.729	7.661	7.639	7.764	7.805	7.479	7.650	7.656	
1421382	at	Prlr	NM 008932	Mm.10516	15	7.320	6.358	7.016	7.075	6.893	7.064	7.142	7.082	6.937	6.968	6.968	6.893	7.021	6.994	6.974	7.135	7.038	7.048	7.033	7.344	7.474	7.135	6.796	7.222	7.230
1421383	at	Ccdc82	NM 036334	Mm.209030	9	5.363	5.395	5.222	5.530	5.000	5.107	5.009	5.352	5.292	5.313	5.100	5.093	5.156	5.196	5.195	5.383	5.242	5.016	5.038	5.245	5.285	5.506	5.262	5.207	
1421384	at	Mm.423237	NM 010748	Mm.423237	13	6.623	6.273	6.550	6.332	6.432	6.654	6.123	6.301	6.432	6.503	6.522	6.616	6.412	6.501	6.466	6.422	6.501	6.466	6.422	6.501	6.466	6.351	6.706	6.440	
1421385	a at	Myo7a	NM 008663	Mm.1403	7	7.699	8.621	7.664	7.828	8.428	7.794	7.848	7.968	8.828	8.652	8.067	8.253	8.623	8.565	8.123	7.854	7.604	7.514	7.837	7.614	7.843	7.803	7.835	7.783	
1421386	at	Ankr6d	BM199504	Mm.214766	4	6.630	6.282	6.561	6.721	6.529	6.593	6.609	6.416	6.398	6.436	6.471	6.528	6.556	6.532	6.449	6.654	6.800	6.642	6.577	6.742	6.625	6.445	6.513	6.578	
1421387	at	Kremen1	NM 032396	Mm.209989	11	7.242	7.145	7.296	7.299	7.245	7.042	7.313	7.156	7.138	7.135	7.476	7.404	7.258	7.271	7.240	7.293	6.870	7.152	7.419	7.247	7.151	6.826	7.231	7.183	
1421388	at	Mef2d	NM 133665	Mm.475873	3	9.202	9.143	9.176	9.290	9.147	9.102	9.220	9.299	9.079	8.997	9.256	9.036	9.121	9.157	9.171	9.124	9.249	9.189	9.211	9.256	9.230	9.196	9.193	9.332	
1421389	a at	Eif2ak4	NM 013719	Mm.217616	2	6.476	6.823	6.634	6.250	6.615	6.369	6.351	6.579	6.837	6.723	6.634	6.479	6.652	6.437	6.355	6.315	6.867	6.515	6.625	6.158	6.440	7.104	6.611	6.434	
1421390	at	Scl21a1	NM 011389	Mm.39174	2	4.332	4.278	4.252	4.283	4.280	4.472	4.455	4.368	4.262	4.288	4.318	4.231	4.329	4.319	4.194	4.468	4.371	4.358	4.488	4.537	4.280	4.315	4.254	4.419	
1421391	at	Vipr2	NM 009511	Mm.439700	12	7.155	6.913	7.134	7.159	7.125	7.309	7.236	7.091	6.963	6.956	7.135	7.088	7.146	7.001	7.187	7.297	7.115	7.230	7.262	7.383	7.470	7.182	7.389	7.274	
1421392	a at	Birc3	NM 007464	Mm.2026	9	8.740	8.917	8.503	8.615	8.741	8.742	8.584	8.701	8.900	8.869	9.178	8.730	8.692	8.772	8.848	8.520	8.630	8.440	8.570	8.438	8.383	8.441	8.223	8.608	
1421393	at	Grin2d	NM 008172	Mm.322594	7	7.492	7.317	7.203	7.362	7.415	7.231	7.289	7.488	7.473	7.198	7.466	7.402	7.392	7.372	7.286	7.218	7.206	7.417	7.388	7.475	7.507	7.391	7.222	7.385	
1421394	a at	Xiap	BF137345	Mm.259879	X	4.197	4.038	3.924	3.965	4.016	3.897	4.120	4.004	4.079	3.972	4.110	3.946	3.934	3.998	3.951	3.846	4.108	3.975	4.037	3.968	4.058	3.817	4.046	4.018	
1421395	at	Zik1	NM 009577	Mm.49441	7	5.072	4.869	4.984	4.923	4.807	4.981	5.171	4.778	4.891	4.886	5.087	4.795	5.025	5.015	5.017	5.217	4.772	5.057	5.193	5.135	4.950	4.916	4.974	4.965	
1421396	at	Pcsk1	M69196	Mm.1333	13	7.014	6.465	6.810	6.552	6.599	6.543	6.771	6.994	6.739	6.487	6.778	6.609	6.557	6.606	6.952	6.898	6.878	6.708	6.700	6.781	6.709	6.675	6.729	6.736	
1421397	a at	Lrd	NM 022654	Mm.334321	7	7.305	7.452	7.332	7.604	7.469	7.414	7.515	7.669	7.559	7.415	7.513	7.484	7.390	7.724	7.369	7.472	7.457	7.508	7.418	7.611	7.484	7.454	7.413	7.524	
1421398	at	Trim7	NM 053166	Mm.390335	11	4.247	4.098	4.311	4.242	4.337	4.525	4.350	4.237	4.339	4.172	4.016	4.298	3.961	3.998	4.213	4.304	4.776	4.297	4.585	4.594	4.659	4.689	4.565	4.111	
1421399	at	Insm1	NM 016889	Mm.379070	2	5.558	5.191	5.355	5.202	5.126	5.329	5.471	5.131	5.321	5.130	5.595	5.250	5.436	5.217	5.292	5.177	5.102	5.491	5.341	5.339	5.238	5.109	5.425	5.520	
1421400	at	Kcnmb1	B863976	Mm.6206	11	7.196	6.910	7.332	7.201	6.955	7.508	7.262	7.058	7.044	7.078	7.510	6.941	7.132	7.326	6.660	7.194	6.874	7.118	7.038	7.137	6.947	6.895	7.189	7.193	
1421401	at	Kcnmb1	B863976	Mm.6206	11	6.645	6.679	6.511	6.414	6.530	6.633	6.541	6.675	6.677	6.462	6.808	6.622	6.424	6.503	6.540	6.554	6.556	6.487	6.571	6.677	6.622	6.470	6.790	6.687	6.522
1421402	at	Mta3	NM 054082	Mm.277668	17	7.253	7.433	7.308	7.332	7.522	7.192	7.469	7.680	7.869	7.823	7.369	7.839	7.917	7.651	7.557	7.344	7.970	7.769	7.599	7.727	7.361	7.427	7.408	7.408	
1421403	at	Pli5	NM 053191	Mm.442452	1	6.409	6.296	6.333	6.185	6.241	6.532	6.063	6.261	6.363	6.443	6.604	6.413	6.910	6.480	6.413	6.465	6.258	6.625	6.399	6.321	6.349	5.869	6.466	6.370	
1421404	at	Cxcl15	NM 011339	Mm.64326	5	6.613	6.344	6.738	6.663	6.495	7.017	6.845	6.396	6.021	6.406	6.638	6.638	6.568	6.701	6.642	6.784	6.592	6.775	6.652	6.902	6.639	6.396	6.561	6.744	
1421405	at	Znf169	NM 053769	Mm.39976	7	5.385	5.071	5.511	5.399	5.108	5.417	5.206	5.255	5.148	5.088	5.145	5.098	5.196	5.146	5.094	5.494	5.473	5.260	5.473	5.260	5.473	5.171	5.260	5.188	
1421406	at	Nm.248237	NM 053103	Mm.248237	5	6.267	6.021	5.515	5.639	5.638	5.533	5.545	5.545	5.265	5.455	5.265	5.455	5.265	5.455	5.265	5.455	5.265	5.455	5.265	5.455	5.265	5.455	5.265	5.455	
1421407	at	F2f2	NM 010170	Mm.440952	13	7.567	7.022	7.324	7.521	7.206	7.366	7.410	7.328	7.286	7.146	7.274	7.026	7.163	7.310	7.291	7.276	7.426	7.325	7.290	7.456	7.431	7.348	7.370	7.415	
1421408	at	Iqsf6	NM 030691	Mm.160384	7	6.628	7.925	6.769	6.643	6.930	6.873	7.064	6.896	8.019	7.761	7.045	6.990	7.262	7.549	7.126	6.440	6.451	6.507	6.503	6.285	6.624	6.599	6.635	6.623	
1421409	at	Msi1	NM 008629	Mm.5077	5	8.346	7.920	8.074	8.159	8.113	8.030	8.294	8.181	8.121	8.068	8.127	8.063	8.109	8.032	8.179	8.317	8.134	8.343	8.078	8.229	8.312	8.120	8.381	8.337	
1421410	a at	Pstpip2	BC002123	Mm.57174	18	7.464	7.102	7.530	7.323	7.292	7.339	7.509	7.320	7.339	7.522	7.077	7.410	7.107	7.053	7.111	7.517	7.353	7.175	7.090	7.195	7.279	7.495	7.306	7.404	
1421411	at	Pstpip2	BC002123	Mm.57174	18	5.296	5.111	5.142	5.170	5.042	5.009	5.177	5.089	5.113	5.139	5.176	5.028	4.939	5.221	5.261	5.262	4.949	5.215	5.370	5.257	5.209	5.034	5.179	5.148	
1421412	at	Gsc	NM 010351	Mm.1219	12	4.705	4.565	4.666	4.729	4.589	4.766	4.530	4.635	4.390	4.465	4.587	4.411	4.581	4.398	4.385	4.460	4.556	4.478	4.630	4.739	4.697	4.671	4.615	4.736	
1421413	at	Trim7	NM 009516	Mm.379070	3	12.989	12.923	13.041	12.990	12.914	12.818	12.950	12.755	12.875	13.430	12.968	13.280	13.399	13.399	13.255	13.122	12.987	12.949	12.949	12.949	12.949	12.949	12.949	12.949	
1421414	a at	Sema5a	NM 018744	Mm.40909	8	8.278	7.883	8.080	8.136	8.109	7.979	8.058	8.113	8.020	8.009	8.049	7.915	8.106	8.018	8.101	8.131	8.052	8.207	8.123	8.331	8.084	8.156	8.084	8.101	
1421415	s at	Gcnt2	NM 008105	Mm.314757	13	6.281	6.162	6.235	5.988	5.941	6.290	6.139	6.246	5.986	6.188	6.320	5.912	6.193	6.234	6.109	6.351	5.925	5.772	6.262	5.971	5.996	6.132	6.228	6.195	
1421416	at	Map2k7	NM 013944	Mm.3906	8	6.920	6.723	6.924	6.964	6.957	6.887	6.983	7.139	6.872	6.988	6.889	7.003	6.970	6.875	7.024	7.039	6.969	7.081	7.006	6.939	6.996	7.102	7.007	7.002	
1421417	s at	Elac1	NM 053255	Mm.50642	18	5.347	5.167	5.506	5.471	5.317	5.617	5.486	5.178	5.266	5.093	5.283	5.103	5.189	5.184	5.350	5.313	5.296	5.258	5.583	5.343	5.494	5.444	5.081	5.623	
1421418	a at	Psq19	NM 011964	Mm.36878	7	3.508	3.554	3.523	3.506	3.570	3.475	3.629	3.543	3.457	3.534	3.421	3.414	3.516	3.451	3.430	3.418	3.540	3.445	3.425	3.510	3.447	3.583	3.435	3.469	
1421419	at	Kcnk4	NM 008431	Mm.12894	19	7.502	7.450	7.485	7.514	7.458	7.424	7.528	7.668	7.387	7.337	7.507	7.542	7.395	7.441	7.519	7									

1421468	a	Kcni3j	NM 008426	Mm.5127	2	8.368	7.599	8.553	8.127	7.948	8.092	8.234	7.880	7.614	7.673	7.914	7.563	7.875	7.887	7.935	8.619	8.144	8.273	8.033	8.285	8.256	8.231	8.294	8.426
1421469	a	Stat5a	U36502	Mm.277403	11	8.053	7.932	8.214	8.131	8.154	8.665	8.358	7.906	7.722	7.956	7.911	7.906	7.858	8.076	8.069	8.152	8.188	8.730	9.006	8.687	8.116	8.008	8.414	8.277
1421470	a	Gnr	M57922	Mm.4687	X	8.100	4.069	4.166	4.195	4.073	4.448	4.304	4.196	4.231	4.122	4.196	4.183	4.139	4.296	4.368	4.302	3.966	4.132	4.171	4.237	4.254	4.186	4.439	4.327
1421471	at	Nv1	NM 010934	Mm.5112	8	5.938	5.519	5.978	5.971	6.231	6.677	6.051	5.864	5.758	5.494	5.894	5.774	5.730	5.975	5.666	6.030	5.832	5.844	5.876	5.986	5.957	5.743	6.704	6.141
1421472	at	2900008311Rik	NM 021403	Mm.271290	5	6.302	6.371	6.177	6.250	6.357	6.066	6.253	6.230	6.155	6.222	6.139	6.230	6.289	6.118	6.235	6.197	6.189	6.327	6.303	6.197	6.111	6.260	6.101	6.325
1421473	at	IL11	BC003727	Mm.15534	2	6.547	6.423	6.357	6.540	6.860	6.564	6.507	6.381	6.409	6.366	6.818	6.296	6.347	6.595	6.463	6.390	6.467	6.478	6.362	6.482	6.501	6.565	6.482	6.501
1421474	a	Spsb1	NM 029035	Mm.30	4	8.809	8.631	8.719	8.824	8.860	8.755	8.858	8.807	8.623	8.712	8.839	8.781	8.952	8.779	8.806	8.828	8.800	8.814	8.892	8.892	8.905	8.740	9.063	8.910
1421475	at	Msa4a2	NM 013516	Mm.329735	19	5.896	5.685	5.943	5.939	6.006	6.140	6.049	5.949	5.702	5.997	6.058	5.802	6.053	5.706	6.038	5.941	5.968	5.743	6.041	6.363	6.339	6.067	6.074	5.790
1421476	a	Cant1	NM 029502	Mm.177551	11	6.018	6.312	6.069	6.155	5.981	6.052	6.108	6.073	6.174	6.114	6.026	6.084	6.186	6.190	6.123	6.028	6.082	6.035	5.907	6.195	6.183	6.056	6.053	5.881
1421477	at	Cplx2	NM 009946	Mm.268902	13	9.165	8.626	8.964	8.912	8.871	8.883	9.060	9.118	8.802	8.739	9.105	8.743	8.867	8.790	8.873	8.922	8.803	8.866	8.850	9.094	8.865	8.828	8.891	9.004
1421478	a	Zfp318	NM 021346	Mm.439916	17	7.452	7.273	7.285	7.445	7.408	7.342	7.367	7.321	7.142	7.251	7.288	7.523	7.436	7.230	7.325	7.442	7.437	7.403	7.484	7.563	7.378	7.399	7.355	7.283
1421479	at	Zfp318	NM 021346	Mm.439916	17	7.593	7.307	7.448	7.517	7.623	7.649	7.607	7.709	7.382	7.468	7.442	7.800	7.675	7.643	7.588	7.617	7.782	7.883	8.107	7.827	7.561	7.601	7.741	7.647
1421480	a	Adarb1	NM 130095	Mm.276815	10	6.056	6.432	5.843	6.035	6.076	6.177	5.974	6.355	6.808	6.476	6.586	6.250	6.591	5.945	6.155	6.022	6.022	6.084	6.061	6.058	6.062	5.905	6.122	6.105
1421481	at	Tnfrsf9	NM 011612	Mm.244187	4	5.853	5.665	5.937	5.808	5.570	5.951	5.910	5.915	5.805	5.697	5.996	5.762	5.831	5.849	5.688	5.942	5.841	5.802	5.872	6.207	5.931	5.562	5.757	5.826
1421482	at	Bsnd	NM 080458	Mm.135448	4	7.811	7.490	7.529	7.774	7.761	7.696	7.662	7.936	7.749	7.712	7.596	7.542	7.608	7.504	7.694	7.796	7.758	7.795	7.676	7.696	7.726	7.595	7.803	7.688
1421483	at	Lhx4	NM 010712	Mm.103624	1	8.073	7.720	7.866	7.994	7.906	7.591	7.943	7.845	7.815	7.514	7.936	7.839	7.956	7.896	7.779	7.847	7.755	7.704	7.945	7.895	7.873	7.914	7.928	7.852
1421484	at	Uqt2a1	NM 053184	Mm.154806	5	5.446	5.359	5.400	5.372	5.387	5.371	5.370	5.458	5.248	5.374	5.527	5.394	5.424	5.451	5.273	5.322	5.365	5.275	5.421	5.452	5.332	5.314	5.452	5.334
1421485	at	Ttbbk2	NM 080788	Mm.275698	2	5.778	5.387	5.928	5.686	5.729	5.848	5.816	5.616	5.489	5.784	5.545	5.627	5.655	5.983	5.798	5.981	5.682	5.783	5.776	5.929	5.346	5.652	5.745	5.731
1421486	at	Ecd3	NM 018781	Mm.103737	14	8.849	8.768	8.812	8.851	8.757	8.686	8.855	8.862	8.727	8.763	8.772	8.637	8.899	8.802	8.634	8.831	8.897	8.906	8.793	8.780	8.939	8.786	8.783	8.778
1421487	a	Nck1	NM 010878	Mm.181485	9	9.893	10.000	9.966	10.028	9.878	10.035	10.005	10.050	9.774	10.003	10.080	10.131	9.955	9.940	10.116	10.007	9.915	9.921	9.903	9.894	9.994	10.027	9.756	9.951
1421488	at	Rabqa1l	NM 013862	Mm.25833	1	8.077	7.738	8.135	8.033	7.828	8.299	8.040	7.450	7.569	7.888	7.786	7.687	7.853	7.674	8.214	8.282	8.061	8.053	8.613	8.584	7.967	7.920	8.256	8.616
1421489	a	2010106E10Rik	NM 026333	Mm.45323	X	4.077	3.721	4.125	4.076	3.988	3.958	4.018	3.904	3.811	3.854	4.005	3.595	3.726	3.988	3.993	3.933	3.795	3.924	3.988	4.002	3.880	3.875	3.939	4.181
1421490	at	Prpmp5	NM 019628	Mm.441627	6	4.800	4.674	4.803	4.684	4.582	4.643	4.821	4.780	4.600	4.601	4.682	4.568	4.676	4.649	4.699	4.758	4.698	4.677	4.542	4.764	4.656	4.525	4.823	4.742
1421491	a	Temn49	NM 029478	Mm.390398	11	8.738	9.094	9.216	8.783	8.847	8.832	8.840	8.716	9.090	9.196	8.725	8.785	8.783	9.033	8.876	9.223	8.748	8.798	9.105	9.015	8.827	8.472	8.675	9.164
1421492	at	Ptad52	NM 019455	Mm.442454	6	6.634	6.746	6.546	6.675	6.464	6.785	6.618	6.585	6.766	6.670	6.687	6.516	6.758	6.929	6.455	6.331	6.411	6.435	6.698	6.744	6.512	6.597	6.348	6.594
1421493	a	Rrs20	NM 021374	Mm.103771	1	5.481	4.910	5.380	5.214	5.255	5.136	5.224	5.169	5.212	5.315	3.958	5.198	5.102	5.169	5.322	5.244	5.222	5.367	5.462	5.160	5.544	5.088	5.193	5.241
1421494	at	3900033F04Rik	NM 020807	Mm.275803	13	4.819	4.702	4.822	4.789	4.888	4.719	4.808	4.789	4.480	4.830	4.768	4.498	4.980	4.980	4.980	4.980	4.980	4.980	4.980	4.980	4.980	4.980	4.980	4.980
1421495	at	1700052N19Rik	NM 012621	Mm.346733	10	4.818	5.022	5.052	5.048	4.959	5.056	5.002	4.909	5.102	5.053	4.988	5.135	4.950	5.101	5.142	4.893	5.125	5.047	4.973	5.059	4.862	5.135	4.861	5.101
1421496	at	Asah3l	NM 026605	Mm.45019	4	5.609	5.221	5.381	5.457	5.299	5.481	5.407	5.542	5.252	4.996	5.215	5.427	5.418	5.299	5.427	5.542	5.538	5.466	5.343	5.403	5.403	5.816	5.486	5.586
1421497	at	Gpha2	AF260740	Mm.379306	19	7.687	7.486	7.561	7.675	7.633	7.508	7.469	7.743	7.645	7.624	7.746	7.611	7.549	7.638	7.604	7.637	7.640	7.743	7.750	7.715	7.636	7.597	7.580	7.626
1421498	a	2010204K13Rik	NM 023450	Mm.45111	X	5.262	5.675	5.349	5.441	5.502	5.306	5.533	5.539	5.648	5.513	5.344	5.288	5.440	5.569	5.336	5.398	5.367	5.396	5.359	5.339	5.354	5.389	5.418	5.220
1421499	a	Pttn14	NM 008976	Mm.4498	1	7.576	8.456	7.441	7.727	7.748	7.463	7.540	8.334	8.255	8.374	8.698	8.288	8.408	8.458	7.993	7.578	7.698	7.801	7.691	7.552	7.975	7.805	7.891	7.474
1421500	at	Sts	NM 009293	Mm.423011	X	8.204	9.061	9.018	9.102	9.142	8.980	8.921	9.128	9.076	9.070	9.109	9.243	9.650	8.920	9.094	9.099	9.647	9.320	8.938	9.042	9.364	9.199	8.884	8.866
1421501	a	Erc1	NM 053204	Mm.288860	6	9.734	8.463	8.859	8.575	8.574	8.689	8.601	8.600	8.668	8.608	8.610	8.649	8.357	8.422	8.607	8.547	8.696	8.492	8.625	8.611	8.642	8.756	8.522	8.588
1421502	at	Usp48	NM 021385	Mm.25327	X	7.437	7.027	7.125	7.262	7.150	7.041	7.185	7.205	7.325	7.044	7.169	7.183	7.274	7.033	7.094	7.120	7.227	7.138	7.235	7.323	7.220	7.046	7.093	7.139
1421503	at	Pcdh15	NM 023115	Mm.351476	10	5.924	5.807	6.048	6.102	5.903	6.140	6.147	6.029	5.928	5.862	6.134	5.878	5.902	5.937	6.045	6.023	6.026	6.050	6.238	6.338	5.902	6.121	5.976	6.195
1421504	at	Sp4	NM 009239	Mm.259312	12	8.126	7.734	7.925	7.873	7.782	7.929	7.806	7.882	7.598	7.668	7.824	7.771	7.694	7.577	7.830	7.859	8.179	8.104	8.023	8.147	8.065	7.818	8.126	7.812
1421505	at	Mixl1	AF154573	Mm.103647	1	6.144	5.938	5.664	6.135	6.004	5.796	5.821	5.842	5.954	5.885	5.951	5.879	5.904	5.969	5.730	5.871	6.035	5.769	5.873	5.945	5.794	5.835	5.789	5.859
1421506	at	Offr78	BB132229	Mm.184372	7	7.101	6.617	6.850	7.056	6.775	6.698	6.878	6.739	6.843	6.832	6.852	6.804	6.745	6.704	6.962	6.920	6.795	6.992	6.964	7.097	6.893	6.724	6.999	6.920
1421507	at	Odrl2	BB132229	Mm.184372	7	4.122	3.926	4.199	4.007	4.040	4.091	4.162	4.017	3.950	3.901	3.949	3.887	4.164	3.937	4.045	4.209	3.832	4.180	4.278	4.081	3.885	4.003	4.236	4.166
1421508	at	Odrl2	NM 011855	Mm.327698	X	6.348	6.038	6.217	6.214	5.994	6.119	6.278	6.344	5.929	6.012	6.235	6.088	6.020	6.147	6.171									

1421557	x	at	Txn2	NM	019913	Mm.291917	15	11.294	11.424	11.359	11.402	11.247	11.413	11.427	10.993	11.183	11.117	11.276	11.081	10.882	11.121	11.123	11.465	11.329	11.490	11.561	11.680	11.391	11.131	11.462	11.499	
1421558	at	T2		NM	013682	Mm.311080	17	7.752	7.501	7.468	7.755	7.547	7.547	7.558	7.802	7.611	7.243	7.654	7.454	7.632	7.514	7.507	7.437	7.829	7.779	7.621	7.586	7.924	7.580	7.745	7.612	
1421559	at	Abo		NM	030718	Mm.160386	2	5.630	5.304	5.407	5.696	5.568	5.457	5.602	5.601	5.441	5.609	5.694	5.643	5.514	5.370	5.550	5.584	5.521	5.612	5.689	5.741	5.613	5.677	5.652	5.568	
1421560	at	Sna3		NM	013914	Mm.103673	8	7.760	7.661	7.534	7.869	7.686	7.824	7.733	7.657	7.473	7.538	7.590	7.667	7.555	7.533	7.650	7.698	8.029	7.995	7.713	7.701	7.774	7.672	7.647	7.648	
1421561	at	Bhhb2		NM	080641	Mm.134062	2	5.339	5.242	5.554	5.293	5.350	5.606	5.503	5.520	5.389	5.365	5.447	5.280	5.309	5.395	5.129	5.457	5.337	5.293	5.485	5.483	5.565	5.346	5.212	5.484	
1421562	at	Cd209c		AF373410	Mm.215722	8	6.676	6.394	6.515	6.501	6.377	6.565	6.266	6.308	6.462	6.266	6.308	6.646	6.444	6.543	6.400	6.372	6.533	6.433	6.605	6.660	6.756	6.365	6.320	6.514	6.461	
1421563	at	Atp7b		NM	007511	Mm.87854	8	7.318	7.151	7.243	7.286	7.078	7.253	7.299	7.188	6.978	7.101	7.105	6.983	7.288	7.016	7.108	7.288	7.203	7.016	7.416	7.480	7.207	6.968	7.298	7.144	
1421564	at	Serpin3a3c		NM	008458	Mm.422814	12	5.653	5.064	5.611	5.647	5.132	5.299	5.497	5.027	5.014	5.289	5.413	5.080	5.172	5.299	5.506	5.716	5.374	5.583	5.544	5.548	5.549	5.497	5.430	5.408	
1421565	at	Robo3		NM	011248	Mm.212826	9	6.128	5.876	6.031	5.939	5.960	5.794	5.976	5.993	6.054	6.048	6.078	5.867	5.962	6.019	5.929	5.931	5.823	5.761	5.896	5.907	6.138	5.842	6.027	6.007	
1421566	at	Pet2		NM	008821	Mm.3086	X	4.453	4.212	4.324	4.216	4.212	4.586	4.428	4.301	4.074	4.237	4.455	4.220	4.216	4.398	4.329	4.370	4.352	4.264	4.332	4.343	4.231	4.204	4.387	4.246	
1421567	at	Npas3		BE288934	Mm.247044	12	5.490	5.182	5.460	5.503	5.495	5.555	5.365	5.567	5.149	5.158	5.444	5.411	5.398	5.579	5.320	5.475	5.623	5.509	5.585	5.794	5.699	5.533	5.624	5.234	5.533	
1421568	at	Kcna8		NM	013568	Mm.62535	6	6.895	6.584	6.737	6.774	6.770	6.606	6.646	6.711	6.580	6.622	6.513	6.675	6.449	6.796	6.592	6.493	6.580	6.839	6.798	6.553	6.563	6.713	6.709	6.802	6.729
1421569	at	Grid1		NM	008165	Mm.121569	14	7.224	6.752	7.083	7.072	6.850	6.901	7.142	7.019	6.729	6.729	6.946	6.879	6.819	6.860	6.846	6.973	6.994	7.012	7.177	7.164	7.047	6.942	6.986	7.159	
1421570	at	Ulr9		NM	008374	Mm.384	11	6.024	6.221	6.101	6.201	6.129	6.247	6.082	6.238	6.675	6.160	6.285	6.071	6.349	6.646	6.193	6.082	6.288	6.181	6.319	6.169	6.468	6.419	6.244	6.192	6.253
1421571	a	at	Ly6c1	NM	010741	Mm.1583	15	12.694	12.196	13.063	12.652	12.603	12.663	12.710	12.736	12.311	12.681	12.986	12.671	12.701	12.789	13.082	12.934	12.241	12.585	12.608	12.708	12.771	12.787	13.096	13.160	
1421572	at	Hif3a		NM	016868	Mm.135110	7	6.753	6.598	6.492	6.621	6.625	6.571	6.717	6.774	6.442	6.532	6.642	6.558	6.554	6.498	6.645	6.662	6.482	6.518	6.860	6.778	6.724	6.614	6.707	6.825	
1421573	at	Arg2		NM	029207	Mm.399304	7	5.552	5.087	5.559	5.460	5.247	5.476	5.471	5.329	5.267	4.981	5.338	5.001	5.248	5.259	5.524	5.507	5.307	5.378	5.166	5.534	5.315	5.106	5.446	5.387	
1421574	at	Rap2a		NM	029519	Mm.261448	14	5.700	6.063	5.356	5.866	5.780	5.530	5.384	5.548	5.760	5.569	5.763	5.499	5.908	5.683	5.781	5.492	5.628	5.475	5.555	5.546	5.501	5.299	5.626	5.508	
1421575	at	Z130057N15Rik		NM	027170	Mm.358728	16	5.033	4.507	4.890	4.814	4.779	4.801	4.610	4.792	4.903	4.560	4.865	4.629	4.796	4.839	4.765	4.802	4.869	4.779	4.903	5.044	4.903	4.650	4.662	4.949	
1421576	at	Arg30524B15Rik		NM	026262	Mm.78654	11	5.977	5.837	5.796	5.830	5.861	5.740	5.955	5.680	5.886	5.756	6.027	5.750	5.949	5.837	5.830	5.914	5.825	5.914	6.019	6.308	5.896	5.422	5.979	6.108	
1421577	at	Evx2		NM	007967	Mm.25365	2	7.846	7.366	7.488	7.575	7.554	7.554	7.620	7.626	7.494	7.328	7.552	7.440	7.488	7.469	7.389	7.492	7.412	7.511	7.531	7.783	7.650	7.612	7.574	7.603	
1421578	at	Ccl4		AF128218	Mm.244263	11	8.404	8.310	8.264	8.549	8.299	8.201	8.204	8.450	8.524	8.278	8.565	8.228	8.480	8.472	8.341	8.331	8.262	8.222	8.404	8.480	8.274	8.157	8.495	8.190		
1421579	at	Hoxa9		NM	010456	Mm.4694	6	8.954	8.639	8.850	8.826	8.757	8.761	8.813	8.890	8.745	8.814	8.791	8.712	8.764	8.663	8.822	8.919	8.784	8.745	8.974	8.981	8.896	8.700	8.862	8.921	
1421580	at	Cntnaa1		NM	016782	Mm.474527	11	6.293	5.912	6.219	6.387	6.144	6.293	6.238	6.158	6.113	6.060	6.333	6.207	6.100	6.072	6.073	6.322	6.328	6.224	6.149	6.329	6.316	6.178	6.503	6.183	
1421581	at	Kcnj6		U37253	Mm.328720	16	7.510	7.083	7.341	7.532	7.385	7.257	7.399	7.616	7.326	6.916	7.366	7.323	7.316	7.536	7.315	7.388	7.544	7.307	7.481	7.434	7.359	7.511	7.557	7.564		
1421582	a	at	Creb1	NM	009952	Mm.466618	1	7.164	7.237	7.336	7.157	7.150	7.118	7.233	7.109	7.029	7.362	7.793	7.121	7.260	7.187	7.261	7.282	7.018	7.360	7.142	7.047	7.287	7.364	7.307	7.153	
1421583	at	Ctcf		NM	009952	Mm.466618	1	6.809	6.921	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	6.903	
1421584	at	Opn4		NM	013987	Mm.272080	14	6.041	7.778	6.985	6.130	7.853	8.057	6.605	7.802	7.777	7.832	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	7.622	
1421585	at	LcdC100042500		NM	027566	NA	11	6.179	6.078	6.282	6.312	6.188	6.185	6.338	6.023	6.014	6.090	6.081	5.998	6.044	6.127	6.180	6.131	6.252	6.068	6.220	6.405	6.212	6.228	6.286	6.433	
1421586	a	at	Coc4	NM	010778	Mm.12884	1	8.102	7.860	8.053	8.058	7.966	7.935	7.983	8.012	7.878	7.850	8.034	7.722	7.973	8.070	7.954	8.001	8.050	8.135	8.063	8.302	8.225	7.950	8.140	8.117	
1421587	at	Klkl1b27		NM	020268	Mm.445911	7	5.728	5.103	5.597	5.652	5.461	5.324	5.721	5.712	5.319	5.115	5.537	5.223	5.518	5.355	5.444	5.392	5.658	5.513	5.580	5.902	5.484	5.324	5.582	5.442	
1421588	at	Tnfrsf14		NM	019418	Mm.19131	17	5.931	5.616	6.128	5.865	5.903	5.676	5.904	6.117	5.859	5.587	5.914	5.815	5.826	5.799	5.931	5.934	5.931	5.934	5.927	5.800	6.218	5.947	5.933	5.963	
1421589	at	Krt31		NM	010659	Mm.439673	11	6.457	5.978	6.498	6.509	6.530	6.533	6.453	6.473	6.305	6.312	6.381	6.474	6.455	6.334	6.251	6.350	6.478	6.526	6.435	6.467	6.427	6.525	6.639	6.494	
1421590	at	Mrgpr9		NM	030726	Mm.160368	17	7.895	7.129	7.895	7.882	7.345	7.982	7.910	7.206	6.691	6.783	6.914	7.036	6.913	7.008	7.349	7.831	7.738	7.767	7.739	8.056	7.960	7.892	7.893	7.879	
1421591	at	Cytl3		NM	026230	Mm.476504	X	5.393	5.955	5.757	5.320	5.955	5.917	5.497	5.499	5.012	5.770	5.985	5.096	5.351	5.973	5.973	5.973	5.973	5.973	5.973	5.973	5.973	5.973	5.973	5.973	
1421592	at	Ncam2		AF001286	Mm.433941	16	5.793	5.453	5.726	5.668	5.537	6.010	5.763	5.654	5.635	5.611	5.724	5.430	5.654	5.667	5.686	5.633	5.738	5.813	5.756	6.020	5.804	5.463	5.731	5.739		
1421593	at	Ncam2		AF001286	Mm.433941	16	6.185	5.905	5.956	6.137	5.906	5.936	6.142	6.054	6.125	5.958	6.162	6.291	6.018	6.292	6.127	6.303	6.177	6.256	6.116	6.206	6.223	6.109	6.207	6.163		
1421594	a	at	Sytl2	NM	031394	Mm.26751	7	6.855	6.772	6.654	6.779	6.951	7.296	6.930	6.909	6.958	7.017	6.869	7.048	6.930	7.015	7.200	7.002	6.877	7.544	6.983	6.978	6.770	6.779	6.575	6.749	
1421595	at	9630031F12Rik		NM	021416	Mm.266466	5	5.574	5.127	5.621	5.260	5.165	5.127	5.368	5.366	5.124	5.065	5.248	5.071	5.077	5.116	5.408	5.141	5.293	5.281	5.368	5.435	5.199	5.190	5.571	5.268	
1421596	s	at	H28	NM	031367	Mm.219544	3	5.286	6.994	5.688	5.593	5.628	6.054	6.302																		

1421646	a	at	Pias3	NM	018812	Mm.1635	3	7.729	7.640	7.521	7.635	7.773	7.605	7.476	7.613	7.782	7.767	7.676	7.812	7.763	7.861	7.738	7.586	7.614	7.617	7.649	7.689	7.740	7.394	7.704	7.618
1421647	a	at	Ccd1d2	NM	007640	Mm.389465	3	6.429	6.327	6.439	6.238	6.345	6.095	6.348	6.346	6.340	6.208	6.424	6.318	6.371	6.443	6.231	6.474	6.328	6.353	6.333	6.382	6.355	6.502	6.360	6.325
1421648	a	at	Nlcn1	NM	138666	Mm.316080	3	5.021	4.999	5.133	5.136	5.116	5.159	4.998	5.019	5.062	5.033	5.087	4.885	5.137	5.209	5.223	5.102	5.203	5.255	5.054	5.284	5.017	5.295	5.159	5.092
1421649	a	at	Tnfrs18	NM	009401	Mm.12810	4	6.877	6.762	6.895	6.853	6.761	7.053	6.833	6.937	6.910	6.655	6.943	6.740	6.830	6.883	6.715	6.812	6.835	6.866	6.803	6.815	6.873	6.852	6.856	6.750
1421650	a	at	Mesp	NM	031172	Mm.136672	5	6.593	6.314	6.682	6.411	6.476	6.353	6.559	6.512	6.713	6.574	6.578	6.591	6.740	6.637	6.583	6.584	6.583	6.584	6.584	6.584	6.584	6.584	6.584	6.553
1421651	a	at	Ankrd22	NM	024204	Mm.183500	19	4.418	4.912	4.474	4.346	4.292	4.484	4.206	4.268	4.435	4.006	4.317	4.271	4.302	4.275	4.302	4.271	4.302	4.318	4.298	4.368	4.370	4.328	4.202	4.152
1421652	a	at	Htr3b	NM	020274	Mm.117131	9	6.800	6.505	6.861	6.761	6.844	6.549	6.880	6.810	6.759	6.729	6.982	6.695	6.762	6.882	6.761	6.814	6.815	6.656	6.819	6.858	6.778	6.829	6.948	6.731
1421653	a	at	Iqih	NM	134051	Mm.342177	12	7.944	7.465	7.810	7.908	8.810	7.850	7.878	8.099	7.905	7.785	8.687	7.780	7.909	7.946	8.007	7.829	8.121	7.927	7.910	8.049	8.375	8.312	7.871	8.066
1421654	a	at	Lmna	NM	019390	Mm.470666	3	10.379	11.744	10.288	10.205	10.874	10.246	10.391	10.630	11.635	11.525	11.082	11.037	11.052	11.322	10.605	10.295	10.100	10.360	10.351	10.021	10.046	9.799	9.970	9.772
1421655	a	at	Ccr4	NM	009916	Mm.1337	9	7.387	6.862	7.457	7.453	7.073	7.555	7.368	7.340	7.233	7.122	7.387	7.001	6.992	7.100	7.188	7.298	7.479	7.268	7.283	7.441	7.398	7.043	7.479	7.357
1421656	a	at	Sprv2	NM	011897	Mm.89982	14	6.737	6.427	6.571	6.885	6.893	6.648	6.880	6.751	6.580	6.801	7.210	6.722	6.616	6.770	6.809	6.834	6.856	6.885	7.030	7.046	6.852	6.637	6.967	7.011
1421657	a	at	Sox17	NM	011441	Mm.278103	1	8.230	7.906	8.077	7.896	8.188	7.741	7.654	8.380	7.819	7.791	7.995	8.272	8.092	7.759	7.848	8.220	8.396	7.874	7.717	7.632	8.088	8.583	8.180	7.982
1421658	x	at	Pss1b	NM	011963	Mm.89991	7	4.686	4.781	4.698	4.632	4.721	4.337	4.650	4.676	4.626	4.417	4.722	4.457	4.512	4.530	4.656	4.777	4.805	4.782	4.689	4.687	4.682	5.004	4.652	4.707
1421659	a	at	Adra1a	NM	013461	Mm.57064	14	7.633	6.990	7.423	7.353	6.947	7.421	6.940	6.905	6.782	6.812	6.770	6.888	7.064	6.837	7.243	7.496	7.433	7.377	7.223	7.301	7.281	7.353	7.487	7.593
1421660	a	at	Scn9a	NM	018852	Mm.440089	2	4.428	4.413	4.531	4.567	4.397	4.421	4.564	4.357	4.384	4.310	4.289	4.304	4.367	4.203	4.230	4.390	4.590	4.481	4.306	4.484	4.562	4.461	4.466	4.487
1421661	a	at	Fpr3	NM	008042	Mm.378918	17	7.301	6.715	7.074	7.005	7.020	7.106	7.236	7.108	6.903	6.872	7.113	6.776	6.969	7.045	6.868	7.105	7.066	6.992	7.139	7.353	7.078	6.850	7.149	7.057
1421662	a	at	Tusc3	NM	030254	Mm.272722	8	9.331	10.372	9.310	9.576	9.896	9.681	9.426	9.831	10.372	10.304	9.898	9.947	10.064	10.035	9.775	9.334	9.736	9.525	9.462	9.449	9.726	9.691	9.456	9.269
1421663	a	at	Dhrs2	NM	027790	Mm.85484	14	7.054	6.745	6.937	6.984	6.795	6.799	6.841	7.023	6.758	6.672	6.642	6.695	6.756	6.723	6.894	7.047	7.039	6.915	7.064	7.117	6.980	7.074	7.000	7.069
1421664	a	at	Styx	NM	019637	Mm.202561	14	9.342	9.437	9.304	9.477	9.600	9.526	9.472	9.639	9.365	9.485	9.292	9.696	9.561	9.399	9.547	9.253	9.513	9.473	9.576	9.641	9.492	9.599	9.477	9.447
1421665	a	at	Gnhr	NM	010323	Mm.26791	5	4.153	4.023	4.240	4.035	4.131	4.156	4.219	4.114	4.111	4.124	4.152	3.960	4.296	4.039	4.107	4.136	4.118	4.161	4.202	4.207	4.246	4.146	4.073	4.290
1421666	a	at	Aanat	NM	009591	Mm.42233	11	8.378	7.889	8.306	8.168	8.200	8.008	8.319	8.298	7.999	8.067	8.244	7.983	8.014	8.183	8.137	8.294	8.286	8.144	8.257	8.295	8.284	8.239	8.403	8.279
1421667	a	at	Nmur1	NM	010341	Mm.389159	1	6.927	6.628	6.825	6.801	6.661	6.878	6.881	6.668	6.847	6.706	6.935	6.767	6.739	6.743	6.737	6.825	6.663	6.660	6.792	6.735	7.037	6.618	6.875	6.985
1421668	x	at	Spcer3	NM	027650	Mm.158536	5	7.365	7.136	7.476	7.205	7.185	7.496	7.301	7.263	7.135	7.244	7.321	7.333	7.236	7.229	7.511	7.459	7.217	7.379	7.508	7.548	7.178	7.091	7.257	7.474
1421669	a	at	Sult3a1	NM	020565	Mm.6590	10	4.247	4.111	4.122	4.135	4.128	4.121	4.081	4.103	4.008	4.108	4.075	4.062	4.059	4.237	4.169	4.131	4.186	4.079	4.154	4.208	4.144	3.869	4.120	4.118
1421670	a	at	Itrak4	NM	029926	Mm.422858	15	4.251	4.174	4.165	4.255	4.129	4.115	4.105	4.241	4.276	4.286	4.473	4.406	4.309	4.042	4.071	4.089	4.190	4.007	4.018	4.240	4.346	4.149	4.058	4.191
1421671	a	at	Hsl17b3	NM	008291	Mm.5109	13	7.079	6.559	6.909	6.844	6.674	6.803	6.896	6.790	6.688	6.680	6.854	6.582	6.762	6.779	6.706	6.793	6.784	6.642	6.801	6.855	6.957	6.778	6.769	6.804
1421672	a	at	Hid4	NM	021552	Mm.73194	1	7.732	7.592	7.666	7.739	7.508	7.568	7.738	7.498	7.498	7.577	7.512	7.408	7.712	7.408	7.671	7.512	7.490	7.578	7.599	7.477	7.557	7.565	7.677	7.780
1421695	a	at	Str1b	NM	020459	Mm.439759	7	4.833	4.539	4.440	4.489	4.588	4.562	4.813	4.655	4.666	4.754	4.757	4.606	4.653	4.654	4.475	4.663	4.641	4.655	4.655	4.655	4.655	4.655	4.655	4.655
1421674	a	at	NA	NM	027719	NA	NA	7.803	7.628	7.715	7.783	7.777	7.616	7.706	7.882	7.720	7.570	7.774	7.808	7.674	7.763	7.530	7.776	7.658	7.756	7.677	7.643	7.674	7.585	7.706	7.752
1421675	a	at	1700123K08Rik	NM	029693	Mm.73235	5	5.465	5.380	5.488	5.444	5.347	5.365	5.511	5.276	5.321	5.384	5.398	5.296	5.368	5.305	5.436	5.330	5.345	5.355	5.505	5.404	5.374	5.598	5.317	5.647
1421676	a	at	4930542N07Rik	NM	029199	Mm.159452	X	4.213	4.129	4.285	4.106	4.171	4.295	4.159	4.143	4.154	3.958	4.043	4.086	4.152	4.043	4.175	4.210	4.063	4.101	4.230	4.295	4.329	4.122	4.235	4.142
1421677	a	at	Faf20	NM	030610	Mm.425526	8	5.494	5.170	5.451	5.487	5.301	5.285	5.153	5.188	5.348	5.372	5.448	5.327	5.309	5.125	5.217	5.460	5.351	5.347	5.369	5.379	5.529	5.379	5.531	5.479
1421678	a	at	Itp2r	NM	019923	Mm.7800	6	7.608	7.261	7.571	7.704	7.277	7.450	7.474	7.496	7.617	7.480	7.542	7.661	7.534	7.473	7.474	7.573	7.764	7.464	7.301	7.806	7.709	7.676	7.556	7.614
1421679	a	at	Ccdk1na	NM	007669	Mm.195663	17	9.258	9.406	8.937	8.005	9.072	7.863	8.096	9.101	9.872	9.694	9.685	9.003	9.331	9.227	9.297	9.054	8.775	9.339	9.871	8.708	7.864	8.243	9.057	9.421
1421680	a	at	1005L19Rik	NM	020349	Mm.476556	14	6.195	4.594	6.272	6.336	6.767	6.076	6.159	6.036	6.920	6.875	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967	6.967
1421681	a	at	Nr4d	NM	032002	Mm.443874	9	6.236	5.960	6.533	6.512	6.121	6.119	6.285	6.146	6.087	6.077	6.099	6.272	6.279	6.334	6.143	6.563	6.215	6.302	6.415	6.496	6.295	6.229	6.375	6.552
1421682	a	at	Tct3c	NM	011560	Mm.440045	17	3.969	4.350	4.230	4.110	4.411	4.071	4.225	4.350	4.623	4.394	4.227	4.608	4.345	4.423	4.225	3.905	4.427	4.137	4.338	4.064	4.207	4.265	4.012	4.063
1421683	a	at	Tct3c	NM	011560	Mm.440045	17	5.879	5.917	5.865	5.801	5.771	5.746	5.958	5.908	6.092	5.945	5.803	6.008	6.153	5.977	5.846	5.673	5.686	5.830	5.831	5.807	5.829	5.825	5.857	5.748
1421684	a	at	2310051M13Rik	NM	027344	Mm.158337	13	5.580	5.299	5.402	5.447	5.303	5.409	5.413	5.304	5.359	5.328	5.289	5.091	5.217	5.095	5.362	5.245	5.348	5.297	5.369	5.454	5.391	5.504	5.346	5.301
1421685	a	at	Clec4b1	NM	027218	Mm.333374	6	4.815	4.842	4.798	4.972	4.848	4.876	5.139	4.973</																

1421735	a	at	St8sia5	NM	013666	Mm.426064	18	7.307	7.119	7.362	7.252	7.236	7.172	7.339	7.345	7.241	7.307	7.424	7.072	7.250	7.270	7.382	7.409	7.292	7.205	7.354	7.458	7.351	7.209	7.376	7.319	
1421736	at	V1rd3		NM	030740	Mm.160380	7	6.649	6.398	6.815	6.701	6.726	6.676	6.786	6.664	6.663	6.585	6.763	6.654	6.724	6.686	6.746	6.907	6.893	6.691	6.721	7.097	6.821	6.734	6.938	6.716	
1421737	at	Alx4		NM	007442	Mm.389389	2	6.915	6.909	6.851	6.912	6.809	6.880	6.908	7.096	6.926	6.702	6.902	6.820	6.785	6.666	6.898	6.832	6.728	6.880	6.615	6.881	7.151	6.597	6.893	6.810	
1421738	at	Gabra2		NM	008066	Mm.5304	5	4.840	5.271	4.969	4.874	4.852	4.798	4.979	4.983	5.239	4.999	5.164	4.957	4.970	5.003	4.963	5.053	4.931	4.930	4.944	5.027	4.776	5.110	4.871	5.013	
1421739	a	at	Mar1	NM	010768	Mm.2918	19	6.797	6.817	6.050	6.909	6.958	6.680	6.765	7.092	6.852	6.844	6.827	6.831	6.861	6.688	6.878	6.732	6.882	6.759	6.882	6.824	6.869	7.016	6.839	6.790	
1421740	at	Gnas		NM	019690	Mm.125770	2	5.478	5.205	5.677	5.306	5.309	5.520	5.470	5.180	5.542	5.280	5.289	5.255	5.607	5.620	5.340	5.534	5.518	5.620	5.534	5.518	5.480	5.552	5.546	5.555	
1421741	at	Cvp3a16		NM	007820	Mm.378905	5	3.822	3.924	3.931	3.903	3.838	3.830	4.013	3.742	4.004	3.820	3.940	3.855	3.892	3.909	3.906	3.735	3.818	3.948	3.846	3.948	3.879	3.909	3.807	3.881	
1421742	at	Gdl2		NM	008111	Mm.153226	13	7.637	7.328	7.717	7.487	7.555	7.567	7.529	7.541	7.540	7.577	7.461	7.581	7.599	7.577	7.561	7.684	7.693	7.427	7.628	7.707	7.651	7.455	7.874	7.694	
1421743	a	at	Pcbp2	NM	011042	Mm.236513	15	12.010	11.994	12.070	11.988	12.043	12.159	11.976	11.616	12.073	12.143	11.940	12.215	12.142	12.076	12.208	12.104	11.903	12.130	12.127	12.121	12.011	11.909	12.056	12.130	
1421744	at	Tnfs4		NM	009452	Mm.4994	1	7.354	7.032	7.298	7.210	7.018	7.225	7.246	7.205	7.135	7.016	7.237	7.047	7.217	7.188	7.014	7.083	7.063	7.150	7.384	7.315	7.221	7.209	7.487	7.363	
1421745	at	Plan1		NM	019969	Mm.331467	4	5.850	5.068	5.648	5.624	5.484	5.583	5.778	5.628	5.407	5.298	5.709	5.411	5.293	5.550	5.658	5.984	5.611	5.716	5.758	5.896	5.752	5.576	5.818	5.941	
1421746	at	Fbxo17		NM	015796	Mm.358659	7	6.682	6.848	6.447	6.587	7.006	6.607	6.595	7.008	7.478	7.197	6.922	6.641	7.280	6.799	6.899	6.368	6.845	6.598	6.778	6.599	6.772	6.798	6.474	6.468	
1421747	at	Esrrg		NM	011935	Mm.89989	1	7.401	7.269	7.294	7.397	7.254	7.303	7.457	7.432	7.310	6.945	7.455	7.245	7.472	7.225	7.271	7.296	7.335	7.334	7.359	7.372	7.404	7.404	7.273	7.310	
1421748	a	at	Tubd1	NM	019756	Mm.383207	11	6.782	7.132	7.132	7.061	6.729	7.064	7.172	6.999	6.860	6.998	6.767	6.902	6.849	7.011	6.843	7.142	6.931	6.887	7.021	7.052	6.921	6.759	6.912	6.936	
1421749	at	Lin28		NM	031383	Mm.302567	4	4.968	5.022	5.141	5.046	5.044	4.999	5.179	5.011	5.052	4.899	5.130	5.014	4.909	4.981	5.064	5.298	5.178	5.025	5.300	5.033	4.947	4.967	5.149	5.312	
1421750	a	at	Vbp1	NM	011692	Mm.8294	X	11.016	11.214	11.155	10.984	10.830	11.150	11.117	10.840	10.857	11.122	10.902	10.901	10.784	11.138	11.130	11.020	10.945	11.004	11.175	11.191	11.015	11.079	11.097	11.146	
1421751	a	at	Psmid14	NM	021526	Mm.218198	2	11.806	12.145	11.824	11.576	11.714	11.777	11.797	11.857	11.754	11.891	11.944	11.576	11.661	12.065	11.634	11.834	11.480	11.447	11.587	11.567	11.584	11.724	11.557	11.559	
1421752	a	at	Scpinb5	NM	009257	Mm.268618	1	6.288	6.158	6.394	6.576	6.292	6.332	6.430	6.291	6.239	6.288	6.636	6.424	6.274	6.526	6.462	6.332	6.600	6.332	6.442	6.612	6.635	6.634	6.774	6.504	6.557
1421753	a	at	Lhx3	NM	010711	Mm.386765	2	5.945	5.652	5.675	5.855	5.706	5.607	5.708	5.924	5.588	5.484	5.679	5.681	5.706	5.647	5.705	5.702	5.783	5.708	5.698	5.920	5.969	5.865	5.711	5.868	
1421754	at	AY036118		NM	133243	NA	17	10.431	10.672	10.279	10.441	10.700	10.263	10.296	10.949	10.593	10.445	10.649	10.749	10.702	10.289	10.202	10.208	10.706	10.573	10.311	10.027	10.622	10.683	10.340	10.206	
1421755	at	Gpr132		NM	019925	Mm.20455	12	6.387	6.004	6.265	6.241	5.991	6.067	6.171	6.150	6.181	5.962	6.271	6.045	6.259	6.191	6.144	6.066	6.310	6.097	6.119	6.341	6.339	6.043	6.271	6.249	
1421756	a	at	Hpr19	NM	008157	Mm.4787	6	7.414	7.417	7.525	7.376	7.659	7.423	7.547	7.451	7.471	7.422	7.523	7.368	7.564	7.585	7.402	7.472	7.424	7.657	7.395	7.608	7.433	7.250	7.419	7.412	
1421757	at	Gtr6		NM	021358	Mm.452511	4	5.933	5.431	5.605	5.749	5.629	5.748	5.773	5.592	5.673	5.396	5.544	5.541	5.636	5.527	5.507	5.593	5.619	5.600	5.727	5.680	5.803	5.788	5.782	5.826	
1421758	at	Nat1		NM	008673	Mm.141125	8	7.213	6.970	7.323	7.129	7.182	7.053	7.248	7.104	7.142	7.157	6.937	7.190	7.165	6.958	7.101	7.267	7.247	7.425	7.228	7.622	7.223	7.154	7.770	7.198	
1421759	a	at	Foxk1	NM	010812	Mm.24214	5	6.341	6.073	6.427	6.191	6.019	6.078	6.531	5.949	6.162	6.157	6.198	6.122	6.039	6.025	6.105	6.204	6.247	6.008	6.174	6.653	6.141	6.198	6.289	6.368	
1421760	at	Ptcr1		NM	011195	Mm.215173	17	7.994	7.509	7.830	7.768	7.901	7.687	7.991	7.806	7.952	7.689	8.124	8.002	7.749	7.880	7.902	8.012	7.721	7.875	7.911	8.025	7.914	7.892	7.981	8.174	
1421761	a	at	Ban74	NM	013800	Mm.261044	9	6.486	6.333	6.588	6.608	6.967	6.305	6.874	6.797	6.566	6.431	6.328	6.444	6.363	6.428	6.404	6.363	6.406	6.342	6.389	6.516	6.389	6.516	6.389	6.516	
1421762	at	Kcnj5		NM	010605	Mm.136332	9	5.386	5.252	5.325	5.245	5.555	5.398	5.202	5.585	5.298	5.202	5.585	5.298	5.202	5.585	5.298	5.202	5.585	5.298	5.202	5.585	5.298	5.202	5.585	5.298	
1421763	at	Bmp10		NM	009756	Mm.476290	6	7.122	6.962	7.179	7.088	6.890	6.956	7.244	7.165	7.090	6.861	7.152	7.047	7.123	7.108	6.863	6.892	6.906	6.997	6.924	7.186	7.036	6.880	6.611	6.896	
1421764	at	V1rd9		NM	030735	Mm.379267	7	5.205	4.983	5.115	5.012	4.919	4.724	5.058	5.002	5.017	5.037	5.065	4.950	4.962	5.185	5.088	4.829	5.088	4.984	5.154	5.011	5.141	5.078	5.005	5.000	
1421765	at	Pav5		NM	008782	Mm.439659	4	6.617	6.159	6.245	6.082	6.112	6.201	6.336	6.435	6.389	6.198	6.237	6.187	6.261	6.096	6.413	6.289	6.109	6.672	6.402	6.308	6.372	6.392	6.452	6.383	
1421766	at	Uchl4		NM	033607	Mm.390180	9	4.144	4.217	4.234	4.146	4.018	4.100	4.145	4.303	4.306	4.200	4.231	4.177	4.210	3.986	4.200	4.199	4.234	4.354	4.224	4.111	4.171	4.403	4.075	4.124	
1421767	at	Adk		NM	007411	Mm.188734	14	7.440	7.045	7.469	7.321	7.227	7.462	7.429	7.083	6.707	6.846	7.173	7.133	7.051	6.843	7.166	7.152	7.216	7.237	7.378	7.421	7.242	7.089	7.379	7.502	
1421768	a	at	Home1	NM	011982	Mm.37533	13	7.573	7.401	7.777	7.309	7.295	7.308	7.328	6.946	6.703	6.785	7.277	7.187	6.905	6.829	7.050	7.817	6.936	7.130	7.452	7.223	6.869	7.007	7.123	7.649	
1421769	at	Uchl5		NM	021626	Mm.137111	2	6.738	6.592	6.675	6.554	6.700	6.623	6.259	6.739	6.665	5.945	6.322	6.648	6.362	6.270	6.662	6.292	6.305	6.393	6.315	6.388	6.315	6.388	6.315	6.388	
1421770	a	at	Tlx2	NM	009392	Mm.37	6	8.265	7.852	8.172	8.260	8.102	7.988	8.199	8.129	7.908	8.043	8.270	8.090	7.955	8.102	8.143	8.185	8.299	8.170	8.183	8.324	8.331	8.191	8.073	8.238	
1421771	a	at	Ipp	NM	008389	Mm.1350	4	8.309	8.118	8.387	8.229	8.174	8.316	8.359	7.890	7.870	8.146	7.867	8.141	8.087	8.105	8.122	8.426	8.116	8.257	8.395	8.317	8.046	8.221	8.236	8.472	
1421772	a	at	Cox7a21	NM	009187	Mm.30072	17	12.234	12.271	12.227	12.300	12.478	12.360	12.280	12.337	12.414	12.276	12.342	12.472	12.378	12.054	12.259	12.220	12.528	12.634	12.446	12.425	12.469	12.403	12.359	12.180	
1421773	at	Elv2		NM	007959	Mm.4829	7	7.646	7.666	7.587	7.627	7.481	7.670	7.763	7.701	7.786	7.457	7.659	7.706	7.662	7.722	7.561	7.654	7.773	7.509	7.659	7.681	7.761	7.612	7.893	7.669	
1421774	at	Vax1		NM	009501	Mm.23801	19	6.668	6.453	6.512	6.536																					

1421824	at	Bacel1	AF200346	Mm.24044	9	9.595	9.863	9.812	9.828	9.504	9.811	9.605	9.399	9.442	9.564	9.344	9.824	9.592	9.953	9.591	9.950	9.877	9.603	9.809	9.614	9.891	9.273	9.450	9.312		
1421825	at	Bacel1	AF200346	Mm.24044	9	8.269	7.899	8.147	8.021	7.642	8.245	7.986	7.962	7.609	7.700	7.851	8.097	7.725	7.976	7.900	8.214	7.796	8.017	8.097	7.963	7.926	8.117	7.965	7.943		
1421826	at	Dlla4	AK004739	Mm.143719	2	7.645	7.645	7.784	8.005	7.622	7.472	7.666	7.759	7.394	7.596	7.723	8.064	7.787	7.769	7.786	7.973	7.824	7.599	8.095	7.962	8.116	8.021	7.795	8.063	7.961	
1421827	at	Dlla4	AK004739	Mm.143719	2	7.147	7.106	7.700	7.199	6.911	7.047	7.182	7.028	7.064	7.083	7.372	7.182	7.181	7.046	7.259	6.880	7.437	7.313	7.260	7.413	7.307	7.547	7.274	7.207		
1421828	at	Kpn3	BM213628	Mm.255448	14	7.579	8.317	7.646	7.521	7.693	7.761	7.850	8.595	8.130	8.181	8.173	7.419	7.643	8.252	7.831	7.786	7.980	7.548	7.673	7.618	8.068	7.668	8.006			
1421829	at	Akl3l1	NM 009647	Mm.42040	4	7.430	7.002	7.345	7.291	7.172	7.192	7.428	7.175	7.067	7.285	7.118	7.059	7.208	7.107	7.273	7.308	7.187	7.274	7.298	7.311	6.879	7.174	7.185			
1421830	at	Akl3l1	NM 009647	Mm.42040	4	9.601	9.844	9.426	9.760	9.458	9.936	9.560	9.604	9.622	9.714	9.518	9.507	9.614	9.598	9.362	9.559	9.885	9.637	9.708	9.709	9.468	9.747	9.418	9.588		
1421831	at	Akl3l1	NM 009647	Mm.42040	4	7.882	7.752	7.983	8.150	7.935	7.771	8.150	7.876	7.879	7.805	8.114	7.802	7.945	7.880	7.964	8.154	8.075	7.751	8.113	8.097	8.039	7.958	8.012	8.155		
1421832	at	Twsq1	BC004850	Mm.10153	17	7.889	7.448	8.007	7.772	7.668	7.897	7.842	7.405	7.328	7.939	7.925	7.482	7.580	7.900	7.963	8.150	7.045	7.268	7.824	7.956	7.683	7.104	8.041	8.331		
1421833	at	Pip5k1b	NM 008846	Mm.217214	19	9.211	9.175	9.267	9.196	9.302	9.182	9.199	8.910	8.892	9.287	9.148	9.149	9.319	8.910	9.258	9.247	9.042	9.164	9.294	9.285	9.006	8.875	9.085	9.421		
1421834	at	Pip5k1b	NM 008846	Mm.217214	19	9.785	9.601	9.623	9.623	9.806	9.567	9.576	9.813	9.636	9.718	9.456	10.004	9.779	9.299	9.653	9.632	9.690	9.634	9.605	9.541	9.635	9.669	9.921	9.786		
1421835	at	Mtpa1	NM 008635	Mm.20928	10	7.623	7.287	7.798	7.632	7.511	7.455	7.434	7.310	7.235	7.622	7.284	7.597	7.496	7.503	7.769	8.106	7.466	7.661	7.753	7.956	7.464	7.426	8.824	8.177		
1421836	at	Mtpa1	NM 008635	Mm.20928	10	9.068	8.626	9.237	8.958	8.857	8.998	8.940	8.780	8.464	8.831	8.832	8.948	8.778	8.595	9.201	9.289	8.939	8.993	9.302	9.161	8.869	8.820	9.188	9.333		
1421837	at	Rps18	NM 138946	Mm.298745	17	6.774	6.893	6.880	6.954	6.978	6.890	6.927	7.062	6.941	6.945	7.033	6.838	6.973	7.002	6.973	7.006	6.821	7.034	6.807	7.014	6.962	6.796	7.048	6.938		
1421838	at	Rps18	NM 138946	Mm.298745	17	4.722	4.689	4.690	4.706	4.653	4.631	4.605	4.638	4.530	4.461	4.867	4.782	4.609	4.471	4.513	4.620	4.767	4.475	4.507	4.685	4.668	4.737	4.784	4.504	4.742	4.633
1421839	at	Abca1	BB144704	Mm.277376	4	7.045	6.654	7.311	7.194	6.610	6.925	6.717	6.466	6.883	6.977	6.624	6.499	6.947	6.792	6.866	7.484	6.518	6.400	6.678	6.874	6.601	6.288	6.645	7.004		
1421840	at	Abca1	BB144704	Mm.277376	4	10.748	10.121	10.920	10.538	9.994	10.205	9.907	9.902	10.027	10.921	9.794	10.557	10.771	10.493	10.463	11.023	9.674	9.821	10.244	9.762	9.953	10.325	10.186	10.050		
1421841	at	Fat3r	NM 008010	Mm.6904	5	8.606	8.659	8.918	8.270	8.581	8.366	8.477	8.482	8.693	8.678	8.480	8.732	8.575	8.749	8.596	8.996	7.444	8.197	8.032	7.929	8.515	8.487	9.225	8.787		
1421842	a at	Scamp4	AF295102	Mm.273170	10	7.563	8.162	7.715	7.908	7.889	7.901	7.785	8.553	7.817	7.917	7.678	7.569	7.682	8.040	7.730	7.728	6.947	7.331	7.720	7.718	7.359	6.789	7.754	7.747		
1421844	at	Ilrap	BE285634	Mm.253424	16	7.255	7.214	7.273	7.151	7.136	7.108	7.147	7.132	7.241	7.028	7.329	7.105	7.156	7.024	7.397	7.146	7.049	6.954	7.195	7.324	7.009	7.100	7.195	7.238		
1421844	at	Ilrap	BE285634	Mm.253424	16	7.321	7.506	7.437	7.241	7.423	7.575	7.424	7.512	7.674	7.841	7.629	7.409	7.588	7.622	7.560	7.269	7.317	7.141	7.409	7.255	7.335	7.467	7.439	7.329		
1421845	at	Gloph3	AV174110	Mm.250936	5	7.950	7.836	8.168	7.897	7.843	8.228	7.992	7.249	7.475	7.982	7.678	7.688	7.648	8.091	8.163	8.377	7.475	7.507	8.186	8.231	7.486	7.424	8.160	8.587		
1421846	at	Wsb2	BM730566	Mm.28489	5	9.223	9.817	9.214	9.286	9.527	9.269	9.300	9.061	9.691	9.769	9.687	9.471	9.528	9.724	9.611	9.257	9.142	9.453	9.453	9.548	9.057	9.081	9.357	9.309		
1421847	at	Wsb2	BM730566	Mm.28489	5	11.816	12.528	11.766	11.858	12.072	12.018	12.008	11.798	12.389	12.433	12.117	11.871	11.986	12.316	12.032	11.797	11.715	11.873	11.925	11.916	11.613	11.605	11.994	11.864		
1421848	at	Slc22a5	NM 011396	Mm.42253	11	7.213	6.657	7.515	7.412	6.957	7.493	7.345	6.774	6.653	6.946	7.134	6.665	6.822	6.986	7.175	7.255	7.036	7.043	7.468	7.797	7.207	6.971	7.575	7.632		
1421849	at	Sta2g	NM 021465	Mm.290422	X	10.126	10.048	10.187	10.011	10.048	10.344	10.182	10.334	10.103	10.425	10.315	10.330	10.349	10.252	10.533	10.220	10.107	9.857	9.950	10.247	10.151	10.484	10.486	10.546		
1421850	at	Mtblp1	BM731480	Mm.273170	13	6.374	6.373	6.492	6.363	6.421	6.277	6.426	6.342	6.296	6.473	6.118	6.436	6.228	6.393	6.185	6.448	6.339	6.468	6.359	6.439	6.389	6.467	6.434	6.465		
1421851	at	Mtblp1	BM731480	Mm.273170	13	6.096	7.810	6.626	6.441	7.085	6.632	6.251	6.277	6.331	6.039	6.708	7.337	6.517	6.786	6.335	6.466	6.305	6.947	6.305	6.947	6.305	6.947	6.305	6.947		
1421852	at	Kcnk5	AF319542	Mm.68998	14	6.309	6.261	6.473	6.443	6.435	6.391	6.397	6.518	6.832	6.590	6.446	6.677	6.415	6.583	6.571	6.424	6.521	6.480	6.366	6.590	6.534	6.327	6.289	6.368		
1421853	at	Psen1	L42177	Mm.998	12	10.288	10.608	10.384	10.442	10.362	10.384	10.386	10.224	10.510	10.546	10.377	10.504	10.439	10.605	10.438	10.414	10.207	10.308	10.361	10.299	10.177	10.219	10.356	10.383		
1421854	at	Fgl2	BF136544	Mm.292100	5	9.909	9.864	9.347	8.962	9.552	9.467	9.411	9.605	9.619	10.101	11.019	10.958	9.489	10.161	9.576	9.401	8.081	8.712	9.619	8.385	8.357	8.232	8.882	9.442		
1421855	at	Fal2	BF136544	Mm.292100	5	10.968	11.076	10.382	9.904	10.824	10.543	10.543	11.309	11.068	11.295	10.612	10.692	10.779	11.245	10.631	10.360	9.634	10.104	10.780	9.539	9.985	10.158	10.097	10.639		
1421856	at	S100a3	AF087470	Mm.400404	3	5.404	4.981	5.401	5.457	5.155	5.299	5.506	5.280	5.408	5.266	5.306	5.360	5.375	5.569	5.402	5.524	5.340	5.407	5.472	5.377	5.576	5.362	5.330	5.259		
1421857	at	Adam17	C76813	Mm.27681	12	7.408	6.681	7.620	7.635	7.395	7.773	7.755	7.122	7.539	7.777	7.500	7.537	7.506	7.951	7.603	7.766	6.828	7.266	7.602	7.625	7.160	6.721	7.872	7.937		
1421858	at	Adam17	C76813	Mm.27681	12	9.123	10.281	9.921	9.985	10.187	9.916	9.937	9.392	9.922	10.126	10.199	9.992	10.126	10.554	9.993	9.926	9.787	9.928	9.925	9.929	9.929	9.929	9.929	9.929		
1421859	at	Adam17	C76813	Mm.27681	12	9.233	9.504	9.345	9.488	9.485	9.563	9.437	8.994	9.678	9.668	9.472	9.477	9.447	9.731	9.597	9.382	9.104	9.515	9.644	9.526	9.217	9.197	9.661	9.794		
1421860	at	C1stn1	BG065300	Mm.38993	4	8.323	8.309	8.366	8.500	8.283	8.461	8.333	8.357	8.202	8.243	8.419	8.108	8.290	8.356	8.355	8.387	8.414	8.268	8.468	8.506	8.457	8.166	8.044	8.408		
1421861	at	C1stn1	BG065300	Mm.38993	4	9.312	9.265	9.172	9.520	9.836	9.459	8.951	9.389	9.433	9.478	9.396	9.571	9.651	8.797	9.709	9.138	9.618	9.756	9.506	9.494	9.526	9.767	9.576	9.534		
1421862	a at	Vamp1	AK018783	Mm.32321	6	7.241	6.806	6.840	7.062	6.782	6.618	6.763	6.939	6.936	6.509	6.866	6.640	6.889	6.810	6.723	6.803	7.029	6.856	6.818	6.810	6.893	6.736	6.947	6.914		
1421863	at	Vamp1	AK018783	Mm.32321	6	7.342	7.785	7.956	8.015	8.130	7.957	7.825	7.844	8.020	8.899	7.517	8.036	7.798	7.946	7.787	8.062	8.183	8.075	8.081	8.030	8.062	7.959	7.553	7.610		
1421864	at	Dbb1	AK006528	Mm.347413	11	7.145	6.797	7.050	6.930	6.898	6.945	7.077	6.964	6.855</																	

1421913	at	Mrpl19	BB041267	MM.276293	6	4.468	4.293	4.218	4.111	4.176	4.486	4.238	4.283	4.286	4.369	4.329	4.318	4.372	4.416	4.286	4.354	4.301	4.223	4.326	4.211	4.319	4.418	4.344	4.504
1421914	s at	Mrpl19	BB041267	MM.276293	6	9.307	9.917	9.239	9.527	9.359	9.501	9.622	9.920	9.321	9.343	9.369	9.254	8.999	9.404	9.149	9.307	9.770	9.798	9.609	9.503	9.537	9.626	9.129	9.403
1421915	a at	St3qal3	AK005053	MM.251002	4	7.082	6.744	7.020	7.358	7.098	6.956	7.008	6.810	6.710	6.805	6.935	6.887	6.696	6.682	7.081	7.327	7.075	7.091	7.336	7.216	6.974	6.865	7.089	7.311
1421916	at	Pdgrfa	AW537708	MM.221403	5	6.519	6.876	6.885	6.738	6.911	7.054	6.785	6.801	6.930	6.762	6.957	6.797	6.912	7.163	6.768	6.849	6.572	6.615	6.853	6.832	6.707	6.581	6.842	6.723
1421917	at	Pdgrfa	AW537708	MM.221403	5	10.171	10.483	10.260	10.589	10.704	10.836	10.459	10.460	10.589	10.778	10.329	10.768	10.658	10.712	10.739	10.320	10.592	10.344	10.852	10.378	10.232	10.538	10.645	10.333
1421918	at	Ang32a	AF022957	MM.260808	9	9.381	9.287	9.408	9.702	9.487	9.948	9.440	9.433	9.311	9.305	9.127	9.473	9.450	9.318	9.390	9.342	9.951	9.912	9.780	9.802	9.949	9.615	9.472	9.845
1421919	a at	Ccr9	NM 009913	MM.440604	9	5.942	5.589	5.508	5.730	5.542	5.350	5.794	5.527	5.589	5.652	5.371	5.385	5.597	5.503	5.410	5.567	5.419	5.568	5.711	5.520	5.652	5.622	5.845	
1421920	a at	Ccr9	NM 009913	MM.440604	9	4.319	4.002	4.207	4.213	4.156	4.201	4.265	4.192	4.225	3.873	4.123	4.029	4.106	4.068	4.117	4.189	4.176	4.196	4.221	4.271	4.215	4.140	4.252	4.167
1421921	at	Serpinia3m	BC011158	MM.475855	12	6.848	5.821	6.285	6.206	6.115	6.274	6.131	6.030	6.112	6.274	6.113	5.999	6.184	6.397	5.982	6.466	5.807	5.872	6.097	5.838	5.864	6.045	6.114	6.102
1421922	at	Sh3bp5	BO179335	MM.383198	14	8.040	8.184	8.012	8.215	7.902	8.152	7.901	8.245	7.954	8.112	8.109	8.074	8.075	8.122	8.109	8.141	8.455	8.320	8.569	8.559	8.442	8.111	8.116	8.147
1421923	at	Sh3bp5	BO179335	MM.383198	14	9.161	9.970	9.025	9.280	9.123	9.167	9.172	9.454	9.298	9.296	9.136	9.412	9.303	9.209	9.434	9.121	9.832	9.699	9.673	9.586	9.441	9.533	9.368	8.925
1421924	at	Slc2a3	MJ5135	MM.395108	6	5.539	5.349	5.623	5.430	5.489	5.134	5.698	5.676	5.441	5.347	5.279	5.303	5.559	5.535	5.591	5.517	5.465	5.583	5.597	5.576	5.370	5.732	5.517	5.498
1421925	at	Maok11	AV329330	MM.91969	15	6.931	6.722	6.928	7.033	6.877	6.858	6.954	6.944	6.944	6.785	7.140	7.063	6.951	6.929	6.996	6.976	6.943	6.849	6.948	7.084	6.901	6.920	6.988	6.911
1421926	at	Maok11	AV329330	MM.91969	15	6.939	6.971	6.902	6.701	6.996	6.890	7.006	7.247	6.831	7.179	7.668	7.033	6.899	7.005	7.191	6.830	6.729	6.598	6.722	6.958	6.860	6.788	6.818	7.072
1421927	at	Tblt2	NM 013763	MM.36746	5	6.764	6.768	6.681	6.522	6.491	6.493	6.720	6.570	6.596	6.600	6.412	6.603	6.260	6.602	6.762	6.562	6.552	6.658	6.634	6.594	6.735	6.446	6.325	6.629
1421928	at	Epha4	BB706548	MM.400747	1	8.279	7.645	8.336	8.372	8.037	8.009	8.350	7.647	7.965	7.690	8.130	7.749	7.975	7.886	8.017	8.283	8.296	8.408	8.490	8.700	8.585	8.372	8.609	8.342
1421929	at	Epha4	BB706548	MM.400747	1	9.368	8.394	9.745	9.891	8.752	9.507	9.528	8.537	8.179	8.083	8.096	8.513	8.073	8.147	8.369	9.692	9.825	9.983	9.881	9.748	9.412	9.775	9.709	9.434
1421930	at	Icos	AB023132	MM.42044	1	8.288	7.920	8.169	8.200	8.112	7.910	8.176	8.210	8.098	8.087	8.079	7.930	8.043	8.023	8.109	7.985	7.972	7.998	8.171	8.125	8.053	7.935	8.124	8.083
1421931	at	Icos	AB023132	MM.42044	1	6.605	6.149	6.576	6.440	6.214	6.202	6.336	6.295	6.127	6.310	6.390	6.197	6.378	6.346	6.317	6.546	6.234	6.518	6.331	6.424	6.407	6.453	6.627	6.612
1421932	at	Cbx5	NM 007626	MM.262059	15	6.566	6.493	6.529	6.713	6.553	6.547	6.597	6.677	6.749	6.601	6.804	6.575	6.407	6.558	6.546	6.519	6.585	6.559	6.472	6.717	6.862	6.692	6.652	6.820
1421933	at	Cbx5	NM 007626	MM.262059	15	5.989	5.985	5.950	5.876	5.992	5.977	5.864	5.907	5.808	5.841	5.918	5.820	5.917	5.864	5.918	5.983	5.968	5.768	5.964	5.980	5.988	5.686	5.821	5.863
1421934	at	Cbx5	NM 007626	MM.262059	15	8.772	8.996	9.092	8.656	8.728	8.724	8.815	8.799	8.955	8.960	8.921	8.609	8.784	9.125	8.808	8.955	8.403	8.449	8.775	8.753	8.382	8.519	8.656	8.813
1421935	at	Rps20	BG070206	MM.21938	4	6.524	6.152	6.667	6.414	6.612	6.521	6.569	6.286	6.334	6.317	6.243	6.383	6.347	6.394	6.455	6.250	6.423	6.239	6.566	6.746	6.440	6.159	6.462	6.327
1421936	at	Dapp1	NM 011932	MM.254835	3	6.965	7.186	6.587	6.498	6.772	6.497	6.434	6.561	7.186	7.079	6.700	7.717	7.162	6.921	6.676	6.663	6.396	6.373	6.469	6.320	6.598	6.763	6.453	6.585
1421937	at	Dapp1	NM 011932	MM.254835	3	8.606	8.586	8.714	8.692	8.523	8.308	8.524	8.229	8.855	8.913	8.441	8.083	9.147	8.288	8.680	8.738	8.395	8.483	8.422	6.684	8.356	8.363	8.462	6.682
1421938	at	Serhi	AK002313	MM.30056	15	9.167	7.999	9.407	9.353	9.781	9.350	9.223	9.290	9.663	9.672	9.290	9.927	9.588	9.234	9.383	9.480	9.388	9.432	9.311	9.213	9.322	9.318	9.016	9.196
1421939	s at	Stal1	AK021443	MM.42135	9	6.250	6.521	6.592	6.626	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363	6.297	6.363
1421940	at	Stal1	AK021443	MM.42135	9	9.167	7.999	9.407	9.353	9.781	9.350	9.223	9.290	9.663	9.672	9.290	9.927	9.588	9.234	9.383	9.480	9.388	9.432	9.311	9.213	9.322	9.318	9.016	9.196
1421941	at	Camk4	BF660296	MM.223239	18	5.432	5.189	5.490	5.509	5.387	5.375	5.398	5.514	5.262	5.186	5.321	5.558	5.409	5.296	5.251	5.548	5.621	5.416	4.956	5.509	5.640	5.452	5.554	5.432
1421942	s at	Tgfa	M92420	MM.137222	6	7.393	6.940	7.157	7.318	7.201	6.992	7.235	7.220	7.179	7.181	7.337	7.036	7.318	7.236	7.180	7.266	7.212	6.987	7.174	7.292	7.214	7.207	7.365	7.195
1421943	at	Tgfa	M92420	MM.137222	6	5.453	5.221	5.490	5.505	5.410	5.542	5.474	5.237	5.377	5.350	5.603	5.634	5.594	5.531	5.455	5.623	5.403	5.284	5.402	5.466	5.387	5.287	5.503	5.579
1421944	a at	Asor1	U09362	MM.6559	11	4.903	4.789	4.690	4.908	4.812	4.649	4.655	4.662	4.730	4.675	4.981	4.700	4.732	4.730	4.548	4.494	4.713	4.683	4.598	4.648	4.865	4.760	4.726	4.695
1421945	a at	Bcd1	NM 023323	MM.11480	10	7.736	8.396	7.905	7.718	7.774	7.764	8.050	8.127	7.691	7.899	8.066	7.742	7.551	8.064	7.519	7.891	7.720	7.726	7.809	7.643	7.686	7.938	7.783	7.857
1421946	at	Crp	NM 007768	MM.28767	1	6.707	5.831	6.452	6.253	6.319	6.570	6.408	6.567	6.296	5.987	6.432	6.119	6.446	6.402	6.512	6.683	6.206	6.384	6.431	6.755	6.490	6.324	6.632	6.735
1421947	at	Ang12	BB042578	MM.33263	7	8.091	8.187	8.210	8.363	8.216	8.012	8.111	8.211	8.360	8.342	8.246	8.491	8.361	8.219	8.301	8.177	8.210	8.242	8.209	8.195	8.040	8.092	8.081	8.132
1421948	a at	Ccdc123	BB042564	MM.133263	7	6.538	6.466	6.834	6.734	6.581	6.382	6.575	6.521	6.442	6.510	6.613	6.623	6.372	6.302	6.607	6.712	6.560	6.343	6.729	6.657	6.695	6.606	6.568	
1421949	a at	Ccdc123	BB042564	MM.133263	7	6.538	6.466	6.834	6.734	6.581	6.382	6.575	6.521	6.442	6.510	6.613	6.623	6.372	6.302	6.607	6.712	6.560	6.343	6.729	6.657	6.695	6.606	6.568	
1421950	at	Pldn2	NM 011070	MM.10756	1	10.451	10.794	10.538	10.566	10.498	10.616	10.666	10.076	10.417	10.403	10.574	10.523	10.408	10.561	10.549	10.633	10.441	10.811	10.942	10.731	10.516	10.184	10.179	10.664
1421951	at	Lhx1	AV335209	MM.4965	11	6.331	5.731	6.080	6.103	6.061	5.994	6.162	6.057	5.941	6.011	6.060	5.997	6.027	5.936	5.970	6.088	6.210	5.880	6.002	6.097	6.022	6.020	6.106	5.995
1421952	at	Cpn6	AI741733	MM.30298	X	6.284	6.107	6.227	6.113	6.345	6.260	5.987	6.353	6.297	6.433	6.444	6.043	6.307	6.242	6.089	6.205	5.999	6.302	6.108	6.299	6.279	5.994	6.086	6.080
1421953	at	Crkl	BB402776	MM.21048	16	7.371	7.162	7.417	7.313	7.206	7.336	7.193	6.902	7.291	7.182	7.410	7.150	7.156	7.202	7.177	7.330	7.074	7.034	7.209	7.352	6.89			

1422002	at	Mxd1	L38926	MM.279580	6	6.348	5.966	6.307	6.333	6.212	6.235	6.259	6.394	6.288	5.992	6.384	6.244	6.472	6.203	6.100	6.212	6.256	6.065	6.163	6.277	6.382	6.276	6.349	6.293	
1422003	at	Cxcr5	NM 007551	Mm.6246	9	5.523	5.536	5.728	5.729	5.823	6.158	5.830	5.805	5.852	5.856	5.958	5.724	5.923	5.942	5.877	5.901	5.791	5.866	5.718	6.136	5.830	5.713	5.917	5.774	
1422004	at	D730048I06Rik	NM 026593	Mm.99495	9	6.234	5.765	6.060	5.940	6.040	5.832	6.035	5.863	5.875	5.941	5.643	5.535	5.607	5.875	5.884	5.724	5.970	5.847	5.856	6.187	5.959	5.620	5.800	6.071	
1422005	at	Erf2ak2	BE911444	Mm.378990	17	7.115	7.109	7.054	6.972	7.093	6.915	7.325	7.324	7.219	7.445	7.158	7.212	7.122	7.380	7.181	6.818	7.199	7.141	7.261	7.342	7.100	7.097	7.134	7.022	
1422006	at	Erf2ak2	BE911444	Mm.378990	17	7.316	7.482	7.319	7.362	7.440	7.412	7.453	7.484	7.527	7.567	7.479	7.350	7.241	7.450	7.348	7.380	7.436	7.387	7.447	7.337	7.390	7.435	7.363	7.358	
1422007	at	Erf2ak2	AF100416	Mm.34043	4	7.092	6.542	6.928	7.107	6.757	6.875	6.971	6.906	6.875	6.911	6.050	6.906	6.707	6.739	6.877	6.797	7.033	6.950	6.953	7.049	7.088	6.922	7.038	7.042	
1422008	a	Aqp3	AF104416	Mm.34043	4	3.618	3.601	3.657	3.655	3.687	3.605	3.568	3.683	3.648	3.679	3.645	3.530	3.656	3.674	3.687	3.558	3.626	3.766	3.543	3.545	3.704	3.691	3.756	3.748	
1422009	at	Atp1b2	NM 013415	Mm.235204	11	7.061	6.718	6.877	7.076	6.837	6.842	6.896	6.787	6.817	6.769	6.997	6.758	6.919	6.878	7.017	6.814	6.844	6.839	7.097	6.881	6.936	6.648	7.051	6.912	
1422010	at	Tlr7	AY035889	Mm.23979	X	7.003	7.373	7.080	6.918	7.140	7.018	7.108	6.856	7.586	7.224	6.977	7.104	7.241	7.361	7.136	7.003	6.880	6.916	7.063	6.983	7.081	6.975	7.024	7.155	
1422011	s	at	Xlr	BC005560	Mm.379041	X	5.132	5.335	4.984	5.081	4.754	5.072	5.606	5.375	5.316	5.203	4.942	4.985	5.078	5.158	4.850	4.957	5.156	5.069	4.890	5.281	4.934	5.701	5.717	
1422012	at	Chr2	U21729	Mm.236081	6	5.943	6.368	6.184	6.368	6.133	6.324	6.009	6.076	5.795	5.803	5.736	5.964	5.644	5.965	5.842	6.119	6.956	6.901	6.675	6.397	6.292	6.628	6.071	6.426	
1422013	at	Clec4e2	NM 011999	Mm.47384	6	7.136	8.875	7.277	7.400	7.865	7.551	7.743	7.599	9.013	8.837	7.510	7.827	8.197	8.860	7.835	7.407	7.139	7.122	7.405	6.826	7.149	7.280	6.834	6.807	
1422014	at	Foxp2	AY079003	Mm.332919	6	6.224	6.324	6.321	6.278	6.355	6.531	6.247	6.346	6.555	6.387	6.159	6.732	6.545	6.400	6.143	6.119	6.329	6.323	6.488	6.379	6.618	6.201	6.411	6.214	
1422015	a	Acbcb8	NM 029020	Mm.283914	5	10.057	9.767	10.082	10.221	9.966	10.034	9.920	9.475	9.604	9.620	9.945	9.566	9.650	9.677	9.919	10.084	9.675	9.778	10.071	10.207	9.798	9.944	10.111	10.097	
1422016	a	Cenph	BC025084	Mm.273502	13	4.695	5.336	4.639	4.389	4.670	4.688	4.850	4.875	5.281	4.732	4.963	4.602	4.739	4.976	4.603	4.667	4.657	4.597	4.712	4.770	4.534	4.678	4.452	4.704	
1422017	s	at	48343439L19Rik	NM 029241	Mm.24593	13	6.803	6.596	6.738	6.932	6.844	6.949	6.728	6.802	6.701	6.558	6.879	6.721	6.772	6.778	6.834	6.805	6.844	6.772	6.941	6.826	6.757	6.617	6.839	
1422018	at	Hivep2	NM 010437	Mm.42157	10	7.529	7.555	7.553	7.529	7.524	7.841	7.723	7.357	7.409	7.663	8.111	7.435	7.485	7.556	7.619	7.802	7.123	6.797	7.001	7.452	7.104	7.185	7.939	7.994	
1422019	at	Tgfbir2	NM 009371	Mm.172346	9	4.477	4.366	4.480	4.554	4.501	4.525	4.446	4.577	4.479	4.355	4.481	4.321	4.426	4.556	4.407	4.428	4.439	4.528	4.450	4.521	4.473	4.431	4.687	4.524	
1422020	at	Zfp319	BG070168	Mm.42038	18	6.380	6.274	6.347	6.508	6.392	6.253	6.384	6.489	6.425	6.488	6.749	6.628	6.602	6.335	6.256	6.322	6.417	6.463	6.388	6.366	6.483	6.638	6.439	6.419	
1422021	at	Spry4	BG070168	Mm.42038	18	6.770	6.595	6.618	6.731	6.530	6.617	6.596	6.473	6.602	6.604	6.765	6.472	6.566	6.709	6.374	6.628	6.581	6.612	6.594	6.691	6.631	6.566	6.723	6.727	
1422022	at	Zfp319	NM 024467	Mm.350514	8	5.430	5.244	5.363	5.381	5.352	5.378	5.349	5.385	5.329	5.043	5.690	5.295	5.369	5.384	5.368	5.342	5.196	5.447	5.319	5.314	5.269	5.172	5.490	5.311	
1422023	at	Bsn	AV139249	Mm.20425	9	6.185	6.125	5.905	5.917	6.083	6.007	6.181	6.143	5.836	5.712	5.592	5.994	5.814	5.957	6.042	5.948	5.974	6.149	6.101	6.196	6.163	6.184	6.157	6.305	
1422024	at	Fil1	NM 008026	Mm.258908	9	8.257	8.496	8.168	8.368	8.598	8.215	8.163	8.623	8.600	8.421	8.581	8.674	8.494	8.544	8.493	8.247	8.544	8.493	8.366	8.344	8.255	8.387	7.973	8.102	
1422025	at	Mtf	NM 008601	Mm.333284	6	6.472	6.286	6.450	6.364	6.240	6.308	6.434	6.144	6.018	5.984	6.189	6.156	6.196	5.870	6.253	6.578	6.502	6.376	6.408	6.374	6.404	6.138	6.385	6.277	
1422026	at	Pl16	AB046537	Mm.30950	17	6.187	6.159	6.222	6.253	6.241	5.971	5.975	6.056	6.676	6.014	5.973	6.013	6.238	6.165	5.979	5.993	6.054	5.847	6.007	6.116	5.881	6.064	5.758	5.840	
1422027	a	Ets1	BC010588	Mm.292415	9	7.396	7.653	7.624	7.350	7.757	7.460	7.498	7.810	7.853	7.897	7.738	7.374	7.607	7.433	7.786	7.378	7.994	7.922	7.819	7.680	7.667	7.911	7.644	7.782	
1422028	a	Ets1	NM 029245	Mm.29245	5	7.657	7.656	7.651	7.657	7.657	7.487	7.656	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	7.657	
1422029	at	Cc120	AF099052	Mm.47429	1	7.735	7.607	7.651	7.657	7.759	7.757	7.606	7.503	7.477	7.412	7.416	7.436	7.545	7.487	7.436	7.545	7.487	7.436	7.545	7.487	7.436	7.545	7.487	7.436	
1422030	at	Atp6v0a4	AF326316	Mm.471742	6	5.727	5.590	5.551	5.792	5.628	5.452	5.575	5.491	5.620	5.718	5.635	5.706	5.664	5.763	5.797	5.535	5.484	5.870	5.390	5.629	5.752	5.627	5.548	5.695	
1422031	a	Zfand6	NM 022985	Mm.209349	7	10.192	10.075	9.942	10.089	10.214	10.143	10.075	10.384	10.091	10.174	10.030	10.375	10.239	10.043	9.988	10.006	10.060	10.220	10.333	10.442	10.474	10.028	9.999		
1422032	a	Zfand6	NM 022985	Mm.209349	7	11.810	11.747	12.062	11.929	11.796	12.228	12.166	11.108	11.599	11.915	11.536	11.772	11.779	11.884	11.910	12.055	11.436	11.830	12.155	12.209	11.564	11.466	12.168	12.041	
1422033	a	Zfp91	NM 035007	Mm.290924	19	7.136	7.295	7.131	7.154	7.106	7.400	7.056	7.274	7.134	7.171	7.236	7.153	7.074	7.281	7.149	7.178	7.011	7.044	7.175	7.213	7.128	6.965	7.237	7.129	
1422034	a	Paln	NM 023128	Mm.34650	10	7.975	7.507	7.874	7.888	7.820	7.745	7.858	7.662	7.711	7.971	7.827	7.930	7.989	7.641	7.891	7.955	7.714	7.652	7.784	8.007	7.841	7.751	7.985	7.845	
1422035	at	Serp1nb9c	AK014448	Mm.219429	13	5.684	5.388	5.346	5.482	5.167	5.378	5.407	5.304	5.258	5.334	5.355	5.468	5.266	5.306	5.330	5.395	5.367	5.268	5.432	5.486	5.487	5.626	5.379	5.307	
1422036	at	Nr6a	NM 015500	Mm.52195	15	5.234	5.995	5.120	5.215	5.230	5.191	5.169	5.459	5.682	5.504	5.185	5.299	5.356	5.098	5.203	5.388	5.498	5.203	5.320	5.418	5.313	5.044	5.388	5.320	
1422037	at	Dlx3	U79738	Mm.5194	11	6.159	5.830	6.068	6.039	5.923	5.812	6.054	6.159	5.693	5.837	6.243	6.088	5.825	5.941	6.024	6.106	6.186	6.173	5.962	6.189	6.116	6.012	6.144	6.282	
1422038	a	Tnfrsf22	NM 023680	Mm.261384	7	6.076	6.095	5.985	6.116	6.069	6.112	6.167	6.265	6.259	6.260	6.376	6.095	6.264	6.159	6.093	6.163	6.067	6.089	6.108	6.023	6.169	6.059	6.248	6.186	
1422039	at	Tnfrsf22	NM 023680	Mm.261384	7	7.845	7.540	7.765	7.672	7.708	7.533	7.633	7.533	7.619	7.786	7.773	7.518	7.652	7.634	7.462	7.679	7.487	7.586	7.608	7.594	7.589	7.322	7.743	7.789	
1422040	at	Sema7a	AF176670	Mm.335187	9	5.644	5.639	5.581	5.769	5.860	5.717	5.713	5.889	6.001	5.743	5.931	5.856	5.913	5.690	5.648	5.777	5.879	5.599	5.822	5.804	5.778	5.839	5.791	5.651	
1422041	at	Pilrb1	NM 133209	Mm.347593	5	8.262	8.287	8.167	8.215	7.931	7.990	8.189	8.165	8.106	7.934	8.113	7.894	8.106	8.399	7.891	8.030	8.144	7.990	7.906	8.052	8.336	8.139	7.980	8.080	
1422042	at	G1e1	NM 080450	Mm.332771	5	5.808	5.521	5.675	5.875	5.685	5.747	5.718	5.646	5.636	5.599	5.731	5.610	5.844	5.669	5.6										

1422091	at	Pkfb2	BC018418	Mm.249861	1	8.407	8.159	8.392	8.345	8.270	8.297	8.410	8.495	8.222	8.205	8.274	8.232	8.295	8.306	8.301	8.573	8.319	8.421	8.610	8.443	8.837	8.127	8.404	8.369
1422092	at	Pkfb2	BC018418	Mm.249861	1	6.901	6.548	6.979	7.016	6.568	6.820	6.769	6.325	6.532	6.731	6.700	6.750	6.711	6.470	6.391	7.237	6.285	6.510	6.512	6.731	6.592	6.466	7.027	6.946
1422093	at	Wnt3a	NM 009522	Mm.1367	11	7.083	6.588	7.105	6.865	6.843	6.901	6.916	6.671	6.860	6.671	6.904	6.750	6.886	6.821	6.904	7.065	6.941	6.834	6.974	6.981	7.056	6.847	6.929	6.997
1422094	a at	Zfp329	NM 026046	Mm.335574	7	6.859	7.316	7.258	7.136	7.185	7.140	6.962	7.305	7.639	7.709	6.669	7.726	7.579	7.194	7.355	7.067	7.268	7.114	6.924	7.161	7.201	7.414	8.865	6.985
1422095	a at	Cnkp2	AK004595	Mm.271839	12	6.752	6.731	6.724	6.687	6.534	6.847	6.676	7.049	6.747	6.534	6.773	6.614	6.754	6.944	6.684	6.700	6.789	6.675	6.813	6.680	6.892	6.845	6.778	6.711
1422096	at	4933434120Rik	AK017058	Mm.84115	8	6.244	6.209	6.155	6.000	6.065	6.079	6.215	6.413	6.152	6.048	6.225	6.146	6.081	6.153	6.195	6.165	6.071	6.151	6.206	6.143	6.177	6.048	6.039	6.639
1422097	at	4933434120Rik	AK017057	Mm.84115	8	4.884	4.676	4.827	4.808	4.815	4.883	4.832	4.813	4.841	4.760	4.823	4.755	4.842	4.795	4.756	4.854	4.825	4.760	4.848	5.006	4.866	4.869	4.778	4.963
1422098	at	Acrv1b	NM 007395	Mm.308467	15	6.769	6.184	6.510	6.705	6.562	6.679	6.676	6.553	6.354	6.293	6.546	6.377	6.471	6.309	6.452	6.795	6.414	6.398	6.717	6.881	6.876	6.248	6.880	6.754
1422099	a at	Opr1r	XN1813	Mm.285075	2	5.263	4.920	5.128	5.284	4.918	4.832	5.105	5.061	4.940	4.717	5.085	4.858	5.111	5.029	4.933	5.149	5.394	4.903	4.900	5.329	5.495	5.187	5.076	5.069
1422100	at	Cyp7a1	NM 007824	Mm.57029	4	5.171	5.012	5.011	5.016	4.983	5.242	5.435	5.108	5.003	5.110	5.239	4.937	5.072	5.296	5.115	5.101	5.150	4.873	5.060	5.106	4.915	5.115	5.192	5.117
1422101	at	Tnfrsf23	NM 024290	Mm.290780	7	6.918	7.116	6.777	6.623	6.689	6.383	6.686	6.695	7.191	7.189	7.233	6.539	6.645	7.251	6.888	7.101	6.735	6.253	6.743	6.752	6.701	6.613	6.765	6.601
1422102	a at	Stat5b	BC024319	Mm.34064	11	8.467	8.389	8.422	8.396	8.445	8.376	8.472	8.603	8.484	8.566	8.604	8.197	8.398	8.322	8.439	8.441	8.507	8.586	8.626	8.496	8.468	8.584	8.468	8.392
1422103	a at	Stat5b	BC024319	Mm.34064	11	9.058	8.772	9.181	9.313	9.117	9.256	9.170	8.780	8.647	8.882	8.844	8.866	8.813	8.706	9.009	9.266	9.358	9.370	9.188	9.314	9.178	9.250	9.436	
1422104	at	Vsx1	AF391758	Mm.207061	2	5.900	5.791	5.848	5.686	5.775	5.723	5.764	5.901	5.530	5.605	5.740	5.766	5.563	5.615	5.606	5.761	5.818	5.862	5.802	5.692	5.948	5.884	5.760	5.904
1422105	at	Cd3e	NM 007648	Mm.210361	9	8.732	8.314	8.712	8.729	8.590	8.608	8.762	8.549	8.532	8.518	8.704	8.572	8.493	8.817	8.633	8.608	8.575	8.560	8.677	8.793	8.598	8.398	8.716	8.718
1422106	a at	Spsb2	NM 013539	Mm.261906	6	8.083	8.403	8.112	8.218	8.179	8.101	8.187	8.023	8.221	8.296	8.162	8.284	8.327	8.306	8.287	8.127	8.106	8.178	8.218	8.050	8.076	7.880	8.015	8.149
1422107	at	2410066E13Rik	NM 026629	Mm.233860	6	6.214	5.785	6.003	6.097	5.916	5.866	5.970	6.184	5.818	6.067	5.899	5.967	6.091	5.876	6.019	6.061	6.144	5.925	6.158	6.053	6.189	5.970	6.132	5.911
1422108	at	Ppp1r3a	NM 080464	Mm.209429	6	8.043	7.484	7.846	7.771	7.731	7.976	7.986	7.642	7.190	7.313	7.299	7.398	7.454	7.453	7.860	7.880	7.725	7.673	7.863	7.920	8.032	7.753	8.030	8.030
1422109	at	Rb2	NM 009055	Mm.7892	8	5.835	5.794	6.022	6.067	5.829	5.835	5.841	5.958	6.020	5.758	5.593	5.771	5.929	5.778	5.769	5.766	5.633	5.561	5.678	5.709	6.120	5.596	5.789	5.889
1422110	at	Cchp1	NM 021877	Mm.7598	14	7.410	7.340	7.312	7.351	7.517	7.309	7.413	7.482	7.491	7.547	7.440	7.536	7.301	7.438	7.411	7.391	7.192	7.095	7.333	7.378	7.397	7.287	7.624	7.571
1422111	at	Cxrb	BE631540	Mm.258105	9	6.821	6.272	6.428	6.649	6.408	6.429	6.538	6.542	6.475	6.470	6.569	6.407	6.543	6.297	6.542	6.495	6.385	6.366	6.587	6.724	6.607	6.496	6.399	6.811
1422112	at	Ccchp2	BE631540	Mm.258105	9	6.218	5.830	6.198	6.172	5.940	6.000	6.074	6.078	6.043	6.208	6.075	5.984	5.924	5.999	6.101	6.070	5.928	6.025	6.037	6.062	5.990	5.885	6.197	6.137
1422113	at	Scl5a5	AF380353	Mm.172923	8	8.574	8.366	8.315	8.365	8.349	8.334	8.309	8.550	8.542	8.247	8.483	8.319	8.404	8.353	8.308	8.386	8.588	8.462	8.419	8.413	8.544	8.417	8.354	8.466
1422114	at	Erf	NM 010155	Mm.8068	7	5.472	5.274	5.343	5.356	5.338	5.309	5.410	5.438	5.338	5.349	5.430	5.408	5.246	5.445	5.468	5.454	5.282	5.305	5.435	5.483	5.348	5.282	5.448	5.446
1422115	a at	Fit3l	NM 126366	Mm.1858	7	5.300	5.431	5.177	5.272	5.352	5.345	5.385	5.201	5.342	5.323	5.297	5.242	5.297	5.372	5.157	5.282	5.487	5.256	5.616	5.175	5.444	5.100	5.120	5.411
1422116	at	Aff2	NM 008032	Mm.466576	X	6.496	6.537	6.535	6.779	6.460	6.489	6.511	6.649	6.585	6.512	6.461	6.115	6.551	6.619	6.451	6.588	6.635	6.739	6.612	6.487	6.511	6.686	6.536	6.530
1422117	s at	Khdrb2s	NM 012325	Mm.3391573	1	9.044	9.133	9.158	9.548	9.761	9.776	10.108	8.838	10.805	10.494	8.836	9.707	9.945	10.983	9.461	9.192	9.076	9.107	8.639	8.883	9.163	8.952	9.047	8.766
1422118	at	Ctcf	NM 023485	Mm.326243	8	6.511	6.106	6.825	6.559	6.319	6.358	6.351	6.232	6.431	6.351	6.193	6.175	6.303	6.246	6.316	6.283	6.256	6.312	6.292	6.376	6.232	6.392	6.444	6.609
1422119	at	Raf5b	NM 011229	Mm.12815	10	7.234	7.197	7.183	7.304	7.059	7.169	7.075	7.060	7.169	6.845	7.219	7.245	7.384	7.135	7.099	7.187	7.313	6.918	7.176	7.195	7.092	7.037	7.063	7.244
1422120	at	Ea2f	AY034479	Mm.432078	16	6.629	6.363	6.540	6.118	6.580	6.013	6.375	6.667	6.382	6.274	6.409	6.667	6.485	6.493	6.394	6.303	6.383	6.633	6.274	6.515	6.563	6.331	6.673	6.360
1422121	at	Oprd1	L06322	Mm.5243	4	5.738	5.483	5.555	5.572	5.602	5.658	5.445	5.556	5.602	5.349	5.598	5.697	5.694	5.660	5.715	5.609	5.690	5.693	5.698	5.870	5.652	5.611	5.475	5.771
1422122	at	Fcer2a	M99371	Mm.1233	8	6.406	6.202	6.458	6.327	6.312	6.265	6.372	6.226	6.254	6.018	6.160	6.423	6.239	6.194	6.082	6.234	6.255	6.345	6.294	6.420	6.228	6.011	6.298	6.282
1422123	s at	Ceacam1	NM 011926	Mm.322502	7	8.223	8.801	9.161	8.927	8.697	8.690	8.926	9.058	8.715	8.824	8.886	9.062	8.872	8.917	8.771	8.912	9.076	9.107	8.639	8.883	9.163	8.952	9.047	8.766
1422124	a at	Ptfrc	NM 011210	Mm.391573	1	9.044	9.133	9.158	9.548	9.761	9.776	10.108	8.838	10.805	10.494	8.836	9.707	9.945	10.983	9.461	9.192	9.076	9.107	8.639	8.883	9.163	8.952	9.047	8.766
1422125	at	Plcb2	NM 003487	Mm.155620	15	7.733	8.076	7.825	7.659	8.119	7.658	7.588	7.618	8.193	7.888	7.863	7.937	7.810	7.796	7.716	7.660	7.834	7.714	7.727	7.702	7.820	7.731	7.675	7.609
1422126	a at	Udd1l3	NM 026341	Mm.317636	14	7.739	7.735	7.832	7.876	8.135	7.989	8.415	8.415	7.631	7.965	7.818	8.287	7.895	7.568	7.908	7.774	8.333	8.278	7.871	7.774	8.107	8.440	7.815	7.958
1422127	at	Dhh	NM 007857	Mm.324688	15	4.783	4.874	5.010	4.976	5.077	4.730	4.665	5.091	5.042	4.767	4.916	4.944	5.260	5.130	4.908	4.823	5.049	4.761	4.964	4.921	5.180	5.046	5.001	4.966
1422128	at	Rpl14	NM 025974	Mm.289810	9	6.606	7.858	6.515	6.594	6.709	6.704	6.638	6.810	7.615	7.483	6.984	6.770	6.917	7.270	6.460	6.429	6.595	6.769	6.714	6.401	6.499	6.493	6.501	6.439
1422129	at	Apc2	NM 011789	Mm.57247	10	7.581	7.358	7.352	7.391	7.446	7.309	7.403	7.601	7.403	7.277	7.426	7.261	7.478	7.385	7.278	7.499	7.458	7.329	7.485	7.512	7.396	7.271	7.362	7.345
1422130	at	Nptx1	NM 008730	Mm.5142	11	8.579	7.989	8.382	8.185	8.222	8.435	8.557	8.269	8.307	8.145	8.297	8.119	8.320	8.092	8.355	8.500	8.334	8.316	8.332	8.657	8.312	8.407	8.321	8.374
1422131	at	Cdc1a	NM 133761	Mm.28733	14	6.245	5.906	6.224	6.328	6.100	6.126	6.241	6.316	6.162	6.078	6.299	6.020	6.083	6.167	6.220	6.254	6.253	6.1						

1422180	a	at	Tpsb2	NM	010781	Mm.7409	17	7.788	7.372	7.658	7.524	7.481	7.426	7.602	7.559	7.473	7.610	7.636	7.252	7.402	7.432	7.589	7.642	7.494	7.343	7.622	7.556	7.580	7.593	7.541	7.756	
1422181	at	Cnaa2	NM	007724	Mm.5097	X	3	6.261	5.795	6.346	6.394	6.250	6.424	6.380	6.265	5.857	6.176	6.236	6.448	6.371	6.358	6.484	6.435	6.464	6.452	6.514	6.498	6.415	6.400	6.520	6.531	
1422182	at	Hnf4a	NM	013920	Mm.390897		3	4.324	3.935	4.158	4.112	4.185	4.077	4.100	3.977	4.253	4.008	4.064	3.872	4.072	3.971	4.060	4.282	4.029	4.103	4.068	4.210	3.948	4.008	4.032	4.155	
1422183	a	at	Adra1b	NM	007416	Mm.390986	11	7.220	6.759	7.006	7.182	7.091	7.015	6.940	7.133	7.048	7.103	6.978	7.007	6.984	7.015	6.940	7.305	7.429	7.071	7.133	7.138	7.215	7.108	7.217	6.841	
1422184	a	at	Akl1	NM	021515	Mm.291089	2	12.484	12.651	12.564	12.759	12.402	12.804	12.413	11.980	11.681	11.534	12.081	12.204	12.130	11.757	12.273	12.585	12.385	12.597	12.610	12.734	12.426	12.336	12.641	12.584	
1422185	at	CyP5r3	NM	029787	Mm.22560		15	9.986	11.013	9.981	10.163	10.983	9.911	9.999	9.929	11.015	11.154	10.675	11.493	11.406	10.621	9.970	9.751	10.058	10.219	10.022	9.850	9.905	9.910	9.933		
1422186	s	at	Mm.Cv5r5	NM	029787	Mm.22560	15	11.551	12.545	11.497	11.740	12.596	11.718	11.536	11.996	12.822	12.723	13.234	13.175	13.076	12.339	12.376	11.532	11.620	11.551	11.677	11.499	11.551	11.672	11.568	11.278	
1422187	at	Gabra3	NM	008074	Mm.434343		7	5.921	5.448	5.515	5.736	5.581	5.870	5.743	5.588	5.409	5.406	5.661	5.691	5.796	5.627	5.828	5.835	5.728	5.636	5.760	5.577	5.945	5.855	5.900	5.550	
1422188	s	at	Tcrq-v3	NM	011558	Mm.364155	13	4.710	4.576	4.487	4.618	4.735	4.596	4.633	4.730	4.750	4.473	4.632	4.680	4.734	4.559	4.387	4.462	4.633	4.722	4.462	4.844	4.780	4.479	4.743	4.602	
1422189	x	at	Tcrq-v4	NM	011558	Mm.246559	13	5.805	5.612	5.628	5.663	5.502	5.770	5.706	5.615	5.554	5.618	5.547	5.659	5.553	5.608	5.614	5.859	5.565	5.588	5.611	5.635	5.680	5.540	5.683	5.711	
1422190	at	CSa1r	NM	007577	Mm.247623		7	7.677	7.698	7.726	7.493	7.449	7.502	7.593	7.474	7.691	7.664	7.953	7.199	7.432	8.308	7.503	7.573	7.395	7.289	7.571	7.463	7.528	7.275	7.815	7.869	
1422191	at	Ccd200r1	NM	021325	Mm.416152		16	6.423	7.134	6.573	6.758	6.435	6.593	6.549	6.740	6.991	6.950	6.622	6.568	6.584	7.162	6.315	6.299	6.587	6.384	6.630	6.330	6.406	6.502	6.231	6.406	
1422192	at	Gla5	NM	008121	Mm.281816		3	6.184	5.717	5.983	5.899	5.938	5.731	5.981	5.900	5.715	5.823	5.894	5.820	5.835	5.928	5.701	5.794	5.907	5.852	5.959	5.836	6.005	5.891	5.874	5.876	
1422193	at	Mm.Gucy2e	NM	008192	Mm.291816		11	5.939	5.519	5.858	6.170	5.646	5.694	5.667	5.768	5.698	5.608	5.523	5.640	5.836	6.033	5.815	5.773	5.888	5.861	5.941	5.934	6.087	5.901	5.816	5.813	
1422194	at	Scn5a	NM	021544	Mm.103584		9	7.969	8.193	7.943	8.054	8.025	8.088	7.941	7.718	8.145	8.125	8.111	7.950	7.951	8.069	7.965	8.165	7.687	7.949	8.217	8.009	7.782	7.812	7.992	8.267	
1422195	s	at	Tbx15	NM	011534	Mm.88761	3	5.284	5.115	5.466	5.322	5.283	5.229	5.479	5.069	5.099	5.076	5.294	5.248	5.089	5.369	5.273	5.424	5.151	5.470	5.216	5.408	5.138	5.263	5.201	5.301	
1422196	at	Htr5b	NM	010483	Mm.4833		1	5.543	4.979	5.267	5.281	5.215	5.197	5.392	5.209	5.256	5.067	5.336	5.071	5.326	5.278	5.261	5.403	5.210	5.108	5.252	5.625	5.308	5.261	5.514	5.212	
1422197	at	Kcna2	NM	008417	Mm.56930		3	7.436	7.093	7.329	7.225	7.099	7.182	7.160	6.932	7.078	7.123	7.397	6.969	7.249	7.296	7.249	7.395	7.061	7.130	7.151	7.547	7.038	7.057	7.101	7.240	
1422198	a	at	Hsm11	NM	009171	Mm.364956	11	6.456	6.595	6.618	6.378	6.248	6.479	6.395	6.544	6.297	6.399	6.334	6.206	6.389	6.365	6.431	6.327	6.485	6.372	6.472	6.702	6.632	6.662	6.576	6.555	
1422200	at	Shp1	BI	409406	Mm.440368		7	7.973	7.720	7.827	7.982	7.686	7.619	7.889	7.949	7.893	7.836	7.739	7.844	7.862	7.886	7.874	7.799	8.145	7.869	7.788	7.845	8.015	8.066	7.949	7.909	
1422201	at	Hb2-Ob	NM	010389	Mm.327358		17	5.914	5.963	5.931	5.983	5.953	5.683	5.871	5.981	6.018	5.749	5.905	5.709	5.957	6.025	5.873	5.792	5.789	5.787	5.816	5.812	5.893	5.918	5.891	5.713	
1422202	at	Thrx	NM	009380	Mm.32563		14	6.666	6.127	6.554	6.376	6.066	6.438	6.461	6.087	6.160	5.985	6.116	6.136	6.157	6.091	6.307	6.309	6.238	6.355	6.403	5.510	6.359	6.307	6.480	6.690	
1422203	at	Scl18a3	NM	021712	Mm.190503		14	4.806	4.594	4.797	4.903	4.743	4.646	4.930	4.850	4.474	4.489	4.749	4.723	4.754	4.828	4.699	4.663	4.816	4.687	5.012	4.778	4.820	4.730	4.753		
1422204	at	Avr1b	NM	011924	Mm.89986		1	6.761	6.536	6.667	6.935	6.654	6.607	6.704	6.968	6.874	6.646	6.621	6.459	6.626	6.704	6.595	6.592	6.648	6.998	6.694	6.684	6.827	6.872	6.856	6.817	6.705
1422205	at	Sox1	NM	009233	Mm.39098		8	5.540	5.319	5.755	5.676	5.500	5.560	5.515	5.662	5.374	5.373	5.558	5.491	5.331	5.323	5.376	5.500	5.720	5.478	5.473	5.548	5.638	5.627	5.575	5.418	
1422206	at	Kcna11	NM	021283	Mm.534345		2	5.423	5.458	5.468	5.576	5.551	5.537	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	5.437	5.531	
1422207	at	Hm1	NM	008352	Mm.4833		18	6.277	5.938	6.456	6.527	6.338	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349	6.267	6.349
1422208	a	at	Gnb5	BC	016135	Mm.17604	9	9.420	9.632	9.709	9.681	9.646	9.658	9.680	9.211	9.259	9.370	9.295	9.574	9.441	9.264	9.545	9.653	9.321	9.833	9.759	9.754	9.385	9.154	9.351	9.561	
1422209	s	at	Krtap9-1	NM	015741	Mm.422800	11	7.011	6.610	6.776	6.960	6.640	6.786	6.872	6.907	6.981	6.641	6.786	6.717	6.783	6.678	6.749	6.963	6.674	6.848	6.861	6.873	6.925	6.765	7.095	6.625	
1422210	at	Foxd3	U	41047	Mm.4758		4	6.185	5.927	6.011	6.117	6.159	5.941	6.182	6.161	6.109	5.977	6.318	6.020	6.074	6.249	6.021	6.090	6.243	5.953	6.332	6.080	6.207	6.064	6.170	6.056	
1422211	a	at	B3ant3	AY	037785	Mm.290837	8	6.592	6.310	6.624	6.548	6.578	6.446	6.553	6.521	6.595	6.485	6.927	6.610	6.783	6.908	6.582	6.734	6.454	6.261	6.661	6.549	6.559	6.314	6.537	6.364	
1422212	at	Foxh1	AF	1010506	Mm.42011		15	9.213	8.767	9.150	9.102	8.932	9.146	9.108	8.938	8.761	8.773	9.023	8.850	8.900	8.972	9.054	9.997	9.016	8.981	9.159	9.250	9.006	8.908	8.997	9.114	
1422213	s	at	Hm2	AF	1010506	Mm.42011	15	7.073	6.883	6.963	7.092	6.813	6.863	7.014	6.935	6.821	6.775	6.988	6.975	6.900	6.926	6.799	6.943	6.831	6.905	7.002	7.079	7.021	7.014	7.044	7.023	
1422214	at	Hm2	AF	1010506	Mm.42011		15	7.073	6.883	6.963	7.092	6.813	6.863	7.014	6.935	6.821	6.775	6.988	6.975	6.900	6.926	6.799	6.943	6.831	6.905	7.002	7.079	7.021	7.014	7.044	7.023	
1422215	at	4930542C12Rik	NM	026292	Mm.158166		9	5.555	5.098	5.397	5.408	5.381	5.632	5.638	5.241	5.434	5.356	5.373	5.280	5.324	5.296	5.527	5.513	5.599	5.359	5.211	5.580	5.407	5.444	5.526	5.250	
1422216	at	Mid2	AF	196480	Mm.131097	X	7	7.238	7.585	7.305	7.169	7.700	7.329	7.424	7.412	7.641	7.769	7.448	7.587	7.769	7.613	7.671	7.424	7.330	7.385	7.608	7.575	7.079	7.365	7.295	7.393	
1422217	a	at	Cyp1a1	NM	009992	Mm.14089	9	6.104	5.644	5.976	5.962	5.749	5.928	5.999	5.722	5.498	5.525	5.878	5.558	5.799	5.808	5.859	5.859	5.662	5.676	5.850	5.811	5.810	5.893	5.753	5.920	
1422218	at	P2rx7	NM	011027	Mm.42026		5	7.809	7.432	7.690	7.602	7.652	7.705	7.672	7.723	7.641	7.656	7.765	7.594	7.744	7.696	7.533	7.661	7.661	7.651	7.575	7.824	7.737	7.389	7.746	7.582	
1422219	a	at	Tbx20	NM	020496	Mm.31452	9	5.514	5.559	5.600	5.443	5.404	5.420	5.393	5.550	5.567	5.763	5.435	5.665	5.607	5.474	5.403	5.610	5.488	5.505	5.747	5.361	5.516	5.315	5.134	5.248	
1422220	at	Krtap9-1	NM	008849	Mm.355440		16	5.707	5.363	6.040	5.660	5.870	5.790																			

1422269	at	InsM2	NM	020287	Mm.476288	12	5.373	5.302	5.020	5.149	5.201	4.904	5.145	5.181	5.254	5.139	5.257	5.223	5.101	5.340	5.035	5.029	5.475	5.382	5.044	5.158	5.058	5.128	5.200	5.300
1422270	a	lIf6a	NM	010559	Mm.2856	3	8.573	8.521	8.540	8.657	8.536	8.485	8.595	8.608	8.478	8.456	8.567	8.375	8.560	8.528	8.534	8.569	8.567	8.492	8.560	8.547	8.586	8.502	8.567	8.661
1422271	at	Pdv1r1	NM	008919	Mm.57059	14	7.649	7.284	7.416	7.578	7.391	7.366	7.507	7.543	7.508	7.215	7.436	7.396	7.561	7.539	7.251	7.474	7.523	7.555	7.537	7.591	7.478	7.441	7.548	7.466
1422272	at	PhxR4	NM	008835	Mm.41972	9	8.086	7.925	8.161	8.317	8.292	8.302	8.248	8.036	8.284	8.436	8.066	8.529	8.505	8.352	8.485	8.219	8.121	8.317	8.142	8.324	8.096	8.184	8.263	8.171
1422273	at	Mmp1b	NM	020907	Mm.37921	9	4.418	4.393	4.477	4.559	4.420	4.459	4.577	4.418	4.462	4.564	4.431	4.434	4.487	4.407	4.424	4.482	4.420	4.461	4.424	4.424	4.424	4.424	4.424	4.424
1422274	at	GjR4	NM	008123	Mm.468160	3	7.303	7.033	7.004	6.993	6.965	7.051	7.174	7.096	7.074	7.079	7.253	6.997	7.104	7.102	7.046	7.171	7.023	7.188	7.048	7.110	7.327	7.095	7.222	7.175
1422275	at	Gsr44	NM	009962	Mm.470721	19	7.022	6.904	6.971	7.070	6.863	6.959	6.982	7.087	6.823	6.920	7.017	6.849	7.004	6.981	6.889	7.162	7.060	6.849	7.090	6.970	7.044	6.794	7.136	6.886
1422276	at	P2rv4	NM	020621	Mm.117118	X	6.456	6.237	6.426	6.574	6.382	6.314	6.624	6.439	6.353	6.387	6.573	6.462	6.495	6.441	6.451	6.366	6.266	6.443	6.377	6.625	6.655	6.347	6.500	6.589
1422277	at	Grlv4	NM	020492	Mm.89320	11	5.494	5.485	5.476	5.610	5.382	5.461	5.544	5.467	5.309	5.434	5.420	5.325	5.390	5.488	5.475	5.535	5.677	5.426	5.349	5.548	5.526	5.530	5.291	5.508
1422278	at	Drd3	NM	007877	Mm.439735	16	5.842	5.050	5.585	5.449	5.216	5.450	5.410	5.331	5.164	5.164	5.506	5.246	5.197	5.437	5.296	5.194	5.371	5.566	5.485	5.706	5.237	5.500	5.304	5.696
1422279	at	Fv1	NM	001824	Mm.422607	4	7.317	7.259	7.509	7.284	7.247	7.501	7.096	6.757	6.949	7.317	7.358	6.759	6.920	7.012	7.352	7.294	7.047	7.460	7.388	7.525	7.121	7.118	7.322	7.540
1422280	at	Gzmk	AB032200	Mm.56993	13	6.482	6.204	6.222	6.319	6.314	6.137	6.175	6.524	6.480	6.265	6.476	6.307	6.413	6.361	6.473	6.211	6.322	6.192	6.225	6.399	6.429	6.304	6.295	6.343	
1422281	at	Sstr4	NM	009219	Mm.35324	2	6.256	6.074	6.275	6.342	6.197	6.183	6.232	6.306	6.163	6.071	6.283	6.087	6.229	6.226	6.127	6.141	6.207	6.366	6.245	6.507	6.463	6.431	6.272	6.515
1422282	at	Tacr1	NM	008913	Mm.8055	6	7.864	7.666	7.839	7.643	7.587	7.713	7.691	7.872	7.761	7.548	7.802	7.627	7.613	7.813	7.607	7.708	7.867	7.859	7.803	7.784	7.961	7.794	7.629	7.609
1422283	at	Cdk40lq	NM	011616	Mm.4861	X	7.384	7.002	7.408	7.237	7.204	7.027	7.202	7.331	7.333	7.126	7.547	7.235	7.224	7.322	7.249	7.410	7.326	7.152	7.286	7.309	7.389	7.387	7.455	7.283
1422284	at	Ncx2-9	NM	008701	Mm.129420	12	8.989	8.822	8.883	8.893	8.709	8.728	8.794	8.952	9.028	8.627	8.884	8.728	8.792	8.808	8.740	8.797	8.908	8.854	8.760	8.795	8.997	8.993	8.804	8.760
1422285	at	Otp	NM	011021	Mm.42051	13	7.261	6.920	7.029	7.141	7.120	6.983	7.052	7.080	6.938	6.988	7.201	7.073	7.084	7.034	7.055	6.958	7.270	6.903	7.001	7.005	7.003	7.026	7.121	6.920
1422286	a	Tuif1	NM	009372	Mm.101034	17	7.007	7.878	7.393	7.420	7.528	7.563	7.508	7.568	8.220	8.105	8.236	8.044	8.025	7.977	8.002	7.461	7.272	7.214	7.336	7.176	7.448	7.220	7.376	7.355
1422287	at	PhxR2	NM	008833	Mm.432036	10	4.245	4.173	4.569	4.168	4.246	4.541	4.403	4.428	4.200	4.204	4.414	4.123	4.426	4.426	4.426	4.426	4.167	4.530	4.391	4.266	4.394	4.498		
1422288	at	Hr1b	NM	010482	Mm.445308	9	8.534	8.080	8.391	8.366	8.321	8.201	8.299	8.347	8.299	8.232	8.333	8.026	8.364	8.369	8.153	8.303	8.218	8.238	8.337	8.226	8.323	8.169	8.307	8.294
1422289	a	Ctsq	NM	029636	Mm.46088	13	6.612	6.253	6.649	6.552	6.267	6.480	6.596	6.508	6.354	6.331	6.461	6.487	6.485	6.576	6.442	6.591	6.382	6.635	6.486	6.617	6.522	6.448	6.635	6.644
1422290	at	Hr1d	NM	008309	Mm.40573	4	6.698	5.931	6.437	6.508	6.304	6.387	6.464	6.641	6.536	6.088	6.334	6.064	6.353	6.359	6.304	6.469	6.498	6.309	6.616	6.590	6.686	6.153	6.478	6.581
1422291	at	Ccr8	NM	007720	Mm.442098	9	5.707	5.470	5.541	5.573	5.539	5.546	5.621	5.605	5.570	5.235	5.708	5.602	5.660	5.597	5.627	5.596	5.678	5.681	5.576	5.540	5.595	5.540	5.543	5.534
1422292	at	A030005K14Rik	NM	030005	Mm.160023	1	7.857	7.123	7.603	7.616	7.286	7.453	7.503	7.590	7.439	7.167	7.566	7.245	7.304	7.515	7.428	7.472	7.453	7.576	7.676	7.876	7.350	7.460	7.687	7.549
1422293	a	Kctd1	NM	134112	Mm.329299	18	7.473	7.848	7.692	7.551	7.555	7.512	7.258	7.747	7.756	7.819	7.625	8.202	7.590	7.216	7.499	7.488	7.800	7.663	7.581	7.365	7.444	7.574	6.884	7.297
1422294	at	Xcr1	NM	011798	Mm.390241	9	7.108	6.505	6.898	6.744	6.762	6.593	6.822	6.751	6.740	6.523	6.717	6.579	6.808	6.875	6.816	6.869	6.856	6.643	6.783	6.778	6.912	6.694	6.908	6.815
1422295	at	Mmr1	NM	021442	Mm.332255	3	6.962	6.004	6.958	6.766	6.739	7.030	6.628	6.786	6.618	6.798	6.628	6.584	6.830	6.755	6.815	6.722	6.732	6.615	6.722	6.732	6.615	6.722	6.615	6.722
1422296	at	5730470L24Rik	NM	028312	Mm.335367	4	7.308	6.595	6.565	6.567	6.477	6.567	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477	6.567	6.477
1422297	at	Pf05a	NM	027044	Mm.158264	15	4.272	4.071	4.125	4.090	4.192	4.042	4.042	4.277	4.033	3.833	4.118	4.131	4.226	4.144	4.122	4.136	4.402	4.085	4.169	4.229	4.082	4.046	4.149	4.199
1422298	at	5530401N06Rik	NM	027778	Mm.389133	1	5.394	5.341	5.575	5.542	5.565	5.469	5.413	5.504	5.561	5.594	5.655	5.487	5.536	5.609	5.493	5.582	5.580	5.483	5.540	5.656	5.496	5.331	5.666	5.578
1422299	a	Styx11	NM	029659	Mm.247666	5	7.146	6.926	7.174	7.205	7.070	7.128	7.189	7.169	7.191	7.011	7.352	7.109	7.151	6.925	7.160	7.122	7.119	7.155	7.266	7.049	7.132	7.142	7.223	7.067
1422300	at	Noq	NM	008711	Mm.135266	11	5.810	5.540	5.535	5.827	5.690	5.456	5.829	5.678	5.753	5.563	5.664	5.749	5.721	5.793	5.678	5.536	5.744	5.764	5.628	5.727	5.594	5.891	5.968	5.768
1422301	at	Frl2	NM	008049	Mm.431913	4	8.949	9.370	8.668	8.633	8.729	8.534	8.608	8.979	9.323	8.979	9.018	8.785	8.834	9.280	8.574	8.639	8.712	8.568	8.655	8.533	8.906	9.000	8.837	8.814
1422302	s	Frl2	NM	008049	Mm.431913	4	12.435	13.335	12.411	12.447	12.747	12.374	12.181	12.426	13.445	13.217	12.952	12.826	12.968	13.446	12.529	12.338	12.258	12.177	12.262	11.966	12.617	12.594	12.487	12.316
1422303	at	Lon4	NM	022884	Mm.123925	2	6.337	6.595	6.292	6.257	6.236	6.029	6.222	6.309	6.297	6.232	6.120	6.209	6.138	6.189	6.034	6.205	6.138	6.165	6.233	6.195	6.233	6.165	6.233	6.165
1422304	at	PhxR1	NM	010695	Mm.123925	2	5.351	5.737	5.699	5.508	5.540	5.560	5.785	5.662	5.419	5.515	5.768	5.311	5.338	5.675	5.710	5.526	5.726	5.696	5.734	5.712	5.734	5.679	5.564	5.563
1422305	at	Ifnb1	NM	010510	Mm.1245	4	6.582	6.403	6.363	6.569	6.436	6.481	6.469	6.627	6.519	6.226	6.434	6.414	6.240	6.632	6.434	6.496	6.700	6.471	6.517	6.664	6.533	6.478	6.560	6.568
1422306	at	Lcn3	NM	010694	Mm.4632	2	6.689	6.499	6.560	6.688	6.353	6.472	6.615	6.490	6.502	6.400	6.583	6.385	6.613	6.543	6.446	6.583	6.573	6.355	6.439	6.632	6.529	6.430	6.533	6.489
1422307	at	Spo13	NM	031400	Mm.355894	5	7.124	7.234	6.919	7.214	7.011	6.967	7.007	7.395	7.130	6.975	7.027	7.139	7.120	7.014	7.051	6.890	6.748	7.089	7.113	7.181	7.173	7.479	7.092	7.073
1422308	a	Laals7	AF038562	Mm.20973	7	6.192	6.351	6.106	6.355	6.253	6.250	6.357	6.334	6.243	6.243	6.242	6.261	6.198	6.366	6.239	6.081	6.212	6.190	6.196	6.166	6.380	6.429	6.233	6.248	6.172
1422309	a	Lenep	NM	020517	Mm.258142	3</																								

1422358	at	Fpr-rs4	NM	008041	Mm.455331	17	6.901	6.568	6.671	6.772	6.679	6.524	6.794	6.684	6.616	6.358	6.852	6.555	6.720	6.745	6.722	6.664	6.608	6.645	6.717	6.855	6.965	6.714	6.782	6.653
1422359	at	Offr690	NM	020290	Mm.448573	7	5.655	5.287	5.655	5.567	5.342	5.306	5.782	5.468	5.298	5.329	5.531	5.344	5.656	5.618	5.606	5.529	5.746	5.771	5.728	5.812	5.755	5.637	5.786	5.755
1422360	at	Offr672	NM	020292	Mm.377677	7	6.607	6.307	6.439	6.753	6.504	6.467	6.570	6.475	6.469	6.522	6.644	6.350	6.440	6.546	6.542	6.593	6.441	6.422	6.485	6.618	6.581	6.309	6.585	6.470
1422361	at	Tlm	NM	011601	NA	8	6.082	5.451	6.280	6.097	5.864	6.326	6.205	5.722	5.826	5.924	5.923	5.750	5.771	6.019	6.102	6.234	5.736	6.030	6.053	6.174	5.979	5.881	6.253	6.263
1422362	s at	Offr1507	NM	013621	Mm.377110	7	7.148	6.729	7.002	7.053	6.858	6.883	7.214	6.825	6.819	6.862	6.855	6.641	6.896	6.788	7.089	7.047	6.659	6.828	6.758	6.812	6.606	6.913	6.896	
1422363	at	Offr65	NM	013616	Mm.377106	7	6.564	6.610	6.501	6.511	6.598	6.599	6.793	6.459	6.795	6.426	6.828	6.439	6.451	6.785	6.609	6.380	6.697	6.399	6.357	6.600	6.587	6.606	6.552	6.376
1422364	at	Offr68	NM	013620	Mm.377109	7	5.413	4.939	5.333	5.143	5.214	5.225	5.556	5.160	5.223	5.114	5.487	5.116	5.015	5.216	5.449	5.380	5.104	5.357	5.375	5.731	5.128	5.025	5.599	5.075
1422365	at	Offr17	NM	020598	Mm.103814	7	6.454	6.100	6.393	6.653	6.175	6.444	6.474	6.141	6.162	6.297	6.407	6.283	6.465	6.293	6.202	6.514	6.346	6.411	6.284	6.662	6.435	6.263	6.479	6.412
1422366	at	V1ra9	NM	053224	Mm.377148	6	5.908	5.404	5.895	5.934	5.570	5.799	5.874	5.817	5.549	5.413	5.776	5.421	5.401	5.581	5.900	5.819	5.695	5.596	5.824	5.806	6.003	5.818	5.897	5.983
1422367	at	Offr070	NM	019485	Mm.331571	4	7.423	7.101	7.194	7.555	7.271	7.502	7.486	7.337	7.010	7.023	7.408	7.131	7.277	7.109	7.145	7.474	7.485	7.529	7.418	7.411	7.350	7.369	7.422	7.302
1422368	at	V1ra5	NM	053220	Mm.431989	6	4.129	4.134	4.112	4.276	4.051	4.209	4.313	4.093	3.975	4.116	4.190	3.935	3.941	4.072	4.027	4.148	4.026	4.114	4.156	4.335	4.143	4.189	4.073	4.209
1422369	at	V1ra6	NM	053221	Mm.349358	6	6.831	6.622	7.074	7.018	6.585	6.901	6.827	7.005	6.702	6.730	6.810	6.527	6.803	6.644	6.863	7.001	6.904	6.599	6.830	6.998	6.605	6.663	6.797	6.877
1422370	at	V1rb4	NM	010991	Mm.436623	14	5.988	5.564	5.921	6.023	5.859	5.777	5.948	5.894	5.769	5.677	5.870	5.718	5.922	5.803	6.016	6.140	5.865	5.846	5.896	6.173	5.993	5.931	6.035	6.238
1422371	at	Offr1507	NM	020512	Mm.88882	14	5.941	5.736	6.082	6.050	5.889	5.743	6.185	6.165	5.828	5.853	5.992	5.953	5.982	5.965	5.952	5.990	5.952	6.036	5.876	6.052	6.003	5.811	6.115	6.039
1422372	at	Offr15	NM	008762	Mm.377102	16	7.574	7.208	7.672	7.352	7.315	7.551	7.673	7.602	7.497	7.115	7.597	7.459	7.268	7.537	7.491	7.510	7.474	7.376	7.503	7.589	7.588	7.515	7.488	7.551
1422373	at	Offr71	NM	019486	Mm.377126	4	6.716	6.393	6.723	6.856	6.608	6.468	6.679	6.583	6.552	6.425	6.377	6.467	6.707	6.739	6.566	6.541	6.574	6.460	6.549	6.605	6.713	6.592	6.696	6.621
1422374	s at	Offr66	NM	013618	Mm.445781	7	7.569	7.387	7.595	7.637	7.502	7.407	7.591	7.433	7.258	7.292	7.577	7.144	7.449	7.507	7.550	7.342	7.323	7.440	7.573	7.703	7.553	7.425	7.558	7.424
1422375	a at	Art1	NM	009710	Mm.261071	7	11.577	11.041	11.631	11.898	11.830	11.593	11.137	10.159	10.565	10.646	11.589	11.218	10.459	11.396	11.640	11.849	11.773	11.518	11.778	11.793	11.193	11.625	11.504	11.231
1422376	at	V1rb1	NM	053225	Mm.377149	6	4.404	4.168	4.288	4.341	4.338	4.359	4.470	4.271	4.211	4.346	4.427	4.265	4.376	4.210	4.244	4.376	4.125	4.433	4.505	4.386	4.371	4.403	4.426	4.522
1422377	at	V1rb4	NM	053227	Mm.377151	6	8.961	8.467	8.845	8.774	8.772	8.795	8.893	8.753	8.640	8.579	8.865	8.665	8.798	8.724	8.815	8.796	8.811	8.751	8.696	8.868	8.734	8.700	8.821	8.786
1422378	at	V1rb7	NM	053228	Mm.377152	6	4.718	4.727	4.796	4.838	4.687	4.822	4.717	4.972	4.851	4.966	4.842	4.613	4.818	4.812	4.920	4.829	4.979	4.844	4.809	4.866	4.932	4.681	4.499	4.897
1422379	x at	V1rb9	NM	053230	Mm.377154	6	5.217	5.194	5.314	5.371	5.308	5.324	5.428	5.266	5.157	5.189	5.317	5.297	5.149	5.366	5.374	5.386	5.391	5.585	5.240	5.528	5.447	5.020	5.436	5.187
1422380	at	V1rb5	NM	020521	NA	6	4.029	3.844	4.101	3.851	3.905	4.014	3.918	3.830	3.901	3.734	3.936	3.697	3.897	3.872	3.926	3.880	3.713	4.076	4.033	4.163	3.959	3.900	4.018	4.044
1422381	at	Offr160	NM	030553	Mm.154800	9	6.037	5.659	5.879	5.960	5.893	5.741	5.836	6.023	5.931	5.687	5.859	5.657	5.612	5.529	5.650	5.825	6.007	5.818	5.633	5.993	5.986	5.647	5.733	5.917
1422382	at	Offr16	NM	008763	Mm.377103	1	6.992	6.761	6.988	7.036	6.837	6.956	7.008	7.156	7.058	6.808	6.976	6.937	6.970	7.051	6.960	6.944	7.067	6.763	6.753	7.063	6.977	6.975	6.941	6.962
1422383	at	NA	NM	020522	NA	NA	7.368	6.861	7.363	7.296	7.143	7.202	7.282	7.134	7.057	6.978	7.212	7.110	6.959	7.007	7.205	7.263	7.250	7.269	7.561	7.307	7.235	7.172	7.241	7.362
1422384	at	Offr1509	NM	030514	Mm.388824	14	6.034	5.703	6.060	6.033	5.984	6.083	6.246	5.983	5.924	6.079	6.036	6.022	6.079	6.036	6.049	6.051	6.019	6.049	6.018	6.049	6.018	6.049	6.018	6.049
1422385	at	Offr1264	NM	021368	Mm.377377	2	2.289	6.044	6.064	1.199	6.010	6.062	2.243	6.303	6.137	6.059	6.316	6.059	6.370	6.524	6.602	6.370	6.524	6.602	6.370	6.524	6.602	6.370	6.524	6.602
1422386	at	Offr64	NM	013617	Mm.377107	7	8.094	7.543	8.047	7.990	7.817	7.989	8.093	7.823	7.836	7.810	7.863	7.782	7.946	7.851	8.064	8.026	7.954	7.825	8.022	8.147	8.044	8.009	8.137	8.172
1422387	at	V1rc2	NM	053232	Mm.377156	6	4.680	4.428	4.421	4.355	4.420	4.600	4.613	4.507	4.462	4.441	4.649	4.428	4.496	4.434	4.634	4.434	4.470	4.420	4.670	4.506	4.452	4.562	4.683	
1422388	at	V1rc8	NM	053238	Mm.431972	6	5.067	4.982	4.940	5.102	4.990	5.188	5.213	5.048	5.020	5.064	5.052	4.818	4.976	5.041	4.942	5.180	4.973	5.118	5.002	5.221	5.016	4.898	5.248	4.980
1422389	at	Tas2r105	NM	020501	Mm.377131	6	4.690	4.280	4.531	4.396	4.488	4.628	4.482	4.602	4.324	4.321	4.526	4.350	4.468	4.329	4.420	4.623	4.470	4.401	4.717	4.559	4.518	4.580	4.440	4.649
1422390	at	V1rc5	NM	053235	Mm.431976	6	4.012	3.963	4.051	4.047	4.002	4.065	4.089	3.802	3.904	3.933	4.063	3.911	4.097	4.091	3.993	3.948	4.069	4.053	4.058	4.013	4.009	3.934	3.923	3.950
1422391	at	V1rc3	NM	053233	Mm.377157	6	3.829	3.691	4.075	3.804	3.739	3.778	3.782	3.740	3.525	3.721	3.843	3.715	3.756	3.782	3.873	3.761	3.875	3.853	3.892	3.832	3.754	3.903	3.707	
1422392	at	V1rc3	NM	053232	Mm.377157	6	3.904	3.966	4.047	4.020	4.035	4.165	4.051	4.072	4.058	4.202	3.793	4.059	4.022	3.955	4.094	4.321	4.353	4.024	4.353	4.024	4.353	4.024	4.353	4.024
1422393	at	Foxe3	NM	015758	Mm.377122	4	7.544	7.487	7.504	7.526	7.492	7.526	7.455	7.784	7.559	7.429	7.390	7.396	7.438	7.561	7.493	7.610	7.633	7.694	7.780	7.530	7.668	7.537	7.563	7.417
1422394	at	NA	NM	053234	NA	NA	6.988	6.564	6.753	6.856	6.647	6.822	6.908	6.859	6.739	6.459	6.852	6.716	6.734	6.824	6.973	7.065	7.082	7.016	7.000	6.971	7.190	7.122	7.093	7.050
1422395	at	V1rc8	NM	053238	Mm.431972	6	3.982	3.939	3.990	3.886	3.944	3.825	4.098	4.003	3.835	3.982	3.990	3.854	3.891	3.950	4.027	3.778	3.967	3.960	4.164	4.144	3.939	3.961	4.052	3.942
1422396	s at	Asc2l	NM	008554	Mm.196417	7	3.806	4.110	3.871	3.943	4.021	3.785	4.023	4.094	4.178	3.909	3.893	3.882	3.917	4.101	3.884	3.883	4.166	3.892	3.858	3.868	3.963	3.923	3.886	3.877
1422397	s at	Il15ra	NM	008558	Mm.200196	2	8.206	7.645	8.228	8.183	8.090	8.273	8.207	7.999	7.936	7.380	8.408	8.024	7.827	7.728	7.823	7.854	8.209	8.095	8.036	8.068	8.229	8.035	7.849	8.245
1422398	at	Hist1hle	NM	015787	Mm.170587	13	4.539	4.																						

1422447	at	Ins1	NM 008386	Mm.46269	19	7.629	7.563	7.398	7.615	7.724	7.380	7.559	7.397	7.664	7.694	7.662	7.746	7.749	7.628	7.705	7.650	7.435	7.372	7.477	7.678	7.516	7.289	7.533	7.501	
1422448	at	Tf2f	NM 009363	Mm.1825	17	7.396	6.944	7.243	7.188	7.733	7.187	7.221	7.354	7.335	6.923	7.056	7.109	7.197	7.087	7.212	7.117	7.295	7.199	7.116	7.161	7.607	7.427	7.343	7.433	
1422449	s at	Rcn2	NM 011992	Mm.1782	9	10.931	11.157	11.184	11.146	10.904	11.293	10.939	10.431	10.793	11.107	10.651	11.176	11.095	11.206	11.083	11.234	10.483	10.647	10.883	10.720	10.546	10.860	10.930	11.043	
1422450	at	Ctndn1	NM 007615	Mm.35738	2	8.971	9.094	8.989	8.911	8.996	8.822	8.954	8.811	9.279	9.416	9.088	9.091	9.041	9.288	9.140	8.927	8.790	8.718	8.962	8.995	8.764	8.647	8.947	9.119	9.271
1422451	at	Hrps21	NM 078479	Mm.379198	3	11.174	10.937	11.181	11.136	11.108	11.055	11.132	11.414	11.092	10.927	10.935	11.288	11.550	10.993	11.062	11.079	11.741	11.665	11.176	11.293	11.610	11.615	11.203	11.121	
1422452	at	Bag1	NM 013863	Mm.84073	10	12.574	12.507	12.458	12.565	12.609	12.311	12.438	12.400	12.268	12.499	13.335	12.667	12.338	12.425	12.589	12.610	12.348	12.428	12.628	12.531	12.717	12.645	12.858	12.803	
1422453	at	Prp8f	NM 138659	Mm.3757	10	10.682	10.776	10.742	10.914	10.836	10.873	10.766	10.683	10.733	10.774	10.670	10.740	10.688	10.771	10.651	10.850	11.030	10.963	10.972	10.938	10.811	10.883	10.812	10.913	
1422454	at	Krt113	NM 010662	Mm.4646	11	4.298	4.245	4.331	4.208	4.352	4.299	4.267	4.339	4.165	4.255	4.462	4.191	4.259	4.210	4.329	4.384	4.419	4.242	4.373	4.254	4.361	4.470	4.297	4.355	
1422455	s at	Nsf	BB400581	Mm.260117	11	8.926	9.154	9.046	8.863	9.097	9.129	8.986	8.991	9.195	9.174	8.966	8.973	8.983	9.202	8.974	9.112	8.997	9.022	9.041	9.030	8.856	8.892	8.897	9.001	
1422456	at	Nsf	BB400581	Mm.260117	11	9.173	9.877	9.275	9.199	9.501	9.322	9.306	9.109	9.735	9.672	9.400	9.587	9.536	9.771	9.350	9.308	9.180	9.369	9.429	9.202	8.811	8.991	9.130	9.077	
1422457	s at	Sumo3	NM 019929	Mm.24433	10	11.260	11.267	11.414	11.372	11.256	11.465	11.425	10.773	10.999	11.183	11.013	11.067	11.086	11.360	11.291	11.439	11.210	11.432	11.647	11.619	11.196	10.776	11.597	11.518	
1422458	at	Tcl1	NM 009337	Mm.18154	12	6.066	5.911	6.007	6.066	5.831	6.034	5.979	5.907	5.934	5.913	5.894	5.932	5.952	5.882	5.898	5.954	5.938	5.890	5.994	6.201	6.003	5.831	5.983	5.959	
1422459	at	Psmid13	NM 011875	Mm.29760	7	10.104	10.536	10.251	10.118	10.175	10.312	10.181	10.144	10.455	10.612	10.277	10.345	10.240	10.493	10.204	10.276	10.109	10.030	10.189	10.202	9.911	10.163	9.946	9.993	
1422460	at	Mad211	NM 019499	Mm.290830	6	8.354	9.300	8.235	8.189	8.622	8.464	8.377	8.737	8.978	8.897	8.338	8.116	8.269	9.213	8.509	8.103	8.043	7.936	8.068	8.066	8.117	8.085	7.966	7.819	
1422461	at	Atad3a	NM 133233	Mm.241152	4	9.950	10.321	10.027	10.014	8.995	10.201	10.131	9.932	9.659	9.709	9.960	9.608	9.326	9.984	9.701	9.997	10.120	10.091	10.044	10.051	9.794	9.823	10.118	10.005	
1422462	at	Ube2t	NM 026024	Mm.284587	1	7.351	7.520	7.186	7.156	7.280	7.220	7.333	8.019	6.990	6.920	7.301	7.140	7.110	7.263	6.821	7.047	7.903	7.932	7.376	7.239	7.590	8.058	7.189	6.911	
1422463	a at	Mrlp3	AB049633	Mm.29746	9	9.460	9.108	9.669	9.574	9.180	9.527	9.743	9.408	8.568	8.719	9.305	9.339	9.023	9.213	8.858	9.609	9.147	9.069	9.121	8.975	9.286	9.433	9.246	9.252	
1422464	at	Mrlp3	AB049633	Mm.29746	9	11.411	11.056	11.674	11.506	11.139	11.656	11.723	11.252	10.421	10.494	11.176	11.279	10.965	11.274	10.699	11.553	11.143	11.041	10.860	10.930	11.005	11.157	10.953	10.970	
1422465	a at	Nxn	BB36804	Mm.27915	11	8.847	9.453	8.883	8.908	9.125	9.029	8.755	9.153	9.374	9.282	9.116	9.233	9.266	9.444	9.036	8.761	9.168	9.330	9.121	9.135	9.044	8.980	9.144	8.865	
1422466	at	Nxn	BB36804	Mm.27915	11	6.966	7.054	6.731	6.920	6.898	6.691	6.216	6.384	7.186	6.875	6.774	6.847	7.098	7.037	6.854	6.505	6.773	6.713	6.874	6.791	6.796	6.902	6.930	6.798	
1422467	at	Ppt1	AF326558	Mm.277719	4	10.354	10.234	10.382	10.441	10.511	10.648	10.403	10.034	10.252	10.352	9.964	10.156	10.221	10.089	10.546	10.370	10.553	10.430	10.588	10.525	10.420	10.519	10.504	10.630	
1422468	at	Ppt1	AF326558	Mm.277719	4	8.964	9.417	8.089	9.173	9.126	9.459	9.183	8.493	9.190	9.398	8.966	9.385	9.576	9.589	9.470	9.122	8.555	8.895	9.276	9.360	8.816	8.394	9.112	9.339	
1422469	at	Tbk1	NM 019786	Mm.34580	10	7.973	8.318	8.094	7.948	8.074	7.970	7.950	8.034	8.239	8.308	8.174	8.272	8.072	8.209	8.146	8.038	7.817	7.888	7.868	7.707	8.035	8.020	7.924	8.267	
1422470	at	Bnip3	NM 009760	Mm.378890	7	13.610	13.054	13.949	13.056	13.015	12.797	12.843	12.891	12.898	13.178	12.803	12.986	13.178	12.721	13.087	13.957	12.573	12.734	13.033	12.980	12.811	12.977	13.451	13.392	
1422471	at	Pex13	BB045429	Mm.29536	11	10.732	10.851	11.164	10.953	10.792	10.933	10.872	10.756	10.728	10.922	10.573	10.859	10.849	10.751	10.794	11.013	10.794	10.749	10.982	10.862	10.696	10.799	10.912	11.032	
1422472	at	Pex13	BB045429	Mm.29536	11	5.307	5.540	5.806	5.394	5.270	5.371	5.599	5.074	5.296	5.704	4.888	5.437	5.421	5.380	5.500	5.572	5.549	5.691	5.770	5.283	5.246	5.517	5.539	5.564	
1422473	at	Pex13	NM 024674	Mm.320181	4	8.967	8.937	8.861	8.836	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	8.625	8.467	
1422474	at	Pde4b	BM246524	Mm.201181	4	10.625	9.934	10.256	9.954	9.787	10.067	9.649	9.437	9.542	11.593	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	9.584	
1422475	a at	Rps3a	NM 019659	Mm.399829	3	13.668	14.018	13.621	13.834	13.846	13.870	13.788	13.868	14.150	13.982	13.751	13.704	13.856	14.139	13.768	13.751	13.812	13.823	13.828	13.836	13.774	13.808	13.691	13.586	
1422476	at	Ifi30	NM 023065	Mm.30241	8	9.125	10.477	8.608	9.164	9.649	9.200	9.316	9.485	10.491	10.238	9.286	9.827	9.802	10.478	9.366	8.584	9.264	8.936	8.793	8.508	9.291	9.400	8.730	8.563	
1422477	at	Cables1	AF328140	Mm.40717	18	7.827	7.810	7.740	7.880	7.935	7.646	7.792	7.700	7.821	7.749	7.617	7.976	7.974	7.415	7.871	7.633	7.916	7.776	7.419	7.514	8.091	8.178	7.815	7.628	
1422478	a at	Acs2	NM 019811	Mm.255026	2	9.386	9.370	9.521	8.982	9.457	9.346	9.472	8.842	8.935	9.288	9.150	9.786	9.294	9.063	9.499	9.382	9.583	9.698	9.406	9.418	9.560	9.524	9.356	9.469	
1422479	at	Acs2	NM 019811	Mm.255026	2	9.997	10.006	10.043	9.722	10.098	9.839	9.991	10.345	9.649	9.849	9.881	10.283	10.019	9.691	10.121	10.041	10.194	10.316	10.100	10.109	10.095	9.975	9.870	9.988	
1422480	at	Snx3	NM 017472	Mm.271780	10	12.667	13.051	12.565	12.705	12.817	12.788	12.750	12.601	12.823	12.808	12.911	12.823	12.824	13.032	12.704	12.686	12.766	12.835	12.887	12.783	12.701	12.607	12.778	12.773	
1422481	at	Ruvbl2	NM 008473	Mm.277717	11	6.426	6.999	6.701	6.920	6.896	6.060	6.270	6.392	6.677	6.589	6.159	6.967	6.159	6.006	6.657	6.223	6.237	6.342	6.342	6.342	6.342	6.342	6.342	6.342	
1422482	at	Ruvbl2	NM 011304	Mm.34410	7	9.404	9.927	9.303	9.540	9.319	9.454	9.400	9.725	9.465	9.347	9.705	9.520	9.563	9.655	9.243	9.270	9.749	9.712	9.436	9.449	9.698	9.620	9.323	9.378	
1422483	a at	Cycs	NM 007808	Mm.35389	6	14.021	14.039	14.021	14.062	14.007	13.977	14.032	14.149	13.858	13.896	13.997	13.947	13.732	13.734	13.839	14.027	14.170	14.144	14.003	14.017	14.163	14.155	13.942	13.961	
1422484	at	Cycs	NM 007808	Mm.35389	6	13.889	13.676	13.960	13.783	13.623	13.781	13.808	13.713	13.153	13.508	13.512	13.442	13.176	13.322	13.490	13.815	13.707	13.701	13.746	13.789	13.812	13.814	13.747	13.889	
1422485	at	Smad4	AK004804	Mm.100399	18	10.664	10.473	10.605	10.749	10.684	10.673	10.477	10.586	10.609	10.586	10.630	10.763	10.945	10.503	10.713	10.577	10.786	10.688	10.648	10.562	10.772	10.746	10.744	10.705	
1422486	a at	Smad4	AK004804	Mm.100399	18	10.976	10.399	11.016	10.764	10.662	11.045	10.837	10.233	10.278	10.670	10.341</														

1422536	at	Tnni3	NM	009406	Mm.27674	7	14.734	14.421	14.610	14.720	14.494	14.594	14.623	14.741	13.902	13.978	14.459	14.345	14.076	13.936	14.363	14.578	14.947	14.773	14.619	14.716	14.812	14.831	14.604	14.514
1422537	a at	Id2	NM	010496	Mm.34871	12	6.306	6.391	6.001	6.345	6.430	6.430	6.013	6.720	6.636	6.351	6.331	6.502	6.366	6.387	6.358	6.356	6.528	6.498	6.580	6.150	6.621	6.378	6.153	6.280
1422538	at	ExtI2	BM	203810	Mm.41739	3	9.514	9.404	9.307	9.126	8.435	9.533	9.305	9.868	8.083	8.210	8.709	8.862	9.186	9.143	8.266	9.330	8.810	9.387	9.483	9.484	8.847	8.569	8.569	8.561
1422539	at	ExtI2	BM	203810	Mm.41739	3	9.299	9.515	9.517	9.629	10.081	9.998	9.701	9.608	9.548	9.501	9.238	9.680	9.537	9.665	9.721	9.543	10.079	9.748	9.909	9.753	9.881	9.839	9.669	9.461
1422540	at	Fbln1	NM	010180	Mm.29192	15	8.398	7.790	8.776	8.621	9.408	9.569	8.951	9.210	8.054	8.710	9.118	9.155	9.154	8.596	9.431	8.968	9.113	8.982	8.598	8.844	8.977	9.338	8.977	9.338
1422541	at	PgrPrm	NM	008984	Mm.311809	17	10.277	9.915	10.263	10.437	10.501	10.276	10.185	10.247	9.821	9.963	10.331	10.272	10.214	9.983	10.396	10.219	10.604	10.572	10.189	10.352	10.936	10.971	10.107	10.466
1422542	at	GltP3r	NM	011823	Mm.391232	X	4.913	5.060	5.204	4.830	5.222	5.303	5.072	5.274	5.882	5.969	4.965	5.518	5.364	5.234	5.360	5.053	5.150	5.207	4.988	5.130	5.161	4.861	4.743	5.040
1422543	at	RpoY1	NM	030744	Mm.23515	16	6.707	6.447	6.619	6.761	6.606	6.489	6.471	6.722	6.490	6.319	6.572	6.603	6.612	6.419	6.458	6.565	6.484	6.514	6.708	6.268	6.761	6.508	6.778	6.734
1422544	at	Mvo10	AV	297945	Mm.60590	15	8.942	8.830	8.878	9.051	8.967	9.104	9.048	8.654	8.792	8.923	8.995	8.832	8.969	8.990	9.036	8.947	8.989	9.221	9.127	9.407	8.907	8.980	9.159	9.423
1422545	at	Tbx2	NM	009324	Mm.287052	11	6.433	6.805	6.597	6.626	7.031	6.523	6.584	6.632	6.469	6.580	6.334	6.944	6.740	6.672	6.806	6.646	6.201	6.729	6.744	6.653	6.161	6.547	6.835	6.507
1422546	at	Ifh3	NM	010561	Mm.440026	9	7.953	7.971	7.738	7.864	7.704	7.781	7.926	8.071	7.884	7.718	7.389	7.901	7.798	7.942	7.590	7.908	7.878	7.704	7.956	7.944	8.041	7.871	7.733	7.794
1422547	at	Ranbp1	L25255	Mm.235287	16	10.001	10.940	10.000	9.899	10.069	10.267	10.134	10.400	10.501	10.109	10.541	10.082	10.064	10.804	10.075	10.025	10.346	10.234	10.145	10.086	10.139	10.196	9.935	9.905	
1422548	at	Dhds5	BM	233084	Mm.100290	4	7.608	7.877	7.809	7.747	7.805	7.701	7.755	7.350	7.749	7.849	7.931	8.379	7.952	8.007	7.766	7.681	7.728	7.617	7.678	7.364	7.711	7.708	7.416	7.481
1422549	at	Arl2	NM	019722	Mm.21071	19	10.503	10.554	10.398	10.566	10.493	10.420	10.572	10.654	10.482	10.418	10.597	10.679	10.575	10.211	10.428	10.384	10.997	10.875	10.627	10.518	10.844	10.784	10.399	10.269
1422550	a at	Mtaap6	NM	010837	Mm.154087	7	7.175	7.425	7.173	7.104	7.413	7.312	6.914	7.194	7.946	7.446	7.298	7.306	7.783	7.512	7.242	6.974	7.117	6.994	6.981	6.769	6.973	6.930	7.015	6.773
1422551	at	Zkscan3	BC	007473	Mm.296071	13	7.658	7.593	7.913	7.758	7.541	7.598	7.756	7.448	7.396	7.650	7.790	7.587	7.454	7.354	7.323	7.828	7.765	7.518	7.784	7.734	7.611	7.844	7.746	7.633
1422552	at	Rprm	NM	023396	Mm.27086	2	6.559	6.341	6.322	6.544	6.371	6.470	6.357	6.557	6.519	6.223	6.461	6.298	6.302	6.424	6.334	6.285	6.605	6.242	6.536	6.562	6.598	6.676	6.675	6.391
1422553	at	Pten	AA	214868	Mm.245395	19	10.737	10.930	10.756	11.047	11.099	10.926	10.900	10.879	11.026	10.927	10.728	11.127	11.062	10.724	10.912	10.758	10.643	10.851	10.857	10.626	10.918	11.121	11.035	11.050
1422554	at	NdnI2	NM	023239	Mm.19944	7	9.037	9.113	8.949	9.098	9.092	8.989	8.965	8.597	9.080	9.193	8.883	9.240	9.016	8.911	8.940	8.899	8.910	9.091	8.992	8.764	8.761	8.827	8.902	8.797
1422555	s at	Gna13	BI	662324	Mm.193925	11	9.851	10.286	9.873	9.818	10.266	9.985	9.922	9.883	10.428	10.339	10.463	10.388	10.299	10.290	10.264	9.812	9.719	9.862	9.745	9.709	9.709	9.727	9.981	9.900
1422556	at	Gna13	BI	662324	Mm.193925	11	8.381	8.877	8.341	8.388	8.420	8.551	8.565	8.144	8.906	8.901	9.220	8.678	8.856	8.776	8.725	8.408	8.342	8.439	8.474	8.539	8.714	8.088	8.751	8.779
1422557	s at	MtI1	NM	013602	Mm.192991	8	13.471	12.994	12.882	12.412	13.003	12.538	12.294	13.670	13.559	13.287	13.586	13.327	13.330	13.019	13.310	12.796	13.242	13.177	13.130	12.712	12.995	13.149	13.184	12.865
1422558	at	Gamt	AF	015887	Mm.7329	10	6.569	7.264	6.487	7.105	7.280	7.124	6.960	6.984	7.486	7.281	7.072	7.472	7.343	7.218	7.057	6.611	7.343	7.112	7.267	6.928	7.260	7.243	6.573	6.670
1422559	at	Ube2n	AY	039837	Mm.371667	10	9.665	10.158	9.516	9.357	9.642	9.466	9.431	9.762	9.842	9.684	9.738	9.684	9.572	9.580	9.336	9.490	9.711	9.461	9.297	9.279	9.566	9.736	9.123	9.861
1422560	at	Rsc1a1	NM	023544	Mm.441022	4	8.538	8.719	8.346	8.401	8.420	8.435	8.461	8.460	8.770	8.447	8.680	8.434	8.468	8.464	8.480	8.409	8.287	8.331	8.302	8.304	8.361	8.286	8.462	8.461
1422561	at	Adm1	BB	658835	Mm.112933	16	9.332	9.569	9.404	9.634	9.595	9.726	9.406	10.016	9.670	9.912	9.011	9.700	9.665	9.681	9.586	9.336	10.088	9.828	10.019	9.833	9.615	10.068	8.828	9.060
1422562	at	Rrad	NM	026682	Mm.29192	8	12.662	12.982	12.413	12.963	12.998	11.256	11.258	11.259	12.389	12.330	11.927	11.778	11.774	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473
1422563	at	Ctll	NM	013499	Mm.301652	11	11.301	11.365	11.161	11.161	11.305	11.196	11.203	11.203	11.196	11.203	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278	11.278
1422564	at	Actf16b	NM	031404	Mm.31646	5	5.915	5.865	5.839	5.991	5.954	5.873	5.970	6.081	5.872	5.922	5.955	5.793	5.818	5.958	5.793	5.804	5.842	5.808	5.789	5.891	5.983	5.761	6.009	5.782
1422565	s at	Nf1c	NM	008688	Mm.426936	10	4.693	4.788	4.705	4.739	4.924	4.875	4.860	4.883	4.777	4.780	4.421	4.558	4.474	4.660	4.900	4.726	4.718	4.741	4.681	4.973	4.658	4.760	4.830	4.850
1422566	at	Tcfcb	NM	011549	Mm.2305	17	9.438	9.391	9.480	9.556	9.491	9.474	9.470	9.214	9.386	9.512	9.328	9.537	9.431	9.273	9.506	9.465	9.420	9.557	9.512	9.680	9.482	9.419	9.497	9.479
1422567	at	Niban	NM	022018	Mm.157700	1	7.671	8.804	8.008	7.907	8.567	8.219	8.033	8.212	8.744	8.799	8.836	8.819	8.685	8.805	8.428	7.916	7.461	8.013	7.880	7.734	7.785	7.654	8.065	7.907
1422568	at	Ndel1	AF	323918	Mm.31979	11	11.839	12.003	11.819	11.675	11.861	11.746	11.587	11.707	12.055	11.922	12.084	11.926	11.948	11.880	11.963	11.778	11.269	11.404	11.429	11.313	11.696	11.170	11.770	11.883
1422569	at	Vy1	BI	665246	Mm.3868	12	10.060	10.452	10.174	9.945	9.980	9.972	9.917	9.999	10.236	10.410	10.160	10.231	10.151	10.274	10.217	10.024	9.777	9.724	9.683	9.573	10.069	11.061	10.065	10.845
1422570	at	Thb2	NM	011581	Mm.26688	17	7.619	8.474	7.916	8.212	8.755	8.431	7.706	7.786	10.275	9.878	7.991	9.612	10.591	8.786	9.327	7.915	8.321	8.103	8.250	8.159	8.139	8.305	7.861	8.518
1422572	at	Rhoq	NM	019566	Mm.259795	7	9.327	10.128	9.490	9.445	9.556	9.432	9.455	9.415	10.175	10.121	9.909	9.911	9.841	10.278	9.823	9.417	9.256	9.341	9.457	9.405	9.415	9.301	9.439	9.522
1422573	at	Ampd3	D8	5596	Mm.3238	7	10.314	10.648	10.512	10.248	10.351	10.420	10.364	10.530	10.213	10.564	10.679	10.248	10.287	10.560	10.723	10.493	10.119	10.388	10.597	10.380	10.192	10.440	10.734	10.984
1422574	at	Mxd4	BE	291523	Mm.259260	5	7.205	7.175	7.010	7.363	7.443	7.037	7.225	7.726	7.528	7.457	7.270	7.749	7.393	7.336	7.579	7.132	7.468	7.284	7.167	7.138	7.525	7.560	7.131	7.343
1422575	at	Mxd4	BE	291523	Mm.259260	5	7.509	7.416	7.341	7.268	7.624	7.270	7.218	7.765	7.653	7.333	7.184	7.474	7.435	7.179	7.365	7.453	7.399	7.523	7.122	7.335	7.499	7.621	7.662	7.471
1422576	at	Atx10	NM	016843	Mm.248906	15	10.571	11.505	10.767	10.572	11.143	10.741	1																	

1422625	at	Ly6h	NM 011837	Mm.22154	15	5.758	5.365	5.508	5.706	5.639	5.314	5.464	5.582	5.629	5.418	5.704	5.491	5.689	5.398	5.589	5.636	5.609	5.725	5.672	5.556	5.452	5.789	5.580		
1422626	at	Mmp16	AF282844	Mm.204820	4	6.363	6.161	6.378	6.473	6.312	6.370	6.297	6.144	6.181	6.237	6.386	6.478	6.480	6.339	6.521	6.499	6.282	6.693	6.544	6.438	6.340	6.305	6.537	6.467	
1422627	a at	Mkks	BF581250	Mm.227570	2	11.041	11.169	11.246	11.054	11.270	11.095	11.162	10.891	10.806	10.731	10.927	11.034	10.749	10.671	10.986	11.122	11.173	11.254	11.049	11.095	11.249	11.143	11.131	11.038	
1422628	at	4632417K18Rik	NM 026640	Mm.1643	19	8.378	9.754	8.287	8.306	8.477	8.129	8.095	8.409	8.941	8.950	8.920	9.203	8.541	8.504	8.637	8.416	8.289	7.856	7.526	8.007	7.857	8.126	7.965	8.276	8.175
1422629	s at	Shroom3	NM 015755	Mm.46014	5	10.687	10.259	10.146	10.349	9.685	9.756	10.413	11.136	10.987	10.360	10.918	10.802	10.873	10.616	10.234	10.322	10.406	10.322	10.406	10.150	10.042	10.006	10.239	9.842	
1422630	at	NM 009012	Mm.4888	11	8.814	9.228	8.931	9.021	9.049	8.985	8.993	9.024	9.005	9.047	8.781	8.910	8.976	9.027	8.929	8.979	8.960	8.979	8.960	8.979	8.962	8.987	8.998	8.694	8.509	
1422631	at	Ahr	BE989096	Mm.341377	12	7.937	7.668	8.439	8.004	7.619	8.495	8.382	8.567	8.618	8.604	8.363	8.435	8.411	8.592	8.454	8.336	8.378	8.355	8.324	8.067	8.425	8.584	7.785	8.383	
1422632	at	Ctsw	NM 009985	Mm.113590	19	7.726	7.547	7.523	7.658	7.763	7.598	7.787	7.970	7.870	7.628	7.736	7.750	7.878	7.722	7.719	7.927	7.826	7.812	7.777	7.851	7.755	7.433	7.563	7.758	
1422633	at	1700020D05Rik	NM 023781	Mm.440432	19	3.965	4.161	4.300	4.124	4.291	4.150	4.172	3.947	4.135	4.119	4.236	4.160	4.161	4.235	4.054	4.191	4.108	4.352	4.099	4.292	4.301	4.188	4.411	4.274	
1422634	a at	Vsia2	NM 020518	Mm.27478	9	8.191	8.095	8.294	8.183	7.978	8.152	8.150	7.974	7.885	8.006	8.017	8.065	8.289	8.102	7.988	8.224	8.194	8.042	8.045	8.260	8.187	8.310	8.233	8.367	
1422635	at	Ache	NM 009599	Mm.255464	5	6.300	6.057	6.236	6.300	6.137	6.302	6.164	6.336	5.942	5.938	6.128	6.069	6.240	6.297	6.300	6.346	6.485	6.537	6.313	6.377	6.431	6.356	6.224	6.112	
1422636	at	Dm1tf1	NM 011806	Mm.22480	5	8.643	8.926	8.591	8.512	8.693	8.697	8.606	8.573	8.961	9.030	8.697	9.022	8.885	8.561	8.696	8.617	8.583	8.455	8.454	8.418	8.716	8.993	8.775	8.716	
1422637	at	Rass5	NM 018750	Mm.248291	1	5.388	6.534	5.022	5.600	5.849	5.497	5.501	4.863	6.703	6.260	5.395	5.771	6.235	6.254	5.526	5.223	5.142	4.859	5.120	5.104	5.566	5.106	4.943	5.142	
1422638	s at	Rass5	NM 018750	Mm.248291	1	7.256	8.418	7.080	7.459	8.053	7.450	7.601	7.381	8.800	8.576	7.748	8.224	8.131	8.213	7.609	7.309	6.794	7.222	7.036	6.801	7.105	6.988	7.076	6.908	
1422639	at	Calcb	NM 054084	Mm.273838	7	5.140	5.045	5.163	5.361	5.306	5.222	5.247	5.188	5.088	4.991	5.195	5.023	5.147	5.055	5.005	5.274	4.933	5.110	5.191	5.389	5.250	5.074	5.156	5.154	
1422640	at	Pcdhb9	NM 053134	Mm.286019	18	4.963	5.048	4.770	5.073	5.246	5.064	5.051	4.901	5.259	5.215	4.937	5.101	4.919	5.003	5.228	4.785	5.026	4.908	4.858	5.042	5.102	5.074	5.005	5.139	
1422641	at	Dok5	NM 029761	Mm.41633	2	5.334	5.309	5.414	5.168	5.337	5.206	5.277	5.263	5.275	5.332	5.401	5.285	5.296	5.163	5.256	5.350	5.220	5.314	5.493	5.436	5.247	5.203	5.153	5.248	
1422642	at	463242ep3	BB012489	Mm.140601	17	9.757	9.823	9.855	10.096	10.051	10.019	9.733	10.241	10.006	9.991	9.730	10.400	10.350	9.906	10.351	9.831	10.793	10.515	10.293	10.313	10.363	10.521	9.646	9.922	
1422643	at	Mxdv1	NM 021509	Mm.285934	10	6.781	6.853	6.088	6.542	7.020	6.765	6.617	6.437	7.224	7.566	7.193	6.978	7.170	6.954	7.106	6.807	6.690	6.656	6.722	6.763	6.397	6.394	6.424	6.584	
1422644	at	Sh3br	NM 015925	Mm.28638	16	12.614	12.848	12.217	12.525	13.424	12.519	12.802	13.003	13.008	13.274	13.101	13.634	13.549	12.643	13.296	12.242	12.649	12.872	12.991	12.757	12.857	12.891	12.600	12.879	
1422645	at	Hfe	AJ306425	Mm.2681	13	9.884	10.430	10.698	9.631	9.380	9.608	10.065	9.987	9.773	9.790	9.518	10.112	9.912	9.867	9.387	10.079	9.422	9.518	9.638	9.302	9.403	9.609	9.074	9.129	
1422646	at	Mqa	BB315904	Mm.87532	2	7.368	7.230	7.045	7.459	7.051	7.290	7.116	7.008	7.157	7.138	7.101	7.045	7.190	7.240	7.143	7.239	7.119	7.045	7.172	7.383	6.985	7.029	7.165	7.134	
1422647	at	Rinq1	NM 009066	Mm.20343	17	8.484	8.675	8.566	8.750	8.650	8.708	8.530	8.633	8.576	8.680	8.597	8.742	8.680	8.709	8.666	8.745	8.935	8.951	8.910	8.914	8.891	8.949	8.785	8.705	
1422648	at	Slc7a2	BF533509	Mm.4676	8	6.215	6.331	5.999	6.025	5.895	5.916	5.992	5.587	6.379	6.185	6.055	5.839	6.085	5.967	5.826	6.121	5.826	5.852	6.143	6.013	5.912	5.887	5.855	5.855	
1422649	at	Cntn6	NM 017383	Mm.321671	6	4.118	4.444	4.067	4.208	4.186	4.180	4.350	4.403	4.161	4.167	4.132	4.173	4.321	4.247	4.156	4.099	4.166	4.218	4.151	4.250	4.239	4.168	4.181	4.098	
1422650	a at	Ricm3	NM 024182	Mm.28551	18	9.861	10.394	10.388	10.217	10.436	10.036	10.231	10.247	10.609	10.675	10.462	10.196	10.272	10.612	10.362	10.320	10.247	10.298	10.458	10.280	10.198	10.420	10.547	10.408	
1422651	at	Adipoc	NM 007605	Mm.40094	16	5.295	5.217	5.522	5.109	5.538	5.777	5.568	5.459	5.598	5.549	5.602	5.461	5.581	5.720	5.779	5.607	5.510	5.894	5.811	5.931	5.811	5.931	5.811	5.931	
1422652	at	Rasf9	NM 007775	Mm.28904	1	4.453	4.520	4.434	4.756	4.438	4.496	4.560	4.445	4.450	4.405	4.544	4.422	4.441	4.452	4.566	4.443	4.564	4.565	4.552	4.552	4.552	4.552	4.552	4.552	
1422653	at	Cep70	NM 023873	Mm.288739	9	6.749	6.526	6.467	6.617	6.452	6.619	6.844	6.849	6.224	6.290	6.267	6.691	6.491	6.501	6.240	6.486	6.631	6.538	6.611	6.548	6.555	6.644	6.822	6.482	
1422654	at	Scqa	NM 009161	Mm.18709	11	12.037	11.487	12.062	11.991	11.755	11.891	11.741	11.693	10.968	11.284	11.524	11.460	11.291	10.773	11.617	12.018	12.061	12.002	11.773	11.941	11.603	11.877	11.742	11.775	
1422655	at	Ptch2	NM 008958	Mm.287037	4	7.362	7.274	7.176	7.392	7.242	7.269	7.267	7.311	7.262	7.265	7.479	7.515	7.314	7.346	7.420	7.182	7.443	7.169	7.170	7.261	7.226	7.223	7.205	7.169	
1422656	at	Rasl2-9	NM 009028	Mm.322186	7	8.198	7.906	8.332	8.292	7.752	8.173	8.392	7.911	7.199	7.348	7.671	7.564	7.376	7.393	7.777	8.173	8.750	8.564	8.697	8.315	8.357	8.830	8.249	8.624	
1422657	at	Pr15a1	NM 023746	Mm.155058	13	4.017	3.806	3.889	3.921	4.042	4.010	4.071	3.903	3.761	3.923	3.912	3.713	3.940	3.776	3.906	3.959	3.939	3.780	3.875	4.085	3.920	3.789	4.057	3.848	
1422658	at	Pc12	NM 054066	Mm.50808	6	6.085	5.543	5.835	5.857	5.768	5.809	5.818	5.926	5.798	5.589	5.812	5.790	5.607	5.811	5.772	5.825	5.855	5.915	5.784	5.861	5.790	5.586	5.454	5.863	
1422659	at	Cntn2d	NM 005813	Mm.285938	3	7.431	9.746	7.007	7.518	9.749	7.789	7.745	9.205	9.639	7.958	9.526	9.639	7.922	9.539	9.619	7.739	9.126	9.087	9.133	9.087	9.133	9.087	9.133	9.087	
1422660	at	Rbm3	AY505620	Mm.128512	X	11.823	13.159	12.252	11.671	12.311	12.352	11.954	12.634	13.084	13.083	12.567	12.416	12.129	12.939	12.224	12.187	11.877	11.863	12.164	11.711	11.500	11.624	11.165	10.963	
1422661	at	Lqals8	AI987967	Mm.171186	7	7.497	7.645	7.628	7.573	7.439	7.710	7.699	7.148	7.568	7.577	7.642	7.490	7.499	7.638	7.592	7.782	7.572	7.565	7.840	7.879	7.516	7.713	7.780	7.665	
1422662	at	Lqals8	AI987967	Mm.171186	13	9.510	9.798	9.751	9.857	9.771	10.028	9.816	9.524	9.727	9.769	9.576	9.594	9.714	9.802	9.767	9.741	9.862	9.807	9.873	9.925	9.708	9.771	9.839	9.769	
1422663	at	Orc1	BC015073	Mm.294154	4	5.195	5.566	5.146	5.221	5.167	5.250	5.172	5.222	5.170	5.177	5.208	4.946	4.987	5.267	4.948	5.189	5.086	5.167	5.178	5.240	5.177	5.086	5.146	5.050	
1422664	at	Rab10	NM 016766	Mm.378993	12	8.179	9.373	8.470	8.563	8.719	8.540	8.550	9.338	9.308	9.100	9.093	8.931	8.894	9.067	8.790	8.607	8.781	8.862	8.669	8.330	8.861	8.955	8.629	8.800	
1422665	a at	Pcm1	NM 008786	Mm.258431	10	10.054	10.0																							

1422714	at	Ube2i	U31934	Mm.240044	17	9.979	10.040	9.845	10.045	9.941	10.122	10.063	9.978	9.893	9.867	9.828	9.937	9.915	9.954	10.009	9.909	9.922	10.081	10.076	9.777	9.813	9.936	9.949	9.676
1422715	s at	Acc1	AW554436	Mm.359831	12	10.338	10.803	10.415	10.370	10.326	10.389	10.257	10.211	10.509	10.538	10.255	10.158	10.078	10.382	10.253	10.442	10.584	10.553	10.496	10.531	10.353	10.463	10.265	10.406
1422716	a at	Acc1	AW554436	Mm.359831	12	5.543	5.323	5.458	5.269	5.093	4.959	5.384	5.669	5.139	5.262	4.957	5.329	4.987	5.395	5.116	5.266	5.565	5.167	4.982	4.682	5.373	5.185	5.134	5.196
1422717	at	Acc1	AW554436	Mm.359831	12	7.524	7.609	7.647	7.515	7.291	7.681	7.548	7.566	7.394	7.196	7.339	7.392	7.444	7.547	7.732	6.979	7.605	7.367	7.179	6.966	7.347	7.375	7.355	7.498
1422718	at	Apb2	NM 009692	Mm.220173	7	8.411	8.930	8.405	8.358	8.322	8.354	8.330	8.305	8.639	8.737	8.326	8.387	8.282	8.385	8.378	8.385	8.279	8.448	8.426	8.437	8.460	8.237	8.316	8.881
1422719	at	Nup50	NM 016714	Mm.28379	15	7.043	7.044	6.935	7.224	6.891	7.100	6.795	7.774	7.164	6.960	6.956	6.915	7.008	6.976	7.015	7.064	6.506	6.667	7.063	7.081	6.936	6.816	7.062	7.252
1422720	at	Isl1	B0176915	Mm.42242	13	6.667	6.270	6.580	6.474	6.436	6.428	6.457	6.425	6.564	6.417	6.423	6.140	6.324	6.413	6.440	6.409	6.342	6.606	6.371	6.578	6.143	6.283	6.688	6.546
1422721	at	Tnk1	NM 031880	Mm.358793	11	5.774	5.538	5.745	5.630	5.784	5.822	5.692	5.926	5.768	5.832	5.847	5.733	5.700	5.645	5.807	5.992	5.787	5.983	5.758	5.754	5.951	5.700	5.792	5.853
1422722	at	1700000K19Rik	NM 025488	Mm.273316	12	5.722	5.622	5.981	5.858	5.560	5.684	5.816	5.532	5.855	5.563	5.778	5.733	5.892	5.735	5.751	5.753	5.741	5.825	5.854	5.962	6.054	5.666	5.955	5.831
1422723	at	Strfa	NM 009291	Mm.10801	9	6.730	6.531	6.689	6.882	6.594	6.620	6.575	6.730	6.674	6.665	6.689	6.583	6.497	6.791	6.714	6.785	6.746	6.728	6.703	6.706	6.684	6.714	6.767	6.774
1422724	at	Mak	B0609426	Mm.8149	13	6.043	5.443	5.872	5.824	5.610	5.849	5.710	5.683	5.814	5.666	5.697	5.640	5.671	5.804	5.733	5.787	5.961	5.895	6.045	6.138	5.882	5.588	6.016	5.928
1422725	at	Mak	B0609426	Mm.8149	13	6.915	6.952	6.831	6.946	6.767	6.896	6.853	7.183	6.924	6.845	6.995	6.782	6.984	7.015	6.964	6.922	7.011	6.826	6.798	6.920	6.935	7.015	6.988	6.867
1422726	x at	Spoer4a	NM 029376	Mm.374273	5	3.747	3.708	4.058	3.806	3.720	3.810	3.835	3.987	3.835	3.796	3.915	3.766	3.811	3.754	3.838	3.983	4.029	3.722	3.808	3.866	3.866	3.967	3.824	3.950
1422727	at	Nme5	NM 080637	Mm.275430	18	8.270	7.832	8.294	8.229	8.049	8.091	8.161	7.992	7.926	7.932	7.995	8.143	7.988	7.903	8.085	8.375	8.249	8.047	8.064	7.975	8.322	7.972	8.022	8.067
1422728	at	Inha	NM 010564	Mm.1100	1	8.350	8.173	8.448	8.427	8.530	8.337	8.435	8.263	8.180	8.199	8.027	8.218	8.110	8.147	8.186	8.444	8.514	8.709	8.626	8.653	8.364	8.406	8.338	8.368
1422729	at	Pcdhb10	NM 053135	Mm.115996	18	4.605	4.602	4.799	4.681	4.846	4.730	4.759	4.684	4.742	4.639	4.752	4.606	4.589	4.806	4.636	4.719	4.481	4.700	4.760	4.865	4.918	4.762	4.835	4.808
1422730	at	Limd1	AK004806	Mm.10987	9	10.327	9.731	10.181	10.023	9.628	9.764	9.688	10.140	9.722	9.557	9.949	10.528	10.637	9.681	9.557	10.241	9.536	9.296	9.038	9.096	9.576	9.685	9.352	9.325
1422731	at	Limd1	AK004806	Mm.10987	9	10.619	9.962	10.878	10.557	9.901	10.354	10.158	10.426	9.852	9.980	10.095	10.834	10.907	10.147	9.916	10.923	9.673	9.565	9.460	9.470	9.767	10.164	9.809	9.782
1422732	at	Polido2	NM 026389	Mm.197493	11	10.911	10.994	11.211	11.042	10.792	11.161	11.049	10.853	10.494	10.786	10.988	10.951	10.591	10.723	10.882	11.126	11.114	11.196	11.063	11.310	11.094	11.096	11.133	11.166
1422733	at	Fik1	AV230815	Mm.29730	2	5.537	5.758	5.435	5.629	5.771	5.562	5.709	6.085	5.481	5.781	6.016	6.066	5.957	5.612	5.702	5.345	5.591	5.500	5.559	5.693	5.448	5.383	5.367	5.245
1422734	a at	Mvb	BC011513	Mm.52109	10	4.114	4.190	4.222	4.097	4.280	4.092	4.109	4.243	4.213	4.236	4.241	4.233	4.324	4.114	4.318	4.096	4.122	4.478	4.191	4.240	4.352	4.280	4.234	4.188
1422735	at	Foxp1	NM 008239	Mm.44235	13	7.787	7.392	7.529	7.611	7.644	7.592	7.534	7.709	7.681	7.429	7.691	7.277	7.473	7.622	7.704	7.555	7.578	7.524	7.523	7.600	7.514	7.417	7.568	7.631
1422736	at	Ranbp9	NM 019390	Mm.148781	13	8.498	8.332	8.510	8.194	8.366	8.151	7.933	8.336	8.396	8.648	8.171	8.395	8.569	8.069	8.492	8.557	8.293	8.110	8.138	8.163	8.361	8.417	8.437	8.530
1422737	at	Ncoa3	NM 008679	Mm.1011	2	8.368	8.689	8.414	8.431	8.456	8.402	8.366	8.357	8.975	8.697	8.631	8.629	8.693	8.622	8.438	8.340	8.140	8.055	8.106	8.202	8.278	8.344	8.544	8.462
1422738	at	Ddr2	NM 022563	Mm.229249	1	8.126	7.843	8.071	8.237	8.255	8.274	8.100	8.224	8.061	8.046	8.033	8.158	8.115	8.200	7.940	8.181	7.932	7.849	7.985	8.093	8.008	7.798	8.242	8.407
1422739	at	Hsz2t1	AV346600	Mm.12863	3	7.220	7.301	7.028	7.370	7.627	7.300	7.236	7.126	7.604	7.475	7.321	7.359	7.774	7.406	7.381	7.037	7.478	7.177	7.312	7.285	7.230	7.390	7.370	7.100
1422740	at	Tnfrstf21	NM 020822	Mm.279308	17	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687	7.687
1422741	at	Bb1	BF319769	Mm.28940	15	6.565	6.655	6.611	6.782	6.922	6.786	6.781	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
1422742	at	Hivep1	NM 007772	Mm.4808	13	8.577	8.826	8.369	8.787	8.800	8.133	8.608	8.726	8.636	8.855	8.683	8.888	8.529	8.464	8.425	8.364	8.491	8.572	7.960	8.011	8.794	9.026	8.809	8.825
1422743	at	Phka1	NM 008832	Mm.141197	X	10.645	9.739	10.996	9.754	9.720	9.617	10.151	9.600	9.375	9.936	10.113	9.487	9.311	9.220	9.373	11.148	9.382	9.632	10.103	9.597	9.474	9.564	9.924	10.090
1422744	at	Phka1	NM 008832	Mm.141197	X	8.557	8.113	9.275	7.964	7.913	7.999	8.192	7.528	7.578	8.342	8.032	7.510	7.376	7.740	7.670	9.403	7.103	7.545	8.183	7.951	7.399	7.284	8.110	8.303
1422745	at	Bicd2	NM 029791	Mm.197387	13	6.425	6.565	6.279	6.600	6.356	6.422	6.423	6.425	6.651	6.527	6.448	6.386	6.442	6.742	6.445	6.375	6.401	6.371	6.490	6.522	6.494	6.488	6.657	6.752
1422746	s at	Bicd2	NM 029791	Mm.197387	13	8.127	8.146	7.984	8.124	7.973	7.938	7.705	7.895	7.979	8.176	7.929	7.974	7.905	8.177	7.922	8.027	8.020	7.999	8.006	8.075	8.049	8.002	8.173	8.223
1422747	at	Chek2	NM 016681	Mm.279308	5	7.661	8.436	8.078	8.234	8.168	8.215	8.296	8.459	8.226	8.260	8.068	8.061	8.073	8.383	8.400	7.923	8.426	8.140	8.218	8.406	8.195	8.346	7.641	8.039
1422748	at	Zetd5	NM 028753	Mm.28940	15	7.898	7.790	7.664	7.908	7.491	8.082	8.093	7.732	8.012	7.992	7.395	8.010	7.909	8.232	8.052	8.215	8.154	7.988	8.130	8.124	7.988	8.130	8.124	7.988
1422749	at	Lym6d10	NM 023463	Mm.215096	17	7.520	7.042	7.536	7.389	7.148	7.417	7.528	7.310	7.160	7.152	7.358	7.308	7.154	7.244	7.427	7.458	7.390	7.234	7.286	7.611	7.428	7.200	7.399	7.536
1422750	a at	Zmyndn6	NM 028321	Mm.28331	9	6.839	6.444	6.624	6.919	6.579	6.845	6.669	6.871	6.526	6.456	6.684	6.715	6.611	6.682	6.629	6.726	6.850	6.840	6.705	6.499	6.683	6.772	6.819	6.789
1422751	at	Tle1	NM 011599	Mm.278444	4	6.489	7.445	6.965	7.109	6.874	7.302	6.795	7.162	6.876	6.780	6.707	7.361	7.430	7.023	6.947	7.005	7.073	7.094	6.620	6.757	6.922	7.890	7.825	7.497
1422752	at	Poir3k	BG070121	Mm.306482	2	6.792	7.294	6.725	6.806	6.865	6.983	6.945	6.919	7.015	6.988	6.745	7.063	6.833	7.096	6.700	6.742	6.932	6.890	6.862	6.622	6.688	6.397	6.665	6.740
1422753	a at	Poir3k	BG070121	Mm.306482	2	6.171	6.275	6.035	6.198	6.137	6.218	6.247	6.303	6.264	6.029	6.318	6.152	6.018	6.363	6.105	6.117	6.188	6.268	6.198	6.071	6.228	6.204	6.161	6.207
1422754	at	Tmod1	NM 021883	Mm.245954	4	12.332	12.100	12.462	12.434	12.319	12.289	12.265	12.389	11.998	12.074	11.													

1422803	at	FstI3	NM 031380	Mm.251710	10	8.180	9.579	7.863	7.738	8.673	8.023	7.850	8.762	9.590	8.830	9.035	9.144	9.151	8.931	7.955	7.957	8.120	8.285	7.722	8.077	7.978	7.735	8.038		
1422804	at	Serpinb5b	NM 011454	Mm.36526	13	10.041	10.738	9.951	10.095	11.042	10.147	9.966	10.794	11.172	11.163	10.234	11.307	11.243	10.617	10.787	9.866	10.827	10.393	10.288	10.341	10.640	10.863	10.307	10.091	
1422805	a	lno3	BB020556	Mm.39999	6	8.626	8.522	8.376	8.435	8.503	8.513	8.429	8.961	8.603	8.390	8.800	8.593	8.494	8.333	8.580	8.366	9.136	8.824	8.575	8.436	8.799	9.101	8.628	8.324	
1422806	x	at	BB020556	Mm.39999	6	7.363	7.082	7.097	7.052	6.890	7.049	7.276	7.145	6.769	7.143	7.235	6.927	6.935	6.814	7.188	7.012	6.878	7.044	7.082	6.881	7.037	7.345	7.253	7.147	
1422807	at	Arf6	NM 007480	Mm.39075	6	8.424	8.539	8.251	8.407	8.689	8.325	8.377	8.241	8.939	8.786	8.654	8.697	8.762	8.667	8.477	8.857	8.176	8.348	8.476	8.304	8.809	8.457	8.318		
1422808	s	at	DocK2	NM 033374	Mm.380679	11	7.688	7.953	7.599	7.846	7.856	7.741	7.716	7.962	7.740	7.729	7.847	7.596	7.596	7.596	7.596	7.504	7.572	7.589	7.504	7.572	7.589	7.504	7.572	
1422809	at	Rims2	NM 053271	Mm.307996	15	3.826	4.003	3.733	3.794	3.947	3.884	3.847	4.109	4.017	4.065	3.823	3.748	3.941	3.776	4.137	3.777	3.799	3.999	3.732	3.680	3.839	3.964	3.813	3.816	
1422810	at	Zfp191	BF780333	Mm.417427	18	6.281	6.013	6.141	6.071	5.974	6.103	6.199	6.518	6.063	5.999	5.961	6.109	5.858	5.829	5.900	5.967	6.419	6.172	6.110	6.147	6.223	6.370	6.108	6.154	
1422811	at	Slc27a1	NM 011977	Mm.38165	8	8.965	8.521	9.129	9.261	8.646	9.089	8.886	8.180	8.321	8.494	8.338	8.553	8.370	8.633	8.814	9.346	8.853	9.009	9.226	9.292	8.905	8.522	9.272	9.291	
1422812	at	Cxcr6	NM 030712	Mm.124289	9	4.245	5.425	4.159	3.980	3.956	4.087	4.069	4.571	4.517	4.251	5.026	5.591	5.763	5.590	4.176	4.134	3.915	4.055	4.276	3.910	4.092	3.948	3.884	4.152	
1422813	at	Cacna1	NM 007582	Mm.57093	11	5.848	5.703	5.785	5.815	5.744	5.701	5.761	5.683	5.711	5.653	5.840	5.734	5.743	5.867	5.774	5.972	5.729	5.780	5.771	5.788	5.778	5.679	5.934	5.832	
1422814	at	Aspm	NM 009791	Mm.168523	1	7.227	9.033	7.122	7.311	7.865	7.520	7.497	8.446	8.737	7.723	8.744	7.676	7.960	8.842	7.877	7.398	7.161	7.444	7.258	7.547	7.068	7.167	7.141	7.167	
1422815	at	C9	NM 013485	Mm.29095	15	7.782	7.316	7.994	7.832	7.583	7.612	7.901	7.692	7.358	7.378	7.673	7.414	7.521	7.509	7.721	7.741	7.717	7.777	7.639	7.771	7.644	7.735	7.660	7.638	
1422816	a	at	Mutyh	NM 133250	Mm.180333	4	7.087	6.959	7.086	7.137	7.163	7.157	7.201	7.251	7.034	7.130	7.144	7.110	7.131	7.165	7.096	7.182	7.296	7.042	7.128	7.152	7.004	7.033	7.007	7.166
1422817	at	Gp5	NM 008148	Mm.3519	16	5.585	5.581	5.607	5.591	5.305	5.484	5.686	5.400	5.599	5.205	5.536	5.223	5.321	5.480	5.525	5.739	5.410	5.487	5.407	5.712	5.636	5.456	5.455	5.728	
1422818	at	Nedd9	NM 017464	Mm.288980	13	10.214	9.809	9.780	9.507	9.972	9.272	9.250	9.776	10.056	10.195	9.983	9.960	10.165	9.483	9.788	9.887	8.838	8.780	8.578	8.714	8.918	9.093	9.778	9.782	
1422819	at	Nrpl36	AB049655	Mm.26775	13	9.614	9.744	9.379	9.623	9.664	9.466	9.519	9.967	9.658	9.380	9.402	9.499	9.460	9.411	9.072	9.324	10.328	10.172	9.671	9.687	10.143	10.244	9.421	9.382	
1422820	at	Lipe	NM 010719	Mm.333679	7	8.297	7.567	8.176	8.165	7.864	8.278	8.175	7.756	7.813	7.693	8.027	7.844	7.802	8.014	8.099	8.353	8.384	8.494	8.880	8.605	8.155	8.914	8.373	8.250	
1422821	s	at	StarD5	BI076697	Mm.357953	7	8.364	8.306	8.226	8.324	8.231	8.301	8.307	8.367	8.467	8.430	8.432	8.368	8.304	8.556	8.361	8.197	8.182	8.054	8.326	8.246	8.251	8.278	8.198	8.155
1422822	at	StarD5	BI076697	Mm.357953	7	7.891	8.123	7.910	7.831	7.915	8.083	7.867	7.698	8.037	8.244	7.962	7.922	8.003	8.246	8.283	7.872	7.649	7.838	7.907	7.975	7.917	7.662	8.038	7.743	
1422823	at	Eps8	NM 007945	Mm.235346	6	8.474	8.719	8.470	8.439	8.624	8.318	8.250	8.289	8.442	8.638	8.684	8.116	8.189	8.693	8.525	8.483	8.273	8.206	8.417	8.084	8.171	8.511	8.624	8.506	
1422824	s	at	Eps8	NM 007945	Mm.235346	6	7.698	7.923	8.000	7.623	7.924	7.764	7.532	7.847	7.760	7.890	7.981	7.542	7.423	8.059	7.772	7.829	7.622	7.407	7.696	7.294	7.446	7.693	7.988	7.766
1422825	at	Cartpt	NM 013732	Mm.75498	13	6.501	6.322	6.476	6.647	6.541	6.659	6.522	6.492	6.455	6.244	6.541	6.413	6.490	6.685	6.555	6.565	6.457	6.300	6.612	6.582	6.699	6.298	6.724	6.670	
1422826	at	Iqfals	NM 008340	Mm.3135	17	8.675	8.241	8.822	8.650	8.212	8.413	8.353	8.509	7.708	8.061	8.251	8.013	8.018	8.097	8.154	8.890	8.286	8.423	8.327	8.284	8.644	8.606	8.399	8.297	
1422827	x	at	Slc35a2	NM 078484	Mm.214976	X	7.673	8.285	7.776	7.955	8.263	7.754	7.819	7.763	8.216	8.240	7.855	8.989	8.437	7.965	7.992	7.751	7.676	7.744	7.854	7.780	7.636	7.732	7.730	
1422828	at	Cd3d	NM 013487	Mm.4527	9	6.780	6.575	6.643	6.849	6.753	6.592	6.848	6.822	6.810	6.804	6.816	6.552	6.796	6.710	6.663	6.752	6.791	6.843	6.623	6.925	6.851	6.633	6.684	6.937	
1422829	at	Drp4	NM 007878	Mm.41075	7	7.582	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	
1422830	at	Drp4	NM 007878	Mm.41075	7	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	
1422831	at	Fbn2	NM 010181	Mm.20271	18	5.795	6.465	5.923	5.939	6.636	5.886	5.914	6.255	7.733	7.521	6.382	7.481	6.769	6.844	7.082	6.061	6.023	5.981	6.345	6.236	5.873	5.932	5.455	6.055	
1422832	at	Ror	NM 021340	Mm.20460	14	6.867	6.596	7.028	6.865	6.736	6.623	6.929	6.597	6.497	6.623	6.612	6.659	6.626	6.777	6.539	6.903	6.737	6.560	6.315	7.092	7.081	6.643	7.019	6.901	
1422833	at	Foxo2	NM 010446	Mm.938	2	6.452	6.085	6.348	6.335	6.257	6.413	6.391	6.417	6.359	6.111	6.265	6.090	6.223	6.146	6.249	6.341	6.225	6.175	6.304	6.379	6.274	6.335	6.421	6.391	
1422834	at	Kcnj2	BB051684	Mm.425316	6	9.037	8.411	8.753	9.018	8.890	9.216	8.847	8.143	8.501	8.009	8.130	8.292	8.304	7.802	8.612	8.647	9.582	9.241	9.241	9.085	9.249	9.473	9.114	9.122	
1422835	at	Kcnj2	BB051684	Mm.425316	6	10.350	9.043	9.770	10.370	10.240	10.389	10.266	9.199	9.332	9.593	9.321	9.450	9.523	9.234	10.025	9.904	10.527	10.244	10.599	10.215	10.526	10.636	10.503	10.359	
1422836	at	Mbn3	NM 134163	Mm.295324	X	6.344	6.463	6.419	6.371	6.468	6.219	6.321	6.514	6.461	6.615	6.527	6.088	6.525	6.684	6.533	6.524	6.588	6.254	6.499	6.458	6.312	6.505	6.493	6.256	
1422837	at	Sox2	NM 022891	Mm.140380	14	7.531	8.309	7.713	7.999	9.909	8.236	7.562	8.640	8.736	8.270	8.640	8.736	8.270	8.640	8.736	8.270	8.640	8.736	8.270	8.640	8.736	8.270	8.640	8.736	
1422838	at	Kcnu1	NM 008432	Mm.289679	8	5.532	5.710	5.369	5.583	5.658	5.515	5.564	5.469	5.548	5.422	5.572	5.191	5.436	5.513	5.491	5.338	5.564	5.488	5.388	5.441	5.602	5.405	5.730	5.584	
1422839	at	Neuro2a	NM 009718	Mm.42017	3	5.239	4.763	5.116	5.030	5.128	5.035	5.101	4.955	5.127	4.834	5.172	4.869	5.258	5.154	5.151	5.373	5.246	5.231	5.484	4.356	5.206	4.946	5.048	5.146	
1422840	at	1700013N18Rik	NM 028502	Mm.441500	5	4.373	4.306	4.408	4.577	4.434	4.356	4.330	4.244	4.285	4.391	4.428	4.324	4.303	4.198	4.449	4.353	4.312	4.638	4.335	4.443	4.354	4.386	4.162	4.407	
1422841	at	Aagat6	NM 018743	Mm.200898	8	5.860	5.674	5.864	5.798	6.016	5.871	5.837	5.909	5.557	5.849	6.058	5.856	5.661	5.918	5.929	5.958	5.836	5.813	5.987	6.137	5.659	5.752	5.828	6.082	
1422842	at	Xrnl	NM 011917	Mm.3065	2	9.155	9.243	9.068	9.018	9.136	9.357	9.089	8.987	8.873	8.829	8.865	8.942	9.069	9.084	9.111	9.300	9.190	9.878	9.291	9.134	9.001	9.051	9.068	8.885	
1422843	at	Xrnl	NM 011917	Mm.3065	2	6.200	6.308	6.077	6.168	6.304	6.356	6.201	6.457	6.121	6.059	6.061	6.174	6.196	6.213	6.141	6.003	6.497	6.139	6.456	6.311	6.249	6			

1422892	s	at	H2-Ea	U13648	Mm.15680	17	6.443	6.461	6.449	6.291	6.256	6.361	6.416	6.292	6.246	6.085	6.172	6.087	6.253	6.418	6.324	6.182	6.320	6.106	6.374	6.502	6.498	6.212	6.267	6.362		
1422893	at	Sfmbt1		AV214764	Mm.294662	14	6.642	7.181	6.831	6.819	6.923	6.778	6.567	6.896	6.971	6.848	6.897	6.840	6.832	7.026	6.732	6.746	6.399	6.688	6.573	6.784	6.772	6.705	6.839	6.774		
1422894	at	Sfmbt1		AV214764	Mm.294662	14	6.712	6.889	6.612	6.769	7.184	6.799	6.666	6.740	6.708	6.759	6.620	6.743	6.584	6.752	6.549	6.912	6.829	6.708	6.760	6.931	6.677	6.882	6.594	6.866		
1422895	at	Vamp4		NM 016796	Mm.10699	1	10.151	10.274	10.337	10.245	10.106	10.340	10.243	10.100	9.998	10.174	9.934	10.244	10.221	10.150	10.342	10.316	10.253	10.069	10.249	10.201	10.056	10.144	10.321	10.315		
1422896	at	Vamp4		NM 016796	Mm.10699	1	6.234	6.194	6.271	6.320	6.265	6.159	6.286	6.336	6.265	6.345	6.300	6.706	6.523	6.085	6.384	6.066	6.641	6.581	6.436	6.081	6.593	6.813	6.438	6.449		
1422897	at	Slc22a12		NM 009203	Mm.391146	19	8.508	8.364	8.677	8.860	8.526	8.512	8.510	8.495	8.405	8.274	8.571	8.495	8.402	8.363	8.383	8.058	8.540	8.431	8.430	8.718	8.593	8.485	8.574	8.590		
1422898	s	at	Slc22a12	NM 009203	Mm.391146	19	6.649	6.655	6.505	6.619	6.731	6.438	6.636	6.796	6.714	6.464	6.370	6.516	6.560	6.602	6.649	6.747	6.812	6.630	6.608	6.531	6.532	6.570	6.637	6.609		
1422899	at	Slc6a420b		BC013484	Mm.41963	9	6.429	6.099	6.310	6.100	5.893	6.016	6.332	6.033	5.845	6.120	6.407	6.221	6.031	6.101	5.974	6.178	6.217	6.239	5.908	6.323	6.220	6.136	6.077	6.123		
1422900	at	Moea5		NM 023799	Mm.122725	19	9.106	9.369	9.396	9.377	9.253	9.404	9.083	9.129	9.698	9.634	5.802	9.437	9.502	9.585	9.437	9.434	9.233	9.183	9.357	9.457	9.243	9.395	9.914	9.679		
1422901	at	Moea5		NM 023799	Mm.122725	19	8.459	8.521	8.987	8.998	8.607	9.125	8.487	8.067	8.668	9.034	8.788	8.383	8.577	8.812	8.956	9.128	8.324	8.559	9.044	9.185	8.381	8.283	9.195	9.298		
1422902	s	at	Moea5	NM 023799	Mm.122725	19	9.150	9.268	9.642	9.595	9.343	9.660	9.196	8.891	9.386	9.771	9.777	9.186	9.262	9.377	9.671	9.817	9.252	9.197	9.509	9.836	9.432	9.394	9.926	10.004		
1422903	at	Lys6		NM 010745	Mm.2639	13	8.141	9.614	8.101	8.314	8.931	8.398	8.926	8.743	9.801	9.444	8.363	9.318	9.469	9.707	9.681	8.008	8.019	7.913	8.090	7.956	8.149	8.388	7.952	7.955		
1422904	at	Fmo2		NM 018881	Mm.10929	1	10.448	9.244	10.574	10.438	10.220	10.562	10.052	9.978	9.700	10.043	9.851	9.821	9.799	9.567	10.467	10.596	10.199	10.313	10.194	10.245	10.088	10.673	10.347	10.587		
1422905	s	at	Fmo2	NM 018881	Mm.10929	1	10.525	9.201	10.653	10.635	10.467	10.584	10.080	9.983	9.916	10.199	9.383	9.987	9.858	9.146	10.519	10.637	10.212	10.253	10.181	10.021	10.806	10.853	10.752	10.751		
1422906	at	Abc2		NM 011920	Mm.333096	6	9.966	10.290	10.306	10.058	10.551	10.385	10.249	10.422	9.957	10.191	10.339	10.021	10.092	10.336	10.404	10.269	10.107	10.279	10.322	10.233	10.265	10.477	10.177	10.540		
1422907	at	Gnat2		NM 008141	Mm.439652	3	6.795	6.640	6.407	6.587	6.476	6.571	6.506	6.372	6.808	6.463	6.545	6.556	6.681	6.581	6.547	6.562	6.349	6.455	6.462	6.685	6.518	6.179	6.499	6.523		
1422908	at	Atp1b4		NM 133690	Mm.60134	X	4.721	4.518	4.705	4.582	4.441	4.509	4.609	4.544	4.648	4.357	4.433	4.618	4.556	4.448	4.586	4.598	4.626	4.773	4.673	4.711	4.646	4.498	4.783	4.711		
1422909	at	Smc6		AU022584	Mm.173953	12	6.265	6.747	6.194	6.009	6.618	6.326	6.311	6.305	6.706	6.649	6.430	6.230	6.235	6.307	6.149	6.102	6.261	5.894	6.236	6.117	6.307	6.156	6.333	6.033		
1422910	s	at	Smc6	AU022584	Mm.173953	12	9.613	10.026	9.275	9.553	10.012	9.608	9.452	10.036	9.960	9.878	9.430	9.967	9.898	9.519	9.587	9.388	8.984	9.750	9.526	9.270	10.028	10.075	9.488	9.337		
1422911	at	Cb3c		NM 019820	Mm.97163	14	6.735	6.384	6.506	6.637	6.349	6.543	6.641	6.491	6.197	6.258	6.586	6.318	6.412	6.532	6.664	6.680	6.500	6.413	6.597	6.943	6.486	6.402	6.583	6.743		
1422912	at	Bmp4		NM 007554	Mm.6813	14	8.768	8.620	8.624	8.634	8.610	8.902	8.456	9.350	8.660	8.946	9.411	9.547	8.967	8.777	9.210	8.595	9.145	8.912	8.858	8.770	9.270	9.281	8.982	8.454		
1422913	at	Prm3		NM 013638	Mm.291887	16	6.488	6.375	6.531	6.478	6.318	6.604	6.525	6.748	6.233	6.410	6.493	6.489	6.279	6.264	6.455	6.358	6.519	6.583	6.499	6.342	6.544	6.385	6.623	6.545		
1422914	at	Sp5		NM 022435	Mm.423397	2	5.609	5.291	5.516	5.272	5.214	5.283	5.482	5.505	5.453	5.417	5.446	5.307	5.424	5.429	5.361	5.469	5.325	5.478	5.551	5.514	5.663	5.411	6.274	5.649		
1422915	at	Gast		NM 010257	Mm.4767	11	6.430	6.136	6.508	6.421	6.473	6.274	6.329	6.373	6.393	6.275	6.294	6.448	6.338	6.359	6.173	6.301	6.531	6.414	6.576	6.360	6.429	6.611	6.445	6.551		
1422916	at	Faf21		NM 020013	Mm.143736	7	6.344	6.309	6.333	6.534	6.281	6.715	6.539	6.557	6.234	6.305	6.638	6.320	6.452	6.213	6.446	6.610	6.558	6.458	6.457	6.617	6.521	6.641	6.482	6.454		
1422917	at	EphA1		NM 023580	Mm.133330	6	6.481	6.123	6.395	6.533	6.508	6.075	6.388	6.541	6.622	6.499	6.694	6.616	6.108	6.281	6.614	6.502	6.743	6.228	6.462	6.501	6.672	6.565	6.661	6.569		
1422918	at	Usp109J06RIK		NM 023580	Mm.133330	6	7.019	6.123	6.717	6.707	6.086	6.076	6.388	7.024	7.045	6.707	6.009	6.616	6.108	6.281	6.614	6.502	6.743	6.228	6.462	6.501	6.672	6.565	6.661	6.569		
1422919	at	Hras1		NM 013751	Mm.103400	16	8.170	8.846	8.105	8.277	8.420	8.565	8.628	7.718	7.271	7.350	8.982	8.982	8.178	7.037	7.125	7.199	6.832	6.989	6.862	6.777	6.562	7.142	6.960	7.314		
1422920	at	Cldn13		NM 020504	Mm.86652	5	6.864	6.563	6.656	6.838	6.826	6.643	6.709	6.874	6.855	6.510	6.737	6.659	6.737	7.010	6.680	6.685	6.722	6.681	6.753	6.904	6.803	6.703	6.870	6.825		
1422921	at	Vpreb3		NM 009514	Mm.333851	10	7.452	7.309	7.451	7.604	7.399	7.291	7.572	7.559	7.442	7.395	7.514	7.425	7.389	7.400	7.444	7.481	7.398	7.455	7.436	7.481	7.474	7.525	7.494	7.523		
1422922	at	Recq4		NM 058214	Mm.18373	15	6.976	7.102	6.829	6.909	6.868	6.716	6.875	7.003	7.002	6.881	7.010	6.785	6.849	7.097	6.840	6.871	6.875	6.772	6.866	6.803	6.872	6.726	6.769	6.949		
1422923	at	Faf3		NM 008007	Mm.4947	7	6.039	5.772	6.018	6.057	5.925	5.885	5.905	5.975	5.934	5.852	5.936	5.948	5.873	5.978	5.897	5.962	6.109	5.729	5.937	6.127	6.185	6.127	5.890	5.998		
1422924	at	Tnfrsf9		NM 009404	Mm.411771	17	6.933	7.433	7.032	6.877	7.217	6.689	6.852	6.639	7.225	6.945	6.767	6.169	6.853	6.873	7.213	6.911	6.714	6.644	6.645	6.797	6.841	6.851	6.714	6.554	7.041	6.651
1422925	s	at	Aco3	NM 134246	Mm.202331	12	7.851	7.579	7.901	7.862	7.822	7.897	8.060	7.910	7.725	7.735	7.873	7.897	7.801	7.734	7.889	7.859	7.874	7.817	7.979	7.994	7.943	7.880	7.754	7.915		
1422926	at	Usp1		NM 013550	Mm.221301	13	9.592	6.134	7.245	9.593	6.056	7.363	7.406	9.832	6.051	8.939	6.494	6.810	9.303	7.952	6.318	6.936	7.353	7.131	7.591	7.027	7.220	7.220	7.220	7.220		
1422927	at	Vipr7		NM 023784	Mm.154776	5	11.949	10.377	11.717	11.687	11.031	11.444	11.768	11.626	9.628	9.977	11.166	10.787	10.592	10.228	11.044	11.772	12.140	11.874	11.332	11.692	12.319	12.281	11.700	11.655		
1422928	at	Ela2		NM 051779	Mm.262194	10	8.051	7.668	7.876	7.874	7.767	7.778	7.830	7.970	7.922	7.941	7.974	7.702	7.836	7.993	7.749	7.875	7.876	7.823	7.869	7.757	7.990	7.766	7.900	7.925		
1422929	s	at	Atoh7	NM 016864	Mm.228661	10	6.173	6.021	6.373	6.292	6.112	6.069	6.172	6.093	6.111	6.058	6.275	5.964	6.150	6.129	6.144	6.101	6.039	6.145	6.248	6.311	6.142	5.984	6.114	6.223		
1422930	at	Icam4		NM 023892	Mm.30220	9	6.496	6.372	6.396	6.348	6.380	6.444	6.322	6.363	6.180	6.222	6.105	6.258	6.053	6.080	5.885	6.108	6.740	6.952	6.434	6.621	6.755	6.552	6.324	6.288		
1422931	at	Fosl2		NM 008037	Mm.24684	5	8.802	8.343	8.386	8.292	8.920	8.072	8.261	8.341	8.503	8.395	8.744	8.157	8.342	8.236	8.310	8.534	8.260	8.248	8							

1422981	at	Dqcr8	NM	033324	Mm.447352	16	6.878	6.541	6.923	6.889	6.792	6.969	6.900	6.950	6.748	6.652	6.962	6.740	6.682	6.862	6.684	6.865	6.838	6.784	6.955	7.142	6.966	6.669	6.985	7.005
1422982	at	Ar	NM	013476	Mm.39005	X	7.919	7.602	7.799	7.788	7.770	7.835	7.803	7.942	7.984	7.707	7.740	7.686	7.818	7.644	7.730	7.768	7.930	7.919	7.908	7.713	7.783	7.824	7.672	7.560
1422983	at	Itqib6	NM	021359	Mm.98193		7.122	7.070	7.147	7.044	7.121	7.519	7.563	6.437	6.156	6.194	6.919	6.607	6.784	7.055	6.634	7.006	7.515	7.297	7.497	7.497	7.088	6.960	6.979	7.275
1422984	at	Cllp2	NM	009990	Mm.255138		5.708	6.791	6.842	7.064	6.719	6.658	6.974	6.845	6.970	6.568	6.889	6.643	6.802	6.755	7.024	6.746	6.887	6.615	6.660	6.922	6.703	6.699	6.875	6.990
1422985	at	Fcd1	NM	021457	Mm.246003		5.410	5.446	5.535	5.403	5.456	5.456	5.456	5.042	5.408	5.582	5.287	5.214	5.511	5.408	5.464	5.374	5.548	5.525	5.349	5.391	5.117	5.483	5.461	
1422986	at	Esrbp	NM	011934	Mm.235550	12	6.960	6.665	6.986	6.717	6.490	6.783	6.749	6.529	6.456	6.464	6.701	6.736	6.750	6.768	6.851	6.750	6.602	6.803	6.719	6.842	6.842	6.682	6.846	
1422987	at	Ntn1	NM	008744	Mm.390095	11	5.691	5.190	5.308	5.541	5.369	5.283	5.466	5.607	5.285	5.338	5.459	5.444	5.177	5.178	5.653	5.572	5.720	5.693	5.450	5.404	5.403	5.465	5.588	5.540
1422988	at	Sqsh	NM	018822	Mm.103788	11	7.608	7.265	7.436	7.590	7.410	7.454	7.462	7.474	7.405	7.284	7.445	7.201	7.276	7.383	7.385	7.502	7.476	7.425	7.387	7.565	7.461	7.453	7.615	7.434
1422989	a at	Dmpk	NM	032418	Mm.6529	7	7.861	7.772	8.001	8.503	8.440	7.942	7.655	7.961	7.709	7.992	8.406	8.088	8.090	7.180	8.284	8.341	8.063	7.639	8.198	8.014	7.962	7.792	8.600	8.390
1422990	at	Met	NM	008591	Mm.86844	6	6.066	5.885	5.876	5.969	5.813	5.787	6.102	5.891	5.817	5.859	6.255	6.010	5.905	5.936	6.042	6.062	5.926	5.862	6.193	6.204	6.231	5.955	5.975	6.051
1422991	at	Pik3cd	NM	008940	Mm.229108	4	7.047	7.081	6.956	7.026	7.101	6.981	7.065	7.110	7.250	7.047	7.214	7.107	7.308	7.132	6.982	7.120	7.076	7.161	7.306	6.769	6.842	7.037	6.953	
1422992	s at	Pik3cd	NM	008940	Mm.229108	4	4.596	4.881	4.975	4.839	4.766	4.669	4.833	4.830	4.808	4.744	4.858	4.858	4.809	4.866	5.053	4.798	4.986	4.745	4.757	4.780	4.484	4.726	4.837	4.802
1422993	s at	Refb2	NM	019484	Mm.389208	1	8.132	8.913	7.960	8.121	8.179	8.249	8.286	7.916	8.399	8.252	8.423	8.159	8.063	8.784	8.084	7.930	7.809	8.288	8.158	8.006	7.716	7.600	8.139	8.141
1422994	at	Pik5k3	NM	011086	Mm.38370	1	6.547	6.068	6.597	6.427	6.304	6.515	6.393	6.468	6.320	6.170	6.255	6.343	6.617	6.233	6.518	6.505	6.474	6.417	6.668	6.693	6.500	6.622	6.686	6.810
1422995	at	Bmf	NM	138313	Mm.210125	2	5.713	5.541	5.775	5.628	5.633	5.515	5.883	5.556	5.526	5.719	5.791	5.463	5.628	5.544	5.605	5.439	5.405	5.683	5.750	5.792	5.628	5.677	5.682	5.721
1422996	at	Aco2	NM	134188	Mm.371675	12	7.617	6.979	7.426	7.570	6.938	7.608	7.739	6.981	6.665	6.785	7.206	6.808	6.605	6.891	7.350	7.445	7.555	7.713	8.176	8.204	7.662	7.732	7.744	8.076
1422997	s at	Aco2	NM	134188	Mm.371675	12	8.624	7.548	8.266	8.562	7.671	8.483	8.658	7.662	7.088	7.429	7.644	7.945	7.634	7.686	8.247	8.218	8.945	9.269	9.732	9.346	8.882	8.478	8.824	8.984
1422998	a at	Glrx2	NM	023505	Mm.272727	1	12.199	11.840	12.056	12.088	11.870	11.908	12.193	11.595	11.718	11.857	11.700	11.796	11.784	11.523	11.965	11.953	11.954	12.069	11.940	12.073	12.016	12.038	12.211	12.146
1422999	at	Map3k14	NM	016896	Mm.158981	11	7.742	7.719	7.589	7.708	7.669	7.613	7.658	7.601	7.619	7.572	7.694	7.404	7.619	7.632	7.568	7.633	7.512	7.462	7.554	7.606	7.523	7.429	7.655	7.425
1423000	a at	Dok1	NM	019505	Mm.153695	11	6.328	6.097	6.235	6.227	6.080	6.159	6.360	6.269	6.104	6.072	6.095	6.077	6.039	6.229	6.144	6.222	6.152	6.203	6.483	6.549	6.235	6.010	6.230	6.251
1423001	at	Sprad2	NM	033523	Mm.266627	11	8.156	7.992	7.934	8.165	7.959	8.149	8.118	8.172	8.064	7.832	8.217	7.961	8.058	8.047	7.937	8.168	8.127	8.086	8.081	8.163	8.113	7.978	7.944	8.024
1423002	at	Paq1	NM	053182	Mm.214484	3	7.995	7.961	7.936	8.009	7.982	8.109	7.862	8.114	8.167	7.886	8.080	7.854	7.934	7.917	8.066	8.110	7.989	8.128	8.143	8.230	8.113	7.913	8.057	8.072
1423003	at	Setd7	NM	080793	Mm.192111	3	5.694	5.411	5.307	5.401	5.378	5.321	5.478	5.380	5.667	5.397	5.783	5.329	5.540	5.699	5.491	5.428	5.133	5.484	5.609	5.676	5.507	5.453	5.454	5.540
1423004	at	Vipr1	NM	011703	Mm.282007	9	5.381	5.489	5.660	5.309	5.450	5.370	5.555	5.458	5.484	5.358	5.544	5.341	5.529	5.456	5.668	5.335	5.636	5.125	5.450	5.544	5.495	5.541	5.638	5.659
1423005	a at	Esn	NM	019585	Mm.264215	4	5.364	5.227	5.236	5.343	5.226	5.216	5.272	5.366	5.351	5.407	5.155	5.216	5.044	5.167	5.262	5.644	5.574	5.475	5.353	5.175	5.475	5.558	5.498	5.695
1423006	at	Pim1	NM	008842	Mm.328931	17	7.227	6.834	7.062	7.211	6.939	7.132	7.040	6.936	7.000	6.733	7.074	7.080	7.032	7.079	7.081	7.171	6.935	6.814	7.071	7.225	6.991	6.886	7.053	7.478
1423007	a at	Gfra2	NM	008115	Mm.390095	18	6.195	6.086	6.909	6.636	6.421	6.819	6.678	6.626	6.656	6.572	6.610	6.542	6.597	6.512	6.604	6.541	6.593	6.607	6.542	6.618	6.292	6.686	6.895	6.725
1423008	at	Arf2	NM	007496	Mm.439746	7	4.477	4.613	4.487	4.508	4.457	4.466	4.706	4.634	4.437	4.502	4.423	4.405	4.402	4.454	4.405	4.423	4.526	4.497	4.636	4.521	4.482	4.361	4.482	4.361
1423009	at	Sec1	NM	019934	Mm.56914	7	5.635	5.699	5.601	5.632	5.662	5.498	5.442	5.846	5.696	5.581	5.705	5.649	5.445	5.613	5.514	5.756	5.548	5.565	5.741	5.222	5.690	5.647	5.932	5.559
1423010	at	Sacs	NM	051788	Mm.440703	14	7.208	6.794	7.422	7.183	7.362	7.790	7.495	7.229	7.576	7.960	8.383	7.567	7.476	7.802	7.805	7.511	7.337	7.247	7.568	7.524	7.253	7.175	7.136	7.895
1423011	at	Evi1	NM	007963	Mm.56965	3	4.870	4.768	4.880	4.907	4.580	4.944	4.800	4.994	4.800	4.688	4.940	4.852	5.033	4.997	4.856	4.946	5.100	5.207	4.897	4.863	4.776	4.802	4.858	4.867
1423012	at	Syt7	NM	018801	Mm.182654	19	7.258	7.076	7.268	7.275	7.199	7.198	7.228	7.326	7.375	7.015	7.330	7.238	7.159	7.244	7.026	7.216	7.262	7.260	7.215	7.308	7.285	7.126	7.231	7.140
1423013	at	Foxf1a	NM	010426	Mm.33897	8	7.816	8.304	8.621	8.556	8.465	8.438	8.628	8.631	8.367	8.283	8.259	8.437	8.212	8.523	8.455	8.681	8.744	8.593	8.574	8.695	8.800	8.499	8.685	8.833
1423014	at	Pcdhbb6	NM	053131	Mm.390095	18	6.195	6.112	6.241	6.081	6.089	6.201	6.193	6.164	5.861	6.183	6.215	6.102	6.353	6.214	6.091	6.414	6.309	6.207	6.168	6.441	6.106	6.056	6.386	6.065
1423015	at	Kirrel	NM	030867	Mm.390095	18	6.195	6.086	6.241	6.081	6.089	6.201	6.193	6.164	5.861	6.183	6.215	6.102	6.353	6.214	6.091	6.414	6.309	6.207	6.168	6.441	6.106	6.056	6.386	6.065
1423016	a at	Gypa	NM	010369	Mm.13123	8	4.630	4.587	4.707	4.744	4.679	4.664	4.512	4.613	4.771	4.662	4.614	4.516	4.538	4.720	4.733	4.638	4.844	4.502	4.671	4.636	4.535	4.582	4.668	4.805
1423017	a at	Il1rn	NM	031167	Mm.882	2	7.742	7.641	7.679	7.720	7.543	7.560	7.728	7.572	7.587	7.730	7.735	7.357	7.497	7.548	7.434	7.534	7.492	7.482	7.569	7.437	7.015	7.015	7.015	7.015
1423018	at	Kcna3	NM	008418	Mm.30640	3	6.723	6.447	6.543	6.489	6.428	6.564	6.608	6.551	6.488	6.372	6.566	6.251	6.570	6.581	6.495	6.735	6.781	6.491	6.538	6.630	6.667	6.765	6.726	6.540
1423019	at	Gid2	NM	010290	Mm.389394	2	7.248	6.770	7.250	7.248	7.715	7.197	7.281	7.323	7.270	7.401	7.220	7.256	7.328	7.435	7.134	7.175	7.262	7.080	7.332	7.323	7.407	7.337	7.282	7.363
1423020	at	Na	NM	053120	NA	NA	7.181	6.885	7.061	6.947	6.973	7.173	7.141	6.964	6.628	6.933	7.066	6.837	6.856	6.899	7.014	7.134	7.049	6.995	7.075	7.337	6.956	6.911	7.005	7.097
1423021	s at	Ins3	NM	013564	Mm.249645	8	9.968	9.994	9.917	10.167	10.120																			

1423070	at	Rpl21	B6922742	Mm.316592	5	7.086	7.190	7.041	7.195	7.000	7.295	7.140	6.970	7.232	7.175	6.968	6.759	7.015	7.206	6.924	7.265	7.093	7.069	7.158	7.310	7.111	6.924	7.281	7.244
1423071	x at	6720475J19Rik	AW549928	Mm.273536	19	12.424	12.341	13.389	13.513	12.665	13.979	13.588	13.184	11.639	12.438	12.316	11.947	12.063	12.501	13.090	13.363	13.537	13.853	13.640	13.894	13.473	13.946	13.787	13.938
1423072	at	6720475J19Rik	AW549928	Mm.273536	19	11.483	11.400	12.268	12.501	11.558	12.888	12.495	12.497	10.307	10.110	10.811	10.940	10.942	11.097	11.918	12.156	12.820	12.891	12.749	12.938	12.862	13.315	12.706	12.805
1423073	at	Cmpk1	BI157572	Mm.294159	4	11.180	11.639	11.192	11.061	11.320	11.419	11.347	11.395	11.577	11.612	11.547	11.385	11.568	11.734	11.514	11.164	11.112	11.203	11.462	11.351	11.131	11.170	11.253	11.211
1423074	at	Lman2	Mm.38686	Mm.38686	13	9.261	9.299	9.426	9.470	9.283	9.549	9.367	9.365	9.230	9.366	9.156	9.368	9.251	9.421	9.326	9.432	9.396	9.363	9.456	9.490	9.310	9.191	9.455	9.563
1423075	at	Lman2	Mm.38686	Mm.38686	13	9.458	10.359	9.739	9.738	9.998	9.873	9.515	9.444	9.974	9.870	9.885	9.627	9.803	10.003	9.665	9.814	9.794	10.077	9.942	10.025	9.761	9.852	7.949	9.849
1423076	at	Snx9	BB703513	Mm.89515	17	9.346	9.743	9.422	9.511	9.629	9.465	9.310	9.504	10.052	9.833	9.732	9.704	9.872	9.732	9.532	9.472	9.581	9.402	9.405	9.320	9.220	9.542	9.293	9.229
1423077	at	Snx9	BB703513	Mm.89515	17	9.115	9.684	9.240	9.228	9.167	9.098	8.971	8.643	9.691	9.361	9.573	8.984	9.209	9.469	9.130	9.196	8.881	8.810	9.039	9.114	8.857	8.679	8.965	8.939
1423078	a at	Sc4mol	AK005441	Mm.30119	8	8.100	8.974	8.122	8.238	8.173	8.235	8.258	7.937	8.758	8.738	8.763	8.114	8.047	8.991	7.909	8.217	8.083	8.013	8.191	7.988	7.876	8.022	7.747	7.841
1423079	a at	Tomm20	AK002902	Mm.6932	8	13.157	13.181	13.010	13.008	12.908	12.926	13.176	13.230	13.063	12.966	13.169	12.928	12.859	13.173	12.887	13.033	13.084	13.042	12.873	12.868	13.202	13.082	13.062	12.938
1423080	at	Tomm20	AK002902	Mm.6932	8	10.569	10.974	10.249	10.324	10.328	10.281	10.430	11.237	10.663	10.329	10.151	10.567	10.343	10.453	10.135	10.300	11.101	10.783	10.248	10.173	10.940	11.031	10.159	10.107
1423081	a at	Tomm20	AK002902	Mm.6932	8	9.417	9.573	9.610	9.073	9.862	9.187	9.189	9.215	9.241	9.244	9.398	8.814	8.831	9.575	9.083	9.414	9.027	9.085	9.139	9.119	8.946	9.076	9.181	9.242
1423082	at	Dev1	AW545361	Mm.289387	15	8.874	9.677	9.944	9.017	9.340	9.177	9.049	8.692	9.679	8.991	9.182	9.362	9.562	9.480	9.274	9.077	8.774	9.192	9.364	9.206	8.949	8.691	8.988	9.018
1423083	at	Rab33b	AK004974	Mm.472788	3	9.762	9.928	9.837	9.683	9.729	9.828	9.866	9.781	10.041	10.089	9.928	10.044	10.031	9.956	10.043	9.823	9.726	9.794	9.766	9.701	9.753	9.804	9.744	9.996
1423084	at	B3aalt2	BB223909	Mm.285580	1	5.385	4.913	4.978	4.533	4.870	5.055	5.593	5.740	4.416	4.935	5.890	5.404	4.765	4.918	5.417	4.964	5.372	4.954	4.664	4.867	5.141	5.511	4.518	5.641
1423085	at	Efnb3	B0175608	Mm.249637	11	11.302	9.677	11.334	11.435	9.669	11.037	10.850	10.152	8.248	8.882	9.814	9.643	9.141	9.078	10.106	11.432	11.079	11.040	11.194	10.960	10.926	11.149	11.211	10.868
1423086	at	Npc1	BB769209	Mm.3484	18	8.802	8.636	8.728	8.991	8.787	9.099	8.806	8.596	8.633	8.716	8.133	8.747	8.656	8.765	8.904	8.878	8.955	8.944	9.134	9.133	8.984	9.330	9.060	9.274
1423087	a at	Pickle4	BB453951	Mm.188339	17	9.868	10.384	9.591	9.640	9.872	9.628	9.862	10.309	10.659	9.993	9.735	10.100	10.164	9.753	9.612	9.595	10.517	10.245	9.877	9.634	10.454	9.544	9.401	9.462
1423088	at	Tmod3	AK017725	Mm.38445	9	9.379	9.995	9.613	9.443	9.626	9.508	9.364	9.803	9.889	9.876	9.996	9.753	9.729	9.951	9.828	9.645	9.086	9.040	8.951	8.902	9.229	9.482	9.368	9.314
1423089	at	Tmod3	AK017725	Mm.38445	9	6.709	7.377	6.963	6.484	6.737	6.819	6.505	6.912	6.891	7.113	7.230	6.830	6.745	7.513	7.013	6.906	6.034	5.915	6.250	6.325	6.292	6.441	6.851	6.819
1423090	x at	ENSUSUG500000	AV216331	NA	9	9.449	10.063	9.176	9.169	9.625	9.030	9.131	10.124	10.280	9.847	9.793	9.528	9.624	9.426	9.129	9.029	10.198	9.726	9.236	9.147	9.215	10.116	9.024	8.821
1423091	a at	Gcm6b	AK016567	Mm.222320	x	9.061	9.476	9.029	9.181	10.043	9.516	9.400	9.445	10.124	10.423	9.549	10.077	10.182	9.907	9.899	9.894	8.375	8.801	9.171	8.376	8.677	8.976	8.666	8.985
1423092	at	Incpno	BI410774	Mm.29755	19	7.512	8.480	7.428	7.656	7.883	7.637	7.673	8.450	8.151	8.125	8.321	7.720	7.790	8.391	7.660	7.562	7.621	7.574	7.530	7.562	7.399	7.388	7.747	7.415
1423093	at	Incpno	BI410774	Mm.29755	19	7.627	7.429	7.417	7.604	7.493	7.284	7.585	7.485	7.447	7.414	7.486	7.266	7.439	7.492	7.330	7.578	7.458	7.460	7.459	7.514	7.653	7.377	7.515	7.615
1423094	at	Crbn	AV156594	Mm.290085	6	9.445	9.296	9.832	9.399	9.309	9.628	9.326	9.011	9.345	9.701	8.993	9.648	9.529	9.439	9.718	9.816	9.332	9.362	9.574	9.584	9.688	9.449	9.810	9.649
1423095	s at	Crbn	AV156594	Mm.290085	6	10.543	10.204	10.913	10.461	10.343	10.606	10.490	10.259	10.221	10.595	9.991	10.657	10.544	10.376	10.780	10.834	10.547	10.478	10.585	10.756	10.569	10.695	10.957	10.752
1423096	at	Capn7	Mm.201535	Mm.201535	14	10.549	10.566	10.173	10.665	10.376	10.606	10.490	10.259	10.221	10.595	9.991	10.657	10.544	10.376	10.780	10.834	10.547	10.478	10.585	10.756	10.569	10.695	10.957	10.752
1423097	at	Capn7	BQ257745	Mm.201535	14	10.549	10.566	10.173	10.665	10.376	10.606	10.490	10.259	10.221	10.595	9.991	10.657	10.544	10.376	10.780	10.834	10.547	10.478	10.585	10.756	10.569	10.695	10.957	10.752
1423098	at	Capn7	BQ257745	Mm.201535	14	9.519	9.484	9.762	9.740	9.581	9.771	9.652	9.379	9.254	9.478	9.439	9.505	9.541	9.463	9.636	9.840	9.708	9.521	9.858	9.950	9.547	9.729	9.716	9.763
1423099	a at	Mettl3	AW556332	Mm.271759	14	9.233	9.414	9.267	9.229	9.215	9.011	9.212	9.179	9.195	9.406	9.152	9.331	9.340	9.296	9.141	9.093	9.549	9.510	9.203	9.245	9.246	9.357	9.190	9.134
1423100	at	Fos	AV026617	Mm.246513	12	11.369	10.459	10.576	8.379	9.391	10.120	10.806	8.087	9.764	9.310	13.307	8.680	9.134	1.185	9.302	10.665	7.044	7.442	8.490	7.474	8.047	7.614	9.160	9.649
1423101	at	Pacr4	BB279185	Mm.274942	17	8.581	9.361	8.661	8.813	8.970	8.782	8.636	9.016	9.246	9.227	8.833	9.224	8.903	8.804	9.036	8.688	8.577	9.041	8.759	8.666	8.717	8.555	8.862	8.504
1423102	a at	Rnf10	AI746548	Mm.30051	5	10.992	10.504	10.835	10.772	10.888	10.747	10.810	10.797	10.242	10.451	10.602	10.493	10.473	10.449	10.587	10.984	10.793	10.746	10.677	10.809	10.662	10.839	10.657	10.799
1423103	at	Rfx5	BB392192	Mm.24008	3	8.663	8.552	8.944	8.865	8.756	9.035	9.152	8.564	8.706	8.710	8.563	8.736	8.907	8.962	8.828	8.904	8.760	8.822	9.131	8.931	8.504	8.730	8.667	8.752
1423104	at	Yeat4	BB343584	Mm.233529	10	9.998	10.364	9.795	10.010	10.195	10.034	9.939	10.034	10.113	10.112	10.058	10.163	9.968	10.185	10.015	9.813	10.107	10.051	10.042	9.929	10.028	10.079	9.940	9.983
1423106	at	Yeat2b	AK010432	Mm.397314	11	12.502	11.862	12.697	12.529	12.329	12.569	12.572	12.032	11.583	11.921	11.885	12.055	12.016	11.827	12.352	12.713	12.463	12.469	12.777	12.732	12.484	12.592	12.852	12.785
1423107	at	Yeat2b	AK010432	Mm.397314	11	11.710	11.150	11.702	11.690	11.433	11.477	11.330	11.553	11.079	11.240	11.125	11.512	11.295	10.865	11.490	11.772	12.030	11.733	11.655	11.689	11.911	12.077	11.762	11.744
1423108	at	Slc25a20	AV008091	Mm.29666	9	12.498	11.945	12.700	12.560	11.958	12.644	12.521	12.137	11.452	11.708	11.875	11.892	11.728	11.926	12.252	12.734	12.401	12.378	12.617	12.528	12.349	12.449	12.599	12.780
1423109	s at	Slc25a20	AV008091	Mm.29666	9	11.647	10.920	12.004	11.702	11.921	11.924	11.709	11.029	10.084	10.713	10.118	10.791	10.652	10.906	10.187	11.895	11.396	11.447	11.842	11.896	11.442	11.430	11.916	12.088
1423110	at	Colla2	BF227507	Mm.277792	6	10.371	12.918	10.110	10.528	13.265	11.604	10.246	11.916	14.082	13.946	12.061	13.252</												

1423159	at	Did	AI647805	Mm.3131	12	12.516	12.055	12.704	12.596	12.116	12.555	12.562	12.462	11.684	11.908	12.079	12.133	11.690	11.893	12.261	12.661	12.615	12.479	12.519	12.459	12.687	12.716	12.515	12.683
1423160	at	Spre1d	BO044290	Mm.245890	2	9.388	10.081	9.508	9.335	9.717	9.637	9.671	9.598	10.265	10.191	10.650	9.971	9.964	10.098	10.092	9.434	9.143	9.065	9.061	9.230	9.243	9.187	9.571	9.602
1423161	s at	Spre1d	BO044290	Mm.245890	2	8.236	9.094	9.714	8.145	8.536	8.389	8.282	8.331	8.934	9.044	9.557	8.750	8.747	9.094	8.735	8.175	7.322	7.655	7.669	8.005	7.768	7.764	8.418	8.620
1423162	s at	Spre1d	BO044290	Mm.245890	2	7.708	8.228	7.512	7.810	8.142	7.807	7.726	7.263	8.343	8.433	8.643	8.606	8.415	8.240	8.129	7.523	7.960	7.727	7.678	7.802	7.808	7.751	7.891	7.877
1423163	at	Bta1	AI322426	Mm.7405	17	9.730	9.711	9.920	8.951	8.745	8.591	8.735	8.789	8.796	8.690	8.602	8.791	8.789	8.648	8.747	8.712	8.715	9.012	8.908	8.737	9.056	8.957	8.823	8.704
1423164	at	Sp137b-ps	AK010724	Mm.263635	13	8.031	8.233	8.187	8.208	8.149	8.007	8.087	8.130	8.363	8.400	8.175	8.162	8.216	8.282	8.113	8.197	8.176	8.164	8.004	8.192	8.008	8.098	8.084	8.067
1423165	a	Mta2	AV296905	Mm.25339	19	8.462	8.624	8.179	8.453	8.688	8.284	8.483	8.947	8.852	8.695	8.737	8.658	8.770	8.533	8.440	8.350	8.897	8.799	8.622	8.592	8.799	8.826	8.847	8.187
1423166	at	Cd36	BB534670	Mm.18628	5	14.067	13.219	14.251	13.972	13.603	14.102	14.104	13.069	13.117	13.673	13.430	13.339	13.463	13.633	13.969	14.388	13.217	13.685	14.106	14.101	13.367	13.252	14.095	14.330
1423167	at	Mobk13	BM937050	Mm.291037	1	10.057	10.090	9.946	9.731	9.698	9.780	9.952	9.903	9.676	9.986	9.893	9.961	9.845	10.006	9.915	9.935	9.821	9.719	10.089	9.776	9.941	9.939	9.921	9.909
1423168	at	Mobk13	BM937050	Mm.291037	1	9.582	9.530	9.893	9.585	9.485	9.733	9.656	9.250	9.599	9.768	9.609	9.504	9.537	9.726	9.821	9.806	9.291	9.622	9.795	9.727	9.355	9.188	9.737	9.752
1423169	at	Taf7	AV213552	Mm.236009	18	6.931	6.229	6.552	6.698	6.012	6.266	6.797	6.028	5.791	6.024	6.657	5.773	5.464	5.810	6.372	6.834	5.987	6.029	6.294	6.579	6.524	6.631	6.717	7.233
1423170	at	Taf7	AV213552	Mm.236009	18	7.523	7.191	7.360	7.415	7.055	7.384	7.547	7.462	6.735	6.808	7.689	7.130	6.885	6.590	7.203	7.333	8.016	7.715	7.428	7.494	7.677	7.910	7.407	7.475
1423171	at	Gor8	BE947345	Mm.40025	3	4.582	4.426	4.480	4.548	4.508	4.599	4.561	4.503	4.463	4.546	4.556	4.489	4.459	4.407	4.866	4.611	4.648	4.660	4.878	4.643	4.462	4.534	4.683	4.560
1423172	at	Naob	BB147418	Mm.274308	2	5.302	5.414	5.412	5.332	5.396	5.652	5.335	5.563	5.433	5.294	5.444	5.553	5.563	5.479	5.365	5.436	5.683	5.309	5.400	5.417	5.727	5.730	5.396	5.358
1423173	at	Naob	BB147418	Mm.274308	2	6.310	6.442	6.665	6.624	6.682	6.411	6.620	6.661	6.756	6.663	6.639	6.805	6.940	6.670	6.749	6.368	6.904	6.576	6.759	6.581	6.537	6.892	6.543	6.256
1423174	a at	Pard6b	BE953582	Mm.292834	2	5.018	5.662	4.420	4.835	4.947	4.904	4.908	5.125	5.632	5.233	6.081	5.365	5.469	5.407	5.294	4.731	4.495	4.835	4.851	4.564	4.715	5.073	5.087	5.055
1423175	s at	Pard6b	BE953582	Mm.292834	2	5.295	6.195	5.503	5.548	6.126	5.586	5.373	6.322	6.490	6.013	6.998	6.112	6.143	6.004	6.142	5.523	5.656	5.572	5.510	5.378	5.809	5.579	5.749	6.022
1423176	at	Tob1	BO266486	Mm.259673	11	10.264	10.399	10.335	10.345	10.183	10.251	10.205	10.416	10.201	10.411	9.517	10.283	10.088	9.934	10.404	10.238	10.236	10.261	10.231	10.029	10.419	10.458	10.510	10.070
1423177	a at	Abn1	AW912678	Mm.205647	2	9.941	10.679	9.953	9.966	10.259	10.154	10.019	9.932	10.591	10.724	10.345	10.388	10.532	10.649	10.348	10.083	9.588	9.728	9.888	9.708	9.766	9.852	10.009	9.997
1423178	at	Abn1	AW912678	Mm.205647	2	4.468	4.295	4.264	4.189	4.286	4.459	4.282	4.800	4.554	4.233	4.520	4.379	4.461	4.555	4.394	4.353	4.338	4.351	4.384	4.355	4.483	4.489	4.327	4.440
1423179	at	Kcnb1	BB324482	Mm.387390	2	7.568	7.840	7.309	7.776	8.061	7.774	7.610	8.205	7.638	7.747	7.318	8.269	7.903	7.373	7.778	7.565	8.599	8.392	8.042	7.950	8.092	8.361	7.870	7.833
1423180	at	Kcnb1	BB324482	Mm.387390	2	8.680	8.656	8.932	9.235	9.044	9.183	9.033	8.698	8.532	8.699	8.719	9.215	8.888	8.677	9.061	8.963	9.090	9.544	9.441	9.362	9.296	9.156	9.133	9.184
1423181	s at	Clns1a	AK011789	Mm.21482	7	9.831	10.321	9.971	9.987	9.879	10.077	10.059	10.042	10.021	9.959	10.024	9.967	9.850	10.214	9.927	9.928	10.125	10.070	10.088	10.028	9.906	10.027	9.931	9.812
1423182	at	Tnfrs13b	AK004668	Mm.265915	11	6.178	6.835	6.160	6.227	6.296	6.329	6.087	5.953	7.136	7.052	6.221	6.224	6.344	7.138	6.147	6.219	6.086	6.254	6.106	6.142	6.107	6.027	6.032	6.164
1423183	at	Lql1	BB314774	Mm.298251	19	6.176	5.228	6.772	6.942	5.614	7.283	7.039	5.798	4.529	4.546	5.235	5.077	4.909	5.139	5.361	6.639	5.959	6.386	5.816	6.031	6.470	6.737	6.065	6.681
1423184	at	Htsn2	AI326108	Mm.341204	12	8.922	9.255	8.518	8.805	8.987	8.483	8.409	9.163	8.995	9.010	8.811	9.272	9.108	8.791	8.765	8.374	8.886	8.734	8.421	8.410	8.852	9.217	8.882	8.534
1423185	a at	Ubr1	Mm.913295	Mm.30704	10	9.730	9.711	9.920	8.951	8.745	8.591	8.735	8.789	8.796	8.690	8.602	8.791	8.789	8.648	8.747	8.712	8.715	9.012	8.908	8.737	9.056	8.957	8.823	8.704
1423186	at	Tiam2	BM228957	Mm.137113	17	6.098	5.537	6.104	6.206	6.019	6.084	5.994	6.322	6.665	6.455	6.001	6.107	6.214	6.200	6.587	6.884	5.724	5.876	5.728	5.728	5.728	5.728	5.881	6.343
1423187	at	Gabara1p2	BF160931	Mm.371666	8	10.704	10.895	10.558	10.591	10.794	10.676	10.550	10.721	11.090	10.106	10.820	11.026	11.025	10.789	10.680	10.534	10.808	10.835	10.754	10.600	10.802	10.782	10.505	10.447
1423188	a at	6720456B07Rik	BI456243	Mm.28077	6	10.958	11.437	11.013	11.252	11.442	11.137	11.075	11.119	11.679	11.413	11.101	11.636	11.457	11.417	11.399	11.117	11.160	11.272	11.086	11.089	11.225	11.173	10.994	10.925
1423189	at	6720456B07Rik	BI456243	Mm.28077	6	10.411	11.144	10.504	10.823	10.959	10.739	10.644	10.513	11.105	11.052	10.727	10.947	10.949	10.942	10.774	10.517	10.627	10.722	10.710	10.602	10.718	10.677	10.484	10.485
1423190	at	1810020G14Rik	BF166756	Mm.439970	12	5.102	4.979	5.129	5.057	4.966	5.089	5.159	4.966	4.958	4.809	4.756	4.751	4.802	5.028	4.955	5.360	5.000	5.221	5.221	5.166	5.074	4.921	5.033	5.062
1423191	at	Fnbp4	AK013152	Mm.475993	2	8.214	8.326	8.366	8.312	8.200	8.421	8.246	8.258	8.324	8.375	8.377	8.323	8.276	8.548	8.364	8.239	8.293	8.170	8.480	8.373	8.194	8.343	8.106	8.323
1423192	at	Pspc1	BB590675	Mm.20129	14	8.343	8.622	8.515	8.362	8.431	8.437	8.642	8.186	8.423	8.553	8.443	8.372	8.378	8.619	8.546	8.645	8.202	8.358	8.412	8.366	8.108	8.249	8.414	8.355
1423193	at	Pspc2	BB590675	Mm.20129	14	6.859	7.139	6.675	6.665	6.512	6.768	6.555	10.393	6.839	6.734	6.623	6.526	6.723	7.153	6.672	6.821	6.813	6.981	6.808	6.813	6.508	6.508	6.528	6.528
1423194	at	Arhaqp5	BM248774	Mm.35059	12	8.400	8.375	8.539	8.352	8.414	8.632	8.334	8.552	8.116	8.342	8.034	8.397	8.333	8.031	8.303	8.462	8.772	8.597	8.549	8.555	8.508	8.733	8.411	8.586
1423195	at	Hiat1	BM208582	Mm.280077	3	9.063	9.494	9.397	9.216	9.325	9.329	9.339	9.168	9.284	9.485	9.464	9.425	9.229	9.501	9.512	9.420	9.073	9.150	9.321	9.092	9.208	9.399	9.484	9.656
1423196	at	Nedd1	BB829652	Mm.2998	10	7.743	7.404	7.767	7.608	7.331	7.796	7.912	7.696	7.173	7.310	7.097	7.609	7.582	7.662	7.220	7.788	7.146	7.318	7.376	7.420	7.157	7.172	7.151	7.097
1423197	a at	SmeK2	AV305633	Mm.276386	11	7.728	7.686	7.753	7.591	7.708	7.794	7.700	7.829	7.506	7.724	7.350	7.613	7.744	7.698	7.861	7.769	7.594	7.814	7.693	7.683	7.868	7.703	7.818	7.818
1423198	a at	SmeK2	AV305633	Mm.276386	11	7.114	7.096	7.334	7.185	6.987	7.176	7.186	7.123	6.790	7.232	7.035	7.154	7.052	7.161	7.428	7.290	7.036	7.004	7.178	7.224	7.023	7.175	7.207	7.277
1423199	at	Brd3	BG072367	Mm.28721	2	6.183																							

1423248	at	Nktr	BB317504	Mm.32842	9	9.429	9.269	9.219	9.345	9.352	9.292	9.294	8.904	9.376	9.426	9.249	9.355	9.421	9.378	9.382	9.394	9.158	9.166	9.279	9.223	9.182	9.276	9.506	9.417	
1423249	at	Nktr	BB317504	Mm.32842	9	9.236	9.385	9.308	9.227	9.189	9.302	9.271	8.916	9.258	9.321	9.039	9.233	9.232	9.329	9.201	9.370	8.804	9.053	9.233	9.178	8.864	9.114	9.274	9.192	
1423250	a at	Tufb2	BF144658	Mm.18213	1	8.453	10.365	8.084	8.785	9.866	8.515	8.295	10.297	10.771	10.128	10.446	10.822	11.028	10.746	10.321	7.918	8.683	8.543	8.353	7.671	8.310	8.663	7.170	7.930	
1423251	at	Lcu7i2	BG075618	Mm.276133	6	10.507	10.217	10.536	10.412	10.494	10.409	10.399	9.944	8.910	10.067	9.751	10.101	10.072	10.226	10.233	10.451	10.127	10.160	10.298	10.226	9.972	10.163	10.289	10.197	
1423252	at	Hdfrf3	BB291980	Mm.302934	7	8.108	8.280	8.078	8.220	8.139	8.137	8.107	8.126	8.258	8.111	8.110	8.249	8.169	8.135	8.048	8.367	8.153	8.065	8.144	8.011	8.049	8.143	8.006		
1423253	at	Mp	AI385614	Mm.99934	7	7.969	6.954	6.958	6.945	6.962	6.947	6.922	6.945	6.758	6.924	6.909	6.92	6.927	6.894	6.859	6.861	6.847	7.030	6.921	6.715	6.979	7.032			
1423254	x at	Rsp27i	BB836796	Mm.30120	9	10.781	11.376	10.244	10.353	10.897	10.459	10.929	11.312	11.507	11.161	10.877	11.095	11.008	10.976	10.604	10.232	11.166	11.136	10.766	10.672	11.11	11.223	10.951	10.381	
1423255	at	Atp6v1q1	BI154058	Mm.371615	4	11.441	11.358	10.562	10.786	11.482	10.954	10.619	11.351	11.635	11.482	11.383	11.407	11.339	10.547	11.208	10.463	11.870	11.649	11.417	11.405	11.663	11.321	10.997	10.317	
1423256	a at	Atp6v1q1	BI154058	Mm.371615	4	12.755	12.553	12.571	12.395	12.609	12.600	12.474	12.410	12.603	12.859	12.523	12.628	12.367	12.844	12.525	12.454	12.594	12.775	12.658	12.513	12.418	12.737	12.518		
1423257	at	Cyp4a14	AI327006	Mm.250991	4	5.224	4.978	5.183	5.221	5.202	4.999	5.174	5.366	5.161	5.053	5.212	5.140	5.332	5.260	5.203	5.264	5.158	5.305	5.238	5.203	5.199	5.166	5.224	5.165	
1423258	at	Syt9	BB559861	Mm.302793	7	5.146	4.766	5.148	5.011	4.838	5.241	5.130	4.928	4.844	4.752	5.111	4.688	5.142	4.947	5.124	5.092	4.931	5.043	4.994	5.055	5.021	4.838	4.935	5.126	
1423259	at	Id4	BB121406	Mm.458006	13	5.928	6.268	5.971	6.149	7.027	6.827	6.273	6.712	7.102	7.452	7.149	7.063	7.068	6.406	6.528	6.036	6.524	6.932	6.395	5.912	6.341	6.301	6.183	5.810	
1423260	at	Id4	MM.458006	13	7.231	7.150	6.979	7.252	7.137	7.161	7.132	7.298	7.162	7.097	7.291	7.515	7.390	6.894	7.034	7.147	7.188	7.179	7.106	7.058	6.962	7.019				
1423261	at	150004F10Rik	BB426248	Mm.50109	1	6.138	6.204	6.090	6.111	7.663	6.643	5.722	6.878	7.444	7.439	6.597	8.602	9.136	6.326	7.614	5.910	6.158	6.851	6.262	6.273	6.696	6.232	6.201	6.117	
1423262	a at	H3f3a	BI111967	Mm.138832	1	11.992	12.015	11.885	12.179	12.212	12.084	11.961	12.245	12.142	12.021	12.042	12.294	12.180	11.941	12.060	11.989	12.402	12.211	12.049	11.945	12.419	12.542	12.014	11.832	
1423263	a at	H3f3a	BI111967	Mm.138832	1	11.768	11.819	11.346	11.793	11.911	11.593	11.660	12.239	11.812	11.667	11.747	12.193	11.926	11.534	11.527	11.148	12.400	12.045	11.685	11.440	12.198	12.481	11.468	11.368	
1423264	at	Bop1	BM213936	Mm.4283	15	8.911	9.517	8.819	8.898	9.188	8.835	8.835	8.925	9.286	9.233	9.259	9.174	9.136	9.272	8.922	8.799	8.910	9.071	8.912	8.873	8.981	8.771	8.778	8.872	
1423265	at	Minnp1	BB836564	Mm.255116	19	8.776	9.360	8.719	8.866	9.216	8.948	8.854	8.547	9.282	9.261	9.008	9.069	9.146	9.422	8.939	8.809	8.619	8.971	8.924	8.764	8.577	8.576	8.801	8.724	
1423266	at	Zf10405K02Rik	AI936188	Mm.41868	4	12.379	12.667	12.536	12.645	12.337	12.883	12.611	12.911	11.931	12.207	12.436	12.969	12.570	12.368	12.470	12.557	12.071	12.291	11.994	12.285	12.654	12.344	12.032	11.985	
1423267	s at	Itqa5	BB493533	Mm.16234	15	7.825	8.804	7.437	7.426	7.770	7.161	7.403	8.280	8.797	8.518	9.097	8.029	8.208	7.870	7.837	7.533	7.664	7.251	7.200	7.274	7.638	7.543	7.334	7.513	
1423268	at	Itqa5	BB493533	Mm.16234	15	6.961	6.801	6.729	6.748	6.739	6.517	6.783	6.867	7.067	6.788	7.149	6.782	6.762	7.033	6.834	6.777	6.641	6.536	6.809	6.800	6.685	6.450	6.723	6.750	
1423269	a at	Nedd4l	BB663717	Mm.98668	18	9.630	9.885	9.580	9.913	10.008	9.763	9.574	9.581	9.876	9.869	9.919	9.870	9.818	9.657	9.882	9.730	9.920	9.827	9.687	9.871	9.769	10.008	9.773	9.768	
1423270	at	Nedd4l	BB663717	Mm.98668	18	5.612	5.379	5.584	5.549	5.464	5.589	5.672	5.633	5.437	5.468	5.500	5.502	5.568	5.518	5.614	5.493	5.624	5.338	5.529	5.640	5.473	5.440	5.698		
1423271	at	Glb2	AV239646	Mm.390683	14	6.809	6.117	6.738	6.541	6.406	6.615	6.621	6.480	6.340	6.562	6.686	6.463	6.397	6.509	6.502	6.850	6.662	6.746	6.782	7.008	6.677	6.455	6.727	6.888	
1423272	at	Polg	BM934958	Mm.3616	7	9.845	9.906	9.827	9.939	9.593	9.605	9.611	9.791	9.625	9.621	9.736	9.683	9.771	9.705	9.667	9.758	9.878	10.067	9.917	9.865	9.990	10.043	9.999	10.166	10.133
1423273	at	Polg	BM934958	Mm.3616	7	8.064	8.382	8.000	8.143	8.163	7.926	8.124	8.125	8.245	8.333	8.341	8.118	8.084	8.107	8.069	8.005	8.449	8.193	8.135	8.018	8.167	8.340	8.280	8.221	
1423274	at	E130113E03Rik	EL381966	Mm.27288	14	8.108	10.556	8.127	8.446	9.959	9.053	8.674	9.149	10.768	9.139	10.107	10.420	9.737	9.859	8.707	8.765	8.443	8.633	8.763	8.443	8.633	8.763	8.443	8.633	
1423275	at	E130113E03Rik	BB381966	Mm.27288	14	8.174	8.358	8.304	8.234	8.297	8.358	8.290	8.161	8.070	8.293	8.294	8.201	8.438	8.182	8.311	8.224	8.042	8.282	8.440	8.261	8.438	8.131	8.206	8.661	
1423276	at	Idl1r	BG084606	Mm.17807	16	4.680	4.327	4.512	4.602	4.753	4.677	4.720	4.630	4.705	4.524	4.759	4.689	4.530	4.583	4.568	4.572	4.651	4.424	4.670	4.720	4.532	4.413	4.287	4.621	
1423277	at	Ptprk	AI893646	Mm.332303	10	8.726	9.069	8.623	8.731	9.300	8.813	8.672	9.052	9.499	9.373	8.859	8.969	8.951	9.072	8.869	8.974	8.741	9.070	8.694	8.697	8.967	8.764	8.824		
1423278	at	Ptprk	AI893646	Mm.332303	10	8.407	8.336	8.457	8.257	8.412	8.502	8.384	8.341	8.306	8.517	8.299	8.275	8.428	8.405	8.280	8.476	8.321	8.306	8.412	8.290	8.325	8.407	8.501	8.387	
1423279	at	Slc34a1	AI788646	Mm.276355	13	5.706	5.556	5.746	5.766	5.615	5.868	5.787	5.797	5.948	5.762	6.047	5.826	5.835	5.776	5.802	5.758	5.780	5.641	5.852	5.671	5.788	5.870	5.828	5.939	
1423280	at	Stmn2	BM115022	Mm.29580	3	8.828	7.933	8.438	8.157	8.176	8.049	8.124	8.241	7.919	8.159	8.080	8.191	8.088	8.147	8.059	8.537	8.165	7.991	8.182	8.044	8.209	8.375	8.319	8.211	
1423281	at	Stmn2	BM115022	Mm.29580	3	6.835	6.714	6.792	6.367	6.859	6.391	6.029	7.594	7.043	7.028	6.738	7.416	6.988	6.518	6.431	6.842	7.497	6.798	6.551	5.803	7.169	7.447	6.511	6.514	
1423282	at	Pitna	BB365832	Mm.28283	19	9.954	10.833	9.127	9.446	9.956	9.224	9.446	9.956	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	9.922	
1423283	at	Pitna	AA239637	Mm.3128	11	9.948	10.986	10.104	10.039	10.295	10.169	10.136	10.225	10.866	10.685	10.510	10.425	10.479	10.873	10.273	10.152	9.974	9.884	10.124	9.901	9.946	10.026	10.088	10.160	
1423284	at	Mansc1	AK002644	Mm.57648	6	5.565	5.911	5.666	5.729	5.663	5.601	5.625	5.746	5.719	6.162	5.756	5.843	5.750	5.762	5.673	5.533	5.636	5.790	5.680	5.828	5.427	5.599	5.487	5.343	
1423285	at	Coch	BB731671	Mm.21325	12	6.763	6.314	6.627	6.574	6.644	6.616	6.531	6.654	6.626	6.455	6.654	6.658	6.570	6.557	6.504	6.671	6.571	6.608	6.522	6.571	6.683	6.516	6.557	6.621	
1423286	at	Cbln1	AA016422	Mm.4880	8	7.502	7.049	7.427	7.635	7.738	7.212	7.551	7.694	7.357	7.298	7.494	7.261	7.157	7.365	7.213	7.525	7.531	7.427	7.579	7.552	7.634	7.429	7.717	7.448	
1423287	at	Cbln1	AA016422	Mm.4880	8	4.766	4.444	4.424	4.630	4.506	4.606	4.802	4.601	4.568	4.336	4.652	4.530	4.706	4.443	4.485	4.462	4.643	4.702	4.756	4.890	4.588	4.745	4.732	4.628	
1423288	s at	Cbln1	AA016422	Mm.4880	8	8.343	7.891	8.376	8.388	8.173	8.201	8.354	8.160																	

1423337	at	Orcl4i	BB775020	Mm.291059	2	7.359	7.303	7.377	7.227	7.262	7.403	7.219	6.941	7.108	7.313	7.117	7.246	7.097	7.247	7.201	7.316	6.923	7.225	7.382	7.109	6.855	6.870	7.155	7.150
1423338	at	Zfp830	AI530149	Mm.29622	11	9.194	9.357	9.220	9.248	9.189	9.205	9.270	9.154	9.268	9.200	9.129	9.167	9.110	9.193	9.264	9.294	9.295	9.365	9.183	9.158	9.140	9.294	9.302	
1423339	s at	Zfp830	AI530149	Mm.29622	11	5.955	6.047	6.736	6.273	6.152	6.158	6.335	5.846	5.897	6.357	5.796	6.000	5.888	6.228	6.349	6.164	6.464	6.229	6.230	6.183	6.690	6.843		
1423340	at	Tcfap2b	AV334599	Mm.137021	1	4.869	4.843	4.788	4.829	4.626	4.427	4.737	4.835	4.677	4.560	5.058	4.666	4.783	4.675	4.678	4.695	5.270	4.743	4.829	4.828	5.062	4.834	4.773	4.808
1423341	at	Cspal1	BQ377873	Mm.41329	9	8.380	9.533	8.588	8.478	9.237	7.808	8.757	9.240	9.713	9.581	9.389	8.420	8.486	9.257	9.351	8.640	8.444	8.701	8.567	8.422	8.838	8.449	8.134	7.994
1423342	at	Bsr1	AI325341	Mm.42241	13	7.266	7.281	7.309	7.225	7.194	7.201	7.284	7.362	7.186	6.998	6.373	6.985	7.297	7.233	7.163	7.122	7.147	7.161	7.233	7.003	7.333	7.390	7.196	7.205
1423343	at	Slco1c1	BB667135	Mm.284495	6	5.560	5.218	5.627	5.508	5.594	5.646	5.604	5.560	5.394	5.357	5.640	5.300	5.345	5.512	5.630	5.825	5.683	5.677	5.974	5.910	5.407	5.687	5.498	5.524
1423344	at	Epqr	AK010968	Mm.2653	9	8.643	8.464	8.494	8.681	8.647	8.332	8.578	8.835	8.592	8.382	8.659	8.599	8.597	8.592	8.664	8.537	8.723	8.443	8.546	8.511	8.778	8.594	8.550	8.427
1423345	at	Deos1	AV286991	Mm.29648	1	10.480	10.970	10.329	10.503	10.718	10.841	10.654	10.698	10.947	10.970	10.750	10.662	10.733	10.919	10.604	10.434	10.733	10.736	10.753	10.711	10.723	10.523	10.457	10.867
1423346	at	Deos1	AV286991	Mm.29648	1	11.744	12.098	11.746	11.775	11.906	12.011	11.940	11.930	11.982	12.092	11.857	11.794	11.809	12.059	11.814	11.700	11.852	11.808	11.845	11.769	11.885	11.844	11.815	11.796
1423347	at	Sec23a	BM232234	Mm.209207	12	10.227	10.666	10.308	10.211	10.345	10.436	10.260	9.982	10.628	10.646	10.151	10.472	10.436	10.607	10.372	10.413	10.061	10.103	10.308	10.312	10.172	10.135	10.387	10.736
1423348	at	Fzd5	AV345166	Mm.184289	18	7.976	8.074	7.906	7.954	8.181	8.182	7.990	7.934	8.248	8.365	8.255	8.571	8.743	7.930	8.538	8.007	7.997	8.108	8.119	8.086	7.999	7.994	7.831	8.102
1423349	at	Soc5	AA510713	Mm.126885	17	8.985	9.287	8.960	9.007	8.899	8.960	8.927	8.733	9.177	9.389	9.717	9.036	9.182	9.372	9.000	9.006	8.581	8.765	8.818	8.844	8.861	8.578	9.057	9.155
1423350	at	Soc5	AA510713	Mm.126885	17	8.906	9.267	9.013	8.972	8.891	8.945	8.987	8.911	9.091	9.286	9.355	9.294	9.064	9.039	9.085	9.071	8.809	8.946	8.930	8.711	8.821	8.975	8.893	9.114
1423351	at	Mmr1	AK010343	Mm.295499	5	8.656	8.417	8.706	8.781	8.475	8.704	8.544	8.459	8.124	8.275	8.403	8.351	8.284	8.238	8.504	8.886	8.535	8.792	8.872	8.682	8.356	8.518	8.441	8.727
1423352	at	Crispld1	BE693025	Mm.289625	1	6.994	6.676	7.062	6.946	6.778	7.120	7.147	7.247	6.973	7.200	6.798	7.763	7.297	6.903	7.407	7.067	7.117	7.078	6.948	7.075	6.832	6.805	6.601	6.624
1423353	at	Crispld1	BE693025	Mm.289625	1	7.433	6.655	7.361	7.191	7.585	7.404	7.187	7.772	7.326	7.449	7.126	8.282	7.373	7.040	7.939	7.308	7.371	7.383	7.363	7.440	7.242	7.223	7.354	7.159
1423354	at	Snao29	BF682880	Mm.271992	16	7.104	7.250	7.026	7.014	7.136	7.038	7.073	7.077	7.103	7.087	7.171	7.093	7.099	7.252	7.019	7.068	6.904	6.911	7.063	7.440	7.069	6.969	7.070	6.923
1423355	at	Snao29	BF682880	Mm.271992	16	7.224	7.603	6.986	7.037	7.152	7.113	6.836	7.418	7.538	7.216	7.212	7.410	7.376	7.083	6.887	6.863	7.298	7.178	6.948	6.817	7.283	7.365	6.909	6.850
1423356	at	Snao29	BF682880	Mm.271992	16	7.966	8.479	7.692	7.829	8.030	7.745	7.790	8.034	8.335	8.070	7.954	7.894	8.170	8.105	7.645	7.894	7.901	7.810	7.612	7.868	7.906	8.226	7.860	7.690
1423357	at	2610209A2ORik	AK013127	Mm.46777	7	8.091	8.320	8.084	8.346	8.258	8.378	8.291	8.473	8.022	8.160	7.951	8.075	8.081	8.018	7.964	8.075	8.600	8.699	8.391	8.417	8.508	8.491	7.945	8.091
1423358	at	Ece2	AK007407	Mm.263319	16	8.427	9.074	8.467	8.423	8.623	8.470	8.591	8.610	9.038	8.935	8.813	8.568	8.572	8.892	8.466	8.428	8.736	8.765	8.824	8.606	8.680	8.379	8.637	8.528
1423359	at	Pln	AK002622	Mm.34145	10	14.490	13.932	14.622	14.519	14.125	14.567	14.529	13.945	13.917	13.979	13.729	13.975	13.849	14.990	14.244	14.601	14.339	14.302	14.547	14.629	14.349	14.305	14.566	14.604
1423360	at	Yme11	BB826168	Mm.23335	2	7.413	7.196	7.558	7.424	7.286	7.705	7.470	7.038	7.306	7.508	7.067	7.217	7.355	7.510	7.408	7.695	7.238	7.265	7.625	7.363	7.302	7.607	7.417	7.365
1423361	at	Yme11	BB826168	Mm.23335	2	8.603	9.230	8.818	8.872	8.802	8.967	8.909	8.621	9.062	9.151	8.729	8.810	8.779	9.157	8.779	8.951	8.720	8.692	9.033	8.789	8.658	8.716	8.729	9.033
1423362	at	Sor1	AV247637	Mm.157119	3	9.753	9.538	9.937	10.064	9.933	10.317	9.919	9.186	9.864	9.856	9.764	9.958	9.986	9.854	10.332	10.085	10.175	10.148	10.288	10.231	9.995	9.954	10.330	10.334
1423363	at	Sor1	AV247637	Mm.157119	3	9.753	9.538	9.937	10.064	9.933	10.317	9.919	9.186	9.864	9.856	9.764	9.958	9.986	9.854	10.332	10.085	10.175	10.148	10.288	10.231	9.995	9.954	10.330	10.334
1423364	at	Av490901	AV490901	Mm.29585	11	8.364	7.975	8.289	8.653	8.417	8.213	8.242	8.444	7.950	8.159	8.134	8.578	8.472	7.870	8.230	8.340	8.902	8.829	8.636	8.578	8.881	8.672	8.448	8.165
1423365	at	Cacna1a	AV490901	Mm.29585	11	8.364	7.975	8.289	8.653	8.417	8.213	8.242	8.444	7.950	8.159	8.134	8.578	8.472	7.870	8.230	8.340	8.902	8.829	8.636	8.578	8.881	8.672	8.448	8.165
1423366	at	Scd3	BE133651	Mm.475970	19	6.368	5.954	6.445	6.427	6.329	6.415	6.595	6.327	6.280	6.083	6.350	6.244	6.490	6.457	6.414	6.593	6.617	6.430	6.719	6.638	6.623	6.478	6.310	
1423367	at	Wnt7a	AK004683	Mm.56964	6	7.011	6.638	6.778	6.683	6.643	6.790	6.606	6.873	6.680	6.324	6.573	6.551	6.532	6.650	6.768	6.703	6.643	6.669	6.772	6.894	6.769	6.608	6.634	6.689
1423368	at	Laprm4a	BI695636	Mm.30071	12	13.032	12.755	13.214	13.164	12.911	13.474	13.388	12.294	12.614	13.116	12.767	12.698	12.953	13.188	13.261	13.322	12.421	12.685	13.277	13.370	12.416	12.504	13.174	13.329
1423369	at	Fmr1	BG172150	Mm.3451	X	8.377	9.095	8.346	8.464	8.671	8.532	8.446	8.470	9.191	9.343	8.878	8.894	8.976	9.057	8.730	8.370	8.170	8.254	8.287	8.093	8.301	8.235	8.392	8.446
1423370	a at	Csnk1a2	AI326320	Mm.29873	10	8.696	8.669	8.383	8.555	8.685	8.494	8.472	9.204	9.575	9.613	8.572	9.809	9.673	9.488	9.613	9.497	9.652	9.783	9.773	9.733	9.674	9.513	9.631	9.416
1423371	at	Pole4	BF577544	Mm.195753	6	8.475	9.276	8.089	8.323	8.655	8.406	8.419	8.818	9.062	8.820	8.609	8.634	8.494	8.856	8.236	8.242	8.886	8.652	8.481	8.283	8.743	8.883	8.223	8.303
1423372	at	Pole4	BF577544	Mm.195753	6	8.475	9.276	8.089	8.323	8.655	8.406	8.419	8.818	9.062	8.820	8.609	8.634	8.494	8.856	8.236	8.242	8.886	8.652	8.481	8.283	8.743	8.883	8.223	8.303
1423373	at	Rpn30	BQ069849	Mm.277891	19	6.950	10.001	9.647	9.564	9.517	9.756	9.742	9.708	9.818	9.714	9.617	9.506	9.431	9.823	9.383	9.534	9.832	9.841	9.991	9.691	9.607	9.747	9.530	9.559
1423374	at	Ncoa6	BF224891	Mm.27592	2	9.177	9.372	9.030	9.201	9.364	9.099	9.048	9.324	9.439	9.390	9.331	9.507	9.435	9.153	9.352	9.106	9.415	9.312	9.299	9.074	9.293	9.503	9.179	9.222
1423375	at	1700023B02Rik	AK005900	Mm.292140	2	8.176	7.879	7.885	8.027	8.131	8.066	7.909	8.248	8.197	8.164	7.637	8.262	8.165	7.875	8.102	7.863	8.456	8.254	8.230	8.149	8.247	8.482	8.805	8.103
1423376	a at	Dok4	AV330394	Mm.203746	8	8.033	8.130	7.914	8.034	8.315	7.979	8.094	8.524	8.178	8.125	8.294	8.452	8.322	8.244	8.253	8.036	8.471	8.315	8.148	8.268	8.430	8.224	8.292	7.998
1423377	at	Igf1bp1	BM935068	Mm.3919	4	7.833	7.435	7.801	7.834	7.670	7.713	7.847	7.679	7.583	7.4														

1423426	at	1300012G16Rik	BB018522	Mm.100065	5	9.141	9.185	9.079	9.193	9.398	9.066	9.022	9.121	9.169	9.160	9.254	9.339	9.226	9.083	9.161	8.995	9.068	9.190	9.014	8.978	9.255	9.283	9.259	9.096	
1423427	at	Adcypa1	AI323434	Mm.3407	17	6.770	6.327	6.666	6.496	6.333	6.433	6.701	6.449	6.509	6.401	6.489	6.348	6.348	6.231	6.549	6.571	6.475	6.471	6.395	6.700	6.612	6.657	6.607	6.727	
1423428	at	Ror2	AV234603	Mm.342774	13	6.659	7.409	6.872	6.182	6.732	6.797	6.748	6.984	7.752	7.591	6.688	6.580	7.337	6.876	7.162	6.949	6.858	6.658	6.783	6.531	6.672	6.746	6.500	6.588	
1423429	at	Mybln1a	BM210473	Mm.423066	X	11	7.979	9.257	7.561	8.255	7.336	7.457	8.101	8.168	8.264	7.794	8.552	8.176	8.185	8.496	8.084	7.559	8.019	7.739	7.671	7.924	8.331	8.293	8.125	7.945
1423430	at	Mybln1a	AV228043	Mm.147946	11	8.384	8.647	8.212	8.449	8.413	8.356	8.350	7.977	8.053	8.270	8.706	8.108	8.237	8.345	8.261	8.345	8.106	8.468	8.498	8.424	8.215	8.094	8.406	8.384	
1423431	a	Mybbp1a	AV228043	Mm.147946	11	9.771	9.881	9.655	9.571	9.616	9.635	9.654	9.510	9.428	9.636	9.435	9.427	9.778	9.245	9.598	9.857	9.731	9.742	9.534	9.742	9.541	9.681	9.625	9.566	
1423432	at	Phip	BB425239	Mm.221688	9	9.170	9.373	9.212	9.242	9.317	9.300	9.109	9.197	9.149	9.120	9.100	9.391	9.399	9.181	9.226	9.110	9.380	9.326	9.232	9.029	9.069	9.378	8.992	8.996	
1423433	at	Trove2	BG069917	Mm.40370	1	9.042	9.415	9.236	9.000	9.091	9.095	9.277	9.173	9.385	9.705	9.140	9.402	9.367	9.477	9.553	9.212	8.623	8.918	9.196	9.116	8.829	8.902	8.839	9.005	
1423434	at	Tead1	BB546942	Mm.28081	7	7.374	7.665	7.530	7.248	7.470	7.443	7.289	7.819	7.874	7.741	7.894	7.370	7.463	7.685	7.544	7.599	7.333	7.403	7.449	7.514	7.390	7.742	7.511	7.605	
1423435	at	Gpc3	AW107802	Mm.22515	X	5.889	5.257	5.575	5.472	5.473	5.393	5.471	5.491	5.615	5.380	5.450	5.412	5.497	5.568	5.480	5.945	5.520	5.495	5.466	5.476	5.624	5.633	5.642	5.594	
1423436	at	Gsta3	AI172943	Mm.394593	1	5.908	5.341	5.903	6.025	5.636	5.869	5.647	5.474	4.875	4.945	5.077	5.411	5.039	5.213	5.263	5.895	5.572	5.152	5.255	5.177	5.878	6.188	5.466	5.421	
1423437	at	Gsta3	AI172943	Mm.394593	1	6.158	5.498	6.548	6.398	5.720	6.398	6.376	5.817	5.501	5.182	5.326	5.467	5.192	5.338	5.601	6.349	5.568	5.527	5.271	5.585	6.116	6.391	5.865	6.013	
1423438	at	Kp1n	AC009746	Mm.41101	7	8.768	8.770	8.609	8.829	8.610	8.747	8.725	8.716	8.601	8.531	8.491	8.643	8.613	8.482	8.710	8.664	8.818	8.999	8.722	8.758	8.828	8.765	8.742	8.809	
1423439	at	Pck1	AW106963	Mm.266867	2	3.705	3.725	3.617	3.893	3.787	3.998	3.805	3.808	3.649	3.736	3.769	3.704	3.828	3.737	3.761	3.779	3.820	4.057	4.205	3.813	3.857	4.010	3.763	3.918	
1423440	at	11100001A07Rik	AK003196	Mm.45008	11	8.193	8.486	8.289	8.436	8.199	8.544	8.310	7.996	8.329	8.575	8.461	8.196	8.092	8.562	8.377	8.404	8.857	7.929	8.177	8.191	8.045	7.870	8.298	8.308	
1423441	at	Tfb2m	AV003728	Mm.293529	1	10.924	10.635	11.266	11.021	10.546	11.075	10.966	10.525	10.083	10.351	10.455	10.556	10.466	10.591	10.654	11.245	10.878	10.875	11.073	11.089	10.891	10.890	11.095	11.165	
1423442	a	Fbxw2	BE854125	Mm.4465	2	9.584	9.546	9.560	9.503	9.479	9.725	9.560	9.635	9.346	9.484	9.432	9.519	9.663	9.519	9.715	9.585	9.664	9.391	9.571	9.595	9.422	9.579	9.660	9.607	
1423443	at	Slc4a8	BB183341	Mm.209856	15	6.502	6.372	6.348	6.484	6.358	6.329	6.220	6.591	6.392	6.345	6.416	6.247	6.434	6.449	6.421	6.349	6.476	6.410	6.264	6.263	6.463	6.449	6.414	6.455	
1423444	at	Rock1	BI662863	Mm.6710	18	10.683	10.735	10.487	10.614	10.749	10.690	10.505	10.718	10.538	10.645	10.365	10.765	10.651	10.370	10.484	10.384	10.807	10.561	10.466	10.159	10.560	10.966	10.477	10.476	
1423445	at	Rock1	BI662863	Mm.6710	18	9.350	9.550	9.692	9.709	9.686	9.882	9.588	9.171	9.198	9.789	9.416	9.388	9.313	9.572	9.731	9.786	9.190	9.127	9.507	9.398	9.291	9.461	9.699	10.024	
1423446	at	Dadk3	AI642212	Mm.10294	10	7.941	8.848	7.774	7.903	8.848	7.817	7.617	8.540	8.635	8.601	8.340	8.547	8.513	8.381	8.002	7.723	8.508	8.287	8.026	7.863	8.362	8.000	7.747	7.678	
1423447	at	Clox	BF020441	Mm.30088	9	10.814	10.515	11.083	10.740	10.366	10.881	10.645	10.559	10.202	10.510	10.189	10.451	10.233	10.405	10.608	11.011	10.950	10.704	10.980	10.875	10.814	10.949	10.102	10.968	
1423448	at	Rab11b	BE986863	Mm.387587	17	12.268	12.171	12.193	12.340	12.242	12.236	12.149	12.135	12.037	12.040	12.150	12.290	12.213	12.072	12.242	12.211	12.434	12.499	12.388	12.392	12.439	12.358	12.368	12.136	12.169
1423449	a	Actn4	BM234779	Mm.276042	7	11.315	12.142	11.124	11.378	11.791	11.348	11.154	11.573	12.117	11.920	11.873	12.012	12.004	12.065	11.611	11.237	11.111	11.084	10.962	11.066	11.149	11.118	11.101	11.075	
1423450	a	Hs3st1	AV226060	Mm.12559	5	7.069	7.171	7.198	7.313	7.337	7.006	7.258	7.583	6.996	7.250	7.474	7.488	7.197	7.025	7.252	7.259	7.966	7.373	7.470	7.185	7.318	7.306	6.854	6.735	
1423451	at	Prrmc1	AI574180	Mm.9052	X	9.858	10.141	9.680	9.826	10.152	9.974	9.759	10.229	10.510	10.370	9.872	10.388	10.511	10.293	10.429	9.681	10.077	9.965	9.929	9.608	9.846	10.124	9.745	9.500	
1423452	at	Myt1b	BM213139	Mm.255839	1	8.795	8.747	8.777	8.849	8.652	8.756	8.759	8.769	8.736	8.657	8.775	8.736	8.654	8.382	8.515	8.382	8.515	8.382	8.515	8.382	8.515	8.382	8.515	8.382	8.515
1423453	at	Notl2	BI400725	Mm.10112	15	8.906	8.907	8.887	8.813	8.987	8.813	8.854	8.244	8.288	9.147	9.117	9.360	8.824	8.707	10.432	9.427	9.265	9.055	8.800	8.985	8.809	8.809	8.809	8.809	
1423454	a	Sam6a6	BE955629	Mm.23662	3	8.414	8.185	8.355	8.417	8.338	8.351	8.311	8.349	8.145	8.178	8.379	8.291	8.209	8.255	8.384	8.484	8.344	8.483	8.430	8.511	8.402	8.245	8.404	8.377	
1423455	at	ENSMSG000000	BF787570	Mm.423045	3	12.720	13.342	12.611	12.751	13.159	12.896	12.845	13.345	13.306	13.080	13.186	13.149	13.389	13.340	12.992	12.636	12.829	12.574	12.421	12.423	12.754	12.939	12.517	12.365	
1423456	at	Bzw2	BM932775	Mm.288669	12	11.307	10.853	11.232	11.194	10.643	10.879	10.863	11.226	10.235	10.427	10.691	10.771	10.517	10.394	10.504	11.276	11.662	11.359	10.994	11.096	11.367	11.508	10.713	10.860	
1423457	at	Slc35a5	BB746934	Mm.264984	16	5.937	6.525	6.224	6.297	6.126	6.249	6.006	6.270	6.380	6.376	6.054	6.037	6.207	6.344	6.164	6.293	6.227	6.037	6.093	5.971	6.017	6.106	6.148	6.131	
1423458	at	Slc35a5	BB778934	Mm.264984	16	6.860	6.948	6.769	6.964	6.828	7.040	7.055	7.080	6.874	6.658	7.078	6.962	6.858	7.006	6.758	6.774	6.948	6.991	6.852	6.920	7.016	6.903	7.025	6.873	
1423459	at	Cops2	BE853265	Mm.3596	2	9.938	10.156	10.004	9.984	10.031	9.959	9.843	9.927	10.196	10.338	10.023	10.239	10.197	10.121	10.142	10.109	9.921	9.968	10.006	10.018	9.903	10.065	9.932	10.034	
1423460	at	Ucp1	BB645289	Mm.21650	15	9.596	9.524	9.707	9.547	9.450	9.616	9.302	9.789	9.354	9.416	9.354	9.416	9.354	9.416	9.354	9.416	9.354	9.416	9.354	9.416	9.354	9.416	9.354	9.416	
1423461	a	Ubp3	AV238436	Mm.21846	5	11.155	11.172	11.114	11.367	11.269	11.188	11.104	11.292	11.037	11.014	10.971	11.217	11.075	10.817	11.034	11.135	11.589	11.549	11.320	11.216	11.448	11.535	11.071	11.209	
1423462	at	Map3k7i2	BM213179	Mm.193041	10	10.467	10.527	10.344	10.431	10.355	10.239	10.356	10.488	10.557	10.526	10.393	10.467	10.476	10.433	10.337	10.278	10.407	10.356	10.389	10.107	10.448	10.592	10.237	10.446	
1423463	a	D2ErtD750e	AK012148	Mm.252695	2	4.760	5.421	4.548	4.637	4.986	4.507	4.554	5.368	5.316	5.280	5.083	4.653	4.961	5.292	4.937	4.432	4.633	4.514	4.618	4.602	4.568	4.728	4.636	4.669	
1423464	at	D2ErtD750e	AK012148	Mm.252695	2	7.216	7.208	6.919	7.210	7.206	7.028	7.191	7.129	7.256	7.147	7.182	6.854	7.169	7.232	7.071	6.921	6.982	7.040	7.020	7.016	7.102	6.913	7.236	7.050	
1423465	at	Frrs1	BB032852	Mm.66293	3	7.658	8.997	7.628	7.540	7.595	7.658	7.679	7.829	8.557	8.732	7.848	7.657	8.366	8.607	7.503	7.432	7.553	7.663	7.911	7.634	7.329	7.664			

1423515	at	Scn8a	BB429612	Mm.385012	15	5.597	5.450	5.707	5.622	5.243	5.498	5.520	5.847	5.465	5.518	5.608	5.411	5.507	5.583	5.457	5.650	5.818	5.601	5.830	5.847	5.731	5.736	5.882	5.709	
1423516	a at	Nid2	BB781435	Mm.20348	14	6.601	7.611	6.581	6.811	7.441	7.083	6.902	8.060	7.298	7.512	7.829	7.333	7.217	7.564	7.228	6.502	6.731	6.557	6.640	6.627	6.634	6.843	6.630	6.531	
1423517	at	LOC100038887	AI325146	Mm.153159	5	11.494	12.038	11.658	11.709	11.478	11.904	11.747	11.492	11.633	11.691	11.907	11.345	11.336	12.219	11.592	11.725	11.493	11.660	11.977	11.818	11.517	11.411	11.771	11.978	
1423518	at	Ck2	BG094076	Mm.21974	9	8.444	9.033	8.519	8.712	8.599	8.509	8.472	8.238	8.939	8.964	8.936	8.875	8.784	9.140	8.793	8.532	8.025	8.461	8.528	8.491	8.242	8.102	8.436	8.458	
1423519	at	Z201412D01Rk	BB457744	Mm.23914	7	8.584	9.981	9.719	9.774	9.591	9.601	9.641	9.879	9.838	9.834	9.712	9.600	9.574	10.074	9.386	9.736	9.357	9.646	9.859	9.554	9.238	9.860	9.504	9.544	
1423520	at	Lmn1b	AA270173	Mm.41005	18	5.710	5.956	5.304	5.579	5.394	5.411	5.632	5.892	5.920	5.507	5.872	5.400	5.450	5.167	5.615	5.402	5.315	5.395	5.424	5.435	5.198	5.415	5.500	5.420	
1423521	at	Lmn1b	AA270173	Mm.41005	18	8.022	8.763	7.759	7.963	8.175	8.208	8.278	8.373	8.481	8.271	8.346	7.972	8.308	8.571	8.099	7.783	7.827	7.595	7.822	7.906	7.623	7.616	7.819	7.756	
1423522	at	Npm3	BB811478	Mm.1406	19	9.101	9.436	8.961	9.042	8.912	9.197	9.174	8.896	9.052	8.863	9.166	8.786	8.866	9.376	8.969	9.007	8.874	9.038	9.242	9.185	8.888	8.881	9.157	9.051	
1423523	at	Aass	BF687395	Mm.18651	5	5.066	4.717	4.908	4.947	4.772	4.905	4.981	4.914	4.797	4.952	4.692	4.935	4.835	4.893	4.926	4.787	5.090	5.004	5.031	4.965	4.778	4.897	4.667	4.925	
1423524	at	Mastl	BF021309	Mm.253721	2	4.626	5.206	4.481	4.595	4.501	4.433	4.543	4.659	4.759	4.634	4.784	4.392	4.579	4.546	4.345	4.433	4.347	4.378	4.705	4.528	4.458	4.508	4.367	4.420	
1423525	at	Bfasti	BF021309	Mm.253721	2	7.994	7.962	8.021	7.875	7.884	7.842	7.893	8.094	8.165	8.139	8.080	8.219	7.971	7.986	7.744	7.826	7.916	7.933	7.806	7.881	7.900	7.904	7.944	7.944	
1423526	at	Arid3b	BM247863	Mm.425588	9	6.203	6.124	6.237	6.333	6.243	6.094	6.183	6.202	6.193	6.018	6.169	6.209	6.007	6.053	6.132	6.334	6.411	6.241	6.337	6.247	6.240	6.212	6.214	6.042	
1423527	at	Ar221510HOBK	AK006212	Mm.56430	10	4.366	3.963	4.057	4.059	3.933	4.133	4.147	4.133	4.154	3.923	3.973	3.977	3.944	4.046	4.147	4.022	4.050	4.085	4.144	4.229	4.150	3.919	4.088	4.237	
1423528	at	Bcas3	AW701903	Mm.287663	11	6.693	6.166	6.828	6.726	6.973	6.625	6.549	6.062	6.212	6.443	6.368	6.685	6.721	6.478	6.718	6.838	6.615	6.651	6.589	6.827	6.577	5.921	6.681	6.850	
1423529	at	G6cc2	Z47787	Mm.140768	2	4.655	4.402	4.641	4.457	4.431	4.387	4.414	4.435	4.276	4.307	4.610	4.158	4.278	4.285	4.460	4.445	4.618	4.544	4.400	4.701	4.574	4.490	4.577	4.611	
1423530	at	Stk32c	BB320288	Mm.65336	7	6.202	6.077	6.046	6.327	6.044	6.115	6.269	6.568	5.990	6.253	6.139	6.104	6.318	6.165	6.055	5.645	6.308	6.013	5.952	5.869	6.392	6.305	6.119	5.938	
1423531	a at	Hnrnpa1	BI663320	Mm.237064	15	7.800	8.792	8.272	8.269	7.720	8.267	8.056	7.360	7.927	8.154	7.805	7.775	7.683	8.619	8.081	8.234	7.100	7.579	8.170	7.996	7.118	7.133	7.731	8.262	
1423532	at	Rnf44	AI850285	Mm.25366	13	9.814	10.101	9.821	9.995	9.990	9.862	9.803	9.649	9.932	10.048	10.227	10.150	10.069	10.077	9.943	9.782	9.748	9.857	9.820	7.993	9.926	9.971	9.985	10.045	
1423533	a at	Rho1	AV336273	Mm.261491	11	10.856	10.885	10.840	10.850	10.875	10.892	10.811	10.056	10.691	10.890	10.833	10.833	10.872	10.770	10.753	10.901	11.015	10.911	10.952	10.946	10.817	11.015	10.769	10.925	
1423534	at	Pdc2	BI526195	Mm.323	17	8.555	8.435	8.231	8.610	8.450	8.334	8.174	8.506	8.316	7.979	7.942	8.436	8.499	7.961	8.307	8.255	8.960	8.704	8.495	8.356	8.811	8.882	8.358	8.278	
1423535	at	Rhn1	BF148627	Mm.65979	12	11.776	11.508	11.849	11.561	11.243	11.567	11.713	11.616	11.111	11.580	11.870	11.427	11.239	11.491	11.498	11.830	11.103	11.282	11.429	11.381	11.390	11.451	11.572	11.723	
1423536	at	Strn3	BF148627	Mm.65979	12	10.507	10.352	10.701	10.485	10.232	10.502	10.481	10.306	10.064	10.339	10.471	10.228	10.248	10.295	10.380	10.715	10.239	10.244	10.394	10.515	10.114	10.037	10.347	10.456	
1423537	at	Gap43	BB622036	Mm.1222	16	5.297	5.499	5.440	5.302	5.294	5.222	5.237	5.375	5.541	5.339	5.208	5.244	5.435	5.448	5.324	5.315	5.341	5.191	5.186	5.222	5.392	5.034	5.242	5.267	
1423538	at	Ntn1	BM223798	Mm.380410	16	8.392	8.809	8.281	8.407	8.980	8.499	8.261	9.369	9.170	8.993	8.687	9.193	9.127	8.568	8.747	8.130	9.007	8.799	8.513	8.487	8.952	9.254	8.728	8.108	
1423539	at	Pms2	BM239600	Mm.2950	5	7.972	7.992	7.958	7.943	8.027	7.892	8.038	8.047	7.988	7.828	8.125	7.962	8.008	8.232	7.955	7.820	7.987	7.822	8.070	7.973	7.928	7.829	7.806	8.014	
1423540	at	Rbms2	BB767478	Mm.42247	10	9.919	10.186	9.748	9.809	10.078	9.707	9.738	9.718	10.259	10.245	10.029	10.123	10.248	9.934	9.964	9.911	9.883	10.130	10.082	9.919	9.886	9.778	9.816	9.891	
1423541	at	R2051111Rk	BB767478	Mm.42247	17	6.764	6.674	6.825	6.765	6.793	6.793	6.867	6.701	6.723	6.688	6.613	6.658	6.606	6.672	6.626	6.678	6.729	6.714	6.725	6.688	6.664	6.678	6.654	6.728	
1423542	at	Paics	BB283507	Mm.251227	7	7.500	7.146	7.287	7.287	7.398	7.313	7.307	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	
1423543	at	Swap70	AK019882	Mm.334144	7	8.015	8.436	8.046	8.010	8.310	8.225	8.211	7.841	8.498	8.565	8.407	8.304	8.565	8.572	8.558	8.158	7.933	7.907	8.245	8.069	8.036	7.746	7.970	7.990	
1423544	at	Ptdn5	BB188812	Mm.4654	7	6.681	6.271	6.622	6.459	6.143	6.240	6.539	5.586	6.494	6.243	6.399	6.243	6.296	6.425	6.519	6.519	6.358	6.379	6.480	6.465	6.460	6.309	6.443	6.530	
1423545	a at	Zfp207	BB633247	Mm.401332	11	8.979	9.493	9.041	9.153	9.176	9.179	8.975	9.959	8.945	9.097	9.143	9.082	9.180	9.327	9.450	9.168	8.788	8.790	8.906	8.848	8.997	8.886	9.134	9.094	
1423546	at	Zfp207	BB633247	Mm.401332	11	4.737	4.636	4.429	4.766	4.465	4.631	4.533	4.645	4.699	4.541	4.452	4.390	4.676	4.672	4.801	4.460	4.432	4.452	4.670	4.629	4.823	4.435	4.621	4.652	
1423547	at	Lyz2	AW208566	Mm.45436	10	11.269	12.797	11.209	11.837	12.043	11.653	11.761	11.482	13.522	13.602	12.169	12.012	12.326	12.995	11.869	11.147	11.149	11.282	11.670	10.912	11.299	11.385	10.616	11.075	
1423548	s at	Erc1c3	BB556862	Mm.141276	2	8.876	9.255	8.995	9.145	9.220	9.114	8.877	8.842	9.525	9.632	8.817	9.477	9.588	9.109	9.290	9.015	8.957	9.158	9.215	8.816	8.955	8.913	8.791	8.715	
1423549	at	Slc1a1	BB277461	Mm.6379	13	6.951	7.153	6.883	6.596	7.130	7.536	7.150	7.562	7.155	7.398	7.185	7.212	7.395	7.285	7.037	7.089	6.991	7.034	7.089	7.034	7.089	7.034	7.089	7.034	
1423550	at	Slc1a1	BB277461	Mm.6379	11	6.813	6.889	6.685	6.592	6.956	6.498	6.640	6.745	6.985	7.235	6.817	6.812	6.879	7.084	6.650	6.608	6.391	6.534	6.616	6.786	6.807	6.674	6.810	6.849	
1423551	at	Cdh13	BB776691	Mm.334841	8	10.652	10.623	10.472	10.862	11.336	10.842	10.465	10.999	10.439	10.830	10.838	11.429	11.406	10.373	11.042	10.514	11.486	11.310	10.837	10.820	11.280	11.486	11.406	10.820	10.820
1423552	at	Leprot1	BF658789	Mm.34212	8	8.903	10.027	8.812	8.826	9.350	8.927	9.036	9.436	10.269	9.889	9.735	9.717	9.660	9.721	9.188	8.847	9.192	9.183	9.065	8.867	9.094	9.128	8.961	8.618	
1423553	at	Dnaib3	AK005688	Mm.439983	1	4.711	4.648	4.676	4.570	4.706	4.753	4.493	4.603	4.910	4.644	4.672	4.532	4.885	4.819	4.619	4.602	4.648	4.686	4.642	4.844	4.607	4.511	4.588	4.631	
1423554	at	Gcxc	AV370848	Mm.19937	6	7.520	7.673	7.468	7.566	7.732	7.621	7.591	7.037	7.512	7.647	7.323	7.444	7.458	7.490	7.508	7.488	7.046	7.369	7.578	7.531	7.027	6.924	7.264	7.542	
1423555	a at	Ifi44	BB329808	Mm.30756	3	6.959	8.662	7.003																						

1423604	at	Ncan	BB804298	Mm.268079	8	6.354	6.169	6.311	6.284	6.183	6.177	6.375	6.133	6.129	6.075	6.209	6.039	6.176	6.220	6.113	6.317	6.342	6.159	6.529	6.464	6.387	6.396	6.543	6.397	
1423605	a	at	Mdm2	AK004719	Mm.22670	10	9.881	10.062	9.859	9.954	10.052	9.617	9.742	9.600	9.946	10.041	10.177	9.907	9.871	9.905	9.863	10.010	9.828	9.925	9.955	9.823	9.886	9.965	9.929	10.182
1423606	at	Postn	BI110565	Mm.236067	3	10.946	13.322	11.017	11.106	13.779	12.028	10.723	13.265	14.254	14.122	13.181	14.053	14.229	13.419	13.789	11.007	9.573	10.048	11.171	9.111	10.062	9.981	9.149	8.903	
1423607	at	Lum	AK014312	Mm.18888	10	11.665	11.887	11.429	11.805	12.768	12.346	11.999	12.335	12.444	12.540	12.589	12.381	12.800	12.278	12.571	11.446	11.952	11.503	11.896	11.133	11.354	11.483	10.695	10.970	
1423608	at	Ilm2a	B1964443	Mm.143	8	9.443	9.264	9.352	9.597	10.480	9.998	9.802	10.074	10.547	10.452	9.695	11.072	11.735	9.584	11.190	8.914	10.025	9.594	9.879	9.644	9.810	9.877	9.825		
1423609	a	at	Mga1	BB205495	Mm.196933	11	10.763	11.039	10.689	10.863	10.918	10.832	10.843	10.897	10.939	11.023	10.828	11.025	10.945	11.020	10.930	10.800	10.774	10.812	10.754	10.844	10.719	10.782	10.571	10.560
1423610	at	Metap2	BG086961	Mm.289329	10	10.088	10.522	10.136	10.241	10.250	10.442	10.216	10.150	10.056	10.239	10.437	10.281	10.151	10.422	10.374	10.342	10.412	10.338	10.553	10.523	10.382	10.288	10.315	10.564	
1423611	at	Alpl	AW319615	Mm.288186	4	9.191	9.109	9.013	8.977	8.884	8.589	8.626	8.434	8.704	8.811	8.316	8.600	8.664	8.436	8.516	8.996	8.563	8.809	8.717	8.685	8.546	8.461	8.622	8.675	
1423612	at	C1p1	BB736632	Mm.21583	2	8.599	8.714	8.796	8.719	8.639	8.639	8.782	8.704	8.553	8.553	8.739	8.660	8.649	8.670	8.863	8.745	8.571	8.721	8.847	8.744	8.666	8.535	8.796	8.744	
1423613	at	Sffa2	BB033597	Mm.272881	2	9.417	9.522	9.380	9.455	9.612	9.709	9.408	9.599	9.698	9.737	10.243	9.945	9.940	9.770	9.855	9.598	9.429	9.385	9.580	9.448	9.589	9.603	9.601	9.788	
1423614	at	Lrrc8c	BB329408	Mm.319847	5	8.098	8.509	8.149	8.114	8.138	7.967	7.823	7.893	8.005	8.231	7.999	8.003	8.161	8.309	8.083	8.119	7.838	7.858	7.769	8.022	7.480	7.604	8.160	7.917	
1423615	at	Rnt115	BB818501	Mm.386792	3	8.987	10.277	9.088	9.388	8.833	9.667	10.011	10.755	10.279	10.490	12.422	10.319	10.261	10.705	11.267	9.597	9.460	9.449	9.665	9.705	9.744	9.690	9.762	10.239	
1423616	at	Tarbp2	BE373492	Mm.291485	15	8.886	9.336	8.627	8.933	8.941	8.717	8.972	8.970	9.050	8.918	8.977	8.928	8.681	8.777	8.767	8.673	8.995	9.164	9.070	8.995	9.036	8.927	8.833	8.873	
1423617	at	Pdf1	AA790871	Mm.288641	8	11.014	10.996	11.104	11.356	11.110	11.140	10.972	11.038	10.161	10.345	10.787	10.728	10.598	10.637	10.696	11.052	11.328	11.223	11.081	11.170	11.249	11.181	10.966	10.929	
1423618	at	Bin1	AW146341	Mm.4383	18	8.303	7.960	8.168	8.292	8.130	8.175	8.200	8.230	7.981	7.967	8.121	8.162	8.224	8.164	8.152	8.316	8.183	8.196	8.185	8.406	8.288	8.082	8.198	8.302	
1423619	at	Rasd1	BB217136	Mm.3903	11	7.251	6.978	6.943	6.856	7.383	6.755	6.955	6.956	6.826	6.593	7.620	7.024	7.154	6.838	6.998	7.059	6.892	7.001	6.894	6.880	6.893	7.076	7.035	7.099	
1423620	at	Cenp3	AI891882	Mm.9870	17	8.603	8.903	8.654	8.139	8.315	8.066	8.449	8.966	8.468	8.714	8.497	8.432	8.375	8.603	8.424	8.577	8.419	8.282	8.356	8.336	8.273	8.437	8.335	8.297	
1423621	a	at	SLC33a1	BM235996	Mm.135619	3	7.936	8.502	8.051	7.911	7.995	8.000	8.073	8.057	8.193	8.562	7.768	8.467	8.485	8.484	8.194	8.138	7.874	7.737	7.643	7.802	7.923	8.176	7.804	7.914
1423622	a	at	Ccn1	BM250672	Mm.175612	3	9.855	10.084	9.759	9.637	9.768	9.783	9.670	9.829	10.082	9.847	10.348	9.860	9.872	9.685	9.793	9.657	9.680	9.638	9.538	9.445	9.685	9.855	9.833	9.760
1423623	at	2810021B07Rik	AW060558	Mm.291109	13	7.068	7.096	6.873	7.053	7.129	7.058	6.910	7.127	7.596	7.036	7.073	7.343	7.295	7.233	7.025	6.779	7.097	6.822	7.000	6.789	7.066	7.233	6.983	6.908	
1423624	at	Fancf	BB751093	Mm.18875	11	9.333	9.104	9.257	9.172	9.026	9.520	9.260	9.037	8.901	8.848	8.710	8.939	8.990	9.070	8.991	9.325	9.215	9.103	9.211	9.157	9.082	9.258	8.974	8.963	
1423625	a	at	Dnaic19	AV053737	Mm.274266	3	10.186	10.285	10.044	9.955	9.958	9.917	10.082	10.719	9.982	9.651	10.043	10.442	9.742	9.664	9.717	9.981	11.099	10.640	10.151	10.050	10.765	10.912	9.995	9.651
1423626	at	Dst	BB150886	Mm.336625	1	11.883	11.788	11.971	12.099	12.399	12.157	12.164	11.806	12.071	12.246	12.045	12.389	12.343	12.092	12.306	12.118	11.782	11.929	11.953	11.981	11.715	11.920	12.229	12.412	
1423627	at	Nqo1	AV158882	Mm.252	8	9.300	8.981	9.259	9.522	9.252	9.326	9.614	8.524	8.689	9.245	9.144	9.783	9.241	9.247	9.171	9.227	8.775	9.094	8.918	8.981	8.966	8.935	9.096	8.952	
1423628	s	at	Pcdhqa12	BB731207	Mm.247203	18	9.445	9.774	9.452	9.599	9.489	9.622	9.499	9.558	9.841	9.576	9.142	9.852	10.029	9.536	9.582	9.507	9.622	9.589	9.432	9.471	9.349	9.276	9.294	9.234
1423629	at	Dnm2	BB762738	Mm.433257	9	9.422	9.483	9.273	9.448	9.420	9.300	9.362	9.230	9.533	9.319	9.348	9.273	9.512	9.385	9.256	9.202	9.214	9.279	9.400	9.256	9.385	9.116	9.248	9.235	
1423630	at	Cyca3	BB049892	Mm.103641	11	8.443	8.693	8.263	8.463	8.420	8.505	8.333	8.423	8.505	8.347	8.404	8.505	8.347	8.404	8.505	8.347	8.404	8.505	8.347	8.404	8.505	8.347	8.404	8.505	
1423631	at	Atp1a1	BB540732	Mm.103641	9	7.329	7.088	7.161	7.187	6.994	7.097	6.998	7.193	7.093	7.081	7.343	7.132	7.066	7.222	7.263	7.195	7.367	7.195	7.367	7.195	7.367	7.195	7.367	7.195	
1423632	at	Gpr146	BI103049	Mm.270003	5	8.544	9.465	8.295	8.486	8.671	8.369	8.520	8.815	9.161	8.866	8.639	8.727	8.678	8.882	8.308	8.465	8.556	8.798	8.576	8.419	8.662	8.594	8.425	8.205	
1423633	at	6530403A03Rik	BB703486	Mm.250783	13	8.782	8.514	8.624	8.797	8.680	8.429	8.247	8.662	8.866	8.620	8.733	8.883	8.763	8.518	8.661	8.488	9.024	8.647	8.629	8.579	8.947	9.349	8.673	8.844	
1423634	at	Gsdma1	AI506986	Mm.458085	11	4.682	4.186	4.526	4.575	4.582	4.369	4.690	4.671	4.623	4.527	4.592	4.493	4.453	4.685	4.758	4.648	4.581	4.575	4.533	4.771	4.395	4.365	4.410	4.443	
1423635	at	Bmp2	AV239587	Mm.103205	2	6.157	6.238	5.940	6.014	5.995	6.104	6.116	6.228	6.394	6.369	6.347	6.492	6.152	6.266	6.239	6.119	5.870	6.141	6.211	5.995	5.849	6.110	6.198	6.077	6.022
1423636	at	Wdr31	AK017259	Mm.155573	4	6.893	6.432	6.769	6.615	6.424	6.779	6.553	6.572	6.500	6.340	6.538	6.475	6.749	6.541	6.533	6.772	6.723	6.559	6.698	6.727	6.610	6.620	6.724	6.584	
1423637	at	Ga1nt4	BI152634	Mm.314	10	7.485	6.735	7.284	7.316	7.280	7.262	7.471	7.407	7.447	7.395	7.496	7.491	7.358	7.609	7.311	7.448	7.429	7.342	7.153	7.070	7.067	7.193	7.398		
1423638	at	Dnao2	BB294940	Mm.294940	10	6.594	6.498	6.753	6.850	6.572	6.943	6.932	6.827	6.495	6.453	6.913	6.943	6.953	6.552	6.879	6.935	6.574	6.642	6.629	6.579	6.586	6.592	6.605	6.605	
1423639	at	Hrnt2	AC020259	Mm.57243	7	7.156	6.797	6.970	7.055	7.069	6.811	7.055	7.075	7.097	6.925	6.901	6.944	7.028	6.994	7.070	6.990	6.984	7.167	7.074	7.137	7.229	6.932	6.968	7.187	
1423640	at	Synpr	BC026512	Mm.317515	14	3.991	3.810	3.916	3.887	3.863	3.959	3.914	3.974	3.855	3.742	3.944	3.756	3.920	3.813	3.752	3.742	3.773	3.921	3.860	3.801	3.866	3.823	3.880	3.846	
1423641	s	at	Cnot7	BC006021	Mm.272551	8	11.114	10.910	11.265	10.997	10.819	11.102	11.151	11.032	10.682	10.914	10.723	10.963	10.936	10.835	10.908	11.138	11.133	10.957	10.955	11.107	11.068	11.292	11.056	11.141
1423642	at	Tbdc2c1	BC005547	Mm.227260	2	12.618	13.094	12.478	12.381	12.126	12.411	12.880	12.672	12.889	12.743	12.843	11.932	11.989	12.696	11.924	12.590	12.310	12.440	12.145	12.309	12.023	11.816	11.632	11.826	
1423643	at	Ddx39	BC020134	Mm.28222	8	9.390	10.881	9.327	9.406	9.667	9.440	9.477	10.159	10.340	10.102	10.114	9.801	9.740	10.448	9.414	9.345	9.616	9.609	9.487	9.223	9.517	9.479	9.519	9.090	

1423693	at	Elai1	BC011218	Mm.2131	15	7.711	8.536	7.583	7.605	7.765	7.583	7.756	7.785	8.524	7.752	7.934	7.779	7.896	8.371	7.789	7.632	7.388	7.404	7.602	7.526	7.579	7.516	7.410	7.384
1423694	at	Kctd10	BC006935	Mm.238285	5	10.195	10.896	10.323	10.323	10.527	10.458	10.133	9.892	10.783	11.073	10.718	10.819	10.884	10.912	10.957	10.373	9.526	9.999	10.273	10.199	9.757	9.544	10.484	10.550
1423695	at	Edem2	BC008268	Mm.273706	2	7.996	8.366	7.957	8.158	8.513	8.145	8.171	8.110	8.468	8.615	8.215	8.359	8.607	8.427	8.417	8.067	8.184	8.326	8.269	8.274	8.252	8.174	8.276	8.203
1423696	a at	Psmd6	BC006869	Mm.27591	14	8.720	9.024	9.030	8.845	8.679	8.967	8.787	8.994	8.490	8.819	8.351	8.850	8.489	8.591	8.791	8.963	8.665	8.721	8.840	8.338	8.839	8.894	8.727	8.993
1423697	at	Psmd6	BC006869	Mm.27591	14	11.920	12.087	12.071	11.895	11.927	11.861	11.838	11.852	11.818	11.905	11.729	11.675	11.798	11.970	11.898	12.078	11.941	11.880	11.987	11.985	11.889	11.694	11.875	11.952
1423698	at	Ncap2b	BC003900	Mm.143167	15	9.611	9.893	9.744	9.612	9.573	9.711	9.602	9.609	9.579	9.609	9.589	9.445	9.515	9.578	9.445	9.455	9.850	9.792	9.625	9.672	9.591	9.586	9.507	
1423699	at	Ncap2b	BC003900	Mm.143167	15	7.528	7.697	7.580	7.665	7.691	7.646	7.648	7.545	7.626	7.443	7.620	7.454	7.465	7.430	7.478	7.606	7.626	7.667	7.611	7.544	7.447	7.466	7.611	7.494
1423700	at	Rfc3	BC026795	Mm.12553	5	7.080	7.845	6.677	6.965	7.367	7.011	7.013	7.225	7.016	6.968	7.219	6.756	6.990	7.421	6.789	6.608	7.181	6.983	7.411	6.980	6.797	6.938	8.850	6.653
1423701	at	Coasv	BC020046	Mm.182271	11	8.983	9.262	9.157	8.945	8.695	8.895	8.734	8.584	9.127	9.040	8.628	8.876	8.673	8.938	8.689	9.039	8.842	8.726	8.730	8.636	8.837	9.093	8.899	8.931
1423702	at	H1f0	BC003830	Mm.24350	15	11.304	11.547	11.379	11.535	11.533	11.538	11.472	11.397	11.625	11.786	11.383	11.639	11.807	11.495	11.570	11.441	11.626	11.734	11.732	11.838	11.450	11.458	11.657	11.096
1423703	at	Ppan	BC014688	Mm.2930	9	7.735	8.375	7.556	7.683	7.747	7.593	7.648	8.007	7.986	7.719	7.351	7.794	7.714	7.865	7.697	7.470	7.968	7.751	7.719	7.580	7.932	7.987	7.764	7.765
1423704	at	Lynla3	BC019373	Mm.284770	8	8.796	9.567	8.988	9.167	9.258	9.290	9.099	8.814	10.050	9.773	8.832	9.305	9.487	9.736	9.275	9.087	8.807	8.952	9.126	8.788	8.590	8.665	8.265	8.567
1423705	at	Enoph1	BC021429	Mm.11311	5	6.912	7.585	6.800	7.013	7.152	7.062	7.025	6.727	7.082	7.009	6.804	7.010	6.936	7.256	6.855	6.918	8.007	6.910	6.920	6.712	6.616	6.644	6.909	6.911
1423706	a at	Psd	BC014793	Mm.252080	4	9.215	10.330	9.222	9.344	9.638	9.343	9.209	9.061	10.127	10.108	9.606	9.848	9.757	10.135	9.470	9.237	8.848	9.066	9.318	9.121	8.730	8.909	8.942	8.958
1423707	at	Tmem50b	BC000481	Mm.290341	16	10.192	10.511	10.385	10.467	10.488	10.729	10.431	10.007	10.590	10.542	10.228	10.610	10.503	10.455	10.448	10.493	10.709	10.824	10.804	10.875	10.529	10.583	10.619	10.608
1423708	a at	Farsb	BC016428	Mm.28922	1	9.387	9.475	9.563	9.317	9.213	9.405	9.456	9.087	9.213	9.399	9.445	9.006	9.129	9.490	9.268	9.534	9.356	9.392	9.673	9.661	9.427	9.347	9.233	9.590
1423709	s at	Farsb	BC016428	Mm.28922	1	10.051	10.372	10.019	9.943	9.896	10.065	10.132	9.905	10.009	10.007	10.109	9.851	9.734	10.215	9.858	10.001	10.113	10.044	10.149	10.026	10.065	10.053	9.998	9.966
1423710	at	Dlst	BC006702	Mm.296221	12	13.136	13.019	13.218	13.303	13.303	13.282	13.136	13.101	12.777	12.932	13.191	12.879	12.667	12.820	13.097	13.280	13.190	13.285	13.243	13.386	13.222	13.120	13.290	13.333
1423711	at	Ndufaf1	BC018422	Mm.5390	2	10.453	10.403	10.770	10.600	10.466	10.561	10.578	10.338	9.830	10.252	10.440	10.189	9.777	10.107	10.343	10.747	10.391	10.598	10.745	10.733	10.662	10.517	10.659	10.946
1423712	a at	Oars	BC023023	Mm.272427	9	9.704	10.136	9.785	9.849	9.780	9.914	9.695	9.714	10.084	10.117	9.729	9.812	9.857	9.871	9.847	9.853	10.080	10.029	10.094	9.998	9.991	9.908	9.726	9.916
1423713	at	Abcb8	BC015301	Mm.283914	5	8.701	8.647	8.701	8.968	8.744	8.709	8.479	8.134	8.895	8.172	8.190	8.472	8.131	7.749	8.283	8.786	8.665	8.893	8.629	8.777	8.750	8.466	8.571	8.577
1423714	at	Astf1b	BC003428	Mm.29680	8	8.332	9.322	8.360	8.447	8.562	8.445	8.468	8.767	8.959	9.001	8.766	8.270	8.471	9.050	8.449	8.175	8.194	8.237	8.433	8.439	8.999	8.495	8.387	8.262
1423715	a at	Nedd8	BC004625	Mm.296566	14	11.104	11.282	11.128	11.092	11.200	11.072	11.118	10.977	11.300	11.179	11.161	11.429	11.317	11.160	11.143	11.134	11.139	11.377	11.174	11.021	11.133	11.012	10.944	10.917
1423716	s at	Atp5d	BC008273	Mm.278560	10	13.641	13.535	13.519	13.540	13.599	13.341	13.393	13.749	13.306	13.335	13.569	13.612	13.327	13.159	13.262	13.514	13.842	13.839	13.507	13.602	13.768	13.722	13.346	13.349
1423717	at	Akk3	BC019174	Mm.196067	19	11.155	11.629	11.287	11.534	11.170	11.581	11.323	11.406	11.932	11.782	11.149	11.718	11.512	11.595	11.447	11.351	11.522	11.640	11.673	11.708	11.529	11.511	11.466	11.524
1423718	at	Akk3	BC019174	Mm.196067	19	9.008	9.424	9.114	9.189	9.412	9.400	8.960	8.748	9.519	9.628	8.979	9.278	9.182	9.393	9.365	9.208	9.079	9.168	9.510	9.555	9.162	8.826	9.216	9.469
1423719	at	Sar1a	BC005949	Mm.391794	2	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256	4.256
1423720	a at	Sar1a	BC005949	Mm.391794	10	9.377	10.164	9.927	9.225	9.462	9.287	9.300	6.683	10.127	9.869	7.741	9.811	9.713	9.585	9.341	9.571	9.550	9.508	9.292	9.390	8.940	9.105	9.267	
1423721	at	Tpm1	M22479	Mm.121878	9	8.711	9.996	8.834	8.757	9.118	9.143	8.742	9.081	10.431	10.194	9.315	9.220	9.617	9.831	9.911	8.768	8.746	8.724	8.951	8.773	8.446	8.430	8.779	8.577
1423722	at	Tmem49	BC004013	Mm.390398	11	11.355	12.180	11.600	11.169	11.568	11.312	11.281	11.094	12.252	11.786	11.854	12.092	12.141	11.652	11.589	10.790	11.010	11.277	10.928	10.769	10.842	10.967	11.290	
1423723	s at	Tardbp	BC012873	Mm.22453	4	10.150	10.470	10.183	10.038	9.875	10.055	10.128	10.006	9.895	10.043	10.327	9.716	9.581	10.385	9.830	10.207	9.675	9.538	9.771	9.882	9.748	9.848	10.002	10.014
1423724	at	Zwint	BC027100	Mm.62876	10	11.616	11.988	11.840	11.477	11.541	11.717	11.603	11.245	11.983	11.887	12.071	11.741	11.620	11.908	11.650	11.886	11.546	11.734	11.783	11.750	11.546	11.439	11.765	11.663
1423725	at	Pls3	BC005459	Mm.28777	X	10.874	11.178	10.735	10.621	11.072	10.925	10.883	11.049	11.303	11.488	11.001	11.338	11.159	11.213	11.325	10.715	10.178	10.153	10.421	10.295	10.431	10.492	10.501	10.726
1423726	at	Vat1	BC025496	Mm.29210	11	8.040	9.139	7.694	7.963	8.759	8.055	7.488	8.786	9.268	9.032	8.645	9.296	9.149	8.915	8.637	7.938	7.933	8.126	7.842	7.555	7.800	7.793	7.595	7.354
1423727	at	Avf2b2	BC018222	Mm.29157	15	11.666	11.577	11.598	11.654	11.960	11.783	11.638	11.788	11.843	11.898	11.750	11.750	11.879	11.761	11.758	11.154	11.252	11.173	11.160	11.154	11.252	11.173	11.160	11.154
1423728	at	Eif3e1p	BC024463	Mm.206404	15	11.311	11.789	11.503	11.424	11.502	11.540	11.430	11.428	11.852	11.840	11.422	11.555	11.500	11.765	11.494	11.398	11.446	11.554	11.471	11.428	11.305	11.464	11.229	11.313
1423729	a at	Rnf18i	BC005559	Mm.170023	6	11.485	12.043	11.767	11.907	12.068	12.087	11.758	11.617	12.288	12.139	11.624	12.356	12.302	11.969	12.001	11.805	11.999	11.998	11.983	11.903	11.915	11.810	11.750	11.544
1423730	at	Cptm1i	BC026562	Mm.30099	13	11.321	11.946	11.480	11.500	11.596	11.550	11.485	11.179	11.866	11.747	11.624	11.624	11.732	12.059	11.554	11.396	11.134	11.436	11.567	11.449	11.174	11.090	11.365	11.370
1423731	at	Alhd16a1	BC013548	Mm.82139	7	9.223	9.636	8.954	9.386	9.526	9.076	9.310	9.303	9.560	9.502	9.391	9.729	9.553	9.488	9.294	9.177	9.337	9.248	9.300	9.194	9.223	9.139	9.123	9.140
1423732	at	Tram1	BC012401	Mm.28765	1	10.437	11.465	10.439	10.516	10.890	10.894	10.866	10.806	11.318	11.212	10.869	11.017	11.											

1423782	at	Mobkl1b	BC011285	Mm.29500	6	9.388	10.106	9.433	9.500	9.757	9.567	9.457	9.539	10.248	10.058	10.040	9.841	9.984	10.239	9.757	9.364	9.119	9.088	9.337	8.972	9.354	9.417	9.278	9.320	
1423783	at	Tor2a	BC024469	Mm.200695	2	7.873	8.506	7.913	7.855	7.978	7.900	7.750	8.019	8.591	8.346	8.406	8.292	8.269	8.335	7.932	7.544	7.950	7.944	7.974	7.765	7.948	7.685	7.652	7.668	
1423784	at	Gars	BC021747	Mm.250004	6	10.981	11.761	11.189	11.251	11.479	11.230	11.228	11.224	11.844	11.750	11.438	11.460	11.395	11.775	11.362	11.184	11.099	11.251	11.343	11.276	11.151	11.105	11.249	11.366	
1423785	at	Enn1	BE995700	Mm.140619	8	13.420	12.721	13.510	13.583	13.317	13.401	13.397	12.880	12.369	12.759	12.739	12.801	12.749	12.627	13.114	13.589	13.394	13.476	13.576	13.606	13.327	13.344	13.542	13.760	
1423786	at	B43010A17Rik	BC024401	Mm.246241	6	8.124	8.310	8.112	8.272	8.193	8.017	8.089	8.241	8.174	8.232	8.158	8.258	8.301	8.068	8.205	8.126	8.226	8.163	8.020	7.972	8.190	8.064	8.099	8.110	
1423787	at	Nup133	BB314153	Mm.267812	8	8.886	8.978	8.450	8.928	8.729	8.672	8.445	8.758	8.920	8.840	8.523	8.804	8.760	8.721	8.633	8.866	8.754	8.658	8.597	8.249	8.739	8.812			
1423788	at	Nuol33	BB314153	Mm.267812	8	5.620	5.734	5.921	5.843	5.534	5.520	5.642	5.614	5.628	5.583	5.508	5.688	5.874	5.673	5.508	5.991	5.611	5.717	5.539	5.895	5.743	5.913	5.862		
1423789	at	BAC005624	BC005624	Mm.235238	2	8.713	8.906	8.943	8.965	8.824	8.993	8.834	8.310	8.847	8.999	8.615	8.943	8.871	8.977	8.925	8.973	8.696	8.721	8.953	8.927	8.547	8.585	8.822	8.955	
1423790	at	Dcp	BC024876	Mm.222867	15	9.612	10.543	9.749	9.747	10.342	9.943	9.548	8.988	10.748	10.544	10.122	10.886	10.576	10.478	10.169	9.719	9.583	9.793	9.943	9.668	9.539	9.370	9.474	9.281	
1423791	at	Ik	BC014739	Mm.30234	18	11.032	11.217	11.224	11.155	11.132	11.292	11.208	10.767	11.146	11.315	10.899	11.324	11.142	11.171	11.247	11.251	11.090	11.214	11.442	11.273	11.041	10.942	11.058	11.196	
1423792	a at	Cmtm6	BC027248	Mm.28858	9	9.646	8.956	9.770	9.799	9.593	9.577	9.732	9.712	9.747	9.792	9.794	9.665	9.379	9.614	9.675	9.569	9.358	9.324	9.364	9.142	9.680	9.600	9.812	9.614	
1423793	at	D2Errd9391e	BM231455	Mm.28492	2	10.270	9.710	10.258	9.542	9.707	9.294	9.502	9.498	9.752	9.932	9.676	9.811	9.695	9.461	9.675	10.252	9.414	9.627	9.468	9.506	9.513	9.423	8.992	9.785	
1423794	at	D2Errd9391e	BM231455	Mm.28492	2	9.161	8.949	9.328	8.467	9.965	8.326	8.363	8.568	9.023	9.220	8.792	8.909	8.769	8.812	8.838	9.436	8.269	8.442	8.547	8.070	8.837	8.020	8.700	8.604	
1423795	at	Sfnp	AY034062	Mm.257276	4	10.091	10.484	10.003	9.968	9.781	9.950	9.900	8.816	10.145	10.270	10.565	9.940	9.749	10.343	10.037	10.120	9.457	9.351	9.116	9.230	9.981	9.828	10.285	10.227	
1423796	at	Sfnp	AY034062	Mm.257276	4	8.513	8.986	8.581	8.385	8.208	8.417	8.638	8.378	8.396	8.728	8.819	8.144	8.155	8.992	8.241	8.710	8.001	7.743	7.887	7.819	8.317	8.511	8.501	8.602	
1423797	at	Aacs	BC026817	Mm.439974	5	7.179	7.395	6.579	7.016	7.037	6.880	6.951	6.745	7.365	7.338	7.337	6.986	7.024	7.239	7.027	6.818	6.534	6.857	6.942	6.863	6.963	6.775	7.075	6.866	
1423798	a at	Eif1	BI693609	Mm.13886	11	13.845	13.812	13.844	13.814	13.701	13.757	13.754	13.643	13.644	13.734	13.611	13.705	13.608	13.575	13.636	13.831	13.712	13.778	13.748	13.622	13.833	13.848	13.861	13.950	
1423799	at	Eif1	BI693609	Mm.13886	11	12.900	12.576	12.861	12.975	12.650	12.949	12.699	12.562	12.200	12.432	12.660	12.390	12.307	12.386	12.658	13.012	12.995	13.000	13.030	13.155	12.980	12.927	13.170	13.140	
1423800	at	Dars	BC008638	Mm.28693	1	10.268	10.740	10.591	10.442	10.370	10.801	10.382	10.658	10.207	10.347	10.279	10.460	10.325	10.684	10.284	10.606	10.615	10.451	10.404	10.576	10.490	10.500	10.246	10.416	
1423801	a at	Apr1	BC005667	Mm.1786	8	10.478	10.982	10.262	10.322	10.367	10.283	10.368	10.621	10.986	10.851	10.647	10.632	10.577	10.853	10.325	10.257	10.523	10.574	10.477	10.388	10.377	10.403	10.381	10.243	
1423802	at	Camkv	BC017634	Mm.274540	9	6.003	5.811	5.993	5.929	5.881	5.618	6.086	5.850	5.740	5.872	5.786	5.936	5.775	5.758	5.786	5.906	5.936	5.823	5.927	6.054	6.081	5.906	5.921	6.072	
1423803	s at	Gltscr2	BC017637	Mm.277634	7	11.862	12.008	11.904	12.000	11.714	12.016	11.947	11.813	11.876	11.781	11.720	12.001	11.885	11.809	11.769	11.879	12.090	12.235	12.119	12.064	12.017	11.981	11.879	11.727	
1423804	a at	Idl1	BC004801	Mm.29847	13	6.396	7.917	6.677	6.416	6.722	6.799	7.013	6.650	7.084	7.348	6.852	6.601	6.313	7.268	6.302	6.431	6.640	6.544	6.546	6.023	6.264	6.708	6.454	6.003	
1423805	at	Dab2	BC005688	Mm.240830	15	9.321	10.139	9.348	9.652	9.611	9.662	9.499	9.398	10.411	10.225	9.798	9.665	9.982	10.478	9.517	9.368	8.975	8.886	9.465	9.086	8.933	9.047	9.146	9.266	
1423806	at	Ints4	BC013813	Mm.27383	7	9.338	9.428	9.497	9.415	9.529	9.166	9.215	9.117	9.611	9.718	8.907	9.460	9.383	9.365	9.038	9.373	9.393	9.362	9.277	9.122	9.299	9.460	9.276	9.311	
1423807	a at	Calm2	BC021347	Mm.392943	17	13.100	13.536	12.998	12.818	13.100	13.033	13.087	13.371	13.402	13.337	13.363	13.211	13.322	13.426	13.304	12.955	12.916	12.857	12.868	12.749	12.904	12.966	12.952	12.718	
1423808	at	Tcf19	BC022903	Mm.31586	11	7.520	7.923	7.875	7.510	7.598	7.037	7.510	7.457	7.679	7.501	7.444	7.501	7.605	7.211	7.854	7.605	7.211	7.854	7.605	7.211	7.854	7.605	7.211	7.854	
1423809	at	Calr	BC004619	Mm.26666	14	6.804	9.027	7.625	7.142	6.103	7.402	7.356	6.587	8.827	7.811	9.106	7.382	7.569	7.281	7.868	6.927	7.364	7.267	7.117	7.008	7.257	7.146	7.975	8.040	
1423810	at	Ppme1	BC014867	Mm.177502	7	9.949	10.174	9.977	9.857	9.738	9.895	10.060	9.757	9.838	9.859	10.296	9.750	9.778	10.333	10.035	9.991	9.504	9.781	9.916	9.916	9.577	9.557	9.957	9.890	
1423811	at	Sf3a3	BC009141	Mm.25779	4	9.191	9.757	9.122	9.248	9.235	9.317	9.253	9.292	9.394	9.335	9.237	9.282	9.226	9.402	9.172	9.193	9.375	9.333	9.296	9.138	9.182	9.236	9.958	9.097	
1423812	s at	Awf146242	BC024822	Mm.24642	6	8.342	8.861	8.685	8.399	8.653	8.431	8.523	8.099	8.659	9.010	8.463	8.407	8.348	8.531	8.617	8.444	7.993	8.313	8.443	8.291	7.998	8.142	8.372	8.469	
1423813	at	Kif22	BC003427	Mm.286488	7	5.953	6.376	5.738	5.777	5.899	5.613	5.853	6.373	6.224	6.146	6.491	5.816	6.096	6.433	6.007	5.738	5.818	5.263	5.770	5.569	5.821	5.592	5.697	5.836	
1423814	at	Ddx41	BC011308	Mm.205045	13	7.214	7.770	7.328	7.379	7.432	7.324	7.260	7.501	7.710	7.619	7.623	7.641	7.602	7.702	7.332	7.376	7.632	7.673	7.530	7.660	7.484	7.413	7.390	7.208	7.278
1423815	at	Ddx56	BC018291	Mm.29810	11	7.559	8.158	7.442	7.318	7.438	7.515	7.709	7.456	7.582	7.616	7.706	7.578	7.466	7.787	7.406	7.521	7.574	7.704	7.607	7.580	7.743	7.491	7.433	7.632	
1423816	at	Prkac1	BC017686	Mm.290032	X	11.194	12.238	11.961	12.281	11.286	12.210	11.908	11.338	11.702	11.492	12.647	11.857	11.354	11.479	11.267	11.956	12.223	12.096	12.002	11.947	11.915	11.915	11.915	11.915	
1423817	s at	Use1	AF353245	Mm.41890	8	11.088	11.111	11.306	11.280	11.213	11.157	11.193	11.289	10.958	11.070	10.945	11.520	11.359	11.194	11.155	11.302	11.381	11.394	11.229	11.190	11.251	11.314	10.940	10.879	
1423818	a at	Ar16p1	AF133669	Mm.29924	7	9.304	10.415	9.220	9.406	9.804	9.666	9.584	10.035	10.473	10.320	10.028	9.815	9.981	10.449	10.132	9.381	9.293	9.443	9.627	9.509	9.656	9.507	9.931	9.742	
1423819	s at	Ar16p1	AF133669	Mm.29924	7	8.907	10.314	9.254	9.418	9.571	9.626	9.456	9.782	10.175	10.119	9.847	9.367	9.650	10.346	10.085	9.380	9.123	9.174	9.594	9.497	9.465	9.360	9.641	9.792	
1423820	at	Elof1	BC024488	Mm.29801	9	9.729	10.463	9.602	9.606	9.928	9.779	9.771	9.798	10.472	10.209	9.863	10.228	10.071	10.102	9.665	9.535	9.883	10.114	9.689	9.474	9.787	9.940	9.520	9.465	
1423821	at	Tmem168	BC007160	Mm.254845	6	6.928	7.601	7.044	6.791	6.996	6.999	7.170	7.262	7.295	7.654	6.848	7.441	7.170	7.402	7.424	7.102	6.929	6.970	7.088	6.47					

1423871	at	Tmem63a	BC019442	Mm.185518	1	9.208	9.609	9.349	9.480	9.576	9.578	9.455	9.398	9.729	9.665	9.386	9.660	9.549	9.571	9.556	9.437	9.514	9.623	9.657	9.531	9.938	9.511	9.357	9.559	
1423872	a at	Daa1	BC007150	Mm.7524	1	9.820	10.721	11.159	11.091	10.984	11.012	10.836	10.256	10.519	10.912	10.699	10.731	10.888	10.775	11.060	11.141	10.500	10.875	11.213	11.174	10.550	10.248	11.136	11.206	
1423873	at	Lsm1	BC021046	Mm.30198	8	6.899	8.421	7.970	7.854	8.133	7.861	7.830	8.067	8.200	7.921	8.116	8.241	8.241	8.068	7.854	7.874	7.902	7.952	8.117	7.863	7.626	8.047	7.817	7.733	
1423874	at	Wdr33	BC019463	Mm.277705	18	6.884	6.593	7.086	7.065	6.417	6.948	7.468	7.039	6.514	5.942	6.436	6.608	6.572	6.490	6.583	6.608	7.228	6.889	6.929	6.737	6.816	6.866	6.675	7.143	7.239
1423875	at	Al450540	BC020682	Mm.258970	19	7.431	7.508	7.389	7.453	7.597	7.570	7.629	7.564	7.636	7.459	7.729	7.759	7.690	7.426	7.548	7.727	7.569	7.733	7.265	7.772	7.265	7.772	7.204	7.423	
1423876	at	Al450540	BB321867	Mm.358920	19	9.457	9.892	9.718	9.733	9.748	9.877	9.405	9.596	9.884	9.492	9.914	9.911	9.821	9.778	9.494	9.388	9.589	9.837	9.346	9.479	9.409	9.463	9.292	9.423	
1423877	at	Chaf1b	BC013532	Mm.274222	16	5.809	6.803	5.575	5.864	5.909	5.574	5.798	6.035	5.913	5.739	5.953	5.636	5.514	6.222	5.782	5.521	5.426	5.391	5.628	5.481	5.644	5.535	5.694	5.508	
1423878	at	Gvcc	BC027408	Mm.292145	18	8.708	8.954	8.964	9.125	8.897	9.328	8.902	8.760	8.770	8.922	8.373	9.023	8.808	8.897	9.042	8.970	9.485	9.501	9.637	9.341	8.802	9.010	8.547	8.596	
1423879	at	D030056L22Rik	BC020125	Mm.281101	19	8.293	8.345	8.187	8.109	8.482	8.354	8.274	8.302	8.116	8.302	8.271	8.214	8.256	8.279	8.104	8.352	8.435	8.272	8.301	8.221	8.258	8.330	8.278	7.966	
1423880	at	D10Wsu52e	BC003288	Mm.9257	10	9.044	9.498	9.353	9.247	9.129	9.350	9.070	8.904	9.271	9.380	8.894	9.279	8.993	9.401	9.318	9.467	9.170	9.118	9.185	9.223	9.046	8.909	9.059	9.345	
1423881	at	Soc08529	Mm.284686	19	10.237	10.408	10.380	10.243	10.733	10.393	10.450	10.062	10.060	10.152	10.221	10.131	10.090	10.299	10.188	10.430	10.457	10.577	10.742	10.565	10.158	10.249	10.322	10.412	10.412	
1423882	at	Rhd3	BC027246	Mm.334816	8	9.055	9.626	9.160	9.297	9.422	9.455	9.388	9.258	9.314	9.483	9.131	9.391	9.308	9.574	9.417	9.209	9.563	9.466	9.598	9.396	9.186	9.358	9.050	9.158	
1423883	at	Acs1	BC006692	Mm.210323	8	13.687	12.939	13.632	13.649	13.341	13.769	13.703	13.607	12.134	12.692	13.265	13.084	12.902	12.833	13.369	13.646	13.829	13.768	13.848	13.800	13.749	13.846	13.677	13.868	
1423884	at	Cirh1a	BC027399	Mm.10665	8	10.100	10.194	10.181	10.161	9.995	10.087	10.085	9.871	9.900	10.006	10.049	9.997	10.072	10.338	10.111	10.255	10.026	10.131	10.107	10.105	10.006	9.977	10.237	10.297	
1423885	at	Lamc1	BG066605	Mm.1249	1	9.361	9.952	9.466	9.717	10.203	9.696	9.580	9.766	10.067	10.277	10.118	10.286	10.141	9.991	10.202	9.521	9.265	9.449	9.700	9.436	9.364	9.652	9.589	9.619	
1423886	at	Lamc1	BG066605	Mm.1249	1	9.987	10.755	9.915	10.315	10.812	10.160	9.963	10.451	10.675	10.709	10.658	10.932	10.750	10.501	10.633	10.105	10.105	10.047	10.180	9.787	9.841	10.171	9.909	9.918	
1423887	a at	Telo2	BC011077	Mm.288702	17	7.438	7.309	7.425	7.462	7.379	7.374	7.499	7.450	7.333	7.340	7.649	7.426	7.436	7.338	7.376	7.359	7.283	7.403	7.265	7.458	7.473	7.457	7.361		
1423888	at	Telo2	BC011077	Mm.288702	17	8.046	8.366	8.079	8.242	7.980	8.363	8.158	8.169	8.286	8.005	8.247	8.323	8.131	8.321	8.042	8.144	8.126	8.224	8.244	8.038	8.306	8.254	8.229	7.893	
1423889	at	EG434402	BC011344	Mm.386950	9	8.216	8.223	8.005	7.932	8.483	8.035	8.331	8.794	8.337	8.290	8.341	8.366	8.350	7.944	8.076	8.044	8.934	9.361	8.503	8.575	9.515	9.324	8.219	8.317	
1423890	x at	Atp1b1	BC027319	Mm.4550	1	13.902	14.417	13.872	13.741	14.229	14.056	14.044	13.597	14.382	14.509	13.935	14.066	14.195	14.240	14.069	13.966	13.287	13.883	13.999	13.987	13.301	13.273	13.787	13.673	
1423891	at	Gst1	BC003903	Mm.5731	10	6.972	6.668	6.793	7.047	6.493	7.031	6.914	7.083	7.152	6.967	6.780	7.164	7.187	6.889	6.896	6.751	7.130	7.270	7.230	7.250	7.148	7.069	6.295	6.792	
1423892	at	Apbb1	AF206720	Mm.38469	7	10.830	9.619	10.689	10.802	9.918	10.669	10.670	9.800	9.262	9.547	9.720	9.780	9.600	9.472	10.011	10.654	10.749	11.178	11.066	10.954	10.792	10.203	10.713	10.665	
1423893	x at	Apbb1	AF206720	Mm.38469	7	11.256	10.236	11.216	11.356	10.160	11.660	11.120	11.215	10.729	9.991	10.201	10.303	10.417	10.148	9.965	10.515	11.144	11.447	11.730	11.592	11.377	11.395	11.238	11.140	11.261
1423894	a at	Dalr3	BC013483	Mm.458081	9	8.597	8.697	8.692	8.926	8.892	8.737	8.437	8.454	8.648	8.868	8.516	8.889	8.647	8.394	8.620	8.588	8.863	8.834	8.559	8.643	8.774	8.650	8.673	8.545	
1423895	a at	Cuabp2	BB644164	Mm.398543	2	11.175	11.506	11.349	10.997	11.343	11.499	11.437	11.485	11.446	11.554	11.470	11.336	11.455	11.746	11.506	11.238	11.236	11.452	11.540	11.415	11.112	11.171	11.240	11.339	
1423896	a at	Rtn187	AW488376	Mm.249896	11	12.899	12.732	12.960	12.978	12.806	12.989	12.915	12.583	12.483	12.494	12.650	12.798	12.718	12.714	12.713	12.911	12.844	13.047	13.082	13.026	12.781	12.727	12.827	12.856	
1423897	at	Rtn187	AW488376	Mm.249896	11	11.927	12.147	12.147	12.147	11.848	12.985	11.917	11.486	11.487	11.487	11.767	11.809	11.817	11.655	11.875	12.759	12.662	12.736	12.662	12.736	11.562	11.562	12.736	11.562	
1423898	at	Trp12	BG923744	Mm.209265	1	10.992	11.299	11.047	11.012	11.242	11.011	11.105	11.175	11.400	11.133	11.169	11.211	11.081	11.077	11.081	10.917	11.081	11.081	11.081	11.081	11.081	11.081	11.081	11.081	11.081
1423899	at	Trp12	BG923744	Mm.209265	1	7.440	7.601	7.491	7.381	7.852	7.678	7.489	7.583	7.664	7.664	7.412	7.764	8.001	7.516	7.630	7.470	7.436	7.726	7.650	7.537	7.426	7.667	7.297	7.571	
1423900	at	Trp12	BG923744	Mm.209265	1	8.396	8.654	8.575	8.668	8.755	8.678	8.722	8.393	8.532	8.748	8.466	8.513	8.624	8.681	8.506	8.721	8.524	8.623	8.775	8.792	8.421	8.411	8.716	8.732	
1423901	at	Trp12	BG923744	Mm.209265	1	8.952	8.904	9.014	8.945	9.075	9.046	8.996	8.973	8.952	9.062	8.850	9.063	8.984	9.047	9.002	9.105	8.964	9.075	9.182	9.208	8.792	8.995	9.052	9.151	
1423902	s at	Arhgef12	AF467766	Mm.275266	9	11.803	11.499	11.853	11.814	11.968	11.866	11.978	11.894	11.310	11.738	11.926	11.963	11.769	11.691	11.989	11.840	11.746	11.941	11.728	11.866	11.732	11.838	11.876	12.200	
1423903	at	Pvr	BB049138	Mm.227506	7	9.479	9.200	9.531	8.999	8.761	9.043	9.401	8.808	9.156	9.262	9.899	8.892	8.763	9.370	8.992	9.504	8.507	8.945	8.732	9.093	8.795	8.736	9.352	9.329	
1423904	a at	Pvr	BB049138	Mm.227506	7	9.889	9.694	9.949	9.495	9.387	9.508	9.543	9.363	9.289	9.539	9.657	9.418	9.258	9.336	9.653	9.895	9.183	9.293	9.186	9.408	9.514	9.635	9.711	10.059	
1423905	at	Hsrb1	AK010939	Mm.358714	8	10.468	10.590	10.474	10.733	10.714	10.644	10.548	10.477	10.559	10.566	10.333	10.723	10.591	10.306	10.522	10.605	10.715	10.754	10.673	10.590	10.604	10.776	10.525	10.560	
1423907	a at	Ndufs8	BC021616	Mm.44227	19	12.764	12.412	12.606	12.623	12.534	12.944	12.669	13.457	12.208	12.006	12.545	12.769	12.293	11.938	12.378	12.468	13.542	13.327	12.712	12.717	13.400	13.708	12.560	12.401	
1423908	at	Ndufs8	BC021616	Mm.44227	19	11.036	10.706	10.847	10.803	10.770	10.794	10.940	11.792	10.456	10.392	10.180	11.198	10.654	10.251	10.571	10.750	12.059	11.625	11.015	10.992	11.747	11.898	10.737	10.773	
1423909	at	Tmem176a	BC010831	Mm.27061	6	9.145	9.836	9.177	9.365	9.943	9.581	9.284	9.226	10.305	10.156	9.636	9.935	10.147	10.005	9.654	9.175	9.025	9.029	9.367	8.807	8.794	8.790	8.506	8.484	
1423910	at	Centg3	AF459091	Mm.250710	5	8.619	8.789	8.535	8.686	8.617	8.443	8.239	8.098	8.748	8.817	8.558	8.853	8.736	8.553	8.687	8.575	8.386	8.337	8.242	8.238	8.420	8.509	8.656	8.586	
1423911	at	Ppp2r5a	BC023062	Mm.205569	1	10.697	10.604	11.072	10.938	10.752	10.811	10.839	10.295	10.338																

1423960	at	Lpcat3	BC006753	Mm.273915	6	10.268	10.219	10.358	10.281	9.828	10.295	10.267	9.829	9.871	9.855	9.975	9.905	9.908	10.099	10.029	10.479	10.276	10.556	10.843	10.552	10.176	10.058	10.234	10.293	
1423961	at	Wdr26	BC020044	Mm.289082	1	9.618	9.883	9.489	9.400	9.751	9.561	9.644	9.745	9.930	9.970	10.030	9.861	9.941	9.847	9.968	9.547	9.366	9.416	9.474	9.354	9.525	9.727	9.672	9.667	
1423962	at	Wdr26	BC020044	Mm.289082	1	8.524	8.701	8.440	8.374	8.739	8.365	8.555	8.739	8.618	8.667	8.729	8.623	8.574	8.594	8.607	8.511	8.608	8.439	8.293	8.212	8.582	8.790	8.597	8.542	
1423963	at	Wdr26	BC020044	Mm.289082	1	8.415	8.013	8.243	8.034	8.400	8.453	8.334	8.351	8.061	8.485	8.325	8.212	8.445	8.281	8.505	8.500	8.370	8.227	8.303	8.559	8.397	8.366	8.417	8.632	
1423964	at	Cnf3l	BC011155	Mm.475640	4	8.536	9.003	9.456	8.511	9.650	9.677	8.533	8.575	9.889	8.785	9.800	9.577	8.671	9.395	8.643	8.659	8.673	8.480	8.726	8.472	8.608	8.632	8.631		
1423965	at	Cd9912	BB038546	Mm.283879	X	10.205	10.477	10.488	10.426	10.174	10.171	10.508	7.794	10.266	10.420	10.495	10.377	10.108	10.446	10.450	10.464	10.339	10.522	10.629	10.626	10.158	10.161	10.460	10.575	
1423966	at	Cd9912	BB038546	Mm.283879	X	9.549	9.479	9.389	9.448	9.635	8.854	8.683	9.249	8.441	8.776	8.702	8.618	9.228	9.451	8.657	9.418	8.469	8.779	9.009	8.862	8.468	8.352	8.499	8.821	
1423967	at	Paln	BC015297	Mm.34650	10	8.858	8.909	9.038	9.162	9.219	9.052	8.796	9.193	8.964	9.054	8.750	9.306	9.432	8.625	9.247	8.992	9.021	9.301	8.894	8.901	9.398	9.068	9.247	9.093	
1423968	at	Uqt3a2	BC022134	Mm.422853	15	5.721	5.655	5.897	5.691	5.918	5.845	5.740	5.911	5.906	5.620	5.942	5.807	5.814	5.839	5.861	5.994	5.865	5.863	5.846	5.999	5.866	5.834	5.834	5.869	
1423969	at	Nup37	BC011102	Mm.221284	10	8.663	9.024	8.676	8.605	8.591	8.561	8.890	8.723	8.826	8.722	8.801	8.384	8.619	8.915	8.426	8.617	8.952	8.822	8.891	8.627	8.629	8.673	8.520	8.606	
1423970	at	Thoc3	BE335845	Mm.292487	13	9.312	9.537	9.228	9.299	9.318	9.344	9.267	9.426	9.276	9.270	9.264	9.467	9.137	9.372	9.246	9.075	9.726	9.531	9.473	9.406	9.410	9.564	9.833	9.237	
1423971	at	Thoc3	BE335845	Mm.292487	13	8.130	8.846	7.973	8.090	8.246	8.282	8.038	8.555	8.570	8.312	8.309	9.367	8.158	8.337	8.082	7.905	8.353	8.251	8.102	8.037	8.318	8.482	8.004	7.926	
1423972	at	Erla	BC003432	Mm.290053	9	14.318	13.673	14.444	14.349	13.868	14.321	14.241	13.827	13.231	13.572	13.826	13.789	13.667	13.651	14.076	14.428	14.157	14.197	14.317	14.291	14.426	14.203	14.319	14.414	
1423973	a at	Ar13	BC024935	Mm.221298	15	10.187	10.762	10.380	10.437	10.431	10.496	10.383	9.851	10.687	10.700	10.395	10.346	10.479	10.797	10.553	10.543	9.609	10.007	10.271	10.174	9.803	9.917	10.104	10.359	10.200
1423974	at	Numa1	BC006631	Mm.27259	7	8.758	8.718	8.781	9.001	8.958	8.824	8.747	8.245	8.697	8.872	8.350	8.668	8.840	8.793	8.660	8.924	8.728	8.957	8.853	8.961	8.664	8.507	8.849	8.841	
1423975	s at	Numa1	BC022134	Mm.422853	7	9.539	9.553	9.676	9.866	9.857	9.697	9.600	9.344	9.588	9.650	9.078	9.734	9.773	9.598	9.667	9.764	9.717	9.920	9.863	9.767	9.634	9.688	9.699	9.688	
1423976	at	4930453N24Rik	BC020029	Mm.212157	16	10.145	10.411	10.149	10.032	10.279	9.924	10.211	10.473	10.428	10.432	10.147	10.298	10.284	10.159	10.187	10.119	10.196	10.201	10.050	9.929	10.228	10.265	10.154	10.282	
1423977	at	4930453N24Rik	BC020029	Mm.212157	16	4.987	4.829	4.956	4.822	4.861	4.807	4.971	4.983	4.861	4.889	4.492	4.703	4.782	4.809	4.718	4.821	4.686	4.741	5.065	4.848	4.821	4.934	4.937	5.067	
1423978	at	Sbk1	BC025837	Mm.29660	7	9.921	9.090	10.017	9.997	9.775	9.827	9.631	9.055	8.689	9.288	9.013	9.741	9.293	8.994	9.400	10.174	9.380	9.512	9.301	9.700	9.797	9.691	9.612	10.124	
1423979	a at	Sic25a29	BC006711	Mm.266264	12	7.009	7.072	7.280	7.083	7.227	7.005	7.036	6.925	6.920	6.981	6.804	7.275	6.895	6.797	7.173	7.056	7.363	7.342	7.141	7.036	7.578	7.382	6.996	6.835	
1423980	at	Sic25a29	BC006711	Mm.266264	12	8.096	8.002	8.225	8.410	8.064	8.060	8.181	7.516	7.710	7.836	7.823	8.123	7.899	7.834	7.951	8.430	8.308	8.394	8.275	8.490	8.237	8.083	8.168	8.101	
1423981	x at	Sic25a29	BC006711	Mm.266264	12	8.880	8.847	8.798	9.011	8.919	8.880	8.918	8.960	8.583	8.700	8.812	8.901	8.760	8.721	8.731	9.085	8.072	9.259	9.105	8.980	9.001	8.916	8.959	8.805	
1423982	at	Fusip1	AF060490	Mm.10229	4	9.230	9.375	9.467	9.056	8.865	9.271	9.125	9.004	8.983	9.331	9.227	9.330	9.164	9.533	9.447	9.395	8.882	8.755	8.796	8.729	9.014	9.107	9.450	9.469	
1423983	at	Ser612	BC011475	Mm.283926	7	7.566	7.983	7.070	7.556	7.859	7.605	7.688	7.898	7.470	7.631	8.243	8.082	8.002	7.879	7.864	7.112	7.213	7.371	7.441	7.865	7.813	7.599	7.780	7.569	
1423984	a at	Meis3	BC003762	Mm.360516	7	7.299	7.222	7.080	7.148	7.765	7.228	7.145	7.150	7.416	7.085	7.167	7.299	7.461	7.103	6.982	7.155	7.397	7.343	7.168	7.116	7.188	7.213	7.152	7.190	
1423985	at	Gnfs5	BC002316	Mm.140804	3	12.476	12.668	12.198	12.373	12.466	12.252	12.339	12.861	12.797	12.488	12.553	12.570	12.567	12.392	12.241	12.287	13.086	12.755	12.395	12.454	12.798	13.031	12.379	12.274	
1423986	a at	Shisa5	BC001653	Mm.371614	6	10.691	10.661	10.695	10.806	10.874	10.652	10.714	10.822	10.779	10.806	10.676	11.425	11.152	10.630	10.851	10.634	11.064	11.098	10.677	10.649	11.112	10.719	10.645	10.441	
1423987	a at	Shisa5	BC001653	Mm.371614	6	11.126	10.472	11.245	10.281	12.427	11.341	8.198	10.255	10.286	8.400	10.152	10.222	10.045	10.922	11.270	10.866	11.223	12.285	10.281	11.328	11.207	11.372	11.218	11.372	
1423988	at	Akl1	BE373450	Mm.29189	2	7.088	7.066	7.250	7.278	7.154	7.313	7.035	7.371	7.098	7.045	6.968	7.119	7.033	6.852	7.051	7.090	7.009	7.925	7.229	7.447	7.283	7.582	7.213	7.057	
1423989	a at	2210010N04Rik	BC025567	Mm.239412	5	9.512	9.629	9.624	9.684	8.998	9.718	9.528	9.904	9.558	9.478	10.138	9.824	9.587	9.685	9.534	10.083	10.075	9.804	8.958	9.850	9.930	9.776	9.664		
1423990	at	Rab2a	BC004580	Mm.41555	5	11.278	10.778	11.304	11.256	11.045	11.345	11.351	11.325	10.326	10.678	10.904	10.897	10.751	10.694	11.038	11.233	11.427	11.282	11.268	11.404	11.338	11.446	11.202	11.274	
1423991	at	Nol1a	BC024998	Mm.40292	5	8.406	8.505	8.448	8.378	8.384	8.385	8.295	8.120	8.164	8.164	8.558	8.580	8.239	8.476	8.385	8.475	8.383	8.483	8.480	8.462	8.347	8.356	8.389	8.582	
1423992	at	Gatad2a	BC019178	Mm.270044	8	9.698	10.219	9.735	9.892	9.892	9.694	9.659	9.418	9.952	9.917	10.064	9.425	9.721	9.997	9.744	9.825	9.147	9.265	9.468	9.592	9.422	9.066	9.785	9.757	
1423993	at	Adp6v1f	BC016553	Mm.371614	6	10.691	10.661	10.695	10.806	10.874	10.652	10.714	10.822	10.779	10.806	10.676	11.425	11.152	10.630	10.851	10.634	11.064	11.098	10.677	10.649	11.112	10.719	10.645	10.441	
1423994	at	Adp6v1f	BC016553	Mm.371614	6	11.126	10.472	11.245	10.281	12.427	11.341	8.198	10.255	10.286	8.400	10.152	10.222	10.045	10.922	11.270	10.866	11.223	12.285	10.281	11.328	11.207	11.372	11.218	11.372	
1423995	at	Kif1b	BC0175246	Mm.402393	4	8.897	8.656	8.998	8.879	8.790	8.945	9.048	8.777	8.747	8.743	8.823	8.819	8.707	8.780	8.862	9.102	8.765	8.918	9.075	9.193	8.761	8.818	9.043	9.193	
1423996	a at	Il4ra	AF000304	Mm.233802	7	8.062	8.095	9.116	7.743	7.807	7.700	7.715	7.715	8.146	8.056	8.464	7.786	7.994	8.437	7.948	8.059	7.616	7.680	7.647	7.787	7.530	7.928	7.856		
1423997	at	Csde1	BC016898	Mm.277713	3	12.170	11.653	12.489	12.369	12.062	12.517	12.339	11.711	11.415	11.965	11.872	11.965	11.809	11.957	12.212	12.461	11.698	12.007	12.233	12.353	11.905	11.800	12.468	12.639	
1423998	at	Gtf3c5	BC027247	Mm.274120	2	7.595	7.783	7.533	7.621	7.756	7.655	7.639	7.968	7.734	7.649	7.537	7.759	7.759	7.633	7.534	7.910	7.843	7.717	7.715	7.621	7.534	7.472	7.466		
1423999	at	Abi1	J02995	Mm.1318	2	9.756	9.575	9.775	9.942	10.010	9.817	9.721	9.642	9.968	9.720	9.546	9.863	9.822	9.670	9.803	9.866	10.150	9.908	9.622	9.777	10.101	9.97			

1424049	at	Lrrc42	BC027203	Mm.29681	4	8.992	9.431	9.019	9.068	9.404	9.106	9.218	9.327	9.564	9.512	9.024	9.318	9.379	9.284	9.335	8.985	9.323	9.298	9.094	9.082	8.967	9.243	8.747	8.983
1424050	s at	Fcfr1	M33760	Mm.265716	8	8.895	9.692	8.670	9.079	9.646	8.918	8.724	9.297	10.043	9.949	9.143	10.202	10.023	9.364	9.448	8.800	8.697	8.818	8.485	8.049	8.937	8.873	8.649	8.431
1424051	at	Col4a2	BC013560	Mm.181021	8	11.829	12.944	11.711	11.891	13.286	11.894	11.748	13.076	13.520	13.402	13.142	13.364	13.535	13.043	13.009	11.697	12.124	12.396	12.407	12.204	12.099	12.149	12.166	11.883
1424052	at	Thsa4	BC013538	Mm.272356	1	10.521	10.383	10.314	10.512	10.486	10.363	10.458	10.841	10.294	10.191	10.163	10.553	10.437	10.114	10.305	10.230	10.116	10.992	10.474	10.550	11.095	11.214	10.501	10.470
1424053	a at	Tcf25	BC024971	Mm.278818	8	11.163	11.630	11.151	11.189	11.505	11.293	11.138	10.751	11.508	11.687	11.335	11.622	11.473	11.463	11.293	11.268	10.879	11.076	11.163	11.191	10.815	10.567	11.032	11.079
1424054	at	Bta5d	BC016566	Mm.60720	10	9.132	9.213	9.047	9.241	9.161	9.285	8.996	9.035	9.068	9.025	8.942	9.186	9.104	8.962	9.009	9.161	9.530	9.597	9.444	9.327	9.387	9.380	8.072	9.084
1424055	at	Ncnos	BC017152	Mm.233080	2	8.181	8.553	8.190	8.451	8.179	8.278	8.192	8.203	8.475	8.602	8.460	8.328	8.393	8.401	8.232	8.338	8.453	8.359	7.958	8.241	8.441	8.553	8.520	8.301
1424056	at	Usp48	BC019125	Mm.218478	4	9.430	9.810	9.526	9.661	9.798	9.783	9.619	9.750	9.773	9.602	9.327	9.738	9.755	9.821	9.622	9.554	9.733	8.995	9.730	9.669	9.630	9.700	9.505	9.420
1424057	at	Gdap2	BC025070	Mm.279228	3	9.144	9.457	9.246	9.132	9.238	9.313	9.303	9.101	9.315	9.318	9.305	9.210	9.285	9.474	9.314	9.192	8.877	8.908	9.191	9.293	9.083	8.786	9.308	9.303
1424058	at	Prrc1	BI155792	Mm.29889	18	9.427	10.635	9.409	9.372	9.538	9.423	9.501	9.645	10.190	9.902	10.061	9.635	9.707	10.192	9.596	9.332	9.236	9.279	9.500	9.298	9.165	9.243	9.202	9.245
1424059	at	Suv420h2	BC024816	Mm.247484	7	8.198	8.664	8.307	8.633	8.710	8.612	8.372	8.558	8.948	8.622	8.446	8.739	8.806	8.562	8.481	8.349	8.626	8.621	8.528	8.579	8.474	8.246	8.292	8.282
1424060	at	Neib3	BC024921	Mm.281749	8	5.920	6.073	5.755	5.863	5.901	5.844	5.829	6.335	5.924	5.833	6.143	5.800	5.821	5.963	5.824	5.855	5.880	5.775	5.839	5.900	5.843	5.859	5.843	5.749
1424061	at	Manbal	BC013803	Mm.228619	2	7.966	8.314	7.820	7.922	8.265	7.872	7.934	8.302	8.584	8.277	8.178	8.363	8.472	7.992	7.928	7.747	7.985	8.253	8.000	7.778	8.228	7.810	7.919	
1424062	at	Ube2d1	BC019464	Mm.270530	10	9.334	9.117	9.274	9.422	9.437	9.645	9.598	8.877	9.941	9.327	9.125	9.390	9.286	9.026	9.382	9.354	9.316	9.707	9.642	9.766	9.776	9.199	9.584	9.766
1424063	at	Abpa	BC016132	Mm.8025	7	6.395	5.896	6.288	6.234	6.152	6.152	6.368	6.245	6.006	6.170	6.170	6.010	6.152	6.074	6.147	6.283	6.207	6.232	6.255	6.466	6.340	6.239	6.279	6.399
1424064	at	Rab1b	BC016408	Mm.182563	19	10.994	11.160	10.969	11.087	11.178	11.056	10.999	11.084	11.198	11.026	10.971	11.245	11.054	10.977	10.960	11.044	11.149	11.219	11.082	11.140	11.240	11.114	10.926	10.775
1424065	at	Edem1	BG064496	Mm.21596	6	7.374	9.428	7.089	7.471	7.967	7.397	7.510	8.130	9.353	9.201	8.125	8.269	8.318	9.007	7.594	7.220	7.120	7.211	7.399	6.841	7.294	7.289	7.707	6.994
1424066	at	Dus3l	AY040840	Mm.293973	17	9.375	9.508	9.290	9.610	9.395	9.281	9.297	9.310	9.349	9.345	9.308	9.464	9.409	9.414	9.323	9.316	9.519	9.334	9.539	9.434	9.357	9.197	9.281	9.269
1424067	at	Icam1	BC008626	Mm.435508	9	8.768	8.813	9.032	8.869	8.612	8.749	9.021	8.510	8.742	9.008	10.430	8.686	8.814	9.024	8.789	9.038	8.384	8.374	8.462	8.165	8.436	8.397	9.016	9.058
1424068	at	Tcra	BC019397	Mm.24670	9	9.316	8.991	9.548	9.364	9.445	9.538	9.496	9.431	8.634	8.915	8.756	9.169	9.205	9.886	9.475	9.504	9.814	9.654	9.590	8.999	9.627	9.716	9.544	9.532
1424069	at	Ncap	AK010275	Mm.292687	18	9.497	9.769	9.562	9.585	9.743	9.731	9.550	9.371	8.988	9.701	9.448	9.823	9.630	8.937	9.694	9.582	9.345	9.534	9.550	9.504	9.247	9.345	9.716	9.449
1424070	at	Napo	AK010275	Mm.292687	18	7.687	7.878	7.565	7.538	7.489	7.511	7.504	7.601	7.904	7.761	7.620	7.699	7.601	7.722	7.513	7.528	7.561	7.484	7.349	7.479	7.572	7.701	7.511	7.338
1424071	s at	BC018507	BC018507	Mm.139738	13	9.954	10.143	10.349	10.346	10.193	10.256	10.158	9.913	10.209	10.241	9.960	10.061	10.034	10.116	10.068	10.292	10.216	10.103	10.118	10.116	10.094	10.320	10.405	10.250
1424072	at	2010107G23Rik	BC024943	Mm.294126	10	5.773	6.630	6.200	5.931	6.633	6.234	6.229	5.932	6.141	6.134	5.785	6.054	6.047	6.035	5.729	6.297	6.139	6.720	6.858	6.742	6.142	6.410	6.329	6.117
1424073	at	5430437P03Rik	BC005692	Mm.21749	8	10.493	10.726	10.276	10.349	10.595	10.130	10.249	10.642	10.637	10.344	10.780	10.597	10.522	10.312	10.062	10.226	10.828	10.689	10.400	10.320	10.680	10.596	10.130	10.010
1424074	at	Btf3a4	AK011367	Mm.379178	4	8.495	8.082	8.483	8.378	8.438	8.680	8.585	8.150	7.951	8.239	7.977	8.229	8.309	8.057	8.439	8.375	8.540	8.633	8.937	8.878	8.237	8.876	8.527	8.857
1424075	at	9430016H08Rik	BC019678	Mm.29255	1	10.409	10.255	10.748	9.948	10.949	10.268	10.059	10.127	10.268	10.059	10.127	10.268	10.059	10.127	10.268	10.059	10.127	10.268	10.059	10.127	10.268	10.059	10.127	10.268
1424076	at	AK016023	AK016023	Mm.475631	13	8.296	8.366	8.468	8.456	8.301	8.683	8.455	8.781	8.205	8.268	7.607	8.432	8.159	8.170	8.222	8.542	8.339	8.686	8.740	8.572	8.312	8.118	8.708	8.617
1424077	at	Gddn1	AK016023	Mm.475631	11	8.197	8.123	8.275	8.359	7.335	8.068	8.225	8.446	8.327	8.013	8.159	8.401	8.284	8.184	8.139	8.284	8.066	8.845	8.512	8.560	8.563	7.659	8.343	7.652
1424078	s at	Pex6	BC003424	Mm.299399	17	10.155	9.811	10.167	10.267	10.048	10.146	9.983	9.555	9.610	9.707	9.711	10.006	9.836	9.810	9.843	10.220	10.344	10.484	10.410	10.554	10.394	10.131	10.400	10.363
1424079	x at	Urm1	BC026994	Mm.20273	2	8.772	8.901	8.765	8.793	8.873	8.794	8.641	8.726	9.050	8.878	8.803	8.881	8.925	8.808	8.564	8.764	8.829	9.010	8.854	8.848	8.827	8.456	8.571	8.664
1424080	at	Dcps	BC016273	Mm.229110	9	7.743	8.435	7.567	7.884	8.537	8.132	8.638	8.720	8.602	8.501	8.418	8.981	8.387	8.091	8.676	7.615	9.125	9.198	8.988	8.975	8.934	9.154	8.517	8.651
1424081	at	Pcaf6	BC016195	Mm.35413	19	8.661	8.887	8.777	8.866	9.186	8.866	8.846	9.018	9.124	9.139	9.147	9.126	9.291	9.196	9.171	8.703	8.770	8.945	9.170	8.858	8.606	8.853	8.590	8.906
1424082	at	Tbcd13d	BC025586	Mm.19172	2	8.104	8.450	7.854	8.122	8.402	7.894	7.955	8.176	8.417	8.360	7.995	7.991	8.270	8.141	7.942	8.033	8.099	8.180	8.194	8.041	8.069	7.992	8.017	7.866
1424083	at	BBS19382	Mm.351640	14	5.377	5.935	5.735	5.599	5.096	5.382	5.734	5.922	5.981	5.843	5.293	5.705	5.281	5.345	5.396	5.250	5.793	4.746	4.950	4.994	4.952	4.984	5.297	5.327	
1424084	at	Rod1	BBS19382	Mm.331640	4	4.432	5.024	4.418	4.356	4.417	4.366	4.471	4.389	4.878	4.830	4.791	4.473	4.610	4.664	4.854	4.370	4.428	4.559	4.444	4.013	4.364	4.751	4.482	4.351
1424085	at	Ndufa4	BC011114	Mm.415865	6	13.542	13.308	13.633	13.538	13.351	13.589	13.516	13.281	12.857	13.261	13.296	13.341	13.076	12.990	13.359	13.630	13.543	13.630	13.584	13.599	13.591	13.439	13.581	13.601
1424086	at	Oaf	BC025514	Mm.246479	9	8.644	9.783	8.097	8.614	9.644	8.485	8.332	9.533	10.554	10.083	9.615	10.228	10.088	9.480	9.366	8.313	8.749	8.663	8.408	8.376	8.274	8.543	8.092	8.113
1424087	at	Psmq3	BC027410	Mm.29070	5	8.280	9.187	8.360	8.243	8.412	8.233	8.279	8.616	8.884	8.577	8.416	8.648	8.515	8.552	8.194	8.173	8.829	8.742	8.414	8.181	8.559	8.677	8.778	7.979
1424088	at	Tcra	AF289484	Mm.251638	15	8.964	9.344	8.476	8.965	9.585	9.073	9.025	9.096	9.126	9.061	8.874	8.983	8.985	9.234	8.875	8.971	9.381	9.441	9.266	9.167	9.216	9.281	8.934	8.793
1424089	a at	Tcf4	UI6321	Mm.4269	18</																								

1424138	at	Rhdbf1	BC027346	Mm.11545	11	10.454	11.004	10.516	10.684	11.182	10.776	10.524	10.657	11.349	11.231	11.140	11.456	11.425	11.047	11.145	10.589	10.364	10.557	10.538	10.502	10.514	10.380	10.661	10.612	
1424139	at	Rap1a	BC011105	Mm.458171	3	11.793	11.991	11.713	11.602	11.656	11.662	11.779	11.934	11.885	11.891	11.919	11.687	11.665	12.004	11.777	11.656	11.759	11.616	11.715	11.569	11.785	11.161	11.780	11.716	
1424140	at	Gale	BC027438	Mm.247946	4	7.377	8.054	7.253	7.429	7.380	7.275	7.337	7.380	7.569	7.460	7.410	7.374	7.352	7.763	7.285	7.199	7.302	7.084	7.499	7.328	7.397	7.302	7.335	7.240	
1424141	at	Hectd1	BC010205	Mm.249391	12	11.192	11.068	11.255	11.272	11.320	11.297	11.230	11.138	11.278	11.460	11.197	11.184	11.245	11.197	11.316	11.342	11.356	11.361	11.456	11.469	11.257	11.438	11.482	11.557	
1424142	at	Hbkap	AF367244	Mm.282743	4	7.851	7.866	7.722	7.843	7.723	7.870	8.103	7.952	7.731	7.601	7.737	7.626	7.727	7.637	7.636	7.778	7.976	8.055	8.158	8.031	8.138	7.971	7.981		
1424143	at	Cd11	AF477481	Mm.21773	8	8.087	10.101	7.841	8.307	8.203	8.637	8.517	8.308	9.268	8.948	8.168	8.519	8.538	8.804	8.577	7.689	8.365	8.107	8.452	8.051	8.364	8.625	8.002	7.709	
1424144	at	Cdt1	AF477481	Mm.21873	8	7.181	8.939	7.073	7.252	7.262	7.155	7.354	7.828	7.440	7.740	7.833	7.343	7.265	8.288	7.132	6.928	7.130	7.006	7.219	7.090	7.236	7.392	6.925	6.748	
1424145	at	Prr3	BC016636	Mm.40036	17	7.053	7.653	7.085	7.410	7.512	7.443	7.174	6.866	7.644	7.707	7.632	7.728	7.482	7.716	7.614	7.171	6.726	7.129	7.287	7.278	7.117	6.899	7.521	7.160	
1424146	at	Gpr371	AB016602	Mm.272290	1	7.311	6.781	7.163	7.346	7.201	7.358	7.268	7.063	7.058	6.866	7.093	6.889	6.922	7.079	7.133	7.287	7.025	7.073	7.265	7.246	7.138	7.135	7.161	7.162	
1424147	at	Ahsa1	BC025552	Mm.22626	12	11.407	11.713	11.478	11.763	11.478	11.650	11.664	11.168	11.360	11.411	11.712	11.369	11.166	11.744	11.440	11.426	11.610	12.011	12.173	12.054	11.700	11.599	11.831	12.157	
1424148	a at	Staa2	BC026642	Mm.204991	7	8.877	9.208	9.017	9.029	8.928	9.067	8.959	9.163	8.905	9.226	9.177	9.359	9.082	8.948	9.235	8.997	8.893	9.110	8.832	9.210	8.925	8.930	8.937	8.829	
1424149	at	Nsmce2	BC009125	Mm.27762	15	8.394	9.065	8.461	8.489	8.571	8.600	8.471	8.536	8.637	8.744	8.410	8.531	8.532	8.669	8.371	8.386	8.678	8.611	8.682	8.531	8.427	8.575	8.275	8.325	
1424150	at	Gddp5	BC024955	Mm.286317	7	8.309	8.463	8.368	8.559	8.331	8.372	8.375	8.313	8.220	8.099	8.313	8.214	8.152	8.183	8.281	8.208	8.432	8.721	8.539	8.563	8.810	8.472	8.348	8.637	
1424151	at	Jlv1	BC026972	Mm.200499	5	9.632	10.190	9.433	9.479	8.680	9.438	9.739	10.078	9.878	9.741	10.134	9.616	9.645	9.959	9.437	9.372	9.974	9.866	9.731	9.665	9.762	9.916	9.256	9.388	
1424152	at	Sall4	BG064756	Mm.434054	2	7.011	7.107	7.390	7.210	7.077	7.219	7.387	7.272	7.096	7.156	7.264	7.099	7.272	7.351	7.266	7.026	7.140	7.237	7.367	7.319	7.413	7.166	7.164	7.301	
1424153	s at	Sall4	BG064756	Mm.434054	2	5.108	5.127	5.151	5.290	5.159	5.117	5.119	5.471	5.287	4.937	5.300	5.128	4.970	5.167	5.286	5.198	5.554	5.144	5.141	5.379	4.958	4.979	5.238	5.273	
1424154	a at	Isca2	BC022589	Mm.25719	12	11.520	11.579	11.378	11.392	11.558	11.435	11.553	11.696	11.532	11.385	11.457	11.664	11.524	11.190	11.275	11.361	11.974	11.896	11.448	11.541	11.785	11.618	11.462	11.382	
1424155	at	Fabp4	BC002148	Mm.582	3	10.437	9.516	10.310	10.148	10.186	10.498	10.357	10.288	8.684	9.136	9.574	10.090	9.823	9.689	10.148	10.271	10.457	10.159	10.152	10.038	10.417	10.815	10.263	9.941	
1424156	at	Rb1	U27177	Mm.244671	2	7.060	8.949	7.009	7.281	8.049	7.511	7.692	8.144	8.128	8.119	8.005	7.358	7.609	8.838	7.515	7.132	6.957	7.002	6.907	6.844	7.100	7.210	6.887	6.772	
1424157	at	Ehd2	BC027084	Mm.138215	7	9.562	9.798	9.563	9.539	9.992	9.793	9.784	9.487	9.750	9.735	9.971	9.592	9.699	10.156	9.869	9.652	9.396	9.650	9.827	9.805	9.243	9.453	9.652	9.587	
1424158	at	Ehd2	BC027084	Mm.138215	7	6.770	6.812	6.704	6.681	6.712	6.658	6.572	6.750	6.681	6.905	6.609	6.579	6.940	6.639	6.900	6.783	6.630	6.603	6.655	6.592	6.859	6.841	6.733	6.910	
1424159	at	1300010M03Rik	BC016089	Mm.33881	11	8.720	8.666	8.696	8.565	8.499	8.718	8.807	8.580	8.677	8.948	8.422	8.767	8.690	8.885	8.865	8.540	8.362	8.493	8.701	8.617	8.439	8.712	9.032	8.723	
1424160	at	Alq5	BC027160	Mm.144218	3	9.357	10.037	9.492	9.235	9.575	9.590	9.485	9.301	9.788	9.891	9.502	9.585	9.661	10.144	9.593	9.420	9.011	9.243	9.545	9.266	9.051	9.153	9.895	9.292	
1424161	at	Ddx27	BC011321	Mm.295031	2	7.662	7.462	6.504	6.756	6.770	6.213	6.241	7.038	7.073	6.788	6.957	7.042	6.811	6.773	6.672	6.425	7.186	6.781	6.392	6.435	6.973	6.901	6.333	6.652	
1424162	at	Trim29	BC027353	Mm.273277	9	7.761	7.511	7.762	7.752	7.679	7.717	7.747	7.949	7.767	7.526	7.548	7.502	7.806	7.628	7.676	7.438	7.566	7.698	7.698	7.632	7.545	7.672	7.615		
1424163	at	Rmnd5b	BC016075	Mm.288183	11	9.185	9.592	9.358	9.299	9.654	9.312	9.362	9.666	9.520	9.482	9.483	9.700	9.497	9.478	9.429	9.336	9.588	9.640	9.557	9.436	9.422	9.466	9.232	9.078	
1424164	at	Sh3p1	BC006749	Mm.280218	10	6.833	7.002	6.822	6.833	6.939	6.845	6.908	6.839	6.828	6.909	6.828	6.909	6.828	6.909	6.828	6.909	6.828	6.909	6.828	6.909	6.828	6.909	6.828	6.909	
1424165	at	Psm1	BC016203	Mm.338103	15	9.065	9.077	9.101	9.035	8.994	9.025	8.999	9.981	9.017	8.952	7.805	8.991	7.792	9.927	9.028	8.971	9.125	9.040	9.035	9.040	9.035	9.040	9.035	8.989	
1424166	at	Msh3	Mm0360	Mm.343101	13	7.849	7.790	7.882	7.959	7.640	7.815	7.731	7.726	7.741	7.417	7.425	7.222	7.638	7.602	7.535	7.493	7.878	7.991	7.680	7.784	7.794	7.783	7.915	7.504	7.691
1424167	a at	Pmm1	BC006809	Mm.18939	15	8.498	9.409	8.613	8.485	9.288	8.551	8.432	8.683	9.721	9.768	8.895	9.552	9.507	9.153	9.113	8.664	8.723	8.730	7.888	8.533	8.506	8.427	8.392	8.438	
1424168	a at	Capzβ	U10406	Mm.2945	4	12.316	12.623	12.317	12.382	12.501	12.348	12.404	12.123	12.527	12.512	12.481	12.394	12.408	12.575	12.273	12.307	12.049	12.391	12.362	12.300	12.077	11.958	12.234	12.173	
1424169	at	Tax1b03	BC008166	Mm.371656	11	10.817	11.470	10.731	10.851	11.343	10.848	10.791	11.127	11.904	11.597	11.370	11.623	11.689	11.505	11.460	10.708	10.861	11.078	11.056	11.037	10.913	10.757	10.856	10.813	
1424170	at	Phf5a	BC025611	Mm.27175	10	10.612	11.172	10.815	10.873	10.713	10.888	10.857	10.453	10.800	10.772	10.700	10.704	10.659	11.102	10.678	10.815	10.613	10.884	11.010	10.785	10.580	10.581	10.716	10.764	
1424171	a at	Hahh	BC004749	Mm.43784	17	10.450	10.897	10.686	10.596	10.812	10.551	10.524	11.158	10.973	10.714	10.137	11.089	10.846	10.639	10.672	10.627	10.493	11.000	10.905	10.452	10.764	10.751	10.716	10.123	
1424172	at	U27177	Mm.244671	11	10.794	11.236	12.001	11.933	10.924	11.952	11.487	11.093	11.309	11.377	11.629	11.598	10.356	11.650	11.054	11.022	10.944	10.911	11.214	10.905	11.023	11.010	10.905	11.010	10.905	
1424173	at	Tmem48	BC021337	Mm.28478	4	4.971	4.901	5.342	5.099	5.088	5.092	4.919	4.809	4.850	4.937	5.025	5.151	4.961	5.110	5.085	5.249	4.864	4.753	5.306	5.275	4.807	4.887	5.026	5.368	
1424174	at	Shkbp1	AF246218	Mm.21297	7	9.141	9.629	9.138	9.390	9.360	9.272	9.216	9.338	9.731	9.463	9.288	9.332	9.526	9.624	9.278	9.038	9.252	9.272	9.244	9.125	9.924	9.228	9.018	8.938	
1424175	at	Tef	BC017689	Mm.270278	15	11.212	10.904	11.287	11.644	11.561	11.934	11.402	11.326	10.734	10.957	10.904	11.508	11.263	11.057	11.515	11.390	11.599	11.503	11.241	11.652	11.912	11.925	11.647	11.746	
1424176	a at	Anxa4	BE628614	Mm.259702	6	8.416	9.532	8.351	8.239	8.499	8.405	8.383	8.334	8.901	9.914	8.969	9.237	9.344	9.406	8.882	8.383	7.416	8.013	8.366	7.847	7.924	7.725	7.924	8.205	
1424177	at	Tmem38a	BC014728	Mm.221927	8	11.840	11.350	11.949	11.805	11.518	11.785	11.779	11.497	10.658	11.103	11.345	11.375	11.004	10.920	11.457	11.390	11.850	11.875	11.839	11.917	11.913	11			

1424227	at	Poir3h	AK019868	Mm.215115	15	8.846	9.191	9.020	9.045	9.004	9.080	9.006	8.667	9.005	8.972	9.060	8.951	9.003	8.887	8.824	9.061	9.112	9.181	9.049	9.168	8.979	9.105	8.974		
1424228	at	Poir3h	AK019868	Mm.215115	15	8.169	7.539	8.046	8.100	7.803	7.793	8.068	7.792	7.548	7.677	7.820	7.877	7.583	7.763	7.889	8.114	8.038	8.071	8.097	7.928	8.130	8.003	8.014	8.230	
1424229	at	Dvrc3	BC006704	Mm.39299	1	6.033	5.821	5.701	5.710	5.904	5.791	5.799	5.789	6.314	5.844	6.562	5.793	5.866	5.862	5.872	5.912	5.680	5.841	5.854	5.868	5.709	5.824	5.767	5.748	
1424230	at	Exoc6	BC026859	Mm.24865	19	7.146	7.087	7.098	7.280	7.148	7.016	7.120	7.407	7.145	7.206	7.170	7.121	7.085	7.153	7.305	6.918	7.179	7.011	7.028	6.981	7.160	7.286	7.094	7.327	
1424231	s at	Exoc6	BC026859	Mm.24865	19	8.984	9.234	9.053	10.189	10.014	9.985	10.067	10.031	9.989	10.009	10.003	9.876	9.836	10.031	10.030	10.113	10.057	9.930	10.063	10.179	9.874	10.046	10.101	10.179	
1424232	a at	Ftjld1	BC025546	Mm.275341	8	5.789	6.030	5.572	5.922	5.737	5.847	5.777	5.805	5.723	5.785	6.092	5.547	5.595	5.882	5.812	5.925	5.698	5.873	5.860	6.089	5.858	5.858	5.830		
1424233	at	Meox2	BC002076	Mm.341398	12	8.747	8.817	8.773	8.621	8.648	8.663	8.718	9.432	8.486	8.915	8.864	8.823	8.706	8.892	9.173	8.616	8.972	8.676	8.715	8.737	8.931	9.062	8.951	8.434	
1424234	s at	Meox2	BC002076	Mm.341398	12	9.339	9.607	9.411	9.318	9.376	9.297	9.561	10.121	9.258	9.726	9.455	9.569	9.515	9.539	9.864	9.300	9.528	9.364	9.374	9.444	9.620	9.930	9.140	8.933	
1424235	at	Ormdl2	BC002146	Mm.235562	10	8.732	9.473	8.552	8.711	8.902	8.686	8.848	9.078	9.529	9.223	9.050	9.017	9.149	9.203	8.746	8.743	8.823	8.861	8.783	8.451	9.000	8.851	8.842	8.510	
1424236	at	Tfcd10b	AF285112	Mm.41420	7	10.051	10.749	10.073	10.233	10.519	10.165	10.116	10.406	10.796	10.718	10.182	10.763	10.603	10.667	10.474	10.187	10.101	10.260	10.284	10.253	10.273	10.232	10.248	10.255	
1424237	at	Zfp639	BC003941	Mm.285620	3	9.415	9.415	9.349	9.290	9.306	9.320	9.373	9.521	9.429	9.424	9.293	9.388	9.297	9.203	9.344	9.264	9.752	9.531	9.512	9.393	9.569	9.690	9.463	9.441	
1424238	at	Sirrt	BC026403	Mm.292957	11	8.557	8.883	8.460	8.677	8.770	8.547	8.362	8.519	8.851	8.726	8.653	8.817	8.794	8.819	8.573	8.460	8.661	8.745	8.502	8.414	8.572	8.621	8.520	8.302	
1424239	at	Zx1006E14Rik	BC006820	Mm.41261	8	9.311	9.704	9.196	9.409	9.579	9.094	9.137	9.814	9.755	9.623	9.633	9.891	9.708	9.284	9.377	9.266	9.927	9.761	9.333	9.266	9.865	9.376	9.321		
1424240	at	Arrfp2	BC022942	Mm.41637	7	8.696	8.883	8.662	8.666	8.875	8.722	8.759	8.824	9.011	8.960	8.858	8.727	8.878	8.950	8.646	8.739	8.732	8.764	8.861	8.781	8.740	8.655	8.693	8.623	
1424241	at	S3c30a6	AF233344	Mm.243943	17	8.688	9.171	8.907	8.816	9.010	8.942	8.857	8.673	9.174	9.241	8.895	8.909	8.939	9.176	8.873	8.861	8.876	8.975	9.066	8.868	8.720	8.826	8.687	8.792	
1424242	at	Bphl	BC023146	Mm.140243	13	10.642	10.201	10.746	10.801	10.661	10.685	10.576	10.606	10.330	10.342	10.404	10.928	10.659	10.203	10.617	10.701	10.171	10.171	10.916	10.800	10.731	10.979	11.206	10.569	10.570
1424243	at	Rwdd4a	AK005797	Mm.273081	8	9.947	9.966	10.238	9.906	9.587	10.116	10.117	9.490	9.126	9.565	9.953	9.705	9.347	8.909	9.797	10.219	9.750	10.196	10.118	10.218	9.822	9.534	10.052	10.091	
1424244	at	Rwdd4a	AK005797	Mm.273081	8	9.535	10.299	9.661	9.623	9.537	9.522	9.698	10.070	9.638	9.449	10.121	9.687	9.435	9.841	9.307	9.611	9.865	10.061	9.671	9.573	9.816	9.865	9.355	9.352	
1424245	at	Ces2	BC015290	Mm.28191	8	6.645	6.362	6.611	6.361	6.414	6.242	6.610	6.432	6.336	6.448	6.438	6.504	6.718	6.247	6.577	6.427	6.465	6.419	6.453	6.529	6.333	6.393	6.601	6.552	
1424246	a at	Tes	BC003808	Mm.436548	6	8.345	8.747	7.986	7.853	8.222	7.929	8.130	8.424	8.551	8.533	8.671	7.989	8.387	8.932	8.261	8.161	7.778	7.059	7.778	7.790	8.159	8.042	8.685	8.442	
1424247	at	Erc1	BC002272	Mm.288860	6	8.750	8.705	8.646	8.977	8.894	9.071	9.001	8.558	8.792	8.769	8.977	8.804	8.593	8.759	8.690	8.792	9.111	9.155	9.189	9.060	9.119	9.033	9.075	9.322	
1424248	at	Arp21	BB159263	Mm.297444	9	6.618	6.301	6.462	6.388	6.448	6.341	6.625	6.383	6.326	6.528	6.646	6.287	6.426	6.429	6.585	6.615	6.518	6.504	6.498	6.731	6.350	6.372	6.652	6.571	
1424249	a at	Arhqaap	BC024535	Mm.227198	10	9.606	9.594	9.456	9.667	9.447	9.521	9.649	9.550	9.612	9.600	9.563	9.456	9.491	9.754	9.500	9.632	9.497	9.578	9.544	9.691	9.583	9.395	9.575	9.618	
1424250	a at	Arhqa2	BC012262	Mm.248606	14	7.430	7.293	7.583	7.574	7.396	7.408	7.440	7.716	7.101	7.330	7.160	7.579	7.246	7.263	7.790	7.481	7.529	7.597	7.557	7.298	7.888	7.946	7.597	7.782	
1424251	a at	Hnrpd1	BC021374	Mm.426680	5	12.920	12.722	12.729	12.618	12.718	12.920	12.909	12.742	12.912	12.381	12.745	12.953	12.517	12.865	12.167	12.667	12.795	12.944	13.132	12.916	12.696	12.721	12.655	12.874	
1424252	at	Hnrpd1	BC021374	Mm.426680	5	10.079	10.099	9.958	9.985	9.832	10.131	10.220	9.834	9.747	9.857	9.990	9.794	9.795	10.162	9.995	9.888	9.752	9.737	10.019	9.933	9.737	9.924	9.583	10.172	
1424253	at	Zf37G14Rik	BC027285	Mm.426661	11	8.975	8.545	8.608	8.580	8.810	8.352	8.552	9.994	8.956	8.926	8.989	9.933	9.956	9.729	9.734	9.829	9.734	9.829	9.734	9.829	9.734	9.829	9.734	9.829	
1424254	at	Hftrm1	BC027285	Mm.426661	11	8.975	8.545	8.608	8.580	8.810	8.352	8.552	9.994	8.956	8.926	8.989	9.933	9.956	9.729	9.734	9.829	9.734	9.829	9.734	9.829	9.734	9.829	9.734	9.829	
1424255	at	Supt5h	BC007132	Mm.285906	7	10.673	10.824	10.711	10.716	10.845	10.746	10.474	10.715	10.855	10.797	10.607	10.988	10.864	10.759	10.692	10.823	11.169	10.961	10.849	10.819	10.869	11.029	10.867	10.746	
1424256	at	Rdh12	BC016204	Mm.274373	12	5.923	5.732	6.045	5.763	5.646	5.718	5.735	5.834	5.836	5.728	5.631	5.752	5.786	5.590	5.630	5.917	5.808	5.717	5.738	5.624	5.912	5.529	5.681	5.868	
1424257	at	Cdk7	BC004605	Mm.259718	13	7.696	7.537	7.683	7.453	7.471	7.739	7.612	7.353	7.268	7.387	7.310	7.523	7.319	7.664	7.523	7.630	7.589	7.593	7.789	7.803	7.580	7.454	7.418	7.257	
1424258	at	Poir2d	BC004810	Mm.179898	18	8.995	9.566	8.989	9.285	9.336	9.205	9.212	9.361	9.347	9.131	9.136	9.333	9.270	9.298	9.059	9.132	9.511	9.525	9.436	9.287	9.316	9.386	9.014	8.896	
1424259	at	Lmf1	BC020104	Mm.12787	17	9.302	9.196	9.187	9.291	9.134	9.148	9.238	9.026	9.105	9.119	9.234	9.196	9.125	8.919	8.944	9.229	9.116	9.366	9.177	8.867	9.394	9.128	8.805	9.016	
1424260	at	Slic21a	U02073	Mm.39174	2	5.902	5.504	5.609	5.581	5.615	5.684	5.581	5.567	6.024	5.735	5.748	5.621	5.545	5.625	5.797	5.549	5.634	5.659	5.789	5.817	5.739	5.710	5.719	5.862	
1424261	at	Zfp672	BC009358	Mm.13912	13	8.953	10.172	9.900	10.073	9.492	9.124	9.054	9.686	9.921	9.345	9.759	9.732	8.499	9.924	9.502	9.265	9.950	9.265	9.950	9.265	9.950	9.265	9.950	9.265	
1424262	at	2810003C17Rik	BC024599	Mm.24838	2	10.129	9.551	10.149	10.018	9.774	10.085	10.118	9.816	9.892	9.783	10.282	9.741	9.848	10.003	10.097	10.091	10.001	10.033	10.177	10.257	9.917	9.754	10.180	10.240	
1424263	at	Dck1	BC024599	Mm.24838	2	7.758	7.488	7.844	7.918	7.703	7.785	7.744	7.734	7.686	7.549	7.694	7.668	7.736	7.634	7.557	7.844	7.755	7.722	7.718	7.768	7.833	7.676	7.824	7.729	
1424264	at	Med6	BC013096	Mm.279993	12	6.237	6.443	6.397	6.400	6.487	6.223	6.451	6.335	6.320	6.572	6.209	6.478	6.420	6.525	6.478	6.349	6.198	6.139	6.420	6.267	6.285	6.501	5.997	6.417	
1424265	at	Npl	BC022734	Mm.24887	1	7.391	8.034	7.398	7.719	7.174	7.467	7.501	7.320	7.783	7.719	7.636	7.273	7.289	8.037	6.931	7.314	6.816	6.748	7.009	6.637	7.077	6.954	6.706	6.673	
1424266	s at	AU018778	BC013479	Mm.29110	8	6.348	5.975	6.229	6.298	6.098	6.048	6.300	6.208	6.034	5.860	6.154	6.030	5.901	5.996	5.984	6.161	6.373	5.988	6.239	6.229	6.189	5.883	6.169	6.193	
1424267	at	1810043G02Rik	BC013039	Mm.297512	10	7.718	7.392	7.365	7.624	7																				

1424316	at	Slc25a19	BC018167	Mm.383426	11	8.886	9.367	9.086	9.297	9.196	9.277	9.163	9.301	9.022	9.156	8.668	9.171	8.853	9.061	8.874	9.039	9.521	9.651	9.406	9.433	9.317	9.328	9.165	9.172	
1424317	at	Slc25a19	BC018167	Mm.383426	11	8.801	8.740	8.713	8.882	8.881	8.850	8.460	9.069	8.809	8.704	8.594	8.595	8.487	8.666	8.668	8.630	8.897	8.887	9.022	9.056	8.918	8.702	8.764	8.486	
1424318	at	1110067D22Rik	BC019131	Mm.76694	11	10.275	10.366	10.483	10.411	10.873	10.585	10.274	10.418	10.626	10.814	10.452	10.653	10.622	10.315	10.674	10.442	10.426	10.418	10.470	10.433	10.927	10.446	10.583	10.471	
1424319	at	Oraov1	BC013564	Mm.389995	7	9.489	9.919	9.670	9.884	9.999	9.804	9.651	9.805	9.837	9.669	9.561	10.050	9.882	9.832	9.874	9.633	10.220	10.175	9.988	10.005	9.925	9.977	9.811	9.851	
1424320	a at	Trat7	BC001954	Mm.275150	17	8.618	9.278	9.768	8.801	9.027	8.874	8.744	8.984	9.110	8.983	8.945	9.143	8.937	9.024	8.938	8.802	8.959	8.854	8.959	8.854	8.765	8.718	8.789		
1424321	at	Rfc4	BC003935	Mm.386835	16	7.265	7.769	7.387	7.449	7.748	7.584	7.526	7.818	7.235	7.353	7.303	7.087	7.008	7.493	7.181	7.351	7.341	7.663	7.708	7.346	7.397	7.585	7.309	7.537	
1424322	at	Apex2	AB072498	Mm.440275	X	7.085	7.367	7.357	7.003	7.151	7.104	7.167	7.187	7.278	7.300	7.329	7.260	7.302	7.225	7.221	7.356	7.555	7.488	7.528	7.410	7.360	7.486	7.281	7.517	
1424323	at	Noc2i	BC020013	Mm.423051	4	8.174	8.819	7.896	8.118	8.380	8.011	8.010	8.208	8.413	8.210	8.575	8.236	8.108	8.334	7.942	7.752	8.280	8.274	8.201	8.014	8.200	8.355	8.258	8.046	
1424324	at	Esco1	BB308198	Mm.210996	18	8.870	8.855	8.497	8.423	8.332	9.100	8.832	8.714	7.673	8.026	7.973	8.824	8.548	8.500	8.367	8.504	8.910	8.622	8.727	8.705	8.803	9.003	8.662	8.785	
1424325	at	Esco1	BB308198	Mm.210996	18	7.469	7.309	7.892	7.648	7.636	7.293	7.384	7.930	7.505	7.693	7.318	7.309	7.188	7.271	7.520	7.752	7.529	7.343	7.491	7.567	7.759	8.141	7.768	7.578	
1424326	at	Lmd2	BC026588	Mm.29689	17	9.729	9.853	9.656	9.744	9.700	9.620	9.499	9.686	9.654	9.720	9.712	9.752	9.790	9.675	9.661	9.695	9.688	9.686	9.573	9.618	9.582	9.664	9.281	9.735	
1424327	at	3200002M19Rik	BC006736	Mm.284481	7	7.269	8.470	6.952	7.071	7.705	7.162	7.124	7.987	8.453	8.418	7.699	8.093	8.066	7.869	7.450	6.968	7.393	7.377	6.999	6.745	7.437	7.786	6.822	6.925	
1424328	s at	3200002M19Rik	BC006736	Mm.284481	7	6.811	8.051	6.673	6.704	7.247	6.952	6.890	7.429	7.955	7.693	7.160	7.716	7.413	7.536	7.116	6.561	6.790	6.884	6.711	6.360	6.500	7.023	6.579	6.665	
1424329	a at	Prrn2	BC025098	Mm.379098	7	7.269	7.947	7.307	7.500	7.716	7.449	7.488	7.673	8.201	8.017	7.615	8.091	8.155	7.597	7.759	7.484	7.661	7.758	7.613	7.336	7.556	7.767	7.922	7.309	
1424330	at	Senp1	BC023129	Mm.384023	15	7.538	8.096	7.673	7.320	7.589	7.725	7.692	7.585	8.038	7.847	7.903	7.629	7.590	8.100	7.787	7.802	7.438	7.554	7.470	7.435	7.564	7.637	7.655	7.683	
1424331	at	Rab40c	AF422144	Mm.328872	17	9.205	9.329	9.180	9.345	9.393	9.178	9.242	9.334	9.537	9.326	9.116	9.624	9.541	9.373	9.309	9.206	9.568	9.548	9.347	9.262	9.492	9.678	9.189	9.140	
1424332	at	Rab40c	AF422144	Mm.328872	17	6.078	5.923	6.000	5.973	6.030	6.168	6.231	5.895	5.824	5.936	6.046	6.073	5.812	6.060	6.035	6.250	5.913	5.849	5.959	6.007	5.854	5.669	5.511	5.875	
1424333	at	Rq9mtid1	BC023147	Mm.288742	16	8.201	8.286	8.339	8.078	7.952	8.250	8.153	8.405	7.884	8.126	8.241	7.973	7.876	8.134	8.144	8.353	8.444	8.170	8.213	8.009	8.260	8.352	8.257	8.401	
1424334	at	Tspan17	BC010346	Mm.32883	13	8.078	8.775	8.096	8.232	8.484	8.186	7.994	8.184	8.927	9.166	8.437	8.819	8.756	8.913	8.502	8.178	7.898	7.957	7.975	7.935	8.001	7.962	8.050	8.051	
1424335	at	Pcdc	BB329391	Mm.250508	9	8.135	8.425	7.986	8.006	8.450	8.045	8.039	8.142	8.306	8.197	8.030	8.061	8.358	8.010	8.023	7.915	8.412	8.379	8.264	8.232	8.457	8.201	7.942	7.936	
1424336	at	Tspan17	BB329391	Mm.250508	9	5.925	6.486	7.014	6.729	5.575	6.490	6.333	6.426	5.758	5.856	5.989	6.868	6.452	6.720	6.181	6.739	5.510	6.641	6.363	6.418	5.810	6.583	6.362	6.103	
1424337	at	Snx15	BC016091	Mm.329629	19	9.823	10.052	9.632	9.884	8.979	9.716	9.856	9.752	9.958	9.772	9.816	9.761	9.843	9.823	9.653	9.706	9.903	10.105	9.945	9.886	9.859	9.781	9.761	9.756	
1424338	at	Scl6a13	BC023117	Mm.258596	6	6.450	6.261	6.388	6.549	6.369	6.271	6.427	6.559	6.271	6.255	6.391	6.372	6.346	6.310	6.363	6.578	6.624	6.603	6.472	6.438	6.148	6.263	6.495		
1424339	at	Oasl1	AB067533	Mm.95479	5	7.700	8.004	7.745	7.764	7.864	7.769	7.993	8.137	8.017	8.000	8.279	7.813	8.067	8.349	7.787	7.683	7.780	7.800	7.913	7.712	7.780	7.895	7.898	7.616	
1424340	at	Lrrc4	BC018412	Mm.133570	11	7.416	7.180	7.494	7.547	7.350	7.367	7.292	7.426	7.010	7.265	7.267	7.250	7.260	8.647	7.440	7.499	7.749	7.321	7.498	7.339	7.336	7.098	7.298	7.393	
1424341	s at	Pcdha6	AW146252	Mm.308500	18	4.633	4.619	4.929	4.785	4.644	4.729	4.922	4.640	4.508	4.576	4.403	4.500	4.715	5.026	4.918	4.931	4.790	4.915	4.790	4.731	4.914	4.728	4.715	4.747	
1424342	at	Fyrtd1	Mm.19231	16	10.041	10.046	10.038	10.038	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	10.041	
1424343	at	BM200591	Mm.262037	18	8.552	9.789	8.520	8.248	8.388	8.513	9.390	8.225	8.569	8.437	8.475	8.917	8.613	8.318	8.607	8.319	7.621	7.682	7.982	7.490	8.098	7.928	8.399	8.124	8.399	
1424344	s at	Eif1a	BM200591	Mm.262037	18	8.606	9.385	8.363	8.122	8.455	8.384	8.408	8.673	9.164	8.979	9.403	8.596	8.877	9.385	8.625	8.313	8.212	7.927	8.424	8.006	8.060	8.243	8.234	8.155	
1424345	s at	Ube2m	BC021792	Mm.196580	7	10.459	11.009	10.459	10.232	10.306	10.632	10.853	10.318	10.680	10.713	10.287	10.514	9.955	10.775	10.061	10.591	10.174	10.781	10.344	10.654	10.231	9.852	10.537	10.108	
1424346	at	Ppp6c	BG065679	Mm.389242	2	9.842	10.074	9.882	9.806	9.798	9.961	10.043	9.941	9.972	9.993	10.024	9.888	9.911	10.176	10.010	9.961	9.538	9.612	9.930	9.981	6.991	9.779	10.037	9.918	
1424347	at	Ppp6c	BG065679	Mm.389242	2	10.693	10.524	10.771	10.525	10.401	10.671	10.733	10.257	10.112	10.565	10.445	10.267	10.341	10.615	10.486	10.856	10.377	10.556	10.749	10.817	10.483	10.335	10.700	10.825	
1424348	at	1110007A13Rik	BC025641	Mm.58882	7	9.481	9.437	9.454	9.495	9.395	9.388	9.291	9.184	9.247	9.363	9.407	9.249	9.303	9.531	9.330	9.604	9.122	9.228	9.389	9.449	9.180	9.096	9.385	9.503	
1424349	a at	Lnat1	BE987427	Mm.277958	1	11.440	11.465	11.578	11.439	11.379	11.215	11.417	11.620	11.407	11.447	11.394	11.483	11.358	11.295	11.342	11.176	11.558	11.443	11.341	11.370	11.481	11.588	11.305	11.562	
1424350	at	Ppp6c	BE987427	Mm.277958	1	9.703	9.692	9.522	9.768	9.736	9.805	9.785	9.592	9.965	9.513	9.935	9.907	9.597	9.367	9.553	9.701	9.537	9.717	9.537	9.717	9.537	9.717	9.537	9.717	
1424351	at	Wfdc2	AF334269	Mm.27289	2	6.355	5.816	6.093	6.182	6.036	6.158	6.066	6.087	6.074	5.942	6.061	5.836	6.029	5.809	6.019	6.002	6.182	6.011	6.229	6.140	6.201	5.974	6.113	6.104	
1424352	at	Cyp4a12a	BC025936	Mm.276106	4	6.514	6.050	6.467	6.527	6.429	6.285	6.438	6.309	6.108	6.131	6.390	6.192	6.358	6.294	6.115	6.503	6.146	6.184	6.515	6.382	6.375	6.236	6.467	6.526	
1424353	at	Lrrpcr	BC004681	Mm.217027	17	11.060	10.590	11.111	11.136	10.523	11.191	11.051	10.504	9.918	10.267	10.353	10.410	10.087	10.443	10.549	11.204	10.959	10.963	10.902	11.078	10.868	10.807	10.882	11.392	
1424354	at	Tmem44	BC020080	Mm.248440	6	9.057	8.375	8.910	8.838	8.968	8.746	9.293	9.572	8.778	8.933	8.559	9.631	9.458	8.544	9.542	8.984	9.659	9.210	8.973	9.026	9.626	9.881	9.727	9.235	
1424355	a at	Sin3b	AF038848	Mm.2137	8	10.333	10.749	10.248	10.353	10.537	10.427	10.496	10.772	10.698	10.551	10.494	10.779	10.682	10.427	10.409	10.407	10.882	10.736	10.613	10.412	10.755	10.720	10.318	10.173	
1424356	a at	Metrnl	BC024445	Mm.135565																										

1424405	at	Mbip	BC002277	Mm.25656	12	8.590	8.176	8.421	8.477	8.376	8.650	8.545	8.642	8.380	8.415	8.370	8.308	8.523	8.362	8.572	8.528	8.912	8.716	8.646	8.698	8.517	8.763	8.318	8.579
1424406	at	Bcl2113	BC027307	Mm.27990	6	9.941	10.099	10.008	9.909	9.934	9.912	10.032	10.119	9.834	10.092	10.070	9.945	9.775	9.909	10.082	10.083	10.210	10.139	10.122	10.069	9.948	10.105	10.172	10.278
1424407	s at	Cbx6	BC019942	Mm.34838	15	8.335	8.870	8.560	8.758	9.146	8.831	8.848	8.921	9.129	9.204	8.537	9.338	9.063	9.121	8.995	8.747	8.692	8.673	8.781	8.597	8.418	8.697	8.665	8.475
1424408	at	Lims2	BC010816	Mm.24551	18	10.135	9.865	10.511	10.358	10.550	10.425	10.121	10.221	10.132	10.056	10.049	10.626	10.412	10.047	10.513	10.438	10.364	10.567	10.288	10.537	10.734	10.810	11.008	10.689
1424409	at	Cln23	BC019834	Mm.37817	8	5.032	5.071	5.021	4.618	5.240	4.684	4.803	5.167	5.864	5.027	5.281	5.070	5.172	5.094	5.429	4.955	4.774	5.287	4.818	4.833	4.799	4.654	4.834	4.858
1424410	at	Tmem8	BC017523	Mm.282660	12	6.641	7.313	6.390	6.928	7.027	6.851	6.444	7.323	7.171	6.568	7.047	7.033	6.847	6.644	6.344	6.569	6.683	6.649	6.351	6.141	6.591	6.264	5.981	
1424411	at	Tlcm189	BB208266	Mm.4863	2	8.382	8.675	8.169	8.383	8.455	8.125	8.512	8.543	8.811	8.523	8.425	8.545	8.664	8.600	8.384	8.177	8.540	8.425	8.438	8.356	8.427	8.399	8.357	8.293
1424412	at	Oqfr11	BE605008	Mm.28013	1	9.148	9.796	9.512	9.232	8.990	9.698	9.655	9.571	9.459	9.611	9.233	9.881	9.783	9.346	9.713	9.400	9.460	9.685	9.727	9.443	9.373	9.889	9.910	9.662
1424413	at	Oqfr11	BE605008	Mm.28013	1	7.894	8.440	8.016	7.877	8.696	8.396	8.303	8.236	8.234	8.592	7.926	8.673	8.578	8.114	8.561	7.970	8.020	8.344	8.480	8.200	7.885	8.380	8.027	8.437
1424414	at	Oqfr11	BE605008	Mm.28013	1	8.161	8.387	8.248	8.123	8.486	8.297	8.301	8.251	8.540	8.539	8.321	8.534	8.605	8.420	8.600	8.116	8.237	8.475	8.711	8.614	8.298	8.447	8.324	8.538
1424415	s at	Spon1	BC020531	Mm.334160	7	7.183	6.951	7.211	7.242	7.094	7.456	7.229	7.274	7.108	7.011	7.234	7.159	7.146	7.192	7.259	7.268	7.448	7.511	7.282	7.250	7.331	7.215	7.323	7.330
1424416	at	Nkras2	BC024398	Mm.2174734	11	10.124	10.490	10.071	10.393	10.474	10.366	10.257	10.047	10.301	10.357	10.036	10.457	10.275	10.173	10.180	10.107	10.446	10.703	10.514	10.444	10.404	10.248	10.243	10.133
1424417	at	Vps36	BC010811	Mm.41453	8	6.527	6.196	6.500	6.439	6.325	6.546	6.380	6.263	6.273	6.293	6.301	6.092	6.108	6.369	6.433	6.501	6.456	6.277	6.596	6.749	6.388	6.128	6.405	6.696
1424418	at	Sik25a38	BC010801	Mm.236656	9	9.615	9.672	9.672	10.045	9.687	9.740	9.566	9.500	9.554	9.570	9.505	9.450	9.432	9.412	9.437	9.721	9.793	9.829	9.636	9.800	10.083	9.824	9.905	9.915
1424419	at	Lrrc14	BC022126	Mm.277582	15	7.572	8.021	7.745	7.594	7.704	7.621	7.773	7.551	8.013	7.872	7.478	7.760	7.786	7.948	7.687	7.646	7.671	7.879	7.880	7.732	7.623	7.455	7.684	7.555
1424420	at	Ccpq1	BC006717	Mm.268475	9	8.640	8.624	8.789	8.716	8.849	8.630	8.603	8.859	8.993	9.134	8.360	9.105	8.927	8.443	9.030	8.965	9.062	8.776	8.662	8.562	9.032	9.243	8.788	8.683
1424421	at	Lenep	BC006806	Mm.258142	3	9.698	10.079	9.775	9.901	9.884	9.725	9.875	9.956	9.902	9.669	9.701	9.853	9.704	9.648	9.573	9.791	10.230	10.409	10.063	10.041	10.269	10.002	9.904	9.714
1424422	s at	Lenep	BC006806	Mm.258142	3	8.130	7.989	8.088	8.079	8.202	8.188	8.194	8.200	7.646	7.794	7.683	8.157	7.791	7.839	7.732	8.046	8.691	8.657	8.083	8.353	8.456	8.502	8.062	8.136
1424423	at	Lenep	BC006806	Mm.258142	3	6.820	6.861	6.691	6.812	6.704	6.889	6.804	6.699	6.672	6.626	6.693	6.794	6.622	6.658	6.696	6.898	7.069	7.051	6.935	6.827	6.989	6.957	6.857	6.776
1424424	at	Sic39a1	BC005474	Mm.294709	3	9.575	10.275	9.371	9.412	9.674	9.557	9.509	9.710	9.965	9.950	9.720	9.665	9.754	10.033	9.553	9.485	9.365	9.300	9.566	9.061	9.443	9.514	9.317	9.309
1424425	a at	Mtap	BG075139	Mm.28500	4	10.374	10.851	10.573	10.381	10.356	10.688	10.601	10.409	10.641	10.673	10.237	10.563	10.625	10.833	10.373	10.552	10.584	10.466	10.525	10.389	10.365	10.617	10.144	10.551
1424426	at	Mtap	BG075139	Mm.28500	4	8.851	9.604	9.274	9.150	8.954	9.551	9.303	8.636	9.064	9.109	8.910	8.851	9.083	9.534	8.869	9.412	8.947	8.884	9.212	9.199	8.722	9.055	9.360	9.442
1424427	at	Tada11	BC027337	Mm.100665	1	7.646	8.078	7.655	7.771	7.843	7.847	7.818	7.719	7.976	8.201	8.024	7.752	7.862	8.050	7.831	7.505	7.738	7.729	7.696	7.635	7.696	7.738	7.709	7.823
1424428	at	Ino80e	BG065288	Mm.266301	7	8.928	9.186	8.874	8.830	8.915	8.955	8.899	9.115	9.007	8.979	8.919	8.994	8.877	8.893	8.912	8.822	9.160	9.220	9.005	8.917	9.082	9.025	8.786	8.686
1424429	s at	Ino80e	BG065288	Mm.266301	7	7.879	7.903	7.599	7.715	7.763	7.752	7.715	7.922	7.992	7.958	7.829	7.949	7.736	7.805	7.792	7.510	7.827	7.856	7.566	7.803	7.819	7.897	7.694	7.787
1424430	at	Mterf2d	BC002280	Mm.52809	11	7.943	8.173	7.945	8.011	7.985	8.159	7.886	8.448	8.138	8.116	7.528	8.079	8.000	8.061	7.860	8.056	8.594	8.441	8.069	7.943	8.240	8.391	7.783	7.782
1424431	at	Ubr1	BC023113	Mm.300317	6	9.147	9.305	9.045	9.165	9.087	9.153	9.170	9.453	9.104	9.263	9.183	9.267	9.137	9.118	9.054	9.024	9.137	9.054	9.137	9.054	9.137	9.054	9.137	9.054
1424432	at	Ubr1d1	BC027354	Mm.301129	10	10.503	10.331	10.122	10.170	10.046	9.984	10.079	10.135	10.444	10.255	10.365	10.207	10.273	10.200	10.105	10.179	10.249	10.214	10.243	10.239	10.103	9.922	10.053	10.157
1424433	at	Msr2b	BC021619	Mm.27166	2	10.851	10.442	11.113	11.307	10.729	11.177	10.851	10.695	9.841	10.127	10.230	10.685	10.340	10.062	10.824	11.143	11.554	11.279	11.148	11.370	11.344	11.286	11.139	11.323
1424434	at	BC024814	BC024814	Mm.214953	16	10.052	10.278	9.742	9.915	10.105	11.707	9.892	10.551	8.668	9.817	9.892	9.893	9.661	9.593	9.508	9.691	10.745	10.325	9.914	9.830	10.477	10.565	10.284	9.619
1424435	a at	Gart	U01023	Mm.4505	16	8.554	8.551	8.425	8.687	8.596	8.657	8.524	8.360	8.278	8.387	8.476	8.575	8.386	8.470	8.411	8.560	8.626	8.570	8.623	8.693	8.683	8.463	8.558	8.651
1424436	at	Gart	U01023	Mm.4505	16	9.282	9.617	9.218	9.321	9.412	9.389	9.341	9.351	9.050	9.180	9.308	9.320	9.074	9.310	9.146	9.265	9.653	9.546	9.835	9.436	9.528	9.519	9.333	9.607
1424437	s at	Abc4	AY040865	Mm.101876	9	6.482	6.290	6.458	6.691	6.501	6.459	6.400	6.578	6.363	6.480	6.466	6.429	6.583	6.304	6.641	6.582	6.380	6.314	6.171	6.266	6.809	6.321	6.464	6.376
1424438	at	Lepr01	BF228243	Mm.4756	4	10.019	10.597	10.208	10.284	10.657	10.469	10.303	10.248	10.779	10.761	10.256	10.713	10.793	10.739	10.548	10.269	10.101	10.200	10.347	10.209	10.003	10.175	9.997	10.181
1424439	at	U01065E050Rik	BC005694	Mm.157537	10	10.499	10.493	10.305	10.452	10.689	10.603	10.337	10.748	10.675	10.650	10.728	10.637	10.598	10.543	10.573	10.286	10.514	10.580	10.440	10.549	10.610	10.541	10.631	10.611
1424440	at	Mps6	BC027271	Mm.217354	16	9.724	9.712	9.449	9.506	9.537	9.599	9.475	10.014	9.596	9.381	9.721	9.952	9.601	9.371	9.474	9.464	10.291	10.344	9.707	9.556	10.139	10.012	9.480	9.567
1424441	at	Sic27a4	BC023114	Mm.330113	2	8.980	9.353	8.906	9.001	9.070	8.791	9.888	8.785	9.307	9.128	8.951	9.192	9.063	9.309	8.993	8.986	8.838	8.969	9.018	8.941	8.949	8.818	8.814	8.855
1424442	a at	Pia2	BC017130	Mm.41711	17	12.125	12.111	12.111	12.125	12.114	12.229	12.091	12.307	12.092	12.114	12.082	12.311	12.171	12.049	12.119	12.118	12.285	12.158	12.027	12.214	12.212	12.152	12.016	12.061
1424443	at	Tmem6f1	AV378394	Mm.221412	7	7.545	8.849	7.804	7.917	8.186	7.950	7.891	7.769	8.829	8.739	8.058	8.306	8.111	8.905	8.261	7.649	7.109	7.266	7.574	7.000	7.432	7.744	7.814	7.817
1424444	a at	1600014C10Rik	BC019834	Mm.187554	7	10.698	10.828	10.882	10.968	10.979	10.989	10.858	10.715	10.761	10.703	10.560	10.882	10.788	10.856	10.856	10.911	11.013	10.985	11.019	11.094	10.841	11.015	10.861	10.833
1424445																													

1424494	s	at	Flywhc1	BC024947	Mm.269613	17	6.572	6.101	6.494	6.444	6.375	6.403	6.489	6.388	6.274	6.374	6.269	6.430	6.346	6.271	6.286	6.344	6.690	6.442	6.457	6.445	6.627	6.631	6.400	6.325	6.547
1424495	a	at	Cklf	AY047360	Mm.269219	8	6.926	8.464	6.669	7.003	7.345	7.290	7.183	7.037	7.958	7.648	7.639	6.956	7.296	7.922	7.150	6.645	6.555	6.720	6.922	6.455	6.774	6.512	6.580	6.648	
1424496	at		Tm321401N09Rik	BC026742	Mm.293919	13	9.311	9.391	9.405	9.433	9.433	9.484	10.114	9.382	9.340	9.304	9.283	9.344	9.392	9.269	9.399	9.500	9.548	9.584	9.456	9.560	9.315	9.459	9.394	9.215	
1424497	at		Msm219	BC023442	Mm.248646	6	8.179	9.043	8.200	8.217	8.671	8.301	8.443	8.810	8.953	8.888	8.245	8.964	8.670	8.601	8.337	8.900	8.613	8.511	8.310	8.172	8.410	8.683	7.915	7.933	
1424498	at		S730596K20Rik	BC011738	Mm.264016	19	5.100	5.595	4.936	4.935	4.987	4.980	5.329	5.117	4.715	4.889	5.231	5.022	4.757	5.051	4.931	4.950	5.480	5.033	4.972	4.948	4.873	4.941	5.048	5.088	
1424499	s	at	S730596K20Rik	BC011738	Mm.264016	19	6.780	7.177	6.702	6.794	6.616	6.780	6.798	7.711	6.979	6.892	6.796	6.555	6.799	6.771	6.798	6.736	6.688	6.653	6.716	6.509	6.709	6.504	6.884	6.859	
1424500	s	at	Utp6	BC025074	Mm.274961	11	8.995	8.620	9.029	8.842	8.667	8.861	9.074	9.284	9.238	9.176	8.936	8.671	9.499	8.750	9.120	8.806	8.934	8.945	8.668	8.727	8.737	8.855	8.744		
1424501	at		Utp6	BC025074	Mm.274961	11	9.627	9.600	9.768	9.576	9.717	9.717	9.671	9.654	9.293	9.542	9.347	9.568	9.664	9.423	9.556	9.761	9.703	9.589	9.791	9.799	9.517	9.713	9.559	9.632	
1424502	at		Kit	BC024542	Mm.473805	14	5.608	5.575	5.675	5.539	5.435	5.329	5.498	5.537	5.322	5.434	5.542	5.503	5.611	5.394	5.479	5.537	5.599	5.461	5.544	5.836	5.475	5.423	5.477	5.358	
1424503	at		Rab22a	BC006596	Mm.275304	2	10.057	10.130	10.249	10.279	10.322	10.302	10.045	9.977	10.196	10.251	10.071	10.217	10.331	10.153	10.303	10.304	10.231	10.223	10.243	10.332	10.113	10.218	10.212	10.288	
1424504	at		Rab22a	BC006596	Mm.275304	2	8.144	8.086	8.124	8.263	8.180	8.154	8.066	8.121	8.027	8.203	8.042	8.275	8.157	7.923	8.149	8.085	8.242	8.245	8.175	8.162	8.202	8.338	8.323	8.192	
1424505	at		Rmnd1	BC027299	Mm.153111	10	8.607	8.581	9.020	9.394	8.285	9.263	9.322	8.806	8.506	8.532	8.231	8.737	8.553	8.416	8.159	9.159	8.577	9.531	8.491	9.481	8.580	9.141	9.397	8.798	
1424506	at		Zfp768	BC026432	Mm.23031	7	8.227	8.472	8.176	8.289	8.149	8.192	8.335	8.352	7.915	8.196	7.559	8.295	8.107	7.865	8.003	8.249	8.453	8.636	8.402	8.309	8.836	8.483	8.010	7.865	
1424507	at		Rin1	BC011277	Mm.271922	19	5.287	6.835	5.385	4.982	5.787	5.156	5.085	5.623	7.342	6.702	6.295	6.415	6.747	6.060	5.560	5.139	4.878	5.009	5.049	5.154	5.169	5.151	5.129	5.305	
1424508	at		Ttc5	BC025610	Mm.276362	14	9.051	9.163	9.162	9.152	9.158	9.267	9.253	8.453	9.122	9.301	8.972	9.084	9.150	9.231	9.199	9.155	8.501	9.088	9.241	9.150	8.732	8.499	9.016	9.208	
1424509	at		Cd177	BC027283	Mm.292848	7	5.134	5.195	5.433	5.349	5.170	5.161	5.316	5.110	5.097	5.116	5.255	5.317	5.300	5.378	5.037	5.449	5.155	5.212	5.249	5.394	5.243	5.210	5.566	5.770	
1424510	at		Nudt6	BC027267	Mm.436967	3	8.529	8.474	8.589	8.340	8.433	8.391	8.342	8.964	8.069	8.045	8.336	8.443	8.393	7.936	8.489	8.430	9.592	9.176	9.080	9.349	9.381	9.011	8.929	8.566	
1424511	at		Aurka	U080932	Mm.249363	2	6.627	8.188	6.290	6.786	7.016	6.889	6.809	7.628	7.913	7.762	7.396	8.665	7.277	8.243	7.120	6.662	6.589	6.367	6.747	6.661	6.643	6.465	6.891	6.706	
1424512	a	at	Txnrd9	BC022947	Mm.28438	1	9.717	10.183	9.703	9.643	9.674	9.496	9.745	10.156	9.837	9.956	9.809	10.136	9.810	9.782	9.603	9.689	9.934	9.775	9.577	9.136	10.163	9.843	9.425	9.747	
1424513	at		Atp6v0a2	AF218252	Mm.1158	5	6.986	6.949	7.211	7.080	6.954	7.013	7.033	6.774	6.883	6.978	6.831	6.779	6.752	7.001	6.767	7.213	6.720	6.508	6.746	6.891	6.826	6.535	6.910	7.047	
1424514	at		Rin12	BC016543	Mm.466670	10	8.733	9.516	8.720	8.805	9.067	8.710	8.768	8.853	9.362	8.902	8.884	9.219	8.966	9.021	8.719	8.675	8.960	9.058	8.791	8.782	8.886	8.862	8.681	8.581	
1424515	at		B230354K17Rik	BB440272	Mm.206588	17	8.080	8.373	8.270	8.144	8.485	8.161	8.192	8.739	8.659	8.655	8.187	8.751	8.684	8.546	8.558	8.247	8.348	8.373	8.351	8.252	8.210	8.621	8.065	8.305	
1424516	at		B230354K17Rik	BB440272	Mm.206588	17	8.377	8.744	8.158	8.064	8.692	8.062	8.288	9.319	9.178	9.120	8.342	9.180	9.145	8.590	8.592	7.879	8.820	8.637	8.335	8.107	8.676	8.956	7.987	7.899	
1424517	at		Ccdc12	BC026668	Mm.249115	9	7.974	8.306	7.792	7.972	7.822	7.973	8.073	8.018	7.878	7.866	8.088	8.055	7.909	7.873	7.842	7.847	8.292	8.568	8.015	7.986	8.007	8.173	7.908	7.609	
1424518	at		Apol9a	BC020489	Mm.243758	15	5.403	5.543	5.195	5.337	5.316	5.199	5.584	5.271	5.543	5.411	5.228	5.328	5.419	5.428	5.126	5.265	5.313	5.427	5.319	5.403	5.294	5.092	5.446	5.327	
1424519	at		Mta1	BC027306	Mm.296088	7	9.863	9.624	9.851	9.895	9.694	9.902	9.983	9.796	9.526	9.605	9.689	9.652	9.509	9.704	9.722	9.868	10.062	10.076	10.006	10.036	10.095	10.121	9.950	9.956	
1424520	at		S730596K19Rik	BC011495	Mm.32646	1	8.653	8.655	8.633	8.606	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	8.806	
1424521	at		Zfp12b	BC011495	Mm.32646	1	7.356	7.122	7.122	7.396	7.601	7.262	7.443	7.167	7.068	7.965	7.167	7.068	7.965	7.167	7.068	7.965	7.167	7.068	7.965	7.167	7.068	7.965	7.167	7.068	7.965
1424522	at		Heatr1	BC019693	Mm.342328	13	9.104	9.549	9.445	9.091	9.117	9.121	9.213	9.181	9.289	9.126	8.864	8.947	8.988	8.605	9.010	9.072	9.907	8.897	9.044	8.792	8.902	9.035	9.441	9.137	
1424523	at		Elmo1	BC024727	Mm.342392	13	8.649	8.565	8.479	8.712	8.600	8.561	8.798	8.526	8.615	8.694	8.669	8.587	8.532	8.717	8.588	8.590	8.577	8.492	8.304	8.544	8.660	8.531	8.679	8.653	
1424524	at		1200002N14Rik	BC021433	Mm.35450	10	9.670	9.772	9.245	9.282	9.487	9.501	9.338	9.241	10.212	10.012	10.230	9.557	9.779	10.148	9.545	9.288	8.873	8.804	9.074	8.567	9.848	9.043	9.210	9.213	
1424525	at		Grp	BC024515	Mm.202998	18	6.355	5.958	6.506	6.082	6.119	6.027	6.147	6.150	6.009	5.967	6.226	6.164	6.127	6.066	6.164	6.195	6.093	6.111	6.306	6.355	6.296	6.088	6.121	6.181	
1424526	a	at	Tds	BC021419	Mm.251537	14	8.254	8.676	8.391	8.206	7.962	8.402	8.352	8.081	8.065	8.070	7.810	8.325	8.398	8.442	8.777	8.337	7.769	8.184	8.042	8.173	8.186	7.882	8.034	8.073	
1424527	at		Pnp2r2d	AF366393	Mm.258739	7	10.414	10.221	10.470	10.340	10.397	10.323	10.392	10.367	10.318	10.377	10.516	10.325	10.362	10.471	10.390	10.415	10.321	10.341	10.373	10.415	10.322	10.393	10.447	10.475	
1424528	at		Caref1	BC023116	Mm.45127	5	6.285	7.097	5.467	6.135	6.737	6.207	6.092	6.599	7.537	6.992	6.397	6.570	6.916	6.893	6.310	5.830	6.278	6.234	6.369	6.186	6.289	6.051	6.132	6.142	
1424529	s	at	Sec142	BC005759	Mm.253922	11	8.216	7.725	8.047	8.124	8.017	7.911	7.928	8.037	8.059	7.832	8.130	7.986	8.122	8.120	7.998	8.032	8.026	8.008	8.009	8.121	8.034	7.840	7.974	7.912	
1424531	a	at	Tcea3	BC010807	Mm.112	4	8.889	8.336	8.991	9.633	8.124	9.287	9.014	8.954	7.152	7.336	7.662	9.472	8.418	8.143	8.050	8.965	9.939	9.284	8.776	9.958	9.761	9.998	8.810	8.760	
1424532	at		Ylpm1	AB033168	Mm.153183	12	9.536	9.476	9.483	9.725	9.655	9.500	9.455	9.233	9.515	9.543	9.210	9.492	9.562	9.425	9.399	9.518	9.449	9.414	9.165	9.421	9.528	9.599	9.555	9.566	
1424533	a	at	Cdcl37	BC026662	Mm.264266	11	8.534	8.559	8.571	8.622	8.586	8.575	8.452	8.440	8.466	8.390	8.606	8.504	8.516	8.470	8.398	8.585	8.433	8.443	8.479	8.373	8.679	8.397	8.566	8.531	
1424534	at		Mmd2	BC025662	Mm.48712	5	6.910	6.866	6.815	6.866	6.910	6.712	7.059	7.081	7.020	6.769	6.848	6.816	6.887	6.967	6.840	7.070	6.914	6.797	6.752	6.851	7.0				

1424583	at	Farp2	BC009153	Mm.28761	1	7.276	6.870	7.309	7.201	6.957	7.175	7.113	7.140	6.724		6.783	6.915	6.979	6.928	6.756	6.915	7.249	7.446	7.163	7.162	7.512	7.528	7.406	7.159	7.144
1424584	a	Ranbp10	BC024698	Mm.4206	8	10.137	10.258	10.209	10.136	10.238	10.046	10.058	10.322	10.032	10.123	10.057	10.171	10.149	10.100	10.083	10.141	10.205	10.210	10.160	10.042	10.112	10.107	10.200	10.147	10.261
1424585	at	Ranbp10	BC024698	Mm.4206	8	9.669	9.823	9.768	9.749	9.734	9.670	9.577	9.646	9.661	9.704	9.574	9.851	9.611	9.741	9.725	9.641	9.641	9.641	9.638	9.566	9.648	9.565	9.680	9.552	9.874
1424586	at	Enhb1	AF424697	Mm.281732	11	10.590	10.532	10.515	10.586	10.522	10.731	10.825	10.238	10.086	10.431	9.779	10.477	10.563	10.538	10.464	10.579	11.011	10.106	10.966	10.990	11.204	10.707	10.820	10.826	10.795
1424587	at	Gemin8	BC024698	Mm.209490	X	7.130	7.115	6.380	7.141	6.984	7.044	6.894	7.295	7.312	6.753	7.084	6.978	7.042	7.058	6.811	7.048	7.054	7.054	7.054	7.054	7.054	7.054	7.054	7.054	7.054
1424588	at	Rngap3	AF481964	Mm.236401	6	7.440	7.402	7.376	7.467	7.772	7.387	7.534	7.54	7.855	7.849	7.572	8.072	7.956	7.560	7.659	7.417	7.366	7.308	7.405	7.181	7.327	7.348	7.202	7.748	
1424589	s	Rncp3	BC016603	Mm.316928	3	5.555	5.866	5.233	5.279	5.525	5.270	5.039	6.045	6.201	6.038	5.566	5.726	5.540	5.299	5.444	5.320	5.865	5.678	5.586	4.929	5.824	6.354	5.900	5.646	
1424590	at	Ddx19b	BC023000	Mm.457908	8	8.652	8.717	8.855	8.893	8.865	8.904	9.095	8.933	8.569	8.853	8.674	8.811	8.643	8.705	8.807	8.892	8.773	8.932	8.838	8.898	8.704	8.885	8.832	8.889	
1424591	at	5830433M19Rk	BC020067	Mm.35170	4	6.993	7.319	7.315	6.986	6.786	7.131	7.310	6.629	7.368	7.866	6.651	7.075	7.130	7.349	7.274	6.957	6.887	7.005	7.122	6.956	7.029	7.360	7.825	7.127	
1424592	a	Dnas1	BC014718	Mm.405465	16	6.388	5.927	6.264	6.265	6.264	6.381	6.318	6.371	6.020	6.113	6.316	6.093	6.369	6.307	6.310	6.269	6.376	6.269	6.037	6.348	6.425	6.312	6.239	6.296	
1424593	at	Ecd	BC013470	Mm.35105	14	9.160	9.058	8.974	9.035	8.900	8.838	9.081	8.980	8.890	8.808	9.320	8.984	8.873	9.934	8.875	8.982	8.995	9.020	8.990	9.029	9.076	8.980	9.059	8.875	
1424594	at	Lna17	BC015077	Mm.20973	7	11.152	11.045	11.257	11.304	11.541	11.281	11.219	11.436	11.078	11.367	11.552	11.728	11.557	10.993	11.596	11.299	11.245	11.330	11.059	11.316	11.408	11.317	11.270	11.442	
1424595	at	Fil1r	BC021876	Mm.294882	1	10.015	10.467	10.209	10.142	10.424	10.129	10.094	10.460	10.805	10.856	10.478	10.649	10.500	10.453	10.554	10.224	10.700	10.510	10.479	10.561	10.577	10.447	10.202	10.049	
1424596	s	Lmcd1	BC019124	Mm.234441	6	10.248	10.584	9.809	9.966	10.397	9.819	9.997	11.244	11.175	10.896	13.508	11.358	11.055	10.444	11.423	9.865	10.658	10.795	10.289	10.419	10.482	10.769	10.010	10.758	
1424597	at	ORF19	W34605	Mm.296545	17	8.561	8.878	8.463	8.604	8.844	8.493	8.442	9.022	9.115	8.959	8.378	9.044	9.029	8.645	8.528	8.381	9.069	8.970	8.618	8.544	9.015	9.124	8.473	8.280	
1424598	at	Ddx6	BC021452	Mm.267061	9	11.496	11.497	11.476	11.463	10.889	11.493	11.473	11.252	11.153	11.266	11.360	11.391	11.506	11.270	11.466	11.565	11.379	11.436	11.463	11.558	11.482	11.431	11.597	11.407	
1424599	at	Fbl1	BC021946	Mm.277955	8	5.728	5.820	6.054	6.085	5.714	6.009	5.615	5.934	5.807	5.704	5.510	6.077	6.109	6.071	5.770	6.074	5.892	5.938	5.838	5.908	5.919	5.975	5.895	5.932	
1424600	at	Abn1	BC021880	Mm.213898	6	7.281	7.120	7.359	7.382	7.388	7.120	7.323	7.413	7.381	7.184	7.540	7.231	7.375	7.496	7.149	7.315	7.080	7.060	7.375	7.472	7.235	7.205	7.065	7.350	
1424601	at	Krc4	BC025538	Mm.37531	13	8.653	8.453	8.707	8.750	8.531	8.784	8.681	8.668	8.466	8.424	8.528	8.706	8.604	8.449	8.643	8.713	8.910	8.620	8.665	8.770	8.785	8.715	8.633	8.599	
1424602	s	Xrc4	BC025538	Mm.37531	13	7.450	7.548	7.366	7.350	7.454	7.358	7.311	7.728	7.312	7.477	7.157	7.962	7.609	7.404	7.460	7.344	8.027	7.534	7.455	7.107	7.849	8.129	7.433	7.180	
1424603	at	Sumf1	BC026981	Mm.439876	6	6.567	7.404	6.733	6.498	7.017	6.754	6.592	6.823	7.018	7.282	6.232	7.265	7.323	7.171	7.048	6.549	6.401	6.262	6.742	6.348	6.316	6.444	6.554	6.723	
1424604	s	Sumf1	BC026981	Mm.439876	6	8.471	8.980	8.846	8.515	8.987	8.908	8.762	8.752	8.930	9.260	8.606	9.235	9.074	9.087	9.182	8.739	8.541	8.649	8.776	8.558	8.522	8.882	8.735	8.779	
1424605	at	Pcsk5	BC013068	Mm.3401	19	4.921	4.619	4.924	4.740	4.610	4.677	4.881	4.644	4.645	4.610	4.815	4.768	4.590	4.524	4.792	4.484	4.740	4.847	4.902	4.965	4.821	4.714	4.762	4.778	
1424606	at	Cplx3	BC024854	Mm.35242	9	6.758	6.686	6.470	6.732	6.646	6.690	6.619	6.818	7.132	6.881	6.880	6.760	6.597	6.702	6.610	6.600	6.602	6.593	6.907	6.936	6.841	6.617	6.719	6.770	
1424607	a	100039204	BM225255	NA	3	12.141	12.095	12.335	12.327	12.114	12.237	12.163	11.831	11.955	11.753	11.637	12.032	11.727	11.737	11.641	12.356	11.966	12.057	11.566	11.715	11.984	11.759	12.148	11.829	
1424608	a	100039204	BM225255	NA	3	8.533	8.920	8.976	9.071	8.836	9.868	8.655	8.349	8.632	8.643	8.893	8.615	8.779	8.124	8.623	8.932	8.931	8.893	8.780	8.892	8.604	8.728	9.066	8.946	
1424609	a	100039204	BM225255	NA	3	12.049	12.132	12.129	12.129	12.179	12.179	12.179	11.969	11.932	11.712	12.048	11.712	11.975	11.975	11.975	12.338	12.047	12.338	11.547	11.787	11.814	8.716	9.138	8.818	
1424610	at	Trub2	BC024854	Mm.245739	3	8.533	8.920	8.976	9.071	8.836	9.868	8.655	8.349	8.632	8.643	8.893	8.615	8.779	8.124	8.623	8.932	8.931	8.893	8.780	8.892	8.604	8.728	9.066	8.946	
1424611	x	Trub2	BC024854	Mm.245739	3	8.533	8.920	8.976	9.071	8.836	9.868	8.655	8.349	8.632	8.643	8.893	8.615	8.779	8.124	8.623	8.932	8.931	8.893	8.780	8.892	8.604	8.728	9.066	8.946	
1424612	at	Npal2	BC016107	Mm.258402	15	8.161	7.462	8.058	7.901	7.809	8.148	7.959	7.509	7.824	7.575	7.888	7.919	7.707	7.794	7.937	7.833	7.721	7.907	7.970	8.152	7.735	7.918	8.054	7.963	
1424613	at	Gprc5b	BC020004	Mm.103439	7	7.634	8.127	7.535	7.595	7.850	7.712	7.422	8.494	7.498	7.760	8.401	7.961	7.789	7.754	7.880	7.564	7.709	7.621	7.425	7.580	7.920	7.940	7.795	7.519	
1424614	at	Fraa1	BC063931	Mm.302013	7	9.771	10.440	9.791	10.062	10.280	10.089	10.133	10.066	10.037	9.998	9.960	10.253	10.056	9.939	9.913	9.751	10.069	10.202	10.091	10.185	9.997	9.778	9.887	9.922	
1424615	at	Fraa1	BC063931	Mm.302013	7	8.509	9.053	8.699	8.768	9.218	9.074	9.175	9.236	8.990	9.094	9.972	9.302	9.011	8.966	8.978	8.861	8.928	8.994	9.069	9.020	9.026	8.995	9.077	8.798	8.839
1424616	s	Fraa1	BC063931	Mm.302013	7	8.714	9.448	8.824	8.929	9.257	9.006	9.082	9.183	9.123	9.164	8.870	9.166	8.925	9.023	8.874	8.861	8.884	9.043	8.927	8.840	9.042	9.177	8.851	8.910	
1424617	at	Hsd	BC025538	Mm.37531	13	8.903	9.592	9.782	9.955	10.784	9.785	10.754	10.596	8.519	8.887	9.961	9.845	9.861	9.845	9.861	9.845	9.861	9.845	9.861	9.845	9.861	9.845	9.861	9.845	9.861
1424618	at	Hsd	BC021343	Mm.439709	5	6.936	6.574	6.917	6.835	6.571	6.864	6.826	6.827	6.436	6.714	6.802	6.671	6.592	6.612	6.772	6.724	6.983	6.770	6.846	6.908	6.963	6.624	6.890	6.803	
1424619	at	Sfsb4	BC024418	Mm.219671	3	10.876	11.199	10.768	10.759	10.817	10.843	10.930	10.957	11.073	10.914	11.232	10.648	10.999	11.128	10.905	10.828	10.901	10.890	10.878	10.705	10.896	10.702	10.895	10.764	
1424620	at	D13Wsu177e	AK013251	Mm.439993	13	8.159	9.180	8.230	8.155	8.089	8.207	8.255	7.636	8.536	8.495	8.850	8.237	8.203	9.007	8.249	8.240	7.504	8.192	8.326	8.137	7.986	7.585	8.077	8.092	
1424621	at	Krc1	BC005704	Mm.250569	6	9.776	10.027	9.643	9.788	10.065	9.479	9.748	10.438	10.013	10.228	9.831	10.214	10.140	9.796	9.790	9.533	9.992	9.790	9.533	9.992	9.790	9.533	9.992	9.790	9.533
1424622	at	Hsf1	BC013716	Mm.347444	15	9.107	9.037	8.944	9.114	9.011	8.828	8.933	9.164	8.907	8.857	9.033	9.070	8.994	8.939	8.846	8.799	9.394	9.384	9.019	8.965	9.306	9.328	8.962		

1424672	at	Dmx11	BC020141	Mm.257790	18	7.936	7.861	8.092	7.712	7.553	7.789	7.996	8.050	7.463	7.951	7.227	7.760	7.150	7.514	7.929	7.838	7.401	7.522	7.610	7.456	7.758	8.207	7.861	8.124	
1424673	at	Clec2h	AF350410	Mm.197689	6	4.114	4.112	3.855	3.914	4.152	3.952	3.850	4.030	3.869	4.114	4.152	3.808	3.989	3.939	3.899	3.953	7.405	3.960	4.072	4.145	4.040	3.877	3.911	3.967	
1424674	at	Slc39a6	BB825002	Mm.21688	18	8.581	10.314	8.805	8.337	9.435	8.552	8.338	8.802	10.316	10.042	10.021	9.566	9.704	10.126	9.436	8.782	7.636	8.060	8.416	7.945	8.029	8.081	8.536	8.398	
1424675	at	BB825002	Mm.21688	18	8.288	8.666	8.328	8.183	8.332	8.109	8.064	8.383	8.632	8.166	8.445	8.801	8.374	8.572	8.621	8.339	8.131	8.078	7.980	8.111	8.096	8.203	7.915	8.150	8.246	
1424676	s at	Sec144b	BC021949	Mm.237476	11	5.324	5.791	5.918	5.940	5.738	5.705	5.872	5.888	5.869	5.884	5.936	5.840	5.578	5.872	5.894	6.006	6.017	5.752	5.934	5.899	5.842	5.870	6.024	5.757	
1424677	at	Cyp2j19	AF1336850	Mm.458387	4	6.060	5.915	6.219	6.091	5.994	6.222	6.077	6.110	6.083	5.987	5.968	6.023	6.243	6.120	6.020	6.158	6.466	6.518	6.225	6.303	5.942	6.087	5.814	5.872	
1424678	at	Act17b	AF133520	Mm.251434	4	7.507	7.316	7.438	7.334	7.550	7.265	7.495	7.427	7.362	7.476	7.386	7.317	7.550	7.417	7.389	7.392	7.330	7.468	7.545	7.552	7.250	7.184	7.048	7.171	
1424679	at	Mab2111	AF228913	Mm.440279	3	4.383	4.022	4.477	4.211	4.106	4.452	4.213	4.086	4.193	4.150	4.287	4.148	4.148	4.189	4.391	4.311	4.156	4.209	4.229	4.163	4.251	4.125	4.458	3.980	
1424680	at	BB146404	BC025893	Mm.66334	10	7.835	7.797	7.659	7.417	7.823	7.838	7.815	8.347	8.014	8.419	8.311	8.307	8.393	8.041	9.079	7.737	7.501	7.905	7.628	7.477	7.959	7.744	7.634	8.659	
1424681	a at	Psm5a5	BC010709	Mm.208883	3	11.327	11.795	11.320	11.160	11.342	11.275	11.412	11.605	11.505	11.397	11.446	11.377	11.365	11.599	11.333	11.275	11.389	11.323	11.300	11.245	11.466	11.524	11.190	11.101	
1424682	at	Gm33	BC003041	Mm.266328	5	9.354	9.236	9.311	9.442	9.276	9.588	9.269	9.346	8.981	9.167	9.100	9.372	9.138	9.103	9.176	9.347	8.999	9.668	9.487	9.612	9.799	9.887	9.416	9.385	
1424683	at	B810015C04Rik	BC019494	Mm.25311	15	13.381	12.309	13.260	13.127	12.587	12.909	12.754	12.945	12.540	12.776	12.390	12.896	12.771	12.349	13.157	13.198	13.192	12.939	12.794	13.063	13.436	13.461	13.639	13.444	
1424684	at	Rec5c	BC023027	Mm.29829	11	9.544	9.805	9.136	9.233	9.240	9.310	9.588	9.388	9.409	9.628	9.515	9.362	9.393	9.880	9.423	9.288	8.818	9.100	9.146	9.196	8.987	8.984	9.482	9.087	
1424685	at	Exosc4	AK005101	Mm.322752	5	9.283	9.793	9.310	9.341	9.337	9.338	9.472	9.114	9.318	9.388	9.046	9.336	9.042	9.385	9.151	9.146	9.553	9.674	9.559	9.495	9.523	9.282	9.313	9.161	
1424686	at	Heatr6	BF150550	Mm.117874	11	8.804	9.157	8.757	8.834	8.870	8.694	8.612	9.067	9.184	8.854	8.739	9.075	8.912	9.002	8.718	8.617	9.021	8.875	8.581	8.694	8.983	9.237	8.669	8.745	
1424687	at	Heatr6	BF150550	Mm.117874	11	8.010	7.993	7.795	7.934	8.010	8.037	8.019	8.132	8.463	8.022	8.004	8.100	8.173	8.007	7.895	7.867	8.275	8.242	7.752	7.995	8.184	8.167	7.838	7.873	
1424688	at	Creb3l3	BC010786	Mm.294693	10	8.345	7.947	8.198	8.277	8.042	8.100	8.232	8.369	8.202	7.767	8.174	7.912	8.062	7.977	8.052	8.233	8.274	8.185	8.279	8.302	8.176	8.245	8.206	8.275	
1424689	at	Prrs32	BC024903	Mm.244143	17	6.242	5.982	6.208	6.137	6.113	6.075	6.116	6.190	6.073	5.938	6.062	5.979	5.954	6.049	6.032	6.085	6.140	6.122	6.155	6.235	6.057	6.172	6.179	6.073	
1424690	at	5930434B04Rik	BB231173	Mm.150270	2	5.837	5.785	5.643	5.657	5.778	5.740	5.558	5.756	5.800	5.772	5.631	6.071	5.970	5.755	5.900	5.777	5.777	5.599	5.994	5.748	5.890	5.957	5.651	5.674	
1424691	at	5930434B04Rik	BB231173	Mm.150270	2	7.051	7.006	6.911	7.133	6.873	6.715	6.939	6.999	7.085	7.185	7.059	6.890	7.045	7.266	6.931	6.929	7.160	7.001	6.986	6.986	7.084	6.943	7.165	7.050	
1424692	at	2810055F11Rik	BC004753	Mm.286120	12	7.309	7.388	7.437	7.853	7.735	7.815	7.486	7.477	7.422	7.501	7.177	7.711	7.770	7.140	7.457	7.463	8.440	8.130	7.827	7.930	8.143	8.126	7.564	7.371	
1424693	at	4933407N01Rik	BC018468	Mm.294641	11	7.690	7.539	7.887	7.739	7.591	7.846	7.825	7.247	7.178	7.685	7.301	7.703	7.525	7.317	7.727	7.708	7.695	7.806	7.898	7.981	7.461	7.620	7.875	7.856	
1424694	at	2010011120Rik	AK008190	Mm.30013	2	7.385	7.274	7.189	7.290	7.236	7.219	7.132	7.267	7.478	7.137	6.882	7.755	7.257	7.158	7.362	7.268	7.395	7.415	7.285	7.199	7.353	7.507	7.304	7.386	
1424695	at	2010011120Rik	AK008190	Mm.30013	2	5.836	5.602	5.655	5.566	5.736	5.418	5.628	5.572	5.568	5.487	5.542	5.543	5.712	5.388	5.501	5.584	5.848	5.571	5.611	5.783	5.596	5.488	5.732	5.639	
1424696	at	Gpr89	BC010729	Mm.46722	3	8.863	9.144	9.186	8.910	8.966	8.981	9.007	8.570	9.061	9.190	8.581	8.896	8.752	9.066	8.894	9.047	8.592	8.865	9.049	9.043	8.716	8.575	8.838	9.029	
1424697	at	Dtdw1	BC020149	Mm.29019	2	8.554	8.544	8.882	8.720	8.880	8.988	8.990	8.311	8.360	8.575	8.383	8.713	8.463	8.678	8.460	8.960	9.983	9.086	8.917	8.934	8.755	9.017	8.619	8.501	
1424698	s at	Cac	Mm.32561	X	7	7.271	7.355	7.017	6.982	6.976	7.205	7.164	6.960	6.906	7.065	7.172	6.820	6.929	7.151	6.835	7.093	6.886	6.903	7.184	7.228	6.948	7.007	7.049	6.955	
1424699	at	Ccdc136	BC006583	Mm.251303	17	6.852	6.436	7.709	7.893	6.897	6.723	6.757	7.226	6.978	6.795	6.723	6.795	6.844	6.739	6.584	6.731	6.963	6.817	7.306	6.963	6.817	7.029	6.909	6.874	
1424700	at	Tmem38b	BC010172	Mm.27184	4	10.172	10.070	10.340	10.065	10.195	10.359	10.199	9.812	10.416	10.507	10.069	10.175	10.301	10.348	10.627	10.493	9.963	10.225	10.484	10.390	9.978	9.878	10.086	10.473	
1424701	at	Pcdh20	B8528056	Mm.128861	14	5.549	5.365	5.562	5.493	5.502	5.385	5.233	5.209	5.424	5.425	5.320	5.498	5.480	5.283	5.561	5.509	5.419	5.244	5.444	5.365	5.585	5.488	5.600	5.709	
1424702	a at	Atg2b	BC024533	Mm.114362	9	7.634	8.000	7.669	7.805	7.907	7.804	7.704	7.711	7.851	8.068	7.959	7.906	7.898	7.782	7.780	7.811	7.772	7.856	7.688	7.718	7.765	7.799	7.854	8.028	
1424703	at	Hemk1	BC011431	Mm.259467	12	8.842	9.203	9.116	8.709	8.990	8.682	8.389	9.018	9.063	9.262	8.985	8.134	8.196	8.222	9.442	9.071	9.153	9.640	9.768	9.751	9.770	9.388	9.175	9.446	9.635
1424704	at	Rumx2	D14636	Mm.391013	17	5.312	7.482	5.374	5.905	6.861	5.920	5.800	6.721	8.103	7.665	6.789	7.247	7.493	7.508	6.732	5.809	5.468	5.494	6.017	5.824	5.586	5.647	5.904	5.508	
1424705	at	Rbm2	BC026976	Mm.32561	X	7	7.271	7.355	7.017	6.982	6.976	7.205	7.164	6.960	6.906	7.065	7.172	6.820	6.929	7.151	6.835	7.093	6.886	6.903	7.184	7.228	6.948	7.007	7.049	6.955
1424706	at	Tmem10	BC011293	Mm.451010	17	6.852	6.436	7.709	7.893	6.897	6.723	6.757	7.226	6.978	6.795	6.723	6.795	6.844	6.739	6.584	6.731	6.963	6.817	7.306	6.963	6.817	7.029	6.909	6.874	
1424707	at	Tmed10	B1409239	Mm.379159	12	11.798	11.940	11.866	11.979	12.034	12.243	12.021	12.067	11.792	12.096	11.911	12.045	12.065	12.062	12.044	11.911	12.144	11.901	11.962	12.019	12.015	12.283	12.026	11.879	
1424708	at	Tmed10	B1409239	Mm.379159	12	11.333	11.885	11.208	11.458	11.519	11.350	11.318	11.558	11.903	11.718	11.566	11.501	11.619	11.664	11.216	11.306	11.170	11.475	11.428	11.334	11.406	11.554	11.077	11.010	
1424709	at	Sc5d	AB016248	Mm.32700	9	7.053	6.970	7.056	7.111	6.929	6.693	7.132	6.888	6.873	7.007	6.878	6.661	6.815	6.934	6.897	7.061	6.928	7.054	6.946	7.058	7.046	7.176	7.173	6.997	
1424710	a at	Gorasp2	BC016455	Mm.271950	2	10.691	11.285	10.564	10.682	10.717	10.635	10.477	10.618	11.051	11.025	10.858	10.716	10.751	11.009	10.624	10.700	10.547	10.655	10.662	10.614	10.438	10.415	10.494	10.531	
1424711	at	Tmem2	BC019475	Mm.329776	19	7.698	8.228	7.125	7.487	8.024	7.465	7.468	7.298	8.249	8.184	8.113	7.893	8.100	7.991	7.437	7.404	6.451	6.751	7.169	6.743	6.493	6.667	7.069	6.993	
1424712	at	Ahctf1	BC023122	Mm.128165	1	8.289	8.59																							

1424761	at	Fam115c	BC008555	Mm.279659	6	7.889	7.739	7.696	7.811	7.700	7.639	7.807	7.854	7.628	7.738	7.567	7.594	7.901	7.689	7.796	7.627	7.748	7.882	7.767	7.752	7.579	7.646	7.554	
1424762	at	C1qtnf5	BC023068	Mm.227110	9	9.152	10.134	9.230	9.325	10.704	9.332	9.331	9.588	10.578	10.416	8.993	10.059	10.682	9.753	10.142	9.195	9.271	9.243	9.380	9.213	9.262	9.204	9.293	9.018
1424763	at	Sezn0027N10Rik	BC019423	Mm.17993	17	7.399	7.043	7.400	7.452	7.231	7.467	7.413	7.197	7.337	7.383	7.405	7.346	7.371	7.305	7.357	7.404	7.313	7.308	7.491	7.500	7.348	7.157	7.317	7.501
1424764	at	Seze6l	AF220355	Mm.143742	5	6.728	6.517	6.550	6.678	6.674	6.563	6.765	6.786	6.641	6.582	6.734	6.756	6.802	6.825	6.704	6.725	7.071	6.795	6.628	6.992	6.898	7.002	6.850	6.756
1424765	at	Ercs2l1	BC015560	Mm.288954	8	9.736	9.790	9.744	9.756	9.716	9.769	9.823	9.771	9.758	9.766	9.755	9.724	9.771	9.963	9.806	9.776	9.512	9.524	9.729	9.745	9.564	9.531	9.767	9.803
1424766	at	Ecscr4	BC004701	Mm.31911	X	6.987	7.328	6.778	7.049	7.104	6.748	7.080	6.844	7.377	6.848	7.010	5.578	6.945	6.874	6.862	6.720	6.824	6.814	6.964	6.814	6.964	6.788	6.986	6.752
1424767	at	Cdh2t	AB019618	Mm.151819	2	6.946	6.384	7.364	6.796	6.675	6.707	6.740	6.692	7.020	6.891	6.577	6.419	6.586	6.772	6.336	7.109	6.782	6.614	6.408	6.833	6.696	6.441	6.676	6.784
1424768	at	Cald1	BI248947	Mm.308134	6	8.234	9.359	7.850	8.045	8.699	8.259	7.831	8.919	9.555	9.236	8.861	8.953	9.208	9.095	8.620	7.929	8.090	7.768	7.927	7.581	7.932	8.049	7.926	7.545
1424769	s at	Cald1	BI248947	Mm.308134	6	11.001	11.750	10.925	10.759	11.335	11.081	10.812	11.499	12.091	11.950	11.640	11.590	11.957	11.855	11.381	10.855	10.755	10.547	10.719	10.378	10.612	10.942	10.645	10.575
1424770	at	Cald1	BI248947	Mm.308134	6	9.854	10.808	9.581	9.652	10.423	9.840	9.573	10.577	11.246	10.742	10.586	10.825	11.024	10.569	10.253	9.441	10.134	10.013	9.730	9.455	9.834	10.029	9.404	9.244
1424771	at	H2af1	BF661121	Mm.154564	6	9.999	10.921	10.263	10.112	10.347	9.940	9.908	10.583	11.147	10.620	9.971	11.082	10.980	10.542	10.582	9.911	10.637	10.656	10.111	9.937	10.537	10.780	9.916	9.787
1424772	at	H2af1	BF661121	Mm.154564	6	5.982	6.050	5.938	6.039	6.122	6.014	5.881	5.875	6.170	5.977	6.131	6.117	5.852	6.285	5.943	6.027	5.905	5.885	5.969	5.941	5.841	5.661	6.072	5.658
1424773	at	1110021M1Rik	BC020119	Mm.307770	8	9.323	9.527	9.368	9.427	9.280	9.360	9.469	9.210	9.431	9.317	9.198	9.419	9.508	9.300	9.316	9.437	9.404	9.410	9.433	9.465	9.119	9.230	9.212	
1424774	s at	Ears2	AK014324	Mm.45171	7	6.973	7.036	6.940	6.931	6.798	6.946	6.918	6.896	7.124	6.902	7.189	6.691	6.948	6.912	6.860	6.918	6.977	6.926	6.969	7.036	6.864	6.870	6.951	6.823
1424775	at	Oas1q	BC018470	Mm.389688	5	9.164	10.161	9.284	9.439	9.222	9.277	9.446	9.453	9.638	9.612	9.861	9.500	9.389	9.809	9.104	9.201	9.259	9.094	9.099	9.058	9.180	9.156	9.195	9.369
1424776	a at	Slc25a28	BC025908	Mm.23827	19	9.945	9.918	9.835	10.018	9.748	9.884	9.867	9.821	9.794	9.546	9.584	8.993	9.777	9.670	9.707	9.800	10.503	10.456	10.168	10.169	10.239	10.338	10.161	9.967
1424777	at	Wdr21	BC003284	Mm.38238	12	8.679	8.478	8.335	8.930	8.731	8.894	8.821	8.928	8.837	8.495	8.381	8.880	8.789	8.468	8.839	8.250	9.782	9.358	9.124	9.255	9.535	9.537	9.001	8.913
1424778	at	Reep3	AK005026	Mm.41272	10	9.808	10.314	9.699	9.829	10.097	10.065	9.860	10.255	10.248	10.296	10.268	10.347	10.418	10.192	10.244	9.735	9.842	10.003	9.927	9.953	9.926	10.131	10.027	9.946
1424779	at	Reep3	AK005026	Mm.41272	10	7.755	8.511	7.515	7.590	7.848	7.783	7.753	7.948	8.304	8.385	8.284	8.361	8.273	8.261	8.115	7.595	7.773	7.538	7.769	7.683	7.697	7.735	7.778	7.821
1424780	a at	Reep3	AK005026	Mm.41272	10	9.795	10.320	9.787	9.705	10.389	10.285	10.040	10.663	10.444	10.494	10.258	10.798	10.681	10.353	10.501	9.615	10.059	10.108	9.760	9.893	9.943	10.527	10.069	9.994
1424781	at	Reep3	AK005026	Mm.41272	10	9.440	9.813	9.400	9.325	9.901	9.656	9.663	9.983	9.732	9.946	9.737	10.008	10.029	9.714	9.870	9.282	9.602	9.525	9.409	9.453	9.496	9.771	9.669	9.608
1424782	at	Tmem77	BC024458	Mm.290488	3	9.761	9.652	10.047	9.856	9.613	9.729	9.916	9.663	9.641	9.759	9.465	9.611	9.371	9.623	9.825	9.956	9.879	9.974	9.959	9.958	9.863	10.034	10.083	10.119
1424783	a at	Uqt11a9	BC019434	Mm.300095	1	9.189	9.884	9.125	9.674	9.390	8.980	9.632	9.091	10.447	10.281	9.449	8.796	9.100	10.095	9.339	9.143	8.429	8.763	9.590	9.952	9.066	9.275	8.908	9.356
1424784	at	EG210853	AV047635	Mm.441622	17	6.298	7.022	7.115	6.986	6.454	7.171	7.746	7.235	6.378	6.547	6.253	7.306	7.140	7.835	6.170	7.107	5.847	5.970	6.282	6.108	6.198	6.182	5.958	5.807
1424785	at	Ano6t6	BC025904	Mm.34019	9	8.209	8.135	8.096	8.115	8.237	8.012	8.303	8.401	8.089	7.841	8.163	8.292	8.204	8.053	8.016	8.002	8.803	8.658	8.341	8.124	8.540	8.510	8.315	8.293
1424786	s at	Wdr45	BC011479	Mm.305725	X	9.589	9.071	9.696	9.603	9.553	9.907	9.413	9.356	9.303	9.448	9.048	9.968	9.755	9.072	9.712	9.537	10.145	9.902	9.745	9.920	9.990	10.236	9.764	9.665
1424787	a at	Nrl1	BC001661	Mm.258968	6	6.781	6.765	6.656	6.656	6.735	6.658	6.666	6.735	6.656	6.677	6.686	6.772	6.685	6.622	6.622	6.678	6.776	6.769	6.769	6.838	6.883	6.838	6.883	6.883
1424788	at	Krl1	BC021438	Mm.302148	9	7.714	7.943	7.895	7.674	7.987	7.787	7.971	7.802	7.787	7.802	7.808	7.787	7.802	7.787	7.802	7.787	7.802	7.787	7.802	7.787	7.802	7.787	7.802	7.787
1424789	at	Zscan22	BC026676	Mm.40706	7	8.607	8.402	8.764	8.663	8.311	8.570	8.475	8.392	8.503	8.434	8.520	8.375	8.522	8.492	8.444	8.611	8.435	8.343	8.486	8.554	8.421	8.237	8.570	8.501
1424790	at	Slc25a42	BC025937	Mm.185413	8	10.296	9.976	10.429	10.809	10.330	10.990	10.533	8.826	9.220	9.516	9.457	9.804	9.674	9.575	10.164	10.501	10.894	11.285	11.425	11.343	10.535	10.216	10.600	10.619
1424791	a at	Rcam4	BC004826	Mm.29236	7	9.229	8.629	8.965	8.434	8.852	8.980	9.259	8.758	8.750	9.206	8.935	9.155	8.732	9.345	9.050	9.314	8.618	8.961	8.993	9.311	8.444	8.128	9.015	8.508
1424792	at	Bpo40	BC024607	Mm.35545	13	6.252	6.333	6.126	6.571	6.060	6.418	6.317	6.298	5.991	6.076	6.114	6.263	5.997	6.362	6.231	6.366	6.537	6.566	6.574	6.475	6.660	6.855	6.470	6.446
1424793	a at	Pfb2	AF307146	Mm.293018	6	6.401	6.256	6.550	6.451	6.549	6.496	6.497	6.418	6.833	6.510	6.654	6.637	6.534	6.613	6.666	6.511	6.554	6.554	6.654	6.783	6.585	6.356	6.375	6.444
1424794	at	Rnl186	BC011492	Mm.252312	4	7.354	6.878	7.053	7.130	7.056	6.861	6.935	7.153	7.138	7.027	7.131	6.988	6.964	7.177	7.056	7.047	7.033	6.979	7.127	7.098	6.981	6.885	7.071	7.069
1424795	at	U01022Rik	BC025937	Mm.185413	8	10.296	9.976	10.429	10.809	10.330	10.990	10.533	8.826	9.220	9.516	9.457	9.804	9.674	9.575	10.164	10.501	10.894	11.285	11.425	11.343	10.535	10.216	10.600	10.619
1424796	at	1700054N08Rik	BC024705	Mm.157746	8	7.406	7.723	7.433	7.614	7.539	7.500	7.349	7.850	7.861	7.516	7.959	7.349	7.504	7.743	7.639	7.273	7.566	7.454	7.460	7.397	7.479	7.622	7.618	7.305
1424797	a at	Pitx2	U80011	Mm.246804	3	4.984	5.059	5.019	5.093	4.962	5.459	5.204	4.915	5.654	6.093	4.841	4.895	4.964	5.447	4.860	5.568	5.509	6.052	4.925	4.932	4.859	4.472	5.221	
1424798	a at	Adam5	U22059	Mm.143889	8	4.920	5.037	5.159	5.081	5.059	5.253	5.166	5.287	5.074	5.126	4.946	5.046	5.040	5.076	5.269	4.903	5.078	4.991	5.335	5.309	4.776	4.944	5.113	5.216
1424799	a at	Gcc1	BC021462	Mm.332950	6	6.122	6.060	6.076	6.069	6.079	6.016	6.040	6.199	6.054	5.980	6.078	6.067	6.283	6.156	5.818	5.960	6.054	6.172	5.939	6.024	6.252	6.228	6.009	6.076
1424800	at	Enah	BC004416	Mm.87759	1	13.352	13.756	13.675	12.845	13.581	13.068	13.400	13.627	13.813	14.029	14.042	13.575	13.784	13.800	13.702	13.065	12.629	12.928	12.987	12.806	12.945	12.976	12.983	13.478
1424801	at	Enah	BC004416	Mm.87759	1	11.938	12.426	11.169	11.370																				

1424850	at	Map3k1	L13103	Mm.15918	13	7.921	7.984	8.088	7.892	7.665	7.851	8.090	8.039	7.849	8.076	8.102	7.988	7.995	8.062	8.083	8.046	7.916	8.003	8.016	7.967	7.907	8.059	7.817	7.982	
1424851	at	Chcd5	BE991735	Mm.40621	2	6.665	6.867	6.653	6.911	6.884	6.721	6.877	6.720	6.824	7.026	6.688	6.864	7.013	6.799	6.575	6.675	7.070	7.030	6.813	6.743	6.811	6.781	6.484	6.540	
1424852	at	Me12c	BB280300	Mm.20401	13	11.019	11.062	11.133	11.049	11.241	11.295	11.312	10.879	10.834	11.164	10.832	11.172	11.061	11.006	11.027	11.075	10.992	11.108	11.070	11.124	10.621	10.637	10.697	10.801	
1424853	s at	Cvp4a10	BC010747	Mm.10742	4	6.027	5.792	5.869	5.795	5.934	5.815	6.092	5.954	5.616	5.939	5.833	5.701	5.892	5.934	6.200	5.981	5.944	5.803	6.042	6.231	5.935	5.860	6.120	5.951	
1424854	at	Hst10a1	BC010757	Mm.14775	13	6.496	6.680	6.533	6.911	6.611	6.731	6.806	7.000	6.876	6.285	6.562	7.020	6.721	6.536	6.423	6.647	7.403	6.978	7.007	7.388	7.716	7.152	6.760		
1424855	at	Olah	BC025054	Mm.13808	2	5.903	5.585	5.576	5.688	5.629	5.587	5.789	5.746	5.660	5.628	5.538	5.520	5.694	5.751	5.848	5.787	5.762	5.729	5.915	5.874	5.915	5.952			
1424856	at	Atp1a1	BC020177	Mm.44101	7	6.915	6.561	6.828	6.837	6.799	6.717	6.978	7.006	6.777	6.692	6.735	6.709	6.890	6.895	6.740	6.952	6.853	6.809	6.776	6.805	6.901	6.810	7.210	6.897	
1424857	a at	Trim3a	AF220142	Mm.326945	7	7.059	6.880	7.185	6.999	6.803	6.954	7.184	6.927	7.098	7.213	7.068	6.922	7.118	7.099	7.166	7.181	6.900	6.979	7.072	7.207	7.057	7.118	7.090	7.125	
1424858	at	L2hqdh	BC016226	Mm.103362	12	9.643	9.454	9.775	9.764	9.192	9.925	9.863	9.292	8.925	9.160	9.247	9.278	9.068	9.286	9.396	9.726	9.847	9.714	10.001	9.924	9.762	9.902	9.987	9.959	
1424859	at	Homer3	BC005773	Mm.388127	8	7.142	7.806	7.080	7.162	7.713	7.019	7.143	7.703	7.909	7.444	7.561	7.798	7.828	7.317	7.563	7.216	7.394	7.323	7.403	7.208	7.276	7.477	7.309	7.005	
1424860	at	D930016D06RIk	BM200153	Mm.332534	5	7.727	7.452	7.510	7.313	7.364	7.573	7.617	7.343	7.228	7.377	7.479	7.278	7.085	6.984	7.183	7.534	7.574	7.581	7.396	7.513	7.613	7.770	7.539	7.682	
1424861	at	D930016D06RIk	BM200153	Mm.332534	5	7.204	6.969	7.164	6.923	6.972	7.107	7.014	6.854	6.816	7.059	6.890	6.877	6.585	6.721	6.919	7.344	6.957	6.929	6.839	7.003	7.019	6.883	7.241	7.319	
1424862	s at	Mib2	AB072336	Mm.235738	4	8.604	8.893	8.702	8.925	9.001	8.999	8.740	8.951	8.794	8.765	8.635	9.194	8.997	8.575	8.793	8.612	9.300	8.927	8.764	8.772	9.915	9.214	8.948	8.819	
1424863	a at	Hipk2	AF170301	Mm.23790	6	9.923	10.461	9.556	9.862	10.407	9.463	9.620	10.523	10.256	10.352	10.098	10.391	10.222	9.565	9.810	9.618	10.231	10.096	9.625	9.677	9.924	10.243	9.611	9.682	
1424864	at	Hipk2	AF170301	Mm.23790	6	6.220	6.404	6.201	6.322	6.376	5.937	6.079	6.340	6.469	6.537	6.389	6.220	6.227	6.215	6.036	5.918	6.016	6.188	6.270	6.122	6.223	6.293	6.200	6.134	
1424865	at	Pvv	BC010821	Mm.46248	11	5.654	5.581	5.616	5.734	5.554	5.445	5.588	5.824	5.583	5.640	5.789	5.610	5.708	5.747	5.796	5.663	5.747	5.543	5.669	5.734	5.751	5.813	5.443	5.772	
1424866	at	Usp43	BC021474	Mm.158885	11	6.836	7.007	6.838	6.904	6.956	6.960	6.942	7.404	7.028	7.093	7.197	6.994	7.028	7.119	7.052	6.964	6.905	7.012	6.998	6.924	7.000	6.974	6.868	6.841	
1424867	a at	Glyat	BC010799	Mm.39974	19	4.714	4.557	4.557	4.683	4.714	4.568	4.764	4.598	4.739	4.588	4.778	4.543	4.824	4.612	4.641	4.686	4.645	4.682	4.820	4.658	4.677	4.697	4.569	4.628	
1424868	at	Glyat	BC010799	Mm.39974	19	6.165	6.033	6.044	5.827	5.901	5.869	6.039	5.903	5.835	5.958	5.992	5.776	5.961	5.853	5.946	6.080	6.085	6.071	5.961	6.125	6.126	5.999	6.050	5.872	
1424869	at	Dhrs7b	BC003479	Mm.21475	11	9.080	9.567	9.261	9.136	9.233	9.172	9.162	9.244	9.539	9.483	9.175	9.348	9.181	9.499	9.154	9.223	9.257	9.342	9.334	9.232	9.066	9.227	8.844	9.038	
1424870	at	Oshb10	BC027256	Mm.458474	9	6.995	6.825	6.873	6.786	7.008	6.931	6.809	7.055	7.106	6.839	7.146	6.900	7.003	6.989	6.911	6.975	6.966	6.632	6.842	6.782	6.785	6.756	6.719	6.909	
1424871	s at	15000031H01RIk	BC013706	Mm.268895	16	9.756	9.715	9.795	9.706	9.758	9.602	9.779	10.104	9.871	9.798	9.525	9.846	9.871	9.641	9.844	9.776	9.628	9.777	9.691	9.897	10.028	10.118	10.084	9.864	
1424872	at	2300001H12RIk	BC012405	Mm.441438	5	6.457	6.831	6.697	6.724	6.600	6.717	7.065	6.742	6.723	6.679	6.627	6.816	6.674	6.703	6.523	6.672	6.669	6.744	6.756	6.704	6.656	6.702	6.686	6.614	
1424873	at	Rnf2	BC020122	Mm.441344	1	10.066	10.048	10.019	9.877	10.031	10.039	9.981	9.911	9.883	10.222	10.416	10.138	10.146	9.926	10.249	10.041	9.675	9.744	9.781	9.741	9.986	10.102	10.208	10.356	
1424874	a at	Ptpb1	BC007472	Mm.265610	10	8.820	9.670	8.756	8.820	8.876	9.073	8.918	8.752	9.142	9.188	8.626	8.686	9.054	9.754	9.108	8.865	8.137	8.228	8.822	8.810	8.417	7.939	8.971	8.776	
1424875	at	Ssp20	BB040507	Mm.235523	3	5.770	7.085	5.940	5.952	6.010	5.844	5.933	5.991	6.607	6.460	5.930	5.988	6.152	6.294	5.984	5.930	5.670	5.689	5.827	5.664	5.814	5.873	5.812	6.195	
1424876	s at	Ssp20	BB040507	Mm.235523	3	9.143	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	9.255	9.807	9.155	
1424877	at	Ssp20	BB040507	Mm.235523	3	10.082	10.278	9.927	9.986	10.469	10.191	9.616	8.867	9.051	9.933	10.355	9.997	9.783	9.783	9.141	10.154	9.266	10.981	10.741	10.574	10.647	10.804	10.289	9.987	9.434
1424878	at	Lrch4	BC012525	Mm.200763	5	8.787	8.678	8.692	8.759	8.825	8.892	8.667	8.653	8.771	7.897	7.698	8.657	8.731	8.748	8.721	8.616	8.735	8.807	8.692	8.721	8.829	8.565	8.821	8.704	
1424879	at	Lrch4	BC012525	Mm.200763	5	7.536	7.602	7.479	7.563	7.602	7.272	7.436	7.530	7.628	7.600	7.495	7.654	7.890	7.420	7.488	7.422	7.642	7.614	7.519	7.692	7.609	7.515	7.522	7.411	
1424880	at	Trib1	AV237242	Mm.40298	15	8.994	8.743	8.408	8.505	8.897	8.752	8.666	8.506	8.531	8.440	9.356	8.309	8.619	8.489	8.723	8.639	8.395	8.486	8.199	8.458	8.712	8.606	8.997	9.434	
1424881	at	Trib1	AV237242	Mm.40298	15	5.889	5.816	5.759	5.633	5.651	5.593	5.801	5.869	5.710	5.709	5.507	5.663	5.800	5.690	5.667	5.773	5.746	5.704	5.672	5.711	5.676	5.719	5.696	5.562	
1424882	at	Nt5dc2	BC011230	Mm.261681	14	8.317	7.665	8.011	8.323	8.183	8.358	8.115	7.983	8.845	8.422	8.067	8.580	8.456	8.336	8.310	8.018	8.911	8.932	8.784	8.729	8.719	8.564	8.346	8.473	
1424883	s at	Sfrs7	BC027391	Mm.292016	17	10.132	10.556	10.144	9.972	10.057	10.212	10.098	10.126	9.901	9.965	10.506	9.737	9.554	10.305	9.995	10.100	9.753	9.761	9.617	9.804	9.956	9.973	10.069	10.123	
1424884	at	Pole3	BC025220	Mm.379451	12	7.896	7.937	7.792	7.905	7.957	7.992	7.945	7.937	7.522	7.923	7.866	7.959	7.359	7.342	7.964	7.965	7.936	7.723	7.723	7.723	7.723	7.723	7.723	7.723	
1424885	at	Klhd8a	BC011135	Mm.39723	1	8.453	8.731	8.860	8.873	8.785	8.856	9.233	9.607	7.699	8.086	8.539	8.817	8.381	7.939	8.366	8.891	9.183	9.832	9.256	9.292	8.996	8.822	9.037	8.501	
1424886	at	Ptprd	BC025145	Mm.146764	4	9.220	8.961	9.086	8.833	9.324	9.207	8.996	8.734	8.933	9.040	8.521	9.160	9.261	8.400	8.894	8.960	9.176	9.435	9.541	8.952	9.215	9.112	8.807	8.909	
1424887	at	Klhd4	BC012312	Mm.209329	8	8.219	8.365	8.243	8.423	8.370	8.285	8.220	8.370	8.147	8.141	8.093	8.076	8.204	8.176	8.089	8.205	8.158	8.334	8.228	8.126	8.238	8.316	8.082	8.031	
1424888	at	2-Mar	BC002144	Mm.374865	17	10.309	10.309	10.373	10.398	10.421	10.267	10.271	10.711	10.395	10.293	10.315	10.514	10.384	10.116	10.281	10.347	10.775	10.579	10.449	10.359	10.653	10.728	10.118	10.326	
1424889	at	Nup12	AB067574	Mm.45513	5	7.479	7.444	7.385	7.499	7.450	7.079	7.349	7.560	7.683	7.706	7.277	7.514	7.634	7.464	7.323	7.381	7.727	7.738	7.458	7.443	7.542	7.683	7.215	7.499	
1424890	at	Bnc1	U88064	Mm.234380	7	6.856	6.392	6.665	6.444	6.501	6.780	6.674	6.423	6.624	6.495															

1424939	at	Asz1	AF459789	Mm.73091	6	6.038	5.654	5.972	5.649	5.836	5.741	5.812	5.865	6.170	5.655	6.002	5.607	5.796	5.712	5.685	5.796	5.688	5.604	5.798	5.999	5.762	5.975	5.918	5.985	
1424940	s at	BC022687	BC022687	Mm.186678	12	7.418	7.154	7.281	7.381	7.366	7.220	7.044	7.298	7.566	7.734	7.208	7.562	7.874	7.499	7.376	7.154	7.300	7.290	7.231	7.210	7.126	6.917	7.002	6.721	
1424941	at	BC016579	BC016579	Mm.97511	16	4.592	4.431	4.610	4.400	4.777	4.698	4.469	4.665	4.554	4.541	4.647	4.289	4.376	4.557	4.507	4.535	4.430	4.680	4.719	4.671	4.303	4.500	4.667	4.428	
1424942	a at	Myc	BC006728	Mm.2444	15	7.888	8.502	7.151	7.090	7.409	7.201	7.326	7.635	8.090	7.729	7.716	7.383	7.349	7.831	6.979	7.236	7.377	6.993	6.986	6.661	7.455	7.774	7.042	8.088	
1424943	at	Cyp4b31	BC013476	Mm.43978	4	4.320	4.182	4.263	4.338	4.326	4.281	4.365	4.192	4.343	4.134	4.424	4.210	4.154	4.415	4.222	4.278	4.564	4.277	4.201	4.414	4.336	4.126	4.331	4.265	
1424944	at	Pcp2	BC024853	Mm.404082	8	5.404	5.118	5.282	5.103	5.296	5.162	5.182	5.362	5.008	5.145	5.272	5.302	5.247	5.288	5.292	5.265	5.071	5.392	5.256	5.187	5.265	5.187	5.282	5.345	
1424945	at	Chrd1	AF321853	Mm.476088	X	5.574	5.466	5.406	5.586	5.432	5.601	5.479	5.504	5.532	5.208	5.364	5.363	5.595	5.446	5.517	5.548	5.547	5.608	5.422	5.425	5.435	5.480	5.504	5.479	
1424946	a at	Mtrf1	AK009195	Mm.45125	3	8.954	8.526	8.952	8.890	8.655	8.765	8.765	8.685	8.555	8.634	8.800	8.613	8.623	8.457	8.600	8.739	9.015	8.775	8.851	8.870	9.042	8.779	8.925	8.887	
1424947	at	Dvnc1l1i	BC023847	Mm.128627	9	10.280	10.484	10.422	10.348	10.462	10.369	10.305	9.981	10.580	10.779	10.528	10.736	10.479	10.426	10.766	10.369	9.886	10.241	10.491	10.400	10.007	9.727	10.417	10.574	
1424948	x at	H2-K1	L23495	Mm.422886	17	8.770	9.233	9.271	9.156	8.900	9.231	11.131	8.931	9.271	9.394	9.180	9.068	9.292	9.384	9.106	9.311	8.667	8.688	8.853	8.722	9.197	8.686	8.783	8.696	
1424949	at	Huwl1	BM248615	Mm.27372	X	9.232	9.028	9.379	9.273	9.549	9.423	9.452	9.936	8.667	8.937	8.870	9.118	9.105	9.029	9.226	9.339	9.210	9.397	9.743	9.483	9.075	9.203	9.453	9.671	
1424950	at	Socd9	BC024958	Mm.286407	11	6.185	6.482	6.292	5.996	6.729	6.542	6.378	6.343	6.893	6.935	6.609	7.113	6.712	6.434	7.029	6.332	6.133	6.101	6.379	6.246	5.994	5.794	6.102	6.604	
1424951	at	Baiap21	BC015459	Mm.18914	5	7.881	7.972	7.928	7.756	7.830	7.820	7.940	8.607	8.299	8.499	8.540	8.460	8.305	7.904	8.293	8.075	8.296	7.981	7.683	8.033	8.010	8.065	8.145	8.167	
1424952	at	Qxi9	BC006937	Mm.247039	5	8.348	7.903	8.467	8.256	8.420	8.762	8.797	8.062	7.759	7.788	8.399	8.051	8.356	8.213	8.026	8.369	8.746	8.828	8.774	8.437	8.801	8.853	8.515	8.624	
1424953	at	BC021614	BC021614	Mm.440201	19	7.176	6.880	7.238	7.178	7.173	7.053	7.109	7.179	7.258	7.029	7.175	6.936	7.344	7.254	7.170	7.055	7.293	7.206	7.308	7.414	7.338	7.065	7.167	7.156	
1424954	a at	Pip5k1c	BC021938	Mm.29836	10	9.214	9.552	9.206	9.277	9.658	9.229	9.153	9.514	9.563	9.367	9.609	9.549	9.575	9.374	9.377	9.257	9.361	9.373	9.305	9.278	9.385	9.519	9.262	9.168	
1424955	at	Ccdc5	BC024400	Mm.39293	18	9.768	9.890	9.951	9.772	9.810	10.012	9.868	9.803	9.636	9.858	9.646	9.926	9.737	9.868	9.838	9.992	10.014	10.135	10.119	10.139	9.882	10.047	9.990	9.891	
1424956	at	Ahd1c	BC0219130	Mm.31816	4	7.664	7.886	7.779	8.006	8.168	7.744	7.744	7.888	8.306	8.523	8.023	8.089	8.161	8.332	7.842	8.074	7.757	8.203	8.243	7.995	8.004	8.309	8.022	7.803	7.844
1424957	at	Ahd1c	BC0219130	Mm.31816	4	8.554	7.998	8.438	8.489	8.325	8.274	8.404	8.344	8.335	8.119	8.460	8.188	8.371	8.358	8.374	8.385	8.243	8.221	8.356	8.730	8.334	8.244	8.439	8.341	
1424958	at	Car9	BC010773	Mm.119320	4	5.795	5.616	6.394	6.349	5.925	5.833	6.335	6.151	5.819	5.706	5.852	5.815	6.121	5.946	5.774	6.025	6.102	6.026	5.885	6.182	6.252	6.144	6.066	6.172	
1424959	at	Anxa13	BC013521	Mm.237985	15	5.822	6.041	6.308	6.158	5.854	6.426	6.462	6.233	5.704	5.716	6.016	5.978	6.072	5.954	5.980	6.342	5.933	6.068	6.395	6.511	5.998	5.861	6.068	6.249	
1424960	at	Epn3	BC016454	Mm.248620	11	8.671	8.889	8.551	8.613	8.369	8.409	8.413	8.614	8.904	8.897	8.348	8.802	8.723	8.696	8.565	8.604	8.335	8.538	8.439	8.650	8.305	8.177	8.298	8.132	
1424961	at	Tapbp1	BC017613	Mm.296902	6	6.015	6.038	5.931	6.001	5.793	5.982	6.299	6.021	5.997	5.780	6.081	5.931	5.969	5.731	5.928	6.144	6.093	5.949	6.064	5.887	6.113	6.076	6.148	6.030	
1424962	at	Tp4sf4	BC010814	Mm.26618	3	6.605	6.379	6.454	6.577	6.618	6.240	6.515	6.515	6.649	6.273	6.317	6.562	6.457	6.550	6.436	6.435	6.749	6.467	6.493	6.494	6.685	6.498	6.466	6.574	
1424963	at	Rm1h1	AF155141	Mm.294263	1	3.985	3.872	3.889	3.837	3.912	4.009	3.870	3.770	3.825	3.734	3.962	3.775	3.784	3.759	3.879	3.882	3.907	3.922	4.177	3.953	3.955	3.863	3.856	3.904	
1424964	at	Rp1h	AF155141	Mm.294263	1	6.621	6.289	6.415	6.433	6.323	6.362	6.367	6.402	6.303	6.289	6.470	6.441	6.330	6.331	6.463	6.500	6.389	6.313	6.468	6.504	6.438	6.503	6.434	6.542	
1424965	at	Lpxn2	BC013565	Mm.192456	19	6.549	6.912	6.641	6.939	6.592	6.502	6.638	6.194	6.948	6.907	6.648	6.722	6.948	6.722	6.948	6.722	6.948	6.722	6.948	6.722	6.948	6.722	6.948	6.722	
1424966	at	Tmem40	BC019416	Mm.29739	6	7.217	7.068	6.617	7.207	7.023	7.395	7.109	7.221	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	7.081	
1424967	x at	Tnni2	L47552	Mm.247470	1	14.987	14.954	15.042	15.030	14.996	15.016	14.999	14.888	14.851	14.988	14.833	14.938	14.920	14.899	15.003	15.033	14.911	14.921	14.965	14.963	14.985	14.945	15.009	15.067	
1424968	at	Tnni23G05Rik	BC027185	Mm.26580	8	6.257	6.314	6.319	6.413	6.232	6.699	6.392	6.330	6.337	6.389	6.167	6.389	6.462	6.459	6.052	5.996	6.274	6.194	5.986	5.880	6.198	6.236	6.139	6.081	
1424969	s at	Upp2	BC027189	Mm.200370	2	4.061	3.959	4.036	3.985	4.002	4.132	4.117	4.075	4.178	4.004	4.320	4.078	4.040	3.997	3.930	4.033	4.031	4.086	4.045	4.058	3.949	4.006	3.989	4.010	
1424970	at	Purp	AF479672	Mm.159402	8	8.196	8.242	8.266	8.187	8.515	8.323	8.224	8.041	9.067	8.888	8.804	9.094	9.233	8.452	8.672	8.325	7.972	8.178	8.104	8.033	8.244	8.107	8.078	7.906	
1424971	at	Ccdc9	BC006674	Mm.194368	11	6.621	7.870	6.677	6.678	6.834	6.859	6.889	7.270	7.443	7.393	7.390	6.741	7.032	7.806	6.964	6.477	6.664	6.470	6.610	6.634	6.511	6.415	6.782	6.656	
1424972	at	Jdn2	BF466910	Mm.103560	12	6.457	6.718	6.613	6.664	6.599	6.502	6.578	7.071	6.540	6.487	6.608	6.409	6.448	6.708	6.582	6.561	6.903	6.634	6.750	6.582	6.759	6.619	6.738	6.452	
1424973	at	Cyrc25	BC004395	Mm.335420	5	6.395	6.935	4.309	4.443	4.235	4.423	4.394	4.225	4.418	4.508	4.258	4.423	4.412	4.442	4.552	4.504	4.025	4.494	4.605	4.489	4.444	4.617	4.507	4.374	
1424974	at	Zfp418	BC024761	Mm.184857	7	5.420	5.293	5.571	5.640	5.627	5.474	5.601	5.565	5.550	5.619	5.511	5.685	5.539	5.561	5.553	5.544	5.539	5.735	5.477	5.829	5.532	5.554	5.609	5.584	
1424975	at	Siclec5	AF293371	Mm.290569	7	4.005	4.004	4.096	4.005	4.071	4.003	3.992	3.903	3.957	3.940	3.961	3.969	3.922	4.099	4.013	4.091	4.021	4.028	3.825	3.956	4.061	4.041	3.933	4.276	
1424976	at	Rhov	BC021307	Mm.120274	2	4.597	4.296	4.300	4.376	4.309	4.371	4.238	4.454	4.197	4.164	4.395	4.215	4.385	4.139	4.153	4.366	4.464	4.223	4.514	4.380	4.404	4.402	4.536	4.432	
1424977	at	Lrrc67	BC022722	Mm.386795	1	4.138	4.037	4.227	4.080	4.077	4.149	4.031	3.883	4.120	3.983	4.060	3.943	4.003	3.987	4.057	3.945	3.959	4.122	4.254	4.311	4.000	3.978	4.131	4.159	
1424978	at	Otd4	AB074438	Mm.76826	11	5.729	5.660	5.667	5.937	5.565	5.685	5.989	5.700	5.650	5.525	6.019	5.738	5.644	5.655	5.727	5.697	5.533	5.769	5.753	5.747	5.837	5.818	5.795	5.817	
1424979	at	Aph1a	BC012406	Mm.389471	3	8.782	8.685	8.799	8.927	8.807	8.887	8.771	8.758	8.804	8.754	8.667	8.568	8.754	8.705											

1425028	a	at	Tpm2	BC024358	Mm.646	4	8.489	10.211	8.513	8.531	9.063	9.330	8.530	9.911	10.702	10.015	9.409	9.133	9.400	9.957	8.729	8.549	8.643	8.506	8.687	7.673	8.246	8.435	8.304	8.022		
1425029	a	at	Mboat2	BC025020	Mm.167671	12	8.705	9.060	8.718	8.892	9.085	9.036	9.039	8.905	8.907	8.989	9.001	9.320	8.992	8.959	9.050	8.591	9.405	9.171	9.258	9.098	9.150	9.463	8.968	9.184		
1425030	a	at	Zfp622	BC006964	Mm.29145	15	8.799	8.847	8.867	8.782	8.718	8.958	8.994	8.651	8.828	8.951	8.755	8.994	8.768	8.816	8.873	8.685	8.953	8.828	8.974	8.869	8.826	8.942	8.901	8.774		
1425031	at		Fkn	AB077393	Mm.475710	8	8.536	8.428	8.874	8.835	8.525	8.934	8.670	8.333	8.027	8.333	7.961	8.440	8.404	8.359	8.456	9.017	8.373	8.514	8.602	8.831	8.407	8.203	8.555	8.886		
1425032	at		Abn2	BC024677	Mm.110829	7	4.571	4.435	4.586	4.556	4.596	4.716	4.551	4.581	4.462	4.522	4.758	4.589	4.545	4.442	4.759	4.497	4.554	4.706	4.588	4.457	4.526	4.488	4.488	4.801		
1425033	at		Sic17a2	BC018306	Mm.24030	13	6.946	6.847	6.885	6.916	6.835	6.900	6.792	6.908	6.936	6.766	7.013	6.946	6.590	6.793	6.985	6.771	6.926	6.882	6.705	7.037	7.022	7.056	6.906	7.053	7.013	
1425034	at		Sic17a2	BC018306	Mm.24030	13	4.078	3.747	3.908	3.826	3.805	3.922	4.022	3.826	3.820	3.762	3.931	3.764	3.820	3.806	3.884	3.884	3.813	3.962	3.859	3.630	3.729	3.822	3.693			
1425035	s	at	Dnm13l	AF220524	Mm.13433	10	7.137	7.333	7.045	7.065	6.817	7.042	6.905	6.828	6.757	6.726	6.955	6.565	6.707	7.067	6.913	7.086	7.016	6.898	6.939	6.926	6.717	6.886	6.957	6.933		
1425036	a	at	Trnc6a	BC005741	Mm.102305	7	9.010	9.054	9.047	9.065	9.355	9.181	9.103	9.082	9.176	9.245	8.750	9.292	9.325	9.135	9.309	9.187	9.249	9.293	9.497	9.173	9.172	9.181	9.990	9.230		
1425037	at		Fdd4	AF402611	Mm.256131	16	7.723	7.524	7.607	7.517	7.176	7.686	7.631	7.294	7.039	7.339	7.339	7.027	7.389	7.089	7.282	7.468	7.141	7.550	7.211	7.299	7.286	7.499	7.739	7.727	7.960	
1425038	at		Sic22a9	BC021384	Mm.21365	19	6.284	5.803	6.148	6.044	6.026	6.112	6.255	6.006	5.998	5.992	6.122	5.870	6.122	6.207	6.256	6.197	6.171	6.023	6.211	6.250	6.018	5.961	6.449	6.272		
1425039	at		Itob1	BC020152	Mm.383176	14	7.868	8.227	7.892	8.029	10.272	8.901	8.167	7.485	10.615	10.441	9.296	10.805	11.094	8.842	10.446	7.765	7.558	8.361	8.354	7.913	8.309	7.896	8.131	8.076		
1425040	at		Cybrd1	AF354666	Mm.45435	2	7.034	6.922	6.871	7.149	6.843	6.967	7.104	6.927	7.207	6.891	6.994	6.888	7.034	7.270	6.894	6.878	6.912	6.517	6.935	6.974	6.822	6.748	6.932	6.968		
1425041	at		Lhx3	L38248	Mm.386765	2	7.702	7.371	7.713	7.881	7.476	7.520	7.839	7.397	7.593	7.451	7.499	7.350	7.441	7.467	7.543	7.674	7.514	7.550	7.645	7.587	7.664	7.730	7.643	7.541		
1425042	s	at	Pelp1	BC016444	Mm.340601	11	8.954	9.366	8.636	8.866	8.971	8.638	8.741	9.239	8.986	8.816	9.000	8.966	8.925	8.826	8.748	8.634	9.103	8.982	8.739	8.724	8.967	9.166	8.738	8.687		
1425043	s	at	0610037D15Rik	BC022733	Mm.458093	4	6.565	6.689	6.596	6.639	6.662	6.435	6.468	6.525	6.810	6.864	6.437	6.916	6.829	6.626	6.456	6.306	6.746	6.706	6.606	6.261	6.359	6.596	6.637	6.456		
1425044	at		Kcni6	D86040	Mm.328720	16	7.443	7.275	7.388	7.359	7.295	7.358	7.553	7.285	7.178	7.171	7.331	7.230	7.253	7.296	7.372	7.299	7.250	7.241	7.374	7.538	7.383	7.258	7.395	7.503		
1425045	at		LOC433466	BC016255	Mm.41467	2	7.817	7.851	7.653	7.586	8.147	7.722	7.898	7.843	7.730	7.744	8.263	7.843	7.928	7.845	8.009	7.789	7.876	7.805	7.929	7.838	8.195	7.753	8.069	8.117		
1425046	at		BC018465	BC018465	Mm.167141	2	6.194	5.780	6.217	6.231	5.990	6.120	6.155	6.075	5.828	5.881	6.203	5.950	6.144	6.083	6.013	6.042	6.089	6.048	6.096	6.273	6.251	5.946	6.209	6.006		
1425047	a	at	4921517L17Rik	BC027204	Mm.475234	2	5.973	5.642	5.808	6.019	5.851	6.020	5.901	5.986	6.025	5.846	5.964	6.047	5.927	5.923	5.941	6.039	6.121	6.031	6.014	6.365	5.897	5.951	6.098	5.858		
1425048	a	at	Hmnb1	U00431	Mm.207047	5	9.908	10.020	10.108	10.007	9.990	10.213	10.173	9.531	8.991	10.348	9.769	9.961	9.818	10.328	10.077	10.087	9.213	9.722	9.797	9.932	9.754	9.314	10.005	10.107		
1425049	at		Oas1h	AB067530	Mm.115351	5	6.173	5.587	6.078	5.929	5.840	5.785	6.037	5.966	5.854	5.909	5.530	5.489	6.103	5.771	5.819	6.170	6.038	6.262	5.907	6.090	5.841	5.773	6.112	6.075		
1425050	at		Isoe1	AK010892	Mm.182574	18	11.001	10.780	11.032	11.259	10.911	11.311	11.182	10.763	10.332	10.443	10.629	10.973	10.688	10.621	10.927	10.960	11.635	11.553	11.299	11.371	11.373	11.318	11.103	11.201		
1425051	at		Isoe1	AK010892	Mm.182574	18	9.279	8.860	9.345	9.476	8.912	9.668	9.503	8.518	8.424	8.850	8.802	8.711	8.512	9.030	9.198	9.546	9.040	9.169	9.579	9.671	9.221	9.242	9.671	9.702		
1425052	at		Isoe1	AK010892	Mm.182574	18	10.914	10.377	10.951	10.936	10.546	11.334	11.103	10.201	9.739	10.120	10.355	10.283	10.137	10.519	10.732	10.953	11.062	10.910	11.242	11.303	10.916	10.937	11.118	11.265		
1425053	at		Isoe1	AK010892	Mm.182574	18	7.454	7.612	7.448	7.554	7.471	7.577	7.686	7.310	7.480	7.378	7.563	7.323	7.366	7.631	7.459	7.351	7.737	7.737	7.642	7.743	7.705	7.611	7.763	7.686	7.963	
1425054	a	at	Z51006D16Rik	BC021872	Mm.100812	10	10.302	10.022	10.072	10.035	10.302	10.383	10.378	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	10.382	
1425055	at		Sas2	BB532544	Mm.184055	15	8.086	8.095	8.273	8.341	8.160	8.146	8.320	8.182	8.158	8.172	8.273	8.187	8.273	8.187	8.273	8.187	8.273	8.187	8.273	8.187	8.273	8.187	8.273	8.187	8.273	
1425056	s	at	Sas2	BB532544	Mm.184055	15	7.124	7.267	7.239	7.425	7.290	7.164	7.283	7.347	7.315	7.036	7.358	7.172	7.364	7.182	7.128	7.341	7.531	7.406	7.280	7.208	7.318	7.298	7.279	7.292		
1425057	at		Pblid	BC019997	Mm.261389	10	6.114	5.646	6.012	5.922	5.891	5.674	5.838	5.794	5.987	5.829	5.705	5.720	5.793	5.707	5.876	5.987	6.255	6.269	6.013	6.039	5.972	6.045	6.082	5.948		
1425058	at		Zfp472	BC023090	Mm.328953	17	5.803	6.737	6.310	5.999	6.451	6.194	6.146	6.538	6.585	6.515	6.223	6.818	6.725	6.528	6.490	5.983	6.856	6.466	6.576	6.315	6.497	6.729	6.412	6.327		
1425059	at		Prrnt6	BC022899	Mm.36115	3	6.964	7.399	7.050	6.964	6.857	6.889	7.029	6.991	6.995	7.076	7.201	6.825	7.150	7.234	6.993	7.048	7.039	6.856	6.666	6.877	7.049	6.735	7.005	7.046	7.109	
1425060	s	at	Clip1	BG998910	Mm.241109	5	8.885	8.265	8.138	8.286	8.667	7.880	8.227	9.454	7.906	8.312	8.208	8.924	8.386	7.728	8.466	8.199	9.163	8.457	7.743	7.987	9.072	9.470	8.401	8.602		
1425061	at		Wasf3	BC027038	Mm.477550	5	7.142	6.714	6.963	7.111	7.024	6.872	7.072	7.086	6.921	6.815	7.142	6.970	6.983	6.985	7.012	7.130	6.970	7.010	7.102	7.155	7.193	7.083	7.039	6.998		
1425062	at		Fic1	BF163263	Mm.250273	6	6.833	6.149	6.759	6.629	6.632	6.496	6.599	6.646	6.725	6.517	6.596	6.625	6.579	6.596	6.625	6.591	6.631	6.591	6.631	6.591	6.631	6.591	6.631	6.591	6.631	
1425063	at		Fic1	BF163263	Mm.255203	3	4.444	4.117	4.378	4.559	4.318	4.394	4.460	4.454	4.410	4.215	4.463	4.243	4.407	4.326	4.470	4.430	4.415	4.311	4.302	4.381	4.378	4.193	4.368	4.322		
1425064	at		Arnt	BF164204	Mm.250265	3	7.149	6.556	7.384	7.086	6.888	7.162	6.941	6.862	6.608	6.697	6.899	6.654	6.757	6.925	7.121	7.071	6.756	6.880	7.142	7.289	6.865	6.751	7.202	7.063		
1425065	at		Oas2	AB067535	Mm.260926	5	8.733	8.760	8.731	8.818	8.508	8.528	8.639	8.643	8.415	8.572	8.715	8.840	8.395	8.666	8.499	8.802	8.580	8.460	8.413	8.492	8.769	8.605	8.944	8.759		
1425066	a	at	Mtmr14	BC018294	Mm.197816	6	8.529	8.931	8.457	8.707	8.772	8.600	8.408	8.812	9.036	8.928	8.361	9.145	8.788	8.703	8.712	8.393	8.792	8.870	8.495	8.704	8.871	9.132	8.933	8.533		
1425067	at		Celsr3	AF427498	Mm.39945	9	7.380	7.316	7.278	7.31																						

1425117	at	0610012D14Rik	BC019451	Mm.88478	7	8.295	7.995	8.174	8.114	8.064	8.099	8.160	8.156	8.107	8.027	8.205	8.025	8.140	7.915	8.044	8.162	8.296	8.158	8.162	8.147	8.310	8.348	8.267	8.026	
1425118	at	Spire2	BC026502	Mm.150200	8	8.543	8.183	8.471	8.384	8.269	8.499	8.297	8.356	8.389	8.252	8.363	8.232	8.163	8.307	8.202	8.412	8.371	8.378	8.353	8.455	8.422	8.195	8.370	8.381	
1425119	at	Oas1b	BC012877	Mm.233471	5	7.795	7.709	7.707	7.702	7.756	7.595	7.936	7.852	7.664	7.552	7.725	7.650	7.700	7.724	7.596	7.765	7.494	7.577	7.710	7.797	7.626	7.891	7.686		
1425120	x at	BH10023F06Rik	BC021795	Mm.298416	12	7.129	7.457	7.079	7.057	7.193	7.029	6.849	7.163	7.493	7.457	7.153	7.560	7.286	7.012	7.009	7.162	7.146	6.932	7.017	6.756	6.992	7.310	7.012	7.078	
1425121	at	BC006965	BC011047	Mm.297761	11	6.252	5.993	6.386	6.155	6.177	6.214	6.483	6.251	5.950	5.914	6.407	6.153	6.152	6.232	6.306	6.252	6.344	6.266	6.144	6.235	6.244	6.337	6.279		
1425122	at	CRN1	AF360358	Mm.437932	15	7.369	4.092	4.232	4.486	4.214	4.082	4.314	4.468	4.245	4.440	4.760	4.378	4.377	4.262	4.316	4.402	4.212	4.380	4.212	4.378	4.417	4.354	4.317		
1425123	at	KlH3b	BC025816	Mm.86446	8	5.695	6.022	5.710	5.656	5.918	5.442	5.513	5.746	5.836	5.756	5.727	6.228	5.692	5.812	5.728	5.517	5.791	5.692	5.713	5.569	5.812	5.655	5.494	5.567	
1425124	at	Rht183	BC025512	Mm.169565	4	6.715	6.539	6.808	6.592	6.673	6.604	6.853	6.668	6.737	6.569	6.650	6.616	6.577	6.704	6.640	6.604	6.690	6.625	6.661	6.858	6.627	6.657	6.843	6.863	
1425125	at	Oit3	AF356506	Mm.123013	10	6.396	5.817	6.433	5.937	6.033	5.984	6.062	6.010	6.051	5.956	5.572	5.983	6.008	5.984	5.912	6.208	6.060	6.044	6.193	6.112	6.135	5.862	6.156	6.228	
1425126	at	Ncam1	BC011310	Mm.4974	9	5.799	5.631	5.954	5.907	5.871	5.700	5.897	5.911	6.049	5.913	5.917	5.792	5.942	5.951	5.791	5.896	5.516	5.868	5.838	6.013	5.919	5.909	5.897	5.844	
1425127	at	Hsd3b2	BC026757	Mm.475976	3	6.422	6.149	6.339	6.115	6.183	6.218	6.450	6.101	6.222	6.111	6.417	5.937	6.139	6.287	6.477	6.312	6.270	6.231	6.236	6.579	6.021	6.043	6.241	6.294	
1425128	at	B3gnt8	BC025206	Mm.192369	7	6.785	7.360	6.872	6.960	5.895	7.040	7.015	6.717	7.675	7.535	6.951	7.484	7.642	7.507	7.248	6.793	6.702	6.917	6.793	6.809	6.868	7.023	6.906	6.777	
1425129	a at	Taldol	BC004754	Mm.29182	7	10.887	11.280	10.658	10.904	10.983	10.876	10.824	11.046	11.410	11.333	10.847	11.428	11.237	11.147	10.779	10.601	11.223	11.147	10.912	10.923	10.922	11.158	10.599	10.664	
1425130	a Ptm	U28216	Mm.4654	7	5.580	5.488	5.427	5.555	5.409	5.367	5.341	5.672	5.509	5.312	5.620	5.419	5.444	5.526	5.512	5.557	5.519	5.500	5.558	5.510	5.526	5.736	5.470	5.352		
1425131	at	Ptm5	U28216	Mm.4654	7	5.946	5.802	6.010	6.062	6.050	5.941	5.929	5.956	6.081	5.859	6.058	5.978	5.993	5.919	5.918	5.985	6.093	5.863	6.101	6.032	6.151	5.938	5.999	6.059	
1425132	at	Neto1	AF448840	Mm.329578	18	8.240	7.842	8.077	8.153	8.091	8.068	8.178	8.190	7.910	8.040	8.173	7.959	7.917	8.148	8.011	8.080	8.142	8.150	8.099	8.095	8.122	8.256	8.163	8.274	
1425133	s at	Rab301l	BC020147	Mm.281969	19	7.975	8.401	7.826	8.021	8.037	8.090	7.949	7.994	8.356	8.221	7.959	8.267	8.164	8.248	8.005	7.854	7.937	8.026	8.022	7.837	7.785	7.753	7.762	7.569	
1425134	a at	Plox	BC002202	Mm.77613	16	9.630	9.980	9.844	9.769	9.610	9.846	9.755	9.610	9.752	9.734	9.483	9.850	9.750	9.683	9.757	9.872	9.973	9.858	9.896	9.757	9.749	9.630	9.656		
1425135	a at	Dnm2	BC0110233	Mm.433257	9	9.604	9.509	9.590	9.643	9.496	9.465	9.516	9.648	9.514	9.404	9.565	9.534	9.476	9.598	9.502	9.538	9.765	9.669	9.636	9.658	9.778	9.571	9.658	9.649	
1425137	a at	H2-O10	BC011215	Mm.88795	17	5.416	5.093	5.034	5.281	5.243	5.139	5.217	5.314	5.204	5.105	5.305	5.115	5.237	5.240	5.106	5.068	5.154	5.149	5.108	5.106	5.318	5.115	5.265	5.304	
1425138	at	Gucal1b	BC018480	Mm.59151	17	8.364	8.019	8.124	8.101	7.905	7.944	8.140	8.067	8.088	7.843	8.176	7.843	7.837	7.996	8.009	8.186	8.034	7.928	8.024	8.078	8.093	7.811	8.206	8.090	
1425139	at	Sesn2	AV308638	Mm.23608	4	7.986	8.316	8.074	7.953	8.321	8.046	7.936	8.091	8.576	8.407	8.339	7.876	8.552	8.166	8.207	7.927	7.927	8.161	8.023	8.115	8.009	8.114	8.072	7.926	7.927
1425140	at	Lactb2	BE691552	Mm.89572	1	8.399	8.921	8.624	8.452	8.543	8.830	8.824	8.846	8.445	8.568	8.530	8.512	8.090	8.703	8.511	8.567	8.450	8.575	8.531	8.573	8.386	8.297	8.555	8.633	
1425141	at	Lactb2	BE691552	Mm.89572	1	8.532	8.289	8.533	8.530	8.348	7.777	8.741	8.413	8.153	8.203	8.233	8.347	8.118	8.273	8.495	8.537	8.483	8.737	8.601	8.795	8.469	8.372	8.655	8.771	
1425142	a at	Hnmpd	BC011172	Mm.150231	5	9.180	9.587	9.084	8.724	8.748	8.913	9.215	9.617	9.101	8.733	9.188	9.168	8.677	9.387	8.335	8.994	9.445	9.137	9.187	7.883	9.893	9.373	8.909	8.806	
1425143	a at	Kik1b11	BC013660	Mm.443371	1	13.128	13.088	13.535	13.177	13.528	13.177	13.218	12.897	13.128	13.098	12.898	12.743	13.175	13.050	13.275	13.736	13.650	13.459	13.630	13.744	13.581	13.654	13.337	13.779	
1425145	at	Il1r1	D13695	Mm.289824	1	8.033	8.069	8.231	8.075	8.180	8.344	8.200	8.055	7.880	7.808	8.152	8.245	8.130	8.074	8.142	8.111	7.961	7.931	8.164	8.205	8.122	8.143	8.254	7.882	
1425146	at	2410075B13Rik	BC024536	Mm.443924	15	7.693	7.448	7.144	7.317	7.557	7.443	7.509	7.595	7.509	7.494	7.437	7.419	7.455	7.447	7.476	7.749	7.895	7.506	7.457	7.407	7.639	7.453	7.282	7.515	
1425147	at	2410075B13Rik	BC024536	Mm.443924	15	7.060	6.946	6.896	7.039	6.996	6.831	6.880	6.736	7.105	7.149	7.039	7.020	6.751	7.201	6.809	7.067	6.951	6.784	6.916	6.966	6.990	6.818	6.867	6.741	
1425148	a at	Snx6	BC025911	Mm.28240	12	9.461	10.221	9.159	9.398	10.043	9.363	9.558	10.172	10.496	9.986	9.710	10.322	10.053	8.999	9.731	9.135	9.975	9.753	9.379	9.247	9.882	9.996	9.941	9.158	
1425149	a at	Pdcl	BC006578	Mm.30709	2	8.774	8.959	8.946	8.865	8.833	8.944	9.088	8.928	8.764	9.059	8.571	8.819	8.738	9.080	9.018	8.819	8.714	8.855	9.129	8.739	8.798	8.961	8.929	8.833	
1425150	at	Acatn2	BC0110289	Mm.35071	4	5.300	4.870	5.212	4.957	4.797	5.033	5.139	4.973	4.764	5.001	5.044	4.926	4.936	5.188	4.877	5.237	5.041	5.058	5.177	5.229	4.998	4.972	5.323	5.004	
1425151	at	Nosr1	BC017135	Mm.245931	17	7.204	7.364	6.307	7.291	7.292	7.261	7.234	7.259	7.015	7.125	7.157	7.095	7.270	7.197	7.081	7.127	7.343	7.192	7.366	7.127	7.219	7.195	7.195	7.195	
1425152	s at	Serpini2	AF251276	Mm.259446	3	5.346	5.183	5.208	5.402	5.231	5.346	5.179	5.172	5.149	5.260	5.295	5.207	5.329	5.261	5.213	5.403	5.182	5.229	5.532	5.714	5.283	5.149	5.325	5.369	
1425153	at	Myh2	BC008538	Mm.425679	11	7.429	7.283	7.361	7.418	7.367	7.214	7.384	7.650	7.340	7.511	7.313	7.383	7.476	7.404	7.232	7.306	7.624	7.305	7.434	7.201	7.563	7.452	7.490	7.487	
1425154	a at	Csf1	M21149	Mm.795	3	7.758	7.703	7.833	7.882	7.834	7.797	7.788	7.804	7.853	7.685	7.761	7.892	7.798	7.729	7.828	7.757	7.860	7.795	7.784	7.783	7.751	7.808	7.766	7.838	
1425155	x at	Csf1	M21149	Mm.795	3	7.297	7.608	7.303	7.517	7.397	7.329	7.577	7.377	7.380	7.335	7.351	7.449	7.375	7.479	7.128	7.242	7.277	7.239	7.124	7.107	7.241	7.350	6.957	7.210	
1425156	at	Gbb6	BC010229	Mm.45740	3	8.568	8.739	8.883	8.873	8.923	9.179	10.668	8.939	8.842	8.948	8.977	8.844	8.944	9.011	8.948	8.873	7.933	8.888	8.774	7.958	9.118	9.150	8.936	8.772	
1425157	x at	Tspan33	BC024685	Mm.225289	6	6.490	6.145	6.575	6.490	6.383	6.494	6.389	6.418	6.133	6.229	6.321	6.455	6.141	6.012	6.529	6.517	6.348	6.686	6.195	6.365	6.506	6.342	6.498	6.450	
1425158	at	Tspan33	BC024685	Mm.225289	9	9.309	9.577	9.309	9.577	9.287	9.309	9.577	9.131	9.365	9.131	9.365	9.131	9.365	9.131	9.365	9.131	9.365	9.131	9.365	9.131	9.365	9.131	9.365	9.131	
1425159	at	Gol1a	BC024685	Mm.247935	1	7.739	5.560	5.685	5.705	5.444	5.558	5.619	5.525	5.635	5.565	5.435	5.558	5.625	5.648	5.562	5.458	5.582	5.546</							

1425206	a	at	Ube3a	BB224620	Mm.9002	7	6.858	6.801	6.925	6.787	6.857	7.287	7.016	6.804	6.020	6.910	6.840	6.835	6.576	6.830	7.024	7.323	6.926	6.876	7.326	7.072	6.941	6.975	7.291	7.304	
1425207	a	at	BC026439	BC026439	Mm.26555	15	6.702	6.215	6.810	6.715	6.451	6.628	6.609	6.513	6.302	6.309	6.551	6.551	6.496	6.568	6.378	6.817	6.715	6.675	6.905	6.827	6.755	6.534	6.712	6.514	
1425208	a	at	Lbh	BC026827	Mm.154109	17	8.182	8.081	8.167	8.235	8.314	8.264	8.489	8.139	7.857	8.139	8.144	8.347	8.037	7.939	8.246	8.544	8.840	8.099	8.134	8.681	8.717	8.011	7.998	8.269	8.193
1425209	a	at	Zfp84	AI465811	Mm.251083	7	6.815	6.687	6.860	6.833	6.755	6.725	6.567	6.662	6.669	6.596	6.685	6.729	6.724	6.761	6.775	6.849	6.570	6.790	6.874	6.869	6.759	6.648	7.243	6.866	
1425210	s	at	Zfp84	AI465811	Mm.251083	7	7.353	7.416	7.086	7.643	7.565	7.738	7.710	7.211	7.384	7.384	7.247	7.247	7.247	7.247	7.247	7.247	7.514	7.586	7.550	7.640	7.528	7.578	7.817	7.624	
1425211	s	at	Gaic	BC021775	Mm.229308	5	9.633	9.571	9.545	9.598	9.489	9.429	9.632	9.641	9.421	9.262	9.348	9.361	9.247	9.409	9.365	9.471	9.934	9.757	9.701	9.769	9.955	9.626	9.535		
1425212	a	at	Tnfrsf19	AF167554	Mm.281356	14	6.586	6.060	6.123	6.489	6.220	6.246	6.520	6.667	6.210	6.144	6.530	6.249	6.216	6.366	6.252	6.196	6.453	6.338	6.470	6.529	6.384	6.425	6.422	6.444	
1425213	at	at	6430514L14Rik	BC025646	Mm.44355	9	8.963	8.492	8.268	8.850	9.325	8.874	8.904	9.388	8.933	8.782	9.031	9.025	8.800	8.072	9.183	8.315	9.343	9.266	8.726	9.259	9.578	9.170	9.023	9.116	
1425214	at	at	P2rv6	BC027331	Mm.235193	7	8.014	8.926	8.195	8.457	8.853	8.836	8.392	8.044	8.924	8.496	8.032	8.905	9.096	9.657	8.607	8.239	7.489	7.619	7.826	7.554	7.960	7.687	7.941	8.114	
1425215	at	at	Ffar2	AV370830	Mm.97338	7	8.102	7.791	8.159	8.240	7.948	7.957	8.106	8.137	8.197	8.037	8.051	7.997	7.995	8.183	7.928	8.004	7.975	8.021	8.132	8.111	8.096	7.901	8.106	8.515	
1425216	at	at	Ffar2	AV370830	Mm.97338	7	6.741	6.650	6.398	6.753	6.673	6.441	6.425	6.656	6.914	6.589	6.676	6.449	6.786	6.852	6.632	6.637	6.511	6.372	6.619	6.699	6.550	6.287	6.621	6.618	
1425217	a	at	Synn2	AF041862	Mm.236068	17	4.447	4.355	4.567	4.580	4.771	4.531	4.564	4.536	4.735	4.650	4.311	4.765	4.485	4.743	4.484	4.534	4.892	4.542	4.647	4.221	4.792	4.877	4.466	4.443	
1425218	a	at	Scob3a2	AF274959	Mm.210437	18	6.954	6.324	6.550	6.592	6.483	6.483	6.449	6.633	6.450	6.338	6.519	6.340	6.372	6.396	6.356	6.530	6.524	6.327	6.503	6.731	6.655	6.499	6.591	6.756	
1425219	x	at	Gnat1	BC025929	Mm.95398	6	5.695	5.502	5.831	5.621	5.749	5.741	5.963	5.862	5.515	5.706	5.961	5.795	5.904	6.048	5.840	5.850	5.803	5.907	5.869	5.828	5.872	5.442	5.442		
1425220	x	at	AF067061	AF067062	Mm.247428	Un	7.233	6.943	7.228	7.172	7.142	7.078	7.214	7.125	7.045	7.013	6.996	7.063	6.978	7.070	7.195	7.243	7.121	7.084	7.131	7.401	7.142	7.037	7.186	7.112	
1425221	at	at	Aqr3	BC023499	Mm.190508	12	5.055	5.036	5.212	5.121	5.084	5.171	5.234	5.093	5.081	4.958	5.218	5.032	5.091	5.085	5.206	5.305	5.113	4.928	4.904	5.237	5.077	4.953	5.158	5.200	
1425222	x	at	AB056442	AB056443	Mm.265517	19	5.063	4.853	5.213	5.119	5.011	5.123	5.131	5.051	4.956	4.715	5.102	4.873	5.102	5.087	4.867	5.068	5.122	5.028	5.015	5.230	5.237	5.333	5.210	5.109	
1425223	at	at	Birc3	BC011338	Mm.2026	9	7.217	7.164	7.099	7.291	7.275	7.275	7.111	7.206	7.451	7.216	7.465	7.227	7.226	7.324	6.977	7.166	7.016	6.896	7.222	7.019	6.991	6.989	7.414	7.008	
1425224	at	at	Sfmo1	BC019561	Mm.221420	18	8.985	8.456	8.755	8.782	8.577	8.629	8.722	8.702	8.557	8.477	8.778	8.444	8.628	8.652	8.539	8.633	8.526	8.592	8.646	8.677	8.685	8.621	8.739	8.626	
1425225	at	at	Fcgr4	BC027310	Mm.251254	1	8.262	8.419	7.969	8.042	8.038	8.108	8.239	7.855	8.472	8.087	8.332	8.472	8.262	8.550	8.065	8.058	7.872	7.750	7.958	7.702	7.889	7.914	7.933	8.126	
1425226	x	at	TcrbJ	M16120	Mm.333026	6	7.619	7.416	7.505	7.462	7.564	7.374	7.527	7.657	7.731	7.530	7.772	7.558	7.648	7.640	7.488	7.469	7.608	7.467	7.526	7.673	7.667	7.487	7.649	8.024	
1425227	a	at	At6p6Oa1	BC001995	Mm.340818	11	6.257	6.577	6.070	6.152	6.119	6.311	5.914	6.404	6.201	6.149	6.287	6.103	6.095	6.195	6.180	6.100	6.032	5.886	5.922	6.199	5.928	5.970	6.037	6.241	
1425228	a	at	Dauoq	AY037862	Mm.190508	6	9.436	8.967	9.350	9.319	8.986	9.496	9.306	9.355	8.992	9.079	8.282	9.100	9.254	8.839	8.987	9.264	9.750	9.554	9.409	9.555	9.615	9.554	9.234	9.241	
1425229	a	at	Tcf7l2	AF107298	Mm.139815	19	7.718	7.512	7.931	7.921	7.890	8.009	7.891	7.806	7.783	7.736	7.739	7.856	7.608	7.615	7.950	7.974	7.792	8.023	8.108	8.053	7.799	7.553	7.899	8.034	
1425230	at	at	Nasf	AF462069	Mm.31686	11	6.765	6.388	6.665	6.649	6.544	6.627	6.485	6.726	6.568	6.363	6.657	6.627	6.482	6.542	6.629	6.608	6.523	6.545	6.640	6.709	6.564	6.641	6.690	6.614	
1425231	a	at	Zfp46	BC006587	Mm.1504	4	10.832	10.620	11.044	11.353	11.093	11.175	10.958	10.686	10.680	10.584	10.363	11.033	10.883	10.882	10.727	11.022	11.530	11.461	11.349	11.172	10.956	11.150	10.889	10.395	
1425232	x	at	Arp1	M099138	Mm.251083	5	5.093	5.037	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	5.087	
1425233	s	at	LOC10071181Rik	BC019553	Mm.58038	11	10.346	9.941	10.482	9.484	9.428	9.237	9.690	9.978	10.232	10.862	10.768	10.204	10.449	9.510	10.811	10.475	10.023	9.472	9.511	10.018	8.320	10.715	8.691		
1425234	at	at	Col20a1	BE945716	Mm.345095	2	5.668	5.544	5.502	5.625	5.616	5.621	5.624	5.659	5.928	5.714	5.584	5.603	5.420	5.574	5.627	5.619	5.791	5.655	5.753	5.674	5.606	5.703	5.493	5.666	
1425235	s	at	Col20a1	BE945716	Mm.345095	2	8.058	7.661	7.898	7.962	7.766	7.659	7.706	8.077	8.145	7.944	7.847	8.077	8.107	7.875	7.916	7.849	7.832	7.894	7.922	7.911	8.144	8.129	7.990	8.047	
1425236	at	at	Col20a1	BE945716	Mm.345095	2	5.804	5.773	5.869	5.960	5.922	6.080	5.967	6.075	6.194	6.047	5.906	5.836	5.909	6.032	5.821	5.822	5.749	5.698	6.192	5.944	6.021	5.823	6.175	6.126	
1425237	at	at	Krtap16-8	AF345298	Mm.46209	16	4.864	4.474	4.801	4.775	4.859	4.967	4.977	4.862	4.760	4.857	5.001	4.884	4.838	4.844	4.993	4.986	4.668	4.863	4.869	5.109	4.827	4.813	4.711	4.891	
1425238	at	at	SEG25603	BC011413	Mm.37987	9	6.589	6.671	6.625	6.549	6.565	6.475	6.433	6.859	6.778	6.587	6.636	6.707	6.604	6.651	6.515	6.592	6.692	6.438	6.529	6.505	6.655	6.780	6.333	6.629	
1425239	at	at	Satd8	AY037804	Mm.106828	16	7.404	7.414	7.353	7.356	7.372	7.337	7.340	7.462	7.244	7.244	7.429	7.326	7.417	7.416	7.055	7.326	7.716	7.474	7.359	7.516	7.416	7.548	7.600	7.253	
1425240	at	at	Wsl1426	BC011273	Mm.273090	17	7.875	7.766	7.593	7.657	7.162	7.502	7.732	7.352	7.655	7.702	7.568	7.359	7.676	7.614	7.313	7.618	7.302	7.392	7.419	7.358	7.458	7.358	7.458	7.258	
1425241	a	at	Wsl1	BC019601	Mm.307022	11	9.335	10.144	9.298	8.971	9.216	9.384	9.482	9.288	10.144	10.059	9.997	9.513	9.591	10.072	9.659	9.335	9.336	9.018	9.294	8.836	8.714	8.739	9.130	9.426	
1425242	at	at	18b1006K21Rik	BC024923	Mm.375100	19	8.886	8.728	8.854	8.842	8.826	8.829	8.820	8.684	8.858	8.759	8.707	8.719	8.835	8.836	8.716	8.819	8.839	8.769	8.874	8.899	8.853	8.876	8.844	8.897	
1425243	at	at	Cd207	AY026050	Mm.136079	6	7.033	6.776	6.941	7.081	6.875	6.687	6.929	6.985	6.971	6.554	6.993	6.791	6.825	6.901	6.886	6.720	6.930	6.968	6.852	6.998	7.067	6.813	7.169	6.975	
1425244	a	at	Theq	AB033128	Mm.89197	10	6.899	6.710	6.973	6.899	6.693	7.058	6.833	6.945	6.871	6.576	7.019	6.576	6.667	6.902	6.727	6.777	6.676	6.901	6.922	7.152	6.817	6.872	6.714	6.991	
1425245	a	at	Rgs14	BC019741	Mm.109840	17	7.381	7.404	7.237	7.275	7.456	7.077	7.189	7.409	7.461	7.484	7.666	7.368	7.579	7.413	7.161	7.346	7.074	6.899	7.269	7.062	7.218	7.062</			

1425295	at	Earr11	BC020070	Mm.153688	14	6.198	5.809	6.171	5.935	5.832	6.139	6.145	5.890	5.967	6.104	5.961	5.900	6.028	6.078	6.175	6.007	6.269	6.014	6.153	6.011	6.034	6.085	6.143		
1425296	a	Rqs3	AF215669	Mm.286753	4	9.226	9.677	9.358	9.309	9.548	9.373	9.232	9.665	9.868	9.909	9.746	9.822	9.763	9.387	9.668	9.365	9.505	9.590	9.563	9.551	9.531	9.357	9.339	9.367	
1425297	at	Rfp285	BC012278	Mm.296909	13	6.986	7.074	7.006	6.800	6.779	6.975	7.010	7.056	6.793	6.824	6.625	6.756	6.735	6.886	7.008	6.949	7.084	7.029	6.969	7.034	6.905	7.114	6.832	6.729	
1425298	a	Nanp1	AF135491	Mm.6898	13	4.881	4.648	5.002	4.803	4.760	4.946	4.737	4.664	4.789	4.639	4.871	4.820	4.831	4.826	4.739	4.818	4.722	4.887	4.860	4.992	4.825	4.667	4.965	4.849	
1425299	s	at	Q610038D11Rik	BC019418	19	11.458	11.737	11.207	11.454	11.659	11.786	11.456	11.981	11.709	11.349	11.457	11.864	11.810	11.444	11.320	11.278	12.238	11.810	11.536	11.466	12.104	12.171	11.307	11.180	
1425300	at	Dal1	BC021917	Mm.318668	19	7.418	7.256	7.387	7.473	7.575	7.100	7.398	7.628	7.519	7.399	7.379	7.900	7.615	7.406	7.479	7.308	7.645	7.489	7.411	7.352	7.485	7.485	7.417	7.383	
1425301	at	Ncam2	AF001287	Mm.433941	16	4.941	4.824	4.989	5.035	4.876	4.823	5.244	5.007	4.923	4.801	5.184	4.842	4.959	5.107	4.973	5.219	4.509	4.941	5.066	5.249	4.984	4.959	5.059	4.918	
1425302	at	BC024997	BC024997	Mm.131205	11	6.773	6.583	6.587	6.448	6.565	6.635	6.691	6.685	6.670	6.387	6.602	6.521	6.616	6.668	6.607	6.735	6.615	6.700	6.669	6.522	6.811	6.666	6.570	6.604	
1425303	at	Gck	L38990	Mm.220358	11	8.423	7.740	8.398	8.379	8.919	8.464	8.553	8.825	8.116	8.342	8.796	8.524	8.206	7.821	8.585	8.502	7.794	7.848	7.553	8.079	9.251	9.093	8.798	9.659	
1425304	s	at	Prima1	AY043275	Mm.217019	12	6.861	6.810	6.667	6.826	6.814	6.514	6.845	6.884	6.448	6.905	6.702	6.939	6.609	6.743	6.666	6.674	6.740	6.723	6.792	7.084	6.929	6.851	6.716	
1425305	at	Zfp295	BC027135	Mm.458750	16	7.595	7.543	7.322	7.250	7.488	7.172	7.265	7.469	7.920	7.421	8.005	7.525	7.528	7.345	7.291	7.352	7.514	7.101	7.072	7.160	7.691	7.558	7.347	7.247	
1425306	at	BC027072	BC027072	Mm.134151	17	6.009	5.784	6.103	6.040	6.084	6.152	6.169	5.871	6.143	5.841	6.114	5.815	5.996	6.062	6.114	6.031	5.923	6.077	6.255	6.149	5.968	5.858	6.079	6.025	
1425307	at	Onahc1	BC023155	Mm.101811	14	6.837	6.573	6.876	6.761	6.563	6.671	6.656	6.988	6.670	6.705	6.935	6.820	6.750	6.768	6.743	6.791	6.879	6.991	6.859	6.928	6.729	6.819	6.912		
1425308	at	Trim31	BC026666	Mm.213417	17	6.756	6.587	6.896	6.794	6.671	6.751	6.715	6.808	6.627	6.639	6.629	6.577	6.584	6.523	6.715	6.682	6.887	7.032	6.788	6.958	6.494	6.756	6.674	6.907	
1425309	at	Catsper2	AF411816	Mm.384318	2	8.151	7.911	8.209	7.932	7.974	8.109	8.094	7.976	7.944	8.112	7.886	8.166	8.066	7.740	7.999	8.381	8.098	8.193	8.061	8.151	7.947	8.062	8.003	8.063	
1425310	a	Emid2	BC002218	Mm.295020	5	6.007	5.549	5.978	5.881	5.834	5.881	5.936	5.740	5.627	5.978	5.885	6.422	5.897	5.629	5.858	5.991	5.506	5.799	5.819	6.023	6.009	5.815	5.872	6.120	
1425311	at	4930432F04Rik	BC016220	Mm.448330	5	7.904	8.014	7.937	8.015	7.874	7.702	7.862	8.030	7.879	7.892	7.842	7.992	8.006	7.830	7.828	7.975	8.153	8.061	7.815	7.945	8.027	8.027	7.991	7.989	
1425312	s	at	Cpsf4l	BC016190	Mm.229207	11	6.883	6.788	6.949	6.865	6.962	6.824	6.968	7.066	7.073	6.620	6.940	6.969	6.845	6.841	6.890	6.888	6.986	6.917	7.020	6.981	6.927	6.971	6.688	6.919
1425313	at	Carf	AF454947	Mm.370325	1	4.577	4.626	4.312	4.428	4.509	4.533	4.671	4.589	4.493	4.467	4.545	4.505	4.564	4.471	4.646	4.251	4.191	4.288	4.685	4.508	4.543	4.377	4.298	4.415	
1425314	at	Gpr98	AF435926	Mm.288694	13	6.516	5.898	6.531	6.358	6.274	6.427	6.254	6.234	6.259	6.164	6.379	6.322	6.334	6.316	6.350	6.398	6.360	6.421	6.409	6.537	6.208	6.212	6.052	6.299	
1425315	at	Dock7	BC006868	Mm.260623	4	4.160	4.856	4.145	4.234	4.652	4.474	4.279	4.247	4.812	4.690	4.401	4.487	4.676	4.769	4.621	4.253	3.868	4.117	4.348	4.247	4.277	4.468	3.944	3.877	
1425316	at	B3gat1	BC023052	Mm.218788	9	7.354	6.913	7.339	7.330	7.156	7.322	7.317	7.392	7.211	7.124	7.251	7.054	7.236	7.219	7.300	7.319	7.318	7.249	7.494	7.449	7.358	7.281	7.225	7.220	
1425317	x	at	Stk31	AF285580	Mm.128054	6	4.219	3.974	3.858	4.252	4.128	3.924	4.023	3.917	4.197	4.148	4.029	3.998	3.962	4.001	4.217	3.980	4.014	3.958	3.994	4.024	4.282	4.273	3.964	4.347
1425318	a	Tmem116	BC019151	Mm.358781	5	7.727	7.409	7.579	7.449	7.426	7.657	7.856	7.517	6.832	7.045	7.719	7.639	7.358	7.072	7.310	7.548	7.876	7.851	8.001	7.739	7.869	7.832	7.294	7.487	
1425319	s	at	6530403A03Rik	BC021443	Mm.250783	13	9.001	8.966	8.884	9.014	8.949	8.477	8.524	9.147	9.173	9.127	8.899	9.389	9.106	8.441	9.021	8.711	9.432	8.960	8.855	8.642	9.422	9.866	9.123	9.183
1425320	at	A83002312Rik	BC007165	Mm.442122	5	6.562	6.491	6.334	6.667	6.457	6.530	6.721	6.430	6.431	6.340	6.378	6.515	6.411	6.379	6.251	6.491	6.402	6.623	6.393	6.524	4.644	6.639	6.428	6.435	
1425321	a	at	OTTMU5G000000	AB024521	Mm.480078	12	4.804	4.708	4.486	4.774	4.863	4.714	4.843	4.711	4.843	5.147	4.879	4.708	4.843	5.147	4.879	4.708	4.843	5.147	4.879	4.708	4.843	5.147	4.879	
1425322	at	Fam1173a	BC008155	Mm.26783	17	10.132	10.323	10.252	10.328	10.200	10.329	10.132	10.029	10.104	10.099	9.809	10.312	10.164	10.081	10.205	10.204	10.328	10.435	10.348	10.286	10.282	10.151	10.028	10.046	
1425324	x	at	Igh-6	AF466769	Mm.304472	12	6.026	5.620	5.845	5.795	5.626	5.441	5.763	5.615	5.555	5.401	5.595	5.685	5.439	5.562	5.736	5.822	5.476	5.677	5.659	5.693	6.121	5.831	5.981	5.723
1425325	at	Ms4a4b	AF354929	Mm.33957	19	4.522	4.366	4.307	4.467	4.127	4.462	4.330	4.386	4.380	4.301	4.266	4.307	4.581	4.279	4.244	4.502	4.448	4.351	4.218	4.380	4.369	4.328	4.386	4.454	
1425326	at	Acv1	BI456232	Mm.282039	11	7.622	7.883	7.796	7.723	7.522	7.983	7.563	7.277	7.518	7.718	7.733	7.410	7.579	8.141	7.789	7.830	7.279	7.323	7.805	7.981	7.323	7.273	7.768	7.590	
1425327	at	BC008163	AU067643	Mm.11473	4	10.003	9.892	9.794	10.017	10.040	9.944	9.845	10.239	10.051	10.014	9.787	9.952	10.199	9.923	10.028	9.771	10.161	10.088	9.803	9.941	10.291	9.847	9.976	9.803	
1425328	at	BC008163	AU067643	Mm.11473	4	10.195	10.041	9.913	10.248	10.286	10.132	10.167	10.239	9.921	10.129	9.891	10.366	10.085	9.904	10.130	10.027	10.162	10.065	9.757	9.955	10.414	10.555	10.187	10.221	
1425329	at	Ppm1b	AJ271836	Mm.246965	17	8.330	8.222	7.931	8.995	8.251	8.929	7.939	7.834	8.525	8.786	8.275	8.361	8.973	8.404	8.955	7.951	7.933	7.900	7.623	7.853	7.823	7.643	7.785	7.761	
1425330	a	at	Zfp106	BI452653	Mm.295877	17	8.827	9.082	9.150	8.937	9.008	9.086	9.092	8.987	8.965	9.394	9.229	9.390	9.249	9.086	9.406	9.289	8.591	8.996	9.343	9.207	8.810	8.615	9.024	9.580
1425331	at	Ppm1b	BI452653	Mm.295877	2	9.930	9.849	10.061	9.874	9.945	9.813	9.938	10.008	9.662	10.020	10.041	9.737	9.567	9.887	9.845	10.047	9.561	9.707	9.756	9.667	9.629	9.653	9.808	10.255	
1425332	at	Zfp106	BI452653	Mm.295877	2	13.338	12.869	13.404	13.457	13.071	13.357	13.345	13.127	12.510	12.900	12.950	12.961	12.745	12.763	12.932	13.425	13.075	13.147	13.159	13.262	12.924	13.169	13.111	13.343	
1425333	at	Rab43	BC010248	Mm.37380	6	8.601	8.901	8.565	8.670	8.946	8.621	8.718	8.884	9.007	8.880	8.745	8.884	9.083	8.786	8.734	8.605	8.823	8.787	8.656	8.626	8.665	8.783	8.455	8.612	
1425334	at	Gorasp1	AV094567	Mm.104789	9	7.854	7.591	7.546	7.751	7.826	7.651	7.682	7.649	7.744	7.558	7.523	7.880	7.757	7.688	7.624	7.665	7.982	7.922	7.747	7.734	8.025	7.749	7.732	7.771	
1425335	at	Cd8a	M12825	Mm.1858	6	6.092	5.747	5.996	5.955	5.899	5.887	6.063	6.050	5.796	5.858	6.006	5.824	5.885	5.835	5.879	5.975	6.013	5.947	5.935	5.994	6.019	5.970	6.005	5.972	
1425336	x	at	H2k1306	BC011306	17	12.872	12.337	12.364	12.777	12.177																				

1425384	a	at	Ube4a	BC006649	Mm.215069	9	7.129	7.081	7.126	7.184	7.061	7.086	7.140	6.920	6.893	7.235	6.932	6.992	6.974	6.922	6.983	7.333	6.884	7.044	7.093	7.195	7.060	6.983	6.995	7.151
1425385	a	at	lqh-6	BC018365	Mm.304472	12	5.525	5.728	5.601	5.881	5.514	5.665	5.626	5.700	5.569	5.521	5.564	5.719	5.763	5.675	5.554	5.487	5.545	5.892	5.812	5.858	6.078	5.948	5.524	5.668
1425386	at		4833422F24Rik	BC020160	Mm.72179	2	5.992	5.639	5.812	5.836	5.730	5.789	5.720	5.760	5.783	5.686	5.979	5.670	5.995	5.740	5.522	5.779	5.777	5.791	5.857	5.896	5.742	5.788	5.900	5.667
1425387	at		Akr1c20	BC021607	Mm.37605	13	5.577	5.286	5.394	5.537	5.378	5.372	5.467	5.386	5.363	5.349	5.423	5.411	5.299	5.447	5.419	5.522	5.445	5.428	5.322	5.661	5.552	5.477	5.500	5.410
1425388	a	at	Tp1	BC023854	Mm.320939	6	7.883	7.578	7.762	7.761	7.954	7.823	7.986	7.743	7.688	7.718	7.877	7.538	7.823	8.006	7.887	7.751	7.803	7.047	7.925	8.061	7.878	7.673	7.815	7.672
1425389	at		Runx2	D14637	Mm.391103	17	5.492	5.479	5.60	5.512	5.544	5.511	5.478	5.613	5.539	5.592	5.519	5.373	5.317	5.445	5.496	5.433	5.513	5.396	5.517	5.742	5.548	5.532	5.520	5.620
1425390	at		Ada1	BC019976	Mm.282162	8	5.662	5.578	5.952	5.794	5.825	5.906	5.857	5.613	5.622	5.556	5.878	5.647	5.712	5.742	5.439	5.884	5.390	5.637	5.708	6.047	5.771	5.677	5.861	5.947
1425391	a	at	Ospbl5	AB074008	Mm.21199	7	8.675	9.602	8.627	8.742	9.180	8.779	8.318	8.995	9.655	9.427	9.018	9.486	9.470	9.084	8.938	8.644	8.929	8.919	8.787	8.456	8.855	8.729	8.426	8.634
1425392	a	at	Nr1r3	AF009328	Mm.3077	1	6.736	6.102	6.549	6.582	6.395	6.474	6.641	6.496	6.423	6.172	6.407	6.374	6.515	6.336	6.537	6.687	6.551	6.468	6.488	6.667	6.518	6.494	6.665	6.420
1425393	a	at	Map2k7	U74463	Mm.3906	8	5.910	5.734	5.839	5.872	5.818	5.798	5.903	5.662	5.716	5.630	5.501	5.645	5.786	5.740	5.774	5.961	5.766	5.840	5.773	5.962	5.638	5.679	5.928	5.971
1425394	at		BC023105	BC023105	Mm.329462	18	8.415	8.156	8.585	8.891	8.020	8.422	14.345	7.538	7.102	7.639	7.132	7.441	7.736	7.522	8.113	8.498	8.888	8.616	8.887	8.452	8.975	8.830	8.392	8.010
1425395	at		Adam26a	AF167404	Mm.334510	8	4.910	4.802	4.980	4.999	4.871	4.930	4.941	4.776	5.322	4.621	4.897	4.801	4.750	5.074	4.948	4.923	5.003	4.928	4.945	5.154	5.048	4.961	4.647	4.902
1425396	a	at	Lck	BC011474	Mm.293753	4	6.697	6.578	6.516	6.624	6.422	6.406	6.699	6.514	6.741	6.361	6.748	6.407	6.470	6.607	6.397	6.673	6.388	6.516	6.574	6.556	6.649	6.364	6.481	6.592
1425397	at		ENSUSUG000000	BC006942	Mm.445078	7	7.662	7.319	7.390	7.602	7.415	7.461	7.587	7.436	7.536	7.499	7.444	7.329	7.499	7.569	7.636	7.594	7.604	7.489	7.584	7.815	7.535	7.710	5.742	7.491
1425398	at		LOC656622	BC011440	Mm.471247	13	5.344	5.159	5.378	5.198	5.420	5.370	5.398	5.475	5.457	5.371	5.601	5.255	5.667	5.511	5.532	5.630	5.381	5.215	5.309	5.641	5.358	5.325	5.323	5.183
1425399	at		Flvcr1	BC010797	Mm.134053	1	6.684	6.671	6.711	6.634	6.689	6.654	6.684	6.794	6.716	6.645	6.618	6.588	6.524	6.658	6.611	6.556	6.783	6.578	6.698	6.716	6.703	6.712	6.681	6.663
1425400	a	at	Cited4	BC025116	Mm.272646	4	8.358	9.639	8.480	8.638	8.520	8.559	8.790	8.677	8.749	8.441	7.595	9.065	8.342	8.077	7.876	8.428	8.901	9.035	8.453	8.223	8.772	8.814	7.568	7.630
1425401	at		Cpsf4l	BC004603	Mm.229207	11	5.849	5.825	5.739	5.782	5.770	5.585	5.696	6.088	5.665	5.763	5.868	5.810	5.572	5.801	5.686	5.871	5.816	5.935	5.789	5.886	5.893	5.815	5.723	5.944
1425402	at		Thop1	BC003211	Mm.26995	10	7.895	7.533	7.846	7.835	7.610	7.597	7.798	7.614	7.605	7.438	6.757	7.605	7.591	7.444	7.755	7.957	7.749	7.716	7.819	7.907	7.838	7.688	7.850	7.904
1425403	at		Dnm3	BC024584	Mm.441620	1	6.962	6.646	6.899	6.719	6.764	6.706	6.630	6.914	6.866	6.703	6.802	6.867	7.096	6.767	6.762	6.774	6.923	6.805	6.815	6.848	6.883	6.634	6.610	6.840
1425404	a	at	Tmem110	BC024583	Mm.143025	14	6.746	7.405	6.677	6.980	6.911	6.787	6.879	7.011	7.382	7.363	6.952	7.062	7.131	7.398	6.964	6.643	6.988	6.951	6.709	6.857	6.667	6.770	6.649	6.578
1425405	a	at	Adar	AF291876	Mm.316628	3	7.267	7.581	7.115	7.332	7.240	7.290	7.624	7.547	7.498	7.366	7.444	7.298	7.535	7.612	7.403	7.199	7.195	7.155	7.231	7.268	7.343	7.095	7.327	7.087
1425406	at		Clec4a	BC006623	Mm.47384	6	6.962	6.637	6.710	6.704	6.297	6.444	6.815	6.751	6.632	6.537	6.662	6.430	6.662	6.720	6.658	6.734	6.626	6.508	6.625	6.495	6.762	6.644	6.565	6.624
1425407	s	at	Clec4a2	BC006623	Mm.47384	6	7.339	8.646	7.167	7.358	7.407	7.543	7.602	7.650	8.951	8.264	7.147	7.581	7.743	7.726	7.514	7.165	7.172	7.209	7.045	7.042	1.718	1.766	6.834	6.954
1425408	a	at	2610034M16Rik	BC024774	Mm.246732	17	4.062	4.194	4.245	4.265	4.291	4.058	4.253	4.361	4.170	4.240	4.111	4.229	4.384	4.129	4.117	4.311	4.176	4.346	4.224	4.208	4.138	4.437	4.332	4.255
1425409	at		Chrna2	BC011490	Mm.57350	14	6.875	6.642	6.776	6.953	6.923	7.011	7.108	6.932	6.950	6.778	6.886	6.843	6.905	7.025	6.949	6.939	7.355	7.263	7.415	7.635	7.004	7.315	7.284	7.139
1425410	at		Tp1kb	Mm.228744	Mm.228744	6	6.807	6.507	6.582	6.593	6.588	6.587	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507	6.345	6.507
1425411	at		Ar1a	BC003725	Mm.12720	12	6.084	6.554	6.710	6.928	6.396	6.759	6.487	6.586	6.342	6.582	6.639	6.670	6.720	6.640	6.555	6.698	6.429	6.993	6.813	6.647	5.854	5.854	5.854	5.854
1425412	at		Nlrp3	AF486632	Mm.54174	11	8.188	8.094	8.219	8.230	8.069	8.192	8.163	8.130	8.208	8.086	8.280	7.962	8.216	8.242	8.173	8.201	8.175	8.177	8.232	8.296	8.113	8.110	8.190	8.187
1425413	at		Rfx3	BC017598	Mm.131321	19	6.290	6.122	6.417	6.340	6.291	6.439	6.296	6.170	6.376	6.228	6.532	6.356	6.233	6.255	6.217	6.273	6.336	6.315	6.209	6.617	6.343	6.240	6.354	6.528
1425414	at		Ppp1r16b	AF423761	Mm.150540	2	6.724	6.607	6.502	6.653	6.640	6.559	6.470	6.745	6.457	6.474	6.586	6.523	6.657	6.767	6.422	6.516	6.637	6.573	6.612	6.626	6.634	6.489	6.711	6.579
1425415	a	at	Slc1a1	U75214	Mm.246670	19	5.495	5.197	5.534	5.401	5.347	5.308	5.384	4.861	5.217	5.180	5.378	5.248	5.638	5.342	5.309	5.504	5.309	5.278	5.517	5.517	5.558	5.455	5.822	5.910
1425416	s	at	Psrc1	BC008994	Mm.389499	3	7.374	7.429	7.435	7.563	7.616	7.349	7.654	7.689	7.823	7.510	7.639	7.503	7.744	7.532	7.587	7.545	7.516	7.514	7.380	7.494	7.383	7.378	7.399	7.225
1425417	x	at	Klra8	U12889	Mm.439698	6	4.122	4.035	3.943	3.961	3.882	3.929	4.048	4.041	4.025	3.977	4.059	4.039	3.953	4.046	3.791	3.988	3.922	3.938	4.138	4.102	4.102	4.091	4.121	4.474
1425418	a	at	Wf1	BC011834	Mm.218273	3	7.057	6.560	6.998	6.998	6.992	6.507	6.906	6.932	6.928	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932	6.932
1425419	a	at	Raf1	AB057663	Mm.184163	6	10.311	10.157	10.478	10.491	10.333	10.379	10.393	9.800	9.957	10.207	10.102	10.250	10.093	10.200	10.408	10.520	10.309	10.607	10.606	10.696	10.338	10.147	10.428	10.811
1425420	s	at	Lats2	AY015061	Mm.347899	14	6.015	6.112	5.957	5.702	5.956	5.676	5.970	6.161	6.381	5.791	5.662	5.950	5.982	6.023	5.731	5.661	5.964	6.070	5.830	5.802	6.027	6.142	5.903	5.559
1425421	at		LOC100134980	BC016578	Mm.442373	7	6.600	6.713	6.378	6.594	6.674	6.640	6.459	5.884	6.515	6.435	6.424	6.658	6.440	6.266	6.430	6.623	6.689	6.586	6.723	6.476	6.767	6.526	6.775	6.531
1425422	a	at	Parrn	BC021899	Mm.182350	16	8.157	8.279	7.965	8.054	8.193	8.120	7.994	8.146	8.246	8.102	7.871	8.152	8.122	8.117	7.996	7.982	8.107	8.159	8.106	7.987	8.103	8.140	7.795	7.939
1425423	at		Gli3	AF220434	Mm.331757	4	8.327	8.135	8.257	8.286	8.203	8.218	8.013	8.179	8.166	8.092	8.189	8.091	8.139	8.352	8.224	8.108	8.143	8.066	8.254	8.264	8.161	8.237	8.116	8.218
1425424	at		MGCT817																											

1425473	at	Med17	BC020185	Mm.44151	9	8.893	9.079	8.786	9.129	9.009	9.001	8.842	9.358	9.166	9.139	8.920	9.032	9.140	9.098	8.950	8.848	9.205	9.166	9.044	8.894	9.003	9.347	8.745	8.920	
1425474	a	Vsp39	BC007479	Mm.246131	2	7.103	7.353	7.256	7.328	7.189	7.353	7.147	7.379	7.359	7.645	7.400	7.352	7.280	7.461	7.280	7.281	7.463	7.477	7.599	7.616	7.124	7.193	7.181	7.090	
1425475	at	Col4a5	BM250666	Mm.286892	X	8.465	8.869	8.206	8.490	9.137	8.609	8.449	8.764	9.298	9.269	8.814	9.408	9.334	8.819	8.835	8.366	8.639	8.350	8.428	8.492	8.570	8.422	8.550	8.513	
1425476	at	Col4a5	BM286892	Mm.286892		9.447	10.151	9.393	9.322	10.442	9.763	9.799	9.885	10.494	10.795	9.759	10.647	10.558	10.076	10.362	9.461	9.508	9.419	9.640	9.367	9.665	9.669	9.789	9.750	
1425477	x	H2-Ab1	M25807	Mm.25807	17	7.170	7.574	7.778	7.159	7.870	7.468	8.131	8.810	7.634	7.718	7.374	7.866	7.989	8.015	7.686	6.705	6.953	7.123	7.051	7.380	7.514	7.238	7.264	7.060	
1425478	at	Ube2i	U76416	Mm.240044	17	6.668	6.539	6.466	6.553	6.472	6.566	6.546	6.514	6.340	6.343	6.398	6.386	6.519	6.566	6.469	6.365	6.529	6.390	6.576	6.465	6.259	6.427	6.326		
1425479	at	SmYd5	BF160651	Mm.219946	6	7.069	7.433	7.098	7.365	7.302	7.155	7.222	7.219	7.302	7.169	7.398	7.165	7.277	7.443	7.145	7.205	7.164	7.363	7.362	7.416	7.307	7.055	7.276	7.445	
1425480	at	Cnot6f	BC018506	Mm.28374	5	10.863	10.669	10.901	10.790	10.783	10.850	10.721	10.808	10.637	10.786	10.711	10.840	10.898	10.826	11.009	10.849	10.932	10.770	10.869	10.940	10.785	10.919	10.898	10.775	
1425481	at	Cnot6f	BC018506	Mm.28374	5	8.406	8.209	8.039	8.061	8.035	8.105	8.119	8.164	7.754	8.281	8.035	8.166	8.135	8.014	8.266	8.070	7.945	7.752	7.794	7.728	8.195	8.411	8.419	8.115	
1425482	s	Ankmy2	BC024959	Mm.130422	12	8.614	8.797	8.831	8.797	8.822	9.013	8.905	8.739	8.712	8.845	8.335	8.948	8.843	8.659	8.777	8.838	8.787	8.921	9.213	9.025	8.721	8.874	8.784	8.597	
1425483	at	Tox	BB547854	Mm.475139	4	5.825	5.423	6.084	5.903	5.657	6.017	5.847	5.771	5.733	5.701	5.843	5.631	5.525	5.685	5.887	5.843	5.889	5.913	6.125	5.908	5.730	5.583	5.992	6.030	
1425484	at	Tox	BB547854	Mm.475139	4	5.156	4.866	5.316	5.071	5.055	5.158	5.191	4.963	4.693	4.978	4.935	4.958	4.930	4.803	5.048	5.107	5.017	5.518	5.379	5.723	5.298	5.258	5.356	5.299	
1425485	at	Mtmr6	BC020019	Mm.247007	14	9.301	9.747	9.476	9.575	9.733	9.571	9.542	9.013	9.839	10.037	9.399	9.745	9.550	9.948	9.802	9.630	8.837	9.192	9.470	9.280	9.195	9.006	9.576	9.690	
1425486	s	Mtmr6	BC020019	Mm.247007	14	10.362	10.920	10.502	10.467	10.754	10.607	10.498	10.461	11.061	11.166	10.621	10.896	10.751	11.009	10.867	10.867	10.480	10.119	10.248	10.415	10.175	10.229	10.335	10.299	10.615
1425487	at	Slu7	BC025870	Mm.28200	11	5.777	5.649	5.995	5.837	5.684	5.939	5.894	5.440	5.425	5.591	5.472	5.554	5.656	5.544	5.845	6.003	5.624	5.627	5.906	5.960	5.942	5.534	5.882	5.989	
1425488	at	Slu7	BC025870	Mm.28200	11	8.571	8.548	8.703	8.580	8.591	8.681	8.574	8.442	8.426	8.581	8.196	8.666	8.315	8.465	8.528	8.725	8.609	8.703	8.598	8.522	8.431	8.673	8.523	8.561	
1425489	at	Slu7	BC025870	Mm.28200	11	7.607	7.401	7.501	7.532	7.536	7.691	7.639	7.726	7.476	7.498	7.028	7.534	7.486	7.532	7.656	7.765	7.669	7.865	7.871	7.815	7.615	7.724	7.590	7.692	
1425490	a	Wdr13	AK017549	Mm.284162	X	6.018	6.206	6.084	6.090	6.069	6.171	6.116	6.182	6.217	6.117	6.251	6.141	6.160	6.314	6.168	6.001	6.093	6.117	6.128	6.095	6.061	6.091	6.335	6.135	
1425491	at	Bmp1r1a	BM939768	Mm.237825	14	8.543	8.377	8.411	8.395	8.352	8.659	8.548	7.986	8.357	8.651	8.443	8.254	8.253	8.707	8.557	8.396	7.808	8.127	8.606	8.533	8.178	7.925	8.484	8.868	
1425492	at	Bmp1r1a	BM939768	Mm.237825	14	10.654	10.683	10.515	10.391	10.697	10.857	10.778	10.938	10.629	10.939	10.815	10.921	10.991	10.822	10.931	10.683	11.032	10.840	10.998	10.929	10.900	11.102	10.579	11.127	
1425493	at	Bmp1r1a	BM939768	Mm.237825	14	9.330	9.429	9.329	9.038	9.210	9.542	9.526	9.103	9.243	9.458	9.445	9.172	9.273	9.479	9.610	9.406	9.196	9.325	9.446	9.432	9.349	9.383	9.411	9.948	
1425494	s	Bmp1r1a	BM939768	Mm.237825	14	9.827	9.781	9.690	9.496	9.661	9.927	9.805	9.727	9.821	10.061	9.878	9.703	9.873	9.969	9.898	9.634	9.761	9.802	9.848	9.801	9.852	9.984	9.875	10.143	
1425495	at	Zfp62	BC022935	Mm.16650	11	7.357	7.185	7.573	7.321	7.067	6.987	7.537	7.514	6.915	7.376	6.900	7.570	6.763	7.138	7.289	7.391	7.473	7.202	6.933	7.103	7.414	7.746	7.469	7.447	
1425496	at	Abca3	AK007703	Mm.475679	17	7.058	7.459	7.204	7.176	7.491	7.187	6.936	7.018	7.366	7.503	7.110	7.072	7.307	7.452	7.295	7.123	6.866	7.199	7.432	7.401	6.869	6.847	7.263	7.415	
1425497	a	Prpf4b	U48737	Mm.10027	13	7.809	7.952	7.819	7.680	7.717	7.739	7.656	7.528	7.689	7.792	7.515	7.642	7.544	7.695	7.711	7.965	7.320	7.264	7.504	7.725	7.280	7.585	7.809	8.019	
1425498	at	Prpf4b	U48737	Mm.10027	13	8.841	8.917	8.992	8.840	8.527	8.854	8.767	7.738	8.532	8.716	8.773	8.650	8.579	8.924	8.838	8.991	8.307	8.291	8.458	8.397	8.522	8.617	8.845	9.013	
1425499	at	NA	BC003207	NA	NA	4.124	4.476	4.416	4.402	4.082	4.192	4.277	4.328	4.145	4.228	4.148	4.328	4.148	4.328	4.148	4.328	4.148	4.328	4.148	4.328	4.148	4.328	4.148	4.328	
1425500	x	NA	BC003207	NA	NA	5.055	5.076	5.159	5.235	5.174	5.052	5.302	5.314	5.055	5.090	5.082	5.115	5.282	5.196	5.302	5.011	5.348	5.170	5.255	5.170	5.255	5.170	5.255	5.170	
1425501	at	NA	BC003207	NA	NA	5.586	5.161	5.664	5.094	5.528	5.644	5.485	5.467	5.069	5.278	5.886	5.411	5.199	5.508	5.403	5.550	5.545	5.655	5.383	5.934	5.258	5.476	5.752	5.728	
1425502	x	NA	BC003207	NA	NA	5.096	4.743	4.990	4.941	4.919	4.922	4.945	4.706	4.844	4.896	5.118	4.771	4.806	4.924	4.668	5.049	4.924	4.844	4.969	5.031	4.836	4.901	4.900	5.050	
1425503	at	Gcnt2	AB037596	Mm.314757	13	8.388	8.093	8.114	7.956	8.304	7.960	7.539	7.922	6.883	8.652	8.526	8.070	8.251	8.387	8.110	8.162	6.929	7.260	7.447	7.050	7.368	7.530	7.906	7.781	
1425504	at	Mylk	BF451748	Mm.33360	16	9.737	6.454	6.380	6.550	6.535	6.460	6.522	6.729	6.638	6.458	6.727	6.366	6.626	6.596	6.526	6.509	6.497	6.537	6.517	6.634	6.554	6.573	6.763	6.507	
1425505	at	Mylk	BF451748	Mm.33360	16	9.151	9.232	9.233	9.234	9.001	9.508	8.969	9.406	9.344	9.277	9.106	9.039	9.294	9.347	9.032	9.201	9.352	9.137	9.048	8.786	9.205	9.582	9.302	9.203	
1425506	at	Mylk	BF451748	Mm.33360	16	10.671	10.615	10.851	10.794	10.600	11.094	10.706	10.381	10.861	10.933	10.717	10.444	10.719	11.034	10.592	10.801	10.238	10.910	10.703	10.401	10.425	10.475	11.173	10.990	
1425507	at	Arfp1	BM213279	Mm.7445	2	10.509	10.602	10.581	10.950	10.696	10.768	10.738	10.766	10.366	10.393	10.553	10.345	10.359	10.526	10.642	10.475	10.628	10.745	10.705	10.628	10.745	10.705	10.628	10.745	
1425508	s	Arfp1	BG695431	Mm.87720	2	9.963	9.933	10.030	10.386	9.897	10.167	10.109	9.774	9.594	9.711	9.778	9.887	9.712	9.674	9.941	10.103	10.254	10.262	10.196	10.293	10.172	10.204	10.192	10.298	
1425509	at	Mark1	BM213279	Mm.7445	1	6.469	6.175	6.351	6.323	6.457	6.471	6.341	6.344	6.016	6.370	6.427	6.384	6.462	6.417	6.433	6.335	6.242	6.292	6.359	6.442	6.201	6.076	6.412	6.394	
1425510	at	Mark1	BM213279	Mm.7445	1	5.403	5.002	5.581	5.431	5.334	5.494	5.652	5.184	5.009	5.269	5.170	5.099	5.235	5.095	5.236	5.525	5.124	5.194	5.428	5.509	5.104	5.035	5.515	5.479	
1425511	at	Mark1	BM213279	Mm.7445	1	7.860	7.846	7.839	7.982	7.965	7.636	7.762	8.361	7.914	7.894	7.927	7.919	7.801	7.673	7.808	7.883	7.928	7.761	7.691	7.699	7.910	7.801	7.964	7.843	
1425512	at	Map2k7	AW541674	Mm.3906	8	9.084	8.894	8.945	8.899	8.825	8.817	8.968	8.945	8.705	8.882	8.933	8.941	8.790	8.801	8.867	8.907	8.998	8.900	8.856	8.884	8.992	8.898	8.978	8.960	
1425513	at	Map2k7	AW541674	Mm.3906	8	8.126	8.139	7.990	7.995	8.221	7.966	8.021	8.316	7.982	7.789	7.880	8.355	8.1												

1425562	s	at	Trn1	BM225164	Mm.196332	6	8.218	8.462	8.240	8.147	7.812	8.360	8.181	8.134	7.907	8.310	7.855	8.305	7.886	8.170	8.075	8.239	8.033	8.096	8.197	7.909	8.205	8.418	8.226	8.240	
1425563	s	at	Pcdh10	AF334801	Mm.242644	3	5.437	4.922	5.407	5.252	5.223	5.216	5.552	5.220	5.197	4.926	5.138	5.202	5.120	5.095	5.289	5.245	5.201	5.200	5.345	5.297	5.213	5.222	5.297	5.275	
1425564	s	at	Rest	BI153474	Mm.28840	5	5.295	5.162	5.036	4.985	5.184	5.256	5.190	5.409	5.988	5.220	5.338	5.343	5.383	5.081	5.244	5.185	5.253	5.248	5.239	5.175	5.268	5.173	5.275	5.317	
1425565	s	at	Rest	BI153474	Mm.28840	5	8.820	9.531	9.072	9.045	9.247	9.991	8.808	9.318	9.511	9.360	9.258	9.474	9.393	9.074	9.224	8.956	9.255	9.063	9.029	8.959	9.107	9.253	8.178	8.773	
1425566	s	at	Rest	BI153474	Mm.28840	5	6.450	6.365	6.582	6.451	6.439	6.613	6.407	6.329	6.473	6.411	6.685	6.454	6.286	6.539	6.472	6.593	6.280	6.454	6.404	6.641	6.435	6.211	6.358	6.321	
1425567	s	at	Anxa5	D63423	Mm.1820	3	11.613	12.678	11.117	11.687	11.990	11.761	11.617	12.189	12.891	12.784	12.506	12.437	12.493	12.590	12.376	11.813	11.715	11.806	12.082	11.919	11.582	11.300	11.794	11.772	
1425568	s	at	Tmem33	BC005562	Mm.23217	5	9.980	10.611	10.234	10.290	10.168	10.083	10.192	10.119	10.767	10.574	10.748	10.436	10.331	10.857	10.305	10.305	10.011	9.943	10.042	9.789	10.246	10.485	10.421	10.658	
1425569	s	at	Slamf1	BB132695	Mm.103648	1	5.626	5.410	5.493	5.492	5.441	5.536	5.574	5.537	5.253	5.441	5.460	5.310	5.414	5.274	5.334	5.463	5.394	5.490	5.496	5.427	5.503	5.479	5.551	5.588	
1425570	s	at	Slamf1	BB132695	Mm.103648	1	7.295	7.342	7.073	7.289	7.183	7.317	7.274	7.131	7.298	6.980	7.277	7.181	7.168	7.383	7.013	7.328	7.388	7.243	7.312	7.487	7.363	7.216	7.308	7.188	
1425571	s	at	Slamf1	BB132695	Mm.103648	1	5.524	5.477	5.500	5.602	5.538	5.385	5.552	5.481	5.531	5.485	5.549	5.440	5.486	5.515	5.619	5.551	5.600	5.509	5.496	5.576	5.692	5.553	5.743	5.429	
1425572	s	at	Ddef1	BE943736	Mm.277236	15	8.941	9.989	8.809	8.872	9.109	8.896	8.728	8.834	9.123	9.278	9.044	8.964	9.051	9.006	8.929	8.834	8.643	8.679	8.694	8.546	8.835	8.762	8.852	8.834	
1425573	s	at	Ddef1	BE943736	Mm.277236	15	6.972	7.025	6.679	6.863	6.885	6.887	6.724	7.099	7.163	6.760	6.912	6.966	6.967	6.796	6.728	6.693	7.200	7.081	6.777	6.909	7.169	7.161	6.968	6.688	
1425574	s	at	Epha3	M68513	Mm.1977	16	4.515	4.264	4.289	4.357	4.209	4.184	4.349	4.321	4.257	4.412	4.264	4.316	4.336	4.330	4.251	4.314	4.436	4.276	4.372	4.377	4.422	4.161	4.619	4.347	
1425575	s	at	Epha3	M68513	Mm.1977	16	3.947	3.897	4.031	4.030	4.066	4.307	4.044	3.951	4.743	4.105	3.972	4.081	4.563	3.881	4.171	3.945	4.025	4.383	3.826	4.115	3.882	3.879	3.990	3.961	
1425576	s	at	Ahcy1	BC018218	Mm.220328	3	8.226	8.474	8.699	8.433	8.297	8.684	8.436	7.666	7.812	8.400	8.280	8.104	8.033	8.465	8.526	8.856	7.695	8.063	8.458	8.538	7.808	7.504	8.801	8.886	
1425577	s	at	Zmyv5	BC023007	Mm.297636	14	9.457	9.226	9.525	9.345	9.152	9.455	9.244	9.311	9.150	9.427	9.090	9.452	9.410	9.034	9.541	9.449	9.374	9.335	9.240	9.322	9.457	9.804	9.729	9.631	
1425578	s	at	Gfra2	BI134771	Mm.32619	14	5.198	5.049	5.021	5.279	5.219	4.862	4.913	5.409	5.227	5.213	5.335	5.163	5.329	5.206	5.091	5.015	5.182	5.181	5.085	5.119	5.202	5.383	4.984	5.253	
1425579	s	at	Gfra2	BI134771	Mm.32619	14	7.589	7.303	7.449	7.483	7.511	7.509	7.730	7.528	7.392	7.718	7.473	7.428	7.426	7.493	7.654	7.584	7.704	7.644	7.683	7.700	7.542	7.465	7.769	7.649	
1425580	s	at	Pik3c3	BC024675	Mm.194127	18	7.956	7.919	8.208	8.272	8.176	8.163	7.936	7.627	7.806	7.962	7.375	8.091	8.012	7.844	8.124	8.093	8.165	8.190	8.370	8.346	8.218	8.123	8.140	8.213	
1425581	s	at	Galn17	AF349573	Mm.62886	8	6.042	6.160	5.843	6.095	6.022	5.934	6.046	5.935	5.851	6.177	5.991	5.921	6.140	6.019	6.000	6.059	5.833	5.862	6.064	6.204	5.753	5.367	5.761	5.901	
1425582	s	at	Ecmn	AB034693	Mm.27343	3	8.649	8.680	8.729	8.857	8.811	8.957	8.804	9.028	8.769	8.791	8.967	9.055	9.130	9.015	8.860	8.746	9.066	8.893	8.858	8.971	8.801	8.801	8.374	8.529	
1425583	s	at	NA	BC010605	NA	NA	5.638	5.239	5.476	5.283	5.439	5.357	5.668	5.500	5.439	5.481	5.685	5.498	5.725	5.439	5.462	5.519	5.629	5.528	5.562	5.455	5.984	5.525	5.950		
1425584	s	at	NA	BC010605	NA	NA	6.765	6.430	6.653	6.633	6.685	6.471	6.755	6.447	6.547	6.758	6.602	6.678	6.698	6.530	6.745	6.822	6.518	6.673	6.501	6.661	6.716	7.164	6.633	7.240	
1425585	s	at	Med12	AF071310	Mm.20873	X	8.840	9.049	8.908	9.026	9.221	8.896	8.782	8.858	9.074	9.177	9.019	9.129	9.178	9.029	9.024	8.898	9.150	9.143	8.975	8.800	8.932	8.855	9.006	9.068	
1425586	s	at	Mlh9	BC006900	Mm.105208	1	6.125	5.883	5.944	5.998	5.948	5.898	6.046	5.934	5.900	5.690	5.996	5.848	6.142	6.033	6.040	6.075	6.017	6.038	6.210	6.065	6.170	5.928	6.073	6.026	
1425587	s	at	Ptdr1	BI155210	Mm.330393	2	4.531	4.139	4.047	4.276	4.262	4.242	4.118	4.283	4.063	4.209	4.347	4.231	4.282	4.202	4.046	4.012	4.012	3.894	3.960	4.178	4.485	4.102	4.206	4.161	
1425588	s	at	NA	Mm.330393	Mm.330393	2	6.139	6.381	6.216	6.272	6.384	6.311	6.228	6.528	6.285	6.394	6.249	6.266	6.352	6.272	6.366	6.572	6.377	6.452	6.358	6.304	6.239	6.358	6.321	6.321	
1425589	s	at	Hsd17b13	BC019427	Mm.29494	5	4.430	6.026	6.026	6.349	6.286	6.111	6.187	6.287	6.090	6.382	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	6.383	
1425590	s	at	Ailp1	AF296412	Mm.95707	11	5.931	5.835	5.413	5.507	5.650	5.575	5.732	5.870	5.705	5.524	5.771	5.530	5.607	5.636	5.595	5.555	5.638	5.307	5.680	5.631	5.809	5.624	5.375	5.760	
1425591	s	at	Chmp2a	BC012230	Mm.295670	7	10.442	10.738	10.302	10.392	10.575	10.342	10.308	11.010	10.809	10.496	10.558	10.612	10.515	10.374	10.297	10.315	11.118	10.739	10.443	10.289	10.807	11.034	10.158	10.163	
1425592	s	at	Tnpo2	BI658203	Mm.220357	8	6.890	7.184	6.578	6.867	6.912	6.874	7.149	6.868	7.290	6.933	6.942	6.965	6.997	7.099	7.055	6.682	6.781	6.856	6.949	6.981	6.645	6.830	6.704	6.866	
1425593	s	at	Tnpo2	BI658203	Mm.220357	8	6.643	6.761	6.624	6.661	6.711	6.849	6.850	6.498	6.785	6.639	6.800	6.742	6.962	6.997	6.679	6.784	6.730	6.611	6.716	6.722	6.710	6.755	6.680	6.795	6.956
1425594	s	at	Lamc3	AV267742	Mm.302362	2	7.192	6.689	6.912	6.958	6.893	6.979	6.950	6.790	6.897	6.796	6.860	6.703	6.874	6.919	6.885	6.903	6.914	6.774	6.948	6.947	7.137	6.704	7.099	7.013	
1425595	s	at	Gabrr1	AF008649	Mm.32191	17	6.673	6.245	6.741	6.727	6.560	6.582	6.725	6.421	6.563	6.541	6.683	6.586	6.616	6.618	6.602	6.594	6.648	6.597	6.622	6.670	6.672	6.671	6.717	6.612	
1425596	s	at	Dh17395	BC011933	Mm.330313	10	5.849	5.369	5.622	5.646	5.625	5.651	5.598	5.645	5.477	5.538	5.503	5.503	5.431	5.528	5.568	5.553	5.568	5.553	5.568	5.553	5.568	5.553	5.568	5.553	
1425597	s	at	Ok	AW060288	Mm.384135	17	10.106	9.817	9.956	10.016	9.163	10.014	9.496	9.755	8.945	9.335	10.301	9.266	9.347	9.773	9.238	10.062	8.972	8.796	8.937	9.126	8.911	8.937	9.278	9.479	
1425598	s	at	Lyn	M64608	Mm.317331	4	8.049	8.516	8.041	8.097	8.236	8.024	7.971	7.981	8.504	8.526	8.616	8.092	8.248	8.767	8.322	8.060	7.850	7.851	8.048	8.223	7.793	7.622	8.187	8.116	
1425599	s	at	Gatad1	BC019449	Mm.178424	5	9.875	10.317	9.862	9.964	10.074	9.964	9.872	9.841	9.985	10.088	9.939	9.983	9.942	9.954	9.939	9.804	9.712	10.016	10.041	10.014	9.917	9.783	9.901	9.990	
1425600	s	at	Picb1	AW049748	Mm.330607	2	7.877	7.861	7.699	8.099	7.975	7.673	7.583	7.924	7.828	7.711	7.884	7.981	7.878	7.954	7.834	7.942	8.031	7.887	7.750	7.739	7.868	7.965	7.901	7.666	
1425601	s	at	Rtkn	BC013820	Mm.4139	6	8.615	8.841	8.526	8.498	8.877	8.488	8.516	8.640	9.034	8.879	8.720	9.241	9.063	8.552	8.572	8.491	8.744	8.793	8.486	8.389	8.479	8.404	8.298	8.335	
1425602	s	at	Rabep2	BC015																											

1425651	at	Nhei1	BC006063	Mm.475896	1	7.359	7.124	7.148	7.304	7.196	7.367	7.338	7.461	7.154	6.940	7.324	7.147	7.336	7.213	7.169	6.933	7.268	7.099	7.377	7.438	7.446	7.329	7.557	7.262
1425652	s at	Rboms	AF148511	Mm.323997	8	8.197	7.880	8.313	8.397	8.006	8.665	7.943	7.614	7.669	8.184	7.326	7.766	7.991	7.881	8.408	8.379	7.753	8.292	8.475	8.439	8.198	7.877	8.315	8.788
1425653	at	Litf1	BC026483	Mm.208714	15	7.493	6.996	7.273	7.268	7.222	7.329	7.370	7.163	7.339	7.130	7.315	7.170	7.425	7.306	7.474	7.404	7.341	7.365	7.316	7.501	7.392	7.163	7.596	7.342
1425654	a at	Am1	AF307845	Mm.33207	15	7.998	8.052	7.990	8.027	8.010	7.941	8.034	7.982	8.118	7.973	8.138	8.066	8.075	8.039	8.048	8.035	8.052	7.965	7.923	7.938	7.907	7.862	8.035	8.171
1425655	at	Kripa16-1	AF345631	Mm.136827	16	4.613	4.430	4.613	4.591	4.553	4.530	4.715	4.477	4.558	4.647	4.702	4.506	4.610	4.471	4.441	4.670	4.674	4.427	4.503	4.841	4.516	4.363	4.537	4.635
1425656	s at	Ba1	AF390178	Mm.195504	11	8.116	8.029	8.001	7.962	8.050	7.967	7.987	8.099	8.383	8.196	8.426	8.121	8.983	7.854	8.017	8.008	8.123	8.028	7.854	7.714	8.018	8.008	7.979	7.994
1425657	at	W00016D06Rik	AY026045	Mm.440041	8	4.660	4.566	4.769	4.539	4.490	4.594	4.714	4.433	4.610	4.470	4.646	4.423	4.688	4.457	4.531	4.572	4.433	4.634	4.606	4.653	4.626	4.583	4.476	4.624
1425658	at	Ccd10r	AY083458	Mm.32955	9	4.732	5.404	5.005	5.097	5.349	4.872	4.905	5.612	5.959	5.860	5.495	5.579	5.692	5.577	5.404	4.866	4.710	4.754	4.941	5.093	4.805	4.970	4.858	4.790
1425659	at	Tom112	BM226574	Mm.218875	11	5.960	5.748	5.925	6.169	5.794	5.835	5.981	5.728	5.753	5.698	5.731	5.934	5.706	5.830	5.677	5.997	6.015	5.681	5.725	6.027	5.821	5.652	5.986	6.118
1425660	at	Btbd3	BC018174	Mm.153405	2	8.269	8.525	8.349	8.499	8.740	8.634	8.157	8.678	8.463	8.307	8.444	8.714	8.640	8.367	8.590	8.453	8.780	8.697	8.430	8.579	8.797	8.809	8.406	8.379
1425661	at	Cdadc1	BC006901	Mm.439850	14	7.764	7.307	7.664	7.696	7.598	7.610	7.661	7.721	7.392	7.742	7.701	7.830	7.569	7.562	7.544	7.526	8.176	7.925	7.719	7.796	7.812	7.952	7.608	7.763
1425662	at	Cdadc1	BC006901	Mm.439850	14	5.085	5.004	4.915	5.149	5.375	5.110	5.111	5.203	5.034	4.746	4.987	5.051	5.198	4.959	4.665	5.006	5.056	5.391	5.236	5.506	5.455	5.543	5.397	4.941
1425663	at	Il1r1	Mm.882	Mm.882	2	7.565	7.425	7.463	7.500	7.375	7.459	7.417	7.315	7.356	7.360	7.669	7.031	7.373	7.476	7.366	7.477	7.294	7.360	7.454	7.368	7.499	7.300	7.494	7.413
1425664	at	KHn20	BC019571	Mm.255165	1	5.305	5.150	5.547	5.384	5.233	5.509	5.376	5.229	5.249	5.064	5.254	4.977	5.318	5.349	5.307	5.548	5.119	5.396	5.260	5.566	5.097	5.092	5.323	5.367
1425665	a at	Srp54c	BC005543	Mm.12848	12	10.708	11.030	10.979	10.685	10.599	10.752	10.657	10.781	10.872	10.949	10.748	10.803	10.593	10.990	10.840	10.891	10.601	10.566	10.684	10.562	10.590	10.756	10.693	10.849
1425666	at	Zic5	AB042155	Mm.390761	14	5.379	5.069	5.307	5.271	5.333	5.053	5.378	5.701	5.207	5.054	5.323	5.277	5.580	5.087	5.307	5.232	5.530	5.394	5.438	5.622	5.611	5.486	5.503	5.345
1425667	at	Acto11	AF416923	Mm.222956	4	6.940	7.022	6.827	7.000	7.027	6.835	6.829	6.945	7.178	7.007	6.914	6.960	6.935	6.925	6.872	6.930	7.092	6.971	6.928	6.850	6.946	7.037	6.808	7.040
1425668	a at	S13qa1	AB061305	Mm.275973	9	7.879	7.867	7.719	7.834	7.764	7.825	7.871	7.760	7.844	7.973	7.665	7.605	7.762	7.693	7.941	7.946	8.134	8.111	8.700	8.388	7.946	7.731	7.963	8.273
1425669	at	MoMk12b	BC020028	Mm.32968	4	5.838	5.858	5.963	5.747	5.734	5.925	5.876	5.824	5.791	5.787	5.932	5.525	5.723	6.014	5.867	5.903	5.762	5.878	6.120	6.004	5.836	5.544	5.830	5.942
1425670	at	Rlxan1	BC010971	Mm.161167	8	6.880	6.899	6.777	6.581	6.561	6.542	6.614	6.595	6.998	6.965	6.596	6.734	6.452	6.679	6.457	6.881	6.608	6.488	6.523	6.575	6.540	6.310	6.479	6.595
1425671	at	Home1	AF093257	Mm.37533	13	4.893	4.850	4.969	5.052	5.024	4.947	4.861	4.941	4.965	4.895	4.567	4.740	4.623	4.989	4.975	4.985	4.849	4.884	4.805	4.895	4.944	5.031	5.155	5.199
1425672	a at	Tpcc2	AF230802	Mm.292904	7	6.463	6.438	6.374	6.555	6.608	6.293	6.387	6.394	6.603	6.401	6.502	6.361	6.515	6.422	6.336	6.338	6.329	6.431	6.439	6.419	6.703	6.418	6.408	6.524
1425673	at	Lpp	BC005613	Mm.209385	16	9.265	9.290	9.412	9.112	9.273	9.238	9.221	9.141	9.404	9.276	9.672	9.094	9.367	9.327	9.315	9.397	8.913	9.000	8.911	9.030	8.893	9.046	8.975	8.915
1425674	a at	Ssu72	BC016544	Mm.294770	4	10.070	10.486	9.913	9.866	10.130	9.826	9.812	10.358	10.548	10.208	10.071	10.170	10.186	10.187	9.887	9.788	10.264	10.160	9.970	9.827	10.125	10.111	9.566	9.694
1425675	s at	Ceacam1	M77196	Mm.322502	7	7.472	7.006	7.540	7.453	7.101	7.462	7.414	7.509	7.015	7.148	7.078	7.278	7.195	7.231	7.331	7.625	7.165	7.395	7.230	7.604	7.725	7.429	7.571	7.314
1425676	a at	Elou1	BC006735	Mm.282096	4	9.601	10.393	9.561	9.521	9.829	9.952	9.489	9.524	10.310	10.286	10.147	9.892	10.099	10.312	9.907	9.508	9.316	9.454	9.685	9.556	9.231	8.995	9.473	9.471
1425677	at	Ank1	BC012904	Mm.251904	8	10.676	10.676	10.990	11.263	11.377	10.982	10.772	11.056	10.487	10.486	9.969	11.001	10.817	10.277	10.313	10.167	10.948	11.200	10.948	11.045	10.948	10.948	10.948	10.948
1425678	at	Elou1	BC020189	Mm.257989	9	11.080	10.676	10.990	11.263	11.377	10.982	10.772	11.056	10.487	10.486	9.969	11.001	10.817	10.277	10.313	10.167	10.948	11.200	10.948	11.045	10.948	10.948	10.948	10.948
1425679	a at	Mapk8ip1	AF109769	Mm.2720	2	6.879	6.496	6.736	6.852	6.688	6.479	6.709	6.667	6.702	6.636	6.736	6.673	6.530	6.677	6.710	6.699	6.723	6.604	6.576	6.668	6.690	6.686	6.809	6.652
1425680	at	Btrc	AF110396	Mm.119717	19	8.525	8.545	8.689	8.554	8.465	8.670	8.456	8.158	8.437	8.556	8.466	8.550	8.334	8.252	8.762	8.715	8.475	8.875	8.687	8.757	8.657	8.814	8.676	8.693
1425681	at	Prnd	AF165166	Mm.180750	2	5.066	7.492	4.750	5.199	6.408	5.619	5.442	6.479	6.482	6.299	7.817	6.349	6.584	7.596	6.568	5.129	5.607	5.317	5.293	5.896	5.373	5.002	5.098	4.943
1425682	a at	Tprkb	BC027162	Mm.218434	6	7.310	8.079	7.566	7.740	7.790	7.719	7.701	8.182	8.091	8.350	7.599	8.083	7.910	8.099	7.684	7.446	8.051	7.948	7.905	7.791	8.040	8.382	7.569	7.569
1425683	at	NA	BC006040	NA	NA	3.849	4.123	3.927	3.889	3.871	3.922	3.845	3.896	3.973	3.803	4.114	3.890	3.932	3.837	3.915	3.981	3.832	3.885	4.058	3.992	3.853	3.837	3.940	3.896
1425684	at	Z130005E10Rik	BB493454	Mm.70371	6	6.719	6.960	7.189	7.240	6.927	7.087	7.121	7.173	7.380	7.362	6.915	7.574	7.310	7.104	7.206	7.018	7.518	7.429	7.322	7.349	7.189	7.309	7.373	6.770
1425685	at	Z13005E10Rik	BB493454	Mm.70371	6	6.719	6.960	7.189	7.240	6.927	7.087	7.121	7.173	7.380	7.362	6.915	7.574	7.310	7.104	7.206	7.018	7.518	7.429	7.322	7.349	7.189	7.309	7.373	6.770
1425686	at	Cflar	BE284491	Mm.336848	1	8.467	8.614	8.729	8.686	8.404	8.703	8.734	7.804	8.384	8.670	8.913	8.360	8.546	8.559	8.664	8.779	7.764	8.135	8.527	8.672	8.402	7.882	8.692	8.951
1425687	at	Cflar	BE284491	Mm.336848	1	7.570	7.461	7.470	7.575	7.768	7.309	7.499	7.226	7.415	7.598	7.667	7.552	7.380	7.461	7.396	7.459	7.364	7.240	7.322	7.103	7.246	7.349	7.560	7.466
1425688	a at	Dpvs	AK004989	Mm.275974	15	4.443	4.490	4.658	4.520	4.643	4.474	4.531	4.480	4.601	4.480	4.578	4.435	4.862	4.475	4.607	4.415	4.609	4.413	4.542	4.442	4.755	4.452	4.641	6.386
1425689	at	Dpvs	AK004989	Mm.275974	15	6.876	6.549	6.788	6.881	6.750	6.907	6.945	6.746	6.608	6.587	6.618	6.805	6.863	6.887	6.899	6.914	6.878	6.636	6.923	6.994	6.925	6.785	7.087	6.808
1425690	at	B3gat1	BM945167	Mm.218788	9	7.451	7.291	7.295	7.293	7.103	7.300	7.202	7.306	7.281	7.173	7.273	7.118	7.202	7.126	7.192	7.277	7.162	7.071	7.232	7.174	7.232	7.121	7.201	
1425691	at	B3gat1	BM945167	Mm.218788	9	6.881	6.638	6.780	6.908	6.739	6.829	6.800	6.668	6.631	6.682	6.775	6.719												

1425740	at	Suv420h1	BC011214	MM.278578	19	6.800	6.862	6.962	7.031	6.893	6.884	6.691	7.124	6.911	6.643	6.882	6.913	6.912	6.825	6.857	6.839	6.842	7.070	7.021	6.952	7.037	7.043	6.791		
1425741	at	Sraap3	AF338472	MM.236401	6	5.592	5.312	5.408	5.566	5.538	5.594	5.601	5.354	5.401	5.616	5.185	5.499	5.266	5.560	5.676	5.530	5.500	5.545	5.527	5.363	5.551	5.619	5.505	5.583	
1425742	a at	Tac2d21	AF201285	MM.153272	14	13.210	12.833	12.913	13.108	13.154	13.274	13.137	13.438	12.747	12.923	14.039	13.073	13.146	13.058	13.911	13.010	13.145	13.011	13.398	13.262	13.411	13.451	13.364	13.535	
1425743	at	Trim7	AF396656	MM.390335	11	5.758	5.926	5.875	5.964	5.902	5.991	6.060	5.863	5.872	5.823	5.748	5.837	5.782	5.928	6.126	5.751	6.124	6.329	6.019	6.160	6.019	6.062	6.009	5.856	
1425744	a at	Mgat5	AF474165	MM.214682	1	5.336	5.282	5.089	5.300	5.204	5.135	5.187	5.374	4.955	5.138	5.319	5.183	5.341	5.204	5.233	5.050	5.368	4.939	5.315	5.292	5.197	4.998	5.118	5.151	
1425745	a at	Tac2c	BC004057	MM.86322	7	13.478	12.545	13.265	12.925	12.967	13.055	12.873	13.795	12.797	13.180	13.988	13.422	13.414	13.168	13.964	13.990	13.611	13.433	13.959	13.724	13.531	13.664	13.617	13.156	
1425746	at	D730039F16Rik	BC021171	MM.215255	2	6.992	6.550	6.930	6.733	6.966	6.631	6.823	6.720	6.538	6.596	6.748	6.723	6.660	6.561	6.721	6.734	6.591	6.713	6.725	6.879	6.758	6.666	6.573	6.604	
1425747	at	Dock5	BC016533	MM.258155	14	7.174	7.334	6.952	6.941	7.204	6.879	6.980	7.037	7.542	7.109	7.295	7.085	7.225	7.186	7.023	6.918	6.871	6.911	7.120	7.071	6.877	6.870	6.893	6.880	
1425748	at	Diras1	B0042613	MM.44995	10	6.368	6.226	6.221	6.249	6.658	6.379	6.330	6.305	6.398	6.262	6.331	6.337	6.269	6.342	6.311	6.376	6.332	6.358	6.469	6.432	6.347	6.286	6.402	6.552	
1425749	at	Stxbp6	BC024598	MM.285400	12	6.784	7.268	6.768	6.678	6.461	6.803	6.797	6.827	6.847	6.755	6.789	6.698	6.657	6.833	6.868	6.866	6.852	6.762	6.855	6.791	6.888	6.936	6.901	6.940	
1425750	a at	NaK	L40172	MM.249645	8	8.810	9.332	8.824	8.930	9.154	8.733	8.751	8.740	9.174	9.041	9.303	8.924	8.988	9.072	8.803	8.854	8.633	8.772	8.784	8.660	8.683	8.266	8.925	8.581	
1425751	at	BC014805	AJ132857	MM.207060	19	7.769	7.995	7.813	7.874	7.779	7.725	7.875	7.572	7.874	7.579	7.941	7.646	7.743	7.654	7.690	7.947	7.602	7.695	7.811	7.962	8.006	7.651	7.867	7.824	
1425752	at	BC014805	AJ132857	MM.207060	19	6.260	5.872	6.102	6.180	6.061	6.147	6.075	6.109	5.983	5.886	6.380	5.661	5.997	6.052	6.033	6.229	5.901	6.335	6.200	6.165	6.609	5.940	6.102	6.139	
1425753	a at	Unq	BC004037	MM.1393	5	10.148	9.886	10.146	10.561	9.896	10.425	10.511	9.382	8.378	9.057	9.171	9.250	8.821	9.282	9.343	10.358	10.167	10.430	10.185	10.428	10.216	10.222	10.374	10.455	
1425754	a at	Btln1a1	BC009817	MM.1420	13	3.927	3.803	3.755	3.741	3.783	3.607	3.680	3.893	3.971	3.767	3.953	3.599	3.787	3.608	3.914	3.807	3.803	3.897	3.909	3.804	3.949	3.713	3.721	3.654	
1425755	at	NA	U32332	MM.16366	X	4.872	5.147	5.097	5.088	5.023	4.990	5.007	4.696	4.963	5.036	4.819	4.791	4.767	4.963	5.054	5.053	4.526	4.908	4.675	5.101	4.855	4.895	4.837	5.000	
1425756	at	Rab40b	AF425643	MM.281639	11	6.900	6.762	6.736	6.827	6.821	6.677	6.713	6.939	6.781	6.576	6.930	6.758	6.911	6.600	6.639	6.730	6.955	6.648	6.723	6.622	6.932	6.606	6.642	6.582	
1425757	a at	Impd1	AF266478	MM.422780	9	4.481	4.297	4.441	4.518	4.455	4.260	4.393	4.434	4.559	4.373	4.420	4.569	4.436	4.499	4.450	4.490	4.589	4.446	4.439	4.444	4.568	4.577	4.529	4.469	
1425758	a at	Impd1	AF266478	MM.422780	9	6.785	6.618	6.682	6.748	6.473	6.868	6.707	6.630	6.480	6.527	6.793	6.497	6.337	6.517	6.623	6.588	6.892	6.793	6.701	6.803	6.617	6.628	6.704	6.768	
1425759	at	Nobox	AY061761	MM.17715	6	7.740	7.195	7.650	7.438	7.489	7.584	7.656	7.583	7.549	7.292	7.654	7.497	7.530	7.629	7.512	7.584	7.609	7.637	7.583	7.592	7.590	7.423	7.627	7.622	
1425760	a at	Pitpnm1	AF006467	MM.1860	19	8.288	8.550	8.132	8.306	8.736	8.237	8.156	7.793	8.316	8.326	8.200	8.733	8.580	8.170	8.330	8.110	8.135	8.379	8.422	8.048	7.959	7.968	8.057	8.127	
1425761	a at	Nfatc1	AF239169	MM.329560	18	8.245	8.190	8.248	8.257	8.127	8.046	8.044	8.003	8.260	8.416	8.574	7.996	8.497	8.284	8.405	8.215	7.999	7.915	8.119	7.973	7.914	7.979	8.291	8.262	
1425762	a at	Rxra	U77683	MM.24624	2	8.394	8.162	8.146	8.337	8.341	8.196	8.279	8.419	8.286	8.203	8.134	8.218	8.168	8.166	8.253	8.171	8.299	8.315	8.263	8.236	8.397	8.198	8.287	8.264	
1425763	x at	Iqh	BC019425	MM.342177	12	7.588	7.457	7.604	7.698	8.942	7.647	7.913	8.032	7.968	7.822	8.420	7.498	7.858	8.067	7.901	7.648	8.001	7.687	7.645	7.915	8.431	8.496	7.696	7.587	
1425764	a at	Bcat12	AF031467	MM.24210	7	9.720	9.600	9.737	9.699	9.785	9.262	9.247	9.351	10.100	10.027	8.895	9.547	8.987	9.171	9.857	9.728	10.438	10.227	10.117	10.226	10.137	10.234	10.037	9.848	10.042
1425765	at	NA	BC006659	NA	NA	4.446	4.611	4.519	4.446	4.359	4.573	4.495	4.528	4.484	4.325	4.408	4.469	4.657	4.519	4.756	4.627	4.480	4.379	4.493	4.737	4.560	4.467	4.587	4.511	
1425766	x at	NA	BC006659	NA	NA	4.536	4.782	4.777	4.748	4.458	4.530	4.479	4.748	4.758	4.432	4.748	4.758	4.432	4.748	4.758	4.432	4.748	4.758	4.432	4.748	4.758	4.432	4.748	4.758	
1425767	s at	Siv4	D50416	MM.249575	12	8.497	7.691	8.427	8.308	8.229	8.380	8.305	7.850	7.850	8.049	6.683	8.047	8.306	8.046	8.537	8.678	4.069	8.237	8.408	8.564	8.164	8.582	8.797		
1425768	at	Diablo	BC024780	MM.46716	5	6.871	6.648	6.845	6.883	6.731	6.788	6.886	6.859	6.765	6.613	6.775	6.655	6.701	6.515	6.790	6.929	6.961	6.907	6.998	6.967	6.969	6.870	6.944	6.857	
1425769	x at	Kcif	AF401530	MM.269219	8	5.885	6.631	5.833	5.790	5.826	5.886	5.975	5.782	6.591	6.128	6.384	5.765	6.099	6.357	6.017	5.735	6.556	5.893	5.788	5.783	5.556	5.665	5.746	5.711	
1425770	at	Kcif	AF401530	MM.269219	8	6.058	5.796	6.290	6.001	5.842	5.903	6.026	6.153	6.061	5.907	6.294	5.969	5.924	6.075	6.141	6.116	6.009	6.042	6.104	6.267	5.960	6.096	6.109	6.079	
1425771	at	Akr1d1	BC018333	MM.262635	6	6.469	6.089	6.179	6.554	6.197	6.094	6.376	6.119	6.239	6.175	6.271	6.122	6.281	6.299	6.269	6.234	6.401	6.345	6.158	6.410	6.383	6.250	6.485	6.381	
1425772	at	Col4a4	AF169388	MM.40253	1	6.294	5.794	6.035	5.981	5.948	5.988	5.973	6.019	5.970	5.913	5.864	5.929	5.989	5.966	5.891	5.893	5.970	5.884	5.997	6.184	6.037	5.926	5.950	6.086	
1425773	s at	Nmnar1	AF260924	MM.76062	4	8.101	8.109	7.854	7.933	7.910	7.826	7.981	7.921	7.865	7.911	7.713	7.595	7.453	7.422	7.825	7.970	7.352	8.342	8.287	8.082	8.203	8.314	7.965	8.415	
1425774	s at	LOC10001A10Rik	AF260924	MM.76062	5	7.928	7.929	7.665	7.687	7.696	7.561	7.597	7.736	7.939	7.838	7.432	7.637	7.937	7.897	7.897	7.897	7.897	7.897	7.897	7.897	7.897	7.897	7.897	7.897	
1425775	at	Zfp826	BC019219	MM.271252	17	3.981	4.254	3.846	3.915	4.060	4.022	4.016	4.446	4.323	4.182	3.780	4.108	4.246	4.141	4.105	3.879	4.105	4.064	3.880	3.944	3.938	4.323	3.998	3.949	
1425776	a at	C87436	BC025632	MM.333219	6	6.838	7.074	6.744	6.786	6.788	6.875	6.617	6.665	6.956	6.938	6.787	6.925	6.975	6.850	6.560	6.706	7.047	7.188	6.873	6.947	6.910	6.964	6.763	6.756	
1425777	at	Cacnb1	AY094173	MM.41252	11	8.593	7.965	8.424	8.413	8.481	8.289	8.138	8.238	8.175	8.216	8.304	8.063	8.157	8.225	8.508	8.332	8.248	8.220	8.466	8.349	8.294	8.085	8.345	8.469	
1425778	at	Indo1l	BC026393	MM.219580	8	5.739	5.790	5.702	5.865	5.699	5.534	5.634	5.747	5.886	5.629	5.708	5.869	5.736	5.805	5.731	5.665	5.607	5.580	6.101	5.866	5.702	5.625	5.935	5.597	
1425779	a at	Tbx1	AF326960	MM.295194	16	6.556	6.333	6.444	6.451	6.346	6.304	6.508	6.528	6.253	6.371	6.497	6.463	6.603	6.361	6.516	6.488	6.989	6.429	6.511	6.628	6.958	7.138	6.637	6.498	
1425780	a at	Tmem167	BC024352	MM.241387	13	10.086	11.276	10.253	10.090	10.599	10.359	10.260	10.172	11.222	10.992	10.442	10.591	10.720	11.148</											

1425829	a	at	Steap4	AY029778	MM.314043	5	7.105	6.818	6.996	7.200	6.958	7.275	7.114	6.992	7.078	6.962	7.296	6.796	7.058	7.032	7.066	6.991	7.097	7.032	7.113	7.317	7.075	7.292	7.453		
1425830	a	at	Z810452K22Rik	BC021867	MM.287157	12	8.634	9.034	8.639	8.648	8.744	9.050	8.860	8.631	8.730	8.772	8.931	8.668	8.633	8.963	8.657	8.747	8.817	8.984	9.126	8.849	8.742	8.879	8.779	8.710	
1425831	at		Zfp101	BC020258	MM.4417	17	7.194	7.140	6.975	6.885	7.007	7.125	7.000	7.323	7.064	7.160	7.176	7.057	7.135	7.388	7.175	7.008	7.011	6.927	7.136	7.130	6.924	7.096	7.256	7.006	
1425832	a	at	Cxcr6	AF301018	MM.124289	9	5.976	7.426	5.752	5.861	5.624	6.075	5.757	5.685	5.603	5.858	5.712	5.554	7.621	7.224	5.867	5.803	5.371	5.477	5.848	5.462	5.553	5.691	5.434	5.779	
1425833	a	at	Hnf3b	AF320651	MM.443017	4	5.378	5.274	5.448	5.346	5.212	5.482	5.326	5.359	5.449	5.309	5.582	5.334	5.566	5.409	5.298	5.374	5.308	5.345	5.496	5.352	5.374	5.357	5.236		
1425834	a	at	Gpm	BC019201	MM.210196	17	7.447	6.957	7.282	7.466	7.365	7.587	7.470	7.330	7.349	7.176	7.308	7.088	7.241	7.408	7.222	7.210	7.282	7.107	7.405	7.389	7.260	7.653	7.389	7.580	
1425835	a	at	Bbx	AF454494	MM.28940	16	7.867	7.899	7.479	7.829	7.876	7.841	7.736	7.876	8.202	7.813	7.714	7.958	8.100	7.819	7.749	7.843	7.983	7.935	7.968	7.918	7.794	7.935	7.692	7.700	
1425836	a	at	Uim1k	U14166	MM.15409	5	8.554	8.246	8.351	8.448	8.455	8.334	8.532	8.409	8.384	8.313	8.576	8.443	8.349	8.380	8.484	8.364	8.509	8.472	8.454	8.533	8.580	8.287	8.422	8.421	
1425837	a	at	Ccrn4l	AF199491	MM.86541	3	11.773	11.456	11.764	11.086	11.211	11.249	11.199	10.940	10.940	11.083	11.771	10.707	10.638	10.901	11.018	11.636	10.375	10.584	10.564	10.532	11.446	11.583	11.951	11.967	
1425838	at		Atp9a	BC021814	MM.330819	2	7.339	7.091	7.339	7.297	7.068	7.224	7.352	7.269	7.301	7.210	7.191	7.027	7.052	7.197	7.165	7.222	7.022	7.173	7.220	6.991	7.105	7.085	7.133	7.139	
1425839	at		Fkbp11	BC021345	MM.30729	15	6.001	5.763	5.920	5.734	5.846	5.994	5.944	5.847	5.756	5.593	5.599	5.621	5.898	5.908	5.953	6.030	5.679	5.735	5.950	6.021	5.758	5.685	5.933	5.926	
1425840	a	at	Seima3f	AF080900	MM.12903	9	7.979	8.490	7.895	7.552	8.023	7.640	7.600	7.555	7.837	8.274	7.987	8.209	8.100	8.309	8.144	7.837	7.092	7.353	7.162	7.238	7.599	7.288	7.791	7.475	
1425841	a	at	Sic26a7	BC026928	MM.296006	4	6.542	6.300	6.567	6.597	6.432	6.665	6.754	6.571	6.444	6.218	6.617	6.395	6.556	6.662	6.407	6.448	6.526	6.671	6.600	6.685	6.61	6.447	6.594	6.680	
1425842	at		Edi3	AF031525	MM.125580	13	4.423	4.299	4.466	4.341	4.287	4.285	4.181	4.244	4.518	4.215	4.581	4.322	4.233	4.312	4.352	4.355	4.237	4.449	4.257	4.306	4.277	4.427	4.469	4.420	
1425843	at		Mmr33	BC027018	MM.120763	5	7.175	7.099	7.218	7.124	7.147	7.117	7.174	7.157	7.148	7.202	7.459	6.979	6.874	7.340	7.074	7.196	7.158	7.035	7.184	7.247	7.304	7.115	7.065	7.363	
1425844	a	at	Rnqt	AF034568	MM.240024	4	7.111	7.961	7.291	7.325	7.408	7.287	7.375	7.599	7.711	7.832	7.672	7.696	7.521	7.929	7.372	7.464	7.377	7.310	7.351	7.163	7.062	7.265	7.018	7.280	
1425845	a	at	Shoc2	BC026364	MM.228669	19	9.140	9.133	9.230	9.175	9.159	9.154	9.218	9.365	9.319	9.048	9.242	9.277	9.082	9.005	9.251	9.185	9.159	9.235	9.143	9.204	9.174	9.259	9.116	9.078	
1425846	a	at	Caln1	AF282251	MM.320206	5	6.165	5.817	6.163	5.996	5.936	6.136	6.513	5.999	5.925	5.891	6.261	5.961	5.968	5.932	6.114	6.061	6.224	6.175	6.017	6.208	6.058	6.123	6.013	6.184	
1425847	a	at	B230120H23Rik	AB049732	MM.314618	2	6.580	7.073	6.271	6.501	6.638	6.302	6.162	6.198	6.408	6.347	6.405	6.499	6.197	6.539	6.332	6.290	5.927	6.037	6.288	5.985	6.110	5.853	5.998	6.243	
1425848	a	at	Dusp26	BC019204	MM.23916	8	5.956	5.688	5.858	5.770	5.681	5.747	5.785	6.159	5.445	5.619	5.900	5.629	5.630	5.695	5.822	5.923	6.117	5.832	5.969	5.909	5.674	5.854	5.949	5.850	
1425849	at		Cnrn84	AF492840	MM.32694	9	5.754	5.632	5.726	5.834	5.799	5.627	5.819	5.968	5.470	5.580	5.650	5.777	5.731	5.809	5.576	5.786	5.925	5.669	5.786	5.665	5.911	5.829	5.928	5.820	
1425850	a	at	Nek6	BC019524	MM.143818	2	7.186	7.465	7.173	7.322	7.292	7.164	7.266	7.217	7.779	7.511	7.281	7.267	7.488	7.534	7.188	7.227	7.013	7.228	7.329	7.232	7.202	7.229	7.341	7.386	
1425851	a	at	Amigo1	BC022907	MM.275752	3	7.950	7.676	7.860	7.972	7.762	7.810	7.866	8.013	7.697	7.783	7.999	7.920	7.894	7.645	7.634	7.840	8.010	7.861	7.818	7.963	8.074	7.941	8.046	7.910	
1425852	at		A230107C01Rik	BC026888	MM.349382	7	7.264	6.795	7.115	7.090	7.203	7.109	7.036	7.156	7.226	7.204	7.128	7.111	6.962	7.339	7.043	7.086	7.263	6.900	7.331	7.131	7.037	7.121	7.120	7.161	
1425853	s	at	Prlr	M22958	MM.10516	15	5.999	5.485	5.900	5.918	5.608	6.004	5.825	5.377	5.178	5.345	5.346	5.473	5.561	5.421	5.457	6.015	5.683	5.919	6.095	5.871	5.569	5.527	5.816	5.780	
1425854	x	at	Tcrb3	U07661	MM.333026	6	7.354	7.430	7.399	7.254	7.323	7.093	7.437	7.363	7.397	7.361	7.344	7.246	7.356	7.383	7.160	7.298	7.525	7.398	7.331	7.597	7.678	7.734	7.528	7.305	
1425855	x	at	Hspa	MM.236125	11	7.784	7.727	7.701	7.731	7.767	7.760	7.787	7.800	7.807	7.822	7.815	7.830	7.827	7.830	7.827	7.830	7.827	7.830	7.827	7.830	7.827	7.830	7.827	7.830	7.827	7.830
1425856	x	at	Cib1	BC005570	MM.302722	6	7.011	6.970	7.002	6.850	7.096	7.057	6.937	7.007	6.998	7.087	7.082	7.104	7.137	7.087	7.082	7.104	7.137	7.087	7.082	7.104	7.137	7.087	7.082	7.104	7.137
1425857	at		Fbxw9	BC002276	MM.374815	8	6.900	6.899	6.829	6.629	6.851	6.622	6.808	6.899	6.944	6.930	6.763	6.909	6.963	6.674	6.817	6.706	6.943	6.880	6.768	6.852	6.936	6.862	6.654	6.777	
1425858	at		Ube2m	BC026581	MM.196580	7	9.325	9.046	9.270	9.298	9.128	9.206	9.260	9.141	9.187	9.083	9.187	8.991	9.112	9.239	9.170	9.288	9.880	9.088	9.155	9.309	9.159	8.986	9.307	9.343	
1425859	a	at	Psmid4	AB029146	MM.2261	3	9.156	9.136	9.122	9.148	9.092	8.979	8.977	9.240	9.209	9.203	9.259	9.644	9.258	9.134	9.098	9.113	9.687	9.464	9.208	9.190	9.583	9.467	9.207	9.041	
1425860	x	at	Klf4	AY046597	MM.269219	8	7.695	9.056	7.485	7.514	8.103	7.926	7.823	7.669	8.790	8.414	8.382	8.841	8.096	8.841	7.836	7.332	7.345	7.513	7.479	7.339	7.454	7.319	7.418	7.560	
1425861	x	at	Cacna2d1	U73483	MM.159842	5	5.083	5.304	5.209	5.308	5.081	5.307	5.112	5.013	4.982	5.732	5.182	5.209	4.928	5.234	5.356	5.204	4.988	4.868	5.176	5.319	5.045	4.921	5.112	5.507	
1425862	a	at	Pik3c2a	U52193	MM.3810	7	5.127	4.778	4.826	4.804	4.716	4.702	4.741	4.881	5.055	4.873	4.813	4.905	4.673	4.956	4.758	4.734	4.651	4.634	4.692	4.638	4.726	4.573	4.750	4.720	
1425863	at		Rps9b	AF289638	MM.314740	8	5.922	5.664	5.985	5.895	5.619	5.741	5.785	5.934	6.065	6.119	5.930	6.035	5.644	5.793	6.052	5.774	5.472	5.803	5.716	5.196	5.727	5.705	5.002	5.002	
1425864	a	at	Sorcs1	AF284755	MM.313672	19	6.496	6.316	6.550	6.361	6.336	6.385	6.221	6.283	6.379	6.168	6.407	6.314	6.279	6.270	6.255	6.297	6.329	6.251	6.208	6.646	6.439	6.356	6.359	6.498	
1425865	a	at	Liq3	U66057	MM.277136	11	6.960	7.159	6.914	7.018	6.904	6.996	6.729	7.040	6.863	7.006	7.008	6.907	6.723	7.135	7.110	7.156	6.790	6.840	7.053	6.991	6.848	6.718	6.906	7.108	
1425866	a	at	Plekha4	BC021387	MM.274158	7	7.746	7.372	7.565	7.497	7.461	7.473	7.527	7.447	7.421	7.374	7.456	7.637	7.645	7.601	7.386	7.646	7.479	7.331	7.493	7.590	7.389	7.233	7.445	7.573	
1425867	at		Plekha4	BC021387	MM.274158	7	7.370	6.986	7.164	7.177	7.166	7.287	7.292	7.233	7.110	7.115	7.200	7.111	7.107	7.111	7.107	7.111	7.107	7.111	7.107	7.111	7.107	7.111	7.107	7.111	
1425868	at		Hist2h2bb	BC019122	MM.297655	3	7.413	6.931	7.955	7.963	7.809	7.381	7.176	7.358	7.787	7.837	7.505	6.891	7.359	7.676	7.835	7.921	7.820	7.735	7.536	7.778	7.771	7.848	8.613	7.433	
1425869	a	at	Psen2	BC010403	MM.																										

1425918	at	Eqln3	BC022961	Mm.133037	12	9.133	8.872	9.455	9.417	9.180	9.708	9.426	9.588	9.404	9.695	9.290	9.427	9.546	9.473	10.022	9.423	9.664	9.904	9.936	9.631	9.930	9.559	9.851		
1425919	at	Ndufa12	BC004633	Mm.27886	10	5.209	5.533	5.175	5.260	5.422	5.465	5.423	5.326	5.510	5.336	5.216	5.403	5.544	5.261	5.341	5.471	5.367	5.582	5.627	5.488	5.617	5.742	5.506	5.753	
1425920	at	Cuedc1	BC025434	Mm.374846	11	7.336	7.074	7.255	7.190	7.551	7.044	7.009	7.416	7.004	7.174	6.922	7.551	7.077	6.848	7.332	7.232	7.897	7.222	7.324	7.223	7.232	7.668	7.236	7.421	
1425921	a	at	H810055G02Rik	BC019471	Mm.23780	19	7.997	9.179	7.860	7.875	8.758	8.123	7.990	8.344	9.129	8.547	8.744	8.684	8.205	7.737	7.991	8.010	8.099	7.589	7.959	7.991	7.939	8.018		
1425922	a	at	Mycn	M06569	12	7.851	5.778	5.976	5.868	6.101	5.746	5.792	6.200	6.054	5.745	6.783	5.838	5.897	5.986	5.895	5.920	5.848	5.980	5.848	5.890	5.945	5.949	7.126		
1425923	at	Mycn	M36277	Mm.16469	12	8.554	8.220	8.494	8.604	8.520	8.34	8.512	8.587	8.581	8.318	8.442	8.333	8.460	8.528	8.375	8.407	8.488	8.404	8.632	8.578	8.507	8.455	8.390		
1425924	at	Mdfr	U57821	Mm.329100	17	7.902	7.736	7.818	7.822	7.599	7.752	7.863	7.860	7.895	7.713	8.020	8.063	7.900	7.828	7.857	7.947	7.775	7.866	7.893	7.963	7.933	7.798	8.000	7.908	
1425925	at	Fcamr	AB048834	Mm.31821	1	6.527	6.369	6.719	6.563	6.666	6.604	6.655	6.806	6.470	6.391	6.696	6.325	6.627	6.570	6.694	6.822	6.529	6.610	6.765	6.814	6.628	6.513	6.737	6.639	
1425926	a	at	Otx2	BC017609	Mm.134516	14	4.719	4.098	4.423	4.473	4.358	4.530	4.441	4.666	4.308	4.434	4.400	4.389	4.353	4.428	4.436	4.628	4.618	4.280	4.459	4.483	4.397	4.435	4.407	
1425927	a	at	Atf5	AF375476	Mm.389890	7	9.334	9.283	9.015	9.288	9.458	8.679	8.756	9.555	9.537	9.306	9.154	9.517	9.238	8.744	8.956	8.994	9.722	9.255	9.067	8.847	9.539	9.589	8.745	
1425928	at	Xkr6	BC024502	Mm.450437	14	5.989	6.097	6.078	6.224	6.094	6.217	6.137	6.182	6.018	5.944	6.234	6.057	6.167	6.508	6.078	6.093	6.231	6.114	6.103	6.405	6.122	6.168	6.013	6.065	
1425929	at	Rnf14	AF949668	Mm.228903	18	7.840	7.907	8.129	8.053	7.917	8.022	7.895	7.565	7.765	7.962	7.820	7.896	7.693	7.832	7.943	8.075	7.597	7.619	8.031	8.002	7.822	7.646	7.788	7.925	
1425930	at	Mlx	AF213670	Mm.628	12	6.821	7.466	6.667	6.925	6.967	6.863	6.829	6.564	7.105	7.236	6.954	7.219	6.902	7.344	6.721	6.866	6.655	6.950	6.895	6.729	6.628	6.352	6.586	6.701	
1425931	at	Arntl2	AY014836	Mm.333500	6	8.227	7.990	8.318	8.380	8.315	8.290	8.314	8.225	8.102	7.984	8.267	8.178	8.151	8.141	8.087	8.150	8.163	8.121	8.273	8.146	8.216	7.955	8.094	8.231	
1425932	a	Cuabp1	AF267355	Mm.29495	2	6.603	6.637	6.481	6.364	6.134	6.397	6.422	6.019	6.083	6.458	6.436	6.126	6.134	6.194	6.252	6.679	6.004	6.422	6.444	6.351	5.959	5.562	6.353	6.715	
1425933	a	at	Nt5c2	BC006028	Mm.248652	19	8.913	9.155	9.376	8.708	8.748	9.230	9.212	8.970	9.092	9.575	9.414	8.954	8.765	9.377	9.111	9.491	8.560	8.852	9.280	9.057	8.664	8.392	8.846	9.337
1425934	a	at	B4qalt4	AF158746	Mm.182377	16	6.877	6.631	7.308	6.857	6.941	6.931	6.678	6.714	6.531	6.678	6.881	6.702	6.764	6.664	6.918	7.160	6.609	6.838	6.512	6.741	6.707	6.795	7.618	7.628
1425935	at	Hspb11	BC021897	Mm.21787	4	3.786	3.625	3.786	3.932	3.657	3.801	3.988	3.733	3.584	3.668	3.313	3.915	3.707	3.790	3.756	3.939	3.372	3.991	3.712	3.757	3.898	3.877	3.854	3.758	
1425936	at	Ankmy2	BC012275	Mm.130422	12	5.364	5.345	5.467	5.539	5.467	5.326	5.356	5.299	5.389	5.526	5.160	5.495	5.595	5.507	5.798	5.418	5.447	5.439	5.555	5.630	5.199	5.384	5.330	5.379	
1425937	a	at	Hesx1m1	BC022111	Mm.475878	11	9.148	9.168	8.845	9.105	9.322	9.243	8.920	9.304	9.354	9.176	9.015	9.360	9.253	9.133	9.311	9.034	9.589	9.347	9.502	9.042	9.297	9.318	8.887	8.902
1425938	a	Fkbp11	BC022900	Mm.30729	15	7.810	7.532	7.670	7.635	7.417	7.612	7.746	7.617	7.571	7.389	7.744	7.451	7.607	7.567	7.506	7.491	7.503	7.578	7.713	7.662	7.607	7.593	7.726	7.606	
1425939	at	Rad50	BC002033	Mm.4888	11	5.883	5.370	5.544	5.580	5.610	5.721	5.700	5.741	5.586	5.478	5.723	5.275	5.684	5.784	5.621	5.519	5.577	5.637	5.648	5.700	5.739	5.573	5.627	5.817	
1425940	a	Ssbp3	AF170906	Mm.195635	4	7.344	7.244	7.351	7.261	7.104	7.346	7.216	6.798	6.948	7.351	7.100	6.903	7.042	7.177	7.263	7.290	6.942	6.974	7.185	7.158	6.888	6.930	7.046	7.423	
1425941	a	Fanci	BC025462	Mm.349493	7	4.839	4.597	4.774	4.652	4.689	4.700	4.602	4.726	4.651	4.550	4.678	4.712	4.678	4.665	4.572	4.690	4.552	4.606	4.772	4.989	4.673	4.550	4.772	4.811	
1425942	a	Gpm6b	AF254879	Mm.222320	X	8.224	8.907	8.154	8.570	9.231	8.754	8.605	8.576	9.456	9.271	8.986	9.247	9.374	9.110	9.193	8.168	8.142	8.356	8.422	7.968	8.318	8.209	7.945	8.203	
1425943	at	Nmur2	AY057384	Mm.213205	11	7.850	7.606	7.764	7.845	6.788	7.678	7.778	7.745	7.624	7.532	7.740	7.677	7.703	7.783	7.743	7.837	7.757	7.660	7.730	7.944	7.745	7.649	7.810	7.771	
1425944	a	at	Rps6u12	BC024577	Mm.458666	11	7.414	7.654	7.713	7.608	7.242	7.578	7.202	7.402	7.469	7.301	7.423	7.215	7.228	7.349	7.215	7.278	7.578	7.738	7.648	7.578	7.648	7.430	7.440	
1425945	a	at	BC024577	Mm.458666	11	7.850	7.655	7.121	4.990	5.188	5.157	5.186	5.071	5.039	5.111	5.066	5.194	5.115	5.066	5.194	5.115	5.066	5.213	5.139	5.201	5.181	5.139	4.845	4.980	5.012
1425946	at	Gstm7	BC019413	Mm.458189	3	8.718	8.214	8.489	8.690	8.346	8.424	8.601	8.465	8.324	8.184	8.527	8.345	8.280	8.280	8.517	8.522	8.492	8.503	8.433	8.648	8.549	8.406	8.574	8.438	
1425947	at	Ifng	K00083	Mm.240327	10	4.833	4.711	4.719	4.615	4.792	4.699	4.614	4.676	4.651	4.500	4.763	4.671	4.778	4.580	4.674	4.854	4.913	4.623	4.819	4.951	4.952	4.687	4.934	4.735	
1425948	a	at	Slc25a30	BC022676	Mm.46067	14	5.839	5.864	5.786	6.098	5.715	5.696	5.735	5.969	5.868	5.737	6.066	5.935	5.845	6.022	5.861	5.775	5.844	5.517	5.772	5.830	5.811	5.584	6.006	5.740
1425949	at	Slc25a30	BC022676	Mm.46067	14	5.414	5.479	5.356	5.386	5.511	5.522	5.493	5.395	5.332	5.205	5.408	5.235	5.450	5.349	5.398	5.412	5.248	5.365	5.411	5.615	5.287	5.538	5.547	5.489	
1425950	at	L7000219H03Rik	BC019537	Mm.87189	2	7.249	7.082	7.165	7.280	7.122	7.214	7.261	7.251	7.302	7.140	7.227	7.045	7.377	7.257	7.015	7.079	7.186	7.025	6.976	6.988	7.136	7.129	7.170	7.233	
1425951	a	at	Clec4n	AF240358	Mm.271782	6	6.082	6.133	5.533	6.175	6.612	6.161	5.909	6.101	8.424	8.151	7.235	6.155	6.782	6.165	6.499	6.015	5.490	5.476	6.200	5.534	5.802	5.584	5.619	5.672
1425952	a	at	Gc3	BC021654	Mm.45494	2	4.735	10.006	4.647	4.951	10.399	4.963	4.972	4.966	4.469	4.485	4.244	4.469	4.348	4.052	4.348	4.427	4.336	4.421	9.014	4.012	4.467	4.318	4.489	5.674
1425953	at	NA	BC005774	NA	NA	7.055	7.004	7.718	7.123	7.075	7.072	7.089	6.941	6.822	6.954	6.745	6.984	6.790	6.732	6.868	6.864	6.945	7.021	6.778	6.705	7.249	6.929	6.745	6.924	
1425954	a	at	Apex2	BC026769	Mm.440275	X	7.385	6.934	7.305	7.242	7.174	7.167	7.279	6.964	7.039	6.867	7.144	7.037	6.860	7.100	7.227	7.350	7.190	7.211	7.271	7.399	7.230	7.255	7.228	7.379
1425955	at	Cav2	AB049605	Mm.396075	6	7.396	7.134	7.347	7.623	7.320	7.469	7.331	7.336	7.281	7.129	7.495	7.116	7.202	7.401	7.441	7.472	7.361	7.331	7.316	7.468	7.398	7.166	7.557	7.279	
1425956	a	at	Cdac1c	AB004588	Mm.439850	14	9.084	8.939	9.288	9.062	8.994	8.990	9.088	9.066	8.776	9.234	8.859	9.421	9.273	8.991	9.313	9.263	9.011	9.107	9.185	9.103	8.939	9.048	8.941	9.330
1425957	x	at	L700021K02Rik	AF257503	Mm.30227	10	5.119	4.715	5.626	4.900	5.046	4.988	5.055	5.004	4.882	4.866	5.090	4.920	5.500	5.174	5.052	5.087	5.047	5.159	5.063	5.051	5.522	4.963	5.223	5.187
1425958	at	Itih9	AY071843	Mm.249379	2	7.001	6.456	6.869	6.717	6.600	6.741	6.906	6.752	6.646	6.543	6.778	6.550	6.604	6.728	6.774	6.803	6.649	6.682	6.682	6.952	6.862	6.598			

1426007	a	at	Ubxn10	BC027099	Mm.292226	4	6.048	5.502	5.768	5.633	5.619	5.725	5.689	5.500	5.397	5.444	5.502	5.579	5.498	5.705	5.820	5.781	5.583	5.821	5.795	5.730	5.790	5.961	6.109		
1426008	a	at	Slc7a2	M62838	Mm.4676	8	6.021	5.509	5.740	5.662	5.562	5.804	5.802	5.567	5.728	5.689	5.847	5.609	5.806	5.841	5.711	5.753	5.438	5.681	5.870	5.912	5.522	5.465	5.705		
1426009	a	at	Pip5k1a	BC003763	Mm.296409	3	8.678	8.457	8.479	8.535	8.464	8.470	8.611	8.434	8.463	8.419	8.674	8.403	8.463	8.600	8.704	8.682	8.346	8.402	8.479	8.587	8.365	8.363	8.503	8.448	
1426010	a	at	Epn4.1i3	AF171746	Mm.311135	17	7.146	6.994	7.014	7.057	7.089	7.098	7.137	7.131	7.274	7.131	7.121	7.068	7.291	7.071	7.227	6.957	7.147	6.988	7.246	7.347	6.833	6.690	7.139	6.896	
1426011	a	at	Gonbp2	AB064543	Mm.356653	11	10.613	10.406	10.601	10.647	10.609	10.664	10.407	10.487	10.385	10.517	10.289	10.623	10.616	10.489	10.659	10.726	10.752	10.696	10.506	10.565	10.613	10.847	10.734	10.720	
1426012	a	at	Z610301G19Rik	BC010499	Mm.218284	14	8.865	8.935	8.881	8.918	8.832	8.862	8.971	8.935	8.836	8.753	8.840	8.772	8.690	8.957	8.782	8.792	8.569	8.847	8.982	8.971	8.733	8.632	8.831	8.811	
1426013	s	at	Plekha4	BC020461	Mm.274158	7	7.614	8.038	7.389	7.663	7.855	7.688	7.575	8.058	8.143	8.177	7.765	8.369	8.197	8.008	7.588	7.541	7.507	7.628	7.443	6.968	7.448	7.483	7.318	7.258	
1426014	a	at	Mupcdh	AF462391	Mm.29080	7	7.211	6.902	7.075	7.234	7.123	6.972	6.972	7.206	7.108	6.970	7.133	6.846	6.868	7.134	7.044	7.127	7.105	7.111	7.108	7.259	7.276	6.964	7.115	7.130	
1426015	s	at	Asph	AF302653	Mm.239247	4	10.532	10.278	10.640	10.233	10.357	10.603	10.566	10.515	9.489	10.017	10.127	10.579	10.491	10.109	10.507	10.539	10.412	10.516	10.528	10.511	10.374	10.434	10.382	10.705	
1426016	a	at	Tro	AF288606	Mm.3597	X	6.888	7.477	7.097	6.991	7.222	7.043	7.102	7.213	7.463	7.169	7.152	7.201	7.334	7.355	7.233	6.756	6.861	6.957	7.228	7.014	7.185	7.058	7.104	6.827	
1426017	a	at	061001114Rik	BC020112	Mm.253648	2	8.339	8.607	8.665	8.626	8.748	8.540	8.451	8.220	8.328	8.411	8.319	8.509	8.385	8.600	8.568	8.641	8.452	8.588	8.577	8.695	8.559	8.451	8.698	8.586	
1426018	a	at	Sox6	D01689	Mm.323365	7	5.156	5.880	5.284	5.451	5.534	5.299	5.498	5.417	5.707	5.740	5.577	5.773	5.431	5.271	5.495	5.380	5.498	5.680	5.278	5.108	5.064	5.240	5.452	5.327	
1426019	a	at	Piaa	M57958	Mm.22724	4	6.447	6.218	6.339	6.415	6.122	6.467	6.446	6.357	6.285	6.265	6.351	6.312	6.360	6.443	6.272	6.490	6.318	6.246	6.513	6.377	6.611	6.262	6.485	6.335	
1426020	at		Tmpo	U39073	Mm.159684	10	5.856	5.788	5.912	5.977	5.813	6.115	6.127	6.014	5.998	5.879	6.071	5.836	5.846	5.881	6.063	5.947	5.809	5.888	5.903	6.052	5.793	5.859	5.862	5.947	
1426021	a	at	Cdc7	AB018576	Mm.20842	5	6.963	6.850	6.971	6.914	6.845	6.717	7.003	6.884	6.727	6.838	6.991	6.903	6.860	6.885	6.728	7.109	6.798	6.800	6.914	6.972	6.815	6.913	7.030	6.932	
1426022	a	at	Vill	BC021808	Mm.83817	9	6.872	7.210	7.010	6.980	6.956	6.789	6.890	6.821	6.962	6.891	6.956	6.863	6.928	7.018	6.892	6.913	6.803	6.829	6.783	7.042	6.890	6.752	6.673	6.941	
1426023	a	at	Rabep1	AF248489	Mm.7087	11	5.708	5.760	5.662	5.821	5.803	5.447	5.469	5.708	5.692	5.783	5.685	6.083	5.607	5.772	5.617	5.745	5.599	5.400	5.560	5.402	5.692	5.766	5.615	5.582	
1426024	a	at	Dbn1	AF187147	Mm.19016	13	7.903	8.640	7.534	7.567	8.246	7.671	7.442	8.081	8.738	8.655	8.894	8.721	8.652	8.571	8.555	7.651	7.272	7.582	7.564	7.710	7.473	7.319	8.015	7.702	
1426025	s	at	Laprm5	U29539	Mm.271868	4	9.828	11.139	9.438	10.012	10.464	9.875	9.941	9.949	11.264	10.856	10.154	10.444	10.496	10.826	9.922	9.546	9.330	9.372	9.444	9.120	9.278	9.549	9.099	9.310	
1426026	at		Prip6	BC025030	Mm.292001	2	7.556	7.379	7.585	7.557	7.407	7.341	7.646	7.463	7.506	7.398	7.497	7.397	7.249	7.239	7.519	7.537	7.379	7.448	7.368	7.355	7.487	7.320	7.590	7.570	
1426027	a	at	Arhaqp10	AF297029	Mm.165974	8	7.868	7.655	7.843	7.877	7.976	7.931	7.821	7.596	7.644	7.897	7.788	7.591	7.697	7.617	7.759	7.995	7.728	7.812	7.976	7.973	7.954	7.338	7.077	8.100	
1426028	a	at	Cit	AF086823	Mm.8321	5	6.267	6.687	6.106	6.021	6.186	6.223	6.308	6.400	6.243	6.128	6.431	6.117	6.263	6.364	6.163	6.240	6.273	6.376	6.314	6.253	6.120	6.355	6.267	6.159	
1426029	a	at	Nfat5	AF228706	Mm.390057	8	4.722	4.194	4.456	4.334	4.502	4.424	4.349	4.440	4.238	4.288	4.470	4.317	4.355	4.367	4.310	4.417	4.426	4.519	4.573	4.382	4.585	4.240	4.385	4.398	
1426030	a	at	Apeh	BC025494	Mm.219639	9	9.860	9.873	9.933	10.015	10.051	9.882	9.819	9.755	9.809	9.994	9.798	10.096	10.075	9.836	9.897	9.987	9.936	10.071	10.187	10.203	9.973	9.797	9.862	10.048	
1426031	a	at	Nfatc2	AF289078	Mm.116802	2	7.185	6.813	6.940	7.214	7.162	6.994	7.144	7.493	6.893	7.276	7.381	7.493	7.313	6.674	7.432	6.810	7.416	7.432	6.912	6.848	7.574	7.925	7.117	7.167	
1426032	at		Nfatc2	AF289078	Mm.116802	2	10.014	9.570	9.869	10.069	9.966	10.077	10.023	10.344	9.968	10.101	10.267	10.385	10.179	9.829	10.236	9.717	10.060	10.233	9.758	9.953	10.368	10.366	10.057	9.929	
1426033	a	at	Rarg	AF001462	Mm.391695	11	6.980	5.987	5.922	6.069	6.049	6.088	6.049	5.970	6.066	5.970	6.065	5.983	5.996	6.018	5.983	6.018	5.948	6.021	5.984	6.021	5.986	6.021	5.996	6.021	
1426034	a	at	Rarg	AF005936	Mm.391013	17	7.727	7.388	7.476	7.625	7.430	7.377	7.601	7.389	7.544	7.517	7.456	7.587	7.456	7.587	7.456	7.587	7.581	7.497	7.545	7.392	7.586	7.442	7.482	7.482	
1426035	at		RP23-433P19.11	BC026459	Mm.459165	2	7.149	7.044	7.215	7.189	7.091	6.062	7.141	7.163	7.088	7.151	7.179	6.904	7.327	7.154	7.023	7.131	7.106	7.384	7.071	7.346	7.293	7.079	7.221	7.183	
1426036	a	at	Pde1c	Mm.5145	6	4.817	5.233	4.969	5.091	4.874	5.141	4.989	5.019	4.777	4.564	4.749	4.983	4.956	4.738	4.810	4.936	5.402	5.106	5.202	4.993	5.214	5.132	5.060	5.069		
1426037	a	at	Rgs16	U94828	Mm.181709	1	5.312	5.861	5.294	5.058	5.185	4.945	5.148	5.139	5.575	5.982	7.257	5.289	5.415	5.256	5.290	4.976	4.727	4.713	4.817	4.985	4.929	4.366	5.080	4.864	
1426038	a	at	NA	AF104984	NA	NA	6.616	6.191	6.414	6.240	6.329	6.195	6.468	6.500	6.579	6.136	6.231	6.299	6.357	6.438	6.356	6.361	6.405	6.456	6.387	6.495	6.463	6.369	6.254	6.305	
1426039	a	at	Alol12e	U39200	Mm.274093	11	7.960	7.808	7.820	7.924	8.016	7.993	7.937	7.896	7.936	7.814	7.859	7.784	7.966	8.173	7.771	7.993	8.083	7.844	7.987	7.953	8.174	7.898	7.852	7.884	
1426040	a	at	Od2	AF009068	Mm.330116	2	5.267	5.494	5.416	5.157	5.358	5.109	5.347	5.309	5.467	5.576	5.220	5.576	5.302	5.513	5.237	5.183	5.215	5.139	5.208	5.288	5.328	5.472	5.392	5.208	
1426041	a	at	Od2	AF009068	Mm.330116	12	6.850	5.392	5.852	6.236	5.409	6.201	5.821	6.036	5.836	5.948	5.950	5.843	5.956	5.929	5.519	5.325	6.193	5.908	5.965	5.908	5.965	5.908	5.965	6.028	
1426042	at		Fod4	AF402162	Mm.256131	16	4.725	4.716	4.686	4.568	4.688	4.479	4.799	4.619	4.576	4.622	4.730	4.289	4.555	4.719	4.511	4.579	4.933	4.415	4.671	4.719	4.448	4.346	4.647	4.473	
1426043	a	at	Capn3	AF127766	Mm.195877	2	6.691	5.929	6.879	6.451	6.124	5.984	6.262	6.137	5.354	5.605	6.014	5.863	5.796	5.803	5.812	6.866	5.719	5.773	6.158	5.932	6.143	5.978	5.519	6.004	
1426044	a	at	Krcn4	AB062122	Mm.239993	2	8.499	8.275	8.305	8.364	8.284	8.248	8.082	8.308	8.076	8.110	8.255	8.318	8.139	8.097	8.262	8.301	8.337	8.335	8.161	8.363	8.299	8.530	8.254	8.271	
1426045	at		Pnk1	D84435	Mm.2160	16	7.116	6.556	6.936	6.794	6.565	6.898	6.872	6.846	6.601	6.715	6.889	6.849	6.694	6.775	7.041	6.817	6.759	6.899	6.877	7.157	7.169	6.782	6.699	7.033	
1426046	a	at	Rabqa2a	BC012214	Mm.87216	14	9.126	9.404	9.112	9.209	9.303	9.191	9.311	9.067	9.210	9.317	9.018	9.238	9.146	9.093	9.088	9.176	9.316	9.146	9.424	9.295	9.227	9.317	9.222	9.061	9.191
1426047	a	at	Ptpr																												

1426096	a	at	Prmt7	BC012845	Mm.251804	8	6.455	5.940	6.323	6.393	6.213	6.325	6.322	6.292	6.235	6.251	6.329	6.371	6.290	6.309	6.368	6.290	6.459	6.363	6.407	6.509	6.527	6.255	6.454	6.294	
1426097	a	at	Ccdc106	BC018462	Mm.475891	7	6.283	6.115	6.138	6.066	6.193	6.019	6.098	6.240	6.310	6.201	6.157	6.092	6.182	6.100	6.037	5.995	6.248	6.048	6.070	6.143	6.099	6.222	6.178	6.171	
1426098	a	at	Cast	AF190152	Mm.29163	13	9.576	9.553	9.362	9.186	9.273	9.389	9.266	9.389	9.635	9.969	9.519	9.740	9.443	9.632	9.547	9.500	9.156	9.082	9.350	9.264	9.169	9.027	9.242	9.540	
1426099	a	at	Hrn4	AF358859	Mm.207073	18	5.990	5.840	6.062	6.040	6.831	5.739	5.804	5.619	6.185	6.046	5.940	5.718	5.783	5.902	5.931	6.191	5.924	5.996	5.877	5.827	5.959	5.961	5.914	5.848	
1426100	a	at	Tk2	Mm.183110	NA	8	7.531	7.739	7.379	7.657	7.813	7.664	7.465	7.539	8.001	7.884	7.550	7.857	7.942	7.699	7.522	7.984	7.744	7.725	7.981	7.725	7.801	7.416	7.309		
1426101	a	at	NA	D00570	NA	NA	5.154	5.040	5.142	5.006	5.019	5.174	5.229	5.053	4.955	4.928	5.093	4.897	4.970	5.022	5.210	5.219	5.064	5.226	5.150	5.004	5.353	4.714	5.135	5.421	
1426102	a	at	Cyp21i3	BC016446	Mm.268175	4	5.337	5.252	5.521	5.284	5.406	5.533	5.275	5.538	5.412	5.382	5.413	5.337	5.415	5.463	5.544	5.401	5.383	5.505	5.266	5.317	5.426	5.513	5.302	5.263	5.486
1426103	a	at	Esr2	AY054413	Mm.2561	12	6.344	5.881	6.267	6.264	6.037	6.200	6.128	6.277	6.242	6.056	6.073	6.062	6.006	6.062	5.987	5.990	6.138	6.267	6.129	6.177	6.277	6.203	6.478	6.192	
1426104	a	at	Mapk14	AF128892	Mm.311337	17	6.356	6.033	6.421	6.235	6.117	5.919	6.262	6.112	6.121	5.996	6.334	5.891	6.006	6.121	6.071	6.424	6.345	6.073	5.985	6.048	6.255	6.185	6.406	6.163	
1426105	a	at	Ubxn11	BC019461	Mm.280209	4	7.866	7.747	8.037	7.759	7.986	7.971	7.952	7.934	7.862	7.715	7.880	7.895	7.910	7.966	7.868	7.911	7.933	8.073	8.111	8.145	8.105	7.936	8.042	8.009	
1426106	a	at	Svt6	AB026810	Mm.88818	3	6.476	6.227	6.333	6.291	6.126	6.203	6.297	6.413	6.477	6.159	6.184	6.312	6.560	6.193	6.192	6.247	6.348	6.182	6.249	6.371	6.497	6.286	6.290	6.292	
1426107	a	at	Ptdm9	BC012016	Mm.215162	17	6.386	6.460	6.347	6.610	6.378	6.347	6.325	6.657	6.400	6.297	6.651	6.348	6.339	6.427	6.403	6.442	6.394	6.309	6.406	6.602	6.533	6.433	6.386	6.363	
1426108	s	at	Cacn19	AY094172	Mm.41252	11	5.539	6.305	6.066	5.757	6.365	5.692	5.729	6.389	6.360	6.401	6.195	6.619	6.305	6.071	6.255	5.804	6.126	6.067	5.828	5.930	5.955	5.974	5.718	5.833	
1426109	a	at	Slc14a2	AF258601	Mm.44154	18	8.672	8.190	8.566	8.546	8.411	8.402	8.620	8.326	8.365	8.249	8.374	8.272	8.333	8.225	8.484	8.549	8.580	8.347	8.473	8.574	8.510	8.370	8.559	8.781	
1426110	a	at	Lpar1	U48235	Mm.4772	4	6.741	7.003	6.898	6.799	7.128	6.797	6.887	6.968	6.902	6.859	6.941	7.140	7.003	6.965	6.902	6.830	6.767	6.717	6.748	6.958	6.822	6.681	6.776	6.842	
1426111	x	at	Irf3	U75840	Mm.3960	7	9.717	9.864	9.525	9.679	9.793	9.496	9.601	9.944	9.941	9.744	9.808	10.011	9.974	9.762	9.683	9.541	10.046	9.852	9.589	9.761	10.006	10.137	9.549	9.466	
1426112	a	at	Cd72	BC003824	Mm.188157	4	6.870	7.607	6.732	6.928	7.134	6.747	7.021	7.145	7.454	6.889	6.857	7.012	7.185	7.750	6.852	6.856	6.688	6.459	6.779	6.745	6.876	6.590	6.381	6.505	
1426113	x	at	TcrA	U07662	Mm.213248	14	8.457	8.224	8.458	8.311	8.146	8.401	8.378	8.148	8.456	8.273	8.280	8.075	8.250	8.359	8.325	8.347	8.266	8.308	8.358	8.385	8.218	7.980	8.343	8.303	
1426114	a	at	Hnmpab	L36663	Mm.280842	11	10.923	11.288	10.734	10.989	11.335	10.972	11.046	11.323	11.397	11.062	10.903	11.290	11.240	11.058	11.171	10.732	11.195	11.059	10.964	10.739	11.306	11.293	11.051	10.971	
1426115	a	at	Kcnj9	AF130860	Mm.261168	1	5.191	4.758	5.037	5.080	4.744	5.046	5.125	4.909	4.804	4.740	4.749	4.807	4.737	4.798	4.877	4.950	5.117	4.967	4.957	5.066	4.986	4.857	4.725	5.075	
1426116	a	at	Asb18	AY057054	Mm.215164	1	6.181	5.944	6.230	5.974	5.917	6.130	6.158	5.967	5.901	5.864	6.099	5.675	5.772	5.888	5.967	6.135	5.995	6.008	6.342	6.186	5.948	5.807	6.074	6.338	
1426117	a	at	Slc19a2	AF326912	Mm.35444	1	6.516	6.375	6.379	6.384	6.373	6.530	6.521	6.559	6.554	6.503	6.612	6.743	6.518	6.431	6.710	6.692	6.285	6.531	6.720	6.625	6.730	6.412	6.609	6.690	
1426118	a	at	Tomn40	AF109918	Mm.416870	7	9.723	10.148	9.682	9.615	9.607	9.768	9.782	9.405	9.678	9.842	9.860	9.726	9.947	10.020	9.671	9.752	9.960	9.784	9.737	9.922	9.561	8.988	9.616	9.576	
1426119	a	at	Tyms-ps	M30774	Mm.391420	10	3.797	3.862	3.673	3.770	3.678	3.713	3.630	3.786	3.768	3.802	3.790	3.631	3.650	3.897	3.567	3.716	3.726	3.639	3.847	3.747	3.683	3.633	3.663	3.549	
1426120	a	at	Cd244	AF082803	Mm.2299	1	6.585	6.628	6.504	6.544	6.393	6.514	6.717	6.541	6.478	6.377	6.399	6.467	6.587	6.660	6.385	6.595	6.595	6.640	6.807	6.735	6.618	6.394	6.486	6.563	
1426121	a	at	Mrapa3	AY042193	Mm.240142	7	6.337	7.579	8.290	8.388	8.204	8.227	8.301	8.076	8.172	7.995	8.379	8.054	8.143	8.075	8.081	8.142	8.117	8.088	8.404	8.565	8.395	8.135	8.383	8.202	
1426122	a	at	Kcnj16	BC003485	Mm.396119	11	8.077	8.272	8.281	8.165	8.165	8.164	8.164	8.278	8.579	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.088	8.155	
1426123	a	at	Rtrb1	AF273661	Mm.170175	7	6.868	8.800	7.297	7.155	7.287	7.389	7.397	7.490	7.288	7.891	7.387	7.658	7.758	7.722	7.936	7.914	7.127	7.215	7.127	7.125	7.125	7.125	7.055	7.568	
1426124	a	at	Ckl1	U21209	Mm.1761	1	11.039	10.514	11.055	10.869	10.822	11.149	10.843	10.498	10.316	10.559	10.367	10.655	10.422	10.561	11.009	10.952	10.723	10.597	10.565	10.794	10.896	11.282	10.967	10.794	
1426125	a	at	Casp9	AB019601	Mm.88829	4	6.864	6.873	6.711	6.937	6.913	6.644	6.722	6.672	6.705	6.980	6.903	6.793	6.942	6.922	6.803	6.861	6.911	6.763	6.904	6.788	6.814	6.786	6.783	6.820	
1426126	a	at	Tmem149	BC019733	Mm.333757	7	8.641	8.474	8.453	8.735	8.751	8.446	8.540	8.626	8.760	8.550	8.583	8.511	8.797	8.525	8.523	8.650	8.621	8.572	8.602	8.665	8.612	8.447	8.664	8.610	
1426127	x	at	Klra18	AF288377	Mm.333431	6	6.535	6.657	6.456	6.660	6.903	6.672	6.537	6.435	7.166	7.374	6.959	6.456	7.141	6.829	7.018	6.487	6.502	6.400	6.498	6.720	6.399	5.997	6.538	6.442	
1426128	a	at	Kcnj2	AB005002	Mm.40615	2	7.708	7.667	7.510	7.739	7.614	7.467	7.775	7.712	7.745	7.627	7.611	7.517	7.531	7.644	7.529	7.384	7.681	7.705	7.487	7.605	7.853	7.728	7.572	7.635	
1426129	a	at	Brrm1	BC003485	Mm.396119	19	7.396	7.046	7.262	7.243	7.317	7.182	7.380	7.332	7.404	7.255	7.286	7.115	7.325	7.415	7.275	7.289	7.128	7.112	7.177	7.481	7.219	7.158	7.398	7.425	
1426130	a	at	NA	Mm.45124	NA	10	8.250	9.970	6.019	6.102	6.020	6.098	6.121	6.532	6.584	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	6.540	
1426131	a	at	NA	AB047758	Mm.200587	9	8.133	7.935	8.302	8.252	7.946	8.303	8.300	8.211	7.785	7.893	8.246	7.966	8.038	8.137	8.238	8.229	8.279	8.354	8.316	8.406	8.258	8.186	8.344	8.275	
1426132	a	at	L700036D21Rik	U59490	NA	NA	4.427	4.341	4.351	4.406	4.401	4.363	4.426	4.524	4.412	4.431	4.513	4.516	4.475	4.436	4.471	4.518	4.435	4.490	4.435	4.490	4.436	4.495	4.192	4.253	4.453
1426133	a	at	Mtd1	BC020137	Mm.63984	1	6.371	6.805	6.193	6.404	6.422	6.531	6.724	6.626	6.641	6.710	6.596	6.422	6.430	6.675	6.627	6.176	6.508	6.329	6.416	6.208	6.191	6.168	6.547	6.162	
1426134	a	at	Trdn	AF223415	Mm.338508	10	9.170	8.540	9.000	9.072	9.043	8.846	9.009	9.556	8.843	8.594	8.294	9.360	8.845	8.075	8.910	8.862	9.882	9.379	8.864	8.706	9.872	10.348	9.084	9.097	
1426135	a	at	ParK2	AF250295	Mm.311110	17	5.137	5.231	5.451	5.330	5.515	5.395	5.343	5.549	5.376	5.286	5.225	5.328	5.183	5.277	5.305	5.328	5.458	5.367	5.482	5.231	5.460	5.355	5.437	5.557	
1426136	x	at	Klra21	AF288380</																											

1426185	at	Cacna2d2	AF247140	Mm.273084	9	4.897	4.701	4.623	4.674	4.684	4.870	4.708	4.908	4.761	4.620	4.795	4.545	4.682	4.835	4.632	4.610	4.849	4.712	4.700	5.094	4.867	4.737	4.711	4.740	
1426186	a	Fgf5	AB016516	Mm.5055	5	6.110	5.902	6.232	6.063	6.160	6.210	6.403	6.151	6.232	5.840	6.259	6.079	6.043	6.163	6.139	6.237	6.057	5.996	6.249	6.226	6.311	6.105	6.381	6.169	
1426187	a	Hav1	AF465243	Mm.256035	3	10.198	10.630	10.080	10.173	10.246	10.140	10.222	10.016	10.362	10.157	10.427	10.431	10.308	10.254	10.503	10.236	10.086	10.295	10.220	10.311	10.209	10.156	10.010	10.012	10.086
1426188	s	BC005685	D44443	NA	4	6.265	6.099	6.219	6.106	6.090	6.214	6.248	6.216	6.151	6.153	6.199	6.160	6.204	6.232	6.219	5.930	6.040	6.204	6.017	6.171	6.171	6.016	5.985	6.228	6.263
1426189	at	Dusp15	AF357887	Mm.234987	2	6.321	5.899	6.216	6.156	6.174	6.267	6.159	6.289	6.253	6.171	6.192	6.299	6.113	6.182	6.159	6.307	6.438	6.389	6.298	6.221	6.268	6.380	6.225	6.277	
1426190	at	Avpr2	AF069744	Mm.348794	7	7.906	7.587	7.647	7.788	7.679	7.677	7.830	7.780	7.499	7.730	7.652	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730	7.730
1426191	a	Bcl2l1	U10100	Mm.238213	2	6.436	6.356	6.135	6.264	6.179	6.297	6.231	6.160	6.074	6.202	6.087	6.177	6.059	6.078	6.266	6.277	6.267	6.215	6.140	6.188	6.358	6.189	6.234	6.550	
1426192	at	Smardc2	M60510	Mm.21772	11	7.109	6.905	6.864	6.864	6.918	7.116	6.875	6.958	6.920	6.870	6.886	6.815	6.902	6.865	7.044	6.931	6.797	6.886	6.882	7.062	6.916	6.842	6.982	7.151	
1426193	at	Otos	AY078071	Mm.219545	1	5.977	5.859	5.951	6.161	5.873	5.959	5.952	5.898	6.197	5.829	5.969	5.798	6.093	5.893	5.969	6.145	5.819	5.910	6.109	5.912	5.836	6.112	5.983	5.927	
1426194	x	Rev3l	AF083465	Mm.439723	10	4.191	4.019	4.095	4.211	4.098	3.951	4.193	4.099	3.890	4.226	4.124	3.956	3.871	4.110	4.070	4.085	4.067	4.201	4.160	4.000	4.091	4.048	4.030	4.211	
1426195	a	Cst3	AF483486	Mm.4263	2	12.808	12.866	12.719	12.647	13.255	12.574	12.569	13.314	13.307	13.173	12.726	13.786	13.842	12.824	13.300	12.734	13.173	12.888	12.813	12.461	12.919	13.312	12.216	12.301	
1426196	at	Ihh-6	D84069	Mm.304472	12	5.294	4.742	5.227	5.128	4.893	5.005	5.011	5.073	4.696	4.796	4.470	4.601	4.924	4.941	4.992	5.137	5.028	4.908	5.230	5.425	4.972	4.897	5.029	5.242	
1426197	at	LOC100048770	AY058907	Mm.390493	12	4.385	4.093	4.312	4.225	4.030	4.079	4.316	4.275	4.093	4.080	4.255	4.045	4.224	4.262	4.179	4.292	4.108	4.299	4.297	4.206	4.435	4.336	4.179	4.100	
1426198	at	LOC100048770	AY058909	NA	Un	3.974	3.863	3.827	3.924	3.858	3.816	3.872	4.027	3.829	3.755	4.024	3.958	3.881	3.890	3.872	3.925	3.850	3.820	4.015	4.024	3.837	3.888	3.893	3.805	
1426199	x	LOC100048770	AY058909	NA	Un	4.132	3.975	4.108	3.980	3.932	3.943	4.298	3.884	4.029	4.048	4.113	3.842	3.978	3.958	4.010	4.064	4.231	4.008	4.068	4.015	3.979	3.878	4.071	4.184	
1426200	at	Lqk-V1	AY058910	Mm.333124	6	5.771	5.579	5.682	5.720	5.706	5.771	5.895	5.718	5.836	5.403	5.573	5.693	5.718	5.544	5.578	5.584	5.773	5.748	5.720	5.859	5.694	5.561	5.549	5.651	
1426201	at	Hm1499	AY058906	Mm.305352	6	5.249	5.334	5.407	5.203	5.270	5.490	5.430	5.408	5.240	5.275	5.481	5.340	5.256	5.130	5.400	5.408	5.309	5.426	5.320	5.461	5.472	5.343	5.334	5.558	
1426202	at	G2-Ea	M26296	Mm.15680	17	4.593	4.503	4.573	4.536	4.476	4.532	4.516	4.428	4.510	4.490	4.473	4.544	4.574	4.424	4.443	4.426	4.560	4.506	4.430	4.583	4.499	4.541	4.553	4.433	
1426203	at	Krtap16-4	AF345294	Mm.196689	16	6.141	5.770	5.987	6.035	5.892	5.829	6.141	6.044	5.665	5.717	6.074	6.158	5.923	5.966	5.939	5.962	6.016	5.868	5.988	6.089	6.055	6.110	6.268	6.069	
1426204	a	Oop1	AF043276	Mm.285075	2	3.778	3.910	3.854	3.891	3.885	3.930	3.893	3.885	3.946	3.909	3.864	3.824	3.850	3.836	3.845	3.869	3.899	3.931	3.895	4.141	3.805	3.982	3.885	3.900	
1426205	at	Ptnl1cb	Mm.241931	5	12.658	12.358	12.884	12.663	12.376	12.646	12.736	11.970	12.308	12.809	12.119	12.302	12.078	12.380	12.798	12.754	11.831	12.364	12.471	12.583	12.106	12.432	12.903	13.057	13.057	
1426206	at	Robo4	BC020129	Mm.293315	9	9.168	9.270	8.979	9.212	9.282	9.085	9.039	9.529	9.181	9.280	9.741	9.367	9.383	9.241	9.526	9.114	9.160	9.228	9.000	9.338	9.444	9.474	9.951	9.350	
1426207	at	Ikkbk	AF088910	Mm.277886	8	9.592	10.037	9.848	9.766	9.914	9.816	9.661	10.060	10.119	10.040	9.756	10.136	9.954	9.985	9.846	9.754	9.730	9.648	9.555	9.535	9.663	10.041	9.680	9.539	
1426208	x	Plagl1	AF147785	Mm.287157	10	10.045	10.439	10.692	9.797	9.887	10.318	9.630	9.219	10.581	10.667	9.881	9.568	10.239	10.231	10.248	10.709	10.360	10.020	11.086	10.210	9.726	9.919	9.964	9.970	
1426209	at	Strn4	AF141080	Mm.218152	7	7.055	10.134	9.890	10.051	10.281	10.004	10.105	10.086	10.159	10.147	10.213	10.283	10.139	10.094	10.044	9.949	10.161	10.289	10.068	10.023	10.135	10.032	10.162	9.870	
1426210	x	Parp3	BC014870	Mm.273659	9	8.890	8.525	8.439	8.522	8.515	8.413	9.071	8.811	8.323	8.329	8.355	9.330	8.846	8.649	8.009	8.003	8.074	8.074	7.666	7.048	8.144	8.551	7.273	7.425	
1426211	at	Tmem161a	Mm.234987	Mm.234987	8	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	7.237	
1426212	s	BC021368	Mm.234987	Mm.234987	9	8.849	8.879	8.581	8.468	8.684	8.422	8.624	8.810	8.761	8.798	8.483	8.799	8.483	8.799	8.483	8.799	8.483	8.799	8.483	8.799	8.483	8.799	8.483	8.799	
1426213	at	Imp4	AF334609	Mm.289667	1	9.118	9.560	9.133	9.078	9.090	9.088	9.063	9.206	9.499	9.374	9.328	9.213	9.203	9.439	8.890	9.084	9.130	9.188	9.042	9.027	9.041	9.211	9.000	9.018	
1426214	at	Imp4	AF334609	Mm.289667	1	6.958	6.972	7.300	7.137	7.210	7.131	7.229	7.144	6.928	7.034	7.042	7.095	7.053	6.932	7.121	7.211	7.551	7.204	6.902	7.173	7.349	7.110	7.247	7.016	
1426215	at	Ddc	AF071068	Mm.12906	11	7.771	8.008	7.527	7.686	6.831	7.908	8.558	7.758	6.968	7.370	6.702	6.769	6.952	6.930	7.979	7.384	8.341	8.561	8.635	8.019	7.706	8.212	7.867	7.560	
1426216	at	Co6b	BC025427	Mm.249548	3	11.216	10.781	11.383	11.277	10.963	11.156	10.975	10.629	10.471	10.800	10.795	10.729	10.670	10.641	11.025	11.331	10.853	10.754	11.076	11.220	10.917	10.836	11.113	11.164	
1426217	at	Tmem216	AF332866	Mm.31236	19	6.371	6.884	6.625	6.760	6.686	6.734	6.443	6.805	6.830	6.687	6.670	6.730	6.814	6.762	6.499	6.639	6.799	6.884	6.818	6.570	6.705	6.686	6.452	6.510	
1426218	at	Gcl1	AA152997	Mm.210787	6	5.822	5.645	5.741	5.752	5.536	5.764	5.654	5.731	5.699	5.762	5.399	5.705	5.664	5.742	5.872	5.538	5.940	6.119	5.924	5.788	5.958	6.020	5.476	5.564	
1426219	at	Scn1b	BC021199	Mm.227014	3	12.270	12.026	12.655	12.449	12.061	12.733	12.247	11.813	11.983	11.375	11.847	11.943	12.051	11.934	12.044	12.454	12.051	12.338	12.248	12.275	12.327	12.292	12.298	12.337	
1426220	at	4930471M23Rik	BC019457	Mm.247985	5	8.812	9.393	8.585	8.611	8.873	8.775	8.838	8.809	9.158	9.094	8.857	8.969	8.922	9.286	8.719	8.670	8.815	9.075	9.116	8.596	8.638	8.489	8.496	8.542	
1426221	at	Vwa5a	BC001927	Mm.290950	9	10.114	10.683	10.364	10.142	10.409	10.493	10.642	10.150	10.858	11.042	10.377	10.713	10.821	10.838	10.660	10.367	9.801	9.911	10.200	10.140	9.882	9.927	10.038	10.030	
1426222	s	Vwa5a	BC004727	Mm.290950	9	6.139	6.542	6.387	5.951	6.076	6.189	6.112	6.170	6.278	6.496	6.240	5.817	6.276	6.199	6.201	6.401	5.890	6.042	6.131	6.094	6.192	6.561	6.222	6.156	
1426223	at	Vt1c39c	BC020021	Mm.552526	18	7.214	7.160	7.146	7.263	7.176	7.260	7.501	7.148	7.378	7.381	7.440	7.275	7.120	7.519	7.170	7.237	7.430	7.077	7.137	7.255	7.245	7.305	7.259	7.394	
1426224	x	Klf1	AF401531	Mm.269219	8	3.882	3.966	3.993	4.038	3.898	3.875	3.918	3.884	3.793	3.925	3.876	3.937	3.872	4.048	3.860	3.948	4.006	3.981	3.938	3.978	3.922	3.988	3.889	3.895	
1426225	at	Rbp4	U63146	Mm.2605	19	7.2																								

1426274	at	Slc9a8	AF482993	Mm.278924	2	6.881	6.861	6.516	6.445	6.438	6.707	6.729	6.553	6.888	6.623	6.561	6.289	6.559	6.554	6.569	6.760	6.722	6.687	6.793	6.778	6.756	6.645	6.436	6.804	
1426275	a at	Uxs1	AA203925	Mm.387202	1	7.973	8.790	7.853	7.787	7.938	7.938	8.108	7.938	8.415	8.305	8.203	7.970	7.927	8.217	8.053	7.874	7.384	7.872	7.909	7.850	7.598	7.678	7.689	7.745	
1426276	at	Ifih1	AY075132	Mm.136224	2	8.258	8.849	8.395	8.257	8.389	8.588	9.398	8.372	8.521	8.633	8.638	8.528	8.478	8.746	8.421	8.375	8.280	8.209	8.375	8.372	8.233	8.372	8.460	8.464	
1426277	at	C730025P13Rik	BC022606	Mm.213925	2	8.577	9.028	8.572	8.561	8.886	8.590	8.772	8.974	8.271	8.996	8.651	9.085	9.142	8.747	8.546	8.560	9.209	9.327	9.022	8.726	9.046	9.134	8.942	8.598	
1426278	at	H2	AV090989	Mm.271275	12	8.817	10.469	9.059	9.214	9.227	9.082	9.449	10.515	9.857	9.182	9.682	9.416	9.282	9.736	8.828	8.888	9.111	9.007	8.976	8.199	8.788	9.355	8.155	8.590	
1426279	at	SV80415L20Rik	BC027051	Mm.240265	5	9.546	9.408	9.500	9.258	9.375	9.977	9.574	9.364	9.398	9.281	9.507	9.382	9.436	9.431	9.283	9.513	9.326	9.364	9.118	9.257	9.293	9.468	9.020	9.460	
1426280	at	AF424701	Mm.138090	11	6.331	6.371	6.540	6.184	6.348	6.054	6.356	6.274	6.504	6.561	6.364	6.605	6.719	6.363	6.552	6.315	6.450	6.393	6.386	6.183	6.261	6.203	5.979	6.306		
1426281	at	Catsper1	AF407332	Mm.87321	19	5.744	5.674	5.739	6.012	5.815	5.689	5.933	5.918	5.851	5.630	5.964	5.673	5.847	5.843	5.812	5.790	5.580	5.726	5.800	5.839	5.855	5.767	5.749	5.656	
1426282	at	Hnt	AF282980	Mm.283138	9	5.518	5.454	5.623	5.573	5.662	5.575	5.531	5.654	5.440	5.322	5.412	5.629	5.613	5.575	5.769	5.625	5.589	5.683	5.796	5.787	5.655	5.599	5.635	5.872	
1426283	at	Hnt	AF282980	Mm.283138	9	5.985	5.822	6.052	6.033	5.926	6.069	6.187	6.024	6.124	5.915	6.002	6.262	6.172	6.014	5.847	5.916	6.071	5.932	6.034	6.187	6.087	6.146	6.169	6.254	
1426284	at	Krt20	AF473907	Mm.28042	11	6.546	6.486	6.491	6.343	6.392	6.491	6.319	6.427	6.653	6.435	6.650	6.581	6.624	6.420	6.471	6.532	6.445	6.452	6.716	6.434	6.273	6.317	6.474	6.389	
1426285	at	Lama2	U12147	Mm.256087	10	10.842	10.705	10.928	11.143	11.744	11.192	10.846	11.274	11.168	11.348	11.110	11.884	11.781	10.652	11.702	10.971	11.454	11.291	11.299	11.064	11.194	11.425	10.937	11.404	
1426286	at	Noc3l	AB077991	Mm.96482	19	8.605	8.560	8.458	8.482	8.438	8.504	8.398	8.464	8.516	8.417	8.848	8.522	8.601	8.650	8.616	8.571	8.431	8.283	8.487	8.413	8.444	8.309	8.619	8.642	
1426287	at	Atxn7	AF455111	Mm.133625	14	7.944	7.886	7.821	7.862	7.727	7.800	7.931	7.986	7.655	7.605	7.713	7.651	7.624	7.807	7.768	7.842	7.841	7.839	7.757	7.817	7.929	7.928	7.927	7.856	
1426288	at	Lrp4	AF247637	Mm.275149	2	6.487	6.272	6.503	6.731	6.503	6.697	6.315	6.418	6.092	6.155	6.118	6.655	6.347	5.920	6.667	6.584	6.859	6.523	6.786	6.559	6.533	7.196	6.514	6.469	
1426289	at	Orich1	BC006738	Mm.335449	9	9.849	10.014	9.822	9.918	9.972	9.928	10.030	9.457	9.994	10.091	9.903	10.114	10.227	10.180	10.035	10.021	9.641	9.819	10.034	10.064	9.715	9.577	10.016	10.166	
1426290	at	Dimt1	AK015145	Mm.9563	13	7.066	7.324	7.014	6.934	7.005	6.819	6.946	7.275	6.817	7.073	7.316	6.986	6.924	7.091	6.986	6.914	7.135	7.049	7.129	7.051	6.968	7.155	7.005	7.188	
1426291	at	Dimt1	AK015145	Mm.9563	13	6.433	6.579	6.622	6.311	6.407	6.500	6.596	6.394	6.196	6.342	6.624	6.374	6.228	6.387	6.485	6.529	6.358	6.605	6.362	6.356	6.339	6.525	6.634	6.331	
1426292	at	Zfp790	BG068796	Mm.224766	7	8.693	8.479	8.790	8.867	8.863	8.966	8.584	8.685	8.433	8.581	8.658	8.575	8.698	8.429	8.702	8.931	8.841	8.914	9.108	8.902	8.918	8.875	8.844	8.970	
1426293	at	Zfp790	BG068796	Mm.224766	7	7.244	6.948	7.597	7.290	7.615	7.500	6.875	7.350	6.857	7.415	7.248	7.104	7.266	6.706	7.602	7.507	7.554	7.502	7.810	7.476	7.729	7.896	7.233	7.543	
1426294	at	Hapln1	AF098460	Mm.266790	13	4.071	4.080	4.007	4.090	4.061	4.225	4.022	4.074	4.055	4.011	4.020	3.977	4.231	4.144	4.149	4.086	4.054	4.072	4.202	4.058	4.045	4.063	4.209	4.164	
1426295	at	Hapln1	AF098460	Mm.266790	13	4.240	3.921	3.955	4.082	3.970	4.089	3.970	4.002	3.919	4.060	4.066	3.977	3.876	4.021	4.115	4.098	4.104	3.996	4.059	4.182	3.954	4.015	4.042	4.271	
1426296	at	Rad52	BC019123	Mm.149	6	7.422	7.479	7.411	7.372	7.586	7.423	7.257	7.650	7.318	7.490	7.801	7.433	7.242	7.155	7.419	7.225	7.359	7.288	6.906	6.880	7.343	7.669	7.417	7.317	
1426297	at	Tcf2a	AF352579	Mm.3406	10	8.554	9.191	8.379	8.800	9.029	8.624	8.546	8.833	9.041	8.910	8.833	9.210	8.989	8.827	8.714	8.371	8.906	8.947	8.602	8.572	8.669	8.762	8.319	8.257	
1426298	at	Irx2	AF295369	Mm.28888	13	7.499	7.161	7.402	7.385	6.940	7.105	7.226	7.679	6.563	7.185	6.833	7.106	6.970	8.872	7.188	7.347	8.218	7.435	7.312	7.821	7.625	7.721	7.212	7.474	
1426299	at	Snx20	BF395844	Mm.270607	8	7.599	7.964	7.451	7.553	7.609	7.440	7.590	7.691	7.807	7.744	7.780	7.712	7.847	7.724	7.365	7.502	7.705	7.459	7.507	7.554	7.629	7.663	7.375	7.327	
1426300	at	Alcam	Mm.50463	Mm.271275	16	5.463	6.069	5.322	5.305	5.492	5.678	5.558	5.498	5.688	5.568	5.498	5.688	5.568	5.498	5.688	5.568	5.498	5.688	5.568	5.498	5.688	5.568	5.498	5.688	
1426301	at	Alcam	U95030	Mm.288282	16	5.689	5.685	5.309	5.184	5.625	5.635	5.494	5.351	5.734	5.580	5.465	5.628	5.628	5.492	5.655	5.628	5.492	5.655	5.628	5.492	5.655	5.628	5.492	5.655	
1426302	at	Tmprs4	BC021368	Mm.436756	9	6.806	6.575	6.871	6.580	6.643	6.336	6.762	6.507	6.506	6.702	6.699	6.577	6.562	6.784	6.831	6.854	6.817	7.015	6.902	6.913	6.998	6.751	6.808	6.903	
1426303	at	B4gal17	BC027195	Mm.139825	13	5.477	5.579	5.399	5.403	5.364	5.235	5.226	5.524	5.836	5.560	5.214	5.437	5.550	5.514	5.410	5.244	5.384	5.463	5.388	5.364	5.552	5.446	5.231	5.394	
1426304	x at	B4gal7	BC027195	Mm.139825	13	7.339	7.844	7.500	7.469	7.614	7.343	7.536	7.683	7.874	7.659	7.548	7.753	7.559	7.650	7.473	7.559	7.585	7.824	7.531	7.338	7.425	7.488	7.353	7.183	
1426305	at	Upk1a	AF262335	Mm.25471	7	7.977	7.825	8.085	8.153	7.850	7.868	8.125	8.096	7.924	7.818	8.032	7.977	7.866	7.878	8.006	8.039	7.974	7.947	8.036	8.041	8.032	7.953	8.116	8.062	
1426306	a at	Maged2	AF319976	Mm.22575	X	8.224	9.259	8.155	8.175	8.896	8.105	7.931	8.469	9.734	9.463	8.563	9.133	9.203	9.024	8.550	8.116	8.596	8.114	8.399	8.041	8.324	8.422	7.569	7.856	
1426307	at	Cyb5r4	BC025438	Mm.30166	9	10.421	10.703	10.334	10.264	10.585	10.285	10.277	10.429	10.623	10.854	10.365	10.536	10.503	10.515	10.558	10.249	10.297	10.288	10.505	10.447	10.333	10.560	10.364	10.440	
1426308	at	Asb9	Mm.27668	Mm.27668	9	7.640	7.357	7.322	7.355	7.302	7.303	7.393	7.356	7.485	7.419	7.381	7.229	7.361	7.304	7.388	7.435	7.497	7.421	7.288	7.456	7.439	7.430	7.430	7.430	
1426309	at	Asb9	AF398970	Mm.79031	X	7.062	6.716	6.920	6.925	6.912	6.822	6.922	6.727	6.903	6.677	6.872	6.759	6.682	6.878	6.757	7.018	6.948	6.962	7.000	6.958	7.135	6.960	7.018	6.870	
1426310	at	Zdhhc5	AV241525	Mm.288508	2	8.228	8.538	8.256	8.233	8.276	8.236	8.206	7.540	8.206	8.437	8.412	8.149	8.087	8.283	8.234	8.353	7.533	8.128	8.244	8.269	7.802	7.399	8.885	8.418	
1426311	s at	Zdhhc5	AV241525	Mm.288508	2	9.351	9.549	9.598	9.355	9.390	9.303	9.367	9.088	9.312	9.493	9.450	9.358	9.377	9.442	9.470	9.471	9.025	9.356	9.358	9.443	9.071	9.050	9.420	9.588	
1426312	at	Bre	BE984258	Mm.249822	5	10.074	10.393	10.241	10.113	10.394	10.175	10.106	10.037	10.272	10.555	10.245	10.383	10.286	10.290	10.265	10.262	10.006	10.178	10.280	10.196	9.983	9.689	10.073	10.145	
1426313	at	Bre	BE984258	Mm.249822	5	7.655	7.857	7.870	7.822	7.794	7.747	7.822	7.423	7.845	8.226	7.850	7.778	7.913	7.874	7.909	7.938	7.718	7.418	7.783	7.774	7.897	7.478	7.733	7.677	7.929
1426314	at	Ednrn	BB770914	Mm.229532	14	7.043	6.859	6.942	6.799	6.788	6.747	6.950	6.916	6.665	6.612	6.680	6.741													

1426363	x	at	H2afy2	AW547431	Mm.272870	10	7.449	7.376	7.525	7.709	7.638	7.603	7.643	7.331	7.595	7.532	7.602	7.704	7.444	7.721	7.635	7.543	7.512	7.958	7.874	7.590	7.545	7.450	7.671	7.325	
1426364	at	Mrrf		AV093466	Mm.378232	2	10.374	10.325	10.077	10.344	10.282	10.336	10.317	10.481	10.292	10.128	10.318	10.207	10.219	10.175	10.019	10.167	10.720	10.592	10.446	10.391	10.519	10.726	10.269	10.297	
1426365	at	2810403A07Rik		BG064481	Mm.251800	3	9.678	9.445	9.658	9.581	9.430	9.626	9.491	9.488	9.439	9.462	9.832	9.639	9.567	9.612	9.572	9.643	9.503	9.219	9.328	9.352	9.727	10.078	9.727	9.752	
1426366	at	Elf2c2		AW553784	Mm.867705	15	9.207	9.454	9.826	9.214	9.235	9.926	9.178	9.058	9.421	9.447	9.290	9.548	9.201	9.295	9.183	9.056	8.939	9.391	9.232	9.152	8.941	9.341	9.415	9.036	9.094
1426367	at	Cab39H		AK013205	Mm.179091	14	8.189	8.947	9.235	8.060	8.887	9.360	8.230	8.982	8.932	8.792	8.885	8.952	8.962	8.975	9.122	9.061	9.231	8.984	8.988	9.258	9.142	9.951	9.850	9.140	9.374
1426368	at	Rin2		AK014548	Mm.433263	2	7.875	8.212	7.886	8.066	8.275	8.795	8.393	8.026	8.181	8.795	8.809	8.570	8.899	9.174	8.318	8.923	8.182	8.490	8.291	8.579	8.394	8.304	8.231	8.166	8.262
1426369	at	Far1		BG094874	Mm.206919	7	8.068	9.117	8.122	8.108	8.293	8.467	8.195	8.199	8.847	9.039	8.577	8.483	8.455	8.936	8.449	8.233	7.726	7.760	7.865	7.933	7.797	8.130	8.359	7.983	
1426370	at	Far1		BG094874	Mm.206919	7	6.571	7.723	6.539	6.417	6.934	6.771	6.799	6.941	6.663	7.662	7.192	6.831	7.280	7.569	6.958	6.727	6.654	6.520	6.584	6.219	6.624	6.731	6.794	6.664	
1426371	at	Far1		BG094874	Mm.206919	7	8.461	9.429	8.401	8.393	8.649	8.550	8.432	8.909	8.993	9.128	8.719	8.778	8.657	9.021	8.769	8.415	8.206	8.331	8.206	8.234	8.197	8.606	8.697	8.319	
1426372	a	at	Kit1	BE686988	Mm.155696	7	8.080	8.437	8.170	8.274	8.484	8.209	8.141	8.633	8.720	8.520	8.503	8.825	8.599	8.578	8.518	8.180	8.604	8.677	8.564	8.304	8.575	8.606	8.377	8.360	
1426373	at	Bell		AK019148	Mm.28520	4	9.971	10.180	9.912	10.095	10.284	9.919	9.814	9.903	10.284	10.103	10.169	10.222	10.366	10.128	10.241	10.004	9.568	9.773	9.629	9.632	9.853	9.846	10.087	10.003	
1426374	at	Z410166I05Rik		AK010825	Mm.30153	4	11.411	11.327	11.372	11.380	11.423	11.393	11.364	11.160	11.221	11.298	11.257	11.205	11.279	11.092	11.230	11.411	11.353	11.529	11.540	11.554	11.334	11.228	11.389	11.421	
1426375	s	at	Oxnad1	AV094699	Mm.202257	14	10.335	10.249	10.305	10.341	10.185	10.236	10.433	10.364	9.628	9.813	9.913	10.072	9.661	9.846	9.939	10.259	10.442	10.477	10.309	10.439	10.259	10.451	10.190	10.426	
1426376	at	Reep5		B1249075	Mm.280075	18	11.900	11.550	12.098	12.111	11.830	12.149	11.264	11.462	11.206	11.545	11.584	11.392	11.474	11.341	11.851	12.187	11.822	11.971	11.204	12.260	11.911	11.819	12.003	12.185	
1426377	at	Zfp281		AV071650	Mm.62521	1	8.512	8.440	8.555	8.183	8.200	8.408	8.619	8.279	8.292	8.654	8.633	8.417	8.518	8.451	8.666	8.534	8.325	8.291	8.431	8.331	8.521	8.494	8.733	8.729	
1426378	at	Elf4b		AW741459	Mm.290022	15	9.617	9.864	9.758	9.943	9.870	9.675	9.537	9.534	10.016	9.949	9.786	9.849	10.002	9.826	9.876	9.782	9.747	9.637	9.829	9.769	9.793	9.722	9.875	9.823	
1426379	at	Elf4b		AW741459	Mm.290022	15	9.975	9.968	9.846	9.770	9.830	9.560	9.599	9.750	10.055	10.044	9.978	10.072	10.036	9.943	9.841	9.754	10.065	10.067	10.106	9.927	9.899	9.935	9.829	9.807	
1426380	at	Elf4b		AW741459	Mm.290022	15	10.301	10.041	10.194	10.309	10.360	10.370	9.973	10.136	10.442	10.354	10.069	10.478	10.076	10.290	10.349	10.286	10.429	10.222	10.293	10.283	10.398	10.374	10.314	10.241	
1426381	at	Ppm1b		BM199989	Mm.2415	19	8.569	9.163	8.250	8.331	8.784	8.266	8.245	8.600	9.040	8.703	9.537	8.815	8.842	8.593	8.492	8.216	8.636	8.510	8.261	8.013	8.645	8.750	8.617	8.552	
1426382	at	Crv2		AJ271833	Mm.249695	17	12.047	11.568	12.038	11.690	11.780	11.775	11.940	12.131	11.747	12.083	12.079	12.107	12.035	11.744	12.085	12.021	11.601	11.704	11.870	11.708	11.789	11.913	11.949	12.140	
1426383	at	Crv2		BF303057	Mm.254181	2	8.688	8.172	7.089	8.854	8.543	9.151	8.685	7.983	7.759	8.414	8.474	8.525	8.550	8.578	9.065	9.119	8.541	8.713	8.654	8.995	8.608	8.566	9.917	9.321	
1426384	a	at	Yvhae	AK011612	Mm.234700	11	11.939	12.064	11.898	12.001	11.791	11.914	11.780	11.441	11.761	11.817	11.714	11.533	11.572	11.754	11.715	11.885	11.590	11.819	11.811	11.682	11.872	11.384	11.918	11.940	
1426385	x	at	Yvhae	AK011612	Mm.234700	11	13.312	13.502	13.292	13.445	13.292	13.432	13.224	12.826	13.253	13.232	13.264	13.012	13.096	13.379	13.154	13.355	12.975	13.184	13.278	13.287	13.158	12.723	13.363	13.280	
1426386	at	Rpl7l1		BC003907	Mm.218533	17	9.103	9.616	9.199	8.977	8.710	9.227	9.386	8.956	9.134	9.106	9.428	9.041	8.813	9.609	9.018	9.165	8.747	9.148	9.295	9.213	8.915	8.894	9.195	9.088	
1426387	x	at	49334439C20Rik	BB085906	Mm.247625	Y	9.300	9.605	9.291	9.148	9.719	9.352	9.455	9.699	9.879	9.648	9.325	9.624	9.931	9.952	9.538	9.271	9.482	9.555	9.475	9.399	9.293	9.612	9.103	8.803	
1426388	s	at	Rvk	BQ229030	Mm.335391	9	9.226	9.548	9.198	9.327	9.292	9.292	9.121	9.022	9.678	9.603	9.153	9.219	9.303	9.592	9.255	9.222	9.067	9.885	9.301	9.180	9.478	9.131	9.060	9.324	
1426389	at	Camk1d		BM199989	Mm.2415	2	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	
1426390	at	Bea4919		BE944919	Mm.371546	12	13.459	13.772	13.390	13.451	13.550	13.522	13.436	13.551	13.760	13.710	13.635	13.619	13.544	13.699	13.545	13.472	13.587	13.580	13.519	13.533	13.478	13.506	13.417		
1426391	at	Arf1		BE944919	Mm.371546	11	6.066	6.029	6.058	6.128	6.019	6.299	6.152	6.039	6.259	5.900	6.044	5.926	6.166	6.202	6.094	6.059	5.923	5.973	6.314	6.321	6.114	6.068	5.930	6.072	
1426392	a	at	Actr3	BE372352	Mm.183102	1	11.252	12.150	11.355	11.192	11.452	11.426	11.421	11.448	11.775	11.839	11.816	11.440	11.398	11.812	11.607	11.390	10.883	10.876	11.221	10.944	10.966	10.912	11.225	11.371	
1426393	a	at	Sdf4	BM198177	Mm.293517	4	9.588	9.858	9.705	9.628	9.905	9.673	9.564	9.658	9.998	10.101	9.820	10.112	10.098	9.883	9.923	9.553	9.742	9.936	9.694	9.621	9.628	9.468	9.436	9.365	
1426394	at	Elf3l		BB379268	Mm.458184	2	9.990	9.898	10.016	9.774	9.900	9.859	9.782	9.797	9.452	9.810	9.231	9.549	9.408	9.834	10.105	10.020	9.791	9.552	9.785	9.699	10.039	10.121	10.931	10.579	
1426395	s	at	Elf3l	BB379268	Mm.458184	2	8.624	8.708	8.596	8.329	8.252	8.439	8.528	8.545	8.271	8.578	8.736	8.319	8.021	8.518	8.452	8.528	8.349	8.260	8.434	8.192	8.416	8.606	8.494	8.673	
1426396	at	Cd247		AK017904	Mm.217308	1	6.702	6.266	6.567	6.713	6.393	6.525	6.762	6.499	6.480	6.338	6.555	6.455	6.631	6.654	6.522	6.511	6.782	6.428	6.570	6.849	6.604	6.646	6.553	6.664	
1426397	at	Rbm22		BM199989	Mm.2415	4	11.251	11.496	11.714	11.550	11.920	11.605	11.563	11.943	11.789	11.943	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	11.789	
1426398	at	Ube2w		BB796558	Mm.122430	1	8.089	8.723	7.899	8.018	8.282	8.042	8.024	8.300	8.876	8.640	8.289	8.475	8.520	8.359	8.248	8.122	8.044	7.944	7.863	7.923	8.230	8.234	8.037	7.972	
1426399	at	Vvva1		BB183736	Mm.26515	4	8.834	9.645	8.805	8.937	8.762	8.761	8.694	8.973	9.030	8.901	9.166	8.967	8.800	8.273	8.631	8.681	8.450	8.543	8.333	8.344	8.629	8.494	8.529	8.229	
1426400	a	at	Capns1	B1159030	Mm.439782	7	12.394	12.630	12.545	12.634	12.871	12.759	12.631	12.199	12.693	12.824	12.605	12.922	12.831	12.689	12.825	12.602	12.438	12.750	12.787	12.851	12.413	12.224	12.688	12.608	
1426401	at	Ppo3c1		BO173889	Mm.331389	3	9.650	9.621	9.765	9.625	9.912	9.833	9.804	9.254	9.483	9.727	9.618	9.567	9.680	9.639	9.692	9.674	9.473	9.650	9.752	9.642	9.511	9.509	9.699	9.701	
1426402	at	Svncr1		BB469322																											

1426452	a	at	Rab30	BG070713	Mm.389966	7	8.624	8.113	8.547	8.439	7.864	7.908	8.124	8.345	7.792	7.754	7.642	7.900	7.742	7.566	7.936	8.375	7.401	7.752	7.371	7.459	8.209	8.361	9.205	8.703
1426453	at	Pitrm1	AW763881	Mm.41933	13	9.948	9.923	10.115	10.131	9.908	10.050	9.862	9.492	9.566	9.785	9.706	9.795	9.684	9.772	9.901	10.034	10.046	9.984	9.974	9.946	9.803	9.935	10.004	10.112	
1426454	at	Arhdqib	AK002516	Mm.2241	6	9.527	10.502	9.364	9.611	9.729	9.596	9.718	10.057	10.179	9.832	9.839	9.718	9.934	10.076	9.497	9.253	9.553	9.528	9.438	9.256	9.530	9.600	9.045	9.014	
1426455	at	Scscaq10	AK014025	Mm.235398	13	7.449	7.651	7.468	7.428	7.504	7.516	7.609	7.602	7.169	7.286	7.276	7.526	7.182	7.478	7.465	7.494	7.767	7.747	7.531	7.504	7.436	7.817	7.548	7.403	
1426456	at	Plas2	BG065924	Mm.6370	18	8.300	8.908	8.746	8.584	8.753	8.984	8.750	8.981	8.765	8.811	8.828	8.943	8.800	9.787	8.927	8.688	9.201	9.096	8.852	8.944	8.927	8.939	8.928		
1426457	at	Slmap	BB473571	Mm.36769	14	12.800	12.465	12.495	12.122	12.388	12.412	12.623	12.911	12.431	12.801	12.884	12.766	12.930	12.631	13.104	12.900	12.197	11.977	12.039	12.619	12.705	12.716	13.222		
1426458	at	Slmap	BB473571	Mm.36769	14	7.272	7.521	7.003	7.588	7.154	7.235	6.945	7.482	6.856	6.894	6.888	7.141	7.026	6.427	6.988	7.588	7.233	7.588	7.400	7.294	7.280	7.417	7.672	7.277	7.393
1426459	s	at	AW549877	BG073457	Mm.21299	15	9.816	9.588	10.081	9.908	9.835	10.042	9.890	9.433	9.458	9.876	9.573	9.820	9.835	9.797	9.845	10.171	9.543	9.715	9.961	9.997	9.685	9.764	10.119	10.113
1426460	a	at	Uqp2	AI788759	Mm.28877	11	10.823	10.081	10.802	10.624	10.804	10.822	11.005	11.313	10.094	10.522	11.054	10.320	10.262	10.211	10.675	10.857	10.430	10.757	10.897	10.925	10.834	10.692	10.151	11.222
1426461	at	Uqp2	AI788759	Mm.28877	11	11.464	10.841	11.337	11.304	11.562	11.371	11.684	11.931	10.858	11.203	11.640	11.121	10.993	10.952	11.284	11.376	11.184	11.387	11.442	11.463	11.533	11.381	11.514	11.735	
1426462	at	Gphn	AA170590	Mm.341742	12	9.513	9.660	9.415	9.507	9.703	9.500	9.653	9.804	9.341	9.431	9.406	9.398	9.285	9.409	9.335	9.545	9.729	9.682	9.557	9.384	9.913	9.809	9.450	9.458	
1426463	at	Gphn	AA170590	Mm.341742	12	8.899	9.045	8.878	8.852	8.948	8.995	8.852	8.958	8.457	8.999	8.760	8.629	8.506	8.730	8.747	8.958	9.007	9.000	9.074	9.019	8.868	8.984	8.833	8.851	
1426464	at	Nrl1b1	W13191	Mm.390397	11	8.529	8.337	8.402	8.671	8.498	8.670	8.649	8.897	8.144	8.305	9.921	9.946	9.001	8.633	9.153	8.539	8.817	9.987	10.293	9.953	9.930	9.188	9.155	8.843	
1426465	at	Dlaqp4	BG066219	Mm.22094	2	8.901	10.004	8.577	8.806	9.487	8.841	8.588	8.968	8.670	8.280	9.100	9.650	9.778	9.797	9.418	9.188	8.507	9.576	9.262	8.635	8.579	9.248	9.240	8.801	8.633
1426466	s	at	Rps6k1	BB311088	Mm.44829	12	7.620	7.239	7.486	7.547	7.401	7.349	7.381	7.472	7.357	7.403	7.623	7.390	7.438	7.168	7.406	7.544	7.461	7.440	7.379	7.621	7.762	7.455	7.835	7.434
1426467	s	at	0610037L13Rik	AK002776	Mm.274853	4	8.923	9.379	8.836	8.836	8.895	8.835	8.867	9.099	9.001	9.027	8.871	9.989	8.914	8.953	8.820	8.880	8.972	9.076	8.883	8.860	8.983	8.963	8.499	8.650
1426468	at	0610037L13Rik	AK002776	Mm.274853	4	9.395	9.490	9.431	9.415	9.377	9.374	9.443	9.455	9.217	9.273	9.303	9.247	9.354	9.345	9.330	9.388	9.488	9.565	9.549	9.473	9.355	9.430	9.235	9.285	
1426469	a	at	Tbp	BG069472	Mm.244820	17	8.049	8.037	8.078	8.138	8.009	8.203	8.206	7.987	7.925	8.075	8.008	8.147	8.057	8.116	8.182	7.996	8.224	8.221	8.161	8.216	8.201	8.244	8.145	8.210
1426470	at	Tbp	BG069472	Mm.244820	17	4.905	5.012	5.105	4.948	4.915	4.965	5.193	4.913	4.803	4.989	5.019	4.908	4.848	4.905	5.003	5.089	5.123	5.007	5.013	4.955	4.997	4.899	4.996	5.116	
1426471	at	Zfp52	BM225280	Mm.296100	17	6.980	7.745	7.352	6.947	6.462	7.238	7.152	8.007	7.412	7.416	8.915	7.581	7.426	7.596	7.805	7.081	6.657	6.945	7.307	6.397	7.250	7.545	6.994	5.876	
1426472	at	Zfp52	BM225280	Mm.296100	17	5.509	5.709	5.653	5.476	5.150	5.524	5.683	5.574	5.239	5.391	6.441	5.543	5.408	5.487	5.578	5.440	5.557	5.555	5.410	5.946	5.527	5.453	5.539	4.960	4.941
1426473	at	Dnaic9	BM942465	Mm.2871	14	8.885	9.643	8.905	8.886	8.093	8.969	8.952	8.945	9.036	9.002	8.808	8.807	8.970	9.235	8.797	8.942	9.100	8.914	8.940	8.856	8.815	9.021	8.842	8.721	
1426474	at	Atpa2f	AI851949	Mm.41651	11	9.101	9.223	9.208	9.175	9.097	9.071	9.072	9.014	9.005	8.939	9.095	8.968	8.795	9.019	8.869	9.119	9.084	9.280	9.280	9.234	9.044	9.040	9.119	9.167	
1426475	at	Hmb5	AI325144	Mm.247676	9	9.920	10.646	10.017	10.113	10.234	9.943	9.967	10.010	10.215	10.138	9.912	9.806	9.771	9.823	9.722	9.947	10.482	10.404	10.373	10.279	10.287	10.129	9.836	9.943	
1426476	at	Rasa1	AA124924	Mm.259563	13	9.551	9.944	9.497	9.497	9.927	9.575	9.603	9.926	10.508	10.366	9.730	10.150	10.313	9.667	9.868	9.615	9.839	9.688	9.519	9.541	9.783	9.990	9.422	9.410	
1426477	at	Rasa1	AA124924	Mm.259563	13	9.013	9.466	9.183	9.004	9.362	9.167	9.000	9.376	9.756	9.740	9.121	9.531	9.785	9.239	9.390	9.094	9.216	9.120	9.098	9.071	8.956	9.310	8.892	8.894	
1426478	at	Rasa1	AA124924	Mm.259563	13	6.948	7.121	6.961	6.966	7.269	7.067	6.985	7.160	6.972	6.885	6.974	6.872	6.844	6.972	6.815	6.878	6.689	6.848	6.754	6.852	6.754	6.852	6.754	6.852	
1426479	a	at	Cnbp9	AK005532	Mm.240325	11	8.176	8.525	8.033	8.161	8.517	8.099	8.049	8.277	8.392	8.330	8.320	8.360	8.524	8.236	8.076	8.236	8.189	8.900	9.272	8.151	8.198	8.200	8.057	
1426480	at	Sbds	BB773592	Mm.280484	5	10.294	10.370	10.422	10.387	10.450	10.341	10.285	10.210	10.330	10.341	10.387	10.670	10.510	10.290	10.508	10.481	10.452	10.432	10.334	10.405	10.375	10.300	10.200	10.375	
1426481	at	Klhl21	BB126112	Mm.282807	16	10.158	10.455	10.215	10.087	10.517	10.095	10.027	10.065	10.849	10.458	10.108	10.731	10.710	10.452	10.471	10.293	10.411	10.364	10.161	10.151	10.385	10.352	10.313	10.333	
1426482	at	Pkrir	BF457576	Mm.4428	7	10.649	10.549	10.697	10.710	10.592	10.761	10.646	10.539	10.174	10.390	10.440	10.385	10.300	10.494	10.475	10.874	10.654	10.498	10.671	10.728	10.610	10.785	10.644	10.844	
1426483	at	Pkrir	BF457576	Mm.4428	7	10.350	10.427	10.525	10.587	10.130	10.777	10.663	10.369	9.906	10.148	10.396	10.253	10.179	10.376	10.304	10.582	10.709	10.587	10.582	10.638	10.538	10.482	10.553	10.686	
1426484	at	Ubxn4	AI788596	Mm.293321	1	8.186	8.482	8.376	8.278	8.381	8.244	8.297	8.377	8.452	8.486	8.373	8.845	8.538	8.219	8.411	8.393	8.170	8.264	8.089	8.168	8.406	8.612	8.207	8.293	
1426485	at	Ubxn4	AI788596	Mm.293321	1	11.246	11.775	11.122	11.080	11.383	11.080	11.040	11.425	11.473	11.408	11.638	11.574	11.595	11.516	11.244	11.109	11.109	11.110	10.994	10.874	11.062	11.209	10.962	10.913	
1426486	at	Ubxn4	BB123021	Mm.293321	1	10.990	10.768	9.350	9.636	10.442	9.707	9.696	10.568	10.421	10.352	10.481	10.555	10.421	10.380	9.946	9.959	9.953	9.983	7.304	9.588	10.048	10.549	9.868		
1426487	a	at	Rbp6b	BB092954	Mm.4480	7	7.440	7.568	7.116	7.324	7.679	7.213	7.078	7.978	7.488	7.378	7.006	7.729	7.232	7.116	7.291	6.884	7.926	7.680	7.323	6.970	7.791	8.317	7.255	7.096
1426488	at	Bfar	AK013874	Mm.223689	16	9.736	9.584	9.415	9.332	9.391	9.233	9.231	9.673	9.552	9.585	9.167	9.317	9.415	9.059	9.079	9.482	9.828	9.582	9.467	9.411	9.703	9.911	9.357	9.216	
1426489	s	at	Bfar	AK013874	Mm.223689	16	11.301	11.271	11.172	11.123	11.130	11.109	11.200	11.103	11.065	11.099	10.821	11.089	10.981	10.903	10.910	11.093	11.337	11.302	11.116	11.287	11.291	11.506	11.134	11.024
1426490	at	Bfar	AK013874	Mm.223689	16	10.831	10.854	10.959	10.860	10.635	10.793	10.768	10.741	10.688	10.861	10.418	10.718	10.567	10.590	10.729	10.811	11.087	11.057	10.937	11.028	10.921	11.008	10.873	10.790	
1426491	at	Herc2	AW701798	Mm.20929	7	9.220	9.163	9.268	9.352	9.569	9.350	9.246	9.318	9.395	9.517	9.277	9.646	9.431	9.366	9.417	9.406	9.175	9.336	9.						

1426541	a	at	Endod1	BF168366	Mm.41423	9	5.953	7.287	5.819	5.800	6.834	5.932	5.736	6.750	7.025	7.199	6.527	6.903	6.980	6.720	6.729	5.961	5.579	5.207	5.641	5.306	5.807	6.113	5.878	5.433
1426542	at	Endod1	BF168366	Mm.41423	9	6.319	6.702	6.141	6.245	6.552	6.181	6.272	6.436	6.713	6.785	6.660	6.455	6.733	6.581	6.452	6.293	6.088	6.269	6.177	6.258	6.121	6.073	6.141	6.335	
1426543	x	at	Endod1	BF168366	Mm.41423	9	6.411	7.018	6.377	6.175	6.808	6.299	6.472	6.805	7.465	6.161	6.888	7.205	7.031	7.022	7.072	6.420	6.349	6.347	6.306	6.166	5.980	6.491	6.332	6.304
1426544	a	at	Tt1c4	BB118847	Mm.215710	3	8.566	8.489	8.804	8.762	8.855	8.781	8.753	8.381	8.536	8.769	8.311	8.803	8.804	8.504	8.802	8.664	8.541	8.544	8.677	8.843	8.867	8.723	8.997	8.796
1426545	at	Ttrc6b	BG067897	Mm.131328	15	9.830	9.852	9.587	9.812	9.737	9.709	9.641	9.709	9.455	9.584	9.085	9.755	9.662	9.401	9.430	10.063	9.660	9.739	9.794	9.739	9.679	9.683	9.576		
1426546	at	Test2	BQ179435	Mm.425201	4	7.096	7.415	6.952	6.999	7.145	6.889	6.959	7.068	7.501	7.795	6.638	7.447	7.531	1.155	7.068	6.877	7.163	7.281	7.316	7.156	6.805	6.880	6.635	6.684	
1426547	at	Gc	AI195150	Mm.196595	5	5.769	5.358	5.806	5.789	5.708	5.561	5.593	5.707	5.622	5.515	5.677	5.367	5.760	5.633	5.706	5.817	5.665	5.955	5.785	5.781	5.533	5.385	5.282	6.049	
1426548	a	at	Atdbd4	BG070516	Mm.117809	2	8.258	8.581	8.590	8.367	8.370	8.828	8.553	8.309	8.261	8.364	8.112	8.193	8.245	8.674	8.317	8.493	8.515	8.500	8.420	8.515	8.049	8.411	8.465	8.365
1426549	a	at	2410018C20Rik	AV100640	Mm.278085	8	4.733	4.633	4.696	4.738	4.544	4.612	4.646	4.641	4.479	4.505	4.586	4.548	4.519	4.519	4.567	4.552	4.719	4.701	4.624	4.736	4.862	4.797	4.748	4.794
1426550	at	Sldt1	AI449329	Mm.242144	16	6.357	6.212	6.202	6.586	6.345	6.196	6.294	6.364	6.187	6.166	6.233	6.199	6.339	6.223	6.267	6.292	6.169	6.157	6.175	6.378	6.407	6.292	6.278	6.359	
1426551	at	Sldt1	AI449329	Mm.242144	16	4.786	4.683	4.985	4.769	4.697	4.809	4.872	4.942	4.815	4.716	4.623	4.717	4.715	4.750	4.774	4.733	4.914	4.808	4.967	4.687	4.925	5.084	4.739	5.043	4.955
1426552	a	at	Bcl11a	BB772866	Mm.53687	11	5.446	5.317	5.373	5.429	5.460	5.306	5.343	5.308	5.402	5.196	5.204	5.170	5.400	5.171	5.272	5.266	5.477	5.505	5.420	5.689	5.315	5.312	5.634	5.389
1426553	at	Dnaic14	AK017830	Mm.296915	10	8.326	8.967	8.402	8.522	8.605	8.501	8.373	8.289	8.788	8.892	8.461	8.693	8.652	8.881	8.592	8.518	8.243	8.323	8.590	4.880	8.904	8.023	8.460	8.658	
1426554	a	at	Ppaam1	BI407347	Mm.391589	19	10.723	11.993	10.899	10.486	10.683	10.495	10.667	11.025	11.564	11.116	11.168	11.664	10.858	10.828	10.143	10.476	10.451	10.196	10.144	10.169	10.514	10.169	10.451	10.671
1426555	at	Scnp1	AK014680	Mm.34126	11	9.441	10.326	9.524	9.796	10.172	10.117	9.812	9.596	10.467	10.460	8.995	10.061	10.345	10.624	10.218	9.698	9.694	9.713	10.009	9.809	9.498	9.633	9.454	9.609	
1426556	at	Suhw4	BG066777	Mm.242791	9	8.219	8.281	8.248	8.227	8.369	8.498	8.321	8.288	8.038	8.414	8.101	8.230	8.270	8.171	8.400	8.448	8.407	8.317	8.215	8.208	8.322	8.528	8.362	8.290	
1426557	at	Mesp1	AK006394	Mm.1404	7	6.999	6.688	6.787	6.818	6.643	6.596	6.944	6.921	6.779	6.705	6.799	6.709	6.741	6.786	6.716	6.766	6.937	6.824	6.820	6.806	6.796	6.722	6.747	6.924	
1426558	x	at	LOC66376	BB283527	NA	2	9.523	9.787	9.626	9.682	9.632	9.506	9.934	9.901	9.545	9.850	9.321	9.702	9.627	9.594	9.456	9.535	9.525	9.503	9.300	9.373	9.639	9.630	9.554	9.325
1426559	at	Sbn1	BG065326	Mm.23879	5	11.471	11.446	11.447	11.538	11.591	11.478	11.265	11.320	11.385	11.360	11.276	11.506	11.368	11.190	11.386	11.482	11.376	11.413	11.392	11.390	11.209	11.399	11.482	11.378	
1426560	a	at	Npnt	AA223007	Mm.279310	3	6.645	6.696	6.800	6.770	6.573	6.913	6.663	7.000	6.619	6.841	7.005	6.825	6.740	6.860	6.753	6.624	6.698	6.745	6.840	6.579	6.790	6.478	6.701	6.670
1426561	a	at	Npnt	AA223007	Mm.279310	3	6.348	5.825	6.329	6.122	5.945	6.478	6.158	6.042	5.912	6.010	6.229	5.980	5.917	6.042	6.182	6.183	6.276	6.171	6.248	6.385	6.224	6.215	6.524	6.528
1426562	a	at	Offm1	BB952082	Mm.43278	2	5.109	5.329	5.114	4.866	5.329	4.936	5.082	5.501	5.387	5.255	5.163	5.379	4.546	4.915	4.922	4.865	5.149	5.113	5.055	4.741	4.858	5.465	4.892	4.951
1426563	at	Zfp553	BB770954	Mm.258371	7	6.698	6.488	6.530	6.549	6.799	6.935	6.432	6.669	6.432	6.453	6.358	6.597	6.581	6.515	6.274	6.571	6.904	6.690	6.441	6.333	6.343	6.662	6.565	6.735	
1426564	at	Zfp553	BB770954	Mm.258371	7	7.030	7.120	7.288	7.350	7.297	7.047	6.928	7.215	7.319	7.152	7.070	7.331	7.285	7.018	7.123	7.138	7.318	7.437	7.202	7.173	7.105	7.290	7.238	7.028	
1426565	at	Iqf1r	BE980124	Mm.275742	7	7.867	7.812	7.755	7.335	7.705	7.835	7.768	8.823	8.608	8.370	8.207	8.481	8.319	8.360	7.794	7.905	7.534	7.911	7.891	7.564	7.702	7.784	7.747	7.969	
1426566	s	at	Il17re	BG973910	Mm.131781	6	8.670	8.359	8.515	8.607	8.496	8.505	8.677	8.717	8.529	8.468	8.585	8.527	8.591	8.525	8.591	8.631	8.535	8.540	8.657	8.628	8.681	8.808	8.674	8.667
1426567	a	at	Ptcl1	BM2061073	Mm.131781	18	8.524	8.512	8.563	8.587	8.588	8.501	8.584	8.524	8.588	8.438	8.504	8.582	8.586	8.524	8.586	8.524	8.586	8.524	8.586	8.524	8.586	8.524	8.586	8.524
1426568	at	Scl2a9	BB148652	Mm.260137	7	8.615	8.598	8.639	8.669	8.570	8.582	8.585	8.587	8.588	8.585	8.582	8.585	8.582	8.585	8.582	8.585	8.582	8.585	8.582	8.585	8.582	8.585	8.582	8.585	8.582
1426569	a	at	Frk	BB787292	Mm.332432	10	4.731	5.391	4.842	4.723	5.074	5.086	4.902	5.186	5.571	5.429	4.622	5.044	5.538	4.917	4.570	4.880	5.019	4.889	4.563	4.728	5.043	4.440	4.346	
1426570	a	at	Frk	BB787292	Mm.332432	10	4.626	4.700	4.520	4.436	4.796	4.738	4.597	4.469	4.746	4.707	4.471	4.552	4.492	4.447	4.520	4.595	4.514	4.534	4.631	4.481	4.350	4.290	4.482	4.574
1426571	at	Tmem16a	AW910499	Mm.26700	7	7.000	6.635	6.949	7.156	6.794	6.921	6.853	6.813	6.593	6.671	6.813	6.698	6.786	6.869	6.779	6.943	6.865	7.016	6.972	7.016	6.716	6.897	7.021	6.890	
1426572	at	Me2	BM235734	Mm.36817	18	7.516	8.253	7.707	7.606	7.703	7.817	7.734	7.595	7.808	7.947	7.684	7.757	7.807	8.140	7.700	7.625	7.284	7.449	7.793	7.618	7.361	7.075	7.359	7.612	
1426573	at	Me2	BM235734	Mm.36817	18	5.516	5.862	5.595	5.849	5.795	5.799	5.606	5.653	5.596	5.567	5.556	5.831	5.919	5.701	5.523	5.517	5.488	5.521	5.636	5.369	5.588	5.792	5.334	5.598	
1426574	a	at	Add3	BI410363	Mm.426080	9	9.319	9.597	9.256	9.533	9.257	9.452	9.480	9.566	9.102	9.285	9.279	9.471	9.270	9.326	9.222	9.332	9.752	9.733	9.563	9.298	9.067	9.335	8.945	8.852
1426575	at	Scnp1	BB770954	Mm.258371	7	7.030	7.120	7.288	7.350	7.297	7.047	6.928	7.215	7.319	7.152	7.070	7.331	7.285	7.018	7.123	7.138	7.318	7.437	7.202	7.173	7.105	7.290	7.238	7.028	
1426576	at	Sams1	BE962192	Mm.329810	9	9.745	9.266	9.195	8.786	9.234	8.894	8.870	9.239	9.910	9.882	9.435	9.501	9.339	9.288	9.627	9.103	9.087	9.003	9.029	9.094	9.346	9.402	9.767	9.668	
1426577	a	at	Lin37	BM570079	Mm.379242	7	7.785	8.645	7.763	7.846	7.991	7.630	7.740	8.243	8.565	8.463	7.786	8.429	8.208	8.105	7.793	7.553	8.511	8.395	7.799	7.941	8.060	8.215	7.685	7.663
1426578	s	at	Snapi1	BB667523	Mm.331182	3	8.152	8.327	8.251	8.176	8.224	8.517	8.421	8.222	7.866	8.096	8.016	8.233	8.021	8.152	8.169	8.168	8.484	8.478	8.511	8.238	8.437	8.669	8.375	8.359
1426579	at	Gnl2	BM199850	Mm.90760	4	9.483	9.410	9.450	9.319	9.114	9.227	9.171	9.675	9.049	9.185	9.458	9.269	9.249	9.228	9.285	9.384	10.034	9.452	9.343	9.295	9.654	9.861	9.389	9.316	
1426580	at	Plk4	BB706709	Mm.37934	3	6.882	6.670	7.283	7.175	6.758	7.018	7.167	8.104	8.271	8.008	7.732	7.517	7.613	8.254	7.509	7.267	7.128	6.784	7.216	6.861	7.086	7.299	7.094	6.922	
1426581	at	Ptmt1	BI247018	Mm.23926	2	8.956	10.230	9.771	9.943	10.184	9.913	9.790																		

1426630	at	Exosc2	BE945515	Mm.150972	2	8.787	8.952	8.792	8.793	8.702	8.841	8.632	8.622	8.663	8.673	8.889	8.566	8.660	8.861	8.610	8.824	8.464	8.659	8.777	8.698	8.702	8.815	8.716	8.649
1426631	at	Pus7	BM199125	Mm.58660	5	8.047	8.369	7.895	8.028	8.208	8.025	8.000	8.233	8.557	8.456	8.828	8.334	8.452	8.230	8.103	7.995	8.397	8.302	7.927	8.181	8.448	8.328	8.280	8.083
1426632	at	Kctd14	AW553424	Mm.334033	7	7.231	7.246	7.053	7.124	7.093	6.925	7.072	7.267	7.384	7.211	7.120	7.063	7.115	7.216	7.035	6.954	7.117	7.122	6.968	6.857	7.191	6.961	7.037	7.030
1426633	s at	Kctd14	AW553424	Mm.334033	7	6.452	6.241	6.255	6.333	6.540	6.258	6.420	6.327	6.443	6.417	6.243	6.374	6.532	6.346	6.342	6.440	6.465	6.596	6.465	6.504	6.307	6.459	6.452	6.590
1426634	s at	Slc30a9	BM010989	Mm.26630	4	5.709	5.034	5.515	5.334	5.281	5.290	5.471	5.484	5.376	5.121	5.460	5.271	5.382	5.324	5.145	5.385	5.532	5.253	5.512	5.563	5.385	5.396	5.405	
1426635	at	Bf10d3	BB784602	Mm.25981	1	7.962	8.251	7.999	8.005	8.010	8.064	7.988	7.929	8.028	8.303	7.812	8.000	8.282	8.047	7.924	7.840	7.885	8.069	7.967	7.967	7.704	7.907	8.122	
1426636	a at	Xiap	BB783769	Mm.259879	X	4.565	4.494	4.329	4.469	4.600	4.253	4.325	4.255	4.345	4.421	4.588	4.554	4.548	4.302	4.444	4.486	4.675	4.512	4.467	4.303	4.502	4.796	4.587	4.503
1426637	a at	Six3	D83144	Mm.370208	17	4.723	4.560	4.483	4.486	4.371	4.499	4.316	4.664	4.523	4.443	4.294	4.422	4.474	4.334	4.271	4.385	4.513	4.646	4.402	4.374	4.621	4.468	4.388	4.737
1426638	at	Six3	D83144	Mm.370208	17	5.795	5.478	5.416	5.789	5.582	5.571	5.712	5.810	5.521	5.704	5.927	5.734	5.714	5.636	5.682	5.792	5.787	5.385	5.632	5.599	5.843	5.901	5.705	5.795
1426639	a at	Tcf7l2	BG487404	Mm.139815	19	7.541	6.963	7.800	7.623	7.275	7.718	7.388	7.388	7.223	7.188	7.074	7.264	7.329	7.367	7.239	7.552	7.423	7.610	7.640	7.844	7.394	7.361	7.344	7.704
1426640	s at	Trtb2	BB354684	Mm.266679	12	9.731	10.119	10.230	9.872	10.020	10.211	10.367	10.004	9.856	10.425	10.753	10.471	10.393	10.457	10.541	10.156	9.905	10.081	10.391	10.466	9.729	9.815	9.986	10.324
1426641	at	Trtb2	BB354684	Mm.266679	12	5.248	5.376	5.354	5.280	5.160	5.299	5.160	4.886	4.767	5.315	5.312	5.411	4.824	5.378	5.402	5.308	4.879	5.067	5.480	5.379	5.141	4.960	5.140	5.500
1426642	at	Frn1	BC004724	Mm.193099	1	10.928	12.205	10.626	11.166	12.235	11.814	10.618	11.689	14.263	13.998	12.495	13.360	14.022	13.695	13.176	10.656	10.097	10.213	11.091	10.066	10.399	10.172	10.033	9.907
1426643	at	Elp3	AK012072	Mm.297119	14	10.032	10.402	10.403	10.266	10.163	10.394	10.184	9.632	10.053	10.187	9.845	10.077	9.952	10.413	10.501	10.433	9.978	10.138	10.417	10.398	9.826	9.700	10.339	10.202
1426644	at	Tbc1d20	BC002196	Mm.288733	2	9.756	10.244	9.841	9.904	10.089	9.814	9.753	9.994	10.121	10.119	10.246	10.234	10.135	10.010	10.014	9.895	9.899	9.880	9.990	9.837	9.791	9.864	9.769	9.862
1426645	at	Hsp90aa1	U079047	Mm.1843	12	11.477	11.903	11.327	11.227	11.347	11.018	11.264	11.721	11.627	11.941	12.884	11.725	11.842	12.067	11.718	11.332	10.851	10.923	11.212	11.076	11.542	11.632	11.799	12.306
1426646	at	9130011J15Rik	AK018610	Mm.22565	8	10.547	10.725	10.901	10.763	10.507	10.725	10.644	9.958	10.224	10.574	10.386	10.522	10.333	10.616	10.501	10.784	10.118	10.556	10.520	10.540	10.235	9.923	10.559	10.411
1426647	at	9130011J15Rik	AK018610	Mm.22565	8	8.694	8.354	8.661	8.636	8.542	8.351	8.549	8.250	8.035	8.421	8.294	8.477	8.435	8.231	8.477	8.597	8.532	8.591	8.535	8.577	8.459	8.561	8.444	8.480
1426648	at	Mapkapk2	BG918951	Mm.221235	1	11.839	11.811	11.713	11.992	11.782	11.675	11.768	10.753	11.582	11.834	11.886	11.091	11.216	11.744	11.611	11.859	11.138	11.845	12.043	11.960	11.384	10.719	11.836	11.953
1426649	at	LOC10045217	BM114154	NA	4	6.861	7.122	6.866	6.890	6.939	6.668	6.839	6.991	7.455	7.443	6.631	7.380	7.089	6.841	6.981	6.874	6.982	7.019	6.926	6.895	6.851	7.084	7.161	6.796
1426650	at	Mylh8	BB011213	Mm.340163	11	4.151	4.084	4.140	4.145	4.173	4.338	4.201	4.382	4.126	4.117	4.286	4.103	4.262	4.156	4.143	4.052	4.230	4.187	4.117	4.138	4.192	4.228	4.069	4.129
1426651	at	Mrlp44	AK007652	Mm.238455	1	10.057	9.967	10.090	10.118	10.013	10.025	10.058	10.193	9.601	9.802	9.719	9.889	9.719	9.637	9.793	10.120	10.435	10.431	10.062	10.196	10.379	10.288	9.864	10.052
1426652	at	Mcm3	BI658327	Mm.4502	1	6.499	7.969	6.419	6.863	7.067	6.813	6.724	7.086	7.164	6.867	7.121	6.688	6.687	7.522	6.631	6.448	6.801	6.321	6.502	6.400	6.692	6.583	6.565	6.408
1426653	at	Mcm3	BI658327	Mm.4502	1	7.959	9.168	7.763	8.039	8.295	8.083	7.988	8.238	8.264	8.086	8.427	7.761	7.975	8.725	8.008	7.800	7.654	7.725	7.903	7.999	7.831	7.935	7.782	7.812
1426654	at	Zc3hc1	BI687848	Mm.29780	6	8.342	8.366	8.323	8.514	8.268	8.314	8.385	8.351	8.054	8.207	8.194	8.334	8.157	8.257	8.130	8.345	8.491	8.377	8.394	8.476	8.436	8.342	8.289	8.342
1426655	a at	4930504OE06Rik	BM118729	Mm.279287	3	8.140	8.251	8.215	8.193	8.296	8.177	8.136	8.012	8.096	8.274	8.083	8.502	8.265	8.166	8.340	8.169	8.105	8.318	8.149	8.242	8.154	8.110	8.203	8.275
1426656	a at	4930504OE06Rik	BM118729	Mm.279287	3	8.140	8.251	8.215	8.193	8.296	8.177	8.136	8.012	8.096	8.274	8.083	8.502	8.265	8.166	8.340	8.169	8.105	8.318	8.149	8.242	8.154	8.110	8.203	8.275
1426657	at	Phdhd	L21027	Mm.16898	3	9.986	9.918	9.612	9.369	9.872	9.474	9.778	8.293	8.371	8.803	8.708	8.556	8.440	8.607	8.410	8.392	8.388	8.510	8.455	8.388	8.368	8.388	8.473	
1426658	x at	Phdhd	L21027	Mm.16898	3	9.135	9.318	9.237	9.155	9.328	9.290	9.206	9.186	9.499	9.366	9.299	9.138	9.134	9.265	9.286	9.066	9.212	9.246	9.251	9.289	9.149	9.136	9.165	9.153
1426659	a at	Rpl23a	BF178310	Mm.22723	11	13.107	13.465	12.858	12.967	13.155	12.992	12.999	13.649	13.739	13.229	13.101	13.198	13.246	13.236	12.794	12.708	13.645	13.337	12.944	12.893	13.433	13.585	12.845	12.655
1426660	x at	Rpl23a	BF178310	Mm.22723	11	13.041	13.386	12.830	12.930	13.141	12.985	12.876	13.605	13.706	13.219	13.083	13.247	13.304	13.239	12.898	12.672	13.563	13.315	12.951	12.933	13.386	13.527	12.814	12.616
1426661	at	Rpl27a	BG807647	Mm.305750	7	12.037	12.617	11.778	11.834	12.097	11.839	11.881	12.562	12.789	12.332	12.125	12.256	12.254	12.344	11.856	11.470	12.476	12.285	11.944	11.782	12.304	12.383	11.664	11.477
1426662	at	Cmas	AJ06215	Mm.3820	6	10.472	11.060	10.471	10.528	10.840	10.518	10.464	10.517	10.881	10.836	10.460	10.871	10.798	10.809	10.771	10.571	10.657	10.826	10.800	10.567	10.622	10.656	10.504	10.508
1426663	s at	Slc45a3	BC024519	Mm.200307	1	7.943	7.890	8.034	7.929	8.360	8.044	7.699	7.384	8.457	8.550	7.806	7.842	8.178	7.822	8.340	7.793	7.389	7.654	8.080	7.838	7.837	7.714	7.993	8.119
1426664	s at	Slc30a3	BC024519	Mm.200307	1	7.980	8.232	8.066	8.895	8.293	8.848	8.293	8.590	8.473	8.760	8.737	8.730	8.573	8.501	8.518	8.518	8.518	8.518	8.518	8.518	8.518	8.518	8.518	8.518
1426665	at	Katn1b	AK010364	Mm.28382	8	7.682	8.371	7.762	7.759	7.943	7.899	7.754	7.904	8.091	7.957	7.852	7.719	7.825	8.094	7.803	7.669	7.784	8.128	7.932	7.874	7.908	7.811	7.667	7.680
1426666	a at	Unc84a	BG071740	Mm.210845	5	10.691	10.547	10.805	10.817	10.745	10.800	10.692	10.457	10.606	10.728	10.547	10.699	10.679	10.678	10.766	10.792	10.635	10.693	10.799	10.695	10.730	10.705	10.787	10.587
1426667	a at	Unc84a	BG071740	Mm.210845	5	8.371	8.362	8.569	8.456	8.285	8.435	8.453	7.631	8.149	8.347	8.111	7.983	8.082	8.356	8.477	8.575	8.156	8.258	8.468	8.579	8.364	7.838	8.429	8.864
1426668	at	Slc30a9	BB117951	Mm.234455	5	10.356	10.243	10.391	10.394	10.245	10.400	10.304	10.308	9.922	10.127	10.128	10.234	9.993	9.933	10.196	10.411	10.290	10.417	10.255	10.297	10.227	10.396	10.348	10.619
1426669	at	9130044N13Rik	BC025476	Mm.86360	16	8.313	8.156	8.098	8.121	7.936	8.088	8.047	8.646	7.798	8.006	7.767	8.057	7.878	7.943	8.028	8.103	8.553	8.174	8.050	8.078	8.434			

1426719	at	Appb2	BG067463	Mm.5159	5	9.829	10.139	9.824	10.190	10.188	10.218	9.961	9.960	9.922	9.890	10.025	10.245	10.118	9.927	9.990	9.774	10.581	10.482	10.316	10.373	10.165	10.198	9.923	9.745
1426720	at	Appb2	BG067463	Mm.5159	5	7.646	7.415	7.716	7.593	7.604	7.813	7.787	7.498	7.416	7.519	7.605	7.546	7.662	7.611	7.757	7.745	7.800	7.854	7.945	8.041	7.813	7.636	7.841	7.904
1426721	s at	Tipar	BB707122	Mm.246398	3	10.177	10.012	9.866	9.587	9.898	9.935	9.577	9.865	10.035	9.788	11.241	9.711	9.645	9.655	10.060	9.826	9.502	9.628	9.605	9.494	9.835	10.175	10.464	10.026
1426722	at	SLC38a2	BM248527	Mm.46754	15	12.975	12.752	12.633	12.019	12.374	12.202	12.717	12.986	12.823	13.074	12.869	13.010	12.791	12.741	13.094	12.569	12.051	11.682	11.852	11.825	12.743	12.660	12.621	13.027
1426723	at	Om3	BS570732	Mm.27239	9	8.795	8.491	8.726	8.788	8.840	8.923	8.754	8.559	8.729	8.780	8.579	8.938	8.923	8.604	8.923	8.776	8.817	8.906	8.835	8.817	8.687	8.818	8.844	8.776
1426724	at	Om3	AI314104	Mm.275555	3	9.955	10.738	9.762	9.810	10.352	9.995	9.798	10.285	11.044	10.837	10.807	10.568	10.836	10.756	10.542	9.855	9.413	9.632	9.857	9.636	9.875	9.766	10.175	9.978
1426725	s at	Ets1	BB151715	Mm.292415	9	10.596	11.083	10.843	10.864	11.323	10.861	11.140	11.245	11.272	11.556	11.426	11.030	11.373	11.272	11.689	10.901	11.095	11.164	11.091	11.333	11.248	11.577	11.304	11.479
1426726	at	Ppp110	BC004771	Mm.29385	17	8.991	9.133	8.658	8.638	8.661	8.550	8.564	8.907	9.017	8.827	8.057	9.129	8.880	8.951	8.818	8.696	8.804	9.277	8.792	8.649	8.597	8.685	8.564	8.903
1426727	s at	Ppp110	BC004771	Mm.29385	17	8.884	8.984	8.585	8.534	8.836	8.597	8.310	8.942	9.029	8.758	8.860	9.154	8.914	8.837	8.818	8.573	8.839	9.210	8.762	8.426	8.525	8.758	8.519	8.838
1426728	x at	Ptdss2	BG965431	Mm.293591	7	9.268	9.414	9.209	9.329	9.341	9.346	9.290	9.362	9.557	9.583	9.308	9.543	9.500	9.387	9.232	9.211	9.374	9.351	9.408	9.394	9.292	9.465	9.298	9.241
1426729	at	Z900046G09Rik	BC003957	Mm.196512	16	8.763	8.584	8.778	8.990	8.820	8.935	8.716	8.767	8.424	8.386	8.411	8.874	8.556	8.358	8.767	8.749	9.290	9.039	8.901	8.895	9.091	9.153	8.971	9.053
1426730	at	Pr12b1	AK005411	Mm.5099	13	6.254	5.949	6.229	6.039	6.000	6.335	6.181	6.027	6.094	5.920	6.286	6.026	6.053	6.292	6.348	6.119	6.087	6.245	6.324	6.638	5.949	5.908	6.073	6.176
1426731	at	Des	AI156158	Mm.6712	1	13.183	14.235	12.942	13.029	14.267	13.027	12.895	13.690	14.327	14.325	13.909	14.489	14.480	13.803	13.761	13.019	13.327	13.325	13.053	13.297	13.191	12.895	12.965	
1426732	at	Des	AI156158	Mm.6712	1	7.780	8.277	7.516	7.700	8.000	7.656	7.725	7.670	7.584	8.180	8.388	8.206	8.032	7.914	7.744	7.572	7.647	7.568	7.755	7.831	7.733	7.557	7.883	7.755
1426733	at	Itpk1	AW552407	Mm.475912	12	8.827	8.862	8.792	8.920	8.801	8.748	8.855	8.776	8.996	8.978	8.712	8.878	8.911	8.931	8.896	8.880	8.862	8.866	8.878	8.846	8.846	8.748	8.969	8.935
1426734	at	BC022623	BB008324	Mm.28244	16	9.117	9.293	8.827	9.332	9.241	8.961	9.005	8.770	9.230	9.208	10.017	9.720	9.486	9.341	9.434	9.021	9.974	9.605	9.177	9.380	9.669	9.805	9.428	8.832
1426735	at	Iars2	AW553435	Mm.275841	1	9.790	9.591	9.969	9.879	9.726	9.870	9.779	9.774	9.917	9.791	9.484	9.840	9.520	9.287	9.725	9.863	10.292	9.830	9.770	9.892	10.075	10.311	10.062	10.191
1426736	at	Gsp1	AB003502	Mm.325827	16	9.325	10.332	9.381	9.326	9.524	9.542	9.599	9.778	9.941	10.028	9.936	9.641	9.568	10.045	9.540	9.516	9.530	9.490	9.511	9.418	9.571	9.689	9.467	9.570
1426737	s at	Gsp1	AB003502	Mm.325827	16	5.908	6.646	6.241	6.030	6.111	6.316	6.088	6.320	6.264	6.492	6.277	6.005	6.161	6.466	6.315	6.083	6.572	6.030	6.001	6.046	5.905	5.853	6.200	6.232
1426738	at	Dokz	BC014860	Mm.314923	2	8.054	8.191	7.946	8.383	8.386	8.031	8.121	8.239	8.239	8.220	7.998	8.472	8.215	8.173	8.100	8.026	8.555	8.449	8.109	8.128	8.126	8.319	8.044	7.905
1426739	at	Dson1	BQ174742	Mm.328698	16	8.184	8.255	7.982	8.137	8.282	8.129	8.148	8.379	8.273	8.121	8.154	7.990	8.304	8.377	8.063	8.243	8.090	7.927	8.098	7.979	7.996	8.097	8.137	8.019
1426740	s at	Armcs5	AV273850	Mm.475517	7	7.780	8.553	7.573	7.786	8.285	8.042	7.828	8.121	8.130	7.955	7.977	8.298	8.092	8.161	7.935	7.658	8.006	8.162	7.997	7.899	7.731	7.893	7.708	7.825
1426741	a at	Fastk2d	BB108987	Mm.30965	1	9.536	9.616	9.794	9.483	9.393	9.603	9.718	9.760	9.262	9.351	9.295	9.136	8.868	9.340	9.365	9.700	9.388	9.819	9.771	9.671	9.704	10.146	9.625	9.739
1426742	at	Atp5f1	AK019459	Mm.251152	3	13.883	13.609	13.962	13.935	13.599	13.872	13.795	13.563	12.941	13.464	13.479	13.244	13.179	13.403	13.615	14.009	13.607	13.724	13.835	13.883	13.719	13.415	13.798	14.055
1426743	at	App12	BC002232	Mm.282985	10	11.359	10.865	11.468	11.438	11.031	11.426	11.101	10.626	10.565	10.809	11.176	10.965	11.068	10.689	11.022	11.388	11.475	11.145	11.072	11.225	11.233	11.319	11.439	10.942
1426744	at	Sbrf2	BM123132	Mm.38016	15	6.760	7.098	6.836	6.980	6.791	6.812	7.023	6.700	7.117	6.957	6.978	6.833	6.824	7.239	6.771	6.892	6.429	6.596	6.475	6.636	6.576	6.557	6.928	6.737
1426745	at	Pm17	Mm.29852	11	10.588	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587	10.587
1426746	at	181002623Rik	BQ027373	Mm.181075	9	10.863	10.705	11.066	10.977	10.781	11.133	10.885	10.676	10.233	10.696	11.618	10.602	10.547	10.698	10.474	11.052	10.860	10.881	11.136	11.212	10.899	10.906	11.060	11.293
1426747	at	Abc3	AI552141	Mm.27135	16	9.587	9.890	9.863	9.649	9.616	9.748	9.709	9.406	9.547	9.703	9.604	9.736	9.543	9.786	9.657	9.891	9.611	9.689	9.888	9.785	9.493	9.560	9.749	9.736
1426748	s at	Abc3	AI552141	Mm.27135	16	7.759	7.771	7.985	7.999	7.746	7.826	7.847	7.568	7.859	7.611	7.634	7.946	7.677	7.699	7.647	7.921	7.876	7.909	7.930	7.760	7.854	7.821	8.037	7.967
1426749	at	Pm13	AK010534	Mm.33202	7	9.858	10.008	9.766	9.766	9.966	9.984	9.937	9.783	9.783	9.800	10.043	9.860	9.756	10.209	9.663	9.799	9.893	9.764	9.828	9.664	9.864	10.004	9.970	9.813
1426750	at	Flnt	AW538200	Mm.475646	14	8.575	9.030	8.360	8.526	8.725	8.493	8.438	8.728	8.879	8.744	9.351	8.668	8.687	8.991	8.682	8.414	8.162	8.297	8.215	8.357	8.406	8.427	8.634	8.392
1426751	s at	Nup107	BC004655	Mm.12568	10	9.260	9.837	9.168	9.275	9.440	9.464	9.505	9.532	9.650	9.503	9.454	9.393	9.450	8.909	9.131	9.264	9.525	9.491	9.489	9.358	9.270	9.334	9.185	9.223
1426752	at	Ph17	BG065238	Mm.286285	3	9.259	9.057	9.410	9.419	9.187	9.594	9.385	9.131	9.496	9.156	9.863	9.198	9.075	9.407	9.328	9.351	9.500	9.714	9.798	9.562	9.299	9.434	9.170	9.340
1426753	at	Ph17	BG065238	Mm.286285	3	7.828	7.833	7.862	7.878	7.838	7.827	7.814	7.819	7.827	7.850	7.992	7.691	7.835	7.992	7.709	7.835	7.992	7.835	7.992	7.835	7.992	7.835	7.992	7.835
1426754	x at	Ckap4	BB312117	Mm.334999	10	8.705	10.566	8.132	8.260	9.459	8.412	8.507	9.700	10.268	9.921	9.690	9.451	9.574	9.933	9.083	8.178	8.386	8.345	8.026	7.934	8.207	8.273	8.430	8.353
1426755	at	Ckap4	BB312117	Mm.334999	10	10.281	12.437	10.184	10.061	11.201	10.334	10.484	11.466	12.328	11.863	11.815	11.552	11.660	12.120	11.128	10.092	10.458	10.454	10.307	9.901	10.253	10.218	9.939	10.145
1426756	at	Galnt2	BG064057	Mm.33808	8	9.215	9.962	9.177	9.362	9.665	9.298	9.068	9.143	9.653	9.764	9.317	9.811	9.618	9.631	9.473	9.144	9.098	9.257	9.354	9.177	9.128	9.091	9.323	9.247
1426757	at	Ampd2	AK004759	Mm.274335	3	8.294	8.446	8.087	8.306	8.476	8.228	8.200	8.142	8.720	8.375	8.624	8.417	8.597	8.654	8.268	8.143	8.195	8.147	8.314	8.168	8.249	8.118	8.309	8.249
1426758	s at	Meq3	Y13832	Mm.289645	12	8.292	8.842	8.786	8.501	9.408	8.382	8.069	8.808	9.963	9.544	8.503	9.289	9.551	8.708	9.030	8.088	8.548	8.332	8.235	7.906	8.419	8.382	8.176	7.939
1426759	at	Bak4k3	BF165548</																										

1426808	at	Lqals3	X16834	Mm.248615	14	7.934	10.332	7.587	7.800	8.799	7.772	7.747	8.018	10.772	7.955	8.407	9.111	9.459	10.106	8.095	7.365	7.128	6.966	7.780	6.466	6.921	6.992	6.481	6.605	
1426809	at	C430004E15Rik	BF582414	Mm.308539	2	8.172	7.954	8.061	8.140	7.988	7.922	7.916	8.009	7.951	7.858	7.959	7.978	7.869	8.035	7.989	8.041	7.979	7.894	7.950	7.947	7.825	8.135	8.088	8.087	
1426810	at	Jmld1a	BC026605	Mm.260479	6	9.803	9.743	9.816	9.865	9.782	9.556	9.702	9.790	9.731	9.842	9.526	9.882	9.770	9.579	9.838	9.784	9.661	9.663	9.416	9.373	9.689	10.086	9.763	9.782	
1426811	at	P20r5b	BB080065	Mm.118076	19	8.110	8.221	7.854	7.835	8.171	7.982	8.173	8.098	8.513	8.487	8.029	8.161	8.057	8.051	8.050	7.963	8.034	8.056	8.074	8.041	7.788	8.024	7.958	7.960	
1426812	a at	B130404D14Rik	BF156704	Mm.201646	2	9.549	10.464	9.572	9.723	10.062	9.771	9.542	9.781	10.716	10.635	10.485	10.658	10.741	10.271	9.486	9.338	9.587	9.716	9.524	9.482	9.406	9.960	9.705		
1426813	at	Ltv1	U01139	Mm.117581	10	9.693	10.030	9.625	9.463	9.661	9.590	9.703	9.654	9.691	8.845	10.040	9.541	9.677	9.818	9.966	9.603	9.826	9.769	9.945	9.715	9.731	9.827	9.644	9.747	
1426814	a at	M2c18a	BM248309	Mm.206371	2	10.171	10.130	10.292	10.268	10.155	10.241	10.028	9.471	10.014	10.245	10.026	10.011	10.046	10.315	9.998	10.365	9.690	10.039	10.136	10.214	10.665	9.941	10.277	10.445	
1426815	s at	Sec16a	BM248309	Mm.206371	2	10.501	10.630	10.700	10.651	10.594	10.496	10.513	10.162	10.569	10.641	10.521	10.496	10.595	10.672	10.484	10.810	10.426	10.475	10.590	10.637	10.353	10.275	10.656	10.687	
1426816	a at	Cdc64a	BC024804	Mm.233914	5	7.178	7.066	7.091	7.002	7.118	7.153	7.013	7.104	6.680	7.116	7.026	7.178	7.131	7.038	7.071	7.068	7.349	7.266	7.317	7.289	7.321	7.087	7.133	7.175	
1426817	at	Mki67	X82786	Mm.4078	7	7.163	10.680	7.243	7.869	9.130	8.135	8.516	10.080	10.176	10.102	10.404	8.555	8.884	10.619	9.305	7.340	6.936	6.436	7.225	7.135	7.315	7.797	7.353	6.643	
1426818	at	Akrd4c	BC025091	Mm.251199	7	7.988	7.832	8.087	8.128	8.352	8.083	8.092	7.825	8.214	8.135	8.638	8.130	8.132	7.942	8.166	7.918	8.011	8.076	8.279	8.091	7.737	8.003	8.170	7.762	
1426819	at	Hypk3	BQ076079	Mm.257925	2	12.750	12.087	12.667	12.518	12.378	12.551	12.721	12.484	12.022	12.524	12.352	12.866	12.298	12.311	12.604	12.740	12.490	12.306	12.328	12.573	12.639	12.729	12.859	12.967	
1426820	at	Ythdc1	AV025877	Mm.475626	5	9.887	9.712	9.832	9.693	9.555	9.751	9.563	9.555	9.380	9.769	9.625	9.439	9.513	9.572	9.613	9.821	9.373	9.447	9.639	9.519	9.560	9.694	9.929	10.007	
1426821	at	Cnq8	BM067882	Mm.288641	8	8.262	8.865	8.360	8.369	8.357	8.257	8.076	7.877	8.509	8.528	8.001	8.466	8.375	8.495	8.374	8.380	8.444	8.510	8.490	8.343	8.129	8.162	8.607	8.064	
1426822	at	Rho2t	BM201133	Mm.277233	17	10.275	10.122	10.477	10.424	9.783	10.171	10.257	10.150	9.572	9.632	9.856	10.070	9.501	9.785	9.863	10.480	10.525	10.619	10.405	10.552	10.394	10.418	10.328	10.362	
1426823	s at	Psmc4	BM195254	Mm.475978	11	12.971	12.743	13.173	12.977	13.128	13.108	13.067	12.913	12.482	12.801	12.632	13.178	13.100	12.464	12.943	13.198	12.824	12.975	13.055	12.938	12.942	13.098	12.969	13.325	
1426824	at	Psmc4	BM195254	Mm.475978	11	11.969	11.586	12.303	12.110	12.113	12.185	12.082	11.627	11.191	11.849	11.604	12.104	11.943	11.453	12.058	12.421	11.518	11.788	12.175	12.021	11.684	11.788	12.070	12.521	
1426825	at	FmnI3	BB138853	Mm.29043	15	8.453	8.967	8.361	8.620	8.943	8.354	8.407	8.826	9.107	9.176	9.078	9.318	9.431	8.858	9.812	8.170	8.627	8.542	8.312	8.279	8.641	8.666	8.391	8.419	
1426826	at	Rbm16	BE825099	Mm.124737	17	9.581	9.597	9.595	9.631	9.610	9.582	9.495	9.469	9.435	9.654	9.587	9.549	9.551	9.176	9.685	9.579	9.551	9.453	9.316	9.341	9.590	9.558	9.882	9.904	
1426827	at	Ythdc1	AV025877	Mm.475626	5	9.887	9.712	9.832	9.693	9.555	9.751	9.563	9.555	9.380	9.769	9.625	9.439	9.513	9.572	9.613	9.821	9.373	9.447	9.639	9.519	9.560	9.694	9.929	10.007	
1426828	at	Ulmc1	AK005046	Mm.276193	8	10.021	9.924	9.636	10.060	9.930	9.745	9.734	9.940	9.821	9.774	9.919	10.131	9.789	9.578	9.788	9.715	10.255	10.219	9.928	10.020	10.177	10.396	9.945	9.925	
1426829	at	Ulmc1	U22015	Mm.259301	13	10.277	10.389	10.146	10.265	10.415	10.357	10.261	10.516	10.427	10.392	10.294	10.624	10.479	10.418	10.302	10.207	10.617	10.396	10.298	10.339	10.385	10.429	10.290	10.211	
1426830	a at	Ahcy1c	BB831090	Mm.220328	3	11.338	11.253	11.547	11.327	11.238	11.609	11.416	10.802	10.947	11.190	11.140	11.071	11.154	11.334	11.299	11.498	10.851	11.123	11.397	11.474	10.891	10.830	11.419	11.550	
1426831	at	Ahcy1c	BB831090	Mm.220328	3	9.999	10.136	10.430	10.248	9.996	10.499	10.288	9.702	9.559	10.161	8.897	9.967	9.891	10.186	10.309	10.591	9.723	9.883	10.242	10.371	9.754	9.678	10.436	10.574	
1426832	at	Bd4c26b	BM460424	Mm.72753	X	8.658	9.085	8.622	8.827	9.125	9.078	8.899	9.123	9.367	9.072	8.842	9.172	9.254	8.904	8.894	8.842	9.307	9.163	9.007	8.859	8.942	9.189	8.314	8.518	
1426833	at	Elf4c3	BG073769	Mm.268903	4	9.622	10.022	9.509	9.648	10.074	9.761	9.688	10.124	10.254	10.182	9.856	10.112	10.136	9.932	9.824	9.613	10.140	9.924	9.678	9.680	9.775	10.083	9.680	9.566	
1426834	s at	D9c24b	BM229701	Mm.26833	3	8.931	8.237	8.917	8.750	8.712	8.635	8.637	8.899	8.837	8.837	8.937	8.837	8.937	8.837	8.937	8.837	8.937	8.837	8.937	8.837	8.937	8.837	8.937	8.837	
1426835	a at	Metap1	BG064815	Mm.26833	3	10.067	10.099	9.855	9.930	9.880	9.880	9.880	10.054	10.000	10.026	9.989	9.989	9.910	9.910	9.910	9.910	10.003	9.989	9.924	9.876	9.901	9.862	9.853	9.877	
1426836	s at	Metap1	BG064815	Mm.26833	3	11.565	11.547	11.503	11.476	11.470	11.609	11.538	11.331	11.368	11.460	11.500	11.395	11.432	11.561	11.442	11.609	11.433	11.498	11.625	11.503	11.435	11.418	11.517	11.420	
1426837	at	Metap1	BG064815	Mm.26833	3	7.619	7.687	7.697	7.756	7.700	7.853	7.698	7.497	7.462	7.803	7.687	7.713	7.686	7.708	7.787	7.902	7.559	7.683	7.937	7.901	7.542	7.525	7.789	7.885	
1426838	at	Pold3	AK010805	Mm.37562	7	9.002	9.608	8.006	9.097	9.341	9.120	9.106	9.406	9.506	9.416	9.301	9.111	9.260	9.528	9.149	9.012	9.094	9.229	9.202	8.961	9.032	9.264	9.008	9.057	
1426839	at	Pold3	AK010805	Mm.37562	7	7.081	7.365	7.049	6.989	7.329	7.105	7.218	7.124	7.358	7.182	7.155	7.162	7.136	7.380	7.142	6.937	7.228	7.145	7.183	7.169	6.907	7.007	7.086	7.060	
1426840	at	Ythd3f	BB183208	Mm.23834	3	10.594	10.016	10.831	10.521	10.029	10.587	10.624	10.065	9.700	10.254	9.922	10.200	9.941	9.937	10.323	10.665	10.358	10.297	10.344	10.489	10.552	10.154	10.841	10.789	
1426841	at	Ythd3f	BB183208	Mm.23834	3	9.351	9.279	9.481	9.258	9.095	9.464	9.433	8.974	8.851	9.072	8.928	9.067	8.996	9.230	9.075	9.715	9.085	9.006	9.306	9.426	9.094	9.156	9.355	9.602	
1426842	at	Ata2a	BM298401	Mm.26833	19	8.901	8.295	8.912	7.740	8.995	8.955	7.493	8.695	8.249	8.305	8.798	9.069	8.857	9.075	7.456	8.418	8.422	7.734	7.958	7.292	8.734	8.968	8.841		
1426843	at	Ata2a	BG065569	Mm.277384	19	9.121	8.977	8.877	9.198	9.121	8.710	8.936	8.901	8.855	8.990	8.691	9.192	9.002	8.686	9.816	9.004	9.224	9.235	9.173	9.065	9.186	9.060	9.092	9.077	
1426844	a at	Pcd2l	AK003339	Mm.38173	7	8.619	8.733	8.284	8.423	8.506	8.235	8.490	8.987	8.831	8.377	8.242	8.535	8.282	8.207	8.336	8.164	9.037	9.075	8.504	8.457	9.104	9.361	8.513	8.405	
1426845	at	Pcd2l	AK003339	Mm.38173	7	8.841	9.006	8.676	8.794	8.894	8.742	8.810	9.316	8.832	8.736	8.723	9.037	8.722	8.673	8.736	8.623	9.443	9.260	8.922	8.811	9.324	9.704	8.765	8.709	
1426846	at	Cenpt	BG172318	Mm.334775	8	8.515	9.137	8.229	8.378	8.724	8.320	8.450	9.212	9.401	8.957	9.069	9.073	8.982	9.217	8.708	8.268	8.308	8.366	8.347	8.223	8.340	8.499	7.893	8.189	
1426847	at	Sirt4	AK016400	Mm.332616	5	10.170	8.354	8.296	8.337	8.822	8.399	8.350	8.866	8.257</																

1426897	at	Rcc2	AV122997	Mm.475108	4	8.617	9.042	8.622	8.666	9.165	8.738	8.504	8.245	8.901	9.139	9.128	8.647	8.813	9.162	8.681	8.647	8.240	8.593	8.680	8.609	8.502	8.396	8.720	8.870
1426898	at	Map3k7ip1	AK009321	Mm.288245	15	8.577	8.578	8.502	8.517	8.581	8.462	8.439	8.565	8.494	8.427	8.399	8.460	8.414	8.478	8.424	8.563	8.837	8.813	8.867	8.792	8.532	8.542	8.438	8.476
1426899	at	Tbc1d23	AV209678	Mm.257819	16	9.229	9.369	9.120	8.948	9.356	9.341	9.314	8.774	9.465	9.579	9.520	9.381	9.420	9.297	9.472	9.111	9.006	9.283	9.418	9.336	9.101	9.176	9.307	9.453
1426900	at	Jmi1dc1	AV293164	Mm.23846	10	10.459	10.168	10.376	10.244	10.180	10.366	10.175	10.328	10.110	10.251	10.556	10.304	10.218	10.136	10.364	10.254	10.160	10.245	10.202	10.095	10.249	10.549	10.346	10.460
1426901	s at	Ccm1a2	BB057816	Mm.472726	11	10.358	10.567	9.371	10.541	10.461	10.444	10.476	10.281	10.464	10.437	10.288	10.433	10.317	10.300	10.330	10.427	10.737	10.837	10.583	10.348	10.488	10.501	10.547	10.555
1426902	at	BC024135	Mm.280052	12	10.055	8.993	10.001	10.084	10.102	9.968	10.105	9.975	9.972	9.976	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972	9.972
1426903	at	Fndc3a	BC024140	Mm.205421	14	9.383	9.831	9.719	9.473	9.614	9.602	9.577	9.612	9.994	10.136	9.633	9.968	9.781	10.032	9.958	9.648	9.334	9.387	9.571	9.317	9.376	9.470	9.637	9.642
1426904	s at	Dnaic10	AV114239	Mm.21762	2	9.871	10.586	9.983	9.929	10.147	10.219	9.864	9.813	10.630	10.548	10.069	10.212	10.377	10.654	10.282	10.010	9.625	9.693	10.017	9.893	9.579	9.615	9.791	9.912
1426905	a at	Dnaic10	AV114239	Mm.21762	2	9.833	10.390	9.930	9.811	10.166	10.056	9.952	9.899	10.361	10.406	10.144	10.283	10.467	10.558	10.211	10.029	9.624	9.804	9.953	9.755	9.633	9.801	9.834	9.826
1426906	at	Ifi205	M74124	Mm.425061	1	8.596	9.208	8.911	9.219	9.135	8.804	9.155	9.629	9.392	9.340	8.844	9.415	9.337	9.019	9.826	8.817	9.354	9.035	8.469	8.942	9.488	9.876	8.779	8.786
1426907	s at	Dhx57	BM115354	Mm.12412	17	7.769	8.225	7.924	8.072	8.102	8.052	8.059	8.185	8.082	8.391	7.853	8.220	8.260	8.095	8.107	7.889	8.271	8.181	7.905	8.130	7.979	8.194	7.796	8.007
1426908	at	Galm7	AV302406	Mm.62886	8	8.512	8.508	8.545	8.418	8.606	8.561	8.599	8.476	8.588	8.651	8.593	8.549	8.450	8.630	8.641	8.475	8.584	8.593	8.539	8.552	8.330	8.332	8.391	8.404
1426909	at	Uck2	BC004016	Mm.280095	1	10.415	11.506	9.959	9.790	10.640	9.744	9.887	11.196	11.538	11.123	11.984	11.214	10.919	11.366	10.847	10.018	9.730	9.930	9.818	9.452	9.668	9.463	9.543	10.066
1426910	at	Pawr	BB398886	Mm.391419	10	5.718	5.594	6.171	5.788	5.778	6.309	5.721	5.576	5.709	6.058	5.972	5.626	6.009	5.808	5.860	5.799	5.539	5.733	5.808	5.453	5.569	5.702	6.251	6.290
1426911	at	Dsc2	BC004663	Mm.280547	18	8.908	8.763	9.033	8.950	8.745	9.082	9.029	8.941	8.051	8.768	8.184	8.439	8.256	8.586	8.903	8.977	9.116	9.060	9.115	8.889	8.785	8.945	9.024	9.088
1426912	at	Rfwd2	BB296692	Mm.328135	1	10.652	10.697	10.914	10.903	10.696	10.935	10.881	10.460	10.501	10.722	10.666	10.793	10.706	10.780	10.834	10.951	10.685	10.740	10.948	10.981	10.705	10.788	10.964	11.094
1426913	at	Lss	AK014742	Mm.55505	10	4.494	4.259	4.231	4.395	4.490	4.634	4.388	4.473	4.531	4.541	4.347	4.802	4.685	4.475	4.409	4.402	4.485	4.691	4.451	4.418	4.356	4.508	4.430	4.522
1426914	at	Marvld2	B0076407	Mm.25037	13	5.686	7.180	6.847	5.906	7.138	6.109	5.753	6.260	5.669	5.855	5.645	5.644	5.984	5.561	5.794	6.773	5.847	6.253	5.961	5.403	5.845	6.174	6.130	5.886
1426915	at	Dapk1	BC021490	Mm.24103	13	10.100	10.490	10.149	10.575	10.620	10.445	10.531	10.331	10.516	10.598	10.159	10.885	10.723	10.656	10.589	9.971	10.522	10.553	10.277	10.277	10.679	10.799	10.538	10.557
1426916	at	Scrn3	BM211317	Mm.247457	2	10.886	10.435	10.963	10.787	10.672	10.862	10.797	10.549	10.431	10.604	10.551	10.604	10.598	10.599	10.677	10.908	10.793	10.861	10.789	11.069	10.824	10.785	10.828	10.915
1426917	s at	Scrn3	BM211317	Mm.247457	2	9.016	8.552	9.134	8.871	8.872	8.841	8.868	9.136	8.352	8.711	8.189	8.689	8.348	8.152	8.584	9.112	9.489	9.259	8.795	9.988	9.333	9.577	8.882	8.917
1426918	at	Itqb1	BM120341	Mm.263396	8	10.673	11.784	10.881	10.820	11.736	11.150	10.715	10.281	12.033	12.285	11.497	11.713	11.750	11.960	11.916	10.953	9.708	10.188	10.969	10.714	10.024	9.809	10.782	11.233
1426919	at	Itqb1	BM120341	Mm.263396	8	3.943	3.916	4.057	3.976	4.062	4.036	3.933	4.000	3.959	3.902	4.033	4.008	3.858	3.912	3.970	3.957	3.920	3.834	4.101	3.927	3.939	4.034	3.863	3.877
1426920	x at	Itqb1	BM120341	Mm.263396	8	3.824	4.258	4.113	4.028	4.163	4.082	3.935	3.931	4.175	4.358	4.155	4.224	4.165	4.268	4.105	3.938	4.056	3.995	4.065	4.012	3.823	3.896	4.035	4.147
1426921	at	Abcf1	AV309591	Mm.329022	17	9.921	10.145	9.867	10.057	9.934	10.071	10.025	10.029	10.040	10.031	10.189	10.212	9.846	10.082	9.876	10.063	10.169	10.145	10.116	10.030	10.073	10.083	10.134	9.965
1426922	s at	Hrb	BB130716	Mm.392569	1	8.608	8.809	8.601	8.375	8.534	8.661	8.594	8.922	8.647	8.758	9.040	8.653	8.535	8.805	8.684	8.693	8.416	8.288	8.474	8.248	8.463	8.430	8.673	8.725
1426923	at	Hrb	BB130716	Mm.392569	1	8.608	8.809	8.601	8.375	8.534	8.661	8.594	8.922	8.647	8.758	9.040	8.653	8.535	8.805	8.684	8.693	8.416	8.288	8.474	8.248	8.463	8.430	8.673	8.725
1426924	at	Pcdh2	AA709668	Mm.288782	2	9.662	9.908	9.787	9.865	9.924	9.829	9.889	9.813	9.734	9.841	9.675	9.988	9.797	9.822	9.828	9.860	9.792	9.711	9.662	9.763	9.880	8.825	9.844	
1426925	at	Pcdh2	AA709668	Mm.288785	2	4.933	4.438	5.164	5.070	5.127	5.369	5.064	5.272	5.170	5.298	5.051	5.146	5.208	5.248	5.395	5.315	5.020	5.025	5.129	5.209	5.310	5.342	5.046	5.228
1426926	at	Rlc2	AAW54608	Mm.192699	8	9.509	10.167	9.520	9.680	10.271	9.619	9.757	10.327	10.484	10.240	10.254	10.289	10.164	10.196	9.868	9.356	9.610	9.439	9.599	9.328	9.491	9.661	9.440	9.296
1426927	at	Ap3b2	AB030202	Mm.322894	7	6.515	6.449	6.483	6.470	6.421	6.471	6.441	6.400	6.672	6.345	6.414	6.415	6.500	6.505	6.421	6.509	6.381	6.430	6.418	6.556	6.377	6.331	6.531	6.430
1426928	at	Ccdc93	BC024674	Mm.25788	1	5.863	6.019	5.508	5.530	5.476	5.379	5.636	6.424	6.163	6.020	5.558	5.488	5.650	5.815	5.579	5.434	5.446	5.361	5.544	5.562	5.786	5.787		
1426929	at	Bruno1a	AV327653	Mm.266435	18	7.518	7.130	7.139	7.147	7.131	7.142	7.175	7.368	7.045	7.088	7.289	7.178	7.175	7.176	7.167	6.949	7.419	7.183	7.173	7.288	7.242	7.175	6.969	7.004
1426930	at	Bruno1a	AV327653	Mm.266435	18	4.507	4.408	4.231	4.267	4.286	4.394	4.355	4.451	4.451	4.368	4.362	4.472	4.421	4.421	4.421	4.421	4.421	4.421	4.421	4.421	4.421	4.421	4.421	4.421
1426931	at	Hmnbw1357e	AV122997	Mm.475108	4	8.617	9.042	8.622	8.666	9.165	8.738	8.504	8.245	8.901	9.139	9.128	8.647	8.813	9.162	8.681	8.647	8.240	8.593	8.680	8.609	8.502	8.396	8.720	8.870
1426932	at	D19Bwgl1357e	AV122997	Mm.475108	4	8.617	9.042	8.622	8.666	9.165	8.738	8.504	8.245	8.901	9.139	9.128	8.647	8.813	9.162	8.681	8.647	8.240	8.593	8.680	8.609	8.502	8.396	8.720	8.870
1426933	at	Oxsr1	AK013132	Mm.293565	9	9.755	9.693	9.612	9.781	9.808	9.832	9.769	9.513	9.465	9.648	9.631	9.681	9.609	9.712	9.708	9.799	9.711	9.794	9.931	9.937	9.920	9.777	9.747	9.885
1426934	at	Nhs1	BC013565	Mm.297971	10	7.933	7.706	7.942	8.266	7.921	8.651	8.353	7.437	7.334	7.755	7.472	7.763	7.711	7.800	7.718	8.113	8.353	8.654	8.638	8.401	7.923	7.947	7.935	7.939
1426935	at	Nhs1	BC013565	Mm.297971	10	5.838	5.495	5.641	5.754	5.564	5.625	5.712	5.600	5.672	5.561	5.749	5.708	5.554	5.534	5.651	5.607	5.653	5.661	5.533	5.656	5.640	5.598	5.660	5.703
1426936	at	LOC3040615R1K	AK018128	Mm.252139	3	4.267	4.379	4.582	5.188	4.765	4.788	5.142	4.856	4.489	4.416	4.444	4.183	4.654	4.474	4.306	4.462	4.230	4.188	4.496	4.231	4.433	4.447	4.287	
1426937	at	Nov1	BC070064	Mm.475108	4	8.617	9.042																						

1426986	at	2810485I05Rik	AV337692	Mm.246174	9	7.401	7.643	7.449	7.241	7.404	7.605	7.395	7.559	7.527	7.780	7.397	7.307	7.466	7.809	7.620	7.413	7.065	7.733	7.298	7.155	7.222	7.459	7.316	7.306
1426987	at	4530417L22Rik	BB028755	Mm.393006	2	9.006	9.253	8.993	8.837	9.112	8.888	8.757	8.908	8.757	9.159	8.582	9.062	9.302	8.912	9.086	9.030	8.640	8.769	8.950	8.694	9.070	8.850	9.024	9.091
1426988	at	Klhdcd5	BB795333	Mm.32497	6	6.627	6.753	6.505	6.822	7.097	6.830	6.568	6.715	6.807	6.987	6.846	6.751	6.748	6.671	6.882	6.595	6.511	6.834	6.553	6.729	6.646	6.586	6.811	6.616
1426989	at	Clin3	AV341395	Mm.193701	6	8.259	7.881	7.879	8.348	7.797	7.955	8.059	8.036	7.862	7.968	8.096	8.004	8.060	8.027	8.030	8.160	8.079	8.072	8.066	8.126	8.260	8.003	8.228	8.119
1426990	at	At917159	Mm.213915	2	6.913	6.553	6.466	6.531	6.144	6.471	6.220	6.686	6.170	6.486	6.496	6.019	6.203	5.964	6.058	6.295	6.532	6.540	6.784	6.470	6.837	6.909	6.740	6.572	6.600
1426991	at	1810048111Rik	AV273819	Mm.11233	12	7.909	8.003	7.658	7.743	7.860	7.710	7.620	7.871	8.335	8.256	7.869	8.266	8.140	7.946	7.910	7.759	7.878	7.765	7.883	7.721	7.712	7.780	7.799	7.639
1426992	at	Xpr1	AV337591	Mm.266215	1	10.571	10.858	10.511	10.397	10.686	10.329	10.414	10.666	11.055	11.131	10.491	10.679	10.948	10.730	10.683	10.558	10.354	10.424	10.504	10.360	10.235	10.457	10.430	10.417
1426993	at	Xpr1	AV337591	Mm.266215	1	8.079	8.274	8.026	8.057	8.457	8.048	7.968	8.159	8.468	8.375	8.067	8.375	8.364	8.158	8.203	8.145	8.111	8.151	8.089	8.163	7.971	7.998	8.035	8.159
1426994	at	Philop	BC024670	Mm.24115	1	9.249	8.815	9.115	9.382	9.303	9.304	9.371	9.050	8.665	8.978	8.731	9.01	9.100	8.830	9.076	9.233	9.580	9.508	9.436	9.438	9.330	9.588	9.541	9.473
1426995	a at	Gfer	BI901126	Mm.28124	17	8.689	8.817	8.669	8.605	8.774	8.689	8.564	8.471	8.600	8.596	8.423	8.840	8.671	8.714	8.700	8.621	8.769	8.881	8.788	8.801	8.646	8.623	8.655	8.803
1426996	at	AA0409316	BB021559	Mm.267178	15	6.167	6.044	6.334	6.529	6.030	6.146	6.230	6.143	6.026	6.162	6.286	6.015	6.169	6.106	6.017	5.986	6.285	6.292	6.197	6.390	6.405	6.103	6.221	6.171
1426997	at	Thra	AW209371	Mm.265917	11	8.926	8.855	8.960	9.075	8.854	8.998	8.928	8.881	8.602	8.874	8.551	8.925	8.864	8.667	9.034	8.948	9.463	9.404	9.269	9.304	9.220	9.177	9.926	9.922
1426998	at	Zland3	BC971649	Mm.220972	17	10.446	10.379	10.588	10.732	10.624	10.659	10.548	10.097	10.242	10.566	10.385	10.635	10.441	10.368	10.657	10.572	10.342	10.688	10.652	10.630	10.379	10.763	10.796	10.796
1426999	at	Zc3h14	BM198642	Mm.25549	12	10.102	10.189	10.199	10.061	10.055	10.242	10.102	10.039	9.992	10.208	9.992	10.160	10.095	10.036	10.068	10.250	10.032	10.039	10.141	10.028	9.811	10.123	9.920	9.993
1427000	at	Hnf4a	BF580781	Mm.202383	2	4.024	3.940	4.242	4.061	4.202	4.169	4.366	4.125	4.086	4.254	4.262	4.027	4.020	4.001	4.151	4.292	4.165	4.022	4.263	4.082	4.169	4.003	4.357	4.420
1427001	s at	Hnf4a	BF580781	Mm.202383	2	8.364	7.997	8.363	8.246	8.207	8.322	8.251	8.170	8.050	7.747	8.316	8.034	8.273	8.215	8.203	8.250	8.101	8.075	8.331	8.346	8.243	8.197	8.572	8.378
1427002	s at	Arsq	AV059397	Mm.211850	11	6.301	6.341	6.073	6.079	6.189	6.033	6.072	6.131	6.211	6.300	5.932	6.106	6.012	6.113	6.036	6.087	6.012	6.070	6.003	6.228	5.997	5.954	5.798	5.962
1427003	at	Ppp2r5c	BQ072817	Mm.240396	12	9.052	9.170	8.883	9.000	9.051	8.890	8.890	9.027	9.210	9.005	9.085	8.724	8.952	9.227	8.898	9.005	8.786	8.813	8.894	8.687	8.666	8.634	8.790	8.750
1427004	at	Pfbox2	BB311718	Mm.262287	4	5.144	5.314	5.348	5.406	5.438	5.514	5.215	5.405	5.354	5.224	5.260	5.376	5.554	5.355	5.501	5.293	5.190	5.368	5.510	5.420	5.235	5.119	4.995	5.502
1427005	at	Pik2	BM234765	Mm.380	13	9.799	10.118	9.975	9.883	9.539	9.741	9.965	9.590	10.473	10.720	11.001	10.355	10.165	10.512	10.381	10.093	9.563	9.496	9.763	9.924	9.727	9.353	9.613	10.105
1427006	at	Ragge1	BB339051	Mm.298274	2	10.316	10.717	10.245	10.299	10.544	9.961	10.150	10.625	10.313	10.539	10.800	10.367	10.297	10.454	10.361	10.309	9.988	10.000	9.888	9.916	10.124	10.208	10.504	10.416
1427007	at	Sash3	AK004734	Mm.276131	x	7.844	8.296	7.850	7.927	7.944	7.858	8.126	7.856	8.504	8.256	8.092	7.838	8.158	8.415	7.935	7.794	7.882	7.775	7.846	7.814	7.918	7.777	7.782	7.731
1427008	at	Rnf43	BC004781	Mm.400230	11	5.466	4.981	5.138	5.073	5.336	5.378	5.201	5.190	5.160	5.581	5.262	5.239	5.363	5.162	4.977	5.435	5.414	5.422	5.517	5.526	5.204	5.074	5.728	5.230
1427009	at	Lama5	AV224009	Mm.4339	2	9.866	9.551	9.766	10.140	10.381	9.550	9.472	9.541	9.690	9.825	9.704	9.549	9.686	9.582	9.547	9.867	9.993	9.669	9.642	9.760	9.799	10.084	9.987	9.901
1427010	s at	Lama5	AV224009	Mm.4339	2	9.042	8.710	8.788	9.090	9.454	8.609	8.568	8.688	8.848	8.932	8.785	8.843	8.890	8.614	8.746	8.841	9.133	8.664	8.585	8.591	8.783	9.265	9.075	9.068
1427011	a at	Lanc1	AJ294355	Mm.20522	1	10.690	10.798	10.725	10.501	10.898	10.901	10.800	10.343	10.646	10.680	10.528	11.244	10.926	10.610	10.781	10.759	10.891	10.938	10.755	10.888	10.493	10.431	10.732	10.381
1427012	at	Cand1	MJ294305	Mm.20522	1	6.935	6.294	6.793	6.858	6.927	6.953	6.688	6.722	6.777	6.688	6.793	6.961	6.732	6.958	6.700	6.732	6.884	6.884	6.700	6.884	6.732	6.884	6.732	6.884
1427013	at	Gar1	AJ245867	Mm.270962	7	7.019	7.496	6.927	6.952	7.404	7.155	7.072	6.988	7.155	7.072	6.988	7.155	7.072	6.988	7.155	7.072	6.988	7.155	7.072	6.988	7.155	7.072	6.988	7.155
1427014	at	Dennb4b	BC026996	Mm.30571	3	9.889	9.491	9.886	10.023	9.902	10.007	10.001	9.783	9.522	9.448	9.769	9.566	9.455	9.733	9.630	10.008	10.145	10.180	10.002	10.114	10.080	9.860	10.120	10.122
1427015	at	C230021P08Rik	BT732921	Mm.22915	15	8.121	8.258	7.731	8.095	8.139	7.952	7.931	8.100	8.369	8.045	8.005	8.256	8.413	8.014	8.088	7.968	8.066	7.885	7.807	7.802	8.087	7.971	8.091	7.860
1427016	at	4932438A13Rik	BC027125	Mm.207907	3	9.393	9.200	9.471	9.497	9.412	9.595	9.674	9.332	9.079	9.281	9.021	9.235	9.137	9.181	9.377	9.553	9.443	9.519	9.558	9.357	9.473	10.009	9.594	9.799
1427017	at	Satb2	BB104560	Mm.145599	1	5.743	5.367	5.166	5.463	5.476	5.269	5.586	5.374	5.616	5.507	5.729	5.481	5.626	5.650	5.432	5.668	5.544	5.225	5.238	5.692	5.460	5.541	5.558	5.581
1427018	at	Tsnaxb1	AK006041	Mm.386810	8	6.015	5.749	5.894	6.048	5.932	5.917	5.814	6.082	5.814	5.596	6.139	5.850	5.948	6.099	5.848	6.347	6.098	5.883	6.134	6.062	6.077	5.794	5.961	5.922
1427019	at	Ptfrz1	BC062298	Mm.31639	6	6.552	6.087	6.450	6.440	6.441	6.706	6.549	6.354	6.482	6.076	6.359	6.264	6.389	6.303	6.466	6.481	6.495	6.388	6.363	6.533	6.668	6.207	6.469	6.518
1427020	at	Soc3	BM240664	Mm.344094	13	9.399	7.435	6.945	6.492	7.420	8.025	6.975	8.975	8.975	7.307	7.906	8.975	7.307	7.906	8.975	7.307	7.906	8.975	7.307	7.906	8.975	7.307	7.906	8.975
1427021	s at	Eif3f	AK002778	Mm.182962	7	14.396	14.145	14.341	14.356	14.305	14.381	14.242	14.127	14.321	14.221	14.245	14.319	14.396	14.332	14.311	14.464	14.402	14.391	14.344	14.415	14.433	14.329	14.293	14.228
1427022	at	Hnf43	BM241367	Mm.41367	11	7.778	8.032	8.132	8.032	8.066	8.467	8.125	7.812	7.740	8.019	7.822	8.050	7.755	8.093	8.106	8.149	7.869	7.912	8.138	8.161	7.813	8.116	8.230	8.148
1427023	at	Phyhlip	AI267048	Mm.181061	10	6.874	6.685	6.711	6.935	6.832	6.776	6.871	6.904	6.795	6.814	6.905	6.776	6.735	6.816	6.959	6.783	6.889	6.872	6.812	6.951	6.843	6.875	6.858	6.843
1427024	at	Slain2	BG081701	Mm.121285	5	7.299	7.645	7.105	6.916	7.420	7.094	7.271	7.279	7.431	7.692	8.323	7.565	7.275	7.638	7.569	7.207	6.906	7.353	7.192	7.067	7.287	7.260	7.250	7.746
1427025	at	Mtmr7	AV094609	Mm.294871	8	6.172	5.978	6.114	5.984	5.865	6.025	6.004	5.962	5.935	5.978	6.067	5.966	6.037	6.000	6.046	6.117	6.005	5.988	6.028	6.226	5.938	5.869	5.984	6.090
1427026	at	Mym4	AJ278733	Mm.297382	11	4.033	3.831																						

1427075	s	at	Pcmtd2	BM117243	Mm.271986	2	9.549	9.009	9.688	9.633	9.449	9.657	9.583	9.317	9.004	9.321	8.572	9.665	9.424	9.127	9.759	9.760	9.923	9.827	9.821	9.701	9.802	9.973	9.923	9.728	
1427076	at	Maeq1	L20315	Mm.3999		19	8.610	10.966	8.778	8.763	9.971	9.120	9.067	8.950	11.382	11.120	9.499	10.083	10.558	11.171	9.881	8.607	8.194	8.345	8.987	8.337	8.414	8.406	8.477	8.466	
1427077	a	at	Ap2b1	AV271093	Mm.39053	11	8.877	9.383	8.760	8.908	9.111	8.765	8.674	8.906	9.243	9.309	9.226	9.159	9.211	9.342	8.848	8.767	8.744	8.562	8.849	8.593	8.654	8.753	8.555	8.650	
1427078	at	Snx19	AV270982	Mm.35084		9	9.986	10.052	9.955	9.878	9.941	9.888	9.848	9.949	9.814	9.834	9.706	9.891	9.784	9.885	9.812	9.974	9.986	9.892	9.828	9.622	9.865	9.938	9.859	9.856	
1427079	at	Maeq3	US1204	Mm.332295		5	8.845	8.901	8.515	8.720	8.896	8.698	8.610	8.763	9.020	8.955	8.586	9.064	8.958	8.559	8.750	8.511	8.764	8.989	8.590	8.736	8.581	8.587	8.531	8.412	
1427080	at	2610036D13Rik	AK011692	Mm.29068		2	9.141	9.268	9.137	9.337	9.235	9.133	9.218	9.363	8.997	9.047	8.880	9.172	9.017	9.980	9.067	9.199	9.530	9.510	9.290	9.360	9.551	9.672	9.341	9.451	
1427081	at	A6300722M18Rik	BB246700	Mm.254286		5	7.593	7.709	7.958	7.917	7.858	7.785	7.449	7.336	7.260	7.540	7.428	7.693	7.571	7.570	7.766	7.762	7.844	7.676	7.653	7.857	7.642	7.791	7.938	7.639	
1427082	at	4632417N05Rik	AK014586	Mm.296302		8	7.018	7.137	7.321	6.972	7.154	7.251	7.064	7.067	6.995	7.363	6.763	7.079	7.116	7.182	7.165	7.154	7.174	7.379	7.330	7.341	6.696	6.872	6.835	6.958	
1427083	a	at	Map4k5	BG067961	Mm.291936	12	6.780	7.032	7.080	6.644	6.911	6.906	6.927	6.861	6.831	7.194	7.012	6.774	6.866	7.025	7.141	6.880	6.770	6.849	6.740	7.148	6.689	6.691	7.005	7.137	
1427084	a	at	Map4k5	BG067961	Mm.291936	12	8.232	8.656	8.560	8.397	8.356	8.621	8.324	8.180	8.151	8.589	8.530	8.357	8.551	8.563	8.674	8.486	8.159	8.370	8.656	8.640	7.985	8.101	8.298	6.885	
1427085	at	2810432D09Rik	AJ293897	Mm.425182		4	9.849	10.213	9.920	9.876	9.757	9.965	9.978	9.837	9.854	9.856	8.933	9.908	9.716	10.054	9.839	9.760	10.229	10.363	10.087	10.038	10.090	10.112	9.840	9.831	
1427086	at	Slit3	BM570006	Mm.202457		11	7.777	7.710	7.849	8.271	8.303	8.573	7.867	7.575	7.868	8.886	7.755	8.525	8.608	8.518	8.408	7.809	7.679	7.806	7.959	7.479	7.868	8.158	7.740	8.067	
1427087	at	Lnc72	BG070818	Mm.276133		6	8.937	9.015	8.915	8.697	8.541	8.624	8.703	8.775	8.753	8.936	8.385	8.617	8.433	8.621	8.443	8.912	8.510	8.235	8.347	8.015	8.522	8.875	8.470	8.544	
1427088	at	Ccnt2	BI872151	Mm.268672		1	8.387	8.419	8.440	8.338	8.449	8.472	8.297	8.513	8.159	8.423	8.202	8.438	8.390	8.378	8.312	8.411	8.260	8.319	8.280	8.305	8.228	8.546	8.580	8.408	
1427089	at	Ccnt2	BI872151	Mm.268672		1	8.546	8.390	8.523	8.422	8.232	8.594	8.444	7.463	8.046	8.610	8.082	8.051	7.880	8.180	8.322	8.571	7.638	7.910	7.868	8.161	7.924	8.009	8.720	8.432	
1427090	at	Zbed4	BC026763	Mm.396622		15	7.409	8.004	7.646	7.755	7.613	7.682	7.829	7.595	7.548	7.688	7.691	7.432	7.293	7.624	7.266	7.786	7.355	7.330	7.385	7.532	7.633	7.809	7.839	7.921	
1427091	at	Znfk1	BC025488	Mm.297074		2	8.774	8.854	8.925	9.154	9.265	8.977	9.046	8.800	8.944	9.059	9.001	9.272	9.053	8.936	9.148	9.063	9.100	9.059	8.945	9.090	9.056	9.003	9.448	9.584	
1427092	at	L3768	Mm.249645		8	5.229	5.069	5.028	5.284	5.120	4.968	5.047	5.090	5.197	5.050	5.127	5.255	5.416	5.151	5.180	5.069	5.142	5.208	5.068	5.146	5.201	5.258	5.489	5.079		
1427093	at	Taf703	BC026404	Mm.294295		15	7.453	7.427	7.288	7.622	7.516	7.537	7.435	7.765	7.377	7.362	7.335	7.583	7.450	7.497	7.517	7.417	7.914	7.849	7.572	7.630	7.624	7.749	7.526	7.743	
1427094	at	Pole2	AF036898	Mm.9199		12	6.804	8.349	6.926	6.994	7.350	7.151	7.267	7.553	7.473	7.155	7.651	6.807	7.002	7.806	7.269	6.850	6.416	6.722	6.915	6.640	6.569	6.969	6.881	6.733	
1427095	at	Cdcp1	BM205949	Mm.27519		9	6.252	5.925	6.151	6.294	6.348	6.098	6.171	6.228	6.177	6.251	6.270	6.527	6.385	6.216	6.303	6.239	6.320	6.317	6.412	6.401	6.155	6.323	6.357		
1427096	s	at	Ssr4	AV051818	Mm.831	X	8.129	7.800	7.944	7.953	7.875	7.917	8.084	7.988	7.685	7.829	8.125	7.802	7.971	7.997	8.005	8.073	7.878	7.971	7.856	8.115	7.918	7.832	8.072	8.048	
1427097	at	Wwp1	BI102531	Mm.78312		4	10.476	10.790	10.508	10.575	10.665	10.589	10.563	10.467	10.788	10.869	10.269	10.699	10.584	10.398	10.445	10.548	10.466	10.306	10.578	10.476	10.373	10.451	10.341	10.640	
1427098	at	Wwp1	BI102531	Mm.78312		4	8.924	9.289	9.032	9.065	9.153	9.019	9.094	8.988	9.142	9.346	8.884	9.003	8.978	8.971	9.132	8.954	8.828	8.804	9.068	8.947	8.843	8.911	8.912	9.081	
1427099	at	Maz	BG243624	Mm.378964		7	7.808	7.362	7.633	7.515	7.760	7.516	7.724	7.818	7.672	7.625	7.793	7.910	7.732	7.636	7.778	7.764	7.655	7.704	7.598	7.859	7.682	7.797	7.708	7.663	
1427100	at	Metrn	BE947704	Mm.41925		17	9.663	9.575	9.511	9.698	9.757	9.785	9.752	9.821	9.121	9.135	9.545	9.542	9.404	9.433	9.698	9.526	10.423	10.359	10.176	10.361	10.033	10.363	9.864	9.989	
1427101	at	Metn4	BE947704	Mm.41925		17	9.045	9.001	8.782	9.108	9.167	9.122	9.172	9.063	9.061	9.086	9.057	9.087	9.036	9.059	9.043	9.059	9.028	9.028	9.028	9.028	9.028	9.028	9.028	9.028	
1427102	at	Sfnf4	AF099975	Mm.381192		11	7.096	8.767	8.582	8.648	8.657	7.098	8.658	7.481	8.623	7.543	8.345	8.663	8.532	8.555	8.647	7.085	6.432	6.432	6.432	6.432	6.432	6.432	6.432	6.432	
1427103	at	Plekho2	AA049040	Mm.247303		9	8.621	8.864	8.536	8.588	8.544	8.489	8.523	8.408	8.992	8.831	9.265	8.610	8.686	8.877	8.585	8.603	8.398	8.412	8.469	8.570	8.461	8.800	8.590	8.661	
1427104	at	Plekh12	BG076162	Mm.87487		8	8.802	8.082	8.913	8.877	8.409	8.789	8.693	7.967	7.732	7.762	7.725	8.076	7.858	7.549	7.976	8.884	8.279	8.851	8.631	8.793	8.832	9.424	8.749	8.606	
1427105	at	Cenpn	BM230253	Mm.23185		8	8.024	8.359	7.978	8.103	8.208	8.072	8.140	8.568	8.643	8.128	8.477	7.952	8.295	8.537	7.994	7.972	8.082	7.975	8.001	8.160	8.163	8.059	8.079	7.747	
1427106	at	Zbtb3	BB477196	Mm.23423		19	6.648	6.629	6.595	6.783	6.660	6.525	6.651	6.613	6.944	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	6.624	
1427107	at	Slc16a11	BM938327	Mm.289238		11	8.380	8.350	8.636	8.475	8.628	8.409	8.588	8.570	8.539	8.486	8.620	8.341	8.629	8.524	8.419	8.618	8.501	8.467	8.539	8.455	8.564	8.390	8.677	8.364	
1427108	at	BS30068E07Rik	BM233467	Mm.291979		11	10.765	10.979	10.973	11.025	11.273	11.126	10.947	10.257	11.010	11.232	10.947	10.995	11.204	11.075	11.271	11.271	11.030	10.317	10.807	10.985	10.946	10.592	10.107	11.004	
1427109	at	Doi5	BB326452	Mm.390882		16	11.046	11.306	10.322	11.591	11.465	11.143	11.026	11.872	11.596	11.805	11.681	11.867	11.697	11.436	11.914	11.313	10.923	10.738	10.534	10.678	11.377	11.493	11.735	11.718	
1427110	at	Raver1	BG145492	Mm.432511		9	8.397	8.320	8.359	8.217	8.267	8.239	8.267	7.898	8.284	7.188	8.248	7.768	8.166	8.256	8.187	8.332	8.108	8.222	8.373	8.264	8.307	7.608	8.223	8.218	
1427111	s	at	Raver1	BG145492	Mm.432511		9	7.736	7.427	7.475	7.642	7.661	7.421	7.617	7.457	7.570	7.693	7.540	7.620	7.581	7.588	7.581	7.799	7.663	7.697	7.580	7.823	7.677	7.458	7.565	7.603
1427112	at	Ttl	AV127581	Mm.33909		2	7.917	8.202	7.988	8.253	8.028	8.100	8.032	7.938	7.847	8.001	7.914	8.102	7.785	7.947	7.909	8.170	7.778	7.945	7.926	7.890	7.710	7.816	7.804	7.885	
1427113	s	at	Ttl	AV127581	Mm.33909		2	9.120	9.497	9.072	9.301	9.444	9.242	9.076	9.464	9.357	9.165	9.276	9.396	9.198	9.148	9.104	9.023	9.232	9.318	9.203	9.093	9.167	9.339	8.909	9.020
1427114	at	Ttcr19	AK013368	Mm.69739		11	9.609	9.255	9.841	9.527	8.996	9.568	9.590	9.049	8.822	9.197	9.364	9.007	8.844	9.235	9.224	9.987	9.477	9.640	9.536	9.634	9.342	9.384	9.7		

1427164	at	Il13ra1	BB730912	Mm.24208	X	9.027	9.487	8.932	8.676	8.996	8.980	9.216	9.145	9.120	9.284	9.550	9.006	8.903	9.485	9.051	8.866	8.618	8.558	8.836	8.654	8.709	8.822	8.762	8.767
1427165	at	Il13ra1	BB730912	Mm.24208	X	9.461	9.603	9.727	9.532	9.939	9.989	9.669	8.800	8.909	9.538	9.715	9.260	9.335	9.797	9.578	9.803	8.778	8.970	9.422	9.760	9.051	8.903	9.714	9.722
1427166	a at	Sp07	BM212545	Mm.292075	8	9.149	9.213	9.402	9.519	9.372	9.436	9.196	9.219	9.094	9.314	9.429	9.515	9.344	9.149	9.372	9.425	9.707	9.592	9.552	9.515	9.486	9.400	9.462	9.475
1427167	at	Armcx4	BE865048	Mm.31961	X	8.362	8.523	8.866	7.844	8.113	8.520	8.161	8.433	7.975	8.100	7.945	7.667	7.837	8.086	8.007	8.780	7.445	8.297	8.463	8.368	7.738	8.319	8.001	8.069
1427168	a at	Col14a1	AJ131395	Mm.207959	15	8.865	10.181	9.645	9.202	11.109	9.872	9.127	9.699	11.852	11.597	9.989	11.156	11.798	10.477	9.944	8.719	8.468	8.644	8.076	8.389	8.685	8.516	8.636	8.229
1427169	at	Par3b	AK008055	Mm.35153	1	8.109	8.223	8.100	8.157	8.225	8.115	8.105	8.225	8.052	8.043	8.218	8.498	8.342	8.025	8.291	8.083	8.439	8.494	8.111	8.162	8.142	8.252	8.214	8.182
1427170	at	Psmas8	BF318721	Mm.87277	18	6.421	6.588	6.465	6.452	6.654	6.567	6.623	8.608	6.390	6.588	6.702	5.955	6.488	6.499	6.657	6.502	7.138	6.395	6.607	6.760	6.807	7.075	6.747	6.757
1427171	at	Rlf	BF020283	Mm.215745	4	7.810	8.053	7.620	7.620	8.111	7.729	7.814	7.744	7.813	8.107	7.601	7.588	7.700	7.866	7.730	7.726	7.297	7.801	7.552	7.335	7.499	7.839	8.039	7.736
1427172	at	Old1	AJ278702	Mm.247480	X	5.677	6.086	5.513	5.735	5.774	5.646	5.814	6.213	5.990	5.912	5.500	5.938	5.894	5.804	5.713	5.487	6.408	6.034	5.770	5.493	5.592	6.517	5.649	5.592
1427173	a at	Mros33	Y17852	Mm.377071	6	10.685	10.813	10.799	10.842	10.774	10.925	10.918	10.743	10.576	10.600	10.590	10.854	10.544	10.527	10.611	10.702	11.024	11.144	10.906	10.898	11.147	11.048	10.699	10.910
1427174	at	OTTMUSG000000	BM386029	Mm.386029	2	7.918	7.954	7.941	7.940	8.165	7.692	7.914	8.287	7.866	8.005	7.144	8.077	8.003	7.843	7.852	7.914	8.117	7.816	7.735	7.602	7.894	8.355	7.905	7.738
1427175	at	AJ482936	BC004761	Mm.227325	7	6.328	6.071	5.890	6.131	6.298	5.875	6.173	6.308	6.105	6.085	6.058	6.135	6.184	5.949	6.218	6.171	6.305	5.984	6.128	6.175	6.107	6.000	5.960	6.126
1427176	s at	RK28936	BC004761	Mm.227325	7	6.945	6.632	6.917	6.840	6.666	6.804	6.819	6.791	6.595	6.542	6.831	6.678	6.610	6.616	6.737	6.782	6.892	6.808	6.705	6.722	6.898	6.776	6.897	6.921
1427177	at	Fyco1	AJ428065	Mm.252941	9	11.044	10.422	11.125	11.088	11.223	10.851	10.710	10.869	10.254	10.712	10.733	10.438	10.391	10.598	11.147	11.141	11.755	11.515	11.526	11.655	11.614	11.717	11.573	11.717
1427178	at	Tmc4	B8667469	Mm.360398	7	7.428	7.392	7.296	7.523	7.433	7.310	7.379	7.454	7.443	7.604	7.488	7.241	7.746	7.408	7.301	7.384	7.640	7.353	7.337	7.429	7.557	7.419	7.483	7.401
1427179	at	Krt33b	X755650	Mm.439738	11	8.354	7.865	8.195	8.263	7.974	8.086	8.225	8.102	8.051	7.927	8.139	7.880	8.118	8.186	8.093	8.139	8.045	8.021	8.229	8.045	8.206	8.137	8.253	8.073
1427180	at	Slc27a3	BB147793	Mm.45519	3	6.608	6.366	6.635	6.662	6.534	6.474	6.568	6.340	6.756	6.476	6.608	6.775	6.714	6.845	6.408	6.318	6.460	6.462	6.515	6.250	6.560	6.040	6.301	6.137
1427181	at	D18Ertd653e	B0032363	Mm.440183	18	4.155	4.159	4.164	4.095	4.132	4.182	4.127	4.025	4.324	4.147	4.241	4.366	4.118	4.043	4.158	4.033	4.145	4.056	4.034	4.233	4.065	4.149	3.997	3.963
1427182	s at	D18Ertd653e	B0032363	Mm.440183	18	6.174	6.703	5.878	5.912	6.312	6.232	5.961	6.151	7.471	6.645	6.702	7.159	6.970	5.580	6.768	5.778	5.788	6.200	5.978	5.890	5.881	5.666	6.030	5.633
1427183	at	Alfem1	BC023060	Mm.44176	11	8.692	7.294	8.849	9.055	7.484	9.350	9.049	7.338	6.339	6.873	7.269	7.347	6.582	7.908	8.309	8.699	8.866	8.579	8.552	8.219	8.987	9.504	8.812	9.415
1427184	at	Tcr1b	BF318536	Mm.333026	6	4.949	4.856	4.983	4.880	4.740	4.897	4.896	4.983	4.985	4.883	5.084	4.911	5.093	4.989	5.034	5.040	4.956	4.984	4.930	4.923	5.104	4.924	4.988	4.944
1427185	at	Mef2a	AV255689	Mm.132788	7	11.355	11.055	11.553	11.619	11.272	11.740	11.474	11.029	10.684	11.136	10.975	11.020	11.131	10.969	11.192	11.617	11.549	11.322	11.541	11.499	11.447	11.524	11.592	11.502
1427186	a at	Mef2a	AV255689	Mm.132788	7	10.093	9.784	10.467	10.412	10.045	10.456	10.278	9.631	9.270	9.872	9.524	9.734	9.461	9.659	9.973	10.502	10.128	10.016	10.194	10.008	10.019	10.262	10.330	10.364
1427187	at	B3gnt1l	AJ319801	Mm.386847	11	7.982	7.918	7.835	8.032	7.887	7.905	7.965	7.765	7.888	7.681	7.880	7.926	7.929	7.921	7.725	7.819	8.063	8.079	8.105	8.301	7.952	7.909	7.903	7.831
1427188	at	Arih1	BB362210	Mm.305925	9	8.727	8.950	8.716	8.714	8.580	8.757	8.960	8.815	9.309	9.147	9.341	8.993	8.912	9.177	8.825	8.867	8.753	8.558	8.673	8.583	8.697	8.780	8.869	9.050
1427189	at	Arih1	BB362210	Mm.305925	9	9.573	10.128	9.664	9.588	9.538	9.543	9.522	9.375	9.991	10.071	10.179	9.721	9.721	10.027	9.738	9.718	9.082	9.106	9.328	9.269	9.222	9.239	9.587	9.889
1427190	at	Col1	AF236887	Mm.212462	11	7.661	8.233	8.368	8.233	7.459	7.742	8.634	8.495	8.615	8.614	8.830	8.920	8.703	8.732	8.741	8.453	8.559	8.711	8.522	8.542	8.586	8.504	8.972	8.963
1427191	at	Spv2	BC023060	Mm.44176	11	5.172	5.998	5.142	4.992	5.796	5.521	5.321	5.230	5.909	5.176	4.894	5.509	5.050	4.973	5.314	5.338	5.376	5.217	5.252	5.128	5.127	5.066	5.127	5.127
1427199	at	Fryl	BM118442	Mm.457877	5	8.939	9.001	8.873	8.900	9.131	8.962	8.759	8.770	9.072	9.127	8.700	8.945	9.020	8.624	8.824	8.910	9.154	8.982	8.957	8.695	8.758	8.618	8.575	8.581
1427200	at	Zranb1	AJ250943	Mm.389984	7	8.837	8.380	8.750	8.567	8.404	8.603	8.646	8.587	7.754	8.348	8.408	8.378	8.316	8.128	8.705	8.842	8.621	8.809	8.499	8.431	8.815	9.159	9.025	9.126
1427201	at	Mustn1	AJ277212	Mm.220895	14	7.341	7.207	7.474	7.352	7.103	7.431	7.127	7.811	7.216	7.280	7.208	7.269	7.208	7.163	7.119	7.481	7.767	7.502	7.278	7.033	7.522	7.608	7.405	7.185
1427202	at	4833442J91Rik	AV002340	Mm.274099	6	10.165	9.508	10.307	9.838	9.791	9.876	9.568	9.176	9.310	9.600	8.484	9.144	8.909	8.752	9.344	10.397	9.953	10.232	10.566	10.190	10.087	10.390	10.202	10.564
1427203	at	Mv015b	BF581819	Mm.308940	11	8.041	7.487	7.833	7.814	7.806	7.607	7.851	8.065	7.583	7.621	7.781	7.714	7.763	7.909	7.921	7.910	8.044	7.844	7.818	8.060	7.960	7.809	7.868	7.893
1427204	at	Rd3	BE950435	Mm.274393	1	4.313	4.181	4.488	4.348	4.283	4.366	4.310	4.351	4.211	4.254	4.308	4.170	4.405	4.248	4.389	4.278	4.186	4.165	4.234	4.559	4.202	4.204	4.442	4.289
1427205	x at	Ccl46	M0445801	Mm.244641	11	7.844	7.255	7.742	7.459	7.742	7.508	7.423	7.634	7.428	7.514	7.428	7.514	7.428	7.514	7.428	7.514	7.428	7.514	7.428	7.514	7.428	7.514	7.428	7.514
1427206	at	Alf32	AW546149	Mm.426052	18	9.430	9.980	9.731	9.643	9.795	9.500	9.640	9.792	9.659	9.750	9.735	9.807	9.310	9.614	9.700	9.805	9.781	9.819	9.775	9.818	9.679	9.764	9.703	9.987
1427207	at	AW546149	Mm.426052	18	11.262	11.601	11.501	11.434	11.645	11.292	11.540	11.650	11.543	11.597	11.546	11.610	11.244	11.529	11.431	11.540	11.721	11.622	11.517	11.532	11.561	11.514	11.468	11.721	11.721
1427208	at	Zfp451	BC024435	Mm.289103	1	7.800	7.941	8.088	8.078	8.170	8.167	8.117	7.763	8.231	8.518	8.115	8.346	8.255	8.044	8.337	8.125	7.854	8.105	8.056	7.855	7.881	8.045	8.311	8.194
1427209	at	Baz2a	AW910654	Mm.252213	10	6.350	6.392	6.024	6.190	6.279	6.267	6.303	6.578	6.353	6.374	6.300	6.329	6.331	6.249	6.200	6.282	6.351	6.359	6.106	6.316	6.404	6.319	6.214	6.385
1427210	at	Baz2a	AW910654	Mm.252213	10	7.936	8.093	8.046	7.980	8.061	7.898	7.992	7.921	7.925	7.918	7.843	8.034	7.813	7.821	7.890	7.948	8.024	7.992	7.856	7.685	7.976	7.880	7.885	7.989
1427211	at	Krtap8-1	AA77386	Mm.13979	16	6.357	6.022	6.161	6.																				

1427253	s	at	Suz12	BG066534	Mm.283410	11	8.564	8.608	8.527	8.530	8.627	8.601	8.550	8.665	8.386	8.541	8.652	8.468	8.535	8.684	8.481	8.800	8.864	8.609	8.601	8.472	8.573	8.650	8.560	8.673	
1427254	at		Zfp445	BI729900	Mm.326477	9	9.573	9.937	9.728	9.508	9.673	9.665	9.397	9.146	9.169	9.264	8.092	9.177	9.033	9.417	9.389	9.710	9.344	9.548	9.557	9.608	9.567	9.646	9.772	9.692	
1427255	s	at	Zfp445	BI729900	Mm.326477	9	8.776	8.788	8.843	8.597	8.727	8.735	8.763	8.684	8.323	8.583	8.528	8.422	8.363	8.586	8.575	8.846	8.773	8.378	8.667	8.638	8.926	8.832	8.955	8.905	
1427256	at		Vcan	BM251152	Mm.158700	13	8.810	9.463	8.254	8.145	9.356	8.780	8.208	8.655	9.709	9.686	9.740	9.936	9.280	9.553	9.099	8.346	7.421	8.133	8.327	7.211	7.709	7.564	8.297	7.861	
1427257	at		Vcan	BM251152	Mm.158700	13	7.539	8.287	7.160	7.136	8.064	7.656	7.384	8.005	8.633	8.240	8.217	7.641	8.008	7.971	7.458	7.326	7.133	7.221	7.272	7.007	6.983	6.949	7.181	6.929	
1427258	at		Trim24	BB611004	Mm.41063	6	9.104	9.305	9.198	9.218	9.246	9.305	9.090	9.226	9.342	9.316	9.126	9.367	9.247	9.130	9.241	9.226	9.173	9.101	9.086	8.098	9.062	9.265	9.112	9.188	
1427259	at		Trim24	BB611004	Mm.41063	6	7.039	7.330	7.280	7.306	7.265	7.309	7.240	7.367	7.381	7.329	7.205	7.233	7.285	7.281	7.345	7.175	7.154	7.229	7.035	7.308	7.233	7.209	7.354	7.226	
1427260	a	at	Tpm3	X53753	Mm.240839	3	11.468	12.555	11.425	11.480	11.782	11.631	11.685	11.810	12.240	12.068	12.281	11.745	11.743	12.567	11.905	11.474	10.987	11.047	11.211	11.012	11.184	11.284	11.539	11.397	
1427261	at		Wwc1	BO176786	Mm.31267	11	5.705	5.357	5.379	5.416	5.334	5.242	5.338	5.495	5.462	5.194	5.440	5.292	5.433	5.274	5.249	5.309	5.426	5.489	5.498	5.244	5.300	5.265	5.254	5.363	
1427262	at		Xist	L04961	Mm.274770	X	5.909	5.670	5.916	5.969	5.930	5.771	5.890	5.776	5.788	5.803	6.007	5.759	5.694	5.891	5.756	5.831	5.795	5.721	5.879	5.918	5.922	5.928	6.106	5.962	
1427263	at		Xist	L04961	Mm.274770	X	5.276	4.890	5.240	5.272	4.495	4.947	5.187	5.091	5.018	5.126	5.170	5.011	5.157	5.079	5.128	5.200	5.086	5.060	5.247	5.256	5.135	5.181	5.311	5.175	
1427264	at		Cryab	BG067914	Mm.440053	1	5.321	5.265	5.219	5.166	5.015	5.275	5.441	5.253	5.320	5.186	5.286	5.284	5.213	5.334	5.205	5.190	5.258	5.225	5.202	5.264	5.415	5.255	5.232	5.363	
1427265	at		Bcr	AI059148	Mm.333722	10	5.954	5.713	5.667	5.640	5.678	5.646	5.517	5.829	5.669	5.686	6.047	5.560	5.693	5.721	5.816	5.664	5.611	5.625	5.732	5.786	5.564	5.470	5.676	5.693	
1427266	at		Pbrm1	BG065752	Mm.27913	14	10.226	10.321	10.060	10.108	10.289	10.137	10.041	10.415	10.219	10.128	10.106	10.205	10.233	10.041	10.137	10.155	10.429	10.105	10.176	10.135	10.216	10.601	10.014	10.189	
1427267	at		Tnrc18	BC025631	Mm.354649	5	7.250	7.762	6.782	7.159	7.428	6.865	6.937	7.875	8.034	7.554	7.143	7.674	7.478	7.071	6.833	6.760	8.107	7.728	7.144	6.790	7.580	7.829	6.892	6.847	
1427268	at		Flo	J03458	Mm.422600	4	3.408	4.191	4.347	4.443	4.373	4.581	4.401	4.440	4.316	4.419	4.476	4.503	4.426	4.451	4.428	4.492	4.490	4.408	4.458	4.429	4.545	4.526	4.446	4.728	
1427269	at		Sfrs11	AW261583	Mm.223946	3	7.187	7.636	7.310	7.117	7.346	7.462	7.346	7.242	7.469	7.587	7.263	7.340	7.310	7.542	7.307	7.334	7.093	7.153	7.311	7.111	7.168	7.330	7.221	7.326	
1427270	a	at	Bsdcl	BF729638	Mm.17918	4	10.122	9.741	10.090	9.913	9.854	9.867	9.819	9.720	9.594	9.702	9.609	10.129	10.039	9.609	9.830	10.010	9.908	9.954	9.679	9.785	9.963	9.982	9.913	9.908	
1427271	at		Zbtb44	BC027138	Mm.239355	9	8.189	8.499	8.310	8.319	8.511	8.314	8.632	8.418	8.469	8.677	8.515	8.381	8.598	8.357	8.901	8.403	8.567	8.353	8.511	8.612	8.654	8.697	8.982	9.117	
1427272	at		NA	BC027138	NA	9	5.894	5.918	5.976	5.888	6.030	6.092	5.988	5.878	5.725	5.859	6.059	5.901	5.985	6.004	6.233	6.028	5.809	5.965	5.976	6.100	5.879	5.788	6.269	5.966	
1427273	at		AV254847	Mm.3255	9	8.537	8.752	8.451	8.590	8.606	8.525	8.540	8.520	8.506	8.783	8.547	8.688	8.534	8.627	8.601	8.701	8.492	8.533	8.562	8.628	8.458	8.301	8.800	8.682		
1427274	at		Rtn124	AV254847	Mm.3255	9	8.449	8.392	8.584	8.562	8.332	8.335	8.304	8.249	8.384	8.504	8.216	8.698	8.440	8.284	8.401	8.702	8.189	8.379	8.436	8.341	8.001	8.392	8.614	8.540	
1427275	at		Smc4	BI665568	Mm.206841	3	8.405	9.948	8.169	8.430	9.207	8.359	8.645	8.921	9.957	9.637	9.136	9.528	9.526	9.395	9.128	8.195	8.832	8.749	8.393	8.017	8.736	9.061	8.023	7.961	
1427276	at		Smc4	BI665568	Mm.206841	3	7.755	9.129	7.621	7.835	8.542	7.804	7.740	8.939	8.872	8.943	8.670	8.436	8.493	8.655	8.382	7.454	8.032	7.910	7.775	7.661	7.893	8.289	7.531	7.628	
1427277	at		Six1	BB137929	Mm.4645	12	4.598	4.340	4.386	4.331	4.450	4.328	4.369	4.423	4.251	4.492	4.394	4.391	4.346	4.272	4.249	4.386	4.431	4.471	4.352	4.478	4.440	4.438	4.498	4.566	
1427278	at		Cltp4	AK017914	Mm.196382	17	11.946	11.907	11.737	11.943	11.868	11.807	11.814	12.168	11.729	11.787	11.673	12.033	11.956	11.643	11.542	11.737	12.291	11.903	11.817	11.748	11.840	12.049	11.449	11.501	
1427279	at		Cltp4	AK017914	Mm.196382	17	10.923	10.900	10.910	10.906	10.127	10.315	10.006	10.332	10.100	10.006	10.332	10.100	10.006	10.332	10.100	10.006	10.332	10.100	10.006	10.332	10.100	10.006	10.332	10.100	10.006
1427280	at		Scn2a1	AV338343	Mm.203039	2	4.562	4.475	5.691	5.548	5.202	5.695	5.767	5.656	5.716	5.656	5.716	5.656	5.716	5.656	5.716	5.656	5.716	5.656	5.716	5.656	5.716	5.656	5.716	5.656	
1427281	at		Scn2a1	AV338343	Mm.203039	2	4.294	4.354	4.277	4.272	4.253	4.277	4.304	4.149	4.249	4.173	4.259	4.229	4.483	4.113	4.315	4.262	4.116	4.270	4.364	4.347	4.282	4.242	4.380	4.295	
1427282	a	at	Av007132	Mm.7319	19	9.750	9.644	9.723	9.762	9.464	9.754	9.805	9.819	9.193	9.208	9.715	9.396	9.302	9.206	9.424	9.663	10.322	10.091	9.905	9.882	10.117	10.217	9.853	9.778		
1427283	at		Mill1	AK017541	Mm.2389	9	9.759	9.484	9.673	9.773	9.901	9.670	9.510	9.755	9.712	9.671	9.806	9.892	9.909	9.539	9.652	9.757	9.799	9.730	9.458	9.497	9.620	9.823	9.759	9.763	
1427284	a	at	Ttpa	AU019171	Mm.24375	4	5.592	5.288	5.631	5.745	5.636	5.958	5.717	5.632	5.484	5.561	5.717	5.521	5.515	5.528	5.467	5.578	5.627	5.543	5.762	5.732	5.653	5.643	5.614	5.857	
1427285	s	at	Malat1	AV012617	Mm.298256	19	9.020	8.675	8.818	8.851	8.415	9.224	9.005	8.631	8.062	8.100	8.125	8.276	8.176	8.364	8.283	9.372	8.055	8.059	8.472	8.350	7.888	8.427	8.480	8.669	
1427286	at		D11Bw0517e	BB130195	Mm.341103	11	5.147	4.968	5.071	5.096	5.231	4.880	5.144	5.262	5.092	4.927	5.163	5.133	5.220	5.037	5.241	5.265	5.459	5.189	5.439	5.336	5.099	5.310	5.172	5.446	
1427287	at		Ucp2	BE502132	Mm.4657	6	9.099	9.403	9.122	9.105	9.058	8.809	8.739	9.093	9.203	8.954	9.053	8.996	9.212	8.922	9.285	9.025	8.998	9.025	8.998	9.025	8.998	9.025	8.998	9.025	
1427288	at		Aha2	BE952331	Mm.4657	7	7.372	6.894	7.140	7.258	6.965	7.209	7.180	7.279	7.056	6.977	6.972	7.088	6.935	7.009	7.232	7.118	7.021	7.049	6.977	7.039	7.082	7.111	7.189	7.129	
1427289	at		Dhdh1	AV255534	Mm.121918	14	4.508	4.243	4.227	4.326	4.276	4.289	4.206	4.313	4.274	4.112	4.212	4.068	4.075	4.243	4.256	4.239	4.402	3.969	3.942	4.197	4.334	4.291	4.623	4.179	
1427290	at		Krt81	AF312018	Mm.347394	15	9.080	8.695	9.118	8.956	8.737	8.775	8.987	8.918	8.826	8.679	8.843	8.671	8.797	8.774	8.765	8.907	8.797	8.824	8.923	9.020	8.968	8.742	8.969	8.865	
1427291	at		Sycp1	AV275615	Mm.243849	3	4.929	4.686	4.794	4.726	4.594	4.888	4.696	4.733	4.671	4.899	4.834	4.560	4.728	4.672	4.731	4.827	4.594	4.704	4.832	5.179	4.599	4.635	4.431	8.815	
1427292	at		Iql-17	BI676554	Mm.326349	16	3.809	3.817	3.774	3.749	3.592	3.695	3.808	3.806	3.678	3.702	3.728	3.761	3.611	3.619	3.658	3.763	3.613	3.710	3.736	3.930	3.655	3.727	3.723	3.737	
1427293	a																														

1427342	at	Fastkd1	BC023501	Mm.289566	2	9.241	9.057	9.328	9.154	9.021	9.297	9.035	9.215	8.679	8.773	8.268	9.168	8.860	8.700	8.818	9.219	9.649	9.598	9.187	9.331	9.452	9.460	9.057	9.251
1427343	at	Rasd2	BC026377	Mm.179267	8	7.735	7.229	7.496	7.707	7.214	7.322	7.320	7.309	6.991	6.903	7.053	7.152	7.024	7.050	7.172	7.358	7.610	7.458	7.260	7.378	7.709	7.565	7.355	7.251
1427344	s at	Rasd2	BC026377	Mm.179267	8	8.723	8.090	8.802	8.549	8.157	8.513	8.326	8.501	8.019	8.088	8.171	8.290	7.943	7.593	8.158	8.615	8.900	8.711	8.452	8.403	8.807	8.615	8.444	8.460
1427345	a at	Sulf1a1	AK002700	Mm.368982	7	10.261	9.482	10.541	9.928	9.988	10.044	9.633	10.368	9.289	9.392	9.642	9.994	10.039	9.359	10.635	10.576	10.442	10.162	10.282	10.309	10.718	11.019	10.502	10.703
1427346	at	Ctse	X66606	Mm.420007	4	4.126	4.179	4.179	4.126	4.207	4.340	4.213	4.219	4.176	4.019	4.400	4.306	4.139	4.155	4.095	4.091	4.238	4.408	4.254	4.115	4.183	4.204	4.093	4.407
1427347	s at	Bub2a	BC003475	Mm.469917	13	11.453	12.906	10.837	11.083	11.729	10.984	11.613	12.505	13.191	12.725	12.220	12.016	11.901	12.780	11.571	10.752	10.928	11.181	11.083	10.393	11.049	11.101	11.072	10.732
1427348	at	Zc3h12a	BC006817	Mm.402	4	5.982	5.801	5.419	5.423	5.733	5.373	5.501	5.641	6.031	5.889	6.005	5.948	5.851	5.744	5.535	5.708	5.536	5.393	5.248	5.653	5.463	5.515	5.545	
1427349	x at	2810021G02Rik	AJ129776	Mm.381194	2	7.356	7.834	7.554	7.480	7.572	7.366	7.618	7.850	7.539	7.709	7.232	7.784	7.494	7.491	7.526	7.476	7.602	7.422	7.266	7.121	7.718	7.787	7.597	7.381
1427350	a at	Gtpb6	AJ293619	Mm.86267	5	9.012	9.259	8.860	9.056	9.133	8.885	8.867	9.239	9.280	9.172	9.257	9.165	9.188	9.170	9.060	8.877	9.262	9.084	8.948	9.068	9.196	9.185	9.012	9.012
1427351	s at	Iqh-6	BB226392	Mm.304472	12	7.754	8.518	7.811	8.326	8.322	8.467	8.124	8.499	8.766	8.300	7.919	8.435	8.367	8.524	7.987	7.753	8.152	8.105	7.987	8.072	8.121	8.058	7.426	7.561
1427352	at	Krt179	BC019155	Mm.162744	15	6.448	6.267	6.324	6.328	6.285	6.472	6.158	6.152	6.248	6.121	5.984	6.194	6.212	6.105	6.084	6.188	6.291	6.227	6.154	6.233	6.002	6.293	6.256	5.871
1427353	at	Classp1	BB190028	Mm.138740	1	6.389	6.525	6.364	6.738	6.284	6.473	6.472	6.417	6.096	6.098	6.379	6.590	6.330	6.151	7.959	6.485	6.995	6.725	6.834	6.325	6.950	6.903	6.013	8.174
1427354	at	Hoxa4	AV135424	Mm.439647	6	4.747	4.581	4.819	4.730	4.671	4.434	4.445	4.663	4.558	4.389	4.796	4.504	4.600	4.599	4.584	4.583	4.589	4.602	4.512	4.565	4.444	4.695	4.527	4.579
1427355	at	Calca	X97991	Mm.4361	7	6.592	6.142	6.782	6.329	6.641	6.736	6.511	6.504	6.545	6.077	6.659	6.234	6.534	6.381	6.618	6.529	6.443	6.563	6.677	6.667	6.326	6.677	6.519	6.638
1427356	at	2310031A18Rik	BC023460	Mm.271600	8	6.923	6.427	6.765	6.851	6.764	6.639	6.745	6.851	6.649	6.310	7.087	6.443	6.777	6.762	6.535	6.553	6.691	6.755	6.628	6.531	6.703	6.765	7.005	6.686
1427357	at	Cda	AK008793	Mm.46182	4	6.768	7.250	6.628	6.675	7.059	6.482	6.510	7.337	7.380	7.264	6.843	7.325	7.207	6.664	6.762	6.852	6.711	6.457	6.563	6.604	6.672	6.727	6.585	6.312
1427358	a at	Dapk1	BC026671	Mm.24103	13	8.131	8.260	8.124	8.481	8.472	8.235	8.502	8.302	8.554	8.572	8.159	8.605	8.560	8.585	8.501	8.281	8.540	8.458	8.329	8.361	8.555	8.524	8.484	8.588
1427359	at	Jhdm1d	BG067970	Mm.293175	6	5.893	5.697	6.044	5.780	5.745	5.891	5.819	5.714	5.653	5.566	5.399	5.627	5.488	5.740	5.624	6.025	5.386	5.529	5.787	5.737	5.717	5.480	6.182	6.188
1427360	at	493507D05Rik	BB242046	Mm.402550	10	5.775	5.616	5.743	5.685	5.595	5.750	5.681	5.770	5.609	5.588	5.628	5.626	5.376	5.578	5.618	5.742	5.691	5.731	5.685	5.818	5.719	5.499	5.697	5.611
1427361	at	Hoxc6	BB440143	Mm.4444	15	8.165	7.668	8.120	8.045	7.872	8.018	8.114	8.059	7.879	7.712	8.045	7.850	8.005	7.921	7.964	8.181	8.098	8.123	8.016	8.215	8.172	8.110	8.216	8.325
1427362	x at	Hoxc6	BB440143	Mm.4444	15	8.165	7.887	8.074	8.102	7.886	8.138	8.171	8.130	7.984	7.860	8.143	7.783	7.794	7.999	8.155	8.248	8.127	8.179	8.206	8.244	8.250	7.933	8.662	8.291
1427363	at	Ndc	BC003304	NA	NA	7.981	7.571	8.223	8.482	8.169	8.485	8.257	7.843	8.138	8.106	7.979	7.786	7.779	7.823	8.142	8.160	8.559	8.399	8.337	8.522	8.229	8.382	8.644	8.344
1427364	a at	Odc1	S64539	Mm.34102	12	9.106	10.132	8.738	8.667	9.032	8.849	8.940	9.007	8.952	9.616	9.933	8.997	8.947	9.922	9.100	8.881	8.795	8.808	9.002	9.068	8.919	8.746	9.080	8.938
1427365	at	Krt86	X99143	Mm.383183	15	7.178	6.629	6.787	7.044	6.633	6.695	6.853	6.886	6.841	6.646	6.957	6.756	6.816	6.831	6.685	6.727	6.763	6.791	6.783	6.856	7.054	6.796	7.036	6.987
1427366	at	Krtap3-1	AV023513	Mm.158274	11	8.693	8.283	8.482	8.693	8.636	8.411	8.525	8.691	8.658	8.567	8.604	8.408	8.647	8.572	8.573	8.624	8.813	8.737	8.602	8.681	8.897	8.717	8.733	8.981
1427367	at	Efcab4a	BC026645	Mm.386851	7	8.274	8.574	9.008	9.250	8.999	8.975	8.882	8.744	8.669	8.868	8.648	8.987	8.954	8.897	9.010	9.168	9.208	9.218	9.159	9.275	9.248	9.049	9.247	9.202
1427368	x at	Fezf	Mm.489527	Mm.386851	7	8.274	8.574	9.008	9.250	8.999	8.975	8.882	8.744	8.669	8.868	8.648	8.987	8.954	8.897	9.010	9.168	9.208	9.218	9.159	9.275	9.248	9.049	9.247	9.202
1427369	at	Scn1b	BB071293	Mm.386853	7	8.274	8.574	9.008	9.250	8.999	8.975	8.882	8.744	8.669	8.868	8.648	8.987	8.954	8.897	9.010	9.168	9.208	9.218	9.159	9.275	9.248	9.049	9.247	9.202
1427370	at	Amdh81	BC005066	Mm.244518	10	4.692	4.587	4.401	4.964	4.635	4.792	4.890	4.691	4.696	4.539	4.791	4.630	4.757	4.783	4.737	4.927	4.736	5.049	5.059	4.982	4.751	4.732	4.741	4.773
1427371	at	Abca8a	BC026496	Mm.344148	11	11.593	11.327	11.607	11.941	12.190	12.085	11.943	11.773	11.312	11.748	11.138	12.200	12.081	11.375	11.816	11.628	11.766	11.616	11.685	11.643	11.830	11.845	11.371	11.347
1427372	at	Cyp27b1	BM119774	Mm.6216	10	6.124	5.628	5.849	5.858	5.875	6.067	5.990	5.845	5.839	5.846	6.111	5.772	5.657	6.087	5.836	5.795	6.019	6.011	5.997	6.269	6.133	5.936	6.293	5.931
1427373	at	Amigo1	BC010598	Mm.275752	3	7.319	7.355	7.114	7.203	7.107	7.122	7.216	7.234	7.178	7.179	7.154	7.027	7.171	7.131	7.167	7.288	7.169	7.279	7.108	7.178	7.193	7.065	7.120	7.169
1427374	at	Muc3	AF027131	Mm.7184	5	6.032	5.923	6.042	6.272	5.993	5.984	5.955	6.182	5.993	6.079	5.987	5.968	5.912	6.159	5.917	6.120	6.242	5.906	6.015	5.817	6.147	6.020	6.140	6.014
1427375	at	R9bmd2	BB193038	Mm.471692	3	7.324	6.099	7.399	7.370	7.401	7.363	7.398	7.200	7.730	7.630	7.886	7.239	7.455	7.783	7.308	7.456	7.182	7.303	7.230	7.393	7.150	7.152	7.537	7.401
1427376	at	Muc4	AF218265	Mm.214596	12	6.348	6.456	6.787	5.965	6.799	6.869	6.320	6.630	6.925	6.345	6.274	6.852	6.945	6.973	6.825	6.905	6.934	6.905	6.925	6.934	6.905	6.925	6.934	6.905
1427377	x at	Hsd3b3	MY7015	Mm.158717	3	8.505	8.261	8.630	8.575	8.261	8.409	8.576	8.380	8.023	8.094	8.393	8.227	8.363	8.194	8.460	8.475	8.486	8.575	8.519	8.458	8.495	8.269	8.423	8.719
1427378	at	Krt75	AF343088	Mm.106868	7	7.248	6.583	7.080	6.861	6.784	6.986	7.016	6.776	6.899	6.670	7.086	6.650	6.915	6.868	7.088	7.023	6.852	6.870	6.663	7.003	6.912	6.740	7.151	7.247
1427379	at	Pnpla6	BC020092	Mm.23085	8	7.154	6.722	6.908	6.861	7.075	6.764	6.727	6.894	6.858	6.945	6.829	7.023	7.058	6.806	7.046	6.998	7.068	7.136	7.013	6.949	7.005	7.317	6.997	6.837
1427380	at	Klik1b3	X01389	Mm.439740	7	4.719	4.365	4.678	4.600	4.468	4.754	4.645	4.651	4.484	4.430	4.702	4.528	4.702	4.749	4.623	4.714	4.578	4.482	4.473	4.660	4.912	4.621	4.400	4.698
1427381	at	Irf1	L38281	Mm.4662	14	6.336	6.204	6.238	6.140	6.257	6.389	6.505	6.365	6.143	6.258	6.670	6.251	6.319	6.299	6.351	6.285	6.287	6.312	6.326	6.410	6.272	6.111	6.541	6.419
1427382	a at	Spr39h1	AF193862	Mm.9244	X	7.719	8.327	7.703	7.807	7.863	7.725	7.693	7.801	8.194	8.093	7.835	7.740	7.676	8.229	7.771	7.741								

1427431	at	NA	BC008189	NA	NA	6.326	5.942	6.467	6.074	6.075	6.038	6.131	6.085	5.955	5.973	6.165	5.941	5.982	6.141	6.206	6.101	5.838	6.124	6.126	6.208	6.098	6.017	6.290	6.259		
1427432	a	at	Sfrs10	BM238387	Mm.210352	16	10.872	11.196	10.833	10.569	10.804	10.688	10.894	11.024	10.648	10.801	11.215	10.801	10.469	11.068	10.979	10.687	10.456	10.460	10.452	10.378	10.830	10.971	11.126	10.943	
1427433	s	at	Hoxa3	BB496114	Mm.159945	6	5.359	5.152	5.183	4.844	5.281	5.354	5.129	5.247	5.378	5.146	5.347	5.383	5.392	5.272	5.406	5.258	5.244	5.520	5.303	5.308	5.478	5.075	5.309	5.281	
1427434	at		Birc1	A1451585	Mm.218759	13	8.025	7.789	7.955	7.770	7.705	7.794	7.828	7.747	7.839	7.945	7.768	7.723	7.658	7.894	7.694	7.844	7.761	7.660	7.709	7.865	7.688	7.689	7.743	7.809	
1427435	at	NA	NA	BC0023100	NA	7	7.239	6.570	7.066	7.108	6.867	7.064	7.142	7.124	6.795	6.850	7.168	6.786	6.938	7.324	7.184	7.090	6.911	7.140	7.241	7.247	7.058	7.288	7.182		
1427436	at	NA	Siv2	D831476	Mm.5039	17	7.969	7.665	7.911	8.039	7.996	7.835	8.009	8.202	7.933	8.105	8.111	8.133	8.193	8.130	7.788	8.060	7.957	8.191	8.019	8.160	7.774	7.900	7.782		
1427437	at	NA	NA	BC019134	NA	6	6.422	6.300	6.090	6.536	6.491	6.426	6.444	6.434	6.376	6.666	6.659	6.572	6.743	6.865	6.309	6.689	6.627	6.538	6.782	6.555	6.727	6.579	6.528	6.498	6.355
1427438	at		Pip4k2b	BB143008	Mm.39700	11	4.278	4.048	4.140	4.178	4.152	4.284	4.112	4.123	4.095	4.229	4.110	3.989	4.198	4.051	4.126	4.191	4.178	4.341	4.060	4.321	4.067	4.344	4.450	4.176	
1427439	s	at	Prrnt5	AF167573	Mm.196585	14	9.177	9.538	9.260	9.340	9.245	9.384	9.199	8.968	9.093	9.110	9.240	9.210	9.093	9.251	9.061	9.238	9.295	9.403	9.346	9.303	9.196	9.061	8.995	9.229	
1427440	a	at	Atm	AJ011080	Mm.348786	5	6.818	6.549	6.650	6.600	6.635	6.619	6.565	6.686	6.727	6.313	6.745	6.252	6.682	6.702	6.555	6.700	6.475	6.609	6.595	6.593	6.488	6.395	6.551	6.701	
1427441	a	at	Suc1c2	BF608645	Mm.371585	6	9.806	9.001	9.991	9.956	8.963	9.697	9.583	9.164	8.112	8.680	8.996	8.825	8.862	8.909	9.246	9.796	9.576	9.392	9.613	9.711	9.739	10.075	9.756	10.002	
1427442	a	at	App	BC005940	Mm.277585	16	12.259	12.666	12.336	12.441	13.111	12.620	12.375	12.336	13.045	13.064	12.557	13.027	13.251	12.839	12.960	12.415	11.899	12.069	12.349	12.112	12.159	12.024	12.406	12.435	
1427443	at	NA	NA	BF162286	NA	14	4.936	4.719	5.010	4.927	4.812	4.974	5.133	4.837	4.925	4.904	5.053	4.639	4.910	4.678	4.940	4.975	5.069	5.059	5.045	5.050	5.019	4.897	4.974	5.020	
1427444	at		Abcf1	BF236176	Mm.329022	17	6.298	6.147	6.344	6.117	6.266	6.341	6.281	6.313	6.247	6.289	6.194	6.212	6.105	6.230	6.124	6.231	6.307	6.224	6.167	6.379	6.286	6.136	6.387	6.269	
1427445	a	at	Ttn	BC025840	Mm.373672	2	14.847	14.670	14.851	14.868	14.835	14.852	14.850	14.717	14.539	14.704	14.674	14.658	14.726	14.668	14.784	14.836	14.673	14.722	14.789	14.752	14.749	14.789	14.863	14.946	
1427446	s	at	Ttn	BC025840	Mm.373672	2	14.283	13.920	14.302	14.286	14.293	14.339	14.389	14.193	13.692	14.083	14.164	14.113	14.184	14.071	14.250	14.353	14.176	14.133	14.250	14.284	14.161	14.255	14.347	14.505	
1427447	a	at	Triobp	BC003984	Mm.123714	15	9.860	10.219	9.722	9.979	10.291	9.939	9.952	9.841	10.339	10.316	10.315	10.262	10.363	10.241	10.106	9.802	9.914	10.008	9.879	9.932	10.142	9.860	10.110	9.911	
1427448	at		Rabep1	MM273629	Mm.1087	11	6.544	6.436	6.429	6.360	6.401	6.315	6.332	6.609	6.411	6.588	6.462	6.356	6.606	6.381	6.433	6.373	6.497	6.327	6.106	6.086	6.433	6.522	6.284	6.408	
1427449	at		Adprh12	BC023177	Mm.11285	4	7.736	8.129	7.818	7.826	7.777	7.828	7.626	7.598	7.715	7.875	7.863	7.941	7.751	7.757	7.871	7.835	7.853	7.992	7.738	7.898	7.619	7.808	7.740	7.767	
1427450	x	at	Myo1b	BI060370	Mm.3390	1	8.200	8.306	8.095	8.115	8.151	8.140	8.322	8.228	8.175	8.236	8.533	8.161	8.290	8.418	8.206	8.073	8.219	7.888	8.021	8.133	8.102	8.067	8.197	8.104	
1427451	a	at	BC018473	AF118272	Mm.100084	11	5.748	6.249	6.137	6.146	6.753	6.284	6.288	5.711	6.059	5.827	6.122	6.458	6.430	5.898	6.068	6.158	6.091	6.232	5.389	5.837	6.480	7.545	6.669	6.760	
1427452	at		Rpl7	X57960	Mm.379004	1	7.922	7.700	7.696	7.826	7.839	7.757	7.768	7.797	7.823	7.609	8.005	7.616	7.826	7.951	7.917	7.820	7.924	7.785	7.736	8.081	7.864	7.723	7.880	7.674	
1427453	at		BC018473	BI556956	Mm.100084	11	4.844	4.579	4.825	4.797	4.725	4.727	4.956	4.834	4.711	4.747	4.824	4.659	4.881	4.796	4.643	4.920	4.903	4.927	4.903	5.192	4.814	4.789	4.808	4.789	
1427454	at		Hoxc6	AA048445	Mm.4444	15	5.870	5.728	5.869	5.881	5.714	5.697	5.873	5.775	5.809	5.718	5.744	5.725	5.678	5.862	5.786	5.665	5.740	5.769	5.778	5.771	5.828	5.763	5.637	5.714	
1427455	x	at	Ikq-V1	BI017286	Mm.333124	6	7.250	6.795	6.954	7.133	8.115	7.370	7.306	7.381	7.212	7.137	7.761	6.823	7.190	7.200	6.935	7.059	7.569	7.323	7.218	7.187	7.883	7.402	7.229	6.835	
1427456	at		Wdrf3	BF150771	Mm.335252	5	8.584	8.920	8.599	8.759	8.639	8.747	8.604	9.050	9.024	8.918	8.732	8.856	8.958	8.831	8.770	8.621	8.910	8.824	8.580	8.546	8.633	9.024	8.630	8.786	
1427457	a	at	Bmc1	Mm.27757	NA	14	5.243	5.603	5.248	5.268	5.695	5.307	5.248	5.441	5.393	5.468	5.461	5.383	5.796	5.400	5.842	6.254	5.506	5.407	5.664	5.507	5.623	5.423	5.645	5.438	
1427458	at		BC240860	MM27757	NA	14	6.935	6.515	6.544	6.704	6.676	6.576	6.576	6.586	6.525	6.533	6.736	6.408	6.577	6.635	6.681	6.577	6.635	6.681	6.577	6.635	6.681	6.577	6.635	6.681	
1427459	at		Ccn2	BC025836	Mm.290614	16	5.729	5.647	5.689	5.663	5.841	5.561	5.581	5.687	6.179	5.862	5.856	5.537	5.787	6.071	5.846	5.792	5.800	5.895	5.705	5.809	5.416	5.709	5.746	5.864	
1427460	at		Taf4a	BE632382	Mm.235542	2	7.894	7.881	7.958	8.376	8.054	8.203	7.917	7.747	7.577	7.717	7.793	7.510	7.748	7.696	7.781	8.096	7.903	8.125	8.034	8.082	7.967	8.080	8.000	8.304	
1427461	at	NA	NA	BI02160	NA	NA	7.717	7.464	7.893	7.620	7.425	7.507	7.548	7.307	7.249	7.489	7.562	7.343	7.574	7.417	7.677	7.750	7.624	7.565	7.626	7.869	7.555	7.496	7.646	7.943	
1427462	at		E2f3	BI989566	Mm.268356	13	6.685	6.485	6.426	6.674	6.485	6.496	6.525	6.570	6.627	6.541	6.637	6.659	6.675	6.494	6.442	6.429	6.502	6.643	6.476	6.521	6.394	6.346	6.346	6.433	
1427463	at		Casd1	BF584721	Mm.270703	6	6.490	6.305	6.593	6.428	6.051	6.473	6.426	6.522	6.294	6.354	6.538	6.337	6.385	6.349	6.454	6.299	6.506	6.480	6.622	6.567	6.530	6.454	6.493	6.515	
1427464	a	at	Hspa5	AJ002387	Mm.330160	2	11.950	12.091	11.917	11.981	11.297	11.944	11.724	11.714	11.790	11.945	11.905	11.473	11.350	11.997	11.474	11.920	12.162	12.020	11.632	12.109	12.076	11.999	12.140	12.099	
1427465	at		Abcg12	BC023629	Mm.290612	1	9.342	9.362	9.521	9.554	9.257	9.254	9.257	9.286	9.377	9.259	9.237	9.276	9.233	9.246	9.229	9.236	9.216	9.589	9.537	9.562	9.531	9.540	9.597	9.663	
1427466	at		Piaa	BC013076	Mm.5434	2	6.997	6.732	6.720	6.813	6.618	6.480	6.806	6.715	6.671	6.588	6.779	6.730	6.683	6.628	6.624	6.774	6.815	6.916	6.654	6.974	6.849	6.886	6.830	6.778	
1427467	a	at	Rpor	AJ238396	Mm.247556	X	5.341	5.390	5.581	5.328	5.405	5.466	5.442	5.539	5.239	5.581	5.185	5.653	5.152	5.372	5.408	5.529	5.442	5.141	5.183	5.149	5.488	5.708	5.428	5.468	
1427468	at		Pp3c3b	M81483	Mm.274432	14	8.870	8.818	8.870	8.978	8.750	9.122	9.012	8.783	8.501	8.780	8.742	8.701	8.678	8.765	8.952	9.068	8.805	8.711	8.996	9.015	8.802	8.779	9.028	9.211	
1427469	at		Hdz	AF125153	Mm.272047	11	7.403	7.318	7.482	7.491	7.367	7.339	7.251	7.587	7.327	7.348	6.699	7.664	7.378	7.028	7.372	7.486	7.861	7.721	7.281	7.251	7.748	8.001	7.923	7.145	
1427470	s	at	Naab	BM067119	Mm.234708	2	4.929	4.960	5.164	5.130	5.515	5.100	5.127	5.084	5.167	5.022	5.497	5.107	5.198	5.243	5.202	5.188	5.304	5.203	5.298	5.258	5.225	5.032	5.413	5.274	
1427471	at																														

1427520	a	at	Myh1	AJ293626	MM.422801	11	3.943	3.737	3.679	3.874	3.904	3.881	3.835	3.744	4.011	3.863	3.899	3.750	3.927	3.966	3.876	3.906	3.903	3.607	4.016	4.015	4.108	3.858	4.025	3.712	
1427521	a	at	Y930023K05Rik	BC023093	MM.156742	19	5.645	5.862	5.848	5.765	5.592	5.685	5.677	6.020	5.904	5.508	5.393	5.949	5.979	5.969	5.803	5.739	5.989	5.742	5.860	5.771	5.847	5.677	5.807	5.610	
1427522	at		Arhgap20	BB623455	MM.400352	9	9.570	8.552	9.516	9.100	8.890	9.266	9.045	9.048	7.494	8.521	8.707	8.859	8.678	8.521	9.450	9.552	9.367	9.387	9.360	9.564	9.425	9.780	9.749	10.132	
1427523	at		Six3	AI508029	MM.570208	17	6.046	5.865	6.016	5.984	5.889	5.826	6.029	5.873	5.926	5.790	5.989	5.866	5.888	5.814	5.814	5.763	5.860	5.900	5.736	6.004	5.930	6.074	6.000	6.092	
1427524	a	at	Mbls6436	MM.152466	14	5.347	5.264	5.230	5.171	5.155	5.160	4.986	5.414	5.159	5.150	5.018	5.110	5.142	5.202	5.135	5.135	5.662	5.581	5.682	5.123	5.409	5.133	5.193	5.119		
1427525	at		Ctlf151	L355649	MM.30246	7	8.492	8.143	8.313	8.427	8.326	8.477	8.202	8.435	8.299	8.232	8.200	8.204	8.223	8.147	8.234	8.255	8.308	8.234	8.340	8.401	8.341	8.298	8.249		
1427526	a	at	Fcd1lop2	AB041650	MM.333499	6	6.638	6.838	6.763	6.958	6.934	7.029	6.870	6.652	6.781	7.131	6.601	6.863	6.552	6.613	7.011	6.775	6.837	7.048	6.860	6.794	6.578	6.744	7.786	6.829	
1427527	a	at	Pthlh	BI685341	MM.28440	6	4.897	4.776	4.949	4.783	4.825	4.753	4.827	5.111	4.686	4.882	4.854	5.207	4.919	4.948	4.772	4.855	4.847	4.754	4.844	4.721	5.040	4.731	4.943	5.131	
1427528	a	at	Epha7	X79084	MM.257266	4	5.581	5.294	5.497	5.712	5.524	5.605	5.438	5.648	5.412	5.619	5.533	5.420	5.755	5.413	5.561	5.602	5.898	5.716	5.771	5.750	5.784	5.858	5.685	5.883	
1427529	at		Fzd9	Y17709	MM.6256	5	7.447	7.101	7.145	7.321	7.394	7.268	7.376	7.291	7.284	7.231	7.358	7.141	7.303	7.364	7.260	7.261	7.309	7.379	7.310	7.165	7.254	7.265	7.379	7.311	
1427530	at		Bicd1	BB658793	MM.177181	6	7.570	7.565	7.482	7.507	7.717	7.449	7.575	7.351	7.357	7.480	7.758	7.475	7.302	7.480	7.481	7.552	7.346	7.520	7.454	7.469	7.545	7.660	7.524	7.588	7.670
1427531	a	at	Sic2a118	BF577497	MM.271740	7	8.027	7.744	7.854	7.810	7.808	7.775	7.909	7.872	7.728	7.631	6.998	7.687	7.824	7.646	7.702	7.918	7.812	7.832	7.808	7.817	7.818	7.807	8.037	7.825	
1427532	at		Trail	BB627292	MM.167298	16	3.862	3.992	3.950	3.919	3.860	3.883	3.850	3.827	3.903	3.937	3.979	3.880	3.906	3.892	3.963	4.019	3.835	4.033	4.115	4.118	3.977	3.852	3.899	4.082	
1427533	at		Als2c	BM022919	MM.86338	9	7.248	7.255	7.237	7.327	7.262	7.071	7.145	7.260	7.317	7.154	7.398	7.256	7.118	7.386	7.139	7.154	7.078	7.055	7.129	7.210	7.332	7.217	7.384	7.151	
1427534	at		4930535I16Rik	BB617849	MM.220922	4	6.975	6.924	7.058	7.002	7.054	6.729	7.123	7.140	6.991	6.988	7.279	6.981	7.057	7.257	7.016	6.977	6.718	6.992	6.983	7.110	7.119	6.791	7.126	6.885	
1427535	s	at	Obsl1	BC025848	MM.236454	1	8.271	8.495	8.312	8.393	8.488	8.266	8.293	8.309	8.902	8.731	8.366	8.489	8.674	8.506	8.437	8.457	8.300	8.177	8.500	8.361	8.367	8.153	8.360	8.448	
1427536	at		NA	AI615965	NA	NA	6.727	6.612	6.994	6.673	6.700	6.901	6.806	6.670	6.331	6.502	6.497	6.580	6.629	6.699	6.787	6.851	6.880	6.985	6.704	6.792	6.672	6.732	6.627	6.842	
1427537	at		Eppk1	BC026387	MM.259929	15	7.517	8.126	7.325	7.585	7.797	7.496	7.589	8.051	8.887	8.816	8.050	8.346	8.372	8.282	8.574	7.240	7.607	7.388	7.641	7.570	7.707	7.357	7.175	7.525	7.168
1427538	at		Zfp369	AJ319726	MM.151546	13	5.426	5.104	5.210	5.088	5.073	4.902	5.037	5.153	5.093	5.043	5.112	4.875	5.228	5.026	5.541	5.263	5.151	5.018	5.091	5.140	5.144	5.204	5.019	5.118	
1427539	a	at	Zwint	BC013559	MM.62876	10	7.081	6.834	6.871	6.900	7.271	6.929	6.993	7.457	8.437	8.203	8.375	7.624	7.641	8.183	7.488	6.873	6.974	6.839	6.737	6.283	6.942	7.118	6.814	6.690	
1427540	at		Zwint	BC013559	MM.62876	10	5.471	5.760	5.245	5.281	5.568	5.290	5.355	5.228	5.193	5.469	5.573	5.302	5.290	5.495	5.541	5.223	4.978	4.935	5.415	5.018	5.321	5.109	5.449	5.432	
1427541	x	at	Hmnr	X64550	MM.116997	11	6.744	7.189	6.777	6.697	6.866	6.850	6.822	7.226	7.446	7.244	7.357	6.813	7.045	7.901	7.091	6.799	6.580	6.440	6.771	6.742	6.707	6.658	6.456	6.661	6.562
1427542	at		Sobp	BC027318	MM.153750	10	8.190	8.227	8.025	8.324	8.064	8.055	8.026	8.151	7.945	7.758	7.992	7.907	8.030	7.592	7.349	8.080	8.625	8.481	7.998	8.244	8.349	8.487	7.964	7.716	
1427543	s	at	Ube1y1	X62515	MM.422949	Y	6.585	6.582	6.625	6.552	6.623	6.515	6.540	6.757	6.507	6.588	6.574	6.463	6.557	6.507	6.530	6.553	6.603	6.639	6.601	6.619	6.582	6.584	6.601	6.467	
1427544	a	at	Paola1	U58135	MM.255877	12	7.392	7.500	7.407	7.325	7.294	7.477	7.609	7.474	7.257	7.543	7.426	7.637	7.328	7.387	7.424	7.392	7.546	7.800	7.672	7.480	7.379	7.672	7.416	7.494	
1427545	at		Scm41	AF397911	MM.98731	10	4.785	4.518	4.538	4.752	4.493	4.519	4.452	4.669	4.396	4.542	4.421	4.425	4.526	4.486	4.525	4.481	4.505	4.490	4.619	4.643	4.518	4.453	4.508	4.604	
1427546	a	at	Alpbab	MM.248766	11	7.392	7.382	7.375	7.275	7.392	7.813	7.706	7.340	7.412	7.767	7.666	7.386	7.384	7.402	7.349	7.402	7.349	7.147	7.309	7.147	7.309	7.147	7.309	7.147	7.309	
1427547	a	at	Scm2639	BC022639	MM.382821	11	5.582	5.100	5.553	4.773	5.458	5.458	5.458	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553	5.418	5.553
1427548	a	at	Clns1a	US3455	MM.21482	7	7.758	8.074	7.970	7.972	7.845	8.082	7.938	7.921	7.785	7.930	7.961	7.853	7.760	8.122	7.835	7.921	7.878	7.895	8.113	8.079	7.651	7.747	7.973	8.035	
1427549	s	at	Krtap16-3	AV294513	MM.251757	16	4.826	4.683	4.908	4.599	4.622	4.989	4.911	4.783	4.690	4.696	4.747	4.678	4.856	4.610	4.783	4.490	4.636	4.924	5.149	5.167	4.759	4.509	4.852	4.864	
1427550	at		Peg10	BG076799	MM.320575	6	4.750	4.714	4.679	4.627	4.723	4.563	4.722	4.731	4.648	4.455	4.715	4.725	4.678	4.686	4.674	4.639	4.777	4.684	4.843	4.844	4.652	4.460	4.570	4.960	
1427551	at		Usp29	AF227912	MM.40752	7	6.868	6.510	6.807	6.658	6.568	6.721	6.829	6.757	6.687	6.619	6.589	6.755	6.795	6.760	6.709	6.630	7.052	6.705	6.930	6.735	6.864	6.725	6.742		
1427552	a	at	Gstz1	AB041613	MM.29652	12	8.258	7.775	7.835	8.156	8.055	8.296	8.166	7.687	7.818	8.041	8.032	8.098	8.093	7.924	8.115	8.279	8.127	8.316	8.385	8.436	7.980	7.998	8.185	8.115	
1427553	at		ENSMUSG000000	BC026389	MM.429066	17	5.954	5.705	5.917	5.838	5.849	6.141	6.113	5.890	5.376	5.717	5.931	5.543	5.593	5.811	5.926	5.753	5.686	5.826	5.829	5.931	5.922	6.055	5.889	5.930	
1427554	a	at	Heih3	AF161981	MM.248766	5	6.894	6.943	6.303	6.950	6.232	5.928	6.997	6.235	6.925	6.235	6.925	6.235	6.925	6.235	6.925	6.235	6.925	6.235	6.925	6.235	6.925	6.235	6.925	6.235	
1427555	at		Mil2	BG922679	MM.425955	15	8.726	8.581	8.855	8.733	8.777	8.702	8.833	8.745	8.744	8.691	8.798	8.535	8.763	8.737	8.749	8.726	8.902	8.733	8.771	8.862	8.750	8.514	8.898	8.744	
1427556	at		Myk2	BC019408	MM.250604	2	6.743	6.243	6.648	6.475	6.475	6.401	6.539	6.411	6.238	6.149	6.334	6.271	6.434	6.476	6.429	6.668	6.296	6.295	6.293	6.412	6.468	6.426	6.467	6.565	
1427557	at		Ala12	AJ429133	MM.41512	15	6.492	6.418	6.385	6.462	6.593	6.452	6.450	6.582	6.348	6.227	6.670	6.412	6.418	6.352	6.459	6.339	6.474	6.418	6.526	6.382	6.570	6.399	6.434	6.415	
1427558	s	at	Ala12	AJ429133	MM.41512	15	6.531	6.690	6.560	6.760	6.467	6.432	6.559	6.514	6.410	6.471	6.607	6.398	6.508	6.624	6.381	6.538	6.589	6.880	6.584	6.665	6.558	6.545	6.286	6.838	
1427559	a	at	Atf2	M31629	MM.209903	2	7.705	7.745	7.690	7.661	7.608	7.577	7.458	7.648	7.595	7.747	7.728	7.525	7.494	7.544	7.500	7.498	7.471	7.310	7.454	7.632	7.498	7.742	7.565	7.538	
1427560	at		Six5	D83146	MM.34110	7	7.																								

1427609	at	Sov14	BB632349	Mm.261595	9	8.166	7.866	8.076	8.120	8.131	8.006	8.050	8.033	8.105	7.990	8.228	8.124	8.111	8.150	7.978	7.923	8.122	8.086	8.139	8.216	8.201	8.156	8.122	8.128	
1427610	at	NaX	BC026631	NA	NA	8.006	7.995	8.582	8.763	8.397	8.753	8.326	8.665	7.286	8.414	8.052	7.698	7.990	8.254	8.673	8.937	8.678	7.663	8.739	8.736	7.029	6.844	8.704	9.337	
1427611	at	Ghrhr	BB024536	Mm.89928	6	7.437	7.180	7.431	7.486	7.739	7.528	7.448	7.458	7.318	7.181	7.574	7.406	7.276	7.372	7.369	7.469	7.349	7.494	7.231	7.400	7.546	7.419	7.394	7.383	
1427612	at	Defb9	BM936051	Mm.171224	8	4.331	4.220	4.189	4.322	4.090	4.293	4.169	4.189	4.231	4.172	4.166	4.199	4.437	4.166	4.223	4.182	4.292	4.346	4.290	4.417	4.418	4.718	4.231	4.256	
1427613	at	Py074887	AI440267	Mm.437773	9	6.845	5.977	5.144	6.280	6.245	6.047	6.126	5.931	6.156	6.064	6.136	6.042	6.100	6.289	6.078	6.178	5.980	5.811	6.014	6.342	6.105	6.138	6.141	6.181	
1427614	at	Sh3tcl	BC018264	Mm.71755	6	5.847	5.587	5.868	5.906	5.838	5.759	5.893	5.820	5.565	5.913	5.662	5.712	7.790	5.905	5.800	5.838	5.971	5.992	5.999	5.937	5.861	5.845	5.844	5.844	
1427615	at	Itta4	X53177	Mm.31903	2	4.274	4.380	4.456	4.376	4.270	4.399	4.263	4.293	4.178	4.532	4.236	4.254	4.202	4.200	4.321	4.389	4.349	4.396	4.286	4.553	4.357	4.442	4.400	4.309	
1427616	at	Na	BC023004	NA	NA	6.717	6.349	6.463	6.583	6.541	6.622	6.639	6.763	6.714	6.303	6.517	6.554	6.558	6.351	6.670	6.508	6.649	6.264	6.560	6.656	6.705	6.648	6.614	6.599	
1427617	at	Fut10	BC022579	Mm.334477	8	6.844	6.765	6.847	7.000	6.616	6.871	6.998	6.784	6.782	6.812	6.818	6.539	6.796	6.730	7.032	6.847	6.872	6.999	6.910	6.843	7.024	6.761	6.623	6.807	
1427618	at	Cdh9	BO176417	Mm.439758	15	4.887	4.796	4.987	4.813	4.857	4.854	4.793	4.929	4.766	4.665	5.101	4.886	4.943	4.772	4.849	4.712	4.750	4.885	4.910	5.090	5.036	4.728	4.865	4.899	
1427619	a	at Sh3tcl	BC024909	Mm.290429	5	7.460	7.740	7.457	7.606	7.683	7.558	7.482	7.769	7.882	7.612	8.016	7.794	7.778	7.829	7.636	7.552	7.650	7.476	7.489	7.570	7.626	7.771	7.662	7.568	
1427620	at	Parc	BC026469	Mm.329076	17	7.495	7.406	7.320	7.865	7.685	7.283	7.440	7.538	7.152	7.021	7.156	7.459	7.551	6.983	7.014	7.281	7.957	7.453	7.100	7.323	7.858	7.914	7.461	7.437	
1427621	at	NA	BC019140	NA	NA	4.118	4.126	4.383	4.155	4.143	4.271	4.033	4.058	4.148	4.072	4.391	3.915	4.108	4.092	4.186	4.316	4.134	4.249	4.153	4.512	4.435	4.131	4.076	4.188	
1427622	at	Mem1	X95349	NA	6	7.050	6.887	7.018	7.026	6.914	6.980	6.923	7.013	6.957	6.996	7.006	6.857	6.966	6.950	7.006	6.988	6.806	6.894	6.988	7.185	7.011	6.770	7.047	7.145	
1427623	at	Herc2	AF061531	Mm.20929	7	6.218	5.578	5.879	6.088	5.698	5.793	5.970	5.854	5.815	5.643	5.908	5.722	6.087	5.946	5.666	5.873	6.029	5.951	6.072	5.941	5.844	5.790	5.896	5.699	
1427624	s	at Itlifb	AJ249492	Mm.213193	10	4.098	3.835	3.848	3.936	4.093	3.890	3.997	3.917	4.001	3.739	3.918	3.794	3.881	4.050	3.928	3.864	3.954	3.855	3.861	3.891	3.978	4.035	3.899	4.039	
1427625	a	Herc2	AF061532	Mm.20929	7	6.010	5.634	5.849	6.000	5.779	5.796	5.825	5.815	5.717	5.792	5.715	5.563	5.846	5.887	5.751	5.887	5.719	5.639	5.762	5.937	5.799	5.899	5.837	5.800	
1427626	at	Muc5b	AF369933	Mm.200752	7	7.413	7.349	7.254	7.349	7.142	7.274	7.302	7.638	7.345	7.229	7.254	7.239	7.188	7.195	7.244	7.103	7.308	7.404	7.261	7.212	7.426	7.718	7.362	7.394	
1427627	at	ENSMUSG000000	BC019455	Mm.276355	13	6.198	6.090	5.910	6.055	5.984	6.068	6.066	6.125	5.932	5.958	6.087	5.874	6.022	5.965	6.042	6.109	6.140	6.098	6.161	6.103	6.200	5.951	6.141	6.195	
1427628	at	Tcrb-V8.2	BF658725	Mm.123831	6	7.301	7.014	7.138	7.109	7.028	7.148	7.214	7.116	6.980	6.614	7.178	6.915	7.111	7.132	7.121	7.295	7.165	7.279	7.181	7.460	7.294	7.153	7.197	7.168	
1427629	at	Pttr1	D83204	Mm.330393	2	5.269	5.449	5.544	5.113	5.386	5.442	5.431	5.237	5.438	5.264	5.505	5.226	5.583	5.567	5.537	5.135	5.109	4.875	5.176	5.287	5.344	4.991	5.250	5.093	
1427630	x	at Ceacam1	X67278	Mm.322502	7	8.626	8.356	8.851	8.570	8.407	8.338	8.572	8.898	8.346	8.389	8.645	8.736	8.443	8.472	8.400	8.762	8.861	8.769	8.267	8.546	8.839	8.862	8.874	8.404	
1427631	x	at Mup3	M16359	Mm.250267	4	4.322	3.907	4.027	3.998	4.046	4.037	4.109	3.931	3.910	3.995	4.059	4.012	3.907	4.017	3.997	4.010	4.164	4.216	4.045	4.061	4.244	4.074	4.088	4.047	
1427632	x	at Da2	AI326546	Mm.436759	1	4.514	3.939	3.953	3.937	4.035	4.159	4.148	4.115	3.975	4.172	4.057	3.937	4.073	4.031	3.869	4.042	4.015	4.340	4.081	3.976	3.837	3.956	3.910	4.215	
1427633	x	at Paopa	AF439513	Mm.317854	4	7.701	7.914	7.298	7.346	7.670	7.360	7.381	7.692	8.291	7.711	7.897	7.546	7.655	7.656	7.383	7.765	7.724	7.579	7.497	7.777	7.388	7.509	7.988	7.583	
1427634	at	Kcmh	AJ291608	Mm.242532	2	7.145	6.949	7.101	7.139	6.860	7.013	6.965	7.278	7.082	6.988	7.189	6.884	7.078	7.197	6.944	7.192	7.297	7.048	7.106	7.121	7.152	6.970	7.286	7.072	
1427635	at	Kf6a	Mm.303955	10	3.812	3.440	3.625	3.809	3.756	3.629	3.737	3.773	3.747	3.733	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.747	
1427636	at	Tsny-os	AJ001379	Mm.10106	Y	7.584	7.066	7.425	7.493	7.584	7.066	7.425	7.493	7.584	7.066	7.425	7.493	7.584	7.066	7.425	7.493	7.584	7.066	7.425	7.493	7.584	7.066	7.425	7.493	7.584
1427637	a	at Dsc3	Y11169	Mm.89935	18	6.040	5.855	6.043	6.079	5.975	5.973	6.022	6.166	6.117	5.558	6.021	6.039	6.193	5.946	5.890	6.018	6.474	6.123	6.316	6.072	6.256	6.227	6.192	6.118	
1427638	at	Zbtb16	Z47205	Mm.457803	9	8.714	8.318	8.406	8.290	8.466	8.402	8.245	8.566	7.691	7.728	8.300	8.289	8.130	7.973	8.794	8.508	8.072	8.095	7.905	8.091	9.195	9.383	9.364	9.286	
1427639	a	at Nek4	Y09234	Mm.251494	14	6.056	6.267	6.139	6.008	6.175	6.241	6.076	6.514	6.127	6.169	6.032	6.171	6.251	6.007	6.048	6.016	6.310	6.197	6.192	6.048	6.131	6.232	6.191	6.265	
1427640	a	at Runx11	Y79899	Mm.4909	4	5.968	6.061	6.013	5.861	6.131	6.064	5.726	6.418	6.122	6.041	5.543	6.656	6.563	5.520	6.187	5.902	6.752	6.558	6.122	6.411	6.584	6.886	6.229	6.151	
1427641	at	Na	BC006923	NA	NA	6.672	6.343	6.680	6.710	6.540	6.706	6.758	6.464	6.459	6.622	6.765	6.269	6.671	6.573	6.806	6.673	6.563	6.667	6.626	6.766	6.825	6.395	6.586	6.851	
1427642	at	Trnm6	BC022929	Mm.215171	19	7.474	7.296	7.299	7.358	7.265	7.272	7.289	7.508	7.470	7.231	7.321	7.047	7.356	7.332	7.227	7.334	7.470	7.230	7.376	7.361	7.308	7.250	7.326	7.311	7.100
1427643	at	Trnm6	BC022929	Mm.215171	19	7.474	7.296	7.299	7.358	7.265	7.272	7.289	7.508	7.470	7.231	7.321	7.047	7.356	7.332	7.227	7.334	7.470	7.230	7.376	7.361	7.308	7.250	7.326	7.311	7.100
1427644	at	DKKist2	AV154423	Mm.247154	7	4.333	4.236	4.478	4.306	4.506	4.417	4.413	4.543	4.669	4.443	4.340	4.564	4.440	4.388	4.497	4.099	4.536	4.450	4.459	4.563	4.289	4.714	4.397	4.265	
1427645	a	at H1rap2	AJ277831	Mm.328321	X	4.333	4.114	4.290	4.294	4.240	4.185	4.502	4.183	4.386	4.177	4.340	4.159	4.251	4.230	4.222	4.227	4.385	4.388	4.347	4.379	4.313	4.228	4.408	4.269	
1427646	a	at Hqrhel2	X95761	Mm.239329	3	7.209	7.023	6.964	7.054	6.900	6.974	6.973	6.980	6.930	6.883	7.066	6.868	6.809	6.998	6.876	6.974	6.880	6.747	7.135	7.064	7.120	6.855	7.076	6.793	
1427647	at	Zyval1a	BC022150	Mm.301798	4	5.627	5.374	5.705	5.666	5.428	5.396	5.714	5.748	5.569	5.386	5.661	5.349	5.553	5.563	5.742	5.566	5.809	5.500	5.681	5.783	5.620	5.523	5.700	5.699	
1427648	at	Na	BC016545	NA	NA	8.865	5.260	5.816	5.692	5.526	5.710	5.769	5.482	5.381	5.443	5.812	5.322	5.549	5.384	5.476	5.800	5.720	5.714	5.557	5.726	5.570	5.473	5.595	5.604	
1427649	at	Na	BC027227	NA	NA	5.450	6.438	6.220	6.348	6.476	6.544	6.394	6.152	6.531	6.246	6.328	6.173	6.286	6.579	6.532	6.367	6.319	6.289	6.497	6.604	6.646	6.221	6.370	6.394	
1427650	a	at Runx1	Mm.4081	16	6.812																									

1427698	at	Brcal	BC003248	MM.244975	11	6.669	6.491	6.658	6.609	6.642	6.519	6.700	6.614	6.574	6.549	6.650	6.673	6.574	6.675	6.629	6.628	6.717	6.661	6.747	6.646	6.757	6.663		
1427699	a at	Pton11	L08663	Mm.8681	5	8.789	8.736	8.504	8.547	8.867	8.387	8.416	8.985	8.410	8.243	8.501	9.013	8.628	8.210	8.656	8.817	8.834	8.865	8.708	8.449	8.677	9.010	8.501	8.757
1427700	x at	Krt6a	K02108	Mm.302399	15	5.205	4.772	4.899	5.040	4.474	5.043	4.896	4.915	4.956	4.831	5.096	4.955	4.857	4.941	5.138	4.874	5.030	4.943	5.095	5.024	5.056	4.967	4.929	5.084
1427701	a at	Sikx	D50417	Mm.249575	12	5.691	5.087	5.498	5.602	4.655	5.508	5.660	5.635	5.616	5.152	5.658	5.407	5.520	5.411	5.622	5.492	5.636	5.292	5.473	5.591	5.550	5.566	5.463	5.559
1427702	at	Y15493	X15493	Mm.4184	8	7.360	7.241	7.168	7.224	7.367	7.342	7.379	7.911	7.048	7.087	7.078	7.382	7.382	7.090	7.178	7.138	6.995	7.682	7.477	7.436	7.518	8.104	7.231	7.087
1427703	at	Zfp1ahlb1	L25109	Mm.397111	11	8.258	7.924	8.111	8.042	7.916	8.060	8.026	7.916	8.017	7.879	8.113	7.813	7.968	7.860	8.018	8.027	8.090	8.009	7.961	8.005	8.159	8.197	8.193	8.044
1427704	a at	Gai1r	Y15004	Mm.6219	18	6.040	5.679	5.830	5.925	5.698	5.505	5.742	5.873	5.760	5.601	5.779	5.714	5.985	5.709	5.750	5.786	5.708	5.627	5.967	5.750	5.689	5.817	5.803	5.866
1427705	a at	Ntkb1	L28118	Mm.256765	3	9.986	10.388	10.032	10.116	10.274	10.093	10.123	9.985	10.352	10.269	10.622	10.332	10.358	10.262	10.268	10.095	10.155	10.113	10.053	10.116	10.067	9.956	10.040	10.188
1427706	a at	Siglec1	Z36234	Mm.1374	2	8.220	8.009	8.112	8.263	8.137	8.024	8.181	8.248	8.284	8.030	8.317	7.999	8.194	8.288	8.019	8.011	8.257	7.994	8.171	8.327	8.220	8.112	8.248	8.163
1427707	a at	Stil	BC004585	Mm.3988	4	5.655	6.993	5.605	5.564	6.024	5.629	5.701	6.658	6.694	6.448	6.692	5.538	5.808	6.905	5.981	5.613	5.281	5.417	5.541	5.435	5.541	5.505	5.611	5.519
1427708	a at	Nf2	Mm.297109	11	5.414	5.594	5.607	5.492	5.762	5.863	5.519	5.489	5.389	5.370	5.511	5.818	5.143	5.524	5.531	5.657	5.013	5.424	5.552	5.400	4.898	5.156	5.104	5.250	
1427709	at	Grik3	AF245444	Mm.40896	4	7.025	6.794	7.070	7.036	6.818	6.947	7.068	7.142	7.012	6.959	7.106	6.838	7.137	6.859	6.899	7.058	7.035	7.085	7.042	7.169	7.043	6.986	7.083	6.968
1427710	at	Ccdc14	BC013491	Mm.2271539	7	8.731	8.405	8.544	8.602	8.398	8.434	8.447	8.147	8.250	8.308	8.419	8.291	8.346	8.446	8.294	8.410	8.421	8.594	8.386	8.390	8.606	8.723	8.412	8.487
1427711	a at	Ceacam1	X15351	Mm.322502	7	5.711	5.538	5.759	5.623	5.476	5.593	5.598	5.641	5.309	5.486	5.564	5.719	5.545	5.477	5.512	5.816	5.820	5.895	5.464	5.911	5.525	5.571	5.866	5.605
1427712	at	Ceacam1	X15351	Mm.322502	7	5.192	5.005	5.338	5.221	5.111	5.352	5.377	5.016	5.131	5.122	5.090	5.199	5.161	5.121	5.006	5.231	5.116	5.093	5.328	5.391	5.233	5.093	5.286	5.350
1427713	x at	Pou2f2	X57938	Mm.208700	7	6.459	6.008	6.212	6.487	6.275	6.399	6.563	6.261	6.495	6.537	6.167	6.329	6.530	6.698	6.513	6.316	6.254	6.095	6.343	6.563	6.587	6.248	6.556	6.394
1427714	a at	Smyd1	U76372	Mm.234274	6	5.085	5.204	5.082	5.230	5.280	5.241	5.132	5.249	5.175	5.204	5.320	5.202	5.399	5.353	5.347	5.249	5.048	5.400	5.307	5.031	5.314	5.328	5.371	5.292
1427715	a at	Nf5c1b	AF356186	Mm.272843	12	5.065	5.011	5.153	5.173	5.035	5.154	5.096	5.112	5.054	5.018	5.267	4.815	5.059	4.936	5.149	5.079	5.106	5.255	5.289	5.054	5.216	5.165	5.016	5.131
1427716	at	L7000362D21Rik	AB047759	Mm.200587	9	8.014	7.645	8.067	7.947	7.928	7.989	8.158	8.009	7.919	8.018	8.226	7.743	7.872	8.035	7.987	8.042	8.719	8.077	7.925	8.261	7.957	7.825	8.019	7.906
1427717	at	Cd8b	X60958	Mm.89474	16	4.831	4.670	4.828	4.879	4.873	4.758	4.952	4.839	4.911	4.814	4.741	4.823	4.852	4.886	4.727	4.875	4.879	5.008	4.870	4.887	4.902	4.911	4.815	4.771
1427718	a at	Mdm2	X58876	Mm.22670	10	9.386	9.478	9.488	9.361	9.126	9.260	9.102	8.686	9.297	9.403	9.550	9.282	9.246	9.318	9.404	9.543	9.167	9.320	9.559	9.199	9.220	9.214	9.005	9.782
1427719	s at	Krt12-ps1	AF312019	Mm.458432	NA	6.144	5.446	6.121	6.077	5.895	5.852	6.127	5.998	5.817	5.671	5.902	5.805	5.764	5.921	5.999	6.109	6.102	5.898	6.116	6.316	6.233	5.962	6.083	6.357
1427720	a at	Rrp1	AF312394	Mm.38344	10	10.539	10.653	10.711	10.597	10.655	10.581	10.491	10.532	10.652	10.584	10.580	10.745	10.612	10.484	10.704	10.617	10.776	10.790	10.678	10.745	10.675	10.638	10.597	10.611
1427721	na	NA	AF248056	NA	NA	4.818	4.465	4.714	4.597	4.784	4.602	4.728	4.683	4.641	4.395	4.602	4.858	4.596	4.729	4.500	4.634	4.922	4.541	4.856	4.633	4.774	4.561	4.632	4.721
1427722	at	9830102E05Rik	BC026899	Mm.269823	6	4.021	4.019	4.050	4.051	4.005	4.153	3.945	4.027	3.984	4.047	4.082	3.918	4.103	3.956	4.053	3.847	3.996	3.877	4.209	4.153	4.000	3.925	3.906	3.848
1427723	at	Gdf11	AF092734	Mm.299218	10	7.602	7.062	7.694	7.411	7.363	7.414	7.635	7.513	7.392	7.267	7.371	7.290	7.330	7.380	7.443	7.311	7.270	7.351	7.475	7.542	7.487	7.420	7.498	7.557
1427724	at	Tpsta2	Mm.82198	Mm.25619	11	5.858	5.820	5.649	5.851	5.871	5.668	5.938	5.899	5.867	5.828	5.762	5.808	5.816	5.817	5.756	5.955	5.871	5.882	6.161	5.988	6.005	5.874	5.888	6.025
1427725	a at	X57939	Mm.208700	7	4.421	4.072	4.626	4.283	4.162	4.273	4.195	4.667	4.195	4.667	4.187	4.255	4.667	4.210	4.255	4.667	4.210	4.325	4.647	4.242	4.453	4.289	4.575	4.289	4.665
1427726	at	H2-D1	X03051	Mm.422886	17	7.239	7.203	6.883	7.320	7.152	7.093	7.129	7.466	7.300	7.170	7.287	7.259	7.294	7.350	7.200	7.017	7.033	6.845	7.024	7.023	7.154	6.896	6.965	7.151
1427727	x at	Psa119	X98112	Mm.368878	7	6.169	5.978	6.084	5.967	6.083	6.070	6.022	6.113	6.057	5.979	6.084	5.917	6.069	6.023	6.079	6.116	6.062	6.074	6.129	6.095	6.098	6.070	6.061	6.047
1427728	at	Chrng	X03819	Mm.2810	1	5.383	5.096	5.290	5.648	5.378	5.180	5.454	5.668	5.048	5.297	5.420	5.366	5.292	5.136	5.165	5.313	5.265	5.125	5.535	5.462	5.557	5.472	5.491	5.243
1427729	at	Ehd2	BC020014	Mm.138215	7	4.595	4.576	4.872	4.756	4.682	4.821	4.609	4.688	4.611	4.450	4.633	4.704	4.830	4.490	4.591	4.821	4.647	4.817	4.631	4.815	4.825	4.820	4.893	4.473
1427730	a at	Zfp148	AF316550	Mm.392667	16	6.631	7.000	6.737	6.681	6.695	6.897	6.889	6.658	6.649	6.815	6.327	6.836	6.584	6.678	6.610	6.653	6.665	6.672	6.470	6.323	6.711	6.875	6.689	6.588
1427731	at	Gnhrp	L28757	Mm.26791	5	6.272	6.026	6.098	6.097	6.074	6.037	6.175	6.249	6.184	6.048	6.328	6.121	5.877	6.078	6.094	6.143	6.075	5.932	6.101	6.327	6.005	6.248	6.170	6.028
1427732	at	BC045777	Mm.394736	9	5.830	7.929	8.946	8.249	8.113	8.720	8.758	8.899	8.959	8.928	8.235	8.177	8.945	9.751	8.925	8.933	8.556	8.570	8.250	8.565	8.570	8.250	8.565	8.570	8.250
1427733	a at	Nfia	D90176	Mm.31274	4	5.216	5.086	5.193	5.342	4.947	5.114	5.034	4.900	5.100	4.914	5.018	4.889	5.111	4.995	5.081	4.970	5.489	5.197	5.269	5.270	5.185	5.097	5.025	5.206
1427734	a at	Oscaml1	AF487348	Mm.325499	9	7.405	6.692	7.103	7.209	7.198	7.040	7.156	7.136	6.963	6.929	7.076	7.113	7.097	7.113	6.978	7.056	7.096	7.113	7.070	7.139	7.336	7.391	7.077	7.222
1427735	a at	Acta1	M12233	Mm.214950	8	12.990	14.670	12.625	13.581	14.810	14.124	14.446	14.963	14.664	14.646	14.996	14.781	14.683	15.053	14.418	12.732	12.848	14.512	14.764	13.786	13.477	13.003	11.944	13.874
1427736	a at	Ccr12	AJ318863	Mm.7336	9	9.456	8.995	9.642	9.160	8.959	9.124	9.146	8.600	8.468	8.601	8.798	8.895	8.861	8.685	8.988	9.486	9.187	9.228	9.005	9.282	9.116	9.016	9.930	9.027
1427737	a at	1200011M11Rik	BC002247	Mm.23257	11	6.721	6.718	6.678	6.830	6.831	6.762	6.822	6.760	6.768	6.752	6.827	6.836	6.876	6.608	6.693	6.846	6.850	6.863	6.888	6.826	6.929	6.968	6.890	6.944
1427738	at	DOKis2	MM.247154	7	4.082	3.772	3.888	3.833	3.757	3.713	3.870	3.970	3.901	3.686	3.871	3.692	3.912	3.969	3.920	3.847	3.970	3.707	3.858	4.031	3.893	3.			

1427787	at	Sp6	AA438081	Mm.156282	11	6.117	5.962	6.099	6.046	6.022	6.069	6.139	5.998	6.176	5.830	6.264	5.913	6.022	6.168	6.067	6.005	6.080	5.992	6.274	6.327	6.028	5.997	6.288	6.062	
1427788	at	Gnas	AI561892	Mm.125770	2	5.777	5.592	5.609	5.709	5.770	5.534	5.611	5.793	5.931	5.625	5.805	5.536	5.868	5.591	5.564	5.492	5.784	5.670	5.681	5.873	5.628	5.734	5.662	5.680	
1427789	s at	Gnas	AI561892	Mm.125770	2	5.890	5.502	5.666	5.688	5.648	5.690	5.434	5.914	5.721	5.418	5.690	5.693	5.633	5.686	5.570	5.843	5.577	5.747	5.704	5.773	5.678	5.761	5.712	5.590	
1427790	at	Adam1a	U22056	Mm.1453	5	7.317	6.959	7.409	7.426	7.174	7.489	7.408	7.150	7.257	7.244	7.207	7.174	7.073	7.219	7.377	7.534	7.313	7.486	7.420	7.493	7.353	7.171	7.559	7.441	
1427791	a at	Adam1a	M22056	Mm.1453	5	6.859	6.776	7.063	6.749	6.700	7.093	6.833	6.761	6.784	6.781	6.881	6.806	6.842	6.839	6.884	6.845	6.827	7.052	6.825	7.017	6.855	6.827	6.831	6.806	
1427792	at	NA	U18597	NA	NA	4.876	4.531	4.753	4.628	4.652	4.732	4.654	4.712	4.429	4.633	4.664	4.636	4.752	4.586	4.684	4.718	4.743	4.658	4.657	4.922	4.591	4.418	4.701	4.610	
1427793	at	NA	AJ242955	AB028868	NA	NA	4.706	4.593	4.733	4.802	4.746	4.642	4.855	4.800	4.718	4.745	4.706	4.525	4.688	4.646	4.795	4.875	4.805	4.850	4.779	4.841	4.729	4.811	4.469	4.633
1427794	at	NA	AJ242955	AB028868	NA	NA	4.689	4.638	4.585	4.813	4.650	4.685	4.793	4.757	4.751	4.566	4.811	4.459	4.573	4.761	4.582	4.664	4.758	4.791	4.993	4.860	4.733	4.682	4.790	4.576
1427795	s at	NA	BC021394	NA	NA	4.757	4.386	4.798	4.867	4.693	4.771	4.857	4.826	4.720	4.884	4.893	4.808	4.520	4.571	4.927	4.835	5.050	5.135	4.862	4.986	4.917	4.982	4.933	4.828	
1427796	at	Zfp133	AF332089	Mm.450554	2	4.836	5.342	4.829	4.827	4.917	4.663	4.873	5.096	4.969	4.702	4.791	5.031	4.698	4.927	5.268	4.848	4.950	4.699	4.894	4.849	5.160	4.890	5.081	5.400	
1427797	s at	NA	BF580235	NA	NA	6.284	6.085	6.497	6.579	5.866	6.423	6.383	6.239	6.077	6.126	4.998	5.876	6.341	6.174	6.141	6.484	6.307	6.276	6.666	6.710	6.013	6.101	6.579	6.383	
1427798	x at	NA	BF580235	NA	NA	4.934	5.071	4.817	4.934	4.997	4.905	4.963	4.814	4.997	5.061	4.955	4.644	4.922	4.851	4.811	5.005	4.872	4.942	4.900	4.984	4.697	4.797	4.722	4.760	
1427799	x at	lqk-V1	BF159226	Mm.333124	6	3.761	3.866	3.735	3.770	3.759	3.740	3.779	3.642	3.711	3.697	3.722	3.716	3.752	3.694	3.578	3.728	3.806	3.651	3.578	3.813	3.759	3.705	3.783	3.900	
1427800	at	Krtap16-2	AA930779	Mm.196822	16	7.883	7.572	8.322	8.049	7.965	8.190	8.274	8.025	7.711	7.858	8.220	7.945	8.009	8.030	8.128	7.985	8.089	8.341	8.322	8.198	8.072	7.926	8.140	8.209	
1427801	at	Krtap16-2	AA930779	Mm.196822	16	4.756	4.641	4.891	4.761	4.786	4.884	4.839	4.517	4.682	4.490	4.858	4.637	4.923	4.866	4.731	4.944	4.764	4.967	4.781	5.311	4.760	4.884	4.756	4.774	
1427802	a at	NA	AA119055	Mm.246559	13	3.833	3.749	3.685	3.819	3.668	3.709	3.847	3.660	3.782	3.814	3.675	3.740	3.661	3.729	3.766	3.864	3.870	3.702	3.746	3.910	3.894	3.832	3.804	3.788	
1427803	at	NA	Y17678	NA	NA	5.989	5.538	5.491	5.804	5.802	5.559	5.514	5.896	5.846	5.503	5.909	5.773	5.926	5.819	5.581	5.682	5.790	5.822	5.694	5.700	5.774	5.571	5.561	5.606	
1427804	at	NA	Y17678	NA	NA	6.530	6.411	6.379	6.566	6.365	6.408	6.624	6.572	6.425	6.397	6.407	6.415	6.401	6.422	6.461	6.633	6.573	6.428	6.476	6.389	6.488	6.674	6.422	6.518	
1427805	at	NA	M33036	NA	NA	6.838	6.798	6.919	6.997	6.993	6.692	7.078	7.071	6.975	6.764	6.977	6.769	7.000	6.923	6.955	6.956	7.135	6.959	7.032	7.232	7.131	7.032	6.966	6.932	
1427806	at	NA	M33036	NA	NA	5.300	4.926	5.103	5.139	4.974	4.995	5.215	5.491	5.030	4.936	5.408	4.997	5.420	5.067	4.944	5.232	5.306	5.197	5.316	5.275	5.569	5.318	5.399	5.208	
1427807	at	ENSMUSG000000	BC017159	Mm.413176	8	7.098	6.741	7.094	7.052	7.054	7.156	7.256	6.992	6.934	6.924	6.997	6.851	7.055	6.834	6.961	7.147	6.896	7.132	7.138	7.354	7.138	7.036	7.104	7.151	
1427808	at	Nfya	D78642	Mm.4929	17	7.124	6.621	7.129	6.880	7.062	7.168	7.144	6.934	6.942	6.772	7.201	6.827	6.990	6.996	7.049	7.052	6.806	6.954	7.423	7.328	7.167	7.226	7.152	7.149	
1427809	at	NA	BC010480	NA	NA	6.382	5.821	6.138	5.987	5.926	6.021	5.980	6.113	5.965	6.085	6.308	6.111	6.169	5.991	6.114	5.982	6.117	6.021	6.166	6.293	6.078	5.997	6.271	6.339	
1427810	at	Tyms	X14489	Mm.268395	5	4.605	4.599	4.398	4.614	4.490	4.256	4.424	4.388	4.504	4.364	4.514	4.231	4.464	4.348	4.808	4.503	4.669	4.303	4.207	4.824	4.598	4.514	4.603	4.442	
1427811	at	Tyms	X14489	Mm.268395	5	5.175	4.864	5.040	5.262	4.484	4.884	5.175	5.162	4.869	4.994	5.019	4.945	4.929	5.008	4.867	5.230	5.131	5.016	5.042	5.082	5.055	4.775	5.030	5.108	
1427812	at	Ids	X75636	Mm.233083	X	4.975	4.615	4.742	4.873	4.766	4.686	4.962	4.755	4.668	4.782	4.581	4.633	4.744	4.819	4.761	4.777	4.775	4.794	4.759	4.891	4.832	4.752	4.766	4.758	
1427813	at	NA	X75636	Mm.233083	X	3.952	3.956	4.066	4.136	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	4.136	4.096	
1427814	at	Ofa	U09662	NA	NA	4.806	4.523	4.934	4.719	4.603	4.811	4.671	4.755	4.405	4.403	4.807	4.565	4.495	4.656	4.727	4.767	4.655	4.735	4.680	4.787	4.630	4.787	4.630	4.787	
1427815	at	Sfrs2	U14648	Mm.21841	11	6.549	6.564	6.441	6.565	6.728	6.352	6.618	6.615	6.727	6.527	6.675	6.657	6.823	6.695	6.743	6.808	6.976	6.696	6.774	6.958	6.665	6.552	6.624	6.787	
1427816	at	Sfrs2	U14648	Mm.21841	11	9.094	9.051	8.955	9.179	9.070	9.057	9.000	9.281	9.062	8.972	9.254	8.924	9.095	9.291	9.045	9.016	9.024	8.927	9.058	9.206	9.088	8.835	9.120	8.938	
1427817	at	LOC641050	M11024	NA	NA	5.035	4.934	4.851	4.806	5.041	4.844	4.928	4.966	5.144	4.959	4.970	4.917	4.936	4.932	5.012	4.836	4.990	5.050	5.087	4.885	5.121	5.212	5.014	5.072	
1427818	at	NA	BC027249	NA	NA	5.408	5.250	5.338	5.306	5.313	5.309	5.442	5.285	5.368	5.265	5.390	5.187	5.324	5.281	5.306	5.249	5.185	5.340	5.600	5.210	5.320	5.514	5.290	5.470	
1427819	at	NA	BC027249	NA	NA	7.168	6.927	7.080	7.103	7.127	6.713	7.181	7.038	7.444	7.379	7.620	7.307	7.111	6.979	7.406	7.073	7.037	7.353	6.904	7.257	7.160	7.192	7.209	7.066	
1427820	at	NA	BC021831	NA	NA	8.154	7.730	8.232	7.698	7.509	7.916	7.562	7.618	7.585	7.547	7.613	8.060	8.176	8.248	7.565	7.975	7.731	7.694	7.825	7.850	7.759	7.661	7.822	7.916	
1427821	at	Copg2as2	U22056	Mm.22891	6	8.422	8.244	8.369	8.452	8.256	8.292	8.226	8.425	8.335	8.116	8.342	8.313	8.139	8.593	8.231	8.246	8.505	8.205	8.176	8.204	8.234	8.176	8.204	8.234	
1427822	at	Copg2as2	U22056	Mm.22891	6	5.488	5.270	5.237	5.246	5.283	5.158	5.142	5.617	5.309	5.128	5.161	5.187	5.200	4.952	5.136	5.099	5.493	5.131	5.241	5.139	5.385	5.343	5.311	5.307	
1427823	at	NA	X16301	NA	NA	8.007	7.701	8.063	8.113	8.167	7.979	8.038	8.098	7.969	7.910	8.063	7.985	7.969	7.905	7.946	7.927	8.084	8.133	8.023	8.061	8.076	8.058	8.264	8.037	
1427824	at	NA	X16301	NA	NA	6.291	6.067	6.007	6.049	6.296	6.280	6.137	6.217	6.136	6.120	6.374	6.225	6.223	6.187	6.276	6.158	6.299	6.220	6.296	6.230	6.298	6.224	6.194	6.150	
1427825	at	NA	AB037192	NA	NA	6.832	6.405	7.072	6.927	6.802	6.971	7.046	6.737	6.648	6.591	6.924	6.485	6.864	6.913	6.822	7.071	6.792	6.880	6.940	7.124	6.732	6.699	6.903	7.043	
1427826	a at	Slico1b2	AB037192	Mm.272223	6	4.091	4.045	3.984	4.021	3.868	4.132	4.336	4.143	4.007	3.983	4.046	3.956	3.886	4.038	4.031	4.150	4.236	4.059	4.166	4.288	4.080	4.093	4.076	4.213	
1427827	at	NA	AF014454	NA	NA	7.215	6.893	6.896	6.994	6.786	6.792	6.920	6.863	6.766	6.894	6.791	6.904	6.920	6.882	6.958	6.874	7.117	6.940	7.002	6.857	7.162	6.994	6.991	6.730	
1427828	at	NA	AF014454	NA	NA	4.091	4.045	3.984	4.021	3.868	4.132	4.336	4.143	4.007	3.983	4														

1427876	at	Zc3h15	BB703070	Mm.27804	2	9.805	10.029	9.897	9.857	9.844	9.744	9.773	9.737	9.959	9.945	9.889	9.979	9.785	9.958	9.828	9.946	9.894	9.814	9.874	9.862	9.895	9.895	9.959	10.019	
1427877	at	Zc3h15	BB703070	Mm.27804	2	9.242	9.568	9.087	9.254	9.366	9.069	9.151	9.349	9.372	9.331	9.159	9.446	9.449	9.198	9.156	9.165	9.165	9.261	9.246	9.114	9.872	9.226	9.496	9.204	9.086
1427878	at	0610010012Rik	AK002512	Mm.272527	18	11.761	12.100	11.588	11.415	11.957	11.388	11.550	12.235	12.265	12.238	12.039	12.134	11.989	11.783	11.622	11.596	11.639	11.543	11.435	11.265	11.575	11.562	11.229	11.429	
1427879	at	1810031K17Rik	AK007667	Mm.28193	1	9.821	9.985	9.768	9.797	10.052	9.850	9.665	9.757	10.191	10.078	9.632	10.156	10.339	9.930	9.959	9.790	9.965	9.866	9.829	9.666	9.892	9.773	9.914	9.649	
1427880	at	Utpn2	BF136190	Mm.25162	11	7.819	9.257	7.914	7.831	7.829	7.925	7.909	7.743	7.788	7.799	7.644	7.878	7.899	7.841	7.786	7.707	7.720	7.832	7.789	7.707	7.820	7.774	7.997	7.783	
1427881	at	Dnt1p2	AK016368	Mm.398647	3	9.276	9.181	9.026	8.744	8.525	8.834	8.526	8.514	8.398	8.619	8.911	8.923	8.756	8.612	9.116	8.211	8.401	8.563	8.568	8.232	8.386	8.331	8.803		
1427882	at	Dnt1p2	AK016368	Mm.398647	3	8.968	9.181	8.970	8.764	8.527	8.605	8.425	8.336	8.058	8.296	8.664	8.683	8.564	8.475	8.433	8.861	8.042	8.461	8.564	8.463	8.335	8.259	8.430	8.557	
1427883	a at	Col3a1	AW550625	Mm.249555	1	13.098	14.368	12.917	13.403	14.672	13.898	13.236	13.644	14.671	14.819	13.991	14.490	14.674	14.584	14.609	12.989	12.009	12.685	13.601	12.276	12.274	12.312	11.939	12.013	
1427884	at	Col3a1	AW550625	Mm.249555	1	9.248	11.213	8.627	9.082	11.160	10.150	9.063	10.105	12.322	11.930	10.385	10.904	11.591	11.822	11.002	8.752	7.545	8.506	9.956	7.747	7.435	7.647	7.071	6.673	
1427885	at	Pold4	AK010477	Mm.32518	19	8.304	8.901	8.129	8.306	8.613	8.405	8.147	8.085	8.952	8.811	8.287	8.678	8.755	8.585	8.525	8.306	8.343	8.487	8.309	8.329	8.215	8.304	8.114	8.190	
1427886	at	Pom121	BC028835	Mm.28399	5	10.384	10.866	10.473	10.499	10.477	10.355	10.397	10.518	10.672	10.688	10.677	10.462	10.303	10.792	10.454	10.516	10.146	10.148	10.189	10.137	9.926	10.259	10.567	10.681	
1427887	at	Rpd1b	BB304715	Mm.290610	2	9.679	9.474	9.715	9.530	9.444	9.556	9.549	9.259	9.190	9.336	9.340	9.368	9.325	9.373	9.397	9.664	9.527	9.538	9.579	9.482	9.678	9.531	9.573	9.683	
1427888	a at	Snpa2	AK011566	Mm.204969	2	11.727	12.023	11.588	11.593	12.247	11.761	11.783	12.713	12.517	12.361	12.350	12.678	12.508	12.292	12.325	11.630	12.155	12.090	11.750	11.723	12.300	12.405	11.966	11.875	
1427889	at	Snpa2	AK011566	Mm.204969	2	10.632	11.250	10.580	10.697	11.353	10.734	10.640	11.896	11.164	11.587	11.347	11.739	11.677	11.226	11.389	10.621	11.238	11.042	10.732	10.756	11.329	11.646	10.939	10.978	
1427890	a at	Lrrc56	AW553222	Mm.45104	7	7.693	7.415	7.502	7.598	7.462	7.493	7.515	7.641	7.672	7.402	7.485	7.531	7.491	7.550	7.446	7.533	7.714	7.628	7.607	7.559	7.658	7.491	7.673	7.466	
1427891	at	Gimap6	BB667753	Mm.321047	6	8.059	7.965	8.094	8.036	7.992	7.866	8.118	8.374	7.968	7.969	8.457	8.194	8.203	8.071	8.305	8.058	8.135	8.453	8.149	8.296	8.184	8.094	8.137	8.311	
1427892	at	Mvq1q	BB235320	Mm.239554	11	7.639	8.685	7.533	7.911	7.957	7.729	8.160	7.789	8.327	7.833	7.926	7.771	7.758	8.329	7.672	7.630	7.722	7.505	7.638	7.523	7.806	7.553	7.408	7.327	
1427893	a at	Pmvk	BI713896	Mm.34242	3	8.397	8.800	8.446	8.338	8.338	8.338	8.267	7.984	8.272	8.309	7.970	8.196	8.001	8.183	8.166	8.336	8.137	8.191	8.426	8.270	8.111	8.127	8.093	8.256	
1427894	at	Vsd3	AK012169	Mm.475883	16	8.570	8.966	8.360	8.514	8.871	8.579	8.298	8.476	9.316	9.055	8.867	8.797	9.218	8.734	8.798	8.533	8.347	8.414	8.372	8.374	8.398	8.590	8.740	8.872	
1427895	at	Z310004N24Rik	AK009156	Mm.390347	11	8.148	8.825	7.843	7.998	8.446	8.048	8.039	8.322	8.871	8.561	8.194	8.379	8.596	8.048	8.102	8.044	8.564	8.201	7.995	7.776	8.284	8.381	7.831	7.644	
1427896	at	Sns	AK010274	Mm.34456	5	10.407	10.324	10.357	10.508	10.363	10.535	10.476	10.432	10.093	10.127	10.241	10.437	10.351	10.124	10.356	10.380	10.639	10.744	10.639	10.682	10.487	10.562	10.602	10.500	
1427897	s at	Sud53	AK010274	Mm.34456	5	10.223	10.150	10.194	10.378	10.332	10.203	10.387	10.118	10.103	10.286	10.205	10.658	10.541	10.145	10.211	10.211	10.324	10.518	10.397	10.344	10.358	10.407	10.243	10.217	
1427898	at	Rnf6	BI738010	Mm.26696	9	9.355	9.670	9.554	9.397	9.276	9.312	9.430	8.814	8.928	9.331	9.015	9.043	8.942	9.352	9.225	9.478	8.856	9.133	9.597	9.165	9.129	9.053	9.406	9.429	
1427899	at	Rnf6	BI738010	Mm.26696	5	10.667	10.931	10.778	10.865	10.811	10.764	10.695	10.831	10.876	10.792	10.668	10.940	10.541	10.766	10.649	10.784	11.151	11.037	10.964	10.935	10.925	11.021	10.839	10.812	
1427900	at	Pip5k1f	BC028795	Mm.78923	2	5.461	4.798	4.993	5.071	4.962	4.974	5.159	5.042	5.030	5.093	5.216	5.164	5.145	5.061	5.099	5.159	5.306	5.257	5.274	5.420	5.316	5.099	5.170	5.081	
1427901	at	Spr18c	AK004139	Mm.25585	5	10.865	11.038	10.874	10.804	10.628	10.740	10.871	11.060	10.755	10.675	10.712	10.722	10.529	10.607	10.569	10.788	11.239	11.117	10.672	10.711	11.149	11.242	10.661	10.648	
1427902	at	Ynf19p	BB235320	Mm.239554	17	8.919	9.257	7.914	7.831	7.829	7.925	7.909	7.743	7.788	7.799	7.644	7.878	7.899	7.841	7.786	7.707	7.720	7.832	7.789	7.707	7.820	7.774	7.997	7.783	
1427903	at	Pho1t	BB650419	Mm.450679	17	12.463	10.685	10.454	10.854	10.384	10.120	10.221	10.198	10.085	9.740	10.762	10.186	9.992	9.921	9.631	10.316	11.271	10.779	10.137	10.172	10.680	10.558	10.191	9.901	
1427904	s at	Z410091C18Rik	BF147550	Mm.104959	17	9.659	9.821	9.990	9.856	9.725	9.722	9.604	9.372	9.463	9.558	9.428	9.428	9.343	9.381	9.562	9.791	9.754	9.745	9.804	9.635	9.673	9.567	9.635	9.747	
1427905	at	1810063B07Rik	BI414448	Mm.292423	14	8.441	8.536	8.335	8.250	8.428	8.489	8.469	8.706	8.750	8.375	8.366	8.650	8.623	8.449	8.280	8.436	8.928	8.858	8.465	8.582	8.809	8.975	8.857	8.512	
1427906	at	1110037F02Rik	AK012768	Mm.331487	4	8.355	8.950	8.505	8.569	8.683	8.702	8.562	8.587	8.897	8.832	8.680	8.823	8.791	8.923	8.676	8.598	8.612	8.504	8.511	8.482	8.444	8.547	8.486	6.885	
1427907	at	1110037F02Rik	AK012768	Mm.331487	4	8.018	8.095	7.999	8.086	8.240	7.972	7.941	8.049	8.290	8.031	8.052	7.952	8.176	8.236	8.019	8.045	8.228	8.040	8.112	7.973	8.105	8.004	7.907	8.099	
1427908	at	Bni1p	BG073058	Mm.31495	17	7.487	8.052	7.734	7.619	7.354	7.562	7.557	8.254	7.824	7.553	7.710	7.904	7.572	7.562	7.067	7.470	8.327	8.115	7.822	7.729	8.186	8.469	7.529	7.648	
1427909	at	Z410015M20Rik	BO031065	Mm.27002	17	12.491	12.321	12.612	12.431	12.401	12.524	12.571	12.344	12.886	12.119	12.335	12.476	12.310	12.238	12.413	12.487	12.592	12.764	12.705	12.529	12.544	12.319	12.474	12.457	
1427910	at	Ynf19p	BB235320	Mm.239554	12	6.900	8.683	8.533	8.905	13.908	8.742	8.328	7.822	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	7.828	
1427911	at	Tmem173	AK012006	Mm.45995	18	8.701	9.145	8.598	8.546	8.611	8.584	8.728	8.906	9.389	9.078	9.643	9.013	8.977	9.269	8.832	8.788	8.445	8.518	8.504	8.656	8.381	8.479	8.384	8.575	
1427912	at	Cbr3	AK003232	Mm.45112	16	7.856	8.744	8.072	8.123	8.289	8.046	7.985	8.449	8.806	8.604	8.069	8.796	8.712	8.667	8.471	7.976	8.225	8.275	8.190	7.863	8.080	8.131	7.869	7.364	
1427913	at	Rwd1	AK003262	Mm.28528	10	10.611	10.881	10.335	10.607	10.613	10.384	10.526	11.062	10.593	10.466	10.400	10.577	10.351	10.461	10.306	10.319	10.812	10.713	10.511	10.535	10.928	10.971	10.502	10.458	
1427914	a at	Tceb1	AI019214	Mm.289248	1	12.662	12.745	12.603	12.466	12.474	12.460	12.526	12.287	12.534	12.602	12.362	12.509	12.387	12.529	12.390	12.591	12.342	12.401	12.576	12.438	12.470	12.523	12.583	12.563	
1427915	s at	Tceb1	AI019214	Mm.289248	1	7.345	7.788	7.747	7.533	7.718	7.974	7.718	6.890	7.037	7.587	7.781	6.847</													

1427965	at	Ssbp1	BG073014	Mm.276356	6	12.762	12.728	12.809	12.686	12.998	12.635	12.829	12.530	12.421	12.456	12.182	12.515	12.632	12.536	12.644	12.699	12.805	12.798	12.667	12.833	12.715	12.863	12.667	
1427966	at	BC087945	AW551849	Mm.309164	15	9.994	10.321	9.553	9.456	9.999	9.488	9.862	10.491	10.214	10.147	11.034	10.433	10.286	10.471	10.464	9.584	9.445	9.539	9.575	9.395	9.754	9.586	9.555	10.092
1427967	at	Ctd5rnp2	BM230774	Mm.379344	4	5.344	5.467	5.312	5.390	5.511	5.316	5.528	5.332	5.359	5.379	5.350	5.370	5.495	5.298	5.359	5.418	5.262	5.373	5.549	5.414	5.258	5.071	5.351	5.395
1427968	at	Tdrl2kx	AF434662	Mm.272850	X	5.050	4.711	5.081	4.880	4.903	4.920	4.990	4.803	4.740	5.077	5.004	4.949	4.978	4.869	4.898	4.912	5.006	5.006	5.181	5.208	4.966	4.804	4.974	4.899
1427969	at	Zfp654	B0021660	Mm.25980	16	7.385	7.514	7.735	7.502	7.437	7.617	7.637	7.594	7.281	7.583	7.231	7.917	7.426	7.230	7.631	7.704	7.927	7.837	7.937	7.695	7.898	8.101	7.785	8.047
1427970	at	Zfp699	AV226931	Mm.475533	7	6.438	6.187	6.222	6.315	6.321	6.311	6.431	6.291	6.371	6.238	5.500	6.336	6.296	6.322	6.384	6.508	6.405	6.346	6.368	6.494	6.206	6.448	6.433	6.468
1427971	at	Cdc73	BB622571	Mm.389191	1	9.605	9.751	9.640	9.482	9.188	9.563	9.609	9.663	9.480	9.701	9.774	9.422	9.348	9.703	9.688	9.663	9.346	9.304	9.402	9.330	9.435	9.598	9.808	9.850
1427972	at	Cdc73	BB622571	Mm.389191	1	8.161	7.988	8.210	8.323	8.322	8.149	8.341	8.317	8.390	8.198	8.279	8.284	8.288	8.311	8.232	8.343	8.376	8.199	8.371	8.367	8.385	8.350	8.381	8.404
1427973	s at	Cdc73	BB622571	Mm.389191	1	6.431	6.038	6.332	6.451	6.219	6.372	6.280	6.161	6.154	6.258	6.234	6.242	6.304	6.295	6.442	6.626	6.180	6.176	6.325	6.284	6.344	6.204	6.451	6.504
1427974	s at	Cacna1d	BB048682	Mm.9772	14	5.234	4.985	5.121	5.272	5.118	5.548	5.105	5.212	5.605	5.182	5.331	5.156	5.197	5.397	5.390	5.080	5.203	5.297	5.309	5.196	5.165	5.050	5.230	5.100
1427975	at	Rasl10a	AK008807	Mm.374836	11	7.091	7.036	7.120	7.531	8.135	7.479	7.089	7.354	7.109	7.647	6.487	7.670	7.614	6.787	7.862	7.231	8.234	8.233	8.476	7.900	8.226	8.655	7.959	8.139
1427976	at	Ooal	AB050008	Mm.208554	12	4.779	4.315	4.526	4.505	4.300	4.711	4.670	4.503	4.554	4.487	4.565	4.389	4.492	4.400	4.483	4.536	4.606	4.612	4.560	4.989	4.628	4.634	4.720	4.709
1427977	x at	Ooal	AB050008	Mm.208554	12	4.491	4.465	4.805	4.447	4.426	4.452	4.533	4.250	4.377	4.284	4.446	4.354	4.424	4.447	4.402	4.584	4.579	4.608	4.482	4.642	4.432	4.544	4.504	4.833
1427978	at	4732418C07Rik	BB318254	Mm.283565	4	9.011	9.323	9.199	9.017	9.319	9.055	8.972	9.428	9.253	9.165	9.085	9.494	9.495	9.208	9.066	9.079	9.388	9.238	9.112	8.950	9.134	9.430	8.899	8.847
1427979	at	4732418C07Rik	BB318254	Mm.283565	4	7.826	7.790	7.764	7.616	7.793	7.577	7.704	7.785	7.890	7.697	7.815	7.953	7.831	7.599	7.888	7.750	7.801	7.847	7.831	7.591	7.780	7.622	7.743	7.762
1427980	at	4933407C03Rik	BB324697	Mm.233181	8	8.588	9.086	8.563	8.641	8.898	8.430	8.238	8.657	9.063	8.860	8.786	8.868	9.049	8.778	8.622	8.660	8.498	8.441	8.370	7.995	8.506	8.539	8.610	8.369
1427981	a at	Csad	AFY033912	Mm.296382	15	7.761	8.025	7.873	7.998	8.231	7.856	7.563	8.025	8.244	8.358	7.792	8.762	8.692	7.937	8.224	7.927	8.279	8.282	8.029	8.006	8.113	8.102	7.858	7.820
1427982	s at	Syne2	BF582734	Mm.26652	12	7.309	7.211	7.012	7.417	7.346	7.363	7.404	7.884	7.236	7.164	7.481	7.751	7.226	7.207	7.107	7.047	8.351	8.093	7.460	7.409	7.868	8.253	7.783	7.264
1427983	at	Zfp280c	AI504040	Mm.293619	X	8.323	8.508	8.555	8.351	8.472	8.870	8.758	8.087	8.168	8.725	8.383	8.198	8.401	8.638	8.829	8.681	8.160	8.408	8.746	8.829	8.152	8.194	8.570	8.590
1427984	at	Senp6	BC066990	Mm.28232	9	6.863	6.209	6.547	6.642	6.418	6.436	6.740	6.562	6.023	6.393	6.540	6.322	6.375	6.191	6.436	6.609	6.579	6.614	6.763	6.685	6.954	6.678	6.777	7.001
1427985	at	Spfn4	BC027796	Mm.115205	X	6.569	6.465	6.367	6.258	6.651	6.429	6.432	6.838	6.417	6.764	6.785	6.709	6.557	6.431	6.785	6.369	6.119	6.131	6.265	6.246	6.286	6.164	6.378	6.012
1427986	a at	Col16a1	BB766878	Mm.41860	4	7.966	8.648	7.750	8.008	9.259	8.159	7.617	8.430	9.731	9.438	8.479	7.971	8.875	8.729	9.027	7.808	7.821	7.980	7.739	7.532	7.856	7.844	7.611	7.746
1427987	at	Safb2	BM239918	Mm.214973	17	7.668	7.767	7.503	7.715	7.837	7.700	7.538	7.843	7.683	7.598	7.563	7.973	7.779	7.674	7.585	7.594	7.989	7.814	7.594	7.679	7.811	7.662	7.731	7.415
1427988	s at	Safb2	BM239918	Mm.214973	17	9.275	9.371	9.210	9.318	9.422	9.351	9.240	9.372	9.245	9.163	9.241	9.363	9.321	9.234	9.130	9.226	9.621	9.591	9.365	9.402	9.591	9.350	9.298	9.154
1427989	at	Amhr2	AF503863	Mm.60331	15	6.416	5.946	6.114	6.181	6.044	6.087	6.166	6.085	6.021	5.946	6.097	6.045	6.105	6.067	6.022	6.163	6.106	6.175	6.176	6.235	6.249	6.048	6.216	6.410
1427990	at	Usd45	BM249286	Mm.154306	4	8.363	8.689	8.223	8.182	8.414	8.368	8.461	8.443	8.594	8.721	8.706	8.565	8.439	8.318	8.403	8.360	8.476	8.321	8.409	8.113	8.472	8.709	8.366	8.430
1427991	s at	Usp45	Mm.154306	Mm.154306	4	8.363	8.689	8.223	8.182	8.414	8.368	8.461	8.443	8.594	8.721	8.706	8.565	8.439	8.318	8.403	8.360	8.476	8.321	8.409	8.113	8.472	8.709	8.366	8.430
1427992	at	Rab12	BF722631	Mm.11483	17	11.384	10.893	11.251	11.448	11.178	11.501	11.943	10.877	10.333	10.914	10.810	11.102	10.877	10.824	11.322	11.518	11.340	11.387	11.470	11.381	11.260	11.180	11.464	11.163
1427993	at	Ruf2	AI852705	Mm.234587	10	6.089	5.806	6.122	5.999	5.953	5.945	6.042	5.875	5.873	6.018	5.904	5.992	5.962	6.008	6.065	6.123	6.120	5.959	5.960	6.058	6.090	5.938	5.890	6.152
1427994	at	Cd300lf	BM230330	Mm.277387	11	7.552	7.508	6.895	6.818	6.922	6.908	6.869	6.859	7.798	7.052	6.802	6.768	7.107	7.118	6.744	6.734	6.721	6.519	6.891	6.416	6.813	6.616	6.775	7.028
1427995	at	Cpa5	AK015256	Mm.159276	6	5.571	5.201	5.595	5.400	5.237	5.392	5.579	5.517	5.259	5.096	5.356	5.378	5.258	5.426	5.496	5.496	5.449	5.457	5.473	5.447	5.373	5.057	5.348	5.643
1427996	at	BC028528	BC028528	Mm.89556	3	8.243	8.914	8.349	8.321	8.727	8.651	8.760	9.026	8.765	8.892	8.386	8.948	9.018	9.215	9.011	8.391	8.103	8.266	8.313	8.458	8.263	8.595	8.558	8.099
1427997	at	1110007M04Rik	BG064890	Mm.204831	4	11.341	11.365	11.361	11.258	10.876	11.256	11.449	11.293	10.871	10.969	11.217	11.088	10.827	11.224	11.048	11.452	11.336	11.409	11.336	11.352	11.267	11.207	11.387	11.506
1427998	at	Lsm12	AV015526	Mm.250791	11	7.493	7.512	7.389	7.269	7.359	7.471	7.580	7.498	7.382	7.703	7.666	7.327	7.446	7.546	7.478	7.487	7.351	7.365	7.532	7.641	7.215	7.117	7.585	7.649
1427999	at	Senp5	BM155184	Mm.123232	9	6.498	6.206	6.531	6.538	6.263	6.579	6.531	6.081	6.000	6.190	6.331	6.124	5.976	6.158	6.375	6.680	6.290	6.637	6.507	6.805	6.551	6.378	6.636	6.783
1428000	at	Tmem60	BC027828	Mm.347525	5	9.771	10.224	10.170	10.122	10.043	10.175	10.150	9.886	9.904	9.958	9.632	10.090	9.972	10.024	9.887	10.199	10.025	10.238	10.304	10.229	10.130	9.879	10.196	10.034
1428001	at	Tshr	BB223263	Mm.173847	12	4.424	4.262	4.403	4.372	4.446	4.423	4.386	4.269	4.169	4.374	4.438	4.329	4.243	4.288	4.527	4.416	4.464	4.594	4.365	4.485	4.189	4.411	4.371	4.239
1428002	at	Saal1	BB126281	Mm.289866	7	6.257	5.943	6.178	6.178	6.068	6.063	6.145	6.217	6.172	5.954	6.258	6.114	6.059	6.070	6.106	5.999	6.238	5.911	6.141	6.156	6.311	6.199	6.162	6.088
1428003	s at	Thlra	BI082282	Mm.319204	14	7.995	7.759	8.100	8.117	7.907	8.028	7.822	7.915	7.842	7.951	7.806	7.722	7.938	8.048	7.935	8.121	8.240	8.375	8.497	8.227	7.974	7.850	8.088	7.936
1428004	at	3300001G02Rik	BC028766	Mm.29952	11	8.697	9.182	8.528	8.794	9.014	8.840	8.939	9.136	9.198	9.041	8.799	9.199	9.897	9.071	8.704	8.851	9.242	9.155	8.995	8.793	9.047	9.036	8.790	8.604
1428005	at	Moscl	AA958845	Mm.272457	1	5.648	5.413	5.722	5.565	5.415	5.368	5.5																	

1428054	at	Slc8a2	AF503502	Mm.241147	7	6.208	5.927	6.134	6.510	6.145	5.998	6.219	6.323	6.217	6.117	6.060	5.981	6.092	6.043	5.751	6.122	6.239	6.092	6.042	6.251	6.405	6.472	6.084	6.136	
1428055	at	Rian	AB076245	Mm.293263	12	5.223	5.533	4.784	4.920	5.155	4.898	4.887	4.862	6.297	5.779	4.484	5.395	5.324	5.210	4.994	4.572	4.698	4.698	4.890	4.647	4.693	4.490	4.868	4.659	
1428056	at	Klra1	AF444273	Mm.24399	6	4.287	4.272	4.325	4.267	4.234	4.412	4.198	4.326	4.269	4.315	4.448	4.205	4.305	4.347	4.335	4.298	4.213	4.274	4.386	4.434	4.163	4.327	4.155	4.420	
1428057	a at	Ahnak	BC028439	Mm.203866	19	7.120	7.880	6.744	7.264	7.142	6.895	6.973	7.356	8.753	8.723	6.973	8.068	8.020	7.400	7.207	6.675	7.433	7.300	7.228	7.045	7.440	7.735	7.076	7.297	
1428058	at	Ahnak	BC028439	Mm.203866	19	6.758	7.367	6.370	6.754	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	6.548	
1428059	at	NA	AI646399	NA	NA	6.048	5.716	5.797	6.003	5.994	5.867	6.004	5.925	6.052	5.800	5.891	6.104	5.912	6.040	5.688	5.742	6.003	5.779	5.892	6.010	5.912	5.839	6.131	5.824	
1428060	at	NA	AI646399	NA	NA	7.150	6.831	6.947	7.239	7.095	7.289	6.930	6.859	6.996	6.901	7.264	6.945	7.145	7.015	6.883	7.083	6.835	6.889	6.869	6.769	6.898	7.182	6.885	6.762	
1428061	at	Hat1	AK014330	Mm.272472	2	9.775	10.127	9.987	9.573	9.626	9.904	9.730	9.632	9.574	9.764	9.685	9.396	9.334	9.825	9.518	9.871	9.612	9.600	9.798	9.715	9.609	9.998	9.526	9.747	
1428062	at	Cpa1	AK003088	Mm.25377	6	6.702	6.525	6.404	6.556	6.555	6.368	6.593	6.747	6.579	6.363	6.660	6.373	6.791	6.596	6.575	6.607	6.429	6.456	6.731	6.699	6.715	6.552	6.667	6.603	
1428063	at	Ankrd42	AK004254	Mm.396537	15	10.395	10.697	10.682	10.634	10.803	10.769	10.583	10.646	10.697	10.820	10.548	10.842	10.970	10.777	10.753	10.624	10.729	10.704	10.715	10.633	10.681	10.741	10.747	10.552	
1428064	at	Centd2	BI248650	Mm.277687	7	9.380	10.014	9.135	9.569	9.55	9.428	9.336	9.477	10.094	9.699	9.334	9.870	10.069	9.785	9.629	9.370	9.144	9.275	9.278	9.204	9.071	9.141	9.270	8.992	
1428065	at	Slc44a2	AK003942	Mm.148425	9	9.550	10.050	9.865	9.746	10.384	10.215	9.627	9.800	10.552	10.537	9.827	10.469	10.641	9.954	10.278	9.715	9.809	9.962	10.075	9.732	9.742	9.721	9.801	9.684	
1428066	at	Ccdc120	AK009768	Mm.63342	X	5.190	5.503	5.113	5.314	5.279	5.137	5.289	5.250	5.394	5.366	5.435	5.217	5.474	5.364	5.126	5.229	5.277	5.382	5.346	5.405	5.319	5.132	4.983	5.229	
1428067	at	Rasl12	AK014511	Mm.35827	9	7.593	7.588	7.642	7.881	7.744	7.767	7.795	7.983	8.114	8.129	7.714	8.144	8.268	8.095	7.932	7.844	7.936	7.903	7.888	7.580	7.511	7.792	7.868	7.684	
1428068	at	Samn50	AK003990	Mm.290725	15	12.328	12.259	12.603	12.659	12.326	12.531	12.462	12.102	11.954	12.131	12.203	12.200	11.867	12.029	12.211	12.604	12.462	12.583	12.666	12.701	12.457	12.373	12.521	12.576	
1428069	at	Cdca7	AK011289	Mm.270676	2	7.100	8.267	7.082	7.254	7.401	7.078	7.070	7.201	6.974	7.251	7.264	6.863	6.802	8.053	6.917	6.954	6.910	7.054	6.748	6.856	6.893	7.278	6.838		
1428070	at	Syvn1	AK004688	Mm.149870	19	9.340	9.665	9.880	9.275	9.399	8.911	8.939	9.248	9.713	9.473	9.418	9.585	9.456	9.297	9.144	9.102	9.476	9.355	9.090	9.012	9.580	9.455	9.244	9.035	
1428071	at	1110038D17Rik	AK004153	Mm.29382	10	9.803	9.909	9.875	9.920	10.042	9.824	9.701	9.916	9.839	9.924	9.586	10.148	9.956	9.686	10.052	9.908	10.167	10.215	10.107	10.125	10.101	10.151	9.864	10.077	
1428072	a at	Dolbp1	AK002544	Mm.285167	2	9.583	9.474	9.542	9.714	9.610	9.545	9.638	9.588	9.525	9.413	9.464	9.413	9.614	9.548	9.434	9.605	9.565	9.522	9.694	9.641	9.667	9.499	9.595	9.558	
1428073	a at	Nup88	AK002643	Mm.289892	11	10.672	10.726	10.880	10.766	10.730	10.835	10.829	10.851	10.532	10.852	10.752	10.758	10.709	10.756	10.792	10.923	11.110	10.971	10.949	10.987	10.902	10.856	10.682	10.756	
1428074	at	Tmem158	BE981853	Mm.8569	9	7.086	8.223	6.610	6.875	8.140	7.018	6.736	7.258	9.495	9.024	7.688	8.590	8.353	8.345	8.464	6.730	6.976	7.109	7.060	6.564	6.765	6.907	6.631	6.449	
1428075	at	Ndufb4	BG968046	Mm.379154	16	13.390	13.166	13.432	13.437	13.238	13.415	13.345	13.239	12.947	13.001	13.099	13.227	13.009	12.857	13.129	13.392	13.572	13.576	13.470	13.514	13.585	13.493	13.461	13.397	
1428076	s at	Ndufb4	BG968046	Mm.379154	16	12.737	12.422	12.783	12.745	12.659	12.811	12.774	12.530	12.911	12.351	12.486	12.605	12.372	12.248	12.477	12.705	12.927	13.009	12.784	12.875	12.850	12.729	12.761	12.729	
1428077	at	Tmem163	AK011522	Mm.281287	1	5.770	5.737	5.794	5.779	5.725	6.726	5.690	5.804	5.855	5.712	5.759	6.142	5.804	5.788	5.863	5.784	5.891	6.443	6.042	5.723	5.871	5.917	5.801	5.901	
1428078	at	Rnt1	AK002624	Mm.262707	11	9.850	10.403	9.971	9.676	10.178	9.926	9.737	9.950	10.167	10.396	10.443	10.359	10.250	10.127	10.588	10.362	9.776	9.952	9.841	10.158	9.684	9.850	10.077	10.037	10.353
1428079	at	Fdb	AK011118	Mm.30063	3	5.263	5.375	5.230	5.117	5.236	5.075	5.048	5.160	5.185	4.880	5.199	5.071	5.323	5.131	4.917	5.046	5.197	5.147	4.943	4.995	4.925	5.200	5.242	5.058	5.049
1428080	at	Khlh21	AK007786	Mm.22306	5	10.327	10.317	10.505	10.216	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320	10.320
1428081	at	Cac15	AK006541	Mm.292056	19	9.991	10.948	9.947	10.029	10.420	10.143	10.140	10.389	10.905	10.612	10.620	10.386	10.625	10.867	10.283	9.946	8.863	9.692	9.810	9.592	9.849	9.989	9.928	9.690	
1428082	at	23c10043N10Rik	AK018202	Mm.281895	19	14.047	13.681	14.073	13.744	13.671	13.713	13.876	13.399	13.483	13.829	13.092	13.549	13.700	13.544	13.692	14.069	13.235	13.082	13.216	13.441	13.116	13.200	13.627	13.766	
1428084	at	Krr1	AK011972	Mm.34606	10	9.864	9.993	10.139	10.065	9.755	10.176	10.004	9.901	9.707	9.919	9.978	9.749	9.680	10.017	9.936	10.178	9.870	10.016	10.082	10.143	9.942	9.880	10.054	10.315	
1428085	at	1110057K04Rik	AK004285	Mm.25608	12	9.609	9.904	9.721	9.799	9.897	9.859	9.700	9.762	9.931	10.010	9.447	9.839	9.770	9.803	9.657	9.848	9.837	9.885	9.885	9.763	9.778	9.958	9.701	9.789	
1428086	at	Dnm1l	BM249101	Mm.218820	16	11.737	11.687	11.861	11.710	11.669	11.831	11.711	11.699	11.506	11.711	11.581	11.549	11.528	11.602	11.666	11.151	11.688	11.806	11.813	11.871	11.697	11.630	11.710	11.796	
1428087	at	Dnm1l	BM249101	Mm.218820	16	10.185	10.186	10.327	9.951	9.983	10.302	10.161	9.671	9.793	10.381	10.088	9.740	9.778	10.268	10.117	10.495	9.581	9.886	10.308	10.377	9.719	9.598	10.168	10.443	
1428088	at	11100202I01Rik	AK004547	Mm.28270	17	9.233	9.117	9.198	9.134	8.975	9.001	9.039	9.206	8.994	9.079	9.046	9.061	9.151	8.939	8.983	9.172	9.366	9.333	9.131	9.327	9.264	9.319	9.072	9.134	
1428089	at	Slrr1k1	AK014285	Mm.257268	14	5.462	5.044	5.373	5.289	5.346	5.272	5.221	5.345	5.185	5.093	5.542	5.213	5.217	5.338	5.292	5.242	5.331	5.348	5.297	5.500	5.322	5.080	5.240	5.207	
1428090	at	Pitcd3	AK013131	Mm.302556	6	10.858	10.825	11.087	11.088	10.790	11.189	11.141	10.906	10.316	10.454	10.798	10.610	10.320	10.621	10.744	11.001	11.206	11.083	11.091	11.178	11.090	11.193	11.062	11.267	
1428091	at	Klhl5	AK012326	Mm.273768	5	11.115	10.234	11.289	10.774	10.328	10.614	10.822	10.441	9.594	10.188	10.195	10.410	10.129	9.898	10.325	11.368	10.276	9.874	10.044	9.993	10.299	10.509	10.271	13.059	
1428092	at	Cdc5l	AK004547	Mm.28270	17	9.233	9.117	9.198	9.134	8.975	9.001	9.039	9.206	8.994	9.079	9.046	9.061	9.151	8.939	8.983	9.172	9.366	9.333	9.131	9.327	9.264	9.319	9.072	9.134	
1428093	at	Trabd	AK017745	Mm.28810	15	9.144	9.395	9.121	9.381	9.151	9.120	9.143	8.901	9.240	9.149	9.060	9.209	8.908	9.031	8.891	9.292	9.320	9.223	9.173	9.038	9.082	9.133	9.084	8.919	
1428094	at	Lamp2	BB390704	Mm.4846	X	12.339	12.392	12.221	12.119	12.127	12.322	12.360	12.248	12.230	12.573	12.288	12.352	12.430	12.525	12										

1428143	a	at	Pnpla2	AK003207	Mm.29998	7	11.479	11.151	11.339	11.415	11.384	11.367	11.445	11.408	10.867	11.105	11.173	11.605	11.209	10.745	11.503	11.382	12.204	12.187	12.009	11.980	12.153	12.008	11.887	11.876
1428144	at	Lrwd1	AK004717	Mm.425292	5	8.141	8.191	8.084	8.152	8.054	8.084	8.075	8.179	8.131	8.182	8.188	8.244	8.203	8.110	8.203	8.212	8.212	8.177	8.278	8.167	8.124	8.171	8.176		
1428145	at	Acaa2	AK002555	Mm.245724	18	13.542	12.732	13.649	13.751	12.774	13.644	13.477	12.857	12.058	12.413	12.726	12.774	12.321	12.942	13.364	13.678	13.770	13.819	13.964	13.960	13.616	13.562	13.842	13.972	
1428146	s	at	AK002555	Mm.245724	18	13.613	12.983	13.823	13.955	13.006	13.819	13.738	13.149	12.287	12.612	12.969	13.021	12.575	13.118	13.502	13.678	13.929	14.042	14.059	14.182	13.816	13.947	14.023	14.102	
1428147	at	Coro7	BB203098	Mm.325512	16	7.651	8.078	7.514	7.635	8.025	7.580	7.480	8.009	8.150	7.938	7.863	8.037	7.976	7.972	7.916	7.580	7.716	7.852	7.675	7.631	7.725	7.611	7.620	7.705	
1428148	s	at	BB203098	Mm.325512	16	8.664	8.924	8.712	8.843	8.859	8.644	8.718	8.942	9.087	8.898	8.836	8.817	8.906	8.936	8.767	8.653	8.741	8.731	8.698	8.736	8.781	8.673	8.690	8.468	
1428149	at	Coro7	BB203098	Mm.325512	16	5.700	6.207	5.555	5.662	6.106	5.724	5.718	5.869	6.159	5.885	5.968	5.950	6.017	6.086	5.566	5.506	5.987	5.888	5.634	5.335	5.745	5.951	5.674	5.766	
1428150	at	Coro7	BB203098	Mm.325512	16	7.130	7.441	7.018	7.205	7.306	7.142	7.200	7.134	7.533	7.195	7.204	7.343	7.286	7.503	7.394	7.141	6.801	7.059	7.300	7.179	7.125	6.957	7.188	7.019	
1428151	x	at	Ccbl1	AK008165	Mm.216089	2	7.987	7.516	8.115	8.200	7.857	8.128	8.070	8.114	8.914	7.298	7.546	8.167	7.485	7.191	7.871	8.067	8.574	8.069	8.333	8.300	8.416	8.668	8.247	8.163
1428152	a	at	Rpl18a	BF577616	Mm.379251	8	13.469	13.886	13.246	13.429	13.673	13.413	13.420	14.050	14.239	13.861	13.641	13.990	13.991	13.797	13.423	13.201	14.108	13.811	13.402	13.427	13.874	14.003	13.125	12.977
1428153	at	Mros10	AK004151	Mm.216250	17	9.663	10.428	9.587	9.694	10.055	9.612	9.693	10.190	10.185	10.009	9.757	9.949	9.570	10.019	9.543	9.569	9.924	9.869	9.546	9.451	9.894	9.917	9.367	9.475	
1428154	s	at	Pnappc1b	Mm.380505	8	8.193	9.284	8.119	8.215	8.751	8.397	8.309	8.490	9.192	9.069	8.523	8.863	9.038	9.075	8.563	8.233	8.409	8.484	8.508	8.403	8.220	8.295	8.060	8.073	
1428155	at	Comtd9	AK007640	Mm.330424	2	9.160	9.490	9.214	9.261	9.156	9.308	9.244	9.271	9.495	9.405	9.169	9.322	9.191	9.355	9.269	9.315	9.416	9.520	9.439	9.477	9.97	9.389	9.208	9.360	
1428156	at	Gna2	AV021455	Mm.41737	14	7.212	7.498	7.323	7.593	7.528	7.558	7.405	7.277	7.669	7.710	7.387	7.514	7.437	7.799	7.606	7.392	7.154	7.312	7.433	7.193	7.189	7.183	7.255	7.301	
1428157	at	Gna2	AV021455	Mm.41737	14	4.444	4.656	4.640	4.565	4.782	4.918	4.781	4.466	4.852	4.723	4.522	4.664	4.778	5.005	4.695	4.595	4.460	4.462	4.712	4.793	4.521	4.431	4.589	4.689	
1428158	at	Akt1s1	BM068933	Mm.148007	7	9.512	9.194	9.656	9.506	9.474	9.536	9.520	9.165	9.299	9.556	9.425	9.432	9.373	9.576	9.621	9.939	9.430	9.447	9.732	9.877	9.459	9.173	9.607	9.782	
1428159	s	at	Ndufab1	AK010307	Mm.3014	7	13.663	13.429	13.578	13.679	13.521	13.590	13.541	13.695	13.007	13.141	13.406	13.321	13.128	13.049	13.333	13.574	13.869	13.889	13.664	13.707	13.867	13.902	13.592	13.618
1428160	at	Ndufab1	AK010307	Mm.3014	7	10.265	9.883	10.137	10.045	9.828	10.022	9.974	10.353	9.637	9.575	9.769	9.910	9.557	9.633	9.693	9.885	10.509	10.189	10.093	10.107	10.416	10.777	10.003	10.120	
1428161	a	at	Chchd2	B1694986	Mm.30133	5	14.679	14.446	14.586	14.563	14.521	14.522	14.511	14.417	14.331	14.489	14.300	14.426	14.370	14.447	14.498	14.526	14.453	14.478	14.483	14.380	14.571	14.575	14.672	
1428162	at	4933421E11Rik	AK008209	Mm.259638	3	7.867	7.895	7.908	7.632	7.730	7.551	7.646	8.452	7.703	8.035	7.111	7.802	7.621	7.451	7.591	7.748	8.118	7.762	7.314	7.531	8.480	8.874	8.050	7.893	
1428163	at	Sar1b	AK010187	Mm.196592	11	12.444	12.289	12.610	12.522	12.399	12.450	12.436	12.277	11.908	12.025	12.127	12.209	12.019	11.991	12.281	12.573	12.479	12.469	12.501	12.412	12.426	12.328	12.578	12.472	
1428164	at	Ntud9	AK004444	Mm.241484	5	10.706	10.906	10.705	10.819	10.908	10.814	10.879	10.939	10.657	10.785	10.606	10.811	10.700	10.696	10.730	10.692	11.041	11.151	11.132	11.063	11.022	10.936	10.182	10.927	
1428165	at	Vps24	AK009414	Mm.181278	6	9.074	9.394	9.036	9.020	9.349	9.111	8.956	9.290	9.634	9.612	9.208	9.309	9.436	9.311	9.348	9.052	9.322	8.970	9.201	9.062	8.961	9.133	9.058	9.114	
1428166	at	Cdan1	AK005239	Mm.2289	2	7.484	7.461	7.588	7.518	7.581	7.856	7.453	7.494	7.009	7.220	7.418	7.411	7.308	7.434	7.534	7.638	7.777	7.751	7.664	7.566	7.426	7.636	7.445	7.393	
1428167	a	at	Mpz1	AK003513	Mm.46438	1	5.965	6.947	6.294	6.224	6.901	6.225	6.423	7.183	7.452	7.362	6.582	7.540	7.263	7.108	7.042	6.238	6.569	6.574	6.499	5.975	6.148	6.770	6.047	
1428168	at	Mpz1	AK003513	Mm.46438	1	9.138	9.917	9.341	9.246	9.754	9.440	9.375	9.712	10.102	10.001	9.792	10.013	10.103	10.015	9.702	9.335	9.427	9.624	9.643	9.500	9.166	9.310	9.082	8.997	
1428169	at	Mpz1	AK003144	Mm.272972	1	9.508	9.917	9.410	9.259	9.568	9.385	9.366	9.646	9.966	9.564	9.566	9.496	9.584	9.575	9.586	9.734	9.586	9.716	9.654	9.776	9.644	9.768	9.703		
1428170	at	Zfp180	AK009725	Mm.258426	7	7.949	7.850	8.003	8.023	7.826	7.824	7.66	8.084	8.206	7.562	7.955	7.952	7.830	7.843	7.907	7.988	8.111	7.335	8.223	8.027	8.675	8.439	8.211		
1428171	at	Prrf39	BB460975	Mm.283339	12	7.111	7.051	7.377	6.962	6.900	7.241	7.155	6.473	7.679	7.465	6.947	6.833	6.935	7.120	7.255	7.583	6.376	6.640	6.324	6.615	6.873	6.867	7.585	7.452	
1428172	at	Prrf39	BB460975	Mm.283339	12	7.440	7.710	7.757	7.533	7.791	7.599	7.491	5.800	7.584	7.878	7.226	7.811	6.696	7.513	7.714	7.496	7.424	7.537	7.380	7.197	7.474	7.783	7.597	7.524	
1428173	at	Emi2	AK005562	Mm.154121	7	8.550	8.524	8.594	8.632	8.472	8.758	8.583	8.460	8.420	8.578	8.317	8.420	8.573	8.435	8.580	8.644	8.573	8.563	8.665	8.671	8.421	8.412	8.707	8.509	
1428174	x	at	Khsrp	BO174458	Mm.476035	17	8.314	8.347	8.154	8.437	8.172	8.159	8.230	8.016	8.318	8.302	8.330	8.295	8.362	8.309	8.082	8.205	8.241	8.173	8.231	8.343	8.239	7.924	8.205	8.428
1428175	at	Tmem161b	BM206565	Mm.295063	13	7.481	7.662	7.466	7.556	7.122	7.981	7.798	7.578	7.264	7.462	7.352	7.653	7.320	7.634	7.358	7.481	7.681	7.497	7.237	7.394	7.604	7.397	7.574	7.539	
1428176	at	S1nr2	AK003144	Mm.46493	9	7.439	8.339	7.659	7.711	7.920	7.734	7.727	7.794	8.674	7.480	8.083	8.291	8.512	8.401	8.230	7.577	7.503	7.570	7.811	7.455	7.511	7.268	7.433	7.719	
1428177	at	Adipob6b	AK001629	Mm.284005	12	11.357	11.792	11.380	11.990	11.895	11.155	11.378	11.865	11.978	11.365	11.591	11.343	11.826	11.456	11.830	11.759	11.456	11.380	11.151	11.496	11.353	11.426	11.595	11.593	
1428178	s	at	Trappc6b	BO606462	Mm.290070	12	10.761	10.842	10.798	10.857	10.810	10.796	10.809	10.926	10.593	10.852	10.168	10.886	10.723	10.633	10.800	10.750	10.877	10.834	10.710	10.674	10.931	11.099	10.835	10.981
1428179	at	Ndufuv2	B1692577	Mm.2206	17	13.759	13.483	13.615	13.709	13.521	13.634	13.624	14.069	13.318	13.305	13.566	13.510	13.388	13.234	13.485	13.683	14.063	13.953	13.807	13.852	14.065	14.199	13.687	13.759	
1428180	at	2810422J05Rik	AK013135	Mm.297372	8	10.859	10.396	10.766	10.795	10.616	10.457	10.439	10.942	10.476	10.461	10.356	10.999	10.804	10.386	10.390	10.688	11.067	10.909	10.637	10.496	10.993	11.137	10.453	10.329	
1428181	at	Etfb	B1692487	Mm.30200	7	13.958	13.477	14.128	14.146	13.676	14.124	14.021	13.423	12.715	13.154	13.356	13.220	13.029	13.405	13.675	14.111	13.900	13.999	14.135	14.214	13.826	13.738	13.748	14.029	14.134
1428182	at	Prrspat1	AK011290	Mm.25125	11	9.943	10.233	9.922	10.086	10.193	10.028	9.982	10.155	10.443	10.340	10.058	10.495	10.392	10.209	10.137	9.997									

1428232	at	Cpsf6	BB425379	Mm.288682	10	8.747	9.535	8.585	8.499	8.772	8.470	8.682	8.989	9.204	9.055	8.930	8.962	8.696	9.217	8.677	8.601	8.673	8.392	8.400	8.118	8.693	8.677	8.431	8.494	
1428233	at	Cpsf6	BB425379	Mm.288682	10	7.698	8.403	8.000	7.670	7.738	7.993	8.109	7.803	7.810	8.041	7.950	7.930	7.489	7.543	8.169	7.678	8.051	7.225	7.248	7.494	7.360	7.563	7.572	8.028	7.920
1428234	at	Cpsf6	BB425379	Mm.288682	10	5.241	5.875	5.484	5.167	5.022	5.247	5.244	5.149	5.112	5.255	5.430	5.077	5.164	5.360	5.308	5.364	5.232	5.252	5.217	5.098	5.048	4.997	5.338	5.354	
1428235	at	Sdhf	AK013962	Mm.10406	9	13.843	13.651	13.814	13.913	13.606	13.898	13.832	13.516	13.129	13.366	13.552	13.586	13.323	13.486	13.379	13.579	13.687	13.628	13.739	13.723	13.739	13.548	13.538	13.724	
1428236	at	Achd5	AK001071	Mm.181973	2	8.377	9.245	9.131	8.813	9.961	9.965	8.803	9.170	9.334	9.432	9.740	9.935	9.208	9.177	9.271	9.028	9.879	9.833	9.962	9.873	9.955	9.147	8.945	9.167	
1428237	at	Orc3l	B1689227	Mm.399624	4	11.353	11.448	11.511	11.395	11.291	11.367	11.385	11.238	11.280	11.407	11.457	11.433	11.443	11.464	11.566	11.529	11.295	11.363	11.372	11.342	11.394	11.352	11.516	11.555	
1428238	at	Orc3l	B1689227	Mm.399624	4	6.615	5.918	6.548	6.170	6.104	6.483	6.504	6.470	6.101	6.164	6.289	6.171	6.127	6.363	6.392	6.392	6.308	6.282	6.340	6.699	6.219	6.208	6.580	6.683	
1428239	at	Ankrd16	AK013354	Mm.260201	2	8.719	9.117	8.753	8.850	9.195	8.982	8.757	9.098	9.138	8.961	8.520	9.285	9.021	8.909	8.931	8.643	9.181	9.283	9.010	8.905	8.916	9.115	8.733	8.472	
1428240	at	Nrxn1	AK017578	Mm.312068	17	8.140	8.325	8.279	8.426	8.300	8.399	8.378	8.448	8.307	8.251	8.420	8.310	8.279	8.276	8.127	8.437	8.358	8.288	8.356	8.469	8.368	8.273	8.338	8.398	
1428241	at	Z310035K24Rik	AK002807	Mm.2937	2	8.666	8.670	8.765	8.685	8.525	8.580	8.610	8.571	8.435	8.514	8.413	8.537	8.493	8.548	8.478	8.687	8.672	8.707	8.818	8.724	8.717	8.575	8.680	8.791	
1428242	at	Hmh1a1	AK018130	Mm.243954	10	6.364	7.394	6.562	6.770	6.641	6.674	6.713	6.810	7.588	7.406	6.639	6.988	7.133	7.241	6.872	6.464	6.790	6.703	6.596	6.611	6.736	6.736	6.402	6.402	
1428243	at	1700021K19Rik	AK006217	Mm.327319	16	9.488	8.903	9.661	9.766	9.956	9.751	9.659	9.554	9.639	9.701	9.549	9.547	9.766	9.616	9.713	9.774	9.687	9.617	9.600	9.755	9.692	9.446	9.433	9.655	
1428244	at	Lar1l	BC0716113	Mm.248843	11	10.733	10.738	10.781	10.786	10.684	10.688	10.773	10.558	10.561	10.708	10.871	10.470	10.473	10.756	10.645	10.839	10.520	10.596	10.684	10.716	10.543	10.538	10.846	10.843	
1428245	at	G6pc3	AK002966	Mm.22385	11	10.268	10.245	10.255	10.301	10.209	10.308	10.266	9.781	9.963	10.038	10.344	10.108	10.105	10.129	10.168	10.329	10.047	10.400	10.348	10.470	10.263	10.102	10.245	10.411	
1428246	at	Vps26b	BI081895	Mm.218717	9	9.042	8.892	9.158	9.048	8.988	9.188	8.985	8.872	9.131	9.208	8.893	9.128	9.234	9.208	9.200	9.227	9.084	9.269	9.384	9.323	9.117	8.988	9.222	9.126	
1428247	at	Vps26b	BI081895	Mm.218717	9	9.021	9.241	9.083	9.034	9.073	9.086	9.139	9.030	9.324	9.263	9.142	9.080	9.152	9.173	9.090	9.149	9.027	9.094	9.129	9.131	8.987	9.016	9.203	8.935	
1428248	at	Nfx1	AK005038	Mm.247456	4	8.164	8.772	8.464	8.429	8.426	8.394	8.189	8.297	8.629	8.527	8.694	8.764	8.584	8.429	8.681	8.540	8.118	8.128	8.108	8.044	8.293	8.173	8.534	8.702	
1428249	at	Pvgo2	AK004486	Mm.22521	3	9.168	9.783	9.171	9.477	9.672	9.428	9.296	9.370	9.820	9.802	9.666	9.769	9.614	9.717	9.659	9.336	9.374	9.604	9.493	9.321	9.380	9.135	9.285	9.247	
1428250	at	Gper	AK018203	Mm.389706	5	7.134	7.323	7.281	7.287	7.163	7.272	7.178	7.406	7.603	7.501	7.710	7.533	7.563	7.208	7.231	7.518	7.403	7.434	7.185	7.407	7.313	7.268	7.289	7.268	
1428251	at	Smchd1	AK016419	Mm.194450	17	8.660	9.195	8.796	8.719	8.789	8.842	8.861	8.628	8.833	9.014	8.807	8.806	8.797	9.046	8.792	8.795	8.693	8.602	8.730	8.477	8.617	8.899	8.703	8.761	
1428252	at	Chmp2b	AA881383	Mm.432944	16	9.436	9.678	9.618	9.579	9.640	9.676	9.588	8.662	9.674	9.909	9.354	9.920	9.674	9.630	9.796	9.501	9.483	9.534	9.573	9.551	9.585	9.691	9.719	9.610	
1428253	at	Chmp2b	AA881383	Mm.432944	16	9.720	10.246	9.848	9.895	9.995	9.922	9.891	10.047	10.212	10.280	9.875	10.035	10.069	10.087	10.059	9.868	9.897	9.940	9.978	9.969	9.991	9.900	9.953	9.961	
1428254	at	Purb	BC019459	Mm.296150	11	9.107	9.475	9.144	9.110	9.272	9.231	9.196	9.496	9.245	9.407	9.459	9.387	9.266	9.342	9.366	9.120	9.142	9.113	8.986	8.807	9.211	9.327	9.062	9.143	
1428255	at	Luc1	AV309996	Mm.440216	17	10.374	10.135	10.289	10.467	10.412	10.460	10.413	10.119	9.898	10.040	10.296	10.455	10.333	9.963	10.357	10.293	10.512	10.266	10.175	10.256	10.326	10.369	10.393	10.226	
1428256	at	Txndc15	AK009878	Mm.294457	13	11.180	11.266	11.275	11.388	11.402	11.292	11.207	10.980	11.181	10.948	11.336	11.235	11.093	11.261	11.265	11.468	11.470	11.357	11.239	11.438	11.441	11.290	11.431	11.281	
1428257	s at	Dvnlr1b1	BG7191323	Mm.23693	2	9.287	9.613	9.155	9.189	9.725	9.225	9.287	10.829	9.902	9.537	9.622	9.788	9.644	9.146	9.333	9.029	10.949	10.094	9.347	9.472	10.587	10.665	9.502	9.273	
1428258	s at	Dvnlr1b1	BG7191323	Mm.23693	2	12.329	12.156	12.366	12.392	12.096	12.277	12.066	12.377	12.066	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	12.302	
1428259	at	AK010185	Mm.251774	12	10.094	11.288	10.597	11.131	10.689	10.338	11.035	11.162	11.030	11.111	11.152	11.582	11.416	11.206	11.089	10.741	10.909	10.619	10.609	10.609	10.609	10.609	10.609	10.609	10.609	
1428260	at	Spo3a	BE948928	Mm.394588	12	7.168	7.477	7.307	7.511	7.728	7.582	7.434	7.849	7.657	7.746	7.244	7.986	7.607	7.587	7.653	7.198	8.159	8.146	8.174	7.727	7.691	8.020	7.781	7.356	
1428261	at	Ccdc134	AK009756	Mm.440373	15	6.852	7.250	6.558	6.899	6.879	6.916	7.275	7.003	7.251	7.034	6.980	6.991	6.880	6.953	6.577	6.615	6.956	7.032	6.784	6.811	6.880	6.860	6.774	6.459	
1428262	s at	Hnrnpa3	AK011930	Mm.316306	2	11.393	11.931	11.351	11.372	11.375	11.295	11.372	11.625	11.573	11.675	11.754	11.170	11.194	11.860	11.502	11.334	10.868	10.940	11.012	10.862	11.156	11.150	11.250	11.345	
1428263	a at	Tceb2	AK019181	Mm.153758	17	10.486	10.759	10.284	10.456	10.877	10.316	11.540	11.041	10.642	11.758	11.007	10.887	10.360	10.380	10.227	11.587	11.190	10.573	10.547	11.317	11.487	10.251	10.194		
1428264	at	Wdr5	AK002371	Mm.423014	4	7.663	8.440	7.764	7.824	7.766	7.803	7.797	7.824	7.828	7.779	7.884	7.799	7.593	7.943	7.760	7.831	7.863	7.831	7.890	7.743	7.697	7.723	7.674	7.700	
1428265	at	Pnp2r1b	AK010754	Mm.7726	9	8.850	9.307	8.743	8.711	8.661	8.788	8.630	8.408	9.007	8.929	8.892	8.607	8.752	9.300	8.700	7.864	8.632	8.627	8.835	8.383	8.308	8.327	8.610	8.765	
1428266	at	Pnp2r1b	AK010754	Mm.7726	9	15.043	14.254	14.909	15.013	14.028	15.127	15.071	12.165	14.825	14.519	15.313	15.621	14.742	14.022	14.935	15.951	15.335	15.323	15.022	15.022	15.022	15.022	15.022	15.022	
1428267	at	Dhx40	AK010512	Mm.260627	11	8.513	8.583	8.636	8.632	8.590	8.784	8.537	8.576	8.800	8.920	8.487	8.979	8.855	8.680	8.979	8.630	9.058	8.856	8.900	8.861	8.817	9.074	8.835	8.702	
1428268	at	Psd2	AK018116	Mm.196944	18	4.827	4.103	4.372	4.557	4.452	4.477	4.448	4.408	4.394	4.335	4.458	4.482	4.538	4.361	4.546	4.502	4.490	4.576	4.582	4.730	4.600	4.435	4.452	4.527	
1428269	a at	Gltd8d1	AK010388	Mm.8766	14	9.031	9.403	8.953	9.000	9.310	9.003	8.943	9.210	9.718	9.756	8.689	9.500	9.572	9.173	9.110	8.737	9.489	9.146	8.903	8.781	9.318	9.629	8.917	8.566	
1428270	at	Gltd8d1	AK010388	Mm.8766	14	9.817	10.106	9.766	9.956	10.005	9.979	9.690	10.028	10.291	10.234	9.594	10.144	10.176	9.924	8.959	9.823	10.176	9.913	9.900	9.819	9.874	10.092	9.689	9.653	
1428271	at	Ecbf4	AK008243	Mm.390367	11	9.202	9.261	9.212	9.201	9.946	9.939	9.916	9.118	9.397	9.254	9.135	9.306	9.398	9.097	9.229	9.229	9.229	9.607	9.581						

1428321	at	Em1	AK003593	Mm.266645	12	8.521	8.706	8.529	8.665	8.890	8.792	8.475	8.585	8.546	8.696	8.323	8.795	8.646	8.316	8.528	8.656	8.657	8.732	8.612	8.614	8.659	8.629	8.619	8.737
1428322	a	at	Ndurf10	BI905689	Mm.1129	17	12.807	12.348	12.562	12.533	12.409	12.374	12.595	13.460	12.157	12.159	12.463	12.524	12.042	11.824	12.156	12.427	13.475	12.566	12.461	13.386	13.726	12.353	12.166
1428323	at	Gp2d	BO175968	Mm.3711	2	8.298	8.548	8.447	8.290	8.300	8.554	8.407	8.147	8.177	8.838	8.309	8.389	8.162	8.166	8.409	8.364	8.358	8.283	8.660	8.601	8.439	8.481	8.309	8.611
1428324	at	Gp2d	BO175968	Mm.3711	2	6.035	5.926	5.994	5.880	5.925	5.877	6.146	5.926	5.978	5.830	6.004	5.711	6.045	6.249	5.974	5.910	5.902	5.995	5.805	5.869	5.948	5.807	5.935	5.902
1428325	at	Cnyd4	AK011474	Mm.24592	5	7.842	9.149	7.916	8.154	8.652	8.588	8.093	8.818	9.515	8.314	8.399	9.186	8.856	9.166	8.544	8.021	8.567	8.486	8.453	8.244	8.250	8.417	8.177	8.126
1428326	s	at	Hrs12	AK005016	Mm.143977	12	8.284	8.462	8.400	8.507	8.716	8.833	8.454	8.601	8.826	8.882	8.053	8.822	8.713	8.280	8.813	8.554	8.828	8.795	8.660	8.692	8.967	9.126	8.744
1428327	at	Trk1	BB010301	Mm.305318	9	10.620	11.203	10.754	10.957	11.223	11.026	10.976	10.540	10.810	11.077	10.874	10.914	10.771	11.075	10.869	10.814	10.319	10.809	11.071	10.966	10.148	10.435	10.877	11.232
1428328	at	Nup50	AK006556	Mm.28379	15	8.629	8.723	8.704	8.787	8.767	8.760	8.913	8.568	8.672	8.654	8.729	8.713	8.779	8.808	8.837	8.856	8.698	8.878	8.934	8.861	8.816	8.759	9.025	8.997
1428329	a	at	lft80	AK019542	Mm.389451	3	5.588	5.883	6.040	6.019	5.804	6.110	6.082	5.829	5.858	5.727	5.992	5.963	6.042	5.833	5.958	5.894	5.755	5.908	5.575	5.908	5.752	6.098	
1428330	at	Dovev2	AK012087	Mm.23230	16	8.160	8.204	8.198	8.106	8.225	8.217	8.066	8.432	8.676	8.562	7.925	8.450	8.412	8.255	8.235	8.191	8.462	8.227	8.179	7.978	8.129	8.415	8.191	8.142
1428331	at	Z210016F16Rik	BB547211	Mm.426287	13	10.402	10.698	10.300	10.454	10.521	10.451	10.263	10.503	10.635	10.454	10.251	10.442	10.471	10.379	10.277	10.197	10.862	10.644	10.524	10.461	10.696	10.719	10.318	10.283
1428332	at	Pik3p1	AW556858	Mm.390323	11	10.340	9.393	10.491	10.614	10.948	11.071	10.620	10.349	9.459	9.931	9.078	10.848	10.825	10.108	11.086	10.595	11.047	10.956	10.844	11.119	11.070	11.311	11.101	11.001
1428333	at	Z900062111Rik	AK013740	Mm.328035	X	4	2.293	5.429	4.500	4.652	5.054	5.470	4.919	4.752	5.774	5.998	4.675	4.861	5.255	5.278	4.973	4.379	5.071	5.084	5.210	4.890	4.48	4.599	4.902
1428334	at	Ostm1	AK004546	Mm.46636	10	10.701	10.855	10.857	10.773	10.959	10.887	10.824	10.784	10.896	10.962	10.578	10.896	10.964	10.959	10.830	10.785	10.711	10.724	10.720	10.727	10.703	10.854	10.670	10.792
1428335	a	at	Sctd1	AK014070	Mm.216511	12	8.852	9.414	8.829	8.613	8.928	8.831	8.866	9.132	9.097	9.257	8.777	9.057	8.865	9.120	8.828	8.812	8.998	8.774	8.799	8.760	8.878	9.330	8.473
1428336	at	Aqpat4	AK005139	Mm.258300	17	7.624	8.037	7.368	7.531	8.111	7.657	7.661	7.986	8.664	8.463	8.242	8.413	8.412	8.097	8.024	7.255	7.771	7.768	7.445	7.701	7.929	7.887	7.734	7.464
1428337	at	1810034K20Rik	AK007694	Mm.24601	14	9.799	10.291	9.932	10.054	10.252	10.117	10.037	9.836	10.062	10.122	9.902	10.156	10.031	9.944	10.144	9.768	9.939	10.071	10.151	9.943	9.799	9.770	9.681	9.703
1428338	at	Spat2L	AK019166	Mm.41459	8	7.021	7.076	7.234	7.355	7.766	7.151	7.140	7.071	6.984	6.970	6.987	7.103	7.109	7.079	7.162	7.168	7.370	7.409	7.272	7.207	7.434	7.283	7.230	7.149
1428339	at	Nutd12	AK017799	Mm.354445	8	8.537	8.389	8.350	8.487	8.679	8.563	8.315	8.690	8.282	8.425	8.457	8.544	8.488	8.128	8.523	8.394	9.027	8.936	8.737	8.611	8.820	9.148	8.581	8.602
1428340	s	at	Atp13a2	BM944122	Mm.205625	4	9.208	9.658	9.260	9.356	9.423	9.248	9.047	9.098	9.782	9.487	9.005	9.455	9.347	9.459	9.213	9.323	9.298	9.264	9.193	8.970	9.299	9.394	8.974
1428341	at	Zlf655	BM230200	Mm.206555	5	9.666	9.405	9.592	9.294	9.373	9.602	9.438	9.253	9.098	9.207	9.583	9.268	9.188	9.209	9.489	9.584	9.337	9.424	9.368	9.365	9.278	9.400	9.001	9.555
1428342	at	Rcor3	BB667699	Mm.207457	1	9.408	9.191	9.650	9.619	9.587	9.996	9.864	9.393	8.993	9.414	9.055	9.499	9.364	9.330	9.867	9.729	9.736	9.757	9.941	10.032	9.508	9.559	9.513	9.644
1428343	at	Rcor3	BB667699	Mm.207457	1	9.313	9.275	9.346	9.530	9.638	9.694	9.513	9.712	9.295	9.403	9.188	9.958	9.694	9.100	9.669	9.318	10.319	10.148	9.827	9.774	9.771	10.048	9.981	9.344
1428344	at	Ppadc2	BB229589	Mm.441887	19	7.600	7.973	8.214	8.032	8.045	7.948	8.098	8.032	7.877	7.958	7.658	8.057	7.870	8.024	7.817	8.257	7.952	8.039	8.272	7.945	7.826	8.098	8.100	7.922
1428345	at	Ppadc2	BB229589	Mm.441887	19	7.159	7.346	7.211	7.201	7.239	7.309	7.071	6.798	7.412	7.004	7.064	7.124	7.151	7.173	7.319	6.942	7.322	7.179	7.052	7.183	7.417	7.611	7.298	7.327
1428346	at	Trd1f	AK003586	Mm.20448	5	9.432	9.385	9.575	9.574	9.448	9.514	9.562	9.242	9.426	9.502	9.468	9.706	9.455	9.493	9.593	9.591	9.396	9.435	9.311	9.420	9.359	9.163	9.833	9.480
1428347	at	Cyfp2	BM206907	Mm.209750	11	8.268	8.595	8.326	8.216	8.370	8.207	8.408	8.007	8.446	8.488	8.567	8.190	8.321	8.735	8.189	8.560	7.710	8.086	8.146	8.244	7.816	7.883	8.493	8.445
1428348	at	Osp2d	AK018264	Mm.458078	11	9.267	8.728	7.340	7.439	9.135	7.659	7.687	8.236	8.868	8.989	9.216	8.968	8.927	8.842	8.989	9.213	9.323	9.298	9.264	9.193	8.970	9.299	9.394	8.974
1428349	s	at	Osp2d	AK018264	Mm.458078	11	9.267	8.728	7.340	7.439	9.135	7.659	7.687	8.236	8.868	8.989	9.216	8.968	8.927	8.842	8.989	9.213	9.323	9.298	9.264	9.193	8.970	9.299	9.394
1428350	at	Ebf3	AK014058	Mm.258708	7	6.863	6.851	7.002	6.918	6.987	6.782	6.849	7.018	7.169	6.979	7.034	7.071	7.136	7.024	7.202	6.961	6.532	7.006	7.031	6.912	7.062	6.804	7.086	7.076
1428351	at	Z210016F22Rik	AV091287	Mm.334869	8	8.019	8.038	7.978	8.119	7.945	7.917	7.994	7.995	7.896	7.914	8.173	7.992	7.918	7.990	7.974	8.017	7.989	8.066	8.127	8.033	8.067	8.044	7.983	7.944
1428352	at	Ppm1m	AK013149	Mm.23018	9	8.949	8.926	9.098	8.929	9.361	9.176	8.927	9.349	9.629	9.400	9.163	9.484	9.388	9.501	9.376	8.985	9.367	9.510	9.586	9.241	9.120	9.324	9.066	9.191
1428353	at	Arddc2	AW542672	Mm.22415	8	6.088	5.580	6.257	6.202	6.326	6.128	5.924	5.513	5.764	5.924	5.625	5.791	5.885	5.937	5.694	6.408	5.651	5.934	6.012	6.205	6.328	6.518	6.671	6.722
1428354	at	Foxk2	BM206907	Mm.209750	11	8.668	8.091	8.733	8.839	8.969	8.823	8.607	8.751	8.727	8.851	8.808	8.840	8.750	8.803	8.679	8.860	8.879	8.896	8.854	8.794	8.839	8.877	8.671	9.000
1428355	at	Foxk2	BM206907	Mm.209750	11	8.206	8.595	8.326	8.216	8.370	8.207	8.408	8.007	8.446	8.488	8.567	8.190	8.321	8.735	8.189	8.560	7.710	8.086	8.146	8.244	7.816	7.883	8.493	8.445
1428356	at	Osp2d	AK018264	Mm.458078	11	9.267	8.728	7.340	7.439	9.135	7.659	7.687	8.236	8.868	8.989	9.216	8.968	8.927	8.842	8.989	9.213	9.323	9.298	9.264	9.193	8.970	9.299	9.394	8.974
1428357	at	Osp2d	AK018264	Mm.458078	11	9.267	8.728	7.340	7.439	9.135	7.659	7.687	8.236	8.868	8.989	9.216	8.968	8.927	8.842	8.989	9.213	9.323	9.298	9.264	9.193	8.970	9.299	9.394	8.974
1428358	at	2610019F03Rik	AK011462	Mm.35727	8	7.518	7.593	7.749	7.730	7.580	7.944	7.711	7.700	7.375	7.497	7.464	7.744	7.605	7.459	7.686	7.743	7.464	7.741	7.577	7.676	7.634	7.713	7.522	7.683
1428359	s	at	1810010M01Rik	BF581690	Mm.21835	7	5.122	4.859	5.144	4.997	4.884	4.850	5.015	4.980	4.813	4.704	4.767	4.906	4.689	4.939	4.842	4.800	5.082	4.979	4.855	4.820	4.858	5.273	4.782
1428360	x	at	1810010M01Rik	BF581690	Mm.21835	7	4.880	4.868	4.672	4.813	4.479	4.762	4.840	4.745	4.879	4.723	4.481	4.715	4.770	4.653	4.816	4.478	4.606	4.484	4.603	4.478	4.480	4.681	4.478
1428361	x	at	Ndurf10	BI584499	Mm.29513	17	11.565	11.351	11.348	11.336	11.212	11.335</																	

1428410	at	Nat13	AK013287	Mm.278726	16	7.673	7.843	7.813	7.441	7.479	7.973	7.846	7.639	7.162	7.615	7.739	7.406	7.235	7.898	7.479	7.760	7.354	7.719	7.725	7.668	7.482	7.923	7.626	7.835	
1428411	at	1700200141Rik	AK004510	Mm.379181	2	11.680	11.450	11.833	11.952	11.861	11.921	11.874	11.759	11.043	11.451	11.426	11.799	11.557	11.572	11.828	11.898	11.941	11.848	11.749	12.032	11.911	12.079	11.988	12.076	
1428412	at	Tm993	AK004283	Mm.264440	19	10.153	10.251	10.283	10.476	10.804	10.592	10.295	10.149	10.336	10.443	10.290	10.654	10.704	10.355	10.664	10.815	10.377	10.497	10.590	10.515	10.266	10.466	10.324	10.477	
1428413	at	Ccnv	AK017493	Mm.86523	18	9.905	10.015	9.793	9.796	9.976	9.981	9.830	10.161	9.982	10.112	9.946	10.081	10.046	9.825	9.872	9.836	10.134	9.853	9.807	9.727	10.195	10.285	10.465	9.894	
1428414	at	Ccnv	AK017493	Mm.86523	18	7.830	7.650	8.134	8.043	7.737	7.787	8.388	8.320	7.686	8.008	7.618	7.468	7.426	7.988	8.262	8.084	7.545	7.689	7.439	7.914	7.427	8.289	8.695	8.432	
1428415	at	Rn113a2	AK009420	Mm.24846	12	8.446	8.422	8.623	8.400	8.287	8.281	8.420	8.129	8.255	8.392	8.814	8.252	8.388	8.373	8.444	8.583	8.647	8.444	8.527	8.487	8.514	8.487	8.583	8.726	
1428416	at	3110050N22Rik	BE198251	Mm.332366	3	8.420	8.952	8.751	8.553	9.004	8.782	8.734	9.004	9.236	9.587	8.389	9.375	9.428	9.988	9.263	8.680	8.444	8.778	8.849	8.660	8.492	8.855	8.693	8.437	
1428417	at	3110050N22Rik	BE198251	Mm.332366	3	8.073	8.383	7.990	7.884	8.381	8.108	8.022	8.309	8.680	8.856	7.926	8.839	8.904	8.445	8.628	7.973	7.890	8.165	8.194	7.998	7.866	8.015	8.099	7.852	
1428418	s at	3110050N22Rik	BE198251	Mm.332366	3	8.485	9.163	8.712	8.602	9.111	8.666	8.484	8.820	9.479	9.553	8.724	9.437	9.515	9.132	9.373	8.605	8.451	8.725	8.823	8.482	8.585	8.458	8.576	8.439	
1428419	at	5430411K18Rik	AK017297	Mm.297782	18	7.709	8.190	8.266	8.126	8.241	8.122	7.971	8.094	8.229	8.264	8.098	8.244	8.186	8.284	8.024	8.190	8.206	8.083	8.227	7.961	7.937	8.092	8.124	8.021	
1428420	a at	1200009106Rik	AK005443	Mm.248640	12	6.536	7.147	6.414	6.856	6.843	6.736	6.431	6.845	7.104	7.022	6.846	6.836	7.074	6.733	6.653	6.440	6.873	6.864	6.740	6.739	6.751	6.586	6.522	6.646	
1428421	a at	Glo4	BI453663	Mm.249700	11	10.453	10.610	10.466	10.642	10.502	10.645	10.450	10.635	10.695	10.695	10.378	10.893	10.875	10.573	10.597	10.522	10.503	10.507	10.668	10.403	10.612	10.512	10.308	10.223	
1428422	at	Fat2	AK008825	Mm.194459	13	8.445	8.511	8.543	8.577	8.452	8.623	8.485	8.401	8.660	8.707	8.531	8.511	8.581	8.716	8.630	8.574	8.329	8.379	8.514	8.584	8.242	8.339	8.455	8.523	
1428423	at	Pccl3	AI931488	Mm.261218	5	9.750	10.158	9.889	9.896	10.053	9.853	9.883	9.947	10.194	10.208	9.907	10.071	10.071	10.022	9.910	9.920	9.792	9.883	9.806	9.849	9.862	9.885	9.822	9.861	
1428424	at	Pccl3	AI931488	Mm.261218	5	6.989	6.561	6.850	6.857	6.780	6.922	6.882	6.694	6.570	6.625	6.816	6.605	6.696	6.755	6.793	6.844	6.704	6.983	6.676	6.919	6.943	6.840	6.820	6.725	
1428425	at	Tqfbrap1	AK014063	Mm.246069	1	8.109	7.976	8.104	8.085	7.970	7.919	7.936	7.833	7.852	7.928	7.770	8.076	8.000	7.809	7.957	8.110	7.810	7.965	7.936	7.911	8.036	7.896	8.014	7.946	
1428426	s at	Tqfbrap1	AK014063	Mm.246069	1	8.893	9.436	9.347	9.281	9.679	9.444	9.178	9.417	9.504	9.411	9.142	9.613	9.638	9.397	9.404	9.378	9.701	9.609	9.302	9.291	9.503	9.626	9.300	9.204	
1428427	at	Fbxl2	AK013142	Mm.386808	9	5.604	5.609	5.381	5.541	5.582	5.603	5.553	5.949	5.948	5.876	5.621	5.574	5.889	5.761	5.770	5.520	5.438	5.571	5.462	5.535	5.563	5.478	5.392	5.513	
1428428	at	Ahdh11	AK004244	Mm.389700	5	10.392	10.419	10.305	10.328	10.365	10.284	10.250	10.617	10.186	10.136	10.144	10.398	10.159	10.173	10.152	10.228	10.887	10.823	10.577	10.406	10.718	10.854	10.214	10.325	
1428429	at	Rarb	AK004310	Mm.293466	17	7.681	7.888	7.636	7.670	7.720	7.886	7.896	7.166	7.548	7.810	7.980	7.857	7.570	7.906	7.772	7.657	7.292	7.657	7.854	7.731	7.389	7.330	7.699	7.711	
1428430	at	Rarb	AK004310	Mm.293466	17	7.733	7.260	7.642	7.733	7.606	7.908	7.741	7.587	7.480	7.353	7.749	7.354	7.689	7.653	7.490	7.710	7.340	7.475	7.690	7.848	7.713	7.571	7.920	7.784	
1428431	at	Zcchc24	B8813478	Mm.41904	14	10.156	10.035	10.297	10.314	10.291	10.566	10.237	9.792	10.017	10.260	9.918	10.186	10.163	10.304	10.448	10.375	10.012	10.199	10.536	10.567	10.127	10.130	10.430	10.562	
1428432	at	Zcchc24	B8813478	Mm.41904	14	5.726	6.421	6.012	6.610	6.626	6.278	6.247	6.231	6.267	6.312	5.681	6.282	6.262	6.239	6.262	6.385	5.986	6.057	6.551	6.312	6.157	6.606	6.620	6.674	
1428433	at	Hpk2	AK003718	Mm.23790	6	11.709	11.952	11.648	11.602	11.832	11.677	11.687	11.164	11.937	12.285	11.761	11.772	11.794	11.679	11.752	11.739	11.174	11.368	11.685	11.532	11.220	11.209	11.636	11.830	
1428434	at	Zcchc12	AK012833	Mm.297698	X	7.538	7.479	7.612	7.456	7.085	7.373	7.265	7.371	7.323	7.265	7.677	7.269	7.276	7.391	7.365	7.421	7.453	7.566	7.499	7.591	7.238	7.280	7.638	7.237	
1428435	at	Muc2	AK008250	Mm.2041	7	6.852	6.486	6.667	6.625	6.650	6.394	6.919	6.616	6.519	6.542	6.315	6.586	6.764	6.553	6.610	6.784	6.347	6.567	6.638	6.949	6.769	6.711	7.108	6.919	
1428436	at	Lsm14a	BI662680	Mm.276503	7	10.547	10.561	10.209	10.310	10.411	10.186	10.150	10.452	10.370	10.365	10.452	10.370	10.365	10.452	10.370	10.365	10.452	10.370	10.365	10.452	10.370	10.365	10.452	10.365	
1428437	at	Lsm14a	BI662680	Mm.276503	7	6.569	6.297	6.585	6.520	6.351	5.993	6.243	6.514	6.658	6.466	6.455	6.478	6.504	6.458	6.481	6.445	6.419	6.439	6.568	6.337	6.543	6.301	6.485	6.490	
1428438	s at	Lsm14a	BI662680	Mm.276503	7	10.798	10.958	10.934	11.058	10.972	10.977	10.957	10.784	11.011	11.060	11.029	11.053	11.103	11.113	10.964	10.992	10.783	10.844	10.883	10.979	10.802	10.875	11.078	11.021	
1428439	at	Nub1	BQ066220	Mm.5856	5	7.242	7.190	7.277	7.300	7.389	7.336	7.290	7.404	7.372	7.377	7.316	7.261	7.616	7.488	7.277	7.212	7.374	7.198	7.366	7.484	7.395	7.271	7.296	7.445	
1428440	at	S25a12	AK019150	Mm.30928	2	12.427	12.167	12.540	12.459	12.202	12.447	12.406	12.231	11.762	12.028	12.129	12.101	11.801	11.906	12.140	12.638	12.594	12.570	12.660	12.732	12.414	12.312	12.460	12.659	
1428441	at	Cisd2	AK005310	Mm.269993	3	10.834	10.652	10.850	10.895	10.913	11.046	11.225	11.219	10.400	10.640	10.519	10.832	10.618	10.712	10.719	10.719	10.186	11.186	11.019	10.893	10.890	10.982	11.095	10.945	10.862
1428442	at	BC029722	AK009222	Mm.330707	2	9.263	9.569	9.119	9.278	9.445	9.205	9.228	9.511	9.549	9.585	9.086	9.561	9.416	9.225	9.209	9.190	9.391	9.403	9.315	8.855	9.094	9.462	8.724	8.860	
1428443	a at	Rap1aap	AK005063	Mm.180763	4	9.461	9.308	9.100	9.367	9.222	9.122	9.226	9.146	9.165	9.170	8.981	9.185	9.230	8.763	8.796	9.312	9.674	10.024	9.573	9.549	9.172	9.331	9.194	9.338	
1428444	at	Chc3	AK013510	Mm.278246	12	12.683	12.920	12.511	12.778	12.096	12.812	12.718	12.905	11.345	12.918	12.905	12.211	11.589	11.832	12.047	12.047	12.047	12.047	12.047	12.047	12.047	12.047	12.047	12.047	
1428445	at	Ynf1b	AK002444	Mm.36699	7	10.913	11.216	10.626	10.584	10.809	10.575	10.778	11.259	11.214	11.004	10.977	10.796	10.626	10.845	10.474	10.539	11.188	11.123	10.770	10.701	11.022	11.012	10.734	10.317	
1428446	at	Dvcl2l1	AK008822	Mm.246119	17	7.745	7.920	8.043	7.904	8.090	8.086	7.780	7.645	8.091	8.232	7.754	8.173	8.242	8.083	8.084	7.979	7.848	7.910	8.033	8.043	7.812	7.684	7.776	7.696	
1428447	at	Tmem14a	AK017734	Mm.441478	1	8.061	7.775	8.200	8.253	8.163	8.248	8.199	7.587	7.910	8.014	8.866	8.216	8.107	7.855	8.062	8.120	8.360	8.094	8.021	8.103	8.188	8.110	8.204	8.060	
1428448	a at	Gt13c2	AV297256	Mm.271923	5	8.271	8.492	8.210	8.421	8.325	8.248	8.210	8.262	8.361	8.353	8.114	8.410	8.251	8.248	8.274	8.280	8.470	8.893	8.133	8.282	8.239	8.451	8.209	8.256	
1428449	at	Gt13c2	AV297256	Mm.271923	5	7.540	7.595	7.408	7.406	7.550	7.571	7.453	7.705	7.330	7.570	7.254	7.364	7.517												

1428499	at	2810454L23Rik	B0265914	Mm.355094	X	6	6.706	6.394	6.579	6.666	6.446	6.653	6.619	6.272	6.360	6.676	6.194	6.402	6.731	6.206	6.540	6.674	6.266	6.538	6.696	6.837	6.407	6.406	6.694	6.797	
1428500	at	2210419D22Rik	AK008985	Mm.321990		6	8.913	9.299	9.061	9.173	6.986	9.197	9.298	9.277	9.302	9.379	8.894	9.206	9.300	9.197	9.083	9.192	9.312	9.200	9.233	9.273	9.192	9.529	9.124	9.261	
1428501	at	1110051M20Rik	B0176704	Mm.386861		2	8.846	8.678	8.592	8.790	8.911	8.742	8.640	8.809	8.847	8.752	8.651	8.883	8.878	8.674	8.785	8.859	8.868	8.911	8.722	8.781	8.928	8.873	8.468	8.601	
1428502	at	Actr6	AK008409	Mm.335292		10	9.294	9.146	9.549	9.320	9.123	9.128	9.307	9.216	9.040	9.244	8.783	9.389	8.987	9.012	9.158	9.542	9.411	9.262	9.274	9.195	9.625	9.771	9.487	9.534	
1428503	a	Atf1	AK010285	Mm.255448		14	10.512	10.284	10.534	10.337	10.388	10.399	10.650	10.222	9.951	10.288	10.384	10.218	9.998	10.181	10.303	10.626	10.681	10.817	10.845	10.852	10.668	10.466	10.585	9.781	
1428504	at	Nrc5	AW558771	Mm.288809		15	5.405	5.300	5.204	5.183	5.299	5.277	5.235	5.209	5.251	5.259	5.292	5.273	5.245	5.242	5.214	5.225	5.306	5.340	5.305	5.340	5.305	5.330	5.294		
1428505	at	Ccdc90b	AK009370	Mm.211713		7	11.143	10.915	10.988	11.209	11.035	11.179	11.139	11.301	10.802	10.726	10.864	11.172	11.087	10.741	10.944	10.978	11.556	11.362	11.087	11.172	11.481	11.789	11.061	11.005	
1428506	at	Atic	BB393498	Mm.38010		1	9.610	10.223	9.727	9.590	9.787	9.890	9.923	9.346	9.877	9.858	9.879	9.629	9.781	10.395	9.730	9.755	9.476	9.500	9.745	9.721	9.251	9.481	9.902	9.688	
1428507	at	Hdh2	AK014208	Mm.236127		18	9.624	9.660	9.711	9.674	9.586	9.608	9.688	9.537	9.368	9.433	9.705	9.486	9.150	9.454	9.341	9.635	9.546	9.654	9.588	9.453	9.471	9.438	9.466	9.588	
1428508	at	Tbc1d2b	AK004526	Mm.335347		9	8.116	9.038	8.572	8.976	9.044	8.880	8.617	8.437	9.147	9.113	8.408	8.888	9.051	9.042	9.004	8.493	8.383	8.600	8.465	8.584	8.481	8.263	8.428	8.575	
1428509	at	Myo1e	AK018649	Mm.249311		9	7.875	8.319	7.763	7.703	8.001	7.535	7.547	8.217	8.742	8.431	8.579	8.351	8.406	8.280	8.034	7.774	7.965	7.583	7.591	7.836	7.931	7.812	7.858	7.634	
1428510	at	Lphn1	AA987131	Mm.260733		8	8.984	8.926	8.982	8.985	9.315	9.233	8.922	8.764	9.335	9.249	9.065	9.383	9.477	9.084	9.284	8.855	9.193	9.134	9.120	9.095	9.085	8.780	9.086	9.092	
1428511	at	Phk2	AK005277	Mm.274473		7	7.730	8.119	7.640	7.841	8.005	7.760	7.726	8.176	8.266	7.994	7.815	8.285	8.241	7.707	7.848	7.636	8.143	8.323	8.004	7.923	8.838	8.151	7.653	7.565	
1428512	at	Bhhb9	AK019277	Mm.440847	X	9	9.223	9.093	9.467	9.398	9.211	9.786	9.530	9.136	9.717	9.061	9.013	9.470	9.372	9.011	9.386	9.470	10.096	9.669	9.894	9.865	9.742	10.232	9.818	9.434	
1428513	at	Calcoo1	AK007393	Mm.71682		15	10.110	9.249	10.107	10.174	9.808	10.030	9.829	9.652	9.059	9.351	9.295	9.999	9.818	9.180	10.032	10.197	10.642	10.381	10.217	10.364	10.412	10.057	10.366	10.259	
1428514	at	Cpne3	BM213277	Mm.38390		4	7.640	8.189	7.750	7.742	7.856	7.767	7.816	7.834	8.136	8.045	7.859	7.898	7.920	7.793	7.975	7.829	7.719	7.758	7.830	7.976	7.766	7.714	7.639	7.698	
1428515	at	2410012H22Rik	AK010472	Mm.141150		11	7.849	7.558	7.701	7.760	7.840	7.820	7.743	7.726	7.314	7.457	7.532	7.691	7.319	7.430	7.477	7.725	8.376	8.225	8.092	7.824	8.287	8.154	7.781	7.881	
1428516	a	Alkbh7	BI903628	Mm.196150		17	10.303	10.310	10.218	10.299	9.938	10.160	10.288	10.470	9.770	9.743	9.949	9.902	9.581	9.685	9.683	10.063	10.936	10.842	10.379	10.496	10.600	10.539	9.910	9.989	
1428517	at	Wdfy3	AK012075	Mm.332522		5	9.187	9.646	9.340	9.343	9.563	9.501	9.344	9.343	9.353	9.637	9.677	9.419	9.533	9.474	9.520	9.515	9.317	9.338	9.409	9.280	9.203	9.271	9.514	9.312	9.473
1428518	at	Mifl1	BB667813	Mm.22108		8	6.765	7.095	6.599	6.649	6.848	6.695	6.873	6.803	6.977	6.862	6.793	6.590	6.733	6.966	6.808	6.714	6.572	6.586	6.873	6.471	6.572	6.758	6.637	6.729	
1428519	at	2610528E23Rik	AK019979	Mm.425976		16	10.955	9.991	10.740	10.904	10.213	10.700	10.858	10.523	8.375	8.813	10.319	9.918	9.585	9.186	10.068	10.721	11.270	11.142	10.859	11.004	11.046	11.006	10.442	10.819	
1428520	at	1110032A13Rik	AK004019	Mm.186936		18	9.904	10.126	9.855	10.141	10.166	9.983	9.993	10.146	10.079	9.774	9.873	9.959	9.936	9.736	9.816	9.819	10.491	10.366	10.272	10.091	10.198	10.335	9.913	9.863	
1428521	at	Thap3	AK008225	Mm.226820		4	7.466	7.474	7.560	7.776	7.705	7.619	7.635	7.573	7.580	7.500	7.214	7.755	7.684	7.325	7.375	7.599	7.705	7.862	7.777	7.635	7.748	7.711	7.585	7.512	
1428522	at	Tif2	BB283807	Mm.270961		3	8.342	9.452	8.357	8.510	8.830	8.719	8.651	8.812	9.096	9.020	8.926	8.718	8.872	9.326	8.718	8.872	8.534	8.303	8.496	8.636	8.339	8.377	8.437	8.438	8.438
1428523	at	Lphn3	B945410	Mm.273631		5	5.300	5.191	5.316	5.405	5.403	5.018	5.171	5.278	5.278	5.219	5.317	5.107	5.324	5.306	5.178	5.165	5.228	5.488	5.271	5.411	5.178	5.358	5.287	5.476	5.360
1428524	at	Cars2	AK009937	Mm.196576		8	9.227	9.025	9.200	9.172	8.769	9.157	9.238	8.947	8.710	8.756	8.862	8.867	8.713	8.795	8.898	9.193	9.366	9.348	9.212	9.241	9.385	9.382	9.086	9.248	
1428525	at	188B01Rik	BB351655	Mm.255485		7	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031	49.031
1428526	at	Lsdml1	AK018782	Mm.45683		8	10.207	10.126	9.902	10.076	10.374	10.105	10.187	10.816	10.472	10.021	10.085	10.490	10.347	9.786	9.985	9.886	11.159	10.567	10.065	10.167	11.009	11.009	11.009	10.105	9.986
1428527	at	Snx7	AK011015	Mm.33824		3	8.919	9.966	8.821	8.851	9.343	9.354	9.103	9.238	10.234	10.132	9.491	9.586	9.899	9.933	9.333	8.899	8.720	8.892	9.166	8.660	8.553	8.676	8.707	8.601	
1428528	at	1000419B2	BM124553	Mm.393306		5	10.326	10.525	10.202	10.423	10.514	10.479	10.221	10.305	10.281	10.262	10.351	10.440	10.389	10.177	10.288	10.281	10.746	10.787	10.691	10.603	10.466	10.142	10.295	10.292	
1428529	at	2810026P18Rik	AK012825	Mm.21798		9	8.471	9.144	8.302	8.160	8.766	8.389	8.304	8.630	9.523	9.255	9.113	8.813	8.964	8.887	9.478	8.225	8.421	8.289	8.717	8.201	8.474	8.643	8.632	8.668	
1428530	x	at	Rps24	AV206764	Mm.16775	14	10.202	10.455	9.842	10.092	10.203	10.107	10.118	10.869	10.713	10.239	10.226	10.476	10.465	10.144	10.059	9.799	10.767	10.487	10.009	9.886	10.659	10.944	9.805	9.747	
1428531	at	Ints7	BB457797	Mm.338175		1	7.235	9.886	8.499	8.481	8.673	8.859	8.610	8.367	8.510	8.612	8.341	8.256	8.400	8.849	8.463	8.846	8.247	8.909	9.251	9.021	8.420	8.803	8.241	8.572	
1428532	at	Ints7	BB457797	Mm.338175		1	7.177	7.638	7.350	7.475	7.483	7.406	7.425	7.403	7.448	7.463	7.497	7.336	7.327	7.548	7.443	7.316	7.153	7.353	7.458	7.594	7.372	7.221	7.389	7.360	
1428533	at	Sei2	D19100212e	Mm.289041		9	8.991	9.899	9.291	9.391	9.039	9.027	9.121	9.033	9.027	9.057	9.863	9.124	9.146	9.977	9.207	9.192	9.216	9.913	8.828	9.919	9.927	9.132	9.272		
1428534	at	Nrc2ap	AK010864	Mm.390045		8	8.992	9.566	8.554	8.723	9.182	9.002	8.853	8.967	9.072	8.954	9.899	8.852	8.847	9.961	8.854	8.682	8.810	9.010	9.180	8.769	8.665	8.330	8.453	8.404	
1428535	at	9430020K01Rik	AK004276	Mm.331719		18	9.945	9.855	10.173	10.160	10.247	10.000	9.797	10.419	10.208	10.344	10.298	10.485	10.381	10.080	10.713	10.141	9.996	9.867	9.647	9.855	10.481	10.681	10.739	10.783	
1428536	at	Kcnq4	AK015001	Mm.358699		8	6.722	6.621	6.874	6.813	6.600	6.627	6.704	6.589	6.581	6.495	6.688	6.468	6.557	6.723	6.672	6.741	6.744	6.568	6.629	7.014	6.695	6.623	6.725	6.674	
1428537	at	Kcnq1a	BI659446	Mm.26908		18	12.366	12.333	12.490	12.205	12.160	12.392	12.335	12.027	12.034	12.321	12.144	12.007	12.076	12.359	12.224	12.525	12.087	12.047	12.355	12.230	12.049	12.056	12.275	12.288	
1428538	s	at	Rarres2	BI328146	Mm.28231																										

1428588	a	at	Mrlp41	BF134369	Mm.23010	2	11.001	11.044	11.011	10.883	10.795	10.971	11.113	11.490	10.795	10.641	10.834	10.944	10.538	10.700	10.706	10.881	11.685	11.674	11.195	11.199	11.588	11.714	10.992	11.002	
1428589	at	Mrlp41	BF134369	Mm.23010	2	11.040	11.192	10.991	11.057	11.007	11.100	11.161	11.493	10.898	10.766	10.922	10.965	10.770	10.791	10.754	10.978	11.715	11.619	11.310	11.307	11.608	11.639	10.981	11.039		
1428590	at	Mrlp41	BF134369	Mm.23010	2	6.209	6.231	6.379	6.435	6.180	6.334	6.200	6.229	6.112	6.083	6.324	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466		
1428591	at	Mrlp41	BF134369	Mm.23010	2	6.977	7.023	6.981	6.868	7.002	7.033	6.972	7.032	6.988	7.078	6.835	6.924	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466	
1428592	s	at	Usp38	AV249297	Mm.29998	7	6.977	7.023	6.981	6.868	7.002	7.033	6.972	7.032	6.988	7.078	6.835	6.924	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466
1428593	s	at	Usp38	AV249297	Mm.29998	7	6.977	7.023	6.981	6.868	7.002	7.033	6.972	7.032	6.988	7.078	6.835	6.924	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466
1428593	s	at	Usp38	AV249297	Mm.29998	7	6.977	7.023	6.981	6.868	7.002	7.033	6.972	7.032	6.988	7.078	6.835	6.924	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466
1428593	s	at	Usp38	AV249297	Mm.29998	7	6.977	7.023	6.981	6.868	7.002	7.033	6.972	7.032	6.988	7.078	6.835	6.924	6.101	6.086	6.237	6.205	6.467	6.373	6.168	6.269	6.302	6.412	6.221	6.351	6.466
1428594	at	Garrn1	AK009111	Mm.292180	12	9.404	9.479	9.614	9.734	9.555	9.800	9.599	9.428	8.991	9.338	9.229	9.466	9.434	9.188	9.447	9.679	9.628	9.602	9.697	9.761	9.632	9.714	9.679	9.930		
1428595	at	Sbc6a19	AK014544	Mm.271635	13	4.661	4.856	4.670	4.587	4.688	4.530	4.655	4.736	4.837	4.676	5.125	4.451	4.473	4.571	4.729	4.745	4.801	4.677	4.686	4.529	4.840	4.729	4.682	4.582		
1428596	at	Tbc1d9b	AV332241	Mm.290975	11	10.425	10.581	10.275	10.416	10.718	10.142	10.270	10.641	10.755	10.673	10.351	10.816	10.747	10.723	10.440	10.233	10.747	10.756	10.415	10.336	10.594	10.716	10.275	10.226		
1428597	at	Tbc1d9b	AV332241	Mm.290975	11	8.287	8.256	8.173	8.348	8.256	8.128	8.048	8.306	8.256	8.246	8.089	8.168	8.340	8.181	8.192	8.252	8.362	8.421	8.291	8.300	8.396	8.525	8.117	8.276		
1428598	at	Tbc1d7	AK011356	Mm.269213	13	8.702	8.838	8.799	8.839	8.950	8.816	8.948	9.272	8.812	9.001	8.713	9.268	8.996	8.672	8.714	8.863	9.610	9.320	8.909	9.021	9.196	9.421	8.614	8.468		
1428599	at	Kncd1	AK010466	Mm.44442	7	4.566	4.535	4.688	4.747	4.681	4.648	4.677	5.020	5.039	4.505	5.045	4.651	4.927	4.672	4.630	4.822	4.654	4.933	4.755	4.745	4.867	4.716	4.614	4.961		
1428600	at	Nin	AK014241	Mm.244047	12	8.426	9.000	8.229	8.344	8.722	8.379	8.557	8.868	9.203	9.174	9.034	8.954	9.059	9.090	8.942	8.331	8.419	8.281	8.558	8.355	8.44	8.474	8.438	8.231		
1428601	at	Lr00003e16Rik	AK005628	Mm.17621	6	9.146	8.739	9.911	9.210	8.928	9.335	9.254	9.002	8.806	8.901	9.087	8.680	8.956	8.885	9.115	9.119	9.300	9.230	9.209	9.384	9.087	8.941	9.295	9.271		
1428602	at	Kcnj9	AK007011	Mm.261168	1	5.651	5.449	5.455	5.517	5.401	5.394	5.645	5.688	5.564	5.500	5.547	5.503	5.522	5.607	5.509	5.537	5.549	5.632	5.500	5.534	5.552	5.457	5.510	5.559		
1428603	at	LOC100036521	AK009885	Mm.458518	6	8.772	9.304	8.896	9.024	8.910	9.168	8.940	8.813	8.729	8.806	8.569	8.979	8.745	9.054	8.871	8.822	9.044	9.084	9.037	8.988	9.070	9.171	9.006	8.964		
1428604	at	C6c10305D13Rik	AK011986	Mm.422608	4	7.784	7.781	8.047	7.515	7.476	7.676	7.799	8.071	7.442	7.895	7.815	7.875	7.519	7.870	7.954	7.800	7.790	7.843	7.865	7.878	7.816	7.976	7.767	7.929		
1428605	at	Cdc124	AI227096	Mm.295791	8	9.932	10.301	9.847	9.867	9.810	9.822	9.920	9.954	10.341	10.097	9.857	10.068	9.873	9.896	9.757	9.671	10.403	10.367	10.061	9.858	10.137	10.135	9.765	9.722		
1428606	at	Cdc124	AI227096	Mm.295791	8	6.660	6.434	6.827	6.666	6.549	6.690	6.693	6.695	6.498	6.381	6.709	6.543	6.474	6.589	6.408	6.516	6.715	6.440	6.612	6.644	6.686	6.523	6.579	6.494		
1428607	at	Araf	AK010060	Mm.220946	X	6.488	6.329	6.628	6.505	6.613	6.270	6.734	6.303	6.189	6.607	6.007	6.741	6.242	6.552	6.577	6.494	6.396	6.499	6.270	6.146	6.912	6.827	6.659	6.649		
1428608	at	Mylc2b	AW494458	Mm.261329	17	10.366	10.709	10.273	10.478	10.549	10.546	10.592	11.200	11.074	10.749	10.761	11.278	11.161	10.786	10.825	10.339	10.723	10.619	10.411	10.335	10.768	11.067	10.229	10.283		
1428609	at	LOC100048581	AW494458	NA	16	5.592	5.449	5.640	5.674	5.875	5.727	5.377	5.573	5.648	5.630	5.748	5.756	5.948	5.656	5.772	5.403	5.476	5.650	5.784	5.712	5.419	5.646	5.690	5.742		
1428610	at	Ata7	AW549826	Mm.275332	6	7.273	7.239	7.175	7.139	7.464	7.198	7.241	7.381	7.770	7.235	7.247	7.331	7.360	7.255	7.082	6.967	7.517	7.280	7.281	7.275	7.392	7.586	7.187	6.909		
1428611	at	Ata7	AW549826	Mm.275332	6	8.493	8.534	8.572	8.669	8.521	8.481	8.412	8.424	8.508	8.433	8.442	8.614	8.570	8.605	8.416	8.645	8.466	8.491	8.552	8.559	8.530	8.382	8.483	8.436		
1428612	at	Ata7	AW549826	Mm.275332	6	9.020	8.932	8.936	8.918	9.062	8.936	8.899	8.520	9.151	9.175	8.869	8.898	9.046	9.217	8.963	8.941	8.740	8.937	8.954	8.974	8.864	8.749	8.854	8.897		
1428613	at	Ldh	AW105779	Mm.27589	8	8.817	8.255	9.129	8.900	8.552	8.806	8.821	8.502	8.172	8.808	8.401	8.530	8.557	8.204	8.583	9.062	9.176	9.226	8.918	9.058	9.108	8.854	9.045	8.894		
1428614	at	Usp579	Mm.27589	8	8.817	8.255	9.129	8.900	8.552	8.806	8.821	8.502	8.172	8.808	8.401	8.530	8.557	8.204	8.583	9.062	9.176	9.226	8.918	9.058	9.108	8.854	9.045	8.894			
1428615	at	P2r5	AK008952	Mm.265681	12	9.354	9.926	9.623	9.961	9.798	9.932	10.164	10.439	10.083	10.077	10.154	10.100	10.444	10.163	10.250	9.623	10.551	9.833	9.903	10.223	10.248	10.252	8.857	9.204		
1428616	at	Zfp131	BG075140	Mm.139115	13	9.192	9.525	9.404	9.427	9.318	9.461	9.362	9.239	9.164	9.179	9.919	9.268	9.060	9.204	9.260	9.363	8.942	9.295	9.224	9.941	9.285	9.460	9.528	9.642		
1428617	at	Hfc2	AK018461	Mm.127405	10	9.703	9.972	9.718	9.840	9.669	9.761	9.815	9.670	9.892	10.000	9.816	9.865	9.772	9.688	9.819	9.881	9.877	9.806	9.803	9.702	9.739	9.758	9.958	9.957		
1428618	at	AK018461	Mm.127405	10	6.992	7.021	6.968	6.704	7.267	7.066	6.714	7.144	7.680	7.630	7.458	7.171	7.200	7.315	7.647	6.930	7.280	7.042	7.280	7.094	7.158	7.357	7.066	7.666	7.498		
1428619	at	Z310005N03Rik	BB783243	Mm.86589	1	11.435	11.016	11.214	11.204	11.167	11.103	11.736	10.794	10.920	10.935	11.348	11.127	10.627	10.929	11.111	11.921	11.628	11.239	11.232	11.744	11.937	11.096	11.151	11.151		
1428620	at	Ensa	BF584204	Mm.241365	3	10.970	11.013	10.988	10.975	11.093	11.059	11.123	10.845	10.812	11.100	11.134	11.201	10.942	11.094	11.180	11.078	10.856	10.969	11.016	11.162	10.917	10.851	11.193	11.234		
1428621	a	at	Usp25	AK003715	Mm.301020	11	9.936	9.789	10.027	9.870	10.003	10.048	10.004	9.659	9.803	9.887	9.737	9.970	9.921	9.797	9.920	10.078	9.934	10.152	9.914	10.123	10.055	9.845	9.921	9.743	
1428622	at	Hsf2b	AK015553	Mm.214982	15	8.517	8.659	8.856	8.389	8.204	8.209	8.553	8.952	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824	8.824		
1428623	at	Pfnal1	AK011193	Mm.3789	6	8.144	8.530	8.225	8.293	8.424	8.324	8.366	8.524	8.792	8.607	8.513	8.676	8.533	8.457	8.219	8.131	8.628	8.573	8.439	8.051	8.373	8.356	8.219	8.232		
1428624	at	2810482107Rik	AK013434	Mm.475932	X	11.518	11.912	11.441	11.466	11.225	11.540	11.459	11.036	11.513	11.546	11.256	11.115	11.074	11.829	11.407	11.351	11.492	11.471	11.415	11.565	11.465	11.479	11.412	11.501		
1428625	a	at	Rym1	BM221034	Mm.85289	13	8.912	8.721	8.952	8.923	8.810	8.965	8.926	8.745	8.864	8.892	8.618	8.898	8.691	8.890	8.886	9.002	8.811	8.930	9.132	8.					

1428677	at	Wdr73	AK004708	Mm.274226	7	8.590	8.973	8.568	8.665	8.753	8.701	8.750	8.727	8.808	8.658	8.694	8.653	8.751	8.789	8.538	8.630	8.799	8.795	8.661	8.745	8.672	8.696	8.481	8.411	
1428678	s at	Wdr73	AK004708	Mm.274226	7	8.698	7.399	6.766	7.027	6.875	6.876	6.997	6.916	6.883	7.174	6.947	7.105	6.942	7.181	6.804	7.006	6.812	6.813	7.172	6.678	6.800	6.879	6.747	6.764	
1428679	s at	0610010K14Rik	AK003842	Mm.39265	11	6.960	7.579	6.912	6.935	6.964	7.012	6.958	7.492	6.943	6.765	6.832	7.254	7.006	6.943	6.808	6.388	7.793	7.646	7.265	7.216	7.616	7.850	6.943	6.842	
1428680	at	Cd51	AK014670	Mm.46764	5	6.656	6.829	6.498	6.113	6.476	6.423	6.630	6.457	6.132	6.448	6.250	6.257	5.952	6.102	6.241	6.526	6.097	6.240	6.293	6.274	6.738	5.981	6.225	6.187	
1428681	at	Gm108	AK017426	Mm.310706	16	9.343	9.480	9.456	9.474	9.481	9.469	9.351	9.893	9.266	9.444	9.374	9.582	9.380	9.218	9.328	9.588	9.057	9.343	9.324	9.246	9.155	9.233	9.466	9.445	
1428682	at	Zc3b6	AK019473	Mm.26377	2	6.095	6.245	6.057	6.007	5.902	6.394	6.076	5.969	5.245	5.948	5.079	5.458	5.578	7.702	5.808	6.212	6.637	6.542	6.669	6.789	6.047	6.115	6.050	5.827	
1428683	at	Fam173b	AK020868	Mm.119185	15	8.377	8.961	8.446	8.625	8.466	8.506	8.523	8.040	8.372	8.251	8.414	8.326	8.094	8.562	7.712	8.413	7.904	8.225	8.272	8.146	7.985	7.957	8.103	8.022	
1428684	at	1500012M20Rik	BG065846	Mm.24937	6	8.773	9.252	8.639	8.600	8.730	8.666	8.583	9.016	9.239	8.869	8.677	8.890	8.767	9.006	8.587	8.441	9.150	8.869	8.850	8.605	8.898	9.254	8.651	8.560	
1428685	at	Syce1	AK016694	Mm.46102	7	5.923	5.682	5.691	5.526	5.994	5.851	5.703	5.911	5.910	5.915	5.851	5.727	6.009	6.166	6.063	5.808	5.752	5.517	5.807	5.683	5.835	5.677	5.801	5.588	
1428686	at	Zf10029C07Rik	AK012841	Mm.26072	12	5.702	5.781	5.598	5.697	5.636	5.655	5.753	6.058	5.829	5.559	5.835	5.755	5.797	5.917	5.803	5.683	5.594	5.794	5.817	5.905	5.721	5.732	5.871	5.665	
1428687	at	28p687	BG962236	Mm.389478	3	7.985	7.856	8.030	8.056	8.044	8.053	8.133	8.190	8.074	7.947	8.105	7.635	7.931	7.997	7.896	7.960	8.035	8.063	8.211	8.091	8.232	8.254	8.069	7.866	8.009
1428688	at	Pcd11	AK003899	Mm.41166	19	8.255	8.807	8.369	8.477	8.354	8.447	8.373	8.266	8.224	8.285	8.619	8.327	8.188	8.474	8.188	8.206	8.407	8.352	8.289	8.326	8.161	8.206	8.497	8.534	
1428689	at	Tysnd1	BF466063	Mm.71514	10	9.057	9.471	9.286	9.305	9.274	9.186	9.071	9.085	9.265	9.356	9.047	9.322	9.126	9.236	9.230	9.224	9.232	9.364	9.344	9.413	9.393	9.150	9.156	9.068	
1428690	at	Tysnd1	BF466063	Mm.71514	10	8.467	8.216	8.351	8.435	8.255	8.398	8.331	8.489	8.215	8.177	8.400	8.148	8.242	8.211	8.191	8.437	8.367	8.375	8.388	8.480	8.412	8.367	8.476	8.326	
1428691	at	Chd2	BM206596	Mm.34539	7	9.864	9.640	9.828	9.775	9.629	9.875	9.630	9.684	9.506	9.601	9.409	9.832	9.763	9.700	9.755	9.742	10.086	10.225	10.110	10.171	9.775	9.983	9.754	9.968	
1428692	at	Hddc3	AW259452	Mm.21171	7	9.178	9.798	9.051	8.979	8.629	9.034	9.264	9.496	9.645	9.470	9.963	9.637	9.191	9.336	9.161	8.904	9.773	9.863	9.559	9.321	9.490	9.517	9.098	9.065	
1428693	at	2610044O15Rik	AK011776	Mm.426514	17	5.817	6.009	6.190	5.901	6.031	6.124	6.220	6.447	5.707	5.900	5.150	5.896	5.759	5.731	5.741	5.972	6.042	6.131	5.821	5.681	5.874	6.228	5.768	5.782	
1428694	at	5033413D16Rik	AK017164	Mm.34859	14	7.189	7.115	6.963	7.107	6.855	7.128	7.329	6.807	6.953	6.876	8.008	6.510	6.419	6.570	6.736	7.189	6.485	6.592	6.690	6.868	6.910	6.451	7.258	6.976	
1428695	at	Z310014G06Rik	BB424872	Mm.387102	14	10.572	10.393	10.600	10.592	10.436	10.669	10.627	10.375	9.735	9.962	10.409	10.274	10.112	10.088	10.230	10.573	10.770	10.149	10.886	10.841	10.739	10.344	10.470	10.611	
1428696	at	Rtn1	AK009372	Mm.41854	17	10.372	10.415	10.196	10.353	10.352	10.304	10.280	10.360	10.428	10.394	10.399	10.350	10.386	10.507	10.324	10.267	10.547	10.689	10.667	10.573	10.337	10.383	10.429	10.145	
1428697	at	Dnp8	BM939621	Mm.202749	9	8.890	8.593	9.137	8.825	8.746	9.072	8.980	8.517	8.760	9.038	8.786	8.591	8.933	9.045	8.864	9.107	8.443	8.329	8.804	8.898	8.437	8.501	8.967	8.907	
1428698	at	Dnp8	BM939621	Mm.202749	9	8.460	8.036	8.647	8.754	8.643	8.654	8.474	7.901	7.918	8.214	8.046	8.434	8.492	8.217	8.542	8.709	8.329	8.525	8.650	8.630	8.373	7.872	8.674	8.946	
1428699	at	Sms	AW744143	Mm.18652	X	6.932	6.400	6.899	6.699	6.868	6.774	6.833	6.666	6.478	6.757	6.565	6.592	6.665	6.534	6.762	6.974	6.626	6.690	6.811	6.769	6.673	6.463	6.667	7.033	
1428700	at	P2rv13	AK008013	Mm.90067	3	7.385	7.426	7.406	7.171	7.180	7.353	7.400	7.300	7.874	7.440	7.254	7.193	7.336	7.674	7.180	7.449	7.255	7.015	7.307	7.458	7.010	7.042	7.164	7.018	
1428701	at	P2rv14	AK004821	Mm.263411	1	5.261	5.008	5.275	5.161	5.128	4.992	5.069	5.062	5.303	4.991	5.317	5.153	5.097	5.019	4.835	5.061	5.089	5.201	5.219	5.143	5.305	5.061	5.170	5.107	
1428702	at	Ddx28	AK010396	Mm.307155	8	8.015	8.341	7.876	7.998	7.955	7.980	7.922	8.257	8.313	8.243	7.763	8.198	8.018	7.935	7.907	7.891	8.341	8.256	8.063	8.048	8.150	8.216	7.841	7.804	
1428703	at	142870012B07Rik	AK019785	Mm.46715	11	6.019	5.755	5.478	5.678	5.989	5.775	5.992	6.074	5.775	5.955	5.771	5.925	5.933	5.933	5.933	5.933	5.933	5.933	5.933	5.933	5.933	5.933	5.933	5.933	
1428704	at	Zf10029C07Rik	BB065039	Mm.46715	2	7.799	6.666	5.715	5.774	7.979	5.785	5.894	8.807	5.822	4.480	5.811	5.743	6.624	5.711	8.701	8.822	5.805	5.940	5.822	5.702	5.701	5.801	5.656	5.829	
1428705	at	1700007K13Rik	AK005731	Mm.46470	2	5.361	4.959	5.164	5.263	5.233	5.262	5.108	5.323	5.100	5.294	5.295	5.009	5.174	5.043	5.256	5.232	5.041	5.096	5.327	5.266	4.962	5.065	5.438	5.196	
1428706	at	Prr6	AK014046	Mm.390409	11	9.400	9.032	9.185	9.476	9.032	9.133	9.347	9.285	8.697	8.750	9.041	9.003	8.651	8.592	8.823	9.157	9.818	9.740	9.422	9.442	9.848	10.006	9.296	9.331	
1428707	at	Ptms	AK011360	Mm.142187	6	11.296	11.320	11.012	11.097	11.389	11.190	11.101	11.380	11.662	11.543	11.359	11.540	11.475	11.417	11.467	11.108	11.140	11.130	11.201	11.103	11.141	11.133	11.033	11.141	
1428708	x at	Ptms	AK011360	Mm.142187	6	11.377	11.621	11.165	11.229	11.559	11.333	11.247	11.596	11.104	11.779	11.593	11.861	11.719	11.640	11.724	11.305	11.349	11.301	11.320	11.227	11.302	11.160	11.261	11.145	
1428709	a at	Mrl24	AK008961	Mm.393802	3	11.349	11.697	11.446	11.517	11.483	11.481	11.484	11.584	11.511	11.414	11.438	11.604	11.522	11.425	11.377	11.458	11.775	11.832	11.641	11.495	11.735	11.628	11.315	11.421	
1428710	at	Rtn1	AK018785	Mm.4009	3	9.145	9.087	8.911	9.648	9.621	9.677	9.136	9.176	9.034	9.183	8.824	9.449	9.312	9.317	9.515	9.066	9.945	9.524	9.606	9.461	9.693	9.794	9.449	9.338	
1428711	at	Mon1b	AK019572	Mm.46299	7	6.221	6.256	6.785	6.373	6.732	6.529	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	6.283	6.498	
1428712	at	Mon1b	AK017167	Mm.74689	8	6.385	6.548	6.373	6.297	6.503	6.224	6.314	6.277	6.523	6.760	6.239	6.661	6.531	6.500	6.417	6.469	6.300	6.377	6.292	6.343	6.233	6.329	6.169	6.544	
1428713	s at	Gins2	AW488914	Mm.275910	8	7.627	7.956	7.391	7.693	7.800	7.519	7.676	7.804	8.417	7.781	7.705	7.489	7.587	8.252	7.464	7.544	7.447	7.454	7.286	7.298	7.549	7.522	7.368	7.390	
1428714	at	Pqrmc2	BF322962	Mm.40321	3	10.083	10.643	10.262	10.290	10.495	10.385	10.148	10.304	10.729	10.821	10.272	10.659	10.730	10.622	10.432	10.341	10.316	10.240	10.300	10.191	10.220	10.366	10.264	10.182	
1428715	at	2810423A18Rik	AK013141	Mm.19893	6	9.401	10.235	9.325	9.315	9.628	9.532	9.482	9.462	10.205	10.136	9.774	9.694	9.787	10.055	9.512	9.330	9.483	9.476	9.327	9.121	9.558	9.659	9.467	9.268	
1428716	at	Pex1	BG076082	Mm.379196	5	8.864	8.621	8.716	8.793	8.795	8.762	8.822	8.865	8.532	8.576	8.454	8.840	8.789	8.512	8.714	8.878	8.089	9.014	8.785	8.975	8.894	9.118	8.421	8.777	
1428717	at	Scn1	AW490544																											

1428766	at	Rnmt1t	AK017739	Mm.24886	11	9.258	9.312	9.353	9.294	9.961	9.395	9.420	9.173	8.773	8.977	9.123	9.104	8.785	9.173	9.077	9.393	9.031	9.378	9.359	9.422	9.183	9.034	9.320	9.460
1428767	at	Gsdmd	AK007710	Mm.27385	15	8.090	8.699	8.157	8.212	8.316	8.217	8.210	8.306	8.565	8.297	8.928	8.412	8.295	8.680	8.191	8.238	8.209	8.070	8.040	7.854	8.314	8.176	7.932	8.089
1428768	at	Pan3	AK012409	Mm.320469	5	8.720	8.650	8.773	8.863	8.829	8.550	8.821	8.185	8.324	8.789	8.658	8.575	9.035	8.956	9.064	8.894	8.080	8.060	8.758	8.287	8.302	8.613	9.074	9.062
1428769	at	Tatdn3	AK005193	Mm.237188	1	7.859	7.985	8.137	7.970	7.982	8.188	8.009	7.802	7.960	7.897	7.648	8.093	7.909	7.776	7.827	8.029	8.145	8.373	8.150	8.131	7.900	7.963	7.735	7.823
1428770	at	Dp2a	BB794757	Mm.231183	10	8.681	8.387	8.363	8.549	8.492	8.416	8.536	8.514	8.352	8.285	8.415	8.242	8.354	8.419	8.425	8.490	8.436	8.277	8.506	8.430	8.390	8.426	8.463	8.461
1428771	at	2410127E18RIk	BB487410	Mm.277308	6	6.342	7.335	6.309	5.908	6.012	6.077	6.253	6.460	6.903	6.592	6.655	6.130	5.770	6.792	6.067	6.794	6.111	6.028	6.107	5.720	5.777	6.177	6.356	
1428772	at	Xp0t	AK003432	Mm.25042	10	8.630	9.256	8.752	8.744	9.082	8.808	8.858	8.860	9.154	9.060	9.032	9.047	9.085	9.181	8.781	8.835	8.811	8.887	8.789	8.726	8.658	8.722	8.557	8.573
1428773	s at	Bcor	AK018370	Mm.196328	X	8.317	8.110	8.312	8.317	8.203	8.231	8.375	8.357	8.414	8.521	8.874	8.436	8.417	8.259	8.600	8.377	8.299	8.420	8.287	8.091	8.313	8.224	8.411	8.641
1428774	at	Gpc6	AK020118	Mm.440025	14	8.065	8.451	8.191	8.140	9.256	8.587	8.260	8.740	9.454	9.497	8.736	9.224	9.497	8.698	9.214	8.149	8.095	7.983	8.188	8.193	8.263	8.340	8.367	8.303
1428775	at	1110008L16RIk	AK003589	Mm.383213	12	7.962	8.230	8.462	8.231	8.177	8.266	8.285	7.951	8.025	8.068	7.909	8.044	7.980	8.170	8.115	8.259	8.348	8.247	8.449	8.236	8.090	8.165	8.357	8.315
1428776	at	Sllc10a6	AV244484	Mm.7446	5	9.654	8.550	9.243	8.859	8.798	9.016	8.418	8.069	8.244	8.228	8.622	8.015	8.188	8.274	8.500	9.391	8.094	7.968	8.447	8.472	8.400	8.380	9.588	9.394
1428777	at	Spred1	AK017680	Mm.245890	2	6.341	6.600	6.516	6.190	6.577	6.497	6.316	6.361	6.612	6.922	6.790	6.756	6.755	6.614	6.638	6.262	6.318	6.433	6.120	6.326	6.425	6.297	6.580	6.687
1428778	at	Sfl1	AK019095	Mm.320785	11	7.159	7.084	7.207	7.162	7.409	6.912	7.063	6.687	6.776	6.775	6.679	7.051	7.160	6.751	6.872	7.229	7.049	7.219	7.145	7.308	6.933	7.162	7.276	7.113
1428779	at	Zbta41	BB526541	Mm.119711	1	10.529	10.266	10.662	10.452	10.490	10.551	10.412	10.010	10.170	10.495	10.444	10.457	10.425	10.407	10.575	10.670	10.237	10.394	10.497	10.528	10.505	10.493	10.673	10.686
1428780	at	Tha1	AK005036	Mm.3200	11	7.474	7.218	7.707	7.847	7.505	7.659	7.639	7.553	7.355	7.302	7.483	7.493	7.365	7.238	7.683	7.678	8.371	8.249	7.981	7.954	8.325	8.442	7.901	8.013
1428781	at	Dmkn	BI452905	Mm.30138	7	5.507	5.112	5.228	4.966	5.070	6.148	5.298	5.262	5.461	5.233	5.727	5.023	5.036	5.370	5.125	5.002	5.115	5.114	4.999	5.129	5.129	4.970	5.243	5.179
1428782	a at	Uqcrc1	AK004031	Mm.335460	9	13.538	13.224	13.447	13.676	13.382	13.456	13.313	13.462	12.868	13.078	13.454	13.394	13.120	13.005	13.343	13.451	13.812	13.810	13.647	13.821	13.792	13.706	13.583	13.583
1428783	at	Pkrar2a	AK004336	Mm.253102	9	10.656	10.858	10.613	10.708	10.839	10.683	10.682	10.536	10.531	10.437	10.586	10.634	10.460	10.926	10.246	10.687	10.582	10.567	10.555	10.476	10.350	10.457	10.370	10.535
1428784	at	Gmp1	BB474868	Mm.324305	8	7.284	7.816	7.076	7.329	7.408	7.364	7.130	7.182	7.879	7.774	7.571	7.519	7.708	7.409	7.286	7.255	7.120	7.238	7.187	6.979	7.259	7.214	7.099	7.092
1428785	at	Amot1t	BG917015	Mm.159552	9	10.334	10.410	10.399	10.380	10.627	10.179	10.070	10.333	10.544	10.588	10.576	10.652	10.594	10.377	10.513	10.375	10.314	10.388	10.273	10.164	10.202	10.390	10.326	10.262
1428786	at	Nckap1	BM238906	Mm.30805	15	8.035	8.893	8.060	8.196	8.493	8.331	8.301	8.146	8.844	8.772	8.306	8.349	8.457	8.993	8.197	8.076	7.797	7.683	8.004	7.882	7.846	7.897	7.959	7.963
1428787	at	Nckap1	BM238906	Mm.30805	15	7.284	8.548	7.184	7.350	7.784	7.229	7.308	7.327	8.513	7.978	7.411	7.534	7.694	8.585	7.371	7.145	6.795	6.878	7.210	7.012	7.057	6.983	7.172	7.172
1428788	at	Ja2	W5425905	Mm.28541	12	10.200	10.643	10.109	10.380	10.362	10.272	10.186	10.413	10.320	10.405	10.204	10.378	10.206	10.248	10.255	10.191	10.663	10.591	10.643	10.468	10.385	10.355	10.230	10.446
1428789	at	Ralaps2	AK008856	Mm.28376	1	8.250	8.522	8.283	8.480	8.515	8.762	8.651	8.262	8.490	8.527	7.970	8.532	8.381	8.317	8.402	8.388	8.982	8.620	8.820	8.766	8.597	8.849	8.529	8.670
1428790	at	Nfam1	AV231045	Mm.32584	15	7.555	7.524	7.336	7.587	7.787	7.314	7.367	7.409	7.569	7.465	7.513	7.505	7.502	7.614	7.319	7.489	7.749	7.614	7.506	7.324	7.389	7.409	7.738	7.449
1428791	at	Ube2h	BB183512	Mm.332967	6	10.365	10.207	10.344	10.634	10.759	10.502	10.233	10.118	10.355	10.511	10.155	10.731	10.697	10.057	10.457	10.556	10.509	10.455	10.520	10.453	10.455	10.411	10.292	10.761
1428792	at	Ube2h	BM200572	Mm.240950	2	7.047	6.827	6.622	6.636	6.989	6.826	6.885	6.856	6.852	6.935	6.846	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866	6.866
1428793	at	Slc36a1	AK017918	Mm.65777	11	7.608	8.577	7.161	8.426	8.112	7.892	7.924	7.856	8.003	8.277	8.170	8.334	7.980	7.908	7.961	8.077	7.996	7.996	7.996	7.996	7.996	7.996	7.996	7.996
1428794	at	Specp1	BQ175052	Mm.458025	11	7.700	7.771	7.622	7.604	7.776	7.674	7.607	7.754	8.212	8.159	7.842	7.732	8.010	8.023	7.585	7.640	7.537	7.579	7.541	7.742	7.504	7.475	7.363	7.262
1428795	at	1110021L09RIk	BB761729	Mm.294271	10	7.775	8.147	7.899	7.939	7.988	8.162	8.082	7.901	8.319	8.361	7.784	8.320	8.386	8.017	7.875	7.983	8.165	8.087	7.951	7.994	8.001	8.058	7.747	7.732
1428796	at	5530401J07RIk	AK017436	Mm.392614	16	8.649	8.571	8.543	8.493	8.694	8.713	8.906	7.987	8.444	8.595	8.142	8.683	8.634	8.377	8.601	8.571	8.221	8.304	8.503	8.662	8.154	7.918	8.583	8.465
1428797	at	Setd6	AK010304	Mm.261321	8	9.664	8.906	9.560	9.639	9.502	9.626	9.636	9.338	9.369	9.356	9.136	9.435	9.262	9.416	9.295	9.366	9.871	9.937	9.982	9.603	9.746	9.847	9.637	9.699
1428798	s at	Setd6	AK010304	Mm.261321	8	8.901	9.184	8.704	8.949	8.995	8.909	9.004	8.691	8.788	8.762	8.648	8.949	8.772	8.774	8.653	8.796	9.254	9.240	9.178	9.917	9.025	9.162	8.864	9.015
1428799	at	Lca5	AK017509	Mm.199698	9	6.001	6.297	6.082	6.379	6.361	6.319	6.291	6.623	6.639	6.507	6.221	6.561	6.575	6.480	6.392	6.607	6.136	6.196	6.388	6.031	6.410	6.532	6.243	6.112
1428800	at	Snu24	BB815011	Mm.32414	18	9.258	9.239	9.332	9.539	9.736	9.219	9.753	9.823	9.064	8.753	9.398	8.923	8.920	9.437	8.593	7.957	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987
1428801	at	Maat3	BB283751	Mm.299693	15	7.243	7.016	7.418	7.439	7.282	7.334	7.290	7.318	7.332	7.228	7.747	7.504	7.513	7.295	7.195	7.214	7.471	7.390	7.361	7.512	7.292	7.298	7.237	7.270
1428802	at	Maat3	BB283751	Mm.299693	15	5.567	5.442	5.478	5.374	5.275	5.446	5.501	5.499	5.360	5.403	5.515	5.201	5.279	5.431	5.485	5.453	5.413	5.348	5.493	5.504	5.327	5.480	5.230	5.452
1428803	at	Acot6	AK014558	Mm.49245	12	7.686	7.685	7.560	7.684	7.547	7.593	7.654	7.680	7.983	7.669	7.616	7.637	7.782	7.837	7.360	7.563	7.766	7.686	7.716	7.848	7.692	7.513	7.651	7.668
1428804	at	Mfap3l	AK017269	Mm.23242	8	7.807	7.735	7.709	8.115	8.629	8.230	8.314	8.183	8.040	8.333	7.617	7.905	7.874	7.387	8.282	7.611	8.667	8.468	8.386	8.379	8.430	8.906	8.162	8.684
1428805	at	Slc36a5	AI854658	Mm.256753	10	8.497	8.664	8.695	8.502	8.763	9.005	8.796	8.276	8.326	8.672	8.454	8.616	8.583	8.702	8.708	8.690	8.380	8.634	8.801	8.748	8.873	8.355	8.817	8.605
1428806	at	Csnk1a1	AK018639	Mm.325816	9	7.868	8.287	8.115	7.90																				

1428855	at	H13	AK013891	Mm.277327	2	5.644	5.438	5.323	5.412	5.426	5.254	5.500	5.469	5.548	5.352	5.417	5.442	5.452	5.413	5.307	5.264	5.445	5.370	5.454	5.414	5.391	5.574	5.424	5.547	
1428856	at	H13	AK013891	Mm.277327	2	5.577	5.312	5.548	5.733	5.465	5.646	5.603	5.537	5.433	5.452	5.519	5.486	5.526	5.542	5.642	5.593	5.582	5.572	5.600	5.575	5.690	5.562	5.617	5.504	
1428857	at	Snp130	AK011978	Mm.194538	18	8.149	8.457	8.062	8.193	8.193	8.236	8.250	8.296	8.143	8.298	8.061	8.264	8.233	8.229	8.110	8.105	8.479	8.415	8.329	8.111	8.362	8.447	8.082	7.814	
1428858	at	Wdr70	AK014750	Mm.321312	15	8.097	8.638	8.083	8.085	8.225	8.227	8.335	8.663	8.323	8.208	8.204	8.294	8.145	8.219	8.033	8.254	8.479	8.228	8.042	7.989	8.506	8.613	8.194	8.196	
1428859	at	Pexa1	AK014479	Mm.44187	7	7.140	8.037	7.308	7.327	7.652	7.227	7.283	7.595	8.251	7.999	7.384	7.885	7.983	7.710	7.491	7.375	7.714	7.298	7.555	6.955	7.289	7.097	7.183		
1428860	at	4935072J05RIK	AK019809	Mm.268603	15	6.901	6.736	6.740	6.877	6.812	6.792	6.870	6.703	6.695	6.757	6.709	6.612	6.534	6.757	6.913	6.798	6.945	6.868	6.897	6.834	6.760	6.675	6.911	6.972	
1428861	at	4631422005RIK	AK019472	Mm.328360	16	9.936	10.688	9.730	9.825	10.249	9.752	9.986	10.082	11.104	11.347	11.047	11.114	10.352	10.405	10.725	10.479	9.997	9.466	9.559	9.694	9.387	9.751	9.889	9.992	9.947
1428862	at	Ttclt1	AK018641	Mm.248504	2	8.391	8.174	8.274	8.327	8.192	8.178	8.312	8.036	7.964	8.207	7.967	8.313	8.194	7.956	7.852	8.371	8.310	8.170	8.152	8.117	8.370	8.712	8.378	8.594	
1428863	at	Ankrd39	AK018681	Mm.247537	1	7.466	7.870	6.876	7.090	7.344	6.768	7.012	7.846	7.916	7.694	7.400	7.803	7.490	7.316	7.181	7.261	7.583	7.477	7.810	6.917	7.493	7.331	6.961	6.928	
1428864	at	5530400B01RIK	AK017419	Mm.39725	7	10.755	10.462	10.679	10.427	10.384	10.401	10.514	10.466	10.365	10.439	10.949	10.340	10.295	10.350	10.675	10.721	10.102	10.138	10.041	10.499	10.641	10.510	10.667	11.099	
1428865	at	Bcl2l12	AK017362	Mm.261006	7	8.199	8.121	8.092	8.252	8.053	8.091	8.241	8.144	7.990	7.849	7.892	7.931	8.044	8.027	7.771	8.194	8.268	8.155	8.143	8.260	8.240	8.046	8.068	7.981	
1428866	at	2810037O22RIK	AU067779	Mm.344009	14	5.484	5.393	5.331	5.455	5.512	5.338	5.431	5.651	5.620	5.360	5.542	5.338	5.457	5.569	5.448	5.231	5.486	5.458	5.423	5.394	5.466	5.265	5.538	5.496	
1428867	at	Exoc3l2	AK016842	Mm.410509	7	5.561	6.079	5.453	5.444	5.810	5.623	5.572	5.810	5.989	6.026	5.406	6.041	5.998	5.753	5.664	5.488	5.480	5.587	5.209	5.514	5.638	5.685	5.758	5.406	
1428868	a	Oar1	BG094492	Mm.398119	10	13.217	13.301	13.320	13.429	13.174	13.542	13.392	12.684	12.766	13.003	12.649	13.044	12.947	13.300	13.256	13.314	13.085	13.377	13.491	13.523	13.048	12.900	13.307	13.307	
1428869	at	Nolc1	BM213850	Mm.402190	19	7.963	8.852	7.845	7.952	7.879	7.792	7.942	8.564	8.167	8.002	8.964	8.406	8.087	8.474	7.867	7.816	8.325	8.016	7.571	7.420	8.213	8.064	7.881	7.670	
1428870	at	Nolc1	BM213850	Mm.402190	19	6.887	6.859	6.926	6.922	6.847	6.936	6.592	6.525	6.475	6.769	7.234	6.702	6.510	6.825	6.876	6.925	7.200	7.475	7.242	7.356	7.115	7.407	7.391	7.542	
1428871	at	4121402D02RIK	AW495537	Mm.258352	11	10.021	9.770	10.068	10.143	10.087	10.123	10.042	9.781	9.964	10.012	9.935	9.994	9.983	9.967	10.195	10.114	9.825	10.145	10.196	10.235	10.267	10.027	10.314	10.182	
1428872	at	4121402D02RIK	AW495537	Mm.258352	11	9.227	9.455	9.475	9.616	9.578	9.603	9.489	9.313	9.239	9.655	9.901	9.550	9.589	9.200	9.568	9.450	9.409	9.446	9.519	9.454	9.378	9.504	9.697	9.541	
1428873	a	4121402D02RIK	AW495537	Mm.258352	11	7.621	8.059	7.791	7.839	7.985	7.611	7.812	8.001	8.429	8.321	8.195	8.304	8.164	8.172	8.103	7.853	8.126	7.760	7.764	7.705	7.974	8.394	7.922	8.393	
1428874	at	1110019N10RIK	BF535957	Mm.279	8	11.889	12.781	11.629	11.551	11.932	11.623	11.763	12.155	12.816	12.392	12.124	12.225	12.132	12.474	11.564	11.697	11.962	12.140	11.818	11.623	11.783	11.776	11.456	11.338	
1428875	at	Golim4	BE981485	Mm.249232	3	9.572	10.175	9.885	9.882	10.359	10.302	9.982	10.169	10.329	10.584	10.046	10.341	10.364	10.109	10.394	9.792	9.874	10.141	10.143	10.038	9.982	9.897	9.914	10.008	
1428876	at	Srp72	BM942773	Mm.269676	5	10.839	10.884	10.779	10.677	10.742	10.994	10.793	10.507	10.738	10.844	10.866	10.771	10.767	11.050	10.933	10.874	10.573	10.475	10.869	10.927	10.650	10.733	10.969	11.049	
1428877	at	Srp72	BM942773	Mm.269676	5	9.333	9.822	9.249	9.319	9.472	9.455	9.184	9.552	9.695	9.516	9.949	9.673	9.662	9.551	9.454	9.231	9.691	9.482	9.431	9.365	9.450	9.594	9.314	9.266	
1428878	a	Pitnc1	AI595920	Mm.397413	11	9.459	8.815	9.460	9.557	9.139	9.426	9.311	9.019	8.578	8.568	9.028	9.067	8.823	8.684	9.031	9.410	9.566	9.622	9.371	9.607	9.520	9.188	9.399	9.397	
1428879	at	Pitnc1	AI595920	Mm.397413	11	7.141	6.780	7.139	7.245	6.943	6.743	7.132	7.159	6.823	6.773	6.841	7.179	7.005	6.917	6.991	7.148	7.326	7.161	7.174	7.121	7.274	7.359	7.054	7.151	7.297
1428880	at	W610038F07RIK	AV078077	Mm.180063	19	8.276	10.233	10.285	10.200	10.338	10.245	10.392	10.418	10.040	10.100	10.274	10.369	10.116	10.333	10.205	10.282	10.642	10.665	10.429	10.585	10.507	10.537	10.285	10.323	
1428881	at	Ono1	BM213850	Mm.402190	12	10.615	10.601	10.462	10.510	10.627	10.422	10.472	10.593	10.861	10.108	10.543	10.284	10.717	10.716	10.413	10.353	10.552	10.284	10.582	10.289	10.504	10.293	10.537	10.847	
1428882	at	Wp1010881	AK010881	Mm.8236	8	8.593	8.245	8.238	8.236	8.216	8.212	8.222	8.301	8.574	8.410	8.197	8.304	8.174	8.331	8.107	8.274	8.581	8.961	8.207	8.687	8.275	8.333	8.447		
1428883	at	Tmem57	AK003528	Mm.99793	4	9.335	9.242	9.439	9.378	9.380	9.451	9.100	8.756	9.322	9.457	9.218	9.371	9.345	9.311	9.458	9.333	8.886	8.858	8.741	9.981	9.190	9.324	9.226	9.307	
1428884	at	Tmem57	AK003528	Mm.99793	4	9.698	9.480	9.831	9.696	9.738	9.790	9.568	9.590	9.438	9.474	9.616	9.740	9.627	9.518	9.681	9.775	9.683	9.454	9.378	9.381	9.796	9.958	9.643	9.702	
1428885	at	Afbm1d	AK004030	Mm.273958	11	6.702	6.492	6.596	6.610	6.593	6.617	6.455	6.572	6.776	6.618	6.452	6.629	6.557	6.380	6.516	6.581	6.801	6.484	6.635	6.610	6.773	6.633	6.673	6.556	
1428886	at	Rbbp5	AK016773	Mm.132868	1	9.523	9.459	9.477	9.641	9.417	9.527	9.491	9.373	9.291	9.408	9.184	9.298	9.247	9.507	9.236	9.459	9.655	9.648	9.661	9.661	9.501	9.533	9.902	9.615	
1428887	at	Zfp157	AK011480	Mm.26263	5	4.535	4.353	4.654	4.736	4.369	4.673	4.545	4.532	4.456	4.521	4.591	4.490	4.391	4.510	4.646	4.675	4.773	4.663	4.882	4.841	4.568	4.452	4.509	4.561	
1428888	at	Tmem33	AW495283	Mm.23217	5	5.137	4.729	5.145	4.859	4.771	5.007	4.902	4.918	4.841	4.820	4.826	4.951	4.640	4.922	4.915	5.013	4.664	4.888	4.911	4.925	4.778	4.904	5.195	4.354	
1428889	at	Tmem33	AW495283	Mm.23217	5	10.377	10.439	10.357	10.339	10.299	10.411	10.385	10.472	10.300	10.398	10.299	10.390	10.233	10.194	10.062	10.282	10.550	10.540	10.382	10.534	10.249	10.510	10.249	10.255	
1428890	at	Fem1c	AK011987	Mm.38249	18	10.168	10.130	10.220	9.892	10.083	10.075	9.995	10.138	9.926	10.157	10.266	10.154	10.119	10.003	10.193	10.186	9.879	9.846	9.913	9.906	10.010	10.141	10.080	10.189	
1428891	at	9130213B05RIK	AK008716	Mm.5002	5	10.973	11.580	10.468	11.207	11.088	11.342	11.080	11.049	11.884	11.951	11.439	11.634	12.023	11.496	11.536	11.021	11.335	11.067	11.185	11.139	11.033	10.933	10.859	10.859	
1428892	at	Ppil1	AK004331	Mm.328928	17	8.706	8.948	9.177	9.262	8.463	9.415	8.991	8.386	8.267	8.383	8.058	8.381	8.135	8.694	8.293	8.953	9.492	9.368	9.476	9.517	9.139	9.033	8.957	9.387	
1428893	at	Osnb1	BB768954	Mm.190450	11	8.261	8.437	8.323	8.406	8.462	8.285	8.257	8.397	8.581	8.457	8.408	8.485	8.420	8.472	8.254	8.102	8.532	8.437	8.553	8.415	8.441	8.458	8.441	8.284	
1428894	at	1300018J18RIK	AK005048	Mm.44763	15	8.279	8.154	8.260	8.206	8.019	8.172	8.119	8.229	8.060	8.061	8.067	8.148	7.946	8.059	8.110	8.215									

1428944	at	Uba6	BB417360	Mm.34012	5	8.519	9.026	8.476	8.375	8.460	8.758	8.918	8.274	8.540	8.912	8.565	8.344	8.713	9.194	8.558	8.609	8.241	8.132	8.780	8.697	8.261	7.988	8.578	8.485	
1428945	at	Uba6	BB417360	Mm.34012	5	9.051	9.377	8.876	8.855	9.097	9.035	8.971	8.823	9.260	9.267	9.172	8.864	9.038	9.282	8.960	8.886	8.841	8.847	9.075	8.861	8.841	8.897	9.033	8.771	
1428946	at	Uba6	BB417360	Mm.34012	5	7.565	7.821	7.665	7.656	7.924	7.761	8.041	7.560	7.685	7.867	7.809	7.802	7.880	8.114	7.572	7.786	7.703	7.499	7.815	7.721	7.766	7.595	7.744	7.583	
1428947	at	2010001M09Rik	AK008016	Mm.27252	18	7.484	7.125	7.487	7.329	7.326	7.385	7.420	7.341	7.127	7.131	7.374	7.175	7.114	7.346	7.398	7.510	7.463	7.541	7.339	7.580	7.571	7.177	7.473	7.520	
1428948	at	5730414M22Rik	BB562741	Mm.458374	14	8.578	4.498	4.502	4.367	4.693	4.889	4.608	4.394	4.815	4.868	4.514	4.895	5.002	4.587	4.743	4.445	4.375	4.569	4.400	4.738	4.481	4.530	4.487		
1428949	at	AK014235	Mm.2504235	10	10.660	10.937	10.741	10.691	10.671	10.603	10.715	10.559	10.674	10.700	10.590	10.682	10.603	10.840	10.569	10.734	10.543	10.550	10.620	10.501	10.592	10.544	10.646	10.655		
1428950	s	at	NoI8	AK017551	Mm.258915	13	8.359	8.269	8.343	8.291	8.424	8.210	8.394	8.617	7.973	8.117	8.536	8.400	8.121	8.286	8.168	8.342	8.591	8.372	8.080	8.007	8.660	8.768	8.407	
1428951	at	NoI8	AK017551	Mm.258915	13	8.192	8.209	8.177	8.253	8.213	8.076	8.148	8.387	8.016	8.224	8.487	8.488	8.237	8.074	8.181	8.104	8.368	8.240	8.211	8.199	8.172	8.590	8.171	8.255	
1428952	at	Pdia2	AK007743	Mm.32631	17	6.355	6.114	6.359	6.312	6.154	6.073	6.177	6.272	6.200	5.979	6.133	6.186	6.054	5.915	6.022	6.135	6.084	6.264	6.046	6.105	6.139	6.068	6.120	6.252	
1428953	at	Otdud7b	AK015501	Mm.272336	3	8.970	8.684	8.921	8.750	8.801	8.794	8.812	8.348	8.570	8.914	8.724	8.921	8.780	8.880	9.095	9.083	8.540	8.674	8.861	8.992	8.562	8.827	8.890	8.942	
1428954	at	Slc9a3r2	AK004710	Mm.21587	17	9.593	9.167	9.564	9.484	9.319	9.274	9.200	10.065	9.146	9.205	9.698	9.826	9.530	9.059	9.556	9.410	9.517	9.651	8.981	9.122	10.076	10.132	9.902	9.607	
1428955	x	at	Slc9a3r2	AK004710	Mm.21587	17	9.788	9.456	9.871	9.734	9.655	9.646	9.615	10.203	9.248	9.473	9.996	10.040	9.786	9.420	9.875	9.805	9.762	9.997	9.269	9.550	10.270	10.285	10.178	
1428956	at	Tmem177	BI133227	Mm.49942	1	7.464	7.507	7.634	7.560	7.146	7.644	7.328	7.248	6.866	7.109	6.971	7.166	7.073	7.174	6.956	7.501	7.811	7.530	7.649	7.678	7.744	7.712	7.644		
1428957	at	Tmem177	BI133227	Mm.49942	1	7.739	7.816	7.839	7.772	6.663	7.784	7.826	7.531	7.474	7.687	7.547	7.612	7.514	7.669	7.554	7.585	7.895	7.814	7.897	7.858	7.914	7.849	7.744	7.759	
1428958	at	Paa8r	AV265674	Mm.40780	1	6.855	6.710	6.949	6.909	7.021	6.950	7.149	7.107	6.999	7.089	7.961	6.967	7.077	7.146	7.354	6.932	7.105	6.792	7.038	7.189	6.855	6.937	7.087	7.011	
1428959	at	5830405N20Rik	AK017900	Mm.131264	10	4.716	4.475	4.645	4.601	4.490	4.465	4.609	4.621	4.420	4.460	4.436	4.544	4.480	4.562	4.635	4.617	4.657	4.494	4.445	4.704	4.701	4.678	4.644	4.525	
1428960	at	4933434I06Rik	AK017056	Mm.27658	2	5.480	5.632	5.693	5.342	5.521	5.414	5.241	5.703	6.003	6.169	5.735	5.881	5.757	5.494	5.469	5.600	5.483	5.293	5.206	5.262	5.204	5.531	5.398	5.508	
1428961	a	at	Sfrs16	AK003261	Mm.20913	7	9.405	9.354	9.442	9.456	9.390	9.437	9.318	9.448	9.294	9.342	9.144	9.444	9.405	9.304	9.235	9.376	9.738	9.650	9.272	9.468	9.421	9.703	9.404	
1428962	at	1700013F07Rik	AK005946	Mm.271255	3	6.457	6.291	6.491	6.559	6.469	6.558	6.568	6.467	6.527	6.496	6.686	6.394	6.578	6.514	6.726	6.513	6.592	6.684	6.610	6.847	6.465	6.623	6.674	6.566	
1428963	at	Rwdid2a	AK006533	Mm.272517	9	6.761	6.776	6.623	6.678	6.562	6.714	6.722	6.747	6.626	6.577	6.638	6.672	6.704	6.687	6.709	6.623	6.760	6.752	6.724	6.944	6.699	6.792	6.648	6.742	
1428964	at	Slc25a18	AK005250	Mm.425340	6	6.565	6.212	6.438	6.497	6.329	6.427	6.367	6.505	6.244	6.342	6.491	6.188	6.347	6.454	6.257	6.552	6.290	6.570	6.392	6.593	6.465	6.292	6.474	6.384	
1428965	at	Ccd5c54	AK005741	Mm.422869	16	4.875	4.351	4.791	5.041	4.640	4.995	4.831	4.916	4.301	4.612	4.942	4.380	4.821	4.697	4.755	5.051	4.769	4.794	4.731	5.170	4.780	4.663	4.606	4.816	
1428966	at	2610204K14Rik	AK018614	Mm.241472	7	9.698	9.598	9.450	9.496	9.602	9.570	9.416	9.766	9.694	9.579	9.189	9.857	9.657	9.519	9.594	9.453	10.108	9.821	9.488	9.522	9.902	10.066	9.559	9.493	
1428967	at	Igf1r	BB446952	Mm.275742	7	8.878	9.042	8.718	8.559	9.276	8.779	8.672	9.394	9.510	9.626	9.556	9.609	9.696	9.067	9.498	8.862	9.294	8.987	8.894	8.879	9.022	9.100	9.014	9.131	
1428968	at	Cep57	AW457682	Mm.157212	9	8.021	8.351	8.119	8.139	8.130	8.211	8.039	8.400	7.994	8.314	7.952	8.165	8.194	8.287	8.100	8.078	8.402	8.055	8.276	8.056	8.157	8.374	7.946	8.069	
1428969	at	D030074E01Rik	AK017149	Mm.273769	18	10.215	10.278	10.338	10.267	10.322	10.340	10.265	10.387	10.368	10.368	10.445	10.187	10.380	10.331	10.408	10.241	10.415	10.371	10.306	10.343	10.308	10.459	10.554	10.285	
1428970	at	Mf13	AK017149	Mm.273769	18	8.578	4.421	4.572	4.367	4.693	4.889	4.608	4.394	4.815	4.868	4.514	4.895	5.002	4.587	4.743	4.445	4.375	4.569	4.400	4.738	4.481	4.530	4.487		
1428971	at	CenC	AK014507	Mm.86523	10	10.626	10.485	10.337	10.205	10.362	10.665	10.400	10.416	10.433	10.516	10.480	10.733	10.770	10.338	10.677	10.421	10.178	10.132	10.288	10.359	10.403	10.642	10.724	10.681	
1428972	at	Tctex1d2	AK001718	Mm.302693	16	5.594	5.801	5.385	5.477	5.472	5.494	5.327	5.761	5.529	5.307	5.007	5.663	5.446	5.462	5.284	5.273	5.755	5.741	5.506	5.133	5.773	6.159	5.345	5.400	
1428973	s	at	Tctex1d2	AK001718	Mm.302693	16	7.828	8.144	7.655	7.878	7.866	8.016	7.855	8.167	8.222	7.795	7.555	7.924	8.073	7.742	7.744	7.685	8.431	8.097	8.038	7.701	8.153	8.087	7.733	7.601
1428974	s	at	Lztf1f	BB161653	Mm.378263	9	7.248	6.828	7.366	7.182	5.983	7.189	7.078	6.913	6.244	6.441	6.583	7.181	6.938	6.558	6.045	7.474	6.394	6.282	6.196	6.230	6.186	6.373	6.076	
1428975	at	Susd3	AK003860	Mm.34308	13	6.608	6.966	6.379	6.563	6.582	6.551	6.690	6.748	7.286	6.711	6.587	6.167	6.866	6.817	6.545	6.443	6.643	6.626	6.640	6.786	6.519	6.661	6.220	6.298	
1428976	at	Tmpo	AK017463	Mm.159684	10	8.931	8.748	8.420	8.057	8.200	8.511	8.363	8.545	8.322	8.867	8.523	8.112	8.275	8.865	8.547	8.486	8.244	8.123	8.539	8.344	8.148	8.405	8.241	8.379	
1428977	at	Ch8r8	AK005217	Mm.29380	7	5.652	5.537	5.416	5.578	5.434	5.548	5.458	5.287	5.611	5.557	5.500	5.367	5.567	5.544	5.502	5.383	5.663	5.390	5.392	5.387	5.534	5.495	5.454	5.704	
1428978	at	1200009J02Rik	AK019033	Mm.292932	12	9.820	9.746	9.623	9.858	9.782	9.822	9.820	9.250	9.210	9.234	9.256	9.327	9.322	9.085	9.293	8.959	8.282	9.031	8.946	9.031	9.031	9.031	9.031	9.031	
1428979	at	Mtrf	AV316320	Mm.272397	4	8.882	8.916	8.875	9.152	8.952	8.865	8.926	8.760	8.722	8.868	8.829	9.042	8.900	8.859	8.680	8.972	8.959	8.703	8.581	8.686	9.008	9.106	8.970	9.115	
1428980	at	Kkpi	AK003253	Mm.28359	3	7.856	7.415	7.792	7.655	7.411	7.523	7.564	7.602	7.189	7.332	7.460	7.432	7.343	7.425	7.588	7.631	7.504	7.507	7.394	7.547	7.521	7.573	7.754	7.576	
1428981	at	2810007J24Rik	AK012685	Mm.290727	7	5.007	4.863	5.204	5.199	5.025	5.100	5.218	5.115	5.132	5.191	5.232	4.979	5.174	5.289	5.122	5.144	5.018	5.221	5.396	5.391	5.195	4.887	5.530	5.237	
1428982	at	Atad2b	AK003687	Mm.210966	12	8.967	9.078	8.750	8.824	9.038	8.751	8.847	9.136	9.242	9.326	8.955	9.079	9.173	9.033	9.071	8.882	8.959	8.806	8.697	8.532	8.930	9.188	8.817	8.917	
1428983	at	Scx	AW124134	Mm.322821	15	6.055	5.860	5.655	5.492	5.948	5.408	5.594	6.037	6.361	5.579	5.675	6.378	6.417	5.473	5.822	5.329	6.218	5.907	5.595	5.240	5.851	5.710	5.710	5.326	
1428984	a	at	1700012B09Rik	AK005747	Mm.440453	9	5.697	5.271	5.643	5.694	5.531	5.530	5.611																	

1429033	at	Gcc1	AV339946	Mm.332950	6	7.804	7.839	7.534	7.887	7.817	7.825	7.792	7.969	7.925	7.903	7.808	7.989	7.821	7.745	7.932	7.782	7.887	7.712	7.740	7.530	7.753	7.874	7.744	7.712	
1429034	at	Eme2	AK012738	Mm.440199	17	7.577	7.545	7.285	7.291	7.541	7.127	7.486	7.344	7.336	7.340	7.308	7.605	7.327	7.244	7.369	7.297	7.362	7.429	7.261	7.306	7.338	7.214	7.172	7.396	
1429035	at	Ddep3	AK006085	Mm.173395	8	4.573	4.568	4.557	4.527	4.564	4.540	4.382	4.666	4.588	4.555	4.622	4.656	4.546	4.551	4.492	4.406	4.465	4.597	4.556	4.568	4.489	4.598	4.515	4.723	
1429036	at	Otop3	AK009293	Mm.101844	11	6.514	6.368	6.179	6.497	6.497	6.192	5.976	6.303	6.354	6.533	6.242	6.297	6.145	6.282	6.472	6.258	6.267	6.445	6.283	6.318	6.343	6.623	6.136	6.395	
1429037	at	L700019A02Rik	AK000101	Mm.337084	1	4.468	4.003	4.077	4.118	4.133	3.982	4.135	4.195	4.066	4.262	4.297	3.806	4.007	4.079	4.066	4.198	4.081	4.195	4.116	4.178	4.267	4.095	4.143	4.143	
1429038	at	B1904336	Mm.260360	8	8.143	9.116	8.072	8.066	8.475	8.016	8.116	8.549	9.141	8.907	8.504	8.891	8.404	8.657	8.195	8.131	8.448	8.533	8.189	9.951	8.302	8.323	8.021	7.923	8.021	
1429039	s	at	Dda1	B1904336	Mm.260360	8	9.828	10.362	9.893	9.958	10.004	9.837	9.769	9.951	10.096	10.078	10.202	10.174	10.135	10.031	9.882	9.928	10.090	10.056	10.040	9.900	9.894	9.885	9.903	9.841
1429040	at	6820431F20Rik	BE692399	Mm.157360	8	8.105	8.632	8.583	8.930	8.851	9.071	8.142	8.432	8.856	9.208	8.739	8.703	8.539	8.201	9.015	8.734	8.691	8.499	8.776	8.772	8.538	8.930	8.937	9.053	
1429041	at	6820431F20Rik	BE692399	Mm.157360	8	7.153	7.996	7.361	7.186	7.434	7.436	7.599	7.464	7.670	7.534	7.722	7.663	7.641	7.599	7.413	7.016	7.194	7.181	8.078	7.073	7.282	7.238	7.978	7.194	
1429042	at	Tmem167b	AK008415	Mm.32615	3	8.077	8.180	8.063	8.051	8.075	8.192	8.064	7.604	8.048	8.187	7.922	7.822	8.052	8.233	8.137	8.231	7.610	7.680	8.147	8.051	7.589	7.507	8.105	8.291	
1429043	at	Smdnc1	BG071121	Mm.313687	19	9.081	8.911	9.094	8.796	8.214	8.900	9.048	8.998	8.706	9.056	9.466	8.914	8.810	8.887	8.694	9.002	8.937	8.818	8.815	8.777	8.825	9.215	9.121	9.221	
1429044	at	Camsap11	AK005444	Mm.144143	1	9.472	9.316	9.406	9.369	9.609	9.492	9.491	9.384	9.646	9.673	9.507	9.640	9.782	9.424	9.764	9.413	9.428	9.540	9.581	9.542	9.360	9.491	9.651	9.687	
1429045	at	Smurf2	B1697997	Mm.340955	11	8.934	8.966	8.737	8.592	8.844	8.620	8.674	8.807	9.123	9.000	9.121	9.004	9.090	8.795	8.942	8.696	8.459	8.254	8.428	8.626	8.416	8.523	8.753	8.937	
1429046	at	Smurf2	B1697997	Mm.340955	11	7.596	7.361	7.588	7.494	7.538	7.462	7.444	7.092	7.434	7.577	7.610	7.561	7.549	7.637	7.768	7.714	7.184	6.986	7.388	7.114	7.098	7.043	7.554	7.952	
1429047	at	Rtf1	AW120535	Mm.33437	2	9.256	9.012	9.500	9.369	9.046	9.472	9.358	8.963	8.758	9.061	8.807	8.856	8.925	9.106	9.141	9.356	9.178	9.136	9.451	9.400	9.106	9.421	9.422	9.386	
1429048	at	Bloc1s2	AK010745	Mm.124685	19	8.647	9.181	8.469	8.789	8.893	8.695	8.716	9.029	9.085	8.858	8.590	8.982	8.984	8.932	8.636	8.555	8.904	8.869	8.711	8.627	8.891	8.955	8.880	8.302	
1429049	at	Nuak2	AK004737	Mm.100666	1	7.699	8.077	7.513	7.548	7.663	7.524	7.599	7.383	7.777	7.699	8.063	7.725	7.803	7.896	7.656	7.619	7.139	7.181	7.320	7.515	7.297	7.273	7.778	7.383	
1429050	at	Chic2	AK015681	Mm.239914	5	8.599	8.652	8.738	8.572	8.545	8.809	8.551	8.560	8.657	8.861	8.924	8.638	8.795	8.850	8.893	8.774	8.443	8.466	8.888	8.803	8.505	8.631	8.916	8.841	
1429051	s	at	Sox11	BE825056	Mm.41702	12	6.111	5.943	6.026	6.103	5.806	6.076	6.186	6.083	5.872	5.891	6.084	6.034	5.948	5.984	6.029	6.163	6.146	6.134	5.981	6.063	6.077	5.897	6.123	6.173
1429052	at	Ptprr	AK003303	Mm.146764	4	9.171	8.822	8.966	8.833	9.171	9.276	9.089	8.366	8.435	8.954	8.225	9.027	9.225	8.128	8.946	8.987	9.126	9.274	9.625	8.945	8.962	9.139	8.845	8.734	
1429053	at	L1100121J17Rik	BB795266	Mm.33421	17	8.026	7.765	7.723	7.694	8.067	7.959	7.740	7.869	8.002	8.167	8.034	8.150	8.171	7.629	8.073	8.016	8.350	8.207	7.956	8.104	7.281	7.974	8.073	8.225	
1429054	at	Mrfp47	AK009257	Mm.288960	3	8.805	8.935	8.531	8.564	8.679	8.580	8.924	9.517	8.541	8.406	8.506	8.754	8.538	8.366	8.345	8.522	6.985	6.920	8.906	8.722	9.347	9.686	8.549	8.765	
1429055	at	493056M07Rik	BB559293	Mm.37338	19	6.513	6.714	6.266	6.333	6.642	6.457	6.462	6.749	7.092	6.472	6.498	6.653	6.880	7.214	6.519	6.417	6.180	6.259	6.253	6.121	6.443	6.519	6.296	6.157	
1429056	at	Narq1l	AK007755	Mm.24425	14	6.953	7.224	6.899	7.080	7.015	6.941	6.961	7.114	6.814	6.821	7.090	6.831	6.968	6.959	6.881	6.903	7.016	6.966	7.074	6.831	6.907	7.103	7.083	6.863	
1429057	at	Narq1l	AK007755	Mm.24425	14	7.035	7.156	6.637	7.153	6.936	7.157	7.062	7.224	6.608	6.600	6.862	6.963	6.773	7.126	7.391	6.855	6.823	7.167	7.283	6.782	7.018	7.273	7.091	7.018	
1429058	at	Tmem107	AK003403	Mm.33964	11	9.511	10.463	9.499	9.863	10.394	9.908	9.775	9.844	10.478	10.272	9.882	10.069	10.201	10.141	9.780	9.471	10.068	9.995	9.750	9.652	9.695	9.797	9.370	9.420	
1429059	at	L110015107	AK003375	Mm.33964	11	7.459	7.003	7.122	7.122	7.425	7.350	7.478	7.552	7.378	7.565	7.478	7.565	7.478	7.565	7.478	7.565	7.478	7.565	7.478	7.565	7.478	7.565	7.478	7.565	7.478
1429060	at	Malat1	AK020483	Mm.298256	11	11.861	12.174	11.499	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910	11.863	11.910
1429061	at	L1810063B05Rik	AK007939	Mm.31946	8	8.469	8.221	8.501	8.512	8.370	8.507	8.649	8.404	7.997	8.305	8.308	8.258	8.112	8.413	8.231	8.661	8.263	8.230	8.426	8.577	8.519	8.634	8.954	8.683	
1429062	at	Kif16b	BG066903	Mm.251934	2	8.502	8.349	8.776	8.501	8.531	8.557	8.648	8.214	7.898	8.462	8.103	8.478	8.141	8.230	8.359	8.723	8.328	8.899	8.317	8.445	8.400	8.349	8.604	8.741	
1429063	s	at	Kif16b	BG066903	Mm.251934	2	9.712	9.399	9.817	9.728	9.943	9.682	9.893	9.666	9.882	9.532	9.090	9.614	9.236	9.259	9.548	9.894	9.781	9.607	9.512	9.480	9.667	9.931	9.723	9.855
1429064	at	Dip2c	AK013596	Mm.217326	13	10.601	10.099	10.712	10.784	10.466	10.974	10.846	10.192	9.833	10.081	9.983	10.110	10.252	10.076	10.276	10.084	11.047	10.949	10.950	10.904	10.750	11.152	11.019	11.028	11.028
1429065	at	1200009F10Rik	AK006283	Mm.252443	10	7.993	8.754	7.849	8.230	8.601	8.159	7.913	8.305	9.002	8.636	8.022	8.917	8.993	8.278	8.286	7.623	8.560	8.255	7.875	7.591	8.302	8.512	7.539	7.353	
1429066	at	4930565B19Rik	AK016224	Mm.458476	5	7.727	7.436	7.303	7.687	7.661	7.491	7.637	7.319	7.792	7.418	7.357	7.640	7.620	7.581	7.702	7.501	7.483	7.546	7.519	7.372	7.403	7.424	7.570	7.455	
1429067	at	P90ns2	BG063774	Mm.160134	8	5.420	5.299	5.122	5.242	5.249	5.198	5.288	5.086	5.435	5.255	5.640	5.255	5.640	5.255	5.640	5.255	5.640	5.255	5.640	5.255	5.640	5.255	5.640	5.255	5.640
1429068	at	L281048G03Rik	AK013449	Mm.374890	6	5.198	5.190	5.276	5.329	5.230	5.056	5.160	5.087	4.981	5.267	5.159	5.196	4.963	5.322	5.181	5.149	5.383	5.212	5.267	5.007	5.229	5.139	5.168	5.105	
1429069	at	Stub1	AK009713	Mm.277599	17	7.435	7.501	7.118	7.346	7.377	7.221	7.367	7.618	7.163	7.220	7.292	7.267	7.106	6.999	7.172	7.330	7.915	7.642	7.496	7.408	7.601	7.388	7.502	7.394	
1429070	at	Naif1	AK009216	Mm.102341	2	8.265	8.311	8.427	8.482	8.821	8.355	8.343	8.251	8.426	8.800	8.086	8.515	8.539	8.408	8.438	8.440	8.340	8.404	8.372	8.340	8.398	7.967	8.199	8.010	
1429071	at	Me3	AK006146	Mm.334011	7	10.869	10.024	10.721	10.777	10.282	10.501	10.412	10.561	9.727	9.962	10.198	10.582	10.360	9.771	10.583	10.699	11.164	10.973	10.694	10.749	10.915	11.079	10.679	10.608	
1429072	at	L1100121D15Rik	AK003211	Mm.28854	9	7.291	7.450	7.392	7.372	7.328	7.284	7.276	7.440	7.372	7.435	7.343	7.077	7.256	7.436	7.325	7.464	7.362	7.513	7.383	7.655	7.356	7.399	7.381	7.265	
1429073	at	221001																												

1429122	a at	1700040I03Rik	AK006658	Mm.379221	6	7.909	8.562	7.899	8.179	8.257	8.165	8.312	8.245	8.131	8.134	7.947	8.452	8.056	8.158	7.810	7.962	8.653	8.912	8.492	8.288	8.335	8.440	8.049	7.873	
1429123	at	Rab27a	BB025283	Mm.34867	9	6.194	5.939	6.230	6.064	5.893	6.112	5.977	5.844	5.829	5.897	5.742	5.858	6.023	6.175	5.974	5.968	5.724	5.718	5.676	5.642	5.813	6.079	5.976	6.124	
1429124	s at	Rexo1	BO178367	Mm.1116	10	8.825	8.850	8.810	8.837	8.890	8.853	8.805	8.814	8.829	8.812	8.860	8.898	8.823	8.757	8.837	8.706	8.895	8.905	8.949	8.812	8.939	8.832	8.827	8.850	8.851
1429125	at	AV283825	Mm.328890		17	7.655	7.895	7.654	7.768	7.750	7.861	7.749	7.750	7.892	7.849	7.647	7.853	7.743	7.844	7.730	7.711	7.799	7.870	7.777	7.716	7.737	7.852	7.861	7.547	
1429126	at	BB791315	Mm.432193		2	8.222	8.315	8.314	8.308	8.455	8.408	8.125	8.367	8.400	8.378	8.285	8.381	8.613	8.289	8.365	8.115	8.288	8.375	8.441	8.375	8.441	8.522	8.264	8.251	
1429127	at	Nradd	AV120130	Mm.46680	9	7.859	7.871	7.661	7.881	7.835	7.852	7.781	7.821	8.067	7.810	7.852	7.967	8.006	7.967	7.811	7.805	7.728	7.647	7.750	7.730	7.871	7.892	7.735		
1429128	x at	NfkB2	BI466783	Mm.102365	19	8.702	8.771	8.753	8.850	8.702	8.538	8.541	8.770	8.791	8.750	8.874	8.705	8.803	8.697	8.572	8.630	8.672	8.670	8.702	8.533	8.730	8.633	8.870	8.554	
1429129	at	Lrrcc1	AK004646	Mm.257449	3	4.754	4.859	4.678	4.639	4.847	4.708	4.659	4.853	5.625	5.535	5.125	5.663	5.281	4.919	5.409	4.332	5.367	4.662	4.797	4.880	4.886	4.883	4.949	4.383	
1429130	at	Tlct25	AK016657	Mm.31590	11	5.234	5.038	5.147	5.190	5.126	4.865	4.964	4.941	4.863	4.890	4.490	5.164	4.730	4.941	4.929	5.107	5.332	5.399	5.227	5.158	5.713	5.047	5.042	5.077	
1429131	at	Ube2v2	AV010904	Mm.235407	16	6.135	5.634	6.033	6.049	6.085	6.129	6.214	5.960	5.611	5.803	5.685	5.921	6.003	5.564	5.650	6.207	6.643	6.675	6.416	6.449	6.508	6.614	5.993	5.843	
1429132	at	Ube2v3	AV010904	Mm.235407	16	6.985	5.628	6.894	6.885	6.834	6.934	7.056	6.897	6.694	6.867	6.848	6.705	6.911	6.362	6.824	6.849	6.914	6.691	6.974	7.146	6.733	6.878	7.173	7.026	
1429133	at	Nkx12	AK015847	Mm.179243	13	6.088	5.824	5.935	6.012	6.003	5.764	5.804	5.728	6.041	5.958	5.907	5.960	6.007	6.038	5.691	6.231	5.878	5.853	5.896	5.695	5.914	5.577	6.002	5.879	
1429134	at	Hv2p3	AK013707	Mm.302758	4	8.901	8.408	8.715	8.656	8.557	8.643	8.697	8.950	8.736	8.522	8.656	8.828	8.794	8.730	8.952	8.717	8.469	8.546	8.416	8.512	8.688	8.721	8.519	8.693	
1429135	at	110059M19Rik	AV015858	Mm.336041	X	8.078	7.516	7.913	7.933	7.780	7.962	8.008	7.691	7.743	7.697	7.959	7.824	7.916	7.850	7.896	7.951	7.807	7.836	7.720	7.079	7.976	7.673	7.942	8.870	
1429136	at	1700052K11Rik	AK006771	Mm.351426	11	8.332	8.443	8.158	8.390	8.654	8.289	8.189	8.711	8.500	8.223	8.445	8.478	8.290	8.450	8.359	8.345	8.772	8.562	8.448	8.525	8.563	8.585	8.159	8.535	
1429137	at	2810422O20Rik	AK013137	Mm.27284	1	7.839	7.791	7.855	8.122	7.733	7.984	8.033	7.729	7.823	7.777	7.450	8.027	7.913	7.905	7.799	7.976	8.278	8.384	8.374	8.131	7.866	8.011	7.708	7.951	
1429138	at	Npas3	BB391772	Mm.247044	12	4.434	4.534	4.470	4.504	4.457	4.347	4.461	4.489	4.463	4.675	4.553	4.682	4.400	4.483	4.423	4.327	4.599	4.535	4.598	4.464	4.422	4.537	4.427	4.521	
1429139	at	Otd7b	AK013730	Mm.272336	3	8.981	8.553	8.996	8.862	9.024	8.657	8.507	8.948	8.790	8.959	8.800	9.208	9.231	8.594	9.243	8.948	9.323	9.032	8.873	8.987	9.267	9.487	9.108	9.201	
1429140	at	Spmn3	AK020683	Mm.46185	11	7.770	7.568	7.804	7.763	7.622	7.554	7.680	7.740	7.666	7.655	7.637	7.570	7.601	7.751	7.661	7.516	7.706	7.672	7.749	7.682	7.598	7.613	7.692	7.707	
1429141	at	Nrui2	AK004524	Mm.474586	2	10.076	9.964	9.817	10.084	10.131	9.998	10.086	10.384	9.623	9.604	9.840	10.114	9.834	9.566	9.818	9.727	10.828	10.766	10.222	10.393	10.745	10.782	10.111	10.009	
1429142	at	1700012A03Rik	AK005884	Mm.23510	6	4.425	4.299	4.115	4.546	4.292	4.197	4.302	4.787	4.188	4.405	4.737	4.251	4.270	4.393	4.138	4.012	4.250	4.214	4.318	4.318	4.521	4.405	4.349	4.320	
1429143	at	Tek13	AK016718	Mm.23534	11	6.169	5.898	5.729	5.835	5.678	5.784	5.933	6.159	5.753	5.719	5.923	5.674	5.703	5.693	5.887	5.662	6.177	5.797	5.942	5.660	5.866	5.734	5.840	5.777	
1429144	at	Prel4	AV291259	Mm.211211	2	11.436	10.589	11.604	11.265	11.270	11.594	11.238	10.598	9.982	10.487	10.343	10.690	10.392	10.413	11.176	11.165	11.182	11.166	11.264	11.532	11.530	11.440	11.510	11.663	
1429145	at	Nhlrc2	AK002650	Mm.46346	19	9.316	9.286	9.726	9.461	9.354	9.264	9.357	8.767	9.124	9.469	9.118	9.201	9.133	9.081	9.358	9.631	9.115	9.381	9.332	9.184	9.261	9.205	9.524	9.682	
1429146	at	6620401M08Rik	BF011349	Mm.386823	7	9.710	9.021	9.941	9.761	9.129	9.783	9.806	8.906	9.495	8.501	8.856	8.998	9.296	8.943	8.685	9.428	9.847	10.036	9.732	9.723	9.765	9.921	10.054	9.829	9.894
1429147	at	6620401M08Rik	BF011349	Mm.386823	7	7.688	7.201	7.918	7.428	7.360	7.714	7.573	7.475	7.287	7.451	7.719	7.278	7.481	7.400	7.648	7.760	7.490	7.823	7.657	7.760	7.678	7.559	7.816	7.830	
1429148	at	Gm32	AK013730	Mm.272336	10	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300
1429149	at	Bin2	BM494601	Mm.35546	8	7.580	7.365	7.373	7.349	7.447	7.310	7.528	7.456	7.347	7.372	7.438	7.398	7.458	7.500	7.417	7.235	7.254	7.294	7.464	7.258	7.333	7.399	7.277	7.207	
1429150	at	Cdc7f	BM224226	Mm.45767	6	7.799	8.145	7.809	7.851	8.044	7.778	7.955	8.234	8.034	7.938	7.998	8.077	8.128	7.817	7.700	7.650	8.108	8.211	7.766	7.826	8.060	8.268	7.924	7.606	
1429151	at	Wdr68	AK011714	Mm.307455	11	10.397	10.639	10.567	10.512	10.564	10.758	10.673	10.016	10.290	10.476	10.403	10.264	10.372	10.728	10.507	10.596	10.226	10.421	10.726	10.694	10.193	10.134	10.615	10.643	
1429152	at	K5scan1	AI509716	Mm.213114	5	7.233	7.495	7.122	7.347	7.283	7.410	7.454	7.263	7.312	7.673	7.478	7.124	6.981	7.244	7.241	7.385	7.237	7.062	7.224	7.086	7.067	7.233	7.046	7.069	
1429153	at	6630406A20Rik	AK018324	Mm.352212	12	7.331	7.280	7.286	7.558	7.505	7.434	7.488	7.348	7.378	7.455	7.237	7.464	7.413	7.227	7.495	7.124	7.604	7.684	7.603	7.637	7.399	7.791	7.375	7.554	
1429154	at	Slc35f2	BO609340	Mm.136159	9	5.014	4.768	5.041	5.157	5.056	5.008	5.132	5.188	4.945	5.043	5.099	5.045	5.103	5.162	5.077	5.111	5.060	5.149	5.170	5.442	5.026	4.981	4.938	4.889	
1429155	at	4933411K20Rik	BO175454	Mm.235223	8	9.343	9.270	9.528	9.329	9.394	9.559	9.362	9.283	9.229	9.348	8.691	9.475	9.400	9.399	9.307	9.524	9.562	9.573	9.462	9.445	9.229	9.590	9.199	9.246	
1429156	at	100306L11Rik	BB472509	Mm.42191	10	4.550	5.901	5.509	5.925	5.293	5.937	5.955	5.574	5.965	5.555	5.079	7.168	5.383	5.362	5.532	5.338	5.367	5.526	5.595	5.562	5.595	5.562	5.532	5.532	
1429157	at	Hfp2	AK019671	Mm.459373	1	6.087	6.026	6.120	6.039	6.211	5.939	5.957	6.186	6.370	5.992	6.093	5.959	6.223	6.133	5.902	6.179	6.020	5.955	6.124	6.187	6.315	6.004	6.117	6.144	
1429158	at	Xbox28	AV302798	Mm.30737	7	7.083	7.329	6.899	7.132	7.309	7.062	7.126	7.518	7.396	7.354	7.400	7.347	7.149	7.195	7.185	6.890	7.470	7.345	6.950	7.016	7.423	7.637	7.149	7.306	
1429159	at	Itih5	AK018605	Mm.313876	2	8.068	8.361	7.845	8.474	8.971	9.372	8.672	10.063	8.791	9.294	9.213	10.507	10.395	8.471	9.722	7.996	9.886	8.932	8.523	8.155	8.982	9.011	8.619	8.105	
1429160	at	Mttr3	AK012733	Mm.196528	5	8.591	8.722	8.457	8.614	8.598	8.581	8.504	8.846	8.662	8.396	8.287	8.671	8.567	8.537	8.426	8.373	8.897	9.022	8.687	8.681	8.812	8.989	8.877	8.356	
1429161	at	Arv1	AK004398	Mm.22779	8	7.847	7.907	7.958	7.946	7.757	7.804	7.850	7.805	7.621	7.883	7.844	7.691	7.901	7.891	7.753	7.840	7.901	7.737	7.805	7.762	7.772	7.831	8.094	7.826	
1429162	at	1500015A07Rik	AK005240	Mm.4411992	18	5.349	5.654	5.554</																						

1429211	at	2900078E11Rik	AK013801	Mm.397530	16	3.985	3.955	4.162	3.902	3.841	4.027	3.880	4.114	3.746	3.826	4.105	3.872	3.960	3.986	3.790	3.985	3.894	4.098	4.132	3.859	3.723	4.129	3.962	
1429212	a at	Lrrc51	AK005758	Mm.214841	7	7.135	6.749	7.175	7.119	7.270	6.943	7.062	7.360	7.163	7.019	7.102	7.389	7.753	6.981	7.255	7.247	7.126	7.229	7.137	7.297	7.202	7.253	7.161	7.174
1429213	at	2310030N02Rik	AK009547	Mm.275265	4	10.128	9.984	10.100	10.130	9.853	10.097	10.112	10.155	9.472	9.602	9.975	9.728	9.364	9.614	9.751	9.996	10.322	10.444	10.095	10.339	10.290	10.137	10.099	10.213
1429214	at	Adams1st	AK020831	Mm.330088	2	9.317	8.998	9.004	9.219	8.852	9.175	8.803	9.668	9.665	9.949	9.782	10.128	10.111	9.366	9.646	9.139	9.099	9.447	9.355	9.117	9.154	8.930	9.214	9.228
1429215	at	2310058N22Rik	BC0175646	Mm.440654	12	6.895	7.042	6.817	7.108	6.770	7.116	6.732	7.040	6.588	6.732	7.328	6.989	7.129	6.863	6.987	7.033	7.026	7.026	7.139	7.028	7.336	6.838	7.286	
1429216	at	Paq3	AK018174	Mm.332505	5	5.782	6.321	5.929	5.724	6.010	6.105	6.015	5.951	5.912	6.182	5.939	6.013	5.995	5.094	5.912	5.983	5.901	6.133	6.191	6.029	5.937	5.885	5.990	6.017
1429217	at	Zlf655	AK018500	Mm.206555	5	9.716	9.429	9.527	9.663	9.565	9.588	9.718	9.549	9.274	9.312	9.569	9.619	9.612	9.234	9.797	9.598	10.154	9.812	9.834	9.767	9.953	9.844	9.753	9.641
1429218	at	Det1	BE457100	Mm.250541	7	7.994	8.179	7.845	8.208	8.065	7.969	7.940	7.917	8.299	8.009	8.105	8.231	8.091	8.107	7.950	7.969	8.134	8.260	7.945	8.058	8.308	8.066	8.278	8.002
1429219	at	1200009F10Rik	AK004670	Mm.252843	10	8.183	9.458	7.990	7.921	9.068	8.432	8.169	8.655	8.878	9.721	8.818	8.923	9.091	9.289	8.990	7.927	8.196	8.340	8.500	7.963	8.018	8.192	7.875	7.972
1429220	at	Wdr85	AK013297	Mm.389248	2	7.608	7.620	7.595	7.621	7.794	7.646	7.638	7.298	7.719	7.643	7.527	7.687	7.855	7.548	7.680	7.666	7.768	7.770	7.817	7.697	7.589	7.493	7.515	7.455
1429221	at	Wdr85	AK013297	Mm.389248	2	6.683	6.613	6.702	6.499	6.506	6.598	6.419	6.494	6.668	6.532	6.583	6.427	6.601	6.786	6.468	6.800	6.729	6.623	6.763	6.804	6.813	6.548	6.592	6.884
1429222	at	Hv1s1	Al661697	Mm.252879	9	6.867	6.669	6.921	6.831	6.683	6.808	6.740	6.695	6.407	6.553	6.893	6.507	6.366	6.491	6.878	6.765	6.720	6.681	6.690	6.683	6.187	6.262	7.007	6.925
1429223	a at	H62	AV209575	Mm.171314	3	10.529	10.442	10.522	10.571	9.987	10.526	10.665	9.876	9.647	9.773	9.813	10.130	9.599	9.624	10.024	10.420	10.403	10.804	10.664	10.629	10.616	10.646	10.505	10.684
1429224	at	Pma1	AK017476	Mm.444348	12	5.726	5.428	5.374	5.505	5.253	5.366	5.362	5.256	5.492	5.447	5.564	5.288	5.265	5.647	5.370	5.595	5.297	5.437	5.444	5.427	5.556	5.405	5.410	5.567
1429225	at	Slc24a2	Al847460	Mm.127296	4	6.226	6.353	6.221	6.204	6.560	6.300	6.263	6.596	6.337	6.884	6.831	6.919	6.475	6.282	6.642	6.274	6.325	6.670	6.196	6.426	6.577	6.325	5.834	6.051
1429226	at	2310014F06Rik	AK009335	Mm.283231	7	8.711	8.068	8.857	8.657	8.701	8.552	8.596	8.249	8.010	8.143	8.545	8.015	8.260	8.087	8.334	8.875	8.545	8.560	8.693	8.836	8.536	8.446	8.888	9.143
1429227	x at	Nap1l1	AK007322	Mm.290407	10	10.040	10.526	9.711	9.685	10.119	9.922	9.874	10.059	10.275	10.287	10.140	10.176	10.256	10.379	10.129	9.795	10.111	9.795	10.040	9.766	10.073	10.357	9.903	9.950
1429228	at	4930534B04Rik	BE980134	Mm.312204	12	5.066	5.148	5.280	6.159	4.450	5.272	5.408	4.702	4.677	4.674	4.637	4.484	4.335	4.738	4.532	5.170	5.839	5.314	5.711	5.257	5.851	5.783	5.409	5.353
1429229	s at	4930534B04Rik	BE980134	Mm.312204	12	7.987	7.425	8.122	8.724	7.378	8.451	8.501	7.235	7.137	7.129	7.320	7.007	7.089	7.547	7.391	8.274	8.149	8.103	8.572	8.394	8.381	8.057	8.080	8.046
1429230	at	Kik5	AK003996	Mm.458122	7	6.474	5.986	6.442	6.260	6.105	6.117	6.310	6.041	6.171	5.866	6.141	5.951	6.285	6.153	6.144	6.282	6.188	6.124	6.235	6.203	6.231	6.043	6.154	6.229
1429231	at	9330171B17Rik	AK015078	Mm.101633	7	5.213	4.912	5.116	4.973	5.055	5.067	5.178	4.851	4.958	5.058	5.097	4.706	5.027	5.174	5.275	5.084	5.347	5.351	5.287	5.571	5.179	4.897	5.088	5.304
1429232	at	2610528B01Rik	AK012160	Mm.348422	4	4.403	4.484	4.468	4.645	4.243	4.655	4.622	4.840	4.254	4.402	4.252	4.043	4.711	4.841	4.441	4.762	4.345	4.463	4.465	4.285	4.625	4.470	4.237	3.988
1429233	at	11-Sep	BM120495	Mm.428571	5	10.280	10.682	10.075	10.173	10.454	10.660	10.100	10.288	10.787	10.782	10.392	10.434	10.732	10.857	10.562	10.303	9.914	9.959	10.155	10.213	10.102	9.937	10.317	10.252
1429234	s at	11-Sep	BM120495	Mm.428571	5	9.907	10.835	9.627	9.822	10.456	9.709	9.634	10.328	11.154	10.862	10.860	10.551	10.783	10.941	10.359	9.769	9.669	9.592	9.601	9.401	9.750	9.705	9.973	9.606
1429235	at	GaInt2	AV209688	Mm.40681	14	7.376	7.073	7.567	7.453	7.266	7.386	7.367	7.720	7.258	7.217	7.837	7.184	7.309	7.036	7.622	7.596	8.240	7.752	7.966	8.187	8.203	8.457	7.783	7.960
1429236	at	GaInt2	AV209688	Mm.40681	14	7.814	7.425	8.164	8.179	7.670	8.092	8.011	7.769	7.378	7.791	7.433	7.654	7.454	7.637	8.208	8.303	8.255	8.251	8.537	8.662	8.147	8.427	8.424	8.493
1429237	at	Onf2d	AK001977	Mm.351977	2	5.916	5.924	5.917	5.914	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915	5.924	5.915
1429238	at	GaInt2	AK004916	Mm.705705	5	9.095	8.943	8.948	9.153	8.945	8.964	8.875	8.965	8.941	8.868	8.941	8.971	8.849	8.930	8.858	8.940	9.111	9.113	9.194	9.063	9.063	8.925	8.864	8.716
1429239	a at	StarD4	AK014587	Mm.127058	18	6.465	7.823	6.554	6.674	6.998	6.781	6.887	7.114	7.335	7.360	7.553	6.666	6.998	7.488	7.094	6.627	6.642	6.755	6.745	6.630	6.440	6.371	6.750	6.601
1429240	at	StarD4	AK014587	Mm.127058	18	8.392	9.831	8.745	8.774	8.876	8.878	8.743	8.784	9.284	9.206	9.124	8.905	8.874	9.374	8.987	8.550	8.501	8.789	8.760	8.723	8.490	8.548	8.703	8.530
1429241	at	Npal3	AK018640	Mm.26548	4	7.522	7.376	7.889	7.607	7.204	7.463	7.731	7.582	7.314	7.602	7.384	7.688	7.335	7.550	7.369	7.705	7.447	7.630	7.512	7.629	7.461	7.350	7.545	7.502
1429242	at	1110054Q05Rik	BC076073	Mm.51988	4	6.392	6.952	6.717	6.582	6.603	6.666	6.690	6.646	6.512	6.631	6.455	6.636	6.523	6.681	6.470	6.650	6.697	6.860	6.624	6.646	6.636	6.716	6.768	6.624
1429243	at	1110054Q05Rik	BC076073	Mm.51988	4	7.686	8.025	7.793	7.942	7.822	7.656	7.775	7.860	7.849	7.694	7.875	7.842	7.728	7.744	7.848	7.854	7.777	7.821	7.886	7.724	7.849	7.770	7.685	7.592
1429244	at	2610524H06Rik	AW454389	Mm.268546	5	6.512	6.619	6.603	6.578	6.790	6.462	6.535	6.587	6.750	6.520	6.642	6.604	6.701	7.032	6.417	6.390	6.422	6.489	6.345	6.656	6.413	6.772	6.566	6.483
1429245	at	2520122D22Rik	NA	NA	7	7.190	7.278	7.532	7.230	7.498	6.877	6.813	7.198	6.958	7.087	7.233	6.999	6.734	6.937	7.538	7.527	7.583	7.145	7.588	7.145	7.588	7.145	7.588	7.145
1429246	a at	Anxa6	AK013026	Mm.265347	11	9.352	10.037	9.707	9.474	9.350	9.428	9.161	8.583	9.771	10.169	9.581	9.654	9.451	9.818	9.473	9.607	8.870	9.193	9.502	9.318	8.815	8.613	8.950	9.226
1429247	at	Anxa6	AK013026	Mm.265347	11	7.386	7.596	7.544	7.289	7.677	7.587	7.450	7.554	7.563	7.429	7.911	7.676	7.520	7.484	7.624	7.432	7.506	7.883	7.508	7.633	7.357	7.515	7.733	6.997
1429248	at	2810002N01Rik	AK002873	Mm.425762	12	9.754	9.649	9.707	9.815	9.553	9.796	9.567	9.785	9.460	9.299	9.378	9.537	9.367	9.307	9.487	9.757	9.908	9.875	9.640	9.559	9.837	10.031	9.575	9.564
1429249	at	4833424Q15Rik	BB346520	Mm.72187	3	5.987	5.596	5.819	5.781	5.947	5.646	5.677	5.884	5.877	5.581	5.906	5.968	6.020	5.841	5.789	5.583	5.625	5.825	6.030	6.046	5.888	5.941	5.978	5.988
1429250	at	Dvnc2h1	AV256128	Mm.237596	9	8.373	8.214	8.457	8.543	8.411	8.517	8.496	8.403	8.418	8.487	8.385	8.479	8.562	8.441	8.381	8.339	8.324	8.344	8.409	8.465	8.457	8.308	8.300	8.343
1429251	at	Pdm2	BM226301	Mm.332020	4	8.190	8.133																						

1429300	at	Ankrd9	AK010867	Mm.250989	12	8.841	8.975	8.980	9.171	9.082	8.935	8.645	9.173	8.328	8.499	8.132	8.867	8.705	8.324	8.766	8.931	9.044	9.173	9.074	8.897	9.328	9.397	8.925	9.222
1429301	at	NA	BG070990	NA	NA	7.816	7.880	8.000	8.144	8.059	7.956	7.961	7.923	7.906	8.031	7.936	8.119	8.096	8.074	8.132	7.964	7.809	7.928	7.999	7.885	7.782	7.858	7.938	7.948
1429302	at	Csnk2a2	BG070990	Mm.400348	8	8.289	8.341	8.336	8.608	8.406	8.222	8.181	8.493	8.389	8.491	8.347	8.653	8.399	8.387	8.519	8.236	8.497	8.427	8.301	8.298	8.452	8.482	8.319	8.119
1429303	at	Klf17	AK018361	Mm.3848	4	6.024	5.853	6.157	5.978	5.816	5.931	5.988	5.847	6.004	5.885	5.976	6.008	6.022	5.779	5.840	6.106	5.995	5.936	5.967	5.953	6.183	6.023	5.895	5.760
1429304	at	Ankrd10	BF161506	Mm.12459	8	8.839	9.317	9.113	8.832	8.981	8.850	8.733	8.935	9.524	9.386	9.983	9.034	9.124	9.245	9.211	8.814	8.897	8.887	8.589	8.669	8.585	8.763	8.762	
1429305	at	Ankrd10	BF161506	Mm.12459	8	8.778	8.528	8.567	8.759	8.666	8.833	8.657	8.623	8.733	8.537	8.856	8.421	8.662	8.846	8.642	8.628	8.542	8.655	8.684	8.697	8.689	8.501	8.697	
1429306	at	Lzic	AK007657	Mm.464434	4	7.787	8.002	7.578	7.691	7.684	7.856	7.683	7.566	7.742	7.884	7.814	7.978	7.648	7.715	7.828	7.612	7.745	7.741	7.756	7.596	7.773	7.593	8.056	8.107
1429307	s at	Lzic	AK007657	Mm.464434	4	9.400	9.555	9.465	9.460	9.263	9.617	9.539	9.416	9.243	9.436	9.485	9.491	9.238	9.374	9.521	9.466	9.420	9.554	9.464	9.170	9.553	9.505	9.996	9.905
1429308	at	Pdrn16	BF471654	Mm.257785	4	6.075	6.507	6.461	6.497	5.300	5.729	6.291	6.573	5.555	4.906	5.207	6.248	5.820	6.071	5.607	6.378	5.691	6.096	5.912	5.898	5.870	5.322	4.910	5.352
1429309	at	Pdrn16	BF471654	Mm.257785	4	6.729	6.365	6.470	6.558	6.312	6.484	6.330	6.637	6.450	6.091	6.454	6.250	6.211	6.288	6.459	6.406	6.444	6.386	6.457	6.518	6.455	6.502	6.553	6.650
1429310	at	Flr13	BE945486	Mm.426781	2	5.365	5.615	5.471	5.438	5.563	5.474	5.553	5.514	5.402	5.495	5.621	5.523	5.446	5.782	5.474	5.614	5.714	5.702	5.802	5.634	5.697	5.343	5.758	5.613
1429311	at	Ube2a1	AK009324	Mm.41438	3	9.604	10.083	9.607	9.654	9.916	9.782	9.672	9.711	10.173	9.928	9.703	9.975	10.057	10.030	9.826	9.828	9.841	9.950	9.843	9.696	9.683	9.752	9.610	9.522
1429312	s at	Ror1	AK012979	Mm.57252	4	4.608	4.571	4.665	4.597	4.648	4.661	4.794	5.069	4.545	4.446	4.427	4.652	4.916	4.627	4.781	4.632	4.879	4.721	4.603	4.669	4.456	4.948	4.711	4.715
1429313	at	Ror2	AK012979	Mm.57252	4	7.806	8.503	8.396	8.486	8.685	8.342	8.638	8.362	8.050	8.363	7.736	8.749	8.951	8.616	8.416	8.242	7.900	8.224	7.801	8.117	8.535	8.833	8.443	
1429314	at	Sytl11	AK018343	Mm.379376	3	8.052	8.053	8.011	8.130	8.257	8.231	7.991	8.089	8.450	8.315	7.911	8.398	8.330	8.196	8.133	8.025	8.085	8.146	8.025	7.985	8.059	8.124	7.901	8.086
1429315	at	Sytl11	AK018343	Mm.379376	3	8.266	7.964	7.792	8.140	8.265	8.025	8.070	8.125	8.286	8.206	8.067	8.181	8.296	8.097	8.077	7.927	8.131	8.083	8.120	7.976	8.216	8.030	7.959	7.913
1429316	at	Rasgef1a	AK018120	Mm.87660	6	4.380	4.404	4.610	4.353	4.526	4.498	4.243	4.659	4.741	4.621	4.490	4.586	4.722	4.499	4.303	4.491	4.420	4.545	4.655	4.371	4.372	4.667	4.382	4.365
1429317	at	Ors1	AK012351	Mm.5904	10	8.253	8.201	8.504	8.483	8.193	8.454	8.690	7.917	7.446	7.885	7.755	7.812	7.560	7.687	7.937	8.611	8.398	8.598	8.481	8.577	8.263	8.119	8.368	8.745
1429318	at	Ok	AK005169	Mm.384135	17	12.322	11.937	12.306	12.341	12.192	12.296	12.380	12.276	11.825	11.954	12.186	12.109	12.115	11.905	12.222	12.368	12.513	12.371	12.373	12.405	12.460	12.560	12.361	12.397
1429319	at	Rhh	BM243660	Mm.20323	5	6.277	6.460	6.289	6.099	6.071	6.077	6.174	6.210	6.514	6.323	6.390	6.232	6.157	6.336	6.125	6.102	5.964	6.101	5.903	6.135	5.959	6.035	6.127	6.207
1429320	at	Cdkn2alp	AV296242	Mm.393807	8	6.723	6.639	6.845	6.668	6.597	6.704	6.699	6.248	6.138	6.784	6.286	6.779	6.423	6.548	6.610	6.894	6.077	6.602	6.831	6.539	6.363	6.084	6.912	6.902
1429321	at	Rnt1f49	T12280	Mm.28614	1	9.143	10.599	8.856	9.015	9.850	9.253	9.182	9.491	10.830	10.370	10.000	10.300	10.447	10.497	9.808	8.916	9.288	9.137	9.193	8.857	9.111	9.161	8.892	8.888
1429322	at	Exoc16	BE995653	Mm.24174	8	5.836	6.060	5.841	5.932	5.750	5.696	5.757	5.963	5.748	5.684	5.845	5.614	5.585	5.783	5.919	5.825	5.945	6.006	5.918	5.931	5.865	5.657	5.548	5.842
1429323	at	1700001E04Rik	AK005583	Mm.360540	14	4.943	4.788	4.984	4.824	4.717	4.912	4.953	4.675	4.778	4.735	4.667	4.659	4.661	4.707	4.800	4.870	4.731	4.858	4.914	4.821	4.856	4.810	4.765	4.978
1429324	at	1700012A16Rik	AK005886	Mm.49460	1	5.364	4.926	5.292	5.192	5.225	5.036	5.328	5.283	5.095	5.176	5.252	5.217	5.200	5.001	5.140	5.086	5.413	5.121	5.099	5.088	5.335	5.283	5.060	5.140
1429325	at	Wdr51b	BB667633	Mm.440656	10	6.739	6.741	6.711	6.640	6.699	6.767	6.792	6.672	6.666	6.676	6.699	6.536	6.663	6.785	6.837	6.756	6.956	6.827	6.789	6.903	6.747	6.787	6.940	
1429326	at	Slc12a1	BE958949	Mm.249212	5	5.299	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289	5.289
1429327	at	Slc12a1	AK017826	Mm.467392	16	6.154	6.248	6.839	5.971	7.788	6.621	6.098	6.039	6.182	6.037	6.930	6.182	6.896	5.935	6.200	6.204	6.153	6.254	6.179	6.686	6.842	5.922		
1429328	at	Cxcl1c	BG922397	Mm.419479	2	11.235	11.387	11.323	11.158	11.072	11.307	11.322	11.377	10.949	11.111	11.317	11.252	11.100	11.320	11.207	11.311	11.582	11.549	11.499	11.466	11.408	11.521	11.168	11.114
1429329	at	Nos10	AK010385	Mm.340211	11	10.342	10.312	10.218	10.418	10.134	10.154	10.217	10.389	9.518	9.872	10.109	10.104	9.654	9.843	9.939	10.228	10.704	10.779	10.409	10.596	10.145	10.153	10.347	
1429330	at	Gabra4	AK013727	Mm.248731	5	4.154	3.991	3.990	3.945	4.026	3.979	4.051	4.063	4.173	3.938	4.019	3.777	4.081	3.982	4.076	4.109	4.078	4.249	3.997	4.041	4.151	3.997	4.101	4.056
1429331	at	4632427E13Rik	AK019505	Mm.292102	7	7.461	7.209	7.743	7.396	7.305	7.683	7.572	6.958	6.976	7.323	7.200	7.285	7.200	7.265	7.285	7.601	7.334	7.485	7.511	7.427	7.100	7.227	7.312	7.630
1429332	at	4632427E13Rik	AK019505	Mm.292102	7	7.428	7.294	7.317	6.845	6.654	7.172	7.210	6.601	6.279	6.916	6.481	6.622	6.530	6.690	6.844	7.336	6.856	6.722	6.763	6.781	6.630	6.783	6.961	7.200
1429333	at	Klf2b	AK006866	Mm.67777	11	4.836	4.572	4.629	4.705	4.705	4.461	4.806	4.655	4.713	4.604	4.411	4.634	4.539	4.642	4.687	4.404	4.599	4.782	4.736	4.848	4.694	4.566	4.454	4.705
1429334	at	Lvs1	AK006866	Mm.67777	13	5.028	4.766	4.813	4.930	4.742	4.899	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793	4.582	4.793
1429335	at	Snacp1	AK012317	Mm.25937	12	6.975	8.054	7.075	6.898	6.991	6.992	6.964	7.028	7.048	7.089	7.067	7.020	7.653	7.730	6.902	7.035	7.019	6.998	6.977	6.870	6.883	7.079	6.896	6.852
1429336	at	Tmem87b	BB161454	Mm.259688	2	8.436	8.528	8.449	8.431	8.490	8.630	8.506	8.349	8.531	8.491	8.470	8.658	8.412	8.514	8.674	8.533	8.497	8.491	8.626	8.458	8.254	8.587	8.536	8.590
1429337	at	Tmem87b	BB161454	Mm.259688	2	7.383	7.808	7.206	7.217	7.629	7.595	7.429	7.758	7.879	7.723	7.560	7.690	7.466	7.722	7.543	7.276	7.595	7.568	7.448	7.394	7.626	7.653	7.771	7.581
1429338	a at	Nol9	AK014568	Mm.275803	4	5.180	5.364	5.228	5.001	4.957	5.053	5.208	5.159	5.022	5.207	5.584	5.200	5.217	5.267	5.080	5.226	5.173	5.042	5.072	4.935	5.328	5.106	5.176	5.623
1429339	a at	Acad10	AK010568	Mm.44523	5	8.055	7.791	8.261	8.285	7.903	8.195	8.112	7.941	7.717	7.569	7.682	7.978	7.702	7.814	7.910	8.276	8.230	8.330	8.380	8.330	8.088	8.090	8.074	8.287
1429340	at	Hrasd5	AK014971	Mm.116803	19	5.317	5.022	5.103	5.234	5.022	4.952	5.194	5.344	5.100	4.907	5.001	5.097	5.082	5.106	4.985	4.949								

1429389	at	Setmar	AK017895	Mm.56539	6	7.908	7.532	7.788	7.705	7.652	7.918	8.014	7.777	7.611	7.622	7.677	7.652	7.535	7.724	7.623	7.923	7.821	7.756	7.981	7.756	7.705	7.657	7.681	7.858
1429390	at	Acpl2	BB183525	Mm.233031	9	7.191	7.960	7.839	7.729	7.196	7.976	7.823	7.171	6.949	6.955	6.933	7.954	8.054	8.360	6.914	8.020	7.557	7.685	7.910	7.489	6.839	6.854	6.801	6.618
1429391	at	Acpl2	BB183525	Mm.233031	9	6.045	5.511	5.758	5.725	5.611	5.699	5.749	5.748	5.804	5.533	5.818	5.594	5.715	5.936	5.710	5.911	6.065	5.788	5.747	5.981	5.606	5.383	5.750	5.848
1429392	at	Wdr40a	BB585853	Mm.28891	4	7.628	8.140	7.660	7.518	7.827	7.671	7.708	7.601	7.997	8.073	7.858	7.770	8.004	8.352	7.879	7.836	7.238	7.473	7.918	7.674	7.470	7.411	7.712	8.103
1429393	at	Wdr40a	BB585853	Mm.28891	4	7.382	7.704	7.841	7.831	7.587	7.814	7.582	7.132	7.434	7.969	7.524	7.387	7.989	7.989	7.789	7.718	7.281	7.266	7.544	7.588	7.436	7.228	7.815	8.368
1429394	at	A130010J15Rik	BB025778	Mm.273695	1	6.415	6.316	6.737	6.836	6.683	6.755	6.848	6.218	6.375	6.522	6.221	6.374	6.486	6.659	6.427	6.810	6.329	6.305	6.778	6.580	6.125	6.145	6.498	6.298
1429395	at	Gstcd	AK013957	Mm.304899	3	7.455	8.133	7.644	7.785	8.084	7.711	7.799	7.744	8.208	8.121	8.090	7.743	7.691	8.534	7.791	7.782	7.405	7.503	7.840	7.805	7.603	7.411	7.628	7.629
1429396	at	Ata1612	AK010773	Mm.275744	7	7.492	7.683	7.629	7.788	7.581	7.553	7.567	7.570	7.567	7.751	7.381	7.683	7.769	7.354	7.439	7.508	7.791	7.589	7.448	7.479	7.691	7.739	7.544	7.352
1429397	a at	4921509E07Rik	AK014851	Mm.56514	12	5.908	5.793	5.870	5.696	5.633	5.963	5.748	5.570	5.664	5.702	5.914	5.853	5.543	5.604	5.696	5.823	5.816	5.737	5.785	5.913	5.717	5.569	5.640	5.882
1429398	at	Hoxa3	BB326245	Mm.159945	6	7.444	4.388	4.622	4.650	4.656	4.502	4.768	4.368	4.526	4.521	4.801	4.890	4.674	4.791	4.729	4.709	4.571	4.648	4.679	4.666	4.713	4.546	4.631	4.847
1429399	at	Rnf125	BB667823	Mm.45980	18	8.727	8.763	8.748	8.486	8.849	8.413	8.319	8.841	8.691	8.625	9.226	8.669	8.808	8.679	8.810	8.698	8.487	8.644	8.550	8.312	8.629	8.882	8.879	8.672
1429400	at	Clicn5	BB794830	Mm.254370	x	7.956	8.562	7.796	7.953	8.024	8.076	7.998	8.142	8.751	8.543	8.273	8.068	8.206	8.685	8.028	7.775	7.794	7.741	7.916	7.890	7.622	7.817	7.960	7.670
1429401	at	Stox2	BM114398	Mm.23973	8	7.529	7.938	7.679	7.761	7.726	7.539	7.520	7.782	7.879	7.915	7.684	8.132	8.107	7.611	7.781	7.799	7.690	7.589	7.248	7.569	7.716	7.740	7.471	7.433
1429402	at	Glt8d2	AK003894	Mm.191281	10	6.489	6.113	6.624	6.509	6.583	6.611	6.268	6.370	6.563	6.614	6.637	6.497	6.411	6.516	6.520	6.520	6.493	6.526	6.472	6.667	6.668	6.519	6.553	
1429403	x at	Glt8d2	AK003894	Mm.191281	10	6.355	6.280	6.481	6.489	6.777	6.532	6.462	6.365	6.405	6.451	6.312	6.343	6.478	6.255	6.423	6.280	6.340	6.518	6.474	6.407	6.572	6.398	6.390	6.528
1429404	at	2010317E24Rik	AK008577	Mm.250293	2	5.649	6.165	5.653	5.769	5.648	5.829	5.708	6.019	6.112	5.883	5.874	5.755	5.759	5.904	5.625	5.735	5.861	5.516	5.676	5.726	5.743	5.560	5.472	5.637
1429405	at	2010317E24Rik	AK008577	Mm.250293	2	5.269	5.581	5.155	5.511	5.521	5.325	5.446	5.481	5.461	5.369	5.568	5.259	5.583	5.498	5.503	5.381	5.572	5.071	5.716	5.425	5.427	5.217	5.447	5.398
1429406	at	Sloc6c1	AV254330	Mm.60362	1	7.113	6.869	7.166	6.909	6.903	6.945	7.033	6.809	6.893	6.867	6.981	6.870	6.810	7.098	6.873	6.966	6.967	6.972	6.974	7.178	7.040	6.811	6.977	6.993
1429407	at	Plex11c	AK007582	Mm.45279	8	7.908	8.284	7.945	7.917	8.090	7.833	7.943	8.253	8.193	8.052	8.058	8.231	8.071	8.112	7.813	7.861	7.982	7.694	7.985	7.751	8.040	8.000	7.689	7.792
1429408	at	Tbc1d21	AK007086	Mm.252761	9	4.932	4.464	4.435	4.567	4.484	4.471	4.491	4.537	4.513	4.502	4.612	4.366	4.449	4.480	4.345	4.615	4.571	4.495	4.529	4.529	4.727	4.576	4.652	4.576
1429409	at	Nlrp14	AK014932	Mm.35644	7	4.626	4.424	4.550	4.593	4.454	4.473	4.500	4.608	4.496	4.559	4.527	4.586	4.715	4.618	4.670	4.713	4.632	4.591	4.795	4.652	4.803	4.626	4.715	4.659
1429410	at	Envy2	AI595744	Mm.291828	15	7.827	7.616	8.291	7.913	7.918	8.610	8.327	8.121	7.513	7.683	7.897	7.681	7.974	7.913	8.298	8.416	7.803	8.697	8.979	9.027	8.366	8.591	8.460	8.498
1429411	a at	Envy2	AI595744	Mm.291828	15	9.445	9.968	9.291	9.138	9.207	8.961	9.308	9.488	9.622	9.445	9.261	9.497	9.070	9.350	9.302	8.975	9.282	9.108	8.987	8.849	9.382	9.389	8.963	8.835
1429412	at	Envy2	AI595744	Mm.291828	15	6.528	6.304	6.236	6.311	6.347	6.610	6.589	6.421	6.244	6.309	6.364	6.412	6.078	6.381	6.360	6.481	6.125	6.365	6.582	6.536	6.480	6.263	6.447	6.396
1429413	at	Cpm	AK017670	Mm.339332	10	8.123	8.353	8.300	8.232	8.478	8.241	7.973	8.580	8.288	8.328	8.661	8.081	8.181	8.420	8.222	8.459	8.165	7.936	8.005	8.209	8.080	8.103	7.747	8.658
1429414	at	D7ErtD443e	BB705593	Mm.334285	7	6.139	5.746	6.246	6.172	6.107	6.160	6.239	6.165	5.875	6.088	6.327	5.710	6.139	6.024	6.161	6.116	6.407	6.167	6.213	6.432	6.264	6.157	6.344	6.133
1429415	at	Ube3b3	AK001601	Mm.259898	2	6.399	6.530	6.787	6.625	6.545	6.787	6.447	6.858	6.745	6.809	6.522	6.848	6.838	6.824	6.838	6.824	6.838	6.824	6.838	6.824	6.838	6.824	6.838	6.824
1429416	at	Tc9b	AK013779	Mm.44095	7	6.416	6.139	6.259	6.462	6.033	6.345	6.392	6.377	6.315	6.152	6.354	6.361	6.397	6.011	6.268	6.298	6.217	6.555	6.204	4.494	6.586	6.211	4.517	6.449
1429417	at	Chs3y	AK019528	Mm.84007	18	3.792	4.070	3.658	3.674	3.967	3.737	3.818	3.675	4.745	4.365	3.960	4.044	4.256	4.199	3.783	3.618	3.503	3.548	3.703	3.654	3.581	3.385	3.590	3.593
1429418	at	Cdc14b	AK013229	Mm.25335	13	9.229	9.470	9.561	9.462	9.839	9.642	8.839	9.351	9.063	9.256	9.184	9.224	9.768	9.360	9.399	9.509	9.608	10.114	10.122	9.918	9.297	9.777	9.954	9.591
1429419	at	2310007A19Rik	AK009192	Mm.46405	3	5.412	5.382	5.200	5.182	5.115	5.256	5.162	5.128	5.196	5.104	5.121	5.317	5.301	5.156	5.062	4.953	5.382	5.163	5.104	4.914	5.188	5.170	5.111	4.873
1429420	at	4931414P19Rik	AK016457	Mm.79815	14	6.255	6.144	6.231	6.234	6.201	6.007	6.137	5.735	5.865	6.279	5.770	5.812	5.836	6.021	5.996	6.063	6.060	6.316	6.104	6.379	6.611	6.038	6.011	5.985
1429421	at	Accs	AK011867	Mm.86901	2	8.678	8.600	8.735	8.809	8.649	8.774	8.686	8.729	8.754	8.711	8.643	8.666	8.758	8.718	8.685	8.640	8.762	8.743	8.754	8.638	8.687	8.691	8.649	8.588
1429422	at	4933412E12Rik	AK016788	Mm.214134	10	6.584	6.555	6.743	6.696	6.607	6.743	6.786	6.435	6.767	6.916	6.663	6.754	6.597	6.697	6.676	6.712	6.349	6.612	6.641	6.571	6.420	6.394	6.643	6.633
1429423	at	181B15Rik	AK011867	Mm.86901	2	7.992	6.372	7.529	7.373	7.358	7.503	7.355	7.396	7.393	7.336	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396	7.396
1429424	at	Cst13	AK005665	Mm.46167	2	5.969	5.791	6.209	6.024	5.957	5.980	6.032	6.120	5.903	5.917	6.047	5.865	6.127	5.972	5.990	6.085	6.027	6.130	6.033	5.985	6.208	5.954	6.192	6.210
1429425	at	Rnf139	AK016137	Mm.4537	15	11.218	11.232	11.392	11.330	11.122	11.466	11.493	11.286	10.755	11.183	11.022	11.137	11.110	11.181	11.269	11.494	11.333	11.281	11.346	11.536	11.299	11.446	11.513	11.521
1429426	at	Rnf139	AK016137	Mm.4537	15	6.395	6.091	6.245	6.207	6.434	6.155	6.308	6.593	5.977	5.809	6.204	6.014	5.940	6.304	6.046	6.270	6.318	6.235	6.254	6.085	6.188	6.159	6.326	6.184
1429427	s at	Tcf7l2	BB175494	Mm.139815	19	6.645	6.939	6.862	7.101	6.970	7.039	7.038	6.394	6.837	7.036	6.451	7.217	6.624	6.884	6.807	6.946	6.836	6.854	6.677	6.562	6.458	7.135	6.458	6.776
1429428	s at	Pcmtd1	AK018402	Mm.21539	1	10.083	9.686	9.900	9.867	9.951	9.919	9.845	9.891	9.506	9.717	9.263	9.939	9.858	9.389	9.974	10.050	10.230	10.152	9.985	9.831	10.052	10.280	10.020	9.941
1429429	at	Ube3b3	AK001601	Mm.259898	2	6.399	6.530	6.787	6.625	6.545	6.787	6.447	6.858	6.745	6.809	6.522													

1429478	at	6720463M24Rik	AK0210138	Mm.23503	14	6.357	6.921	6.121	6.052	6.433	6.253	5.933	6.608	6.994	6.820	6.390	6.770	6.994	6.643	6.218	6.230	6.136	6.481	6.433	6.172	6.363	6.329	6.072		
1429479	at	Manef1	AK018285	Mm.86031	16	7.411	7.533	7.395	7.581	7.731	7.584	7.508	7.854	7.846	7.675	7.520	7.719	7.655	7.563	7.726	7.477	7.807	7.762	7.667	7.873	7.685	7.722	7.649	7.559	
1429480	at	Ddl1	AK005882	Mm.141452	9	5.324	4.934	5.086	5.214	4.982	5.134	5.041	5.198	5.182	4.920	5.230	5.038	5.013	5.219	4.996	5.020	5.074	5.309	5.099	5.390	5.223	5.145	5.184	4.926	
1429481	at	Nck2	AK014772	Mm.389903	1	4.434	4.214	4.644	4.564	4.508	4.374	4.386	4.260	4.397	4.301	4.367	4.410	4.524	4.490	4.312	4.445	4.471	4.312	4.421	4.538	4.604	4.421	4.485	4.419	
1429482	at	1700003H04Rik	AK005629	Mm.45144	3	4.476	4.305	4.549	4.532	4.483	4.427	4.557	4.473	4.628	4.431	4.577	4.786	4.588	4.536	4.517	4.559	4.478	4.538	4.577	4.562	4.746	4.501	4.550	4.489	
1429483	at	Calco2	BQ06699	Mm.296049	11	4.118	4.061	4.069	4.143	4.059	4.054	4.010	4.013	4.143	4.015	4.235	4.012	4.218	4.098	3.912	4.022	4.098	4.039	4.168	4.244	4.293	3.958	4.018	4.143	
1429484	at	Klf3c	BB752416	Mm.7688	12	7.959	7.909	7.602	7.752	7.782	7.507	7.434	7.606	8.119	8.082	7.616	8.141	8.030	7.879	7.681	7.740	7.689	7.465	7.702	7.719	7.654	7.580	7.917	7.647	
1429485	a	Utp11l	AK008801	Mm.259121	4	9.219	9.788	9.193	9.220	9.176	9.256	9.356	9.196	9.281	9.330	9.436	9.461	9.327	9.630	9.132	9.257	9.347	9.252	9.222	9.082	9.191	9.240	9.117	9.323	
1429486	at	Pfkfb2	AV256368	Mm.249861	1	10.024	8.988	10.192	10.346	9.599	10.143	10.007	8.850	8.669	9.193	8.800	9.104	9.033	8.904	8.740	10.254	9.425	9.573	9.471	9.648	9.625	9.516	10.002	9.495	
1429487	at	Ppdl1r12a	BI653999	Mm.422959	10	10.439	10.543	10.361	10.356	10.427	10.296	10.270	10.566	10.592	10.538	10.886	10.677	10.582	10.410	10.564	10.419	10.326	10.214	10.200	10.135	10.200	10.369	10.138	10.267	
1429488	at	Zdhhc21	AK017682	Mm.32047	4	7.884	8.373	7.982	7.931	8.068	8.140	8.111	8.102	8.008	8.281	8.484	8.252	8.045	8.296	7.881	7.855	7.953	7.846	7.949	7.669	7.759	8.191	8.225	7.954	
1429489	at	Rev01	AK012127	Mm.11116	10	8.425	8.578	8.302	8.478	8.296	8.366	8.261	8.488	8.341	8.174	8.369	8.420	8.267	8.247	8.248	8.252	8.630	8.551	8.393	8.383	8.489	8.673	8.337	8.257	
1429490	at	Rif1	AK018316	Mm.254530	2	4.036	3.934	3.874	3.745	3.805	3.955	3.882	3.983	3.700	3.823	3.809	3.722	3.662	3.738	3.788	3.847	3.920	3.847	3.586	3.758	4.311	4.150	3.968	3.875	
1429491	s	Rif1	AK018316	Mm.254530	2	9.308	9.254	9.292	9.137	9.142	9.365	9.281	9.044	8.580	9.057	9.017	8.932	8.867	8.997	9.096	9.415	9.286	9.017	9.182	9.160	9.845	9.482	9.271	9.446	
1429492	x	Ptdss2	AI596401	Mm.293591	7	5.336	5.739	5.372	5.653	5.598	5.478	5.629	5.344	5.586	5.516	5.317	5.641	5.617	5.480	5.555	5.533	5.675	5.544	5.454	5.617	5.534	5.585	5.549	5.489	
1429493	at	Mett14	BB701076	Mm.139146	17	5.637	5.535	5.812	5.580	5.725	5.980	5.711	5.568	5.735	5.867	5.986	5.850	5.698	5.815	5.760	5.733	5.762	5.803	5.736	5.862	5.688	5.795	5.658	5.608	
1429494	at	Trim35	AK020775	Mm.43871	14	7.529	7.940	6.857	7.309	7.711	7.324	7.273	7.882	7.963	7.610	7.571	7.843	7.920	7.483	7.595	7.289	8.063	7.713	7.471	7.399	7.796	8.027	7.332	6.835	
1429495	at	Tmem107	AV007348	Mm.33964	11	8.000	7.638	7.880	7.794	7.707	7.927	7.991	7.773	7.732	7.706	7.862	7.544	7.808	7.652	7.848	7.714	7.790	7.658	7.756	7.952	7.938	7.639	7.710	7.611	
1429496	x	Z300002M23Rik	AK009013	Mm.265291	17	5.446	5.090	5.314	5.244	5.160	5.128	5.201	5.237	5.135	5.158	4.569	4.981	5.208	5.182	5.280	5.324	5.247	5.185	5.181	5.330	5.321	5.139	5.221	5.111	
1429497	s	at	Snv6	BQ176329	Mm.28240	12	9.214	9.848	9.349	9.400	9.573	9.387	9.478	9.551	10.128	10.089	9.654	10.025	9.800	9.991	9.811	9.288	9.433	9.356	9.378	9.206	9.314	9.383	9.451	9.391
1429498	at	1810036N14Rik	AK005221	Mm.31537	18	5.848	5.458	5.978	5.818	5.766	5.731	5.933	5.736	5.596	5.583	5.466	5.707	5.830	5.660	5.641	5.743	5.912	5.684	5.725	5.757	5.846	5.920	5.947	5.750	
1429499	at	Fbxo5	AK011820	Mm.197520	10	6.648	6.291	6.549	6.625	7.152	6.605	6.825	8.039	7.892	7.664	7.847	7.054	6.878	7.915	7.372	6.838	6.749	6.627	6.652	6.725	6.788	6.569	6.544	6.408	
1429500	at	Ppm1a	C85630	Mm.261045	12	4.626	4.832	4.413	4.406	4.462	4.212	4.365	4.858	4.504	4.827	4.634	4.702	4.406	4.652	4.691	4.630	4.546	4.303	4.460	4.242	4.443	4.554	4.752	4.677	
1429501	s	at	C85630	Mm.261045	12	7.446	7.455	7.755	7.276	7.110	7.166	7.374	7.345	7.188	7.728	7.736	7.399	7.324	7.476	7.499	7.567	6.955	6.992	7.163	7.177	7.100	7.076	7.495	7.826	
1429502	at	Hspa13	BE533039	Mm.26704	16	6.267	6.953	6.186	6.117	6.160	6.332	6.226	6.019	6.216	6.515	6.308	5.942	6.025	6.318	6.105	6.448	5.915	5.995	6.250	6.406	5.944	6.102	6.216	6.291	
1429503	at	Z9000024C23Rik	AK013580	Mm.475894	5	7.813	8.468	7.938	7.985	7.984	8.205	8.304	7.529	8.514	8.456	7.834	8.440	8.427	8.463	8.011	7.926	7.950	7.894	8.181	7.578	7.637	7.921	7.413	7.695	
1429504	at	Z9000024E13Rik	AK013580	Mm.475894	3	7.813	8.468	7.938	7.985	7.984	8.205	8.304	7.529	8.514	8.456	7.834	8.440	8.427	8.463	8.011	7.926	7.950	7.894	8.181	7.578	7.637	7.921	7.413	7.695	
1429505	at	Z310076G13Rik	AK010199	Mm.376247	9	10.828	10.778	10.877	10.945	11.007	11.004	11.077	11.032	11.009	11.067	11.020	11.645	11.182	11.366	10.846	11.122	10.966	10.922	10.874	10.638	11.161	10.822	10.905	10.922	10.957
1429506	at	Nkd1	AK020249	Mm.30219	8	6.514	6.375	6.304	6.628	6.703	6.862	6.690	6.503	6.933	6.984	6.715	6.746	6.940	6.760	6.676	6.306	6.990	6.729	6.925	6.302	6.841	6.605	6.921	6.638	
1429507	at	Nkr1	AK020249	Mm.30219	8	7.608	7.278	7.612	7.757	7.436	7.389	7.435	7.638	7.515	7.440	7.711	7.500	7.521	7.389	7.392	7.640	7.840	7.696	7.504	7.597	7.675	7.744	7.588	7.536	
1429508	at	Z310057M21Rik	AW555676	Mm.121122	7	9.556	9.882	9.370	8.851	9.222	9.053	9.184	9.902	9.864	9.862	10.722	9.738	9.651	9.817	10.294	9.482	8.908	8.975	9.112	8.735	9.215	9.208	9.198	9.496	
1429509	at	Lsm12	Mm.259079	11	8.662	8.485	8.729	8.679	8.890	8.857	8.686	8.872	8.190	8.586	8.714	8.262	8.308	8.528	8.518	8.755	8.220	8.453	8.623	8.710	8.215	8.289	8.578	8.916	9.160	
1429510	at	Z810041L24Rik	AK013071	Mm.269766	11	6.364	6.498	6.765	6.751	6.541	6.724	6.544	6.679	6.769	6.793	6.590	6.811	6.830	6.842	7.030	6.779	7.057	7.062	6.909	7.062	6.644	6.645	6.587	6.709	
1429511	at	4933402E13Rik	AK016614	Mm.85792	X	4.434	4.453	4.431	4.540	4.558	4.468	4.390	4.570	4.457	4.245	4.543	4.369	4.356	4.567	4.557	4.284	4.350	4.571	4.503	4.277	4.536	4.447	4.759	4.508	
1429512	at	Z9000024E13Rik	AK016614	Mm.85792	11	6.595	6.639	6.772	6.606	6.593	6.694	6.642	6.596	6.637	6.519	6.562	6.507	6.527	6.493	6.534	6.539	6.482	6.539	6.539	6.539	6.539	6.539	6.539	6.539	
1429513	at	Z9000024E13Rik	AK006132	Mm.46121	12	4.905	4.702	4.729	4.823	4.698	4.871	4.802	4.811	4.857	4.805	4.564	4.825	4.817	4.885	4.624	4.981	4.864	4.879	4.840	5.052	4.865	4.988	4.720	4.798	
1429514	at	Ppaap2	AW111876	Mm.348326	4	10.962	11.015	11.072	11.191	11.103	11.439	11.242	10.680	10.937	11.273	11.006	11.322	11.227	11.076	11.188	11.168	11.017	11.297	11.446	11.139	10.744	10.634	10.800	11.152	
1429515	at	Ubr2	AK018693	Mm.28234	17	10.550	10.044	10.638	10.849	10.501	10.726	10.422	10.257	9.835	10.091	9.856	10.375	10.206	9.875	10.376	10.737	10.926	10.826	10.649	10.853	10.837	10.867	10.921	10.881	
1429516	at	Ubr2	AK018693	Mm.28234	17	7.154	6.732	6.903	7.186	7.007	7.087	7.002	6.965	6.426	6.661	6.162	7.081	6.804	6.530	6.637	7.034	7.484	7.222	7.090	7.184	7.407	7.442	7.229	7.126	
1429517	at	Zlfve20	BC017622	Mm.290734	6	5.824	5.963	5.416	5.762	5.785	5.602	5.553	5.776	5.830	5.510	5.972	5.598	5.849	5.731	5.402	5.518	5.797	5.880	5.685	5.728	6.004	5.815	5.742	5.450	
1429518	at	Faim2	AK013476	Mm.39760	15	8.265																								

1429567	at	Rassf10	BB832200	Mm.349943	7	5.609	5.469	5.584	5.472	5.565	5.478	5.609	5.516	5.517	5.219	5.321	5.557	5.483	5.458	5.578	5.614	5.584	5.524	5.526	5.807	5.825	5.895	5.799	5.523	
1429568	x at	Ube2f	AK007937	Mm.337238	1	9.798	10.310	9.955	9.833	9.987	9.923	10.000	10.128	10.246	10.193	10.380	10.195	10.157	10.127	9.925	9.949	9.751	10.043	10.029	9.864	9.785	9.794	9.844	9.888	
1429569	a at	Ccdc46	AW741712	Mm.344071	11	4.450	4.411	4.430	4.402	4.460	4.382	4.538	4.372	4.325	4.508	4.424	4.416	4.310	4.323	4.483	4.248	4.490	4.491	4.435	4.489	4.540	4.474	4.397	4.472	
1429570	at	Mkl	AK018636	Mm.207971	8	6.656	7.865	6.578	6.405	6.821	6.722	6.850	7.228	7.038	6.913	7.483	6.829	6.836	7.580	6.921	6.444	6.280	6.275	6.651	6.537	6.408	6.265	6.377	6.179	
1429571	at	Spaca1	AK000487	Mm.65948	4	4.481	4.874	4.604	4.620	4.557	4.657	4.451	4.506	4.812	4.428	4.326	4.366	4.548	4.792	4.465	4.402	4.402	4.459	4.597	4.511	4.403	4.546	4.519	4.454	
1429572	at	Nsun7	AK014968	Mm.23166	5	6.649	6.326	6.357	6.388	6.246	6.593	6.582	6.530	6.213	6.263	6.405	6.211	6.380	6.273	6.422	6.578	6.472	6.290	6.541	6.670	6.507	6.382	6.447	6.506	
1429573	at	Dmrt1c1a	AK014934	Mm.29672	X	7.184	6.756	7.135	7.045	7.013	6.987	7.047	7.071	6.922	7.006	7.007	7.037	7.010	7.130	6.875	7.178	6.993	7.108	7.030	7.010	7.147	6.966	7.176	7.154	
1429574	at	Clic3	AK009020	Mm.44194	2	5.292	5.757	5.523	5.382	5.733	5.771	5.371	5.627	5.830	5.575	5.693	5.915	5.885	5.484	5.482	5.371	5.740	5.371	5.308	5.647	5.255	5.312	5.442	5.566	
1429575	at	NA	AK014595	NA	NA	6.278	5.868	6.097	6.178	5.873	5.081	5.843	6.080	6.086	5.928	6.292	5.896	6.101	5.799	6.052	5.999	6.170	6.069	6.107	6.196	6.207	6.047	6.169	6.053	
1429576	at	Ms4a13	AK006841	Mm.272723	19	6.857	6.481	6.827	6.818	6.605	6.808	6.828	6.779	6.584	6.763	6.875	6.846	6.857	6.900	6.764	6.854	6.699	6.836	6.954	6.906	6.871	6.833	6.855	6.797	
1429577	at	Iqcf4	AK006688	Mm.354341	9	6.167	6.026	6.078	6.183	6.064	6.059	6.033	6.301	6.328	6.158	6.177	6.097	6.270	6.117	6.342	6.249	6.246	6.032	6.084	5.979	6.190	6.098	6.411	5.895	
1429578	at	170004014K1Rik	AK006746	Mm.390750	14	5.486	5.187	5.351	5.370	5.313	5.470	5.074	5.290	5.300	4.993	5.205	4.929	5.018	5.178	5.264	5.295	5.325	5.299	5.574	5.335	5.353	5.434	5.317	5.477	
1429579	at	633040711Rik	BB266893	Mm.91240	9	7.573	7.559	7.495	7.525	7.579	7.570	7.958	7.942	7.476	7.717	7.519	7.660	7.493	7.586	7.540	7.528	7.529	7.475	7.286	7.508	7.756	7.655	7.608	7.494	
1429580	x at	5133400G0ARik	AK016341	Mm.151498	18	6.961	7.020	6.815	6.879	6.886	6.644	6.593	6.796	6.887	6.811	6.811	6.754	6.897	6.835	6.682	7.024	6.642	6.706	6.773	6.776	6.787	6.530	6.377	6.807	
1429581	at	Aca9d	AV235115	Mm.260997	3	8.690	8.671	8.961	8.936	8.843	9.146	8.975	8.739	8.274	8.785	8.624	8.770	8.557	8.842	8.934	8.989	8.816	8.926	8.955	9.163	8.947	9.051	8.982	9.383	
1429582	at	Btbtd14a	BB360604	Mm.131074	2	9.192	9.333	9.035	9.280	9.282	9.122	9.056	9.055	9.269	9.394	8.872	9.250	9.203	9.150	8.992	9.204	8.979	8.868	8.998	8.685	8.835	8.967	8.787	9.169	
1429583	at	2900053A13Rik	BE865033	Mm.254898	8	6.803	7.328	7.252	7.283	7.074	7.095	7.192	7.264	6.741	7.127	6.931	7.146	6.832	7.022	6.891	6.948	7.040	7.150	7.236	7.133	6.946	6.922	6.795	7.182	
1429584	at	Myrn	BF682874	Mm.200378	3	8.021	7.993	8.132	8.082	8.124	8.086	8.106	7.936	8.187	8.042	8.055	8.039	8.070	8.104	8.101	8.196	8.047	8.051	8.161	8.149	8.050	8.019	8.138	8.130	
1429585	s at	Myrn	BF682874	Mm.200378	3	8.437	8.384	8.840	8.633	8.455	8.690	8.602	8.173	8.195	8.472	8.101	8.463	8.264	8.468	8.528	8.887	8.662	8.650	8.756	8.690	8.542	8.549	8.615	8.646	
1429586	at	493058BN01Rik	BB225776	Mm.246010	7	6.512	6.527	6.511	6.561	6.564	6.528	6.556	6.607	6.452	6.363	6.629	6.607	6.675	6.497	6.454	6.491	6.914	6.625	6.657	6.662	6.491	6.546	6.600	6.424	
1429587	at	Rbm34	AK016057	Mm.28199	8	6.947	7.464	6.850	6.850	6.878	6.944	6.936	6.879	7.163	7.131	7.083	7.136	7.007	7.342	6.889	6.901	7.004	6.942	6.961	6.483	6.762	6.748	6.535	6.639	
1429588	at	2810474O19Rik	AA509870	Mm.333515	6	10.052	11.001	10.087	9.682	10.886	9.807	9.789	10.129	10.753	10.519	11.036	9.999	9.952	9.912	9.972	10.105	8.770	9.532	9.326	9.230	9.766	9.983	10.380	10.396	
1429589	at	Gad2	BB131853	Mm.4784	2	4.568	4.245	4.335	4.331	4.339	4.287	4.424	4.340	4.214	4.210	4.282	4.129	4.339	4.197	4.225	4.278	4.235	4.281	4.368	4.438	4.244	4.355	4.368	4.273	
1429590	at	Tacc1	BE862546	Mm.308452	8	10.003	10.068	10.059	10.122	10.411	10.170	9.940	9.726	10.246	10.230	10.223	10.197	10.341	10.154	10.333	10.000	9.466	9.904	10.073	10.043	10.057	9.641	10.255	10.330	
1429591	at	Tacc1	BE862546	Mm.308452	8	6.393	6.532	6.586	6.482	6.461	6.395	6.415	6.497	6.688	6.600	6.613	6.436	6.506	6.729	6.808	6.586	6.281	6.399	6.577	6.736	6.346	6.446	6.715	6.605	
1429592	at	Lhnf3	BB274911	Mm.371712	5	4.569	4.300	4.456	4.528	4.450	4.252	4.472	4.455	4.302	4.448	4.486	4.335	4.498	4.418	4.256	4.388	4.402	4.419	4.335	4.264	4.508	4.502	4.339	4.511	
1429593	at	Slc35a3	AK003824	Mm.153030	15	10.059	10.340	10.059	10.059	10.116	10.373	10.080	10.100	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080	10.080
1429594	at	Slc35a3	AK003824	Mm.153030	15	8.074	7.989	7.992	7.575	7.651	7.581	8.270	7.982	7.442	7.589	7.795	7.555	7.551	7.481	7.709	7.551	7.551	7.551	7.551	7.551	7.551	7.551	7.551	7.551	7.551
1429595	at	2700049A03Rik	AK012399	Mm.87290	12	8.181	8.261	8.181	8.439	8.267	8.137	8.259	8.266	8.295	8.054	8.124	8.288	8.145	8.154	7.974	8.352	8.460	8.239	8.168	8.189	8.198	8.358	7.958	8.033	
1429596	at	Slc7a6os	AK010254	Mm.269029	8	6.591	6.954	6.377	6.548	6.737	6.489	6.590	6.412	6.663	6.809	6.698	6.649	6.492	6.818	6.607	6.618	6.573	6.609	6.568	6.494	6.428	6.690	6.631	6.644	
1429597	at	Dppa4	BB067210	Mm.35597	16	5.842	5.696	5.959	5.787	5.709	5.654	5.841	6.008	5.725	5.694	5.335	5.772	5.626	5.749	5.774	5.751	6.029	5.763	5.680	5.838	5.768	5.809	5.803	5.976	
1429598	at	2310042D19Rik	AK009747	Mm.431343	4	11.239	10.462	11.363	11.283	10.815	10.940	11.020	10.516	9.579	10.361	10.655	10.516	10.083	10.119	10.513	11.321	11.100	11.267	11.136	11.169	10.930	11.255	11.282		
1429599	a at	1110019K23Rik	AK003824	Mm.153030	5	7.652	7.498	7.722	7.312	7.611	7.325	7.438	7.380	7.560	7.972	7.546	8.051	7.779	7.390	7.735	7.662	7.751	7.682	7.636	7.584	7.701	7.804	7.748	7.492	
1429600	at	1110019K23Rik	AK003824	Mm.153030	5	5.141	5.148	5.152	5.063	4.985	5.262	5.011	4.846	4.862	5.198	5.084	5.385	5.082	4.851	5.081	5.281	5.154	5.225	5.161	5.281	4.920	4.957	5.001	5.267	
1429601	x at	1110019K23Rik	AK003824	Mm.153030	5	6.947	6.957	6.960	6.899	6.026	6.957	6.015	6.392	6.732	6.656	6.700	6.956	6.644	6.956	6.644	6.956	6.644	6.956	6.644	6.956	6.644	6.956	6.644	6.956	
1429602	at	Cd16a42	AK009888	Mm.285685	4	5.981	5.681	5.744	6.018	5.865	5.546	5.739	5.724	6.138	5.785	5.685	5.759	5.653	5.705	5.750	5.872	5.693	5.728	5.842	5.737	5.788	5.806	5.836	5.759	
1429603	at	2610110G12Rik	AK002569	Mm.273155	17	6.554	6.285	6.417	6.363	6.515	6.427	6.412	6.300	6.617	6.343	6.367	6.459	6.344	6.444	6.253	6.315	6.401	6.414	6.471	6.342	6.436	6.298	6.646	6.029	
1429604	at	1810011H11Rik	BB784910	Mm.261609	14	5.424	5.954	4.897	5.384	5.607	5.052	5.380	5.549	5.752	5.726	5.475	5.629	5.635	5.709	5.330	5.143	5.426	5.081	5.237	5.238	5.258	5.344	5.033	5.317	
1429605	at	Ankrf7	AV042608	Mm.67665	6	4.521	4.306	4.272	4.349	4.250	4.369	4.386	4.126	4.340	4.339	4.384	4.222	4.469	4.277	4.298	4.275	4.358	4.375	4.404	4.611	4.330	4.432	4.777	4.349	
1429606	at	Ublcp2	AI648250	Mm.338784	11	6.524	6.620	6.486	6.523	6.307	6.637	6.402	6.412	6.084	6.272	6.486	6.533	6.437	6.466	6.669	6.431	6.611	6.711	6.494	6.572	6.254	6.574	6.457	6.362	
1429607	at	Trak2	AK014647	Mm.222887																										

1429656	at	Rhobtb1	BB041370	Mm.26659	10	10.988	9.581	10.437	10.749	10.827	10.472	10.109	10.018	9.264	9.765	9.310	10.284	9.923	9.259	10.593	10.491	9.865	9.625	9.481	9.806	11.156	11.371	11.546	11.197	
1429657	at	Zfand5	AW044928	Mm.292405	19	5.666	5.428	5.538	5.442	5.358	5.485	5.662	5.508	5.164	5.340	5.322	5.529	5.386	5.258	5.338	5.532	5.648	5.717	5.300	5.340	5.340	5.555	5.389	5.366	
1429658	a at	Smc2	BI684556	Mm.2999	4	6.827	8.962	6.715	6.953	7.403	7.098	7.170	8.335	8.053	7.833	7.902	7.122	7.188	8.297	7.587	6.720	6.566	6.884	6.450	6.696	6.729	6.908	6.826	6.926	
1429659	at	Smc2	BI684556	Mm.2999	4	5.830	5.573	5.251	5.378	5.412	5.402	5.279	5.312	5.520	5.662	5.245	5.656	5.353	5.440	6.099	5.403	5.409	5.381	5.187	5.407	5.309	5.352	5.117	5.396	
1429660	s at	Rhobtb3	BB041370	Mm.26659	10	10.988	9.581	10.437	10.749	10.827	10.472	10.109	10.018	9.264	9.765	9.310	10.284	9.923	9.259	10.593	10.491	9.865	9.625	9.481	9.806	11.156	11.371	11.546	11.197	
1429661	at	Rhobtb3	BB0801497	Mm.276200	13	6.131	5.986	6.376	6.173	6.187	6.435	6.242	6.108	6.151	6.168	5.964	6.282	6.005	6.948	6.347	6.238	6.273	6.141	6.292	6.150	6.141	6.505	6.232	6.459	
1429662	at	Spatal1	AK015003	Mm.383235	3	6.115	6.314	6.349	6.114	6.195	6.259	6.003	6.163	6.411	6.196	5.976	6.222	6.396	5.838	6.263	6.157	6.223	6.403	6.133	6.335	6.166	6.571	6.442	5.951	
1429663	at	Katnal2	AK014074	Mm.35803	18	5.743	5.389	5.683	5.687	5.569	5.412	5.476	5.642	5.584	5.530	5.627	5.628	5.514	5.554	5.674	5.801	5.808	5.605	5.464	5.654	5.720	6.019	5.550	5.652	
1429664	at	Cdk11	AI464135	Mm.132325	12	6.734	6.639	6.923	7.038	6.747	6.589	6.874	7.222	6.632	6.149	6.732	6.696	6.711	6.540	6.738	6.741	7.178	6.966	6.789	6.646	7.170	6.830	6.673	6.731	
1429665	at	6230416J20Rik	BB794620	Mm.74730	4	4.660	5.243	4.895	4.877	4.799	4.879	4.859	4.903	4.365	4.660	4.553	4.680	4.682	4.934	4.714	4.749	4.894	4.594	4.538	4.534	4.480	5.039	4.816	4.758	
1429666	at	Kctd16	AV208947	Mm.441493	18	6.522	6.485	6.569	6.438	6.391	6.612	6.480	6.734	6.445	6.647	6.906	6.337	6.548	6.592	6.771	6.526	6.661	6.723	6.615	6.485	6.596	6.646	6.636	6.838	
1429667	at	Pou4f1	BB465134	Mm.246550	14	5.796	5.822	5.811	5.868	5.728	5.864	5.839	5.852	5.675	5.875	5.816	5.869	5.701	5.635	5.636	5.814	5.852	6.185	5.774	5.921	5.982	5.988	5.783	5.817	
1429668	at	Pou4f1	BB465134	Mm.246550	14	4.375	4.277	4.575	4.393	4.313	4.378	4.371	4.290	4.312	4.274	4.455	4.131	4.220	4.226	4.282	4.356	4.373	4.588	4.518	4.763	4.454	4.452	4.365	4.330	
1429669	at	4930488L21Rik	AK015647	NA	8	6.492	6.108	6.346	6.307	6.164	6.204	6.243	6.090	6.205	6.163	6.172	6.166	6.404	6.115	6.573	6.254	6.230	6.410	6.461	6.392	6.436	6.148	6.443	6.273	
1429670	a at	Cep97	BB321286	Mm.178427	16	6.808	6.267	6.671	6.481	6.527	6.483	6.498	6.759	6.636	6.455	6.648	6.447	6.689	6.568	6.713	6.660	6.570	6.575	6.807	6.556	6.537	6.618	6.678	6.644	
1429671	at	2410018M08Rik	AK010551	Mm.422716	5	7.143	7.165	6.770	7.023	7.184	7.206	7.070	7.406	7.316	7.065	7.374	7.202	7.268	7.261	7.425	7.149	7.048	6.680	6.987	7.033	6.929	6.839	6.904	6.850	
1429672	at	5830407E08Rik	BB234837	Mm.446542	2	6.638	6.510	6.914	6.544	6.552	6.609	6.954	6.501	6.518	6.662	6.604	6.238	6.543	6.557	6.873	6.898	6.761	6.692	6.773	6.980	6.671	6.640	6.481	6.707	
1429673	at	5830407E08Rik	BB234837	Mm.446542	2	6.428	6.472	6.441	6.555	6.668	6.391	6.361	6.460	6.728	6.856	6.681	6.597	6.406	6.715	6.653	6.682	6.515	6.304	6.561	6.794	6.817	6.491	6.455	6.639	
1429674	at	1700131H08Rik	AK007195	Mm.78423	10	6.658	6.488	6.414	6.528	6.277	6.443	6.471	6.412	6.577	6.690	6.802	6.497	6.463	6.575	6.609	6.679	6.695	6.648	6.552	6.706	6.562	6.572	6.619	6.610	
1429675	at	1700203A16Rik	AK006257	Mm.252733	6	4.202	4.055	4.267	4.112	4.042	4.064	4.173	4.069	4.103	4.054	4.081	4.006	4.020	3.849	4.078	4.150	4.064	4.055	4.050	4.065	3.981	4.163	3.973	4.040	
1429676	at	NA	AK008862	NA	NA	6.814	5.757	5.994	7.826	6.270	7.760	8.131	7.862	7.451	7.460	7.732	7.493	7.537	7.653	7.531	8.060	8.080	7.712	7.799	7.895	8.056	7.784	7.896	7.963	
1429677	at	1700056E22Rik	AK006811	Mm.50115	1	5.237	5.440	5.226	5.440	5.513	5.299	5.118	5.418	5.392	5.343	5.250	5.345	5.198	5.169	5.538	5.191	5.694	5.403	5.405	5.335	5.456	5.494	5.540	5.082	
1429678	at	5730508B09Rik	AK017758	Mm.317049	3	8.557	8.563	8.460	8.500	8.410	8.537	8.525	8.382	8.559	8.587	8.644	8.298	8.503	8.753	8.409	8.632	8.425	8.362	8.584	8.499	8.456	8.485	8.518	8.266	
1429679	at	Lrrc17	BB503935	Mm.439963	5	5.478	6.796	5.324	5.741	6.398	6.044	5.747	5.395	7.448	6.978	5.190	6.075	6.457	7.015	6.091	5.307	5.399	5.681	5.918	5.539	5.343	5.416	5.273	5.127	
1429680	at	Trfa2	BF466228	Mm.196598	6	8.359	8.175	8.250	8.345	8.298	8.296	8.188	8.123	8.336	8.152	8.066	8.284	8.091	8.073	8.165	8.341	8.364	8.149	8.185	8.249	8.482	8.212	8.543	8.250	
1429681	a at	Gsn2	AK020708	Mm.352239	8	13.168	12.493	13.323	13.596	12.850	13.320	13.086	12.963	11.920	12.244	12.790	12.846	12.633	12.222	12.920	13.331	13.291	13.333	13.143	13.320	13.408	13.221	13.168	13.218	
1429682	at	Tspan1	CG094398	Mm.89828	3	6.479	6.547	6.142	6.163	6.245	6.130	6.122	6.349	6.274	6.083	6.149	6.252	6.389	6.282	6.389	6.282	6.389	6.282	6.007	6.289	6.262	6.007	6.289	6.324	
1429683	at	Tspan1	CG094398	Mm.89828	3	6.177	6.055	5.870	5.192	5.442	5.812	6.139	5.869	6.090	5.944	5.703	5.893	5.192	5.898	5.192	5.898	5.192	5.898	5.192	5.898	5.192	5.898	5.192	5.898	
1429684	at	Tspan1	CG094398	Mm.89828	2	7.477	7.362	7.464	7.527	7.489	7.430	7.697	7.351	7.250	7.360	7.499	7.233	7.366	7.332	7.469	7.472	7.471	7.420	7.503	7.745	7.406	7.295	7.699	7.471	
1429685	at	Gabbr2	BB313857	Mm.338723	11	4.494	4.650	4.550	4.678	4.616	4.585	4.350	4.541	4.494	4.378	4.395	4.569	4.531	4.577	4.547	4.439	4.647	4.486	4.705	4.660	4.705	5.076	4.907	4.757	
1429686	at	Polr3f	BBQ70811	Mm.389351	2	7.438	7.196	7.512	7.303	7.546	7.324	7.319	7.362	7.469	7.383	7.609	7.220	7.340	7.409	7.706	7.516	7.381	7.409	7.477	7.659	7.653	7.443	7.761	7.724	
1429687	at	Cox7b2	BB615400	Mm.60690	5	4.996	4.530	4.804	4.814	4.824	4.862	4.812	4.785	4.624	4.675	4.764	4.633	4.675	4.710	4.476	4.718	5.025	5.135	4.679	4.860	4.778	5.056	4.925	4.987	
1429688	at	Arnt1	BB713508	Mm.335300	6	4.702	4.671	4.453	4.998	4.924	4.898	4.736	4.837	5.039	4.951	5.140	4.734	4.918	4.795	5.059	4.898	4.832	4.432	4.636	4.764	4.996	4.788	4.850	4.626	4.865
1429689	at	4932433N03Rik	AK016544	Mm.458268	9	6.419	6.310	6.379	6.414	6.436	6.616	6.543	6.306	6.155	6.348	6.083	6.255	6.294	6.553	6.343	6.298	6.244	6.248	6.427	6.611	6.260	6.578	6.382	6.695	
1429690	at	4932433N03Rik	AK016544	Mm.458268	9	6.419	6.310	6.379	6.414	6.436	6.616	6.543	6.306	6.155	6.348	6.083	6.255	6.294	6.553	6.343	6.298	6.244	6.248	6.427	6.611	6.260	6.578	6.382	6.695	
1429691	at	Ptncr	AK017277	Mm.431266	14	5.960	6.797	5.842	6.798	6.607	6.866	5.962	7.228	5.505	5.781	5.707	7.223	5.986	5.498	6.028	5.916	6.132	5.940	5.794	5.836	6.171	6.238	5.993	5.859	
1429692	s at	Gch3	BB698398	Mm.10651	14	7.804	7.340	7.848	7.647	7.539	7.453	7.740	7.200	7.029	7.360	7.826	7.194	7.337	7.400	7.930	7.138	7.423	7.422	7.402	7.272	7.717	7.117	8.006	7.930	
1429693	at	Dab2	AK017619	Mm.240830	15	7.655	8.338	7.602	7.756	7.761	7.883	7.982	8.221	8.762	8.762	8.461	8.380	8.343	8.806	8.069	7.640	7.627	7.514	7.810	7.730	7.777	7.984	7.848	8.156	
1429694	at	4930402H24Rik	AK015050	Mm.271990	2	7.519	7.546	7.722	7.605	7.679	7.823	7.818	8.081	7.647	7.503	7.318	7.982	7.887	7.703	7.916	7.491	8.227	7.785	7.865	8.006	7.792	8.468	7.690	7.443	
1429695	at	Izumo1	AK006830	Mm.380445	7	6.282	6.245	6.406	6.380	6.135	6.256	6.341	6.390	6.532	6.076	6.385	6.331	6.257	6.310	6.426	6.164	6.464	6.361	6.199	6.444	6.320	6.321	6.405	6.422	6.376
1429696	at	Gpr123	BE946247	Mm.39863	7	6.248	5.918	5.951	6.154	5.845																				

1429745	at	DXBay18	AK005439	MM.422935	X	4.071	3.971	4.348	4.147	4.095	4.129	4.157	4.118	4.001	4.146	4.159	3.998	4.125	4.147	4.122	4.237	3.993	4.513	4.253	4.378	4.327	4.100	4.132	4.174
1429746	at	1700007106Rik	AK005716	MM.288704	11	5.300	5.445	5.611	5.687	5.196	5.646	5.412	5.309	5.209	5.131	5.217	5.346	5.490	5.366	5.439	5.596	5.389	5.638	5.464	5.428	5.488	5.340	5.455	5.480
1429747	at	1700009N14Rik	AK005799	MM.23522	4	5.943	5.842	5.997	5.746	5.776	5.747	5.887	5.869	6.000	5.881	5.998	5.836	5.833	5.988	6.049	5.865	5.829	5.751	5.855	5.982	5.960	5.802	5.897	5.785
1429748	at	Ok	AK012373	MM.384135	17	5.246	5.243	5.443	5.993	5.282	5.104	5.236	5.389	4.966	5.098	5.402	4.914	5.366	4.881	4.883	5.503	5.402	5.758	5.666	5.459	5.461	5.314	5.345	5.343
1429749	at	9330180L21Rik	AK020390	MM.383254	14	7.484	7.585	7.561	7.546	7.741	7.432	7.711	7.551	7.540	7.402	7.245	7.473	7.497	7.395	7.601	7.637	7.453	7.553	7.583	7.581	7.262	7.263	7.363	
1429750	at	Minnp1	AK017558	MM.255116	19	5.445	5.350	5.558	5.306	5.373	5.385	5.512	5.278	5.246	5.397	5.516	5.168	5.382	5.514	5.557	5.483	5.127	5.420	5.478	5.647	5.295	5.151	5.580	
1429751	at	Zswim2	AK006367	MM.116957	2	5.668	5.328	5.520	5.529	5.473	5.533	5.682	5.550	5.398	5.418	5.953	5.378	5.438	5.484	5.570	5.592	5.577	5.507	5.708	5.751	5.472	5.510	5.526	
1429752	x	at	Clip4	AV273445	MM.196382	17	11.264	11.254	11.153	11.405	11.488	11.212	11.133	11.432	11.209	11.180	11.235	11.545	11.466	11.156	11.204	11.183	11.479	11.476	11.452	11.314	11.451	11.484	11.104
1429753	at	Nxph4	AK004130	MM.437200	10	8.614	8.354	8.636	8.752	8.534	8.576	8.631	8.545	8.554	8.476	8.638	8.423	8.642	8.607	8.731	8.582	8.510	8.516	8.691	8.814	8.675	8.815	8.605	8.797
1429754	a	at	100042286	AV279187	MM.396182	14	4.101	3.741	3.937	3.898	3.790	3.917	3.860	3.765	3.877	3.764	3.978	3.779	3.776	3.738	3.952	3.965	3.920	3.912	3.878	3.872	3.908	3.899	3.876
1429755	a	at	100042286	AV279187	MM.396182	14	6.054	6.041	5.990	6.105	5.915	6.084	6.019	5.852	6.156	5.952	6.137	6.040	6.083	6.091	6.023	5.862	5.953	5.939	6.034	6.108	6.059	6.006	5.897
1429756	at	4931428F04Rik	AK016481	MM.204876	8	6.375	6.279	6.132	6.325	6.178	6.259	6.315	6.448	6.338	6.334	6.292	6.451	6.436	6.299	6.047	6.171	6.509	6.395	6.243	6.226	6.372	6.290	6.202	
1429757	at	1700094C09Rik	AK018926	MM.116871	8	4.331	4.175	4.358	4.485	4.446	4.519	4.385	4.442	4.122	4.201	4.504	4.444	4.479	4.272	4.435	4.472	4.583	4.453	4.331	4.675	4.444	4.405	4.430	
1429758	at	14-Sep	BB046208	MM.428905	9	8.202	8.559	8.020	8.264	8.359	8.045	7.875	8.175	8.680	8.358	8.598	8.415	8.364	8.481	8.264	8.163	7.947	8.170	8.243	8.066	8.273	8.082	8.164	8.400
1429759	at	Rps6ka6	BB449218	MM.37617	X	5.776	5.862	6.271	5.836	5.869	6.139	6.025	6.040	5.710	5.865	6.293	6.020	6.012	5.783	6.293	6.151	5.683	6.101	6.247	5.912	6.202	6.355	6.160	
1429760	at	Rps6ka6	BB449218	MM.37617	X	4.880	4.627	4.930	4.941	4.717	4.804	4.767	4.913	4.886	4.750	4.885	4.695	4.760	4.804	4.882	4.936	4.800	5.016	5.002	4.741	5.104	4.734	4.911	
1429761	at	Rtn1	BF455257	MM.221275	12	7.631	7.607	7.435	7.395	7.624	7.344	7.400	7.704	7.511	7.220	7.496	7.532	7.621	7.625	7.442	7.440	7.951	7.733	7.567	7.675	7.647	7.595	7.352	
1429762	a	at	Bbs5	AV260123	MM.252136	2	7.333	7.772	7.319	7.426	7.533	7.285	7.295	7.299	7.706	7.628	7.707	7.106	7.668	7.726	7.416	7.351	7.332	7.487	7.291	7.474	7.265	7.208	
1429763	at	Cn1h4	AW547258	MM.38229	1	11.401	12.047	11.384	11.128	11.465	11.375	11.394	11.705	11.810	11.795	11.592	11.743	11.760	11.757	11.557	11.231	11.519	11.467	11.374	11.391	11.216	11.317	11.317	
1429764	at	1500005K14Rik	BF101721	MM.34131	11	9.442	9.743	9.332	9.476	10.392	9.429	9.533	10.543	10.388	10.337	10.255	11.237	11.058	9.810	10.314	9.248	10.003	10.035	9.718	9.736	9.819	9.847	9.477	
1429765	at	BB00005K14Rik	BF101721	MM.34131	11	7.396	7.502	7.430	7.598	7.617	7.370	7.403	7.494	7.785	7.663	7.322	7.709	7.709	7.623	7.734	7.532	7.367	7.475	7.592	7.510	7.464	7.271	7.536	
1429766	at	2810013P06Rik	BM246000	MM.294938	8	7.173	6.833	7.262	7.290	7.224	7.360	7.338	7.322	6.768	6.815	6.792	7.256	7.302	6.993	6.996	7.333	7.837	7.691	7.351	7.303	7.444	7.655	7.487	
1429767	at	2810013P06Rik	BM246000	MM.294938	8	6.373	6.033	6.524	6.601	6.229	6.512	6.515	6.317	6.034	6.120	5.699	6.082	6.297	6.277	6.088	6.506	6.728	6.991	6.582	6.818	6.579	6.730	6.585	
1429768	at	Dtna	BB355121	MM.94371	18	8.065	8.727	7.761	7.827	8.194	8.293	8.083	8.439	8.417	8.427	8.001	8.506	8.237	8.265	8.164	7.710	8.196	8.207	8.300	8.005	8.189	8.433	8.282	
1429769	at	Pqat1b	MM.262096	18	7.974	8.393	8.096	7.907	8.091	8.065	7.958	8.222	7.768	8.292	7.874	8.085	7.990	8.119	8.042	7.861	7.941	7.836	7.843	8.000	7.872	8.149	8.036	8.140	
1429770	at	Pqat1b	MM.262096	18	4.514	4.219	4.549	4.283	4.117	4.567	4.381	4.133	4.169	4.426	4.421	4.080	4.228	4.311	4.557	4.549	4.105	4.540	4.333	4.423	4.197	4.180	4.361	4.632	
1429771	at	3110073H01Rik	BB355121	MM.94371	15	9.569	9.569	9.505	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	9.569	
1429772	at	BB065552	MM.252122	1	7.549	7.147	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	7.271	
1429773	at	Dnaic22	BB667713	MM.30544	15	7.616	7.384	7.490	7.630	7.478	7.364	7.473	7.707	7.442	7.396	7.481	7.262	7.479	7.446	7.407	7.549	7.486	7.548	7.349	7.480	7.539	7.441	7.572	
1429774	a	Fam175a	AK014420	MM.221269	5	7.917	7.762	8.329	7.993	7.909	8.275	8.274	7.857	7.548	7.857	7.695	7.821	7.645	8.028	8.003	8.314	7.922	8.286	8.242	8.311	7.761	7.527	8.049	
1429775	a	Gpr137b-ps	AK009736	MM.415635	13	7.328	8.470	7.616	7.564	7.663	7.692	7.437	7.132	8.661	8.514	7.555	7.996	8.059	8.594	7.749	7.516	7.120	7.141	7.473	7.389	7.226	7.012	7.392	
1429776	a	Dnaib6	AK005680	MM.290110	5	7.281	7.453	7.238	7.131	7.364	7.252	7.044	7.091	7.083	7.491	6.958	7.260	7.015	7.131	7.213	7.268	7.036	6.739	6.980	6.517	7.189	7.259	6.940	
1429777	at	Dnaib6	AK005680	MM.290110	5	6.923	6.852	6.730	6.632	6.826	6.793	6.600	6.782	6.969	6.911	6.792	6.831	6.837	6.625	6.757	6.715	6.615	6.611	6.625	6.392	6.979	6.775	6.575	
1429778	at	Optn	AK015354	MM.116942	2	9.404	8.851	9.337	9.482	8.943	9.018	9.408	9.227	8.700	8.830	8.802	9.082	8.719	8.686	8.882	9.439	6.889	9.415	9.067	9.256	9.546	9.267	9.252	
1429779	at	EBF241	MM.39213	14	8.344	8.984	8.932	9.277	9.090	8.913	8.938	7.723	7.925	7.026	7.756	8.825	7.958	7.844	8.124	8.067	7.844	8.207	8.068	8.207	8.068	8.207	8.068	8.207	
1429780	at	Ccdc39	AK014839	MM.275710	3	3.734	3.691	3.793	3.747	3.613	3.886	3.719	3.640	3.730	3.686	3.721	3.764	3.712	3.726	3.652	3.680	3.659	3.707	3.733	3.680	3.767	3.668	3.368	
1429781	s	at	Ccdc39	AK014839	MM.275710	3	4.678	4.554	4.380	4.347	4.482	4.605	4.317	4.376	4.423	4.427	4.294	4.423	4.451	4.302	4.412	4.405	4.399	4.567	4.169	4.583	4.191	4.380	
1429782	at	Grc10	AK013899	MM.439877	6	6.984	6.700	6.952	7.321	7.107	6.849	6.980	7.171	7.064	7.118	6.938	7.163	7.231	7.006	7.052	6.966	7.443	7.421	7.232	7.207	7.093	7.173	7.213	
1429783	at	Pdlim5	AK009464	MM.117709	3	14.636	14.652	14.566	14.372	14.556	14.369	14.455	14.587	14.591	14.627	14.406	14.435	14.400	14.531	14.500	14.501	14.351	14.500	14.449	14.189	14.299	14.364	14.210	
1429784	at	Mapk11p1	BB192700	MM.212297	14	7.767	7.773	7.461	7.556	7.716	7.786	7.614	7.790	7.783	7.948	7.627	7.659	7.859	7.837	7.600	7.625	7.259	7.295	7.515	7.521	7.300	7.547	7.514	
1429785	at	5830458C19Rik	BB192700	MM.212297	14	5.768	6.003	5.725	5.242	5.595	5.793	6.009	5.705	5.947	5.855	5.787	5.500	5.648	5.631	5.642	5.898	5.513	5.683	5.742	5.763	5.663	5.309	5.772	
1429786	a	at	AK008148	MM.264016	17	6.637	7.262	6.452	6.270	6.737	6.811																		

1429834	a	at	1110014N23Rik	AK014229	Mm.227361	19	6.401	6.808	6.111	6.331	6.540	6.091	5.898	6.701	6.802	6.750	6.348	6.835	6.456	6.758	6.504	5.944	6.657	6.417	6.218	6.104	6.545	6.336	5.919	6.101
1429835	at		2310033E01Rik	AK009778	Mm.333661	7	5.490	5.055	5.381	5.541	5.372	5.207	5.334	5.627	5.253	5.577	5.558	5.454	5.448	5.465	5.255	5.424	5.721	5.371	5.405	5.466	5.740	5.295	5.604	5.507
1429836	at		Uccal2	BM218963	Mm.213406	14	6.522	6.280	6.486	6.597	6.200	6.355	6.384	6.411	6.064	6.168	6.237	6.441	6.342	6.278	6.313	6.234	6.545	6.445	6.344	6.364	6.418	6.601	6.743	6.340
1429837	at		NA	AV278908	NA	NA	8.053	7.750	7.907	8.027	7.825	7.797	7.935	7.856	7.894	7.724	7.897	7.613	7.830	7.928	7.790	7.872	7.849	7.827	7.899	8.099	7.846	7.662	7.861	7.933
1429838	at		Spaal16	AK016148	Mm.440554	1	5.382	4.971	4.989	5.494	5.183	5.111	5.323	5.349	5.013	5.012	5.164	5.175	5.151	5.084	5.186	5.291	5.358	5.340	5.171	5.035	5.331	5.333	5.142	5.242
1429839	at		Yat2	AK012787	Mm.4714	15	10.384	10.531	10.657	10.447	10.582	10.599	10.637	10.354	10.126	10.502	10.504	10.605	10.477	10.469	10.632	10.515	10.103	10.314	10.437	10.457	10.278	10.322	10.458	10.427
1429840	at		4933439G12Rik	AW491495	Mm.87075	2	4.924	4.824	4.942	5.003	4.825	5.161	5.016	4.777	4.838	4.770	5.005	5.007	4.909	4.829	4.901	4.977	4.916	4.818	4.800	4.874	4.992	4.750	4.953	5.024
1429841	at		Medf10	AK013855	Mm.297863	18	6.274	6.811	5.963	5.871	6.994	6.614	6.189	6.270	7.754	8.034	6.385	7.662	7.220	6.734	6.640	6.194	6.023	6.241	6.341	6.082	6.015	5.753	5.938	5.793
1429842	at		Mdh1b	AK007262	Mm.30494	1	4.661	4.529	4.865	4.705	4.581	4.612	4.869	4.722	4.628	4.763	4.627	4.769	4.710	4.711	4.724	4.821	4.729	4.703	4.668	5.011	4.866	4.733	5.115	4.778
1429843	at		Grrp1	AK012898	Mm.100168	4	8.065	8.475	7.950	8.000	7.948	7.502	7.757	8.469	8.621	8.357	9.358	8.300	8.131	8.125	8.011	7.907	8.039	7.669	7.514	7.086	7.946	7.750	8.311	7.612
1429844	at		2310043J07Rik	AK009780	Mm.75713	5	6.624	6.402	6.658	6.613	6.938	6.369	6.650	6.659	6.538	6.592	6.717	6.605	6.606	6.608	6.724	6.597	6.592	6.555	6.437	6.569	6.579	6.651	6.595	6.612
1429845	at		1700019J03Rik	AK006127	Mm.441499	2	5.140	5.040	4.912	5.099	5.024	5.148	4.993	5.082	5.022	4.960	4.987	4.901	4.996	5.108	4.948	4.951	5.174	4.862	5.144	5.041	5.065	5.071	5.098	5.059
1429846	at		9030411K21Rik	BM250766	Mm.22379	9	6.612	6.481	7.229	7.292	6.520	7.332	6.666	6.272	5.751	5.416	6.246	6.815	6.038	6.499	6.463	7.217	6.627	6.513	6.347	6.514	5.544	6.241	6.964	6.552
1429847	a	at	4833418A01Rik	AK014717	Mm.281668	2	6.278	7.002	6.806	6.465	6.560	6.674	6.654	6.573	6.958	7.071	5.963	6.675	6.830	6.620	6.665	6.538	6.572	6.675	6.778	6.501	6.404	6.681	6.091	6.392
1429848	at		Pvr	AK014446	Mm.227506	7	4.825	4.787	5.037	5.059	4.893	5.084	5.043	5.199	5.266	4.995	5.056	5.209	5.003	5.076	4.884	5.172	4.930	5.206	4.963	5.181	4.957	5.091	5.236	4.852
1429849	at		4632411B12Rik	AK016474	Mm.24734	1	7.661	7.729	7.619	7.553	7.613	7.955	7.572	7.780	7.435	7.547	7.462	7.706	7.469	7.425	7.727	7.668	7.785	7.545	7.680	7.512	7.714	7.815	8.072	7.511
1429850	x	at	Alkbh4	AK008083	Mm.294725	5	8.255	8.414	8.143	8.441	8.381	8.193	8.287	8.695	8.354	8.338	8.399	8.352	8.385	8.414	8.381	8.376	8.496	8.391	8.336	8.266	8.513	8.741	8.473	8.121
1429851	at		1700003M02Rik	AK005650	Mm.889548	4	5.752	5.420	5.642	5.828	5.637	5.459	5.686	5.686	5.662	5.521	5.561	5.579	5.509	5.691	5.612	5.595	5.768	5.819	5.757	5.647	5.853	5.661	5.624	5.740
1429852	at		Coc657	AK017054	Mm.275751	11	7.137	6.651	6.897	6.841	6.790	7.031	6.858	6.887	6.482	6.595	6.725	6.655	6.684	6.628	6.894	7.001	7.112	6.970	6.776	7.039	6.807	6.862	6.835	6.883
1429853	at		1700018C11Rik	AK006081	Mm.38543	4	5.589	5.264	5.562	5.466	5.258	5.304	5.452	5.452	5.478	5.624	5.543	5.382	5.433	5.457	5.400	5.551	5.405	5.562	5.408	5.480	5.550	5.468	5.648	5.465
1429854	at		2900092C05Rik	AV263708	Mm.84622	7	4.570	4.273	4.419	4.477	4.310	4.466	4.464	4.439	4.460	4.328	4.456	4.394	4.447	4.316	4.454	4.426	4.470	4.447	4.379	4.479	4.649	4.292	4.607	4.481
1429855	at		1700023J07Rik	AV209209	Mm.217475	X	4.059	3.982	3.980	4.044	3.835	3.895	3.951	3.988	3.927	3.780	3.963	3.933	3.986	3.956	4.010	3.852	3.973	4.008	3.906	3.967	3.945	4.048	4.129	3.890
1429856	at		Tspan18	AK011742	Mm.274159	2	6.895	6.753	6.785	6.972	7.131	6.895	7.104	7.284	7.267	7.000	7.134	7.036	7.113	6.865	7.001	6.993	7.483	7.700	7.259	7.230	7.446	7.724	7.024	6.822
1429857	at		2900092D14Rik	BB807002	Mm.467885	1	6.917	6.411	6.672	6.656	6.519	6.562	6.627	6.663	6.425	6.257	6.617	6.380	6.364	6.431	6.639	6.612	6.700	6.566	6.683	6.656	6.783	6.729	6.772	6.756
1429858	at		1900011E24Rik	AK005861	Mm.50108	17	4.662	4.322	4.639	4.369	4.409	4.215	4.541	4.383	4.296	4.248	4.473	4.366	4.233	4.349	4.226	4.404	4.555	4.427	4.528	4.412	4.499	4.448	4.461	4.656
1429859	a	at	Ariz2b	AK006418	Mm.393247	8	8.204	8.423	8.318	8.138	8.298	8.294	8.338	8.284	8.203	8.399	8.289	8.607	8.387	8.278	8.470	8.355	7.972	8.279	8.539	8.335	8.136	8.296	8.146	8.293
1429860	at		5730590G19Rik	AK013679	Mm.231782	7	7.633	7.581	7.581	7.581	7.508	7.717	7.482	7.762	7.562	7.748	7.562	7.748	7.562	7.748	7.562	7.748	7.562	7.748	7.562	7.748	7.562	7.748	7.562	7.748
1429861	at		Bo17173Rik	AK013221	Mm.41077	13	7.259	5.369	5.155	5.145	5.668	5.022	5.208	5.689	5.106	5.132	5.645	5.295	5.833	5.351	5.496	5.555	5.459	5.160	5.504	5.160	5.504	5.160	5.504	5.160
1429862	at		Pla2q4e	AV235932	Mm.3300505	2	7.037	6.904	7.261	7.422	7.455	7.429	7.453	6.943	7.042	6.913	7.210	6.795	6.817	6.945	7.365	7.298	7.274	7.291	7.607	7.071	7.351	7.212	7.407	7.360
1429863	at		Lonr1f3	AK016522	Mm.327654	X	6.438	6.711	6.556	6.468	6.499	6.303	6.378	6.540	6.587	6.407	6.652	6.311	6.379	6.535	6.515	6.423	6.109	6.071	6.338	6.393	6.430	6.133	6.401	6.193
1429864	at		Spatc1	AK006994	Mm.159156	15	5.724	5.378	5.568	5.550	5.514	5.636	5.589	5.294	5.391	5.485	5.594	5.354	5.475	5.569	5.445	5.525	5.577	5.402	5.594	5.582	5.569	5.520	5.541	5.414
1429865	at		4931417G12Rik	AK016461	Mm.72959	6	4.645	4.411	4.643	4.663	4.670	4.730	4.627	4.837	4.421	4.698	4.716	4.550	4.582	4.477	4.595	4.475	4.932	4.724	4.645	4.678	4.535	4.460	4.636	4.503
1429866	at		Ahnak	AK009866	Mm.203866	19	7.216	7.125	7.195	7.306	7.163	7.190	7.202	6.987	7.460	7.414	6.988	7.330	7.280	7.142	7.051	7.024	7.237	7.241	7.164	7.260	7.234	7.324	7.407	7.404
1429867	at		4933424C08Rik	AK016884	Mm.165401	4	5.789	5.617	5.697	5.551	5.668	5.567	5.525	5.686	5.580	5.531	5.509	5.860	5.647	5.435	5.610	5.531	5.791	5.767	5.844	5.732	5.734	5.826	5.631	5.642
1429868	at		4930002N01Rik	AK013379	Mm.441638	10	7.928	6.304	6.027	6.065	6.195	7.122	7.452	6.937	7.046	6.995	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993	6.993
1429869	at		1110020C03Rik	AI561792	Mm.256495	4	7.396	7.079	7.146	7.100	7.077	6.951	7.341	7.127	7.110	7.123	7.239	7.083	7.167	6.998	7.207	7.223	7.482	7.207	7.107	7.209	7.047	6.991	7.136	6.946
1429870	at		Tnik	BB021125	Mm.126193	3	7.360	6.939	7.571	7.392	7.661	8.032	7.376	6.382	6.853	6.799	7.347	6.522	6.663	6.333	7.099	7.495	7.392	7.149	7.029	7.303	7.636	7.593	7.457	7.839
1429871	at		Hmmr	AK020144	Mm.116997	11	4.956	5.048	4.666	4.845	4.449	4.995	4.881	5.239	5.179	5.072	5.367	4.929	4.731	5.037	4.695	5.190	4.865	4.841	4.855	4.892	4.796	4.849	5.038	4.671
1429872	at		1700007N14Rik	AK005740	Mm.72752	14	7.388	7.158	7.196	7.244	7.292	6.967	7.427	7.499	7.283	7.169	7.317	7.238	7.392	7.156	7.318	7.302	7.410	7.284	7.238	7.493	7.566	7.372	7.499	7.137
1429873	at		1700125H20Rik	AK007281	Mm.48850	11	6.608	6.540	6.444	6.636	6.637	6.474	6.360	6.530	6.501	6.415	6.304	6.544	6.225	6.405	6									

1429923	x at	Spata3	AK005880	Mm.196313	1	6.947	6.077	6.689	6.381	6.178	6.425	6.451	6.565	6.183	6.284	6.604	6.346	6.161	6.207	6.494	6.651	6.477	6.686	6.549	6.723	6.502	6.498	6.445	6.726
1429924	at	1700019O17Rik	AK006136	Mm.179627	1	6.883	6.745	6.964	7.067	6.819	6.847	6.871	7.018	6.943	6.893	6.970	6.876	6.878	7.095	6.813	6.935	6.854	6.870	6.833	6.921	7.004	6.527	6.770	6.905
1429925	at	Clec12b	AK016908	Mm.79402	6	5.646	5.174	5.489	5.434	5.378	5.577	5.482	5.188	5.302	5.232	5.645	5.425	5.557	5.575	5.608	5.713	5.726	5.542	5.697	5.723	5.464	5.402	5.270	5.591
1429926	at	Apol	AK020156	Mm.161014	X	7.266	6.999	7.315	7.269	7.178	7.277	7.293	7.401	7.136	7.318	7.386	7.331	7.309	7.144	7.413	7.280	7.236	7.435	7.335	7.406	7.501	7.378	7.464	7.351
1429927	at	5830409B07Rik	AK017913	Mm.144843	4	5.532	5.296	5.303	5.538	5.529	5.484	5.586	5.652	5.432	5.377	5.463	5.340	5.488	5.509	5.542	5.374	5.580	5.524	5.551	5.470	5.614	5.644	5.441	
1429928	at	Cla9	AK006526	Mm.45791	X	6.487	6.375	6.659	6.559	6.246	6.396	6.516	6.300	6.438	6.338	6.547	6.425	6.596	6.339	6.468	6.515	6.201	6.465	6.589	6.704	6.465	6.528	6.674	6.555
1429929	at	Mel1	AK016514	Mm.289351	15	6.385	6.169	6.267	6.232	6.244	6.162	6.255	6.365	6.244	6.266	6.327	6.227	6.411	6.311	6.170	6.350	6.273	6.121	6.328	6.279	6.255	6.158	6.469	6.224
1429930	at	Ccdc19	AK006449	Mm.78373	1	5.158	5.287	5.181	5.260	5.163	5.188	5.165	5.442	5.690	5.396	5.353	5.258	5.354	5.297	5.239	5.143	5.399	5.373	5.331	5.378	5.283	5.475	5.347	5.279
1429931	at	4930553P18Rik	AK016112	Mm.142685	6	6.337	5.986	6.170	6.311	6.177	6.329	6.360	6.154	6.124	5.945	6.063	6.001	6.022	6.141	5.961	6.259	6.288	6.281	6.218	6.414	6.286	6.414	6.249	6.376
1429932	at	4930566F21Rik	AV215452	Mm.23355	5	5.161	4.928	4.847	5.018	4.902	4.812	4.939	4.955	4.878	4.839	5.016	4.936	4.987	4.863	4.906	5.031	4.849	4.988	4.837	5.076	4.954	4.920	4.910	4.986
1429933	at	Aatbpb1	BB487712	Mm.153008	13	6.693	6.170	6.810	6.948	6.603	6.850	6.837	6.303	5.939	6.314	6.101	6.400	6.180	6.467	6.475	6.678	6.552	6.607	6.855	6.884	6.519	6.606	7.431	6.464
1429934	at	4930502E18Rik	AK015678	Mm.336332	X	5.123	5.195	5.270	5.160	5.209	5.181	5.212	5.048	5.484	5.287	5.342	5.202	5.084	5.264	5.219	5.252	5.198	5.184	5.188	5.205	5.114	5.137	5.203	5.326
1429935	at	Lcn12	AK020307	Mm.99123	2	5.920	5.862	5.987	5.881	5.798	5.703	5.978	6.157	5.963	5.938	5.871	5.826	5.933	5.871	5.954	5.849	5.780	5.825	6.104	5.762	6.065	5.930	5.793	5.990
1429936	at	Ph1d12	BC019481	Mm.147232	9	4.211	4.327	4.257	4.336	4.233	4.198	4.230	4.373	4.298	4.256	4.357	4.254	4.222	4.217	4.215	4.278	4.400	4.362	4.193	4.287	4.107	4.247	4.356	4.332
1429937	at	Utp23	AK005831	Mm.176347	15	7.338	7.371	7.288	7.201	7.207	7.023	7.252	7.626	7.448	7.362	7.319	7.290	7.297	7.394	7.216	7.256	7.291	7.408	7.600	7.335	7.330	7.116	7.132	7.187
1429938	at	A930009E05Rik	BB125806	Mm.53915	6	4.708	4.398	4.506	4.497	4.438	4.563	4.563	4.406	4.321	4.487	4.612	4.506	4.469	4.462	4.647	4.529	4.495	4.515	4.459	4.584	4.595	4.423	4.669	4.558
1429939	at	Saps3	AK015925	Mm.284686	19	8.601	7.910	8.555	8.547	8.085	8.247	8.289	8.012	8.074	8.124	8.173	7.839	8.007	8.056	8.222	8.681	8.111	8.277	8.386	8.335	8.399	8.165	8.648	8.913
1429940	at	Cdc73	BM935271	Mm.889191	1	8.770	8.308	9.202	8.843	8.916	9.077	8.863	8.809	7.742	8.119	8.305	8.666	8.555	8.255	8.646	9.212	8.892	8.916	8.865	8.863	8.746	9.013	8.818	8.832
1429941	at	Slc10a7	AK010834	Mm.334631	8	5.765	5.816	5.833	5.609	5.500	5.685	5.536	5.596	5.781	5.626	5.848	5.346	5.488	5.708	5.737	5.429	5.459	5.346	5.618	5.512	5.654	5.500	5.630	5.752
1429942	at	Gmeb1	BM935273	Mm.103489	4	7.840	7.877	7.821	7.762	7.970	8.004	7.998	8.016	8.025	8.127	8.214	8.028	7.975	7.934	7.987	7.903	7.996	7.758	7.943	8.087	8.057	8.078	7.859	8.124
1429943	at	Ctbs	AV222441	Mm.45396	3	4.774	5.143	4.968	4.912	4.920	5.019	4.882	5.095	5.256	5.191	5.025	5.080	5.149	5.089	4.986	4.856	4.980	5.090	5.142	4.962	4.741	5.252	4.848	4.788
1429944	at	Tchl104	AK017244	Mm.68064	3	5.256	5.245	5.425	5.608	5.282	5.356	5.320	5.341	5.266	5.243	5.254	5.324	5.276	5.056	5.161	5.644	5.591	5.131	5.316	5.202	5.681	5.831	5.416	5.367
1429945	at	2810406K13Rik	AK013012	Mm.153585	7	5.970	5.905	5.882	5.939	5.595	5.987	5.927	5.978	5.949	5.887	5.881	5.938	5.945	5.987	5.806	5.805	6.000	5.786	6.026	5.912	6.029	5.590	6.049	5.835
1429946	at	2610301F02Rik	AK011952	Mm.26579	2	8.404	7.751	8.349	8.389	7.777	8.430	8.303	7.584	8.665	7.079	7.262	7.647	7.465	7.381	7.766	8.506	8.678	8.318	8.337	8.629	8.318	8.462	8.232	8.302
1429947	a at	Zbn1	AK008179	Mm.116687	2	6.843	6.564	6.663	6.620	6.666	6.477	6.749	6.850	6.629	6.505	6.671	6.491	6.902	6.803	6.723	6.559	6.757	6.661	6.741	6.829	6.630	6.687	6.583	6.651
1429948	x at	Crvf	AK013953	Mm.275362	1	7.661	7.142	7.766	7.646	7.547	7.158	7.656	7.334	7.485	7.472	7.545	7.443	7.603	7.484	7.494	7.529	7.563	7.502	7.636	7.779	7.595	7.416	7.377	7.700
1429949	at	Unc5c1	AK010945	Mm.311628	17	6.735	6.429	6.862	6.765	6.598	6.747	7.045	5.589	6.553	6.424	6.585	6.410	6.576	6.618	6.667	6.627	6.681	6.711	6.696	6.851	6.852	6.869	6.867	6.869
1429951	at	Ssbd2	AK005150	Mm.343095	13	7.742	7.658	7.899	7.706	7.570	7.761	7.908	7.210	7.650	7.985	6.334	8.059	8.003	7.223	7.841	7.671	7.659	7.753	7.423	7.540	7.338	7.769	7.311	6.942
1429952	at	Mospd4	AV265561	Mm.82766	18	5.961	5.714	5.683	5.790	5.506	5.835	5.746	5.758	5.561	5.449	5.989	5.674	5.876	5.755	5.808	5.796	5.940	5.627	5.771	5.605	5.831	5.839	5.614	6.025
1429953	at	2210011C24Rik	AK008705	Mm.41017	8	5.565	5.129	5.609	5.607	5.440	5.520	5.232	5.689	5.268	5.218	5.444	5.695	5.607	5.334	5.259	5.689	5.550	5.635	5.557	5.733	5.483	5.501	5.531	5.752
1429954	at	Clec4a3	AK014135	Mm.25684	6	7.926	10.185	8.049	8.425	8.892	8.587	8.908	7.972	10.211	10.001	8.532	8.970	9.143	10.087	8.608	8.124	7.442	7.695	8.813	7.223	7.826	7.902	7.059	7.742
1429955	at	5031434O11Rik	BB386113	Mm.387178	3	8.033	7.779	7.970	7.957	7.900	7.897	7.982	7.714	7.810	7.774	7.860	7.866	7.888	7.753	7.987	7.923	7.792	8.010	7.995	8.023	7.843	7.958	7.861	8.104
1429956	at	1700021K02Rik	AK006213	Mm.30227	10	6.139	5.682	6.028	6.044	5.794	5.939	5.923	6.292	6.007	5.776	6.146	5.967	6.023	6.002	5.855	5.780	6.093	5.888	6.062	6.240	6.150	5.938	5.860	5.931
1429957	at	Slc38a6-1	AK007977	Mm.20967	16	8.001	6.932	7.924	8.026	7.732	7.742	7.835	8.020	6.025	8.221	8.513	6.663	6.583	7.727	7.829	7.958	7.902	7.786	7.837	8.085	7.852	7.591	6.847	6.842
1429958	x at	Hadh1	BI790001	Mm.29230	17	6.401	7.024	6.540	6.546	7.241	6.901	6.588	6.495	6.636	6.827	6.502	7.317	7.264	6.826	6.962	6.438	6.488	6.579	6.999	6.254	6.326	6.230	5.930	6.387
1429959	at	H10rb	AK018347	Mm.4154	16	7.581	7.644	7.393	7.713	7.369	7.571	7.498	6.293	7.482	7.692	7.354	7.843	7.427	7.578	7.853	7.467	7.813	7.589	7.685	7.739	7.447	7.917	7.902	7.202
1429960	at	4930438A08Rik	BB775376	Mm.359801	11	6.236	5.982	6.217	6.189	6.030	6.233	6.285	6.313	5.976	6.025	6.103	6.035	6.136	5.962	6.113	6.323	6.539	6.095	6.159	6.291	6.324	6.273	6.320	6.141
1429961	at	1700021C14Rik	AK006195	Mm.273330	3	6.875	6.991	6.942	6.895	7.001	6.850	7.052	7.285	6.976	7.028	6.994	7.190	7.241	6.605	6.708	6.941	6.536	7.278	6.819	7.063	7.552	7.742	6.966	6.855
1429962	at	Cebzd	AK017537	Mm.24169	17	4.590	4.509	4.589	4.745	4.457	4.385	4.452	4.467	4.492	4.533	4.476	4.539	4.579	4.746	4.510	4.520	4.613	4.533	4.627	4.433	4.712	4.602	4.684	4.388
1429963	at	Mapk6	AK011505	Mm.18856	9	7.320	7.757	7.340	7.185	7.415	7.279	7.170	7.194	7.516	7.488	7.947	7.340	7.344	7.365	7.424	7.441	7.225	7.278	7.419	7.240	7.309	7.053	7.553	7.230
1429964	at	Brp253a10	BM935274	Mm.158444	5	5.651	5.279	5.375	5.595	5.521	5.430	5.510	5.308	5.275	5.760														

1430012	at	1110050K14Rik	AK004221	Mm.246916	8	5.318	5.206	5.305	5.312	5.244	5.208	5.267	5.339	5.237	5.163	5.241	5.389	5.156	5.295	5.300	5.246	5.214	5.321	5.250	5.257	5.230	5.193	5.253		
1430013	at	2210008F06Rik	BE993118	Mm.443420	11	5.488	5.081	5.530	5.421	5.208	5.383	5.373	5.269	5.040	5.261	5.542	5.356	5.213	5.191	5.484	5.427	5.269	5.422	5.565	5.714	5.387	5.322	5.230	5.534	
1430014	at	543019D17Rik	AK017319	Mm.118845	7	6.873	6.608	6.843	7.090	6.716	6.803	6.819	6.938	6.646	6.725	6.965	6.740	6.729	6.814	6.661	6.908	6.727	6.858	6.870	6.672	7.031	6.613	6.882	6.916	
1430015	at	Px0101F24Rik	AK005593	Mm.107605	17	7.457	7.123	7.334	7.368	7.401	7.305	7.273	7.337	7.306	7.374	7.362	7.278	7.291	7.334	7.376	7.386	7.331	7.367	7.324	7.512	7.463	7.256	7.539	7.443	
1430016	at	4930584F24Rik	AK016349	Mm.52097	5	4.787	4.783	4.919	5.018	4.932	4.823	4.957	4.961	4.886	4.882	5.083	4.778	4.830	5.114	4.865	4.813	4.945	5.017	4.979	4.892	4.835	4.966	5.002	5.154	
1430017	at	1600016N20Rik	AK005476	Mm.334314	6	5.584	5.513	6.329	6.471	5.588	4.642	6.616	5.594	6.577	6.488	6.610	6.674	6.667	6.611	6.65	6.536	6.881	6.685	6.581	6.441	6.735	6.783	6.840	6.825	
1430018	at	Cdc4260B	AK006430	Mm.34268	7	7.381	7.150	7.304	7.199	7.144	7.116	7.218	7.216	7.072	7.079	7.303	7.148	7.209	7.334	7.209	7.136	7.200	7.115	7.163	7.226	7.303	7.194	7.282	7.147	
1430019	a at	Hnrrpa1	AK007802	Mm.237064	15	9.504	9.840	9.723	9.894	9.463	10.039	9.709	9.864	9.122	9.429	9.668	9.437	9.274	9.934	9.735	9.666	9.137	9.614	10.043	9.790	9.273	9.343	9.825	10.111	
1430020	x at	Hnrrpa1	AK007802	Mm.237064	15	9.446	9.672	9.441	9.522	9.349	9.830	9.470	9.836	9.109	9.215	9.473	9.316	9.177	9.642	9.692	9.422	9.100	9.375	9.687	9.392	9.047	9.316	9.923	9.734	
1430021	a at	Sae1	AK011772	Mm.258530	7	9.665	9.854	9.689	9.805	9.609	9.984	9.604	9.433	9.616	9.988	9.954	9.463	9.644	9.736	9.904	9.745	9.599	9.589	9.869	9.799	9.532	9.327	9.685	9.917	
1430022	at	Sae1	AK011772	Mm.258530	7	9.810	9.720	9.654	9.711	9.619	9.680	9.676	9.738	9.768	9.637	9.611	9.461	9.701	9.681	9.669	9.789	9.638	9.514	9.668	9.726	9.668	9.393	9.675	9.639	
1430023	at	5133400G04Rik	AK017218	Mm.151498	18	6.334	6.316	6.367	5.971	6.054	6.350	6.272	6.603	6.314	6.073	6.174	6.340	6.058	6.201	6.024	6.310	6.644	6.410	6.282	6.306	6.479	6.606	6.279	6.608	
1430024	at	Yip6f	BB284377	Mm.212290	X	7.365	7.065	7.054	7.346	7.427	7.230	7.399	7.552	7.753	7.635	7.321	7.561	7.818	7.661	7.476	7.308	7.503	7.290	7.212	7.075	7.056	7.390	7.172	7.222	
1430025	at	Ppn3c	AK015002	Mm.439683	14	5.529	5.654	6.623	6.296	6.327	6.504	6.480	6.835	6.569	6.582	6.338	6.449	6.396	6.675	6.539	6.459	6.436	6.457	6.520	6.625	6.609	6.441	6.506	6.300	
1430026	at	Hsna13	AK021006	Mm.26704	16	6.983	6.969	6.936	6.881	6.687	6.800	7.026	7.013	6.961	6.771	6.991	6.887	6.920	6.943	6.953	6.989	7.128	6.931	6.864	7.066	6.851	6.971	7.096	7.002	
1430027	at	1210028F09Rik	BQ126961	Mm.45859	14	5.324	4.988	5.289	5.145	5.399	5.442	5.248	5.104	5.107	4.973	5.430	4.800	5.124	5.050	5.287	5.170	5.087	5.302	5.424	5.246	5.287	5.144	5.432	5.314	
1430028	at	2210018M11Rik	BB318398	Mm.387819	7	8.039	8.056	7.956	7.901	7.851	8.108	8.301	8.108	7.755	8.047	8.100	7.739	7.794	7.896	8.047	8.063	8.049	8.053	7.925	7.975	8.064	7.986	7.987	7.972	
1430029	a at	Tspan31	AK012853	Mm.56560	10	9.900	10.376	10.113	10.147	10.155	10.209	10.186	9.542	10.325	10.402	10.181	10.016	10.108	10.375	10.115	10.115	10.172	9.818	10.154	10.219	10.230	9.761	9.740	10.191	10.247
1430030	at	5330426P16Rik	AK019912	Mm.139089	7	7.243	6.595	6.089	8.322	7.623	8.019	7.076	8.537	7.754	7.884	7.295	7.574	7.866	8.380	7.409	8.236	7.973	6.967	7.023	7.197	6.924	7.220	7.289	7.145	
1430031	at	Ipmk	AK010523	Mm.245867	10	5.977	5.875	5.794	5.978	6.012	5.899	6.155	5.639	5.793	5.957	6.021	5.877	5.867	6.028	5.938	6.078	5.937	5.855	5.815	6.055	5.890	5.928	5.998	5.954	
1430032	at	Rhm4b	AK019871	Mm.440378	19	7.017	6.896	7.015	6.887	6.728	6.986	7.042	6.865	6.611	6.727	6.889	6.770	6.626	6.585	6.867	7.025	6.754	6.854	6.821	7.062	6.652	6.729	6.667	7.032	
1430033	at	5330431K02Rik	AW495519	Mm.442314	13	6.986	7.323	6.850	7.020	7.292	7.152	7.104	7.505	7.567	7.293	7.443	7.304	7.362	7.071	7.433	6.934	7.069	7.423	6.952	7.104	7.182	7.110	6.982	6.794	
1430034	at	Cct34	BE648588	Mm.296985	11	5.202	5.867	5.277	5.215	5.236	5.528	5.108	5.375	5.251	5.485	5.282	5.484	5.193	5.146	5.522	5.249	5.284	4.978	4.802	5.280	5.150	5.111	5.124	5.246	5.189
1430035	at	Ccd13c2	AK018415	Mm.45539	6	4.254	4.143	4.266	4.215	4.273	4.459	4.192	4.241	4.237	4.211	4.042	4.270	4.136	4.098	4.268	4.340	4.279	4.364	4.350	4.244	4.176	4.356	4.213	4.254	
1430036	at	2310015B20Rik	AK009351	Mm.64672	7	7.283	7.611	7.835	7.870	7.901	7.776	7.807	7.875	7.745	7.684	7.594	7.473	7.848	6.998	7.922	7.775	8.087	7.868	7.989	7.908	8.160	8.003	7.791	7.982	
1430037	at	Snx27	AK017836	Mm.28160	3	8.384	8.386	8.713	8.703	8.427	8.712	8.674	7.563	8.056	8.408	8.253	8.356	8.360	8.443	8.496	8.605	7.935	8.359	8.488	8.508	8.160	7.998	8.628	8.730	
1430038	at	Gp13038	AK016349	Mm.52097	12	6.341	6.247	6.305	6.282	6.288	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	
1430039	at	Cdc11	AK018346	Mm.212227	17	7.378	6.976	7.305	7.348	7.086	7.273	7.557	7.063	6.755	7.143	6.944	6.850	7.360	6.993	7.307	7.349	7.551	7.397	7.350	5.011	7.117	7.148	7.250	7.308	
1430040	at	Hsna12a	AK006867	Mm.39739	19	6.392	6.032	6.117	6.456	6.279	6.290	6.322	6.528	6.252	6.055	6.114	6.249	6.195	6.174	6.241	6.310	6.685	6.440	6.473	6.498	6.660	6.563	6.218	6.359	
1430041	at	6330548G22Rik	AK012832	Mm.156035	5	8.372	8.451	8.395	8.044	7.915	7.893	8.087	8.081	7.970	8.078	8.080	8.006	7.818	7.964	7.788	8.242	8.239	8.069	8.142	7.853	8.086	8.045	7.944	7.851	
1430042	at	4930012M21Rik	AW552820	Mm.439616	7	5.635	5.309	5.640	5.706	5.551	5.631	5.803	5.343	5.376	5.606	5.535	5.463	5.514	5.706	5.678	5.604	5.619	5.585	5.640	5.681	5.548	5.511	5.770	5.753	
1430043	at	Ttct19	BE979150	Mm.69739	11	8.644	8.781	8.885	8.896	8.654	9.031	8.739	8.558	8.842	8.631	8.462	8.969	8.711	8.574	8.772	8.875	8.933	8.981	8.948	8.807	8.721	8.896	9.012	9.101	
1430044	at	4930415F15Rik	AK015144	Mm.159077	11	6.225	5.931	6.162	6.145	6.082	5.926	6.200	6.263	5.991	6.088	6.122	6.201	5.961	6.021	6.079	6.306	6.373	6.091	6.087	6.352	6.130	6.050	6.112	6.219	
1430045	at	TsnaK	BM119928	Mm.5248	8	6.970	7.347	7.472	7.408	7.493	7.487	7.164	7.417	7.376	7.338	7.106	7.287	7.042	7.187	7.243	7.501	7.841	7.676	7.314	7.355	7.705	7.852	7.638	7.361	
1430046	at	Brcd1	AK012553	Mm.209730	13	5.258	4.457	4.533	5.017	4.674	5.250	4.893	4.927	4.549	4.463	4.403	5.123	5.242	4.668	4.798	4.790	4.548	4.558	4.372	4.779	4.658	4.700	4.793	4.858	4.640
1430048	at	7630402I04Rik	AW455442	Mm.441614	7	6.048	6.462	5.890	6.007	6.067	6.016	6.014	6.074	5.858	6.066	5.920	6.210	6.003	5.814	5.831	6.124	6.068	5.958	5.804	5.892	6.065	5.903	5.804		
1430049	at	Hyal6	AV260265	Mm.87331	6	4.272	4.295	4.308	4.376	4.170	4.338	4.434	4.350	4.249	4.350	4.385	4.211	4.264	4.370	4.212	4.481	4.418	4.476	4.443	4.558	4.351	4.513	4.349	4.382	
1430050	at	Ddx23	AK014820	Mm.45725	15	6.599	6.275	6.452	6.375	6.188	6.232	6.396	6.467	6.349	6.380	6.283	6.414	6.196	6.317	6.073	6.440	6.319	6.487	6.509	6.276	6.328	6.446	6.341		
1430051	at	4930486L24Rik	AK015635	Mm.19839	13	7.005	6.650	7.059	6.825	6.666	6.686	6.870	6.975	6.384	6.321	7.141	6.388	6.590	6.612	6.798	6.767	6.718	6.614	6.648	6.726	7.081	7.231	7.396	7.297	
1430052	at	C030046H21Rik	BM942848	Mm.294552	2	6.296	6.063	6.223	6.291	6.263	6.167	6.316	6.386	6.415	6.044	6.329	6.061	6.202	6.163	6.228	6.300	6.280	6.022	6.289	6.387	6.227	6.272	6.306	6.278	
1430053	a at	C030011L09Rik	AK016349	Mm.52097	2	8.86																								

1430101	at	63304060O5Rik	B0174423	Mm.322667	7	6.066	5.830	6.051	6.046	6.007	6.065	6.050	6.029	6.039	5.869	6.088	6.130	6.104	6.101	6.000	5.945	6.057	6.027	6.187	6.081	6.036	5.922	6.014	5.936
1430102	at	Rnf148	AK017027	Mm.443309	6	6.026	5.816	5.908	6.129	5.858	5.824	5.892	6.018	5.855	5.719	5.945	6.051	5.901	6.031	5.871	6.098	5.934	6.178	5.963	5.926	6.341	5.893	5.815	5.955
1430103	at	Rso2b607L20Rik	AK018542	NA	2	7.504	7.109	7.315	7.206	7.229	7.253	7.324	6.901	7.347	7.395	7.528	7.047	7.095	7.194	7.192	7.324	6.860	7.025	7.219	7.029	7.077	6.915	7.632	7.302
1430104	at	AV117956	Mm.193274	15	7.629	7.441	7.454	7.454	7.448	7.230	7.456	7.460	7.682	7.427	7.435	7.380	7.552	7.489	7.483	7.445	7.488	7.466	7.402	7.515	7.514	7.423	7.410	7.361	7.458
1430105	at	AK006990	Mm.443305	11	5.365	5.802	5.189	4.985	5.166	5.222	5.215	4.965	4.967	5.357	5.117	5.109	5.187	5.246	5.107	5.194	5.265	5.198	5.498	5.190	5.367	5.138	5.513	5.422	5.198
1430106	at	1700126L10Rik	AV264266	AV264266	2	4.048	3.966	4.021	3.984	3.993	4.026	4.071	4.011	3.991	4.007	3.853	4.089	4.105	3.943	3.895	3.922	3.919	4.011	3.976	4.017	3.905	3.884	3.964	3.850
1430107	at	Acbd7	AK020348	Mm.99733	2	4.900	4.335	4.395	4.715	4.413	4.697	4.695	4.849	4.301	4.321	4.558	4.548	4.496	4.461	4.362	4.236	5.097	4.704	4.899	4.887	5.062	5.002	4.871	4.950
1430108	at	9030622M2Rik	AV071544	NA	8	5.435	5.552	5.608	5.464	5.265	5.587	5.368	5.608	5.325	5.353	5.347	5.311	5.125	5.268	5.887	5.386	5.791	5.658	5.560	5.716	5.541	5.618	5.707	5.336
1430109	at	4833412E19Rik	AA409371	NA	6	7.561	7.595	7.497	7.607	7.360	7.397	7.754	7.444	7.622	7.779	7.653	7.460	7.380	7.475	7.502	7.529	7.355	7.316	7.396	7.192	7.509	7.330	7.734	7.522
1430110	at	D230044M03Rik	AK018698	Mm.136985	10	4.066	3.837	4.211	4.048	3.881	4.071	4.150	3.980	4.003	3.919	4.054	3.962	4.028	3.934	4.031	3.837	4.101	3.892	4.017	4.039	3.956	4.086	4.005	4.179
1430111	a at	Bcat1	AK012821	Mm.4606	6	6.508	6.513	6.438	6.552	6.398	6.482	6.405	6.560	6.720	6.604	6.076	5.966	6.523	6.339	6.547	6.567	6.562	6.500	6.596	6.513	6.471	6.528	6.607	6.488
1430112	at	Wdr66	AK016965	Mm.444012	5	6.108	5.592	5.967	6.016	5.886	5.992	6.145	5.673	5.834	5.621	5.841	5.760	5.828	5.673	6.042	5.818	5.972	5.752	6.115	5.915	6.051	5.912	5.753	6.088
1430113	at	Sh2d6	AK016886	Mm.128597	6	6.940	6.629	6.748	6.868	6.641	6.732	6.762	6.885	6.731	6.642	6.694	6.729	6.728	6.651	6.687	6.719	6.927	6.752	6.752	6.798	6.630	6.746	6.853	6.841
1430114	at	Tprn	AK017323	Mm.126851	16	4.760	4.651	4.552	4.659	4.485	4.983	4.934	4.633	4.611	4.616	4.844	4.660	4.766	4.730	4.860	4.825	4.866	4.952	4.728	5.023	4.798	4.831	4.773	4.771
1430115	at	4833413E03Rik	AK019514	NA	17	7.441	6.920	7.252	7.291	7.166	6.939	6.903	7.262	7.042	6.919	7.123	7.026	7.076	7.117	7.088	7.237	7.112	7.169	7.135	7.285	7.302	7.031	7.315	7.370
1430116	at	Cyp4f41-ps	AK020053	Mm.245027	17	5.394	5.295	5.346	5.371	5.049	5.162	5.402	5.288	5.205	5.263	5.152	5.295	5.224	5.381	5.354	5.499	5.286	5.424	5.307	5.259	5.395	5.351	5.507	5.507
1430117	a at	Zfp64	AK010444	Mm.2095	2	6.816	6.893	6.829	6.795	6.723	6.463	6.914	7.025	7.054	6.887	6.829	6.827	6.845	6.531	6.729	6.693	6.876	6.661	6.806	6.768	7.090	6.796	6.737	6.918
1430118	at	2700046A07Rik	AK020725	Mm.262195	18	4.406	4.161	4.204	4.298	4.211	4.231	4.255	4.425	4.169	4.167	4.428	4.077	4.226	4.003	4.285	4.404	4.437	4.488	4.449	4.230	4.318	4.149	4.256	4.286
1430119	at	LOC10039091	AK004226	Mm.463084	17	7.724	7.525	7.841	7.692	7.831	7.807	7.853	7.971	7.788	7.588	7.988	7.832	7.865	7.795	7.665	7.747	7.978	7.807	7.687	7.803	7.844	7.577	7.737	7.813
1430120	at	4930519G04Rik	AK005973	Mm.251409	5	4.832	4.503	4.599	4.616	4.667	4.689	4.752	4.806	4.656	4.536	4.880	4.702	4.768	4.648	4.871	4.614	4.651	4.633	4.747	4.723	4.913	4.706	4.884	4.807
1430121	at	1700060E09Rik	AK005669	Mm.108632	11	4.204	4.250	4.250	4.115	3.829	4.120	4.175	4.311	4.138	3.830	4.222	4.195	4.010	4.173	4.198	4.194	4.336	4.450	4.338	4.366	4.207	4.094	4.132	4.187
1430122	at	9430002A10Rik	AK020399	NA	8	6.440	6.293	6.343	6.311	5.921	6.204	6.081	6.334	6.233	6.027	6.147	6.051	6.181	6.454	6.234	6.424	6.175	6.222	6.106	6.178	6.332	6.158	6.300	5.938
1430123	a at	Akr1a4	AK009462	Mm.300085	4	13.304	13.633	13.512	13.381	13.624	13.463	13.447	13.332	13.707	13.731	13.393	13.676	13.649	13.684	13.590	13.533	13.285	13.220	13.286	13.241	13.306	13.227	13.313	13.293
1430124	x at	Akr1a4	AK009462	Mm.300085	4	12.175	12.684	12.175	12.227	12.544	12.207	12.141	12.425	12.863	12.765	12.330	12.777	12.638	12.636	12.342	12.248	12.323	12.125	12.183	12.095	12.266	12.348	12.010	11.952
1430125	s at	Palc1	AK009256	Mm.29247	18	9.108	9.424	8.892	9.009	9.171	8.894	8.987	9.633	9.507	9.348	10.059	9.339	9.314	9.455	9.285	9.901	9.174	9.142	9.064	8.511	8.964	9.326	9.006	8.744
1430126	at	2310035C23Rik	AK009628	Mm.337339	1	6.198	6.291	6.120	6.264	6.211	6.053	6.474	6.497	6.376	6.166	6.353	6.169	6.232	6.423	6.100	6.192	6.415	6.227	6.064	6.227	6.441	6.283	6.291	6.261
1430127	a at	Prp2	AK002562	Mm.28147	10	7.282	7.245	7.400	7.263	7.119	7.288	7.360	6.906	7.216	6.938	7.227	7.270	7.196	7.267	7.059	7.213	7.263	7.264	7.271	7.296	7.271	7.296	7.271	7.296
1430129	a at	Commmd8	AK017777	Mm.44223	5	9.205	9.728	9.186	9.398	9.707	9.425	9.328	9.672	9.802	9.658	9.296	9.806	9.682	9.526	9.478	9.138	9.671	9.492	9.471	9.308	9.666	9.802	9.184	9.289
1430130	at	Vvce	B8212004	Mm.169261	19	5.518	5.176	5.328	5.480	5.506	5.146	5.410	5.622	5.534	5.296	5.522	5.230	5.292	5.363	5.298	5.396	5.700	5.404	5.296	5.584	5.412	5.295	5.384	5.229
1430131	at	Crt1	AK017702	Mm.301652	1	6.517	6.207	6.321	6.139	6.221	6.306	6.202	6.359	6.294	6.310	6.246	6.161	6.065	5.979	6.306	6.282	6.483	6.154	6.195	6.146	6.373	6.532	6.485	6.207
1430132	at	Krl28	AK014642	Mm.180256	11	4.567	4.183	4.390	4.470	4.334	4.319	4.294	4.438	4.301	4.292	4.366	4.339	4.286	4.342	4.195	4.338	4.416	4.294	4.440	4.423	4.338	4.461	4.448	4.508
1430133	at	Tldc18b	AK014817	Mm.275869	X	8.354	9.215	8.302	8.147	8.562	8.481	8.387	8.561	8.996	9.112	8.222	8.478	8.650	8.883	8.563	8.238	8.199	8.360	8.439	8.243	8.158	8.198	8.163	8.180
1430134	a at	Yars2	AK008774	Mm.37486	16	8.272	8.585	8.062	8.163	8.053	7.930	8.100	8.703	8.132	8.801	8.192	8.083	7.831	7.869	7.950	8.036	8.838	8.465	8.075	8.067	8.631	8.779	8.055	8.280
1430135	at	Dn30022a	AK007971	Mm.381251	5	5.244	5.006	5.124	5.336	5.611	5.382	5.279	5.107	5.097	5.870	5.325	5.102	5.452	5.158	5.242	5.345	5.881	5.535	5.774	5.295	6.036	5.905	5.897	5.905
1430136	at	Grm3	AK002958	Mm.318966	5	4.743	4.973	5.013	4.983	4.968	4.933	4.896	4.806	4.778	4.733	4.837	4.709	4.763	5.081	4.959	5.004	4.945	4.737	5.123	4.704	4.758	4.896	5.011	5.101
1430137	at	1300020E11Rik	AK004850	Mm.326535	16	7.843	7.583	8.022	7.959	7.810	7.883	8.091	7.855	7.737	7.609	7.728	7.695	7.837	7.783	7.551	8.056	8.007	7.846	7.897	8.013	7.793	7.793	7.895	7.863
1430138	at	Cd3eap	AW987309	Mm.171370	7	7.404	7.402	7.215	7.322	7.514	6.828	7.261	7.665	7.522	7.308	7.497	7.478	7.567	7.146	7.334	7.157	7.640	7.459	7.308	7.336	7.512	7.608	7.077	7.179
1430139	at	Hells	AK021390	Mm.57223	19	8.055	8.171	8.118	7.937	8.171	8.027	8.028	8.216	8.012	7.904	8.240	7.924	7.966	8.188	8.029	8.081	7.905	8.055	8.053	8.264	8.059	7.795	8.274	7.923
1430140	at	1700017N19Rik	AV256988	Mm.72646	10	5.000	4.787	5.135	4.868	4.786	4.828	5.043	4.847	4.822	4.760	4.878	4.960	4.785	4.824	4.954	5.030	5.124	4.991	4.871	5.015	4.859	4.746	4.910	4.870
1430141	at	1200015N20Rik	BB709285	Mm.19825	10	6.033	5.979	5.899	6.066	5.814	5.892	6.041	6.040	5.846	5.955	6.126	5.807	5.862	5.826	6.047	5.952	6.035	6.009	5.957	6.106	5.923	5.952	6.019	5.982
1430142	at	1200149E11Rik	AK001496	Mm.201435	2	7.435	7.209	7.172	7.078																				

1430190	at	1700041C02Rik	AK006668	Mm.425204	4	6.543	6.207	6.437	6.340	6.570	6.548	6.666	6.249	6.386	6.290	6.499	6.336	6.227	6.428	6.787	6.679	6.552	6.773	6.398	6.302	6.590	6.463		
1430191	at	9130004J05Rik	BB748887	NA	15	8.169	8.034	8.226	8.260	8.578	8.250	8.274	8.101	8.075	8.181	8.175	8.091	8.177	8.209	8.053	8.435	8.210	8.053	8.052	8.208	7.808	8.171	8.421	8.130
1430192	at	Casp3	AK014231	Mm.34405	8	6.348	6.383	6.274	6.317	6.384	6.388	6.495	6.414	6.504	6.403	6.371	6.307	6.281	6.277	6.398	6.445	6.284	6.223	6.499	6.314	6.217	6.125	6.451	6.093
1430193	at	Cas5	BF021255	Mm.202518	2	6.255	7.148	6.312	6.530	6.823	6.600	6.736	7.061	7.292	7.416	7.311	6.545	6.645	6.722	6.718	6.418	6.086	6.378	6.570	6.466	6.386	6.321	6.268	6.141
1430194	at	1110018H23Rik	AK003777	Mm.328855	17	5.749	5.552	5.874	5.811	5.774	5.844	5.695	6.131	5.841	5.973	5.984	6.180	5.846	5.852	5.877	5.883	5.786	5.852	6.014	5.982	5.802	5.839	5.820	5.820
1430195	at	2810043C03Rik	BF662697	NA	9	7.502	7.597	7.895	7.662	7.804	7.771	7.578	7.983	7.667	7.920	7.967	7.938	8.110	7.886	8.055	7.570	7.911	7.789	7.516	7.697	7.936	8.315	8.016	8.016
1430196	at	8430408J09Rik	BM120952	NA	5	8.018	7.838	8.199	8.217	8.361	8.319	8.138	8.132	8.219	8.248	8.059	8.245	8.276	8.185	8.326	8.199	8.162	8.213	8.273	8.276	8.295	8.208	8.205	8.127
1430197	a	Pitnmn2	AK015126	Mm.44261	5	6.795	7.008	6.496	6.700	6.851	6.636	6.819	6.692	6.698	6.645	6.737	6.751	6.820	6.531	6.453	6.638	6.760	6.631	6.737	6.803	6.440	6.825	6.404	6.821
1430198	at	3110009F21Rik	AK014028	Mm.390495	12	4.991	4.746	4.506	4.776	4.659	4.635	4.681	4.614	4.549	4.535	4.692	4.482	4.713	4.387	4.487	4.489	4.725	4.752	4.732	4.571	4.563	4.444	4.683	4.808
1430199	at	1700007E05Rik	AV262133	Mm.206718	16	3.955	3.874	3.842	3.877	3.861	4.014	3.962	3.906	3.878	3.764	3.934	3.835	3.829	3.727	4.027	3.881	3.939	3.967	3.955	3.899	3.862	3.895	3.908	4.024
1430200	at	4930579D07Rik	BG067633	Mm.9712	17	5.344	5.362	5.302	5.580	5.077	5.276	5.413	5.304	5.176	5.044	5.232	5.354	5.096	5.154	5.133	5.302	5.318	5.492	5.304	5.558	5.423	5.375	5.357	5.384
1430201	at	9130017K11Rik	AV374494	Mm.441823	11	6.429	6.331	6.652	6.587	6.549	6.502	6.588	6.776	6.251	6.455	6.409	6.552	6.462	6.271	6.624	6.559	6.771	6.429	6.279	6.741	6.782	6.802	6.797	6.562
1430202	at	1700108F19Rik	AV208370	Mm.116804	14	5.935	5.693	6.114	6.066	5.738	5.807	5.814	5.892	5.580	5.734	5.797	5.551	5.666	5.818	5.683	5.742	5.892	5.721	5.852	5.949	5.966	5.990	5.997	5.698
1430203	at	Usp16	BG067256	Mm.152941	16	7.469	7.529	7.287	7.337	7.291	7.320	7.375	7.501	7.525	7.322	7.515	7.357	7.362	7.490	7.221	7.421	7.232	7.395	7.399	7.472	7.436	7.383	7.591	7.372
1430204	at	5033425G24Rik	BB323924	Mm.448658	12	6.210	5.739	6.441	6.187	6.203	6.401	6.412	6.181	5.832	5.841	6.288	6.012	6.172	6.109	6.445	6.368	6.339	6.472	6.431	6.382	6.218	6.323	6.397	6.567
1430205	a	Cdc37I1	AK016651	Mm.78875	19	8.059	7.782	8.178	8.082	7.715	7.890	8.014	7.974	7.301	7.770	8.032	7.929	7.629	7.702	8.012	8.191	8.003	8.052	8.096	8.063	8.051	7.912	8.356	8.501
1430206	at	4933407L21Rik	AK016730	Mm.444245	1	6.324	6.022	6.262	6.263	6.076	6.024	6.199	6.133	6.099	5.992	6.167	6.011	6.046	5.952	5.990	6.180	6.339	6.157	6.139	6.217	6.058	6.272	6.223	6.171
1430207	at	4933437N03Rik	AV265727	Mm.443256	4	6.082	5.825	5.975	5.940	5.710	6.020	6.051	5.909	6.030	5.803	5.978	5.799	5.703	5.916	5.973	6.072	6.012	6.041	6.136	6.007	5.980	5.893	5.888	6.070
1430208	at	Krr42	AK019115	Mm.158190	11	6.141	5.991	6.127	6.128	6.118	6.084	6.200	6.173	5.965	5.938	5.926	5.951	5.803	5.890	6.045	6.190	6.316	6.019	6.219	5.992	6.176	6.112	6.069	6.264
1430209	at	4930404H21Rik	AK015080	Mm.159067	7	4.634	4.686	4.827	4.682	4.574	4.693	4.764	4.771	4.694	4.594	4.739	4.438	4.660	4.553	4.689	4.750	4.694	4.666	4.786	4.888	4.687	4.529	4.732	4.647
1430210	at	C330024D12Rik	AK021221	Mm.425468	7	7.468	4.809	6.448	6.855	4.743	4.662	4.789	4.778	4.712	4.676	4.927	4.616	4.646	4.720	4.682	4.727	4.741	4.695	4.612	4.597	4.653	4.721	4.627	4.800
1430211	at	4930415O20Rik	AK015155	Mm.66894	5	6.789	6.479	6.506	6.500	6.316	6.412	6.577	6.554	6.428	6.217	6.621	6.490	6.409	6.492	6.391	6.523	6.698	6.338	6.410	6.501	6.585	6.509	6.560	6.499
1430212	at	Zfp712	BB278024	Mm.297247	13	5.992	5.523	5.625	5.946	5.571	5.806	6.252	5.584	5.790	5.574	5.805	5.809	5.657	5.801	5.804	5.696	5.599	5.779	5.880	5.859	5.785	5.712	6.031	5.616
1430213	at	Rcbb1	AK017287	Mm.234195	14	8.045	7.651	7.864	7.963	7.828	7.890	7.828	7.907	7.988	7.667	7.732	7.631	7.969	7.918	7.876	7.869	7.752	7.622	7.683	7.919	7.845	7.795	8.052	7.849
1430214	a	2610020H08Rik	BB103211	Mm.38237	7	7.681	7.811	7.566	7.571	7.632	7.578	7.752	7.587	7.729	7.571	7.703	7.430	7.727	7.696	7.492	7.566	7.478	7.472	7.567	7.436	7.508	7.462	7.591	7.459
1430215	at	2610020H08Rik	BB103211	Mm.38237	7	6.185	6.718	6.242	6.417	6.301	6.316	6.276	6.618	6.820	7.041	6.598	6.537	6.599	6.667	6.497	6.255	6.376	6.429	6.462	6.320	6.432	6.440	6.437	6.156
1430216	at	Zfp292	AK015923	Mm.38193	9	5.739	5.865	5.512	5.844	5.941	7.777	6.846	5.549	5.763	5.844	5.493	5.723	5.485	5.515	5.443	5.515	5.438	5.709	5.587	5.834	6.014	5.962	5.839	5.818
1430217	at	AK014976	Mm.127952	6	6.177	4.920	5.155	5.094	6.101	6.226	5.678	5.263	5.173	5.055	5.262	5.210	5.141	5.200	5.085	5.087	5.200	5.202	5.085	5.092	5.196	5.202	5.137	5.427	5.207
1430218	at	4933424M12Rik	AK016899	Mm.148731	4	5.173	4.890	4.716	4.707	4.771	4.668	4.971	4.880	4.791	4.578	4.870	4.532	4.950	4.859	4.634	4.747	4.830	4.816	5.048	4.868	4.871	4.988	4.716	4.514
1430219	at	Aktip	AK017861	Mm.324588	8	3.755	3.761	3.773	3.877	3.668	3.745	3.737	3.891	3.740	3.679	3.715	3.735	3.651	3.737	3.628	3.742	3.724	3.781	3.743	3.737	3.804	3.688	3.765	3.743
1430220	at	4933420G17Rik	AK017802	Mm.390641	13	7.650	7.637	7.368	7.752	7.507	7.780	7.602	7.607	7.796	7.858	7.787	7.926	8.002	7.669	7.688	7.488	7.769	7.531	7.398	7.464	7.689	7.833	7.519	7.189
1430221	at	9130008F23Rik	BB763680	Mm.158733	17	6.948	7.321	7.353	7.266	7.091	7.314	7.235	7.088	7.344	7.240	7.380	7.406	7.294	7.396	7.502	7.110	7.302	7.212	7.282	7.438	7.288	7.175	7.315	7.421
1430222	at	9130007G19Rik	BB539672	Mm.388072	2	4.392	4.412	4.408	4.562	4.454	4.474	4.527	4.454	4.750	4.551	4.716	4.465	4.524	4.505	4.327	4.628	4.487	4.948	4.781	4.754	4.568	4.440	4.531	4.608
1430223	at	5930442P07Rik	AI507044	Mm.395790	17	6.275	5.862	6.232	6.183	5.951	6.240	6.291	6.115	5.957	5.908	6.114	5.987	6.031	6.060	6.159	6.277	6.123	6.189	6.269	6.358	6.264	5.919	6.357	6.121
1430224	at	AK015682	Mm.530770	7	7.793	7.367	7.623	7.585	7.152	7.759	7.462	7.992	7.543	7.554	7.429	7.406	7.377	7.357	7.854	7.952	7.582	7.682	7.803	7.952	7.995	7.926	7.887	7.888	7.888
1430225	at	Exo1	AK017635	Mm.283046	1	4.148	4.123	4.233	4.034	4.172	4.311	4.159	3.983	3.942	4.092	4.054	4.256	4.107	4.084	4.144	4.265	4.219	4.260	4.158	3.352	4.365	4.115	4.106	4.426
1430226	at	Xlr4c	AK013623	Mm.104764	X	7.272	7.085	7.201	7.298	7.175	6.992	7.484	7.264	7.254	7.140	7.144	7.255	7.170	7.233	7.076	7.084	7.314	7.185	7.100	7.341	7.219	7.115	7.343	7.093
1430227	at	1700007I08Rik	AI507126	NA	2	6.571	6.167	6.770	6.539	6.490	6.426	6.431	6.532	6.349	6.329	6.638	6.508	6.624	6.657	6.513	6.477	6.515	6.594	6.649	6.743	6.618	6.429	6.529	6.643
1430228	at	Dtl	AV308327	Mm.189102	1	7.077	7.060	7.208	7.016	7.093	7.067	7.209	7.363	7.146	6.973	7.106	6.931	7.067	7.346	7.131	7.066	6.726	6.857	7.140	7.059	6.980	6.736	7.051	6.941
1430229	at	Rscr137c	AK018183	Mm.343793	14	5.372	4.984	5.365	5.126	5.140	5.165	5.079	5.149	5.135	5.200	5.260	4.979	5.205	5.197	5.246	5.232	5.085	5.294	5.408	5.363	5.274	5.244	5.251	5.234
1430230	at	Rcd1	BB709108	Mm.265552	1	5.995	5.469	5.987	5.606																				

1430279	at	3110038A09Rik	AV166524	NA	18	5.421	5.296	5.419	5.415	5.383	5.340	5.484	5.357	5.234	5.098	5.441	5.336	5.226	5.218	5.394	5.211	5.359	5.237	5.350	5.702	5.420	5.354	5.294	5.525
1430280	at	1810062G17Rik	AK007933	Mm.55317	3	7.085	7.213	7.108	7.056	7.196	7.193	7.202	7.516	7.395	7.092	7.232	7.280	7.399	7.067	7.054	7.331	7.353	7.316	7.307	7.313	7.133	7.136	6.984	7.083
1430281	at	Glipr111	AK005860	Mm.47058	10	4.478	4.229	4.414	4.441	4.215	4.245	4.233	4.362	4.293	4.411	4.372	4.258	4.307	4.256	4.217	4.276	4.403	4.643	4.517	4.435	4.428	4.516	4.328	4.518
1430282	at	5730437N04Rik	AK003559	Mm.46654	17	7.048	6.690	7.042	7.001	7.155	7.038	7.130	7.203	6.844	6.969	7.158	7.013	7.121	6.938	6.978	7.154	7.095	6.949	7.035	7.056	6.996	6.964	7.128	7.256
1430283	s at	L17c67	AK005871	Mm.386795	1	4.937	4.907	4.910	5.003	4.591	4.988	4.927	4.907	4.594	4.945	4.783	5.045	4.845	4.891	4.874	4.988	4.968	4.988	5.170	4.773	4.968	4.959	5.044	
1430284	at	1700008P02Rik	AK005786	Mm.45822	3	5.729	4.400	5.869	5.694	5.607	5.798	5.851	5.825	5.598	5.464	5.682	5.555	5.687	5.750	5.484	5.843	5.801	5.903	5.768	6.031	6.032	5.953	5.858	5.973
1430285	at	LOC100043766	AK013448	Mm.460455	2	7.735	7.829	7.641	7.683	7.527	7.747	7.720	7.846	7.734	7.729	7.722	7.846	7.664	7.399	7.510	7.417	7.821	7.789	7.879	7.754	8.029	7.790	7.917	
1430286	s at	LOC100043766	AK013448	Mm.460455	2	10.364	10.866	10.534	10.831	10.520	10.757	10.867	10.673	10.539	10.545	10.124	10.943	10.552	10.251	10.555	10.445	11.216	11.199	10.706	10.807	10.931	11.053	10.622	10.194
1430287	s at	Hemk1	AK009239	Mm.259467	9	9.511	10.066	9.807	9.412	9.850	9.273	9.265	9.809	10.001	10.164	9.716	9.124	9.021	9.026	10.051	9.735	10.204	10.480	10.384	10.414	10.480	10.128	10.389	10.272
1430288	x at	Rps21	AK007850	Mm.289669	2	12.236	12.613	11.691	11.930	12.316	11.998	12.000	13.185	13.141	12.383	12.116	12.828	12.644	12.248	11.909	11.682	13.291	12.662	12.037	11.965	13.025	13.192	11.930	11.520
1430289	a at	Wdr77	AK012014	Mm.5110	3	7.143	7.583	7.453	7.649	7.375	7.385	7.393	7.416	7.176	7.373	7.751	7.217	7.443	7.849	7.519	7.502	7.313	7.105	7.643	7.661	7.179	6.983	7.525	7.651
1430290	at	ENSMUSG000000	BM207059	NA	5	4.127	4.262	4.121	4.384	4.247	4.283	4.243	4.204	4.188	4.175	4.215	4.229	4.069	4.203	4.179	4.210	4.375	4.229	4.102	4.109	4.245	4.286	4.394	4.040
1430291	at	Dock4	AK004325	Mm.258155	14	8.382	8.471	8.280	8.232	8.470	8.237	8.478	8.253	8.412	8.414	8.315	8.121	8.325	8.418	8.176	8.308	8.280	8.423	8.370	8.264	8.911	8.151	8.252	8.497
1430292	at	1810030N24Rik	BG792484	Mm.28071	4	10.244	10.039	10.049	10.101	10.149	10.215	10.155	10.734	10.011	9.834	10.226	10.427	10.156	9.629	9.691	10.027	11.333	10.960	10.357	10.343	10.961	11.133	10.176	9.862
1430293	a at	Fdx1	AK020979	Mm.196137	9	10.154	10.974	10.077	10.407	10.559	10.156	10.323	10.522	10.722	10.560	10.462	10.670	10.563	10.514	10.275	10.112	10.528	10.543	10.352	10.240	10.411	10.326	10.257	10.078
1430294	at	Ssbp1	AK013425	Mm.276356	6	7.377	7.234	7.400	7.450	7.368	7.269	7.563	7.482	7.375	7.431	7.396	7.345	7.363	7.397	7.350	7.283	7.476	7.295	7.382	7.440	7.464	7.205	7.377	7.399
1430295	at	Gna13	BG094302	Mm.193925	11	8.141	8.778	8.104	8.106	8.708	8.199	8.437	8.671	8.977	8.840	8.651	9.040	8.879	8.599	8.530	8.249	8.338	8.490	8.456	8.186	8.289	8.461	7.957	8.090
1430296	at	4733401H21Rik	AK014635	Mm.347981	11	5.348	5.151	5.274	5.321	5.265	5.215	5.406	5.215	5.045	5.250	5.152	5.134	5.261	5.197	5.161	5.253	5.232	5.385	5.179	5.214	5.216	5.128	5.359	5.391
1430297	a at	2010301N04Rik	AK008513	Mm.31770	6	5.917	6.050	6.015	5.736	5.982	5.761	5.980	6.101	6.117	6.221	6.009	6.049	6.063	6.225	5.877	5.990	6.076	5.783	6.075	5.923	5.879	5.733	6.015	5.744
1430298	at	4930473A06Rik	AK015166	Mm.180032	4	5.258	5.278	5.055	5.189	5.361	5.294	5.395	5.359	5.242	5.212	5.235	5.411	5.419	5.378	5.165	5.207	5.627	5.314	5.263	5.468	5.145	5.198	5.322	5.205
1430299	at	Tsc2d4	BF318506	Mm.286399	5	7.911	7.795	7.844	7.983	7.687	7.782	7.859	7.794	7.697	7.789	7.807	7.821	7.763	7.719	7.594	7.842	7.940	8.146	7.833	7.995	7.957	7.948	7.847	8.016
1430300	at	Scot1	BE632264	Mm.129731	11	7.206	7.168	7.185	7.099	7.004	6.980	7.166	7.049	6.771	6.946	6.946	6.941	6.835	6.950	7.236	6.975	7.056	7.254	7.145	7.068	7.151	7.084	7.120	7.120
1430301	at	Stxbp5	AK002951	Mm.331751	10	6.276	6.180	6.412	6.555	6.614	5.967	6.376	6.187	6.183	6.309	6.626	6.345	6.372	6.315	6.335	6.468	6.406	6.534	6.416	6.410	6.272	6.366	6.464	6.376
1430302	at	Cnrip1	AK019934	Mm.425666	11	8.230	8.738	8.033	8.114	7.993	7.859	8.112	8.054	8.343	8.264	8.058	8.095	8.298	8.033	8.052	8.042	8.128	8.092	7.953	8.074	8.115	8.362	8.050	8.011
1430303	at	Ccdc41	AI465236	Mm.296971	10	9.044	9.480	8.839	8.845	8.666	9.111	8.974	8.829	7.987	8.271	8.528	8.564	8.323	8.271	8.853	9.058	9.208	9.121	9.039	9.264	9.254	9.269	9.060	9.265
1430304	at	Wdr76	AK020004	Mm.293284	2	5.841	5.367	5.544	5.499	4.276	5.474	5.426	5.407	5.502	5.649	5.226	5.451	5.490	5.559	5.396	5.363	5.507	5.510	5.579	5.522	5.396	5.472	5.496	5.483
1430305	at	Z50004AC02Rik	AK001012	Mm.200102	2	4.590	4.450	4.502	4.468	4.498	4.481	4.482	4.425	4.358	4.406	4.355	4.406	4.355	4.426	4.355	4.426	4.355	4.426	4.355	4.426	4.355	4.426	4.355	4.426
1430306	at	Wdr19c1c2	AK004157	Mm.177978	12	6.758	6.706	6.322	6.466	6.434	6.324	6.333	6.524	6.574	6.573	6.574	6.573	6.574	6.573	6.574	6.573	6.574	6.573	6.574	6.573	6.574	6.573	6.574	6.573
1430307	a at	Me1	AK006387	Mm.148155	9	11.477	11.163	11.282	11.420	11.217	11.396	11.379	11.037	10.972	11.196	11.157	11.380	11.208	11.107	11.372	11.401	11.528	11.524	11.879	11.756	11.556	11.576	11.815	11.866
1430308	at	5730409N16Rik	BB093977	Mm.372218	12	5.915	5.845	5.964	5.747	5.721	5.834	5.712	5.836	5.893	5.748	5.724	5.793	5.584	5.763	5.842	5.760	5.570	5.600	5.732	5.930	5.668	5.796	6.004	5.697
1430309	at	Nipbl	BC025455	Mm.240329	15	9.608	9.485	9.713	9.753	9.844	9.489	9.549	9.891	9.597	9.664	9.656	9.439	9.706	9.526	9.731	9.714	10.049	9.883	9.653	9.676	9.944	10.138	9.724	9.799
1430310	at	Tspan11	BB535262	Mm.174368	6	7.517	7.377	7.534	7.547	7.599	7.294	7.630	7.590	7.460	7.570	7.548	7.486	7.936	7.707	7.516	7.496	7.465	7.567	7.514	7.678	7.558	7.650	7.717	7.660
1430311	at	Marcks	AV304251	Mm.30059	10	6.954	7.145	6.791	6.920	7.026	6.876	7.118	7.172	7.477	7.276	7.338	7.201	7.186	7.255	7.119	7.023	6.983	6.793	7.034	7.007	6.937	6.936	6.988	6.722
1430312	at	Wrb	AK021091	Mm.255063	16	6.060	5.896	5.984	6.048	5.968	6.055	6.019	5.919	5.877	5.917	6.047	5.983	5.994	6.075	5.938	6.034	6.000	5.932	5.971	6.117	5.925	5.906	5.911	5.906
1430313	at	Adams1	AK012486	Mm.137100	4	5.239	5.253	5.018	4.968	5.477	5.095	5.325	5.355	5.569	5.327	5.231	5.251	5.419	5.278	5.565	5.228	5.427	5.527	5.788	5.527	5.788	5.527	5.788	5.527
1430314	at	4933437F05Rik	BB217068	Mm.79198	12	6.862	6.600	6.822	6.741	6.545	6.832	6.774	6.732	6.808	6.618	6.850	6.566	6.681	6.623	6.749	6.777	6.698	6.701	6.727	6.957	6.709	6.653	6.749	6.773
1430315	at	1700010N08Rik	AV260173	Mm.212736	7	5.149	4.733	4.971	5.047	4.942	4.929	5.033	4.947	4.758	4.936	4.955	5.044	4.926	5.014	4.937	5.005	5.025	5.039	5.057	5.263	4.968	4.808	5.003	4.955
1430316	at	4930579E17Rik	BB454777	Mm.261764	12	8.298	8.185	8.658	8.213	8.312	8.499	8.503	8.117	8.002	8.158	8.119	8.303	8.353	8.292	8.325	8.442	8.118	8.288	8.363	8.522	8.250	8.101	8.324	8.352
1430317	at	Ube212	BB279437	Mm.371673	4	7.319	7.450	7.280	7.125	6.732	7.215	6.984	7.190	7.107	6.933	6.394	7.183	6.964	7.054	6.956	7.248	7.040	7.222	7.173	6.935	6.983	6.986	7.195	6.820
1430318	at	Sat2	BB745042	Mm.340410	11	8.806	8.483	8.577	8.616	8.818	8.810	8.605	8.648	8.532	8.636	8.616	8.791	8.797	8.534	8.641	8.603	8.794	8.670	8.812	8.688	8.502	8.818	8.453	8.455
1430319	at	48334																											

1430368	s	at	1700019D03Rik	AK006110	Mm.236287	1	5.472	5.320	5.397	5.653	5.490	5.406	5.133	5.747	5.346	5.256	5.295	5.535	5.387	5.399	5.351	5.233	5.611	5.417	5.571	5.407	5.744	5.274	5.335		
1430369	at		Epb4.1	BB533969	Mm.30038	4	7.730	7.145	7.687	7.594	7.777	7.664	7.547	7.362	6.815	7.069	7.135	7.142	7.201	7.308	7.440	7.778	7.621	7.544	7.643	7.697	7.630	7.565	7.874	7.865	
1430370	at		Eprs	BM248156	Mm.154511	1	5.447	5.309	5.498	5.340	5.411	5.547	5.351	5.324	5.445	5.425	5.505	5.253	5.557	5.422	5.538	5.555	5.404	5.434	5.536	5.641	5.552	5.226	5.478	5.766	
1430371	x	at	EIf2aK3	AK010397	Mm.247167	6	4.170	4.251	4.097	4.111	4.110	4.092	4.166	4.208	4.404	3.934	4.245	4.132	4.141	4.133	4.111	4.089	4.076	4.165	4.226	3.998	4.263	4.124	4.019	4.028	
1430372	at		D730045B01Rik	AK021342	Mm.150009	5	7.526	7.210	7.330	7.350	7.327	7.136	7.332	7.482	7.323	7.230	7.280	7.364	7.396	7.343	7.247	7.142	7.428	7.536	7.282	7.447	7.482	7.307	7.409	7.409	
1430373	at		5430427101Rik	A1645098	Mm.185296	X	5.636	5.812	5.531	5.553	5.547	5.677	5.907	5.469	5.809	6.004	5.726	5.511	5.674	6.018	5.750	5.506	5.345	5.611	5.845	5.637	5.587	5.445	5.673	5.547	
1430374	at		Slc25a37	AK019700	Mm.293635	14	5.744	5.084	5.711	5.267	5.444	5.445	5.338	5.387	5.395	5.241	5.509	5.251	5.283	5.391	5.494	5.525	5.298	5.467	5.463	5.798	5.632	5.535	5.547	5.677	
1430375	a	at	Ccl27	BE198116	Mm.335946	4	7.852	7.681	7.704	7.988	7.794	7.723	7.633	7.690	7.554	7.550	7.558	7.780	7.741	7.351	7.621	7.713	8.442	8.187	7.988	7.976	8.149	8.073	7.611	7.538	
1430376	at		Lrrc9	AK019545	Mm.266280	12	4.548	4.465	4.512	4.671	4.433	4.360	4.539	4.763	4.648	4.588	4.478	4.603	4.576	4.599	4.647	4.606	4.523	4.561	4.446	4.701	4.510	4.488	4.470	4.417	
1430377	at		1300015D01Rik	AK005014	Mm.208098	2	6.201	6.430	6.231	6.206	6.312	6.259	6.269	6.118	6.200	6.130	6.158	6.217	6.044	6.172	6.077	6.228	6.327	6.411	6.210	6.268	6.408	6.094	6.221	6.405	
1430378	at		2900011G08Rik	AK013526	Mm.383938	14	7.808	7.815	7.858	7.923	7.991	7.700	7.933	7.675	7.570	7.608	7.743	7.542	7.433	7.534	7.771	7.917	7.917	7.805	8.032	7.944	7.888	7.789	7.868	7.855	7.801
1430379	at		5830411K21Rik	BM220939	Mm.440725	2	5.862	6.507	5.724	5.747	5.875	5.932	5.814	6.528	7.174	6.981	6.199	6.422	6.356	6.534	6.409	5.571	6.026	6.030	5.923	5.700	5.967	6.212	5.648	5.774	
1430380	at		N6a1m1	AK012019	Mm.296532	16	5.590	5.130	5.241	5.267	5.265	5.042	5.288	5.303	5.353	5.236	5.407	5.187	5.327	5.173	5.209	5.198	5.345	5.191	5.291	5.269	5.544	5.261	5.428	5.309	
1430381	at		Ftsl1	AK004357	Mm.327529	X	7.980	7.505	7.879	7.992	7.977	7.824	7.889	7.930	8.023	7.755	7.931	7.734	7.867	7.726	7.885	7.811	7.715	7.922	7.993	8.157	7.928	7.704	7.911	7.944	
1430382	at		4833413G10Rik	A1464127	Mm.379196	5	6.695	6.282	6.495	6.706	6.544	6.454	6.449	6.394	6.511	6.373	6.409	6.659	6.557	6.265	6.526	6.532	6.509	6.467	6.620	6.700	6.491	6.548	6.519	6.834	
1430383	at		Ceacam20	AU022382	Mm.98097	7	6.302	5.690	6.090	6.135	6.058	6.238	6.168	5.999	5.848	6.004	6.131	5.753	6.055	5.991	6.284	6.118	6.083	6.128	6.081	6.080	6.167	6.086	6.198	6.323	
1430384	at		Tle4	AK017548	Mm.103638	19	6.152	5.924	6.177	6.241	6.078	6.313	6.155	6.105	6.035	6.000	6.080	6.207	6.183	6.073	6.059	6.085	6.055	6.248	5.996	6.144	6.093	6.125	6.432	6.207	
1430385	a	at	Gbl1	BB207162	Mm.458319	1	5.828	5.691	5.792	5.577	5.928	5.945	5.709	5.884	5.881	5.960	6.225	6.010	5.848	6.117	6.003	5.584	5.720	5.836	5.855	5.684	5.544	5.668	5.545	5.501	
1430386	at		E030024N20Rik	BM240254	Mm.443406	19	7.210	7.666	7.378	7.394	7.504	7.449	7.482	7.349	7.485	7.561	7.263	7.429	7.408	7.293	7.442	7.405	7.205	7.290	7.230	7.337	7.339	7.188	7.327	7.309	
1430387	at		1810077300Rik	AK007978	Mm.393409	17	4.943	5.240	4.560	5.381	5.292	5.541	5.252	5.457	5.205	5.290	5.467	4.979	5.453	5.488	5.325	5.296	5.123	5.052	5.185	5.105	5.168	5.102	5.023	5.506	
1430388	a	at	Su12	AK008108	Mm.383702	2	9.936	10.350	9.837	10.090	10.173	9.932	9.841	10.305	10.407	10.705	10.200	10.342	10.459	9.951	10.232	10.001	10.070	10.188	10.176	9.985	9.916	9.940	9.483	9.821	
1430389	at		Lrio2	A1847840	Mm.34855	3	5.855	5.559	5.807	5.937	5.704	5.696	5.841	5.772	5.643	5.508	5.805	5.628	5.708	5.731	5.621	5.598	5.617	5.574	5.642	5.809	5.980	5.689	5.857	5.790	
1430390	x	at	EG639644	AV262227	Mm.300513	16	5.282	5.125	5.212	5.375	5.262	5.181	5.471	5.314	5.313	4.998	5.194	5.132	5.173	5.505	5.310	5.306	5.367	5.462	5.353	5.274	5.299	5.218	5.422	5.482	
1430391	a	at	S28sia4	AK003690	Mm.306228	1	6.204	6.824	6.536	6.399	6.404	6.493	6.444	6.568	6.475	6.411	6.568	6.245	6.368	6.621	6.441	6.439	6.404	6.451	6.564	6.564	6.287	6.441	6.295	6.307	
1430392	at		9530086007Rik	AK020657	Mm.445822	6	8.271	8.255	7.549	7.389	8.484	8.150	7.759	7.597	7.464	8.679	8.619	8.568	8.235	8.542	7.788	8.072	7.848	7.128	7.343	7.104	7.038	7.263	7.593	7.658	
1430393	at		25100171JRik	AV105737	NA	5	7.014	6.793	6.917	6.912	6.878	6.886	6.818	7.080	6.696	6.626	7.112	6.666	6.694	6.657	6.687	6.715	6.887	6.862	6.844	6.726	6.948	7.036	6.877	6.642	
1430394	a	at	1010045C21Rik	AK026749	Mm.254839	5	5.609	5.441	5.606	5.441	5.609	5.441	5.606	5.441	5.609	5.441	5.606	5.441	5.609	5.441	5.606	5.441	5.609	5.441	5.606	5.441	5.609	5.441	5.606	5.441	5.609
1430395	at		AK016775	AK016775	NA	7	7.109	7.142	7.181	6.933	7.272	7.022	7.074	7.040	7.374	7.142	7.202	7.100	6.955	6.946	7.122	6.889	6.916	7.042	6.897	6.916	7.042	6.897	6.916	7.042	6.897
1430396	at		5930403107Rik	AK017485	Mm.58958	9	6.110	5.794	5.972	5.969	6.063	6.196	5.970	5.918	5.767	5.773	5.993	5.663	5.930	5.886	5.903	6.093	5.939	5.973	6.242	6.444	6.083	5.887	6.006	6.072	
1430397	at		Got2	BB559311	Mm.230169	8	5.953	5.915	5.853	5.899	5.915	5.874	6.007	5.822	5.820	5.570	5.852	5.871	5.802	5.787	5.837	6.003	6.286	6.192	6.082	6.094	6.103	6.004	6.116	6.116	
1430398	at		4921517011Rik	BB014532	Mm.399566	18	7.931	7.163	7.847	7.838	7.653	7.729	7.849	7.709	7.505	7.443	7.674	7.453	7.554	7.565	7.752	7.806	7.765	7.883	7.872	8.080	7.712	7.691	7.743	7.729	
1430399	at		Pot1b	AK013364	Mm.177073	17	6.779	6.531	6.650	6.866	6.432	6.797	6.662	6.762	6.702	6.477	6.617	6.312	6.419	6.710	6.323	6.701	6.509	6.650	6.537	6.685	6.762	6.175	6.744	6.621	
1430400	at		4930521A18Rik	AK015858	Mm.246796	1	4.774	4.645	4.566	4.574	4.450	4.405	4.530	4.403	4.452	4.575	4.587	4.403	4.487	4.576	4.683	4.559	4.398	4.543	4.569	4.692	4.659	4.614	4.451	4.512	
1430401	at		3110045C21Rik	AK014177	Mm.396611	1	6.324	6.373	7.080	6.538	6.492	6.723	6.599	6.723	6.615	6.446	6.474	6.650	6.511	6.755	6.716	6.924	6.484	6.452	6.475	6.532	6.672	6.553	6.701	6.514	
1430402	at		49323433C1Rik	Mm.37694	2	7.945	6.647	4.055	4.054	6.955	4.826	4.332	4.985	4.867	6.948	4.826	4.796	4.826	4.796	4.826	4.796	4.826	4.796	4.826	4.796	4.826	4.796	4.826	4.796	4.826	
1430403	at		Usp3	BB227850	Mm.178524	11	5.663	5.655	5.576	5.728	5.763	5.571	5.342	5.690	5.832	5.685	5.654	6.014	5.769	5.864	5.668	5.477	5.639	5.577	5.544	5.544	5.710	5.678	5.719	6.004	
1430404	at		Aknap13	BM239430	Mm.216107	7	8.220	7.902	8.154	7.984	8.393	8.164	8.058	7.371	8.445	8.317	8.090	8.268	8.626	8.074	8.183	8.039	7.819	7.942	8.029	7.811	7.903	7.979	7.766	7.904	
1430405	at		1700061171Rik	AK006854	Mm.158997	3	6.376	5.977	6.433	6.105	6.258	6.199	6.239	6.149	6.185	6.048	6.213	6.109	6.151	6.174	6.119	6.237	6.434	6.494	6.127	6.249	6.235	6.317	6.396	6.255	
1430406	at		Dennb1b	AK015524	Mm.337264	1	7.680	7.309	7.645	7.394	7.262	7.379	7.441	7.395	7.380	7.324	7.405	7.264	7.257	7.393	7.291	7.752	7.398	7.737	7.504	7.447	7.446	7.247	7.433	7.534	
1430407	at		3100035C09Rik	AV165325	Mm.158958	10	5.626	5.585	5.754	5.847	5.690	5.566	5.441	5.777	5.681	5.575	5.735	5.540	5.595	5.581	5.9										

1430457	at	Daf2	AK019553	Mm.436759	1	5.601	5.059	5.713	5.488	5.516	5.510	5.699	5.620	5.776	5.297	5.972	5.524	5.703	5.652	5.570	5.568	5.547	5.732	5.621	5.591	5.582	5.673
1430458	at	Supt6h	AV311400	Mm.20755	11	5.424	5.340	5.598	5.490	5.388	5.631	5.552	5.362	5.275	5.506	5.477	5.089	5.186	5.197	5.459	5.727	5.439	5.530	5.188	5.436	5.188	5.444
1430459	at	463242C04Rik	AV370407	Mm.458433	16	6.774	6.493	6.594	6.838	6.723	6.538	6.759	6.734	6.903	6.548	6.905	6.533	6.711	6.728	6.555	6.761	6.543	6.399	6.768	6.784	6.927	6.543
1430460	at	Z310047O13Rik	AW554864	Mm.34059	2	5.223	5.330	5.286	5.109	5.450	5.279	5.232	4.856	5.317	5.460	5.236	5.302	5.154	5.243	5.285	5.415	5.180	5.567	5.231	5.263	5.281	5.297
1430461	at	1700120E14Rik	AK007214	Mm.444734	18	6.234	6.180	6.209	6.259	5.994	5.987	6.258	6.124	6.073	6.116	6.496	6.128	6.198	6.383	6.185	6.099	6.236	6.049	6.246	6.189	6.076	6.318
1430462	at	Z310002J09Rik	AK009124	Mm.158769	4	10.989	10.116	10.499	9.922	9.987	10.087	10.771	10.919	9.820	10.165	10.828	9.863	9.284	9.979	10.687	10.441	10.177	9.925	10.556	10.022	10.539	9.757
1430463	a	at	Sncalp	AK016941	Mm.292168	18	5.796	5.723	5.962	5.908	5.779	5.576	5.676	5.792	5.750	5.538	5.895	5.798	5.772	5.902	5.978	5.892	5.590	5.902	5.844	6.021	5.834
1430464	at	9430021M05Rik	AK020430	Mm.376571	2	7.076	6.877	6.989	6.858	7.050	6.904	7.089	7.059	7.197	6.863	7.385	6.922	7.161	7.181	7.092	6.796	6.961	6.965	7.156	7.282	7.034	6.873
1430465	at	Ralv	AK014614	Mm.221440	2	6.028	5.718	5.860	5.969	6.317	6.056	5.966	6.119	6.075	5.999	6.183	6.053	6.043	6.146	6.024	6.060	6.048	6.061	6.044	6.258	6.239	5.992
1430466	at	Z310005G13Rik	AK009173	Mm.58105	16	5.156	5.077	4.857	4.782	5.176	4.983	5.252	4.913	5.134	5.217	5.394	5.176	5.278	4.849	4.965	4.881	4.874	5.064	5.283	5.040	5.134	4.868
1430467	at	4921511H03Rik	AK014870	Mm.158494	5	6.625	6.109	6.399	6.329	6.317	6.433	6.239	6.378	6.192	5.990	6.407	6.027	6.416	6.183	6.119	6.285	6.457	6.136	6.347	6.737	6.233	6.164
1430468	at	Z810449Z22Rik	AI465509	Mm.392577	1	4.995	4.814	5.383	4.945	4.769	5.220	5.001	4.877	5.017	4.695	5.110	4.706	4.966	5.075	5.017	4.959	5.132	5.073	5.113	5.309	4.966	4.774
1430469	at	Ttlis	AK006726	Mm.132172	12	7.179	7.016	7.211	7.186	6.895	7.117	7.226	6.935	6.956	6.559	7.150	6.763	7.020	7.026	7.040	7.000	6.969	7.006	7.024	7.347	6.961	6.848
1430470	at	5730411F24Rik	BE197771	Mm.418303	18	6.816	6.870	6.890	6.859	6.865	6.696	6.435	6.469	6.607	6.704	6.419	6.641	6.518	6.659	6.583	7.208	6.702	6.727	6.244	6.408	6.699	6.671
1430471	at	9230110K08Rik	BB542799	Mm.462335	4	6.488	6.351	6.422	6.285	6.539	6.386	6.219	6.920	6.077	6.267	7.400	6.251	6.568	6.342	6.620	6.216	6.489	6.609	6.462	6.395	6.346	6.571
1430472	at	Armcl	BB831717	Mm.316007	3	4.615	4.358	4.438	4.431	4.507	4.429	4.434	4.496	4.434	4.568	4.387	4.456	4.413	4.289	4.425	4.572	4.421	4.420	4.352	4.521	4.337	4.194
1430473	at	9530034A14Rik	AK020584	Mm.410766	3	4.699	4.425	4.658	4.549	4.780	4.682	4.534	4.733	4.736	4.624	4.858	4.790	4.931	4.693	4.739	4.644	4.835	4.637	4.452	4.909	4.773	4.571
1430474	a	at	Mtch2	AK007757	Mm.28023	2	11.862	11.756	11.918	11.804	11.733	11.836	11.912	11.884	11.484	11.785	11.775	11.868	11.625	11.703	11.856	11.873	11.971	12.051	12.039	12.013	12.097
1430475	at	NA	AK013187	NA	NA	4.812	4.623	4.798	4.775	4.691	4.591	4.807	4.635	4.627	4.708	4.665	4.680	4.569	4.755	4.532	4.555	5.071	4.624	4.711	4.760	4.741	4.720
1430476	at	Srp54b	AK010716	Mm.475857	12	7.010	6.993	6.972	6.960	6.810	6.907	6.892	6.874	7.131	6.832	6.864	6.824	6.766	6.902	6.967	6.890	7.037	7.080	6.948	6.757	6.917	6.901
1430477	s	at	NA	AK006309	NA	NA	7.703	7.041	7.668	7.329	7.299	7.372	7.496	7.518	7.221	7.266	7.711	7.295	7.316	7.367	7.373	7.759	7.693	7.455	7.803	7.661	7.856
1430478	at	3110043A19Rik	AV166268	Mm.53877	11	6.592	6.411	6.603	6.549	6.524	6.429	6.560	6.619	6.498	6.544	6.371	6.605	6.288	6.519	6.425	6.629	6.535	6.515	6.443	6.319	6.559	6.399
1430479	at	2010007H06Rik	AK008147	Mm.134992	9	7.494	7.325	7.600	7.850	7.504	7.757	7.468	7.684	7.290	7.737	7.459	7.776	7.533	7.402	7.553	7.901	7.751	7.838	7.729	7.835	7.626	7.727
1430480	at	Nub1	BB384543	Mm.5856	5	6.091	6.050	6.100	6.137	6.133	5.847	6.115	6.281	6.351	6.188	6.181	6.211	6.146	6.194	6.011	6.132	6.142	6.146	6.239	6.256	6.089	6.032
1430481	at	4930545L23Rik	AK019742	Mm.78702	2	7.076	6.528	6.689	6.716	6.754	6.711	6.738	6.610	6.786	6.635	6.735	6.123	6.627	6.859	6.828	6.787	6.747	6.732	6.732	6.732	6.732	6.732
1430482	at	Adora3	AK013534	Mm.235024	3	4.307	4.271	4.530	4.564	4.311	4.562	4.360	4.410	4.441	4.394	4.454	4.338	4.349	4.357	4.355	4.541	4.697	4.626	4.414	4.512	4.569	4.541
1430483	a	at	Tm00179	Mm.235024	3	6.068	6.068	5.966	6.161	6.161	6.232	6.143	6.143	6.232	6.143	6.088	6.232	6.143	6.088	6.232	6.143	6.088	6.232	6.143	6.088	6.232	6.143
1430484	at	843042J23Rik	AK018447	Mm.292432	12	4.573	4.433	4.479	4.596	4.431	4.467	4.559	4.442	4.457	4.559	4.442	4.457	4.559	4.442	4.457	4.559	4.442	4.457	4.559	4.442	4.457	4.559
1430485	at	Trp2c	AW324327	Mm.292904	7	5.607	6.240	6.158	6.138	6.102	6.168	6.080	5.919	6.043	6.085	5.775	5.904	5.752	6.007	5.873	5.976	6.448	6.071	6.786	6.013	6.216	6.479
1430486	at	Rad511	AK015771	Mm.341756	12	7.215	6.757	7.089	7.061	6.967	7.048	7.249	6.950	7.051	6.972	7.084	6.826	7.009	6.933	6.925	6.937	7.073	7.011	7.185	7.040	7.048	6.786
1430487	at	Auh	AV3310182	Mm.252034	13	4.918	4.725	5.014	4.894	4.767	4.969	4.951	4.701	4.545	4.570	4.629	4.809	4.758	4.632	4.666	4.936	4.961	4.731	4.640	4.885	4.685	5.003
1430488	at	1700066B19Rik	AK006900	Mm.379225	18	6.384	6.062	6.347	6.245	6.021	6.053	6.364	6.235	5.987	6.051	6.273	5.866	6.345	6.279	6.206	6.370	6.241	6.174	6.231	6.282	6.250	6.044
1430489	at	NA	BB086802	Mm.461516	18	4.568	4.336	4.489	4.334	4.217	4.320	4.529	4.318	4.675	4.187	4.218	4.319	4.345	4.427	4.368	4.343	4.665	4.381	4.441	4.328	4.252	4.476
1430490	at	NA	AK017409	NA	NA	5.467	5.398	5.379	5.503	5.453	5.513	5.485	5.400	5.211	5.233	5.332	5.242	5.334	5.447	5.413	5.504	5.480	5.388	5.468	5.429	5.401	5.481
1430491	at	Adp1	AK006903	Mm.42137	15	7.434	7.493	7.357	7.332	7.447	7.582	7.469	7.392	7.523	7.582	7.469	7.392	7.582	7.469	7.392	7.582	7.469	7.392	7.582	7.469	7.392	7.582
1430492	at	Phk2a	AV329676	Mm.350712	X	7.351	7.086	7.260	7.159	7.161	7.246	7.131	7.216	7.303	7.207	7.067	7.357	7.298	7.252	7.133	7.401	7.293	7.208	7.159	7.368	7.332	7.082
1430493	at	Z310061G22Rik	AV091308	NA	2	5.226	4.710	5.058	4.859	5.078	4.963	5.144	4.952	4.914	4.960	5.111	5.034	5.009	4.980	4.867	5.208	4.959	4.996	4.946	5.103	5.122	4.852
1430494	at	2010005J08Rik	AK018583	Mm.271657	11	6.793	6.424	6.664	6.522	6.527	6.579	6.543	6.514	6.341	6.251	6.500	6.430	6.329	6.189	6.553	6.314	6.576	6.702	6.526	6.722	6.508	6.500
1430495	at	Impa1	AV154049	Mm.183042	3	5.379	5.433	5.363	5.274	5.514	5.374	5.401	5.218	5.209	5.418	5.386	5.270	5.322	5.366	5.368	5.384	5.427	5.519	5.383	5.419	5.366	5.193
1430496	at	Aqk	AV351492	Mm.32840	6	7.145	6.688	7.183	7.098	6.819	6.872	6.841	6.822	6.885	6.883	7.081	6.857	6.845	6.787	7.085	7.032	6.959	6.948	6.929	7.336	6.986	6.620
1430497	at	Rxra	AI647710	Mm.24624	2	5.711	5.440	5.547	5.479	5.611	5.565	5.670	5.601	5.544	5.540	5.629	5.728	5.747	5.581	5.620	5.626	5.633	5.638	5.585	5.826	5.692	5.627
1430498	at	1700009O10Rik	AK008147	Mm.134992	9	7.494	7.325	7.600	7.850	7.504	7.757	7.468	7.684	7.290	7.737	7.459	7.776	7.533	7.402	7.553	7.901	7.751	7.838	7.729	7.835	7.626	7.727
1430499	at	1700058M13Rik	AK006834	Mm.396228	12	5.696	5.536	5.592	5.535	6.681	5.532	5.753	5.722	5.480	5.709	5.616	5.679	5.647	5.619	5.677	5.547	5.736	5.684	5.543	5.728	5.685	5.760
1430500	s	at	Mlx2	AK006233	Mm.292613	2	11.520																				

1430546	at	Crvz1l	AK010433	Mm.109823	16	8.055	7.968	8.012	8.179	7.951	7.898	7.840	7.710	7.889	7.843	8.282	8.126	7.851	7.960	8.038	8.118	7.931	8.186	7.858	8.163	8.098	8.073	7.954		
1430547	s at	Crvz1l	AK010433	Mm.109823	16	8.575	8.604	8.664	8.559	8.383	8.585	8.505	8.301	8.237	8.355	8.289	8.531	8.366	8.436	8.371	8.578	8.726	8.637	8.590	8.697	8.677	8.625	8.429	8.528	
1430548	at	Na	AK014588	NA	NA	7.301	7.153	7.392	7.401	7.213	7.146	7.234	7.206	7.146	7.054	7.347	7.045	7.162	7.349	7.132	7.315	7.300	7.020	7.413	7.166	7.603	7.195	4.777	7.112	
1430549	at	Be1l	AV252862	Mm.155696	7	7.273	7.704	7.100	7.361	7.407	7.240	7.165	7.672	7.842	7.633	7.450	7.748	7.745	7.509	7.618	7.290	7.642	7.671	7.625	7.276	7.396	7.494	7.421	7.064	
1430550	at	Lipm	BB151055	Mm.139097	19	4.313	4.174	4.268	4.350	4.211	4.302	4.319	4.226	4.332	4.249	4.184	4.155	4.276	4.272	4.200	4.298	4.254	4.270	4.203	4.254	4.163	4.344	4.257	4.476	
1430551	s at	Lipm	BB151055	Mm.195937	19	4.026	3.977	4.039	3.979	3.966	3.885	4.122	4.046	4.002	3.894	4.047	4.031	3.896	3.951	3.952	4.223	4.010	3.829	4.099	4.068	3.932	3.999	3.989	4.064	
1430552	a at	Sb1r	AK020972	Mm.35483	15	6.719	7.065	6.597	6.746	6.980	6.696	6.559	6.484	6.842	6.853	6.940	6.873	6.773	6.823	6.813	6.708	6.523	6.690	6.689	6.443	6.465	6.413	6.793	6.835	
1430553	at	Vsio1	AV268106	Mm.244932	X	5.961	5.585	5.975	5.769	5.786	6.000	5.933	5.586	5.671	5.783	5.845	5.545	5.578	5.543	5.855	5.908	5.701	5.796	5.920	6.156	5.633	5.554	5.916	5.895	
1430554	at	Lriq3	BB524113	Mm.275586	10	4.581	4.537	4.677	4.772	4.670	4.509	4.590	4.779	4.791	4.791	4.597	4.841	4.698	4.731	4.634	4.760	4.555	4.788	4.667	4.582	4.886	4.496	4.52	4.574	
1430555	s at	Lriq3	BB524113	Mm.275586	10	7.071	6.711	7.245	6.776	6.935	7.164	7.126	6.991	7.013	7.072	6.858	6.968	7.147	6.925	7.122	7.270	7.042	6.907	6.981	7.319	7.063	7.006	6.940	7.182	
1430556	at	Spaq9	AK014638	Mm.260737	11	5.647	5.316	5.399	5.527	5.437	5.415	5.290	5.486	5.266	5.581	5.609	5.508	5.715	5.592	5.425	5.503	5.246	5.277	5.361	5.683	5.544	5.465	5.755	5.547	
1430557	at	4930434J08Rik	BB009682	Mm.59239	11	4.181	4.123	4.215	3.945	4.037	4.012	4.114	4.153	4.198	3.930	4.248	4.010	4.316	4.058	4.133	4.094	3.901	4.112	4.119	4.311	4.110	4.040	4.263	4.152	
1430558	at	Zfp318	BM114753	Mm.439916	17	9.401	9.219	9.224	9.280	9.516	9.202	9.323	9.397	9.407	9.514	9.211	9.569	9.672	9.179	9.393	9.320	9.349	9.232	9.078	9.256	9.900	9.745	9.387	9.359	
1430559	at	Nf5c3l	BM204235	Mm.28738	11	6.755	6.360	6.263	6.884	6.588	6.590	6.640	6.616	6.443	6.414	6.224	6.527	6.477	6.472	6.725	6.634	6.662	6.770	6.561	6.547	6.747	6.746	6.651	6.675	
1430560	at	NA	BM942729	NA	NA	7.727	7.297	7.469	7.571	7.440	7.451	7.563	7.516	7.291	7.253	7.516	7.395	7.226	7.425	7.625	7.656	7.527	7.340	7.644	7.696	7.299	7.433	7.588	7.552	
1430561	at	Dnaib14	BE952491	Mm.256488	3	7.705	8.341	7.939	7.923	8.259	7.960	7.897	8.054	8.382	8.153	7.842	8.377	8.045	8.116	7.858	7.832	8.097	7.868	7.733	7.642	7.884	7.956	7.779	7.826	
1430562	at	Zksca5	AV231819	Mm.332842	5	7.693	7.245	7.392	7.350	7.195	7.191	7.577	7.415	7.521	7.218	7.466	7.185	7.253	7.373	7.268	7.460	7.384	7.133	7.278	7.480	7.422	7.401	7.431	7.505	
1430563	at	Mcm9	AK018494	Mm.278221	10	5.633	5.665	5.410	5.516	5.674	5.375	5.469	5.508	5.642	5.391	5.541	5.541	5.378	5.613	5.400	5.707	5.561	5.480	5.521	5.519	5.552	5.605	5.602	5.507	
1430564	at	BM0k11a	AK003346	Mm.35764	5	5.061	5.223	4.968	5.173	5.168	5.100	5.156	5.330	5.343	5.456	5.128	5.379	5.070	5.055	5.153	5.017	5.062	4.991	5.193	5.149	5.143	5.483	5.131	5.040	
1430565	at	1700030J22Rik	AK006553	Mm.412784	8	4.624	4.402	4.719	4.681	4.607	4.427	4.657	4.765	4.509	4.277	4.525	4.592	4.542	4.484	4.431	4.393	4.516	4.596	4.493	4.652	4.500	4.740	4.803	4.722	
1430566	at	4733401A01Rik	BM249924	NA	4	5.766	6.455	5.859	5.596	5.608	6.060	6.104	6.429	5.916	5.800	5.973	5.886	6.079	6.352	5.730	6.250	5.604	5.890	6.006	5.952	6.524	5.720	6.156	5.705	
1430567	at	Spink5	AV241297	Mm.35369	18	4.982	4.762	4.915	4.886	4.898	4.888	4.923	4.814	4.701	4.714	5.027	4.699	4.963	4.836	4.821	4.741	4.743	4.978	4.789	5.033	4.876	4.576	4.917	5.073	
1430568	at	Zc3h13	AV539538	Mm.74704	14	7.912	8.371	7.839	8.098	8.187	7.852	7.787	8.112	7.792	7.983	7.845	8.297	7.990	7.698	7.724	7.957	8.311	8.177	8.014	7.994	7.999	8.315	7.919	7.892	
1430569	at	Tt9c	AK008753	Mm.261082	19	5.085	5.480	5.500	5.468	5.446	5.359	5.275	5.180	5.410	5.555	4.977	5.492	5.317	5.229	5.316	5.461	4.771	5.252	5.340	5.074	5.210	5.335	5.264	5.772	
1430570	at	Kvnu	AV227891	Mm.105278	2	5.910	5.659	5.827	5.894	5.841	5.846	5.835	5.761	5.924	5.867	5.848	5.652	5.784	5.944	5.793	5.902	5.754	5.748	5.857	5.914	5.812	5.525	5.868	5.877	
1430571	s at	Armcc	AK010815	Mm.383251	8	7.725	7.565	7.525	7.591	7.501	7.301	7.710	7.617	7.612	7.405	7.398	7.332	7.367	7.561	7.683	7.618	7.653	7.561	7.479	7.611	7.555	7.743	7.506		
1430572	at	Pemq3	BM011548	Mm.54408	5	5.642	5.448	5.407	5.513	5.496	5.208	5.481	5.503	5.262	5.496	5.454	5.209	5.352	5.517	5.531	5.249	5.503	5.515	5.349	5.515	5.349	5.515	5.349		
1430573	at	Etod2	BB246939	Mm.165686	18	6.770	6.560	6.642	6.788	6.566	6.753	6.753	6.520	6.699	6.648	6.669	6.589	6.669	6.589	6.669	6.589	6.669	6.589	6.669	6.589	6.669	6.589	6.669	6.589	
1430574	at	Cdkn3	AK010426	Mm.272394	14	6.422	6.904	6.382	6.448	6.465	6.382	6.365	6.901	7.086	6.943	6.800	6.449	6.728	6.905	6.468	6.375	5.589	6.461	6.562	6.442	6.533	6.597	6.400	6.256	
1430575	a at	Tpp2	BB484264	Mm.401675	1	6.347	6.872	6.352	6.233	6.254	6.505	6.245	6.394	6.138	6.682	6.248	6.444	6.324	6.571	6.475	6.372	6.061	6.083	6.087	6.187	6.037	6.491	6.349	6.909	
1430576	at	Tpp2	BB484264	Mm.401675	1	6.419	7.012	6.317	6.260	6.455	6.408	6.501	6.590	6.566	6.809	6.565	6.416	6.582	6.584	6.615	6.319	6.413	6.417	6.217	6.028	6.339	6.666	6.404	6.584	
1430577	at	Cep27	BB686390	Mm.221900	2	7.137	7.318	7.246	7.218	8.210	7.454	7.155	6.923	7.149	7.223	8.160	7.142	7.296	7.241	8.158	7.382	6.982	7.385	7.309	7.364	7.945	7.707	8.264	8.356	
1430578	at	Eif4q3	AK019693	Mm.268903	4	6.276	6.405	6.527	6.393	6.702	6.586	6.607	6.598	6.732	6.761	6.691	6.379	6.641	6.570	6.419	6.577	6.330	6.482	6.489	6.504	6.592	6.566	6.821	6.647	
1430579	at	Tnk	AW045551	Mm.126193	3	6.796	6.183	6.575	6.652	6.412	6.723	6.402	7.259	6.327	6.567	6.785	6.754	6.821	6.635	6.395	6.822	7.260	7.058	7.228	7.379	6.999	7.419	7.022	7.815	
1430580	at	33030E01Rik	BB266595	Mm.121728	4	6.284	4.253	4.208	4.594	4.151	4.099	4.306	4.392	4.069	4.329	4.505	4.092	4.329	4.184	4.132	4.553	4.634	4.399	4.690	4.482	4.232	4.456	4.465	4.465	
1430581	at	Bcla1f	AV306063	Mm.294783	10	3.807	3.673	3.689	3.730	3.727	3.718	3.910	3.701	3.783	3.643	3.729	3.684	3.865	3.761	3.831	3.882	3.786	3.817	3.699	3.856	3.839	3.823	3.801	3.901	
1430582	at	Shorh	BB496854	Mm.133101	10	6.747	6.545	6.606	6.867	6.671	6.623	6.644	6.642	6.710	6.557	6.603	6.712	6.682	6.494	6.732	6.526	6.929	6.864	6.704	6.763	6.823	6.853	6.863	6.450	
1430583	at	Nrcam	BB064688	Mm.208439	12	5.556	5.307	5.667	5.540	5.613	5.511	5.637	5.587	5.506	5.367	5.511	5.433	5.623	5.503	5.665	5.591	5.659	5.623	5.863	5.869	5.440	5.341	5.597	5.613	
1430584	s at	Car3	BB213876	Mm.300	3	5.223	4.897	5.053	5.139	5.053	5.541	5.147	5.037	5.119	5.155	5.978	5.181	5.483	5.278	5.250	5.208	5.145	5.189	5.208	5.267	5.286	5.197	5.324	5.289	5.366
1430585	at	5930436O19Rik	BG798082	Mm.436825	17	7.619	7.840	7.516	7.691	7.757	7.903	7.557	7.675	8.046	7.922	7.502	7.824	7.831	7.407	7.668	7.733	7.754	8.083	7.490	7.599	7.476	7.832	7.711	7.404	
1430586	at	2700007P21Rik	BB552785	Mm.381231	2	4.712	4.659	4.784	4.705	4.628	4.834	4.733	4.789	4.737	4.596	4.765	4.591	4.854	4.867	4.583	4.787	4.582	4.482	4.782	4.740					

1430635	at	Llana	BB774399	Mm.138437	19	6.432	6.109	6.133	6.094	6.154	6.199	6.154	6.083	6.365	6.353	6.124	6.343	6.281	6.077	6.407	5.991	6.064	6.305	6.170	5.898	6.270	6.160	6.169	6.009	
1430636	at	Mico1000043911	BB350597	Mm.260590	2	5.428	5.349	5.345	5.467	5.524	5.593	5.531	5.598	5.397	5.520	5.566	5.686	5.428	5.334	5.525	5.561	5.612	5.486	5.620	5.569	5.613	5.463	5.394		
1430637	at	2210016H18RIK	BB515259	Mm.18168	18	10.535	9.702	10.674	9.786	9.531	9.975	10.157	9.840	9.192	9.719	9.717	9.564	9.268	9.455	10.623	10.125	10.311	10.138	10.042	9.763	10.300	10.039	10.108		
1430638	at	1700041C02RIK	AV381255	Mm.425204	4	6.515	6.523	6.775	6.731	6.567	6.430	6.879	6.585	6.744	6.320	6.706	6.510	6.502	6.635	6.481	6.512	6.565	6.388	6.641	6.583	6.609	6.434	6.415	6.614	
1430639	at	4930524L23RIK	AK019695	Mm.160955	X	6	6.072	5.648	5.986	5.981	5.946	5.796	6.014	5.846	5.259	5.717	6.134	5.873	6.160	5.907	6.087	5.794	5.915	5.917	5.866	5.877	5.913	5.988		
1430640	a	at	Pk4r2c	BI695530		12	5.884	6.139	5.577	5.633	5.539	5.929	5.645	5.760	5.789	5.919	5.724	5.802	5.599	5.985	5.844	5.774	5.710	5.808	5.854	5.701	5.533	5.863	5.773	
1430641	a	at	Bsdmc4	AV368819	Mm.273185	15	8.360	7.881	8.193	8.261	8.104	8.210	8.382	8.280	8.099	7.870	8.322	7.958	8.114	8.294	8.182	8.299	8.183	8.097	8.185	8.555	8.242	8.040	8.270	8.445
1430642	at	2900001G08RIK	AW493291	Mm.102196	17	5.119	4.968	5.183	5.133	5.258	5.162	5.085	5.168	5.070	5.046	5.127	4.969	5.217	5.051	4.975	5.122	5.165	5.294	5.220	5.263	5.258	4.999	5.133	5.082	
1430643	at	Msh3	AV351842	Mm.343101	13	4.712	4.481	4.822	4.491	5.038	4.883	4.967	5.072	4.957	4.894	5.037	5.180	5.117	5.161	4.993	4.838	4.939	5.096	4.900	4.719	4.786	4.827	4.917	4.818	
1430644	at	Wbscr25	AK017044	Mm.158662	5	6.468	5.906	6.039	6.204	6.132	6.114	5.974	6.159	6.094	5.833	6.193	6.089	6.150	6.167	6.022	5.989	6.186	6.076	6.141	6.036	6.488	6.259	6.296	6.083	
1430645	at	Cd200r3	BB326826	Mm.297337	16	4.192	3.848	4.144	4.065	4.207	3.964	4.108	4.106	3.804	4.071	4.078	3.784	4.026	4.050	4.050	4.164	4.060	4.091	4.227	4.099	4.074	4.099	4.142	4.158	
1430646	at	5830407P18RIK	AK020000	NA	14	8.375	8.318	8.006	8.267	8.549	8.136	8.011	8.348	8.544	8.191	8.174	8.296	8.316	8.173	8.014	8.096	8.434	8.100	7.743	7.958	8.256	8.457	8.014	7.985	
1430647	at	Ck405	AK014169	Mm.186478	2	6.117	6.341	6.315	6.292	6.226	6.073	6.272	6.197	5.991	6.036	6.136	6.083	6.004	6.196	6.171	6.126	6.178	6.216	6.138	6.067	6.144	6.298	6.363	6.329	
1430648	at	Scn2b	AK013326	Mm.229373	9	7.015	6.697	6.895	7.111	6.697	6.840	6.927	7.019	6.830	6.731	6.776	6.982	6.870	6.833	6.825	6.958	6.909	6.861	6.909	6.817	6.937	6.932	6.058	7.342	
1430649	at	Ba1c	AW490835	Mm.233837	15	7.257	6.953	7.089	7.195	7.199	7.129	7.141	7.247	6.864	7.128	7.014	7.014	7.132	7.074	7.143	7.083	7.192	7.074	6.983	7.202	7.202	7.060	6.372	7.185	
1430650	at	Zfp191	AI504586	Mm.417427	18	7.566	7.172	7.525	7.565	7.321	7.404	7.354	7.052	6.612	6.930	7.006	7.346	7.181	6.916	7.260	7.664	7.294	7.346	7.458	7.471	7.498	7.801	7.635	7.806	
1430651	s	at	Zfp191	AI504586	Mm.417427	18	8.901	8.680	9.002	9.001	8.652	8.840	8.873	8.823	8.441	8.665	8.581	8.869	8.720	8.630	8.672	8.996	9.103	9.145	8.955	8.941	9.112	9.324	9.052	9.039
1430652	at	9030612E09RIK	AV242166	Mm.423996	10	6.449	5.853	6.331	6.806	6.262	6.304	6.517	6.290	6.268	6.148	6.212	5.884	6.171	6.072	6.232	6.388	6.320	6.355	6.389	6.669	6.647	6.189	6.774	6.252	
1430653	at	4930062B05RIK	AI481778	Mm.442925	6	6.134	7.268	6.796	6.976	7.263	7.091	7.258	7.554	8.038	7.845	6.997	7.964	7.799	7.160	7.441	6.941	7.508	7.334	7.210	7.226	7.289	7.448	7.156	6.886	
1430654	at	Nsm3	AK020172	Mm.26321	16	5.134	4.992	5.113	5.047	4.926	4.881	5.003	4.799	5.090	4.843	5.115	4.743	4.780	4.989	5.015	5.043	4.877	4.992	5.058	5.232	5.177	5.075	5.062	4.989	
1430655	at	4631450K08RIK	BE685884	Mm.80580	1	5.769	5.366	5.548	5.511	5.662	5.524	5.680	5.543	5.552	5.466	5.596	5.543	5.675	5.491	5.476	5.564	5.431	5.502	5.499	5.595	5.578	5.424	5.344		
1430656	a	at	Asnsd1	BF318739	Mm.285783	1	10.679	10.698	10.823	10.891	10.840	10.875	10.708	10.385	10.444	10.663	10.377	10.807	10.578	10.517	10.642	10.869	10.774	10.725	10.986	10.930	10.705	10.854	10.840	10.917
1430657	at	1810034E14RIK	BB745263	Mm.443331	13	6.035	6.083	5.978	6.264	5.934	6.063	6.247	5.996	5.991	5.881	5.976	6.182	5.954	6.105	5.896	5.969	6.321	6.263	5.983	6.260	6.368	6.296	6.040	6.016	
1430658	a	at	Gsdma2	AK008663	Mm.159149	11	3.815	3.934	3.796	3.734	3.830	3.732	3.828	3.839	3.759	3.851	3.717	3.885	3.941	3.588	3.819	3.789	3.871	3.957	3.885	3.852	3.827	3.851	3.854	3.813
1430659	at	4930548H24RIK	AK016070	Mm.23365	5	5.006	5.114	5.149	5.116	4.742	4.878	4.951	4.891	4.895	4.923	4.917	4.869	4.934	5.133	4.779	4.665	5.046	4.968	4.914	4.917	4.820	4.875	5.050	4.991	
1430660	at	1500004A13RIK	AV291471	Mm.126870	3	5.572	5.486	5.544	5.623	5.585	5.555	5.606	5.518	5.533	5.493	5.590	5.553	5.519	5.625	5.442	5.443	5.552	5.570	5.627	5.680	5.535	5.435	5.779	5.383	
1430661	at	Myt1	AK019454	Mm.291688	10	6.965	6.967	6.913	6.942	6.986	6.982	6.982	6.986	6.982	6.982	6.986	6.982	6.986	6.982	6.986	6.982	6.986	6.982	6.986	6.982	6.986	6.982	6.986	6.982	
1430662	at	9340091E24RIK	BE947630	Mm.28350	8	9.982	9.901	6.075	6.191	5.880	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	5.885	
1430663	at	9430037Q13RIK	AK020458	NA	1	6.273	6.221	6.344	6.116	6.235	6.364	6.202	6.112	6.114	6.227	6.027	6.163	6.196	6.233	6.211	6.135	6.165	6.240	6.201	6.243	6.470	6.356	6.221	6.080	
1430664	at	Zfp191	BE688704	Mm.251375	13	6.518	6.476	6.536	6.457	6.316	6.404	6.349	6.550	6.355	6.360	6.456	6.319	6.410	6.411	6.265	6.570	6.635	6.476	6.624	6.559	6.474	6.646	6.521	6.475	
1430665	at	5730480H06RIK	AK017706	Mm.437183	5	8.033	7.747	7.962	7.938	7.856	7.955	7.885	7.847	7.921	7.815	7.776	7.893	7.853	7.867	7.755	7.936	7.969	7.952	7.861	8.111	7.885	7.897	7.854	7.864	
1430666	at	Pfb1	AK015993	Mm.160067	5	6.277	6.106	6.229	6.303	6.213	6.207	6.448	6.310	6.301	6.333	6.376	6.116	6.185	6.294	6.267	6.238	6.173	6.330	6.318	6.477	6.075	6.253	6.313	6.279	
1430667	at	Pcdh10	BB077413	Mm.242644	3	4.057	3.919	4.055	4.105	3.957	3.935	4.115	4.176	3.860	3.997	4.142	3.939	3.988	4.179	3.994	4.177	3.970	4.138	4.031	3.983	4.011	4.041	3.932	4.212	
1430668	a	at	Xkrax2	AK003438	Mm.290642	13	8.958	8.465	8.448	8.448	8.706	8.419	8.322	8.936	8.404	8.466	8.541	8.606	8.533	8.355	8.536	8.668	8.654	8.601	8.503	8.650	8.790	8.644	8.373	8.648
1430669	at	Krt10	AK019454	Mm.291688	11	5.824	5.454	5.719	5.642	5.326	5.363	5.473	5.495	5.762	5.448	5.555	5.538	5.795	5.505	5.602	5.735	5.838	5.789	5.834	5.789	5.834	5.789	5.834	5.789	
1430670	at	Ccd91	AK007017	Mm.209774	6	7.756	7.402	7.682	7.514	7.649	7.324	7.592	7.624	7.738	7.641	7.585	7.659	7.794	7.762	7.580	7.586	7.489	7.617	7.618	7.571	7.572	7.582	7.814	7.683	
1430671	a	at	0610010K06RIK	AK002489	Mm.392270	1	5.497	5.231	5.233	5.355	5.267	5.442	5.221	5.483	5.400	5.324	5.383	5.302	5.228	5.205	5.342	5.346	5.134	5.304	5.283	5.266	5.409	5.089	5.323	5.152
1430672	at	5033418A18RIK	AI553303	Mm.453414	X	7	7.886	8.150	7.613	7.883	8.132	7.841	7.858	8.083	8.306	8.102	8.103	7.859	8.108	7.959	7.905	7.780	7.710	7.782	7.703	7.665	7.719	7.794	7.787	7.527
1430673	a	at	2210009G21RIK	AK008687		2	5.956	6.078	5.947	6.210	6.161	6.050	5.819	6.358	6.126	6.210	6.049	6.117	6.137	6.331	6.025	6.055	6.058	5.818	5.966	6.251	6.288	6.244	5.944	6.129
1430674	at	1700016C15RIK	AV266242	Mm.84467	1	6.449	6.021	6.258	6.200	6.115	6.226	6.337	6.097	6.077	5.913	6.189	5.997	6.229	6.034	6.235	6.259	6.361	6.254	6.437	6.327	6.204	6.081	6.027	6.284	
1430675	at	2900055J20RIK	BM932606	Mm.76366</																										

1430724	at	Abhd9	AK010021	Mm.176240	17	7.803	7.766	7.882	7.788	8.040	7.843	7.798	7.843	7.807	7.892	8.034	7.878	8.036	8.081	7.817	8.206	7.814	7.912	7.949	7.906	7.812	7.679	7.750	7.817
1430725	at	4933432I09RIk	AK017024	Mm.387525	16	9.540	9.177	9.414	9.508	9.253	9.444	9.506	9.519	9.367	9.244	9.346	9.248	9.319	9.388	9.327	9.451	9.393	9.387	9.344	9.455	9.423	9.361	9.422	9.408
1430726	at	Rassf8	AV331288	Mm.158669	6	6.062	6.231	5.830	5.851	5.789	6.142	5.996	5.778	6.050	6.223	6.071	6.025	6.017	6.071	5.909	5.939	5.788	5.801	5.905	5.955	5.680	5.559	5.963	5.781
1430727	at	493403220RIk	AK015297	Mm.26540	17	4.750	4.769	4.735	4.864	4.775	4.833	4.715	4.897	4.862	4.702	4.841	4.622	4.758	4.690	4.664	4.784	4.809	4.694	4.890	4.968	4.703	4.836	4.784	4.862
1430728	at	Krlpabp-5	BB148782	Mm.444495	7	5.137	4.931	5.261	5.046	5.103	5.238	5.234	5.174	4.983	5.035	5.323	5.222	5.273	4.957	5.186	5.385	5.137	5.092	5.187	5.045	5.418	5.046	5.248	5.438
1430729	at	Y4300000	AK017955	Mm.251638	15	4.957	5.399	5.225	5.180	5.179	5.028	5.200	5.088	5.285	5.070	5.215	4.915	5.156	5.111	4.911	5.276	5.388	5.075	5.157	5.088	5.115	5.023	5.083	5.187
1430730	at	My30004F10RIk	AK020436	Mm.129691	12	6.426	6.502	6.516	6.479	6.404	6.374	6.413	6.542	6.347	6.224	6.159	6.330	6.289	6.427	6.342	6.619	6.484	6.654	6.417	6.647	6.528	6.610	6.472	6.551
1430731	at	Krtap2-4	AK017442	Mm.51510	11	6.887	6.482	6.845	6.809	6.894	6.729	6.690	6.730	6.524	6.554	6.957	6.454	6.619	6.615	6.800	6.842	6.746	6.751	6.755	6.692	6.789	6.604	6.860	6.760
1430732	at	4921525D07RIk	NA	NA	1	6.463	6.277	6.414	6.403	6.305	6.408	6.519	6.451	6.400	6.369	6.453	6.351	6.473	6.286	6.524	6.371	6.453	6.415	6.331	6.526	6.633	6.355	6.364	6.528
1430733	at	4934244P12RIk	AV277374	Mm.159185	12	4.749	4.551	4.779	4.550	4.718	4.635	4.935	4.586	4.576	4.689	4.622	4.390	4.683	4.557	4.777	4.795	4.539	4.778	4.798	4.927	4.917	4.637	4.680	4.786
1430734	at	Cyb5r3	AK010858	Mm.22560	15	7.135	7.149	7.141	7.283	7.182	7.406	7.120	7.145	7.155	7.149	7.144	7.133	7.235	7.124	7.110	7.079	7.439	7.182	7.066	7.106	7.323	7.216	7.181	7.059
1430735	at	Pat10	AK015195	Mm.150462	2	7.534	7.193	7.285	7.246	7.177	7.279	7.277	7.222	7.266	7.194	7.319	7.108	6.948	7.325	7.283	7.375	7.299	7.281	7.350	7.391	7.092	7.066	7.116	7.301
1430736	at	9030411M15RIk	AK019503	Mm.158720	18	7.731	7.693	7.697	7.815	7.685	7.718	7.904	7.991	8.005	7.718	7.910	7.664	7.965	7.761	7.643	7.720	7.901	7.716	7.801	7.645	7.741	7.666	7.731	7.724
1430737	at	2810409K11RIk	AK013056	Mm.159732	7	5.872	5.944	6.064	6.131	6.067	5.877	6.023	6.001	5.970	6.051	6.067	6.019	5.934	6.039	6.053	5.987	6.094	6.328	6.258	6.263	6.033	6.124	5.934	6.001
1430738	at	4833419K08RIk	AV249898	Mm.159257	18	5.272	5.118	5.228	5.301	5.228	5.214	5.287	5.257	5.178	5.196	5.303	5.189	5.302	5.443	5.342	5.471	5.216	5.204	5.365	5.347	5.179	5.179	5.461	5.374
1430739	at	4930471M09RIk	AV261947	Mm.30842	6	4.467	4.336	4.448	4.464	4.455	4.274	4.441	4.614	4.393	4.408	4.567	4.327	4.340	4.528	4.345	4.412	4.523	4.509	4.452	4.608	4.278	4.434	4.382	4.536
1430740	at	NA	AK016887	NA	NA	5.846	5.651	5.782	5.915	5.800	5.495	5.860	5.825	5.807	5.670	6.007	5.795	5.719	5.914	5.612	5.811	5.838	5.806	5.763	5.799	5.782	5.502	5.997	5.813
1430741	at	4933433G08RIk	AK017039	Mm.158134	9	6.457	6.286	6.601	6.579	6.602	6.424	6.525	6.461	6.404	6.267	6.582	6.367	6.422	6.347	6.523	6.724	6.630	6.447	6.624	6.603	6.681	6.685	6.672	6.627
1430742	a at	Spsat16	AV254593	Mm.330943	3	4.749	4.891	4.854	4.782	4.646	4.585	4.669	4.726	4.737	4.744	4.670	4.675	4.668	4.590	4.718	4.693	4.737	4.569	4.471	4.646	4.767	4.674	4.764	4.697
1430743	at	4930412F21RIk	BE982144	Mm.393851	8	5.983	5.850	5.799	5.876	5.724	5.881	5.824	6.067	6.028	5.845	5.837	5.968	6.099	5.879	5.810	5.839	5.962	5.927	5.606	5.852	6.012	6.152	5.893	5.606
1430744	at	Napsa	AK007861	Mm.383181	7	7.545	7.207	7.129	7.226	7.169	7.161	7.233	7.250	7.182	7.059	7.209	7.159	7.041	7.256	7.137	7.354	7.330	7.343	7.257	7.460	7.375	7.078	7.349	7.458
1430745	at	5930409G06RIk	AK020028	Mm.125475	3	3.839	3.856	3.918	4.027	3.797	3.954	3.921	4.003	3.904	3.818	3.953	3.863	4.021	3.929	4.040	3.882	4.050	3.993	3.883	4.228	4.075	4.067	4.066	4.042
1430746	at	1110050P16RIk	A1644298	NA	9	6.758	6.286	6.682	6.821	6.419	6.405	6.663	6.617	6.286	6.313	6.350	6.761	6.558	6.482	6.690	6.790	6.358	6.865	6.680	6.966	6.906	6.949	6.795	6.926
1430747	at	Pqlc1	AK019858	Mm.29247	18	7.208	7.143	7.107	7.043	7.067	7.239	7.103	6.981	7.057	7.081	7.145	7.293	7.139	7.131	7.083	7.145	7.352	7.145	7.126	7.273	7.188	7.208	7.143	7.313
1430748	at	1810063B07RIk	BB015143	Mm.292423	14	5.431	5.179	5.311	5.230	5.158	5.287	5.194	5.155	5.277	5.222	5.259	5.317	5.344	5.324	5.191	5.258	5.183	5.139	5.154	5.207	5.310	5.108	5.333	5.170
1430749	at	2810040C05RIk	AK012892	Mm.441759	4	4.519	4.606	4.609	4.685	4.692	4.731	4.549	4.485	4.474	4.551	4.461	4.522	4.505	4.419	4.648	4.493	4.863	4.622	4.728	4.447	4.570	4.593	4.479	4.552
1430750	at	Dnr	AK015945	Mm.23695	13	5.961	5.988	5.948	5.915	6.134	5.975	5.912	5.956	5.915	5.915	5.996	5.955	5.996	5.927	5.915	5.927	5.915	5.927	5.915	5.927	5.915	5.927	5.915	5.927
1430751	at	AK019935	NA	NA	13	6.297	5.763	6.697	6.924	6.366	6.987	6.701	6.775	6.874	6.741	6.195	6.707	6.804	6.904	6.807	7.015	6.663	6.753	6.961	6.850	6.653	6.911	7.036	6.911
1430752	at	C330006D17RIk	BB397948	Mm.400826	9	8.060	8.089	8.184	8.204	8.384	8.278	8.067	7.930	7.955	7.940	7.757	7.808	7.970	7.801	7.964	8.146	7.800	8.088	7.892	7.782	7.644	7.466	8.185	7.925
1430753	at	Dnhd1	AK020222	Mm.456008	7	7.338	7.058	7.198	7.370	7.152	7.292	7.227	7.122	7.087	7.041	7.237	7.079	7.201	7.283	7.244	7.295	7.328	7.164	7.220	7.472	7.259	7.281	7.386	7.408
1430754	at	Ccdc150	AV256787	Mm.67455	1	6.968	6.579	7.183	7.047	6.934	7.138	6.870	7.040	6.932	7.005	6.665	6.953	6.921	6.903	6.854	7.051	6.972	6.946	6.976	7.140	7.154	7.071	7.097	6.984
1430755	at	4930452G13RIk	BF018617	Mm.107775	14	6.808	6.611	6.626	6.617	6.576	6.579	6.692	6.576	6.530	6.452	6.688	6.644	6.558	6.563	6.627	6.599	6.366	6.612	6.767	6.678	6.643	6.518	6.639	6.458
1430756	at	5340327G11RIk	AV292658	Mm.399773	10	7.166	6.970	7.107	7.252	7.250	7.340	7.249	7.091	7.051	7.053	6.948	7.212	7.014	7.173	7.270	7.142	7.560	7.468	7.351	7.348	7.266	7.439	7.139	7.472
1430757	at	Prune2	AK020727	Mm.257354	19	8.245	8.079	8.037	8.110	8.127	8.008	8.218	8.431	8.432	8.157	8.240	7.965	8.121	8.261	7.921	8.008	8.052	8.143	8.163	8.071	8.066	7.945	8.103	8.213
1430758	at	BC92	AK020727	Mm.257354	19	8.245	8.079	8.037	8.110	8.127	8.008	8.218	8.431	8.432	8.157	8.240	7.965	8.121	8.261	7.921	8.008	8.052	8.143	8.163	8.071	8.066	7.945	8.103	8.213
1430759	at	4930523C07RIk	AV267070	Mm.171518	1	4.827	4.560	4.789	4.584	4.549	4.589	4.578	4.578	4.669	4.484	4.523	4.583	4.630	4.478	4.668	4.682	4.620	4.705	4.812	4.906	4.603	4.658	4.512	4.731
1430760	a at	Usp50	AV264294	Mm.389373	2	4.646	4.722	4.695	4.892	4.494	4.696	4.701	4.745	4.643	4.701	4.796	4.843	4.806	4.681	4.679	4.514	4.739	4.452	4.763	4.774	4.907	4.760	4.783	4.885
1430761	at	0610039K10RIk	AK002842	Mm.218473	2	5.324	5.129	5.298	5.369	5.334	5.168	5.305	5.312	5.439	5.205	5.268	5.220	5.341	5.250	5.373	5.239	5.424	5.105	5.284	5.429	5.440	5.609	5.321	5.364
1430762	at	4833427G06RIk	AK014780	Mm.72828	9	4.248	4.079	3.995	4.012	4.005	4.008	4.369	3.893	4.159	4.087	4.068	4.644	3.995	3.997	4.054	4.042	3.911	4.053	4.065	4.320	4.085	4.093	3.946	4.134
1430763	at	4930563E22RIk	BB016642	Mm.340776	11	8.736	8.627	8.643	8.414	8.857	8.575	8.433	8.565	8.333	8.427	8.431	8.326	8.477	8.374	8.488	8.472	8.444	8.407	8.450	8.563	8.322	8.315	8.392	8.368
1430764	at	1700023F06RIk	AV264776	Mm.380648	11	4.887	4.899	4.717																					

1430813	at	Pcdc	AK007887	Mm.250508	9	7.624	7.363	7.571	7.749	7.427	7.295	7.388	7.425	7.262	7.315	7.435	7.563	7.249	7.422	7.419	7.497	7.448	7.550	7.427	7.547	7.458	7.411	7.578	7.408
1430814	at	Cyp2d	AK004984	Mm.443024	15	6.714	6.235	6.772	6.523	6.494	6.605	6.552	6.341	6.081	6.329	6.646	6.385	6.180	6.423	6.571	6.371	6.461	6.561	6.473	6.596	6.440	6.434	6.431	6.722
1430815	at	Ubxn3b	AK017333	Mm.312204	12	4.740	4.732	4.866	4.736	4.740	4.811	4.783	4.631	4.734	4.702	4.497	4.759	4.741	4.648	4.713	4.703	4.898	4.645	4.890	4.677	4.713	4.750	4.617	4.808
1430816	at	Samd7	AK018273	Mm.404043	4	8.257	7.886	8.144	8.369	8.071	8.124	8.126	8.101	8.137	7.936	8.088	8.046	8.240	8.219	8.140	8.218	8.227	8.101	8.124	8.330	8.305	8.023	8.307	8.209
1430817	at	Samd7	AK016401	Mm.308084	3	4.204	3.787	4.060	4.155	3.932	3.855	4.202	4.057	3.988	3.976	3.885	3.927	3.989	4.090	4.001	4.133	4.193	4.081	4.138	3.902	4.088	3.841	3.955	4.133
1430818	at	Tmc1	AV206558	Mm.219585	19	6.310	5.833	6.039	6.067	6.078	5.974	6.239	5.206	6.084	5.847	6.084	6.001	6.172	5.959	6.008	6.137	5.912	5.881	6.107	6.146	6.247	6.180	6.379	6.193
1430819	at	Naae	AK014438	Mm.28890	5	7.064	6.940	7.252	7.164	7.127	7.267	7.250	7.055	7.102	6.905	7.257	6.923	7.236	7.011	7.145	7.374	6.959	7.241	7.167	7.609	7.147	7.089	7.314	7.330
1430820	a	Bbx	BC024449	Mm.28940	16	8.098	8.444	8.043	8.210	8.589	8.221	8.272	8.488	8.400	8.341	8.141	8.539	8.661	8.062	8.239	8.044	8.717	8.601	8.421	8.158	8.348	8.308	7.918	7.888
1430821	at	Lymr7	AK006294	Mm.83578	11	6.413	6.227	6.406	6.447	6.529	6.351	6.431	6.589	6.297	6.325	6.464	6.397	6.408	6.389	6.344	6.538	6.447	6.404	6.441	6.419	6.462	6.373	6.318	6.408
1430822	at	Smace1	AK017922	Mm.379086	11	6.394	6.139	6.168	6.300	6.068	6.004	6.274	6.114	6.220	5.986	6.249	6.062	6.236	6.174	6.020	6.322	6.300	6.132	6.186	6.246	6.307	6.168	6.384	5.979
1430823	at	E1700129L08Rik	BE335894	NA	5	6.877	6.641	6.852	6.734	6.683	6.628	6.839	6.776	6.872	6.684	6.742	6.680	6.757	6.532	6.774	6.806	6.767	6.780	6.806	6.767	6.789	6.633	6.611	6.733
1430824	at	RP23-157O10.6	AK016967	Mm.394118	11	4.867	4.492	4.875	5.016	4.906	4.960	5.011	5.020	4.855	4.717	4.868	4.792	4.838	4.725	4.878	4.823	4.770	4.586	4.840	4.674	5.016	4.968	4.803	4.773
1430825	at	E1700129C15Rik	AK021367	NA	6	1.877	5.854	5.901	5.977	5.995	5.819	5.968	5.973	6.037	6.040	5.972	5.899	6.011	5.965	6.055	5.966	5.903	5.981	5.893	6.089	6.077	6.004	5.900	6.088
1430826	s	Gcnt2	AK019924	Mm.314757	13	6.198	6.047	6.271	6.158	6.447	6.227	6.254	6.168	6.347	6.232	6.775	6.184	6.483	6.363	6.136	6.293	6.006	6.381	6.321	6.352	6.090	6.213	6.669	6.491
1430827	a	Ptk2	AV031072	Mm.254494	15	3.594	3.777	3.609	3.580	3.664	3.711	3.761	3.700	3.662	3.755	3.754	3.739	3.818	3.697	3.643	3.850	3.695	3.678	3.657	3.676	3.785	3.932	3.590	3.753
1430828	at	Trnu	AV007708	Mm.158211	15	5.145	5.129	5.167	5.231	5.099	5.322	5.042	5.268	5.142	4.916	5.135	4.922	5.025	5.140	4.985	5.179	5.219	5.030	5.382	5.093	5.181	5.094	5.342	5.070
1430829	s	Fto	AK016860	Mm.4375	8	6.157	5.972	6.225	6.032	5.831	6.197	6.040	5.824	5.680	5.980	6.006	5.889	6.030	5.984	5.770	6.360	6.024	6.022	6.159	6.273	5.946	5.726	6.188	6.479
1430830	at	A430105J06Rik	BB449575	Mm.441826	1	7.252	7.059	7.086	7.260	7.191	7.099	7.062	7.210	7.084	7.006	7.174	6.934	7.142	6.936	7.020	7.093	7.220	7.034	7.114	7.153	7.091	7.079	7.245	7.191
1430831	at	Lvrml	AK004376	Mm.46381	7	6.962	6.611	6.679	6.718	6.719	6.668	6.819	6.687	6.626	6.548	6.733	6.581	6.815	6.735	6.727	6.719	6.827	6.723	6.820	6.767	6.891	6.759	6.817	6.738
1430832	at	4930426124Rik	BB055339	Mm.159844	12	6.097	5.862	6.182	5.988	6.057	6.113	6.059	6.092	6.215	6.068	6.143	6.116	6.205	6.099	6.272	6.043	6.279	6.112	6.122	6.041	5.952	6.067	6.106	6.092
1430833	at	Itk	AK020772	Mm.339927	11	4.693	4.584	4.689	4.733	4.461	4.654	4.673	4.448	4.637	4.569	4.692	4.445	4.651	4.693	4.585	4.732	4.592	4.552	4.560	4.693	4.649	4.543	4.595	4.696
1430834	at	Gpr123	BB359379	Mm.138080	6	4.519	4.374	4.547	4.257	4.366	4.382	4.353	4.262	4.609	4.385	4.341	4.319	4.694	4.391	4.566	4.294	4.373	4.528	4.565	4.437	4.318	4.261	4.382	4.274
1430835	at	Ccdc12	AK017973	Mm.23977	13	4.719	4.471	4.555	4.507	4.373	4.470	4.586	4.594	4.762	4.434	4.515	4.333	4.653	4.600	4.275	4.478	4.517	4.620	4.412	4.534	4.683	4.493	4.582	4.503
1430836	at	4933437G19Rik	AV265458	Mm.12654	5	5.038	4.910	5.100	5.143	4.868	4.847	4.840	4.944	4.708	5.017	5.016	4.842	4.871	4.980	4.996	4.957	5.212	4.951	5.043	5.001	5.032	5.157	4.974	5.058
1430837	a	Mbd1	AK007371	Mm.22522	18	7.324	7.400	6.956	7.086	7.388	6.950	6.986	7.172	7.399	7.168	7.316	7.025	7.302	7.273	7.238	7.061	7.080	6.885	6.991	7.140	7.167	7.183	7.573	7.618
1430838	x	Mbd1	AK007371	Mm.22522	18	6.957	7.142	6.841	6.783	6.854	6.887	6.688	6.653	6.921	6.824	7.199	6.856	6.696	6.911	6.835	6.820	6.462	6.729	6.522	6.758	7.060	7.023	7.393	7.465
1430839	at	9430076G02Rik	AK016401	Mm.159919	18	4.492	4.497	4.547	4.582	4.488	4.596	4.522	4.498	4.527	4.498	4.527	4.498	4.527	4.498	4.527	4.498	4.527	4.498	4.527	4.498	4.527	4.498	4.527	4.498
1430840	at	4930446C03Rik	BF152921	Mm.148858	5	7.575	7.521	6.955	6.869	6.564	6.722	6.749	5.908	5.572	5.651	7.081	5.830	5.631	6.691	5.853	5.950	5.852	5.950	5.852	5.950	5.852	5.950	5.852	5.950
1430841	at	3300002P13Rik	AK014378	Mm.458356	NA	7	1.179	6.844	7.040	7.127	6.935	7.157	7.112	7.242	7.290	6.925	7.246	6.801	7.053	7.138	7.168	7.059	6.779	6.981	6.947	7.196	7.202	6.984	7.163
1430842	at	1500002F19Rik	AK005115	Mm.394279	7	6.460	6.126	6.138	6.212	6.855	6.359	6.388	6.936	6.806	6.471	6.638	6.702	6.480	5.849	5.922	6.368	6.749	5.475	5.877	5.934	5.388	6.285	5.955	5.631
1430843	at	Gad1	AK003937	Mm.475133	9	6.248	6.066	6.225	6.278	6.326	6.318	6.174	6.247	6.478	6.135	6.455	6.202	6.294	6.448	6.240	6.356	6.486	6.198	6.315	6.255	6.255	6.034	6.388	6.183
1430844	at	1700018M17Rik	AK006094	Mm.475882	4	7.076	6.784	6.886	7.130	6.946	6.819	7.048	7.202	7.008	6.948	7.047	7.077	6.972	7.057	6.979	6.990	7.187	7.157	6.898	7.066	7.144	7.047	7.049	6.831
1430845	at	2410018L13Rik	AK001549	Mm.391403	12	7.197	6.841	7.137	7.141	7.182	7.142	7.153	7.242	7.036	6.833	7.257	6.911	7.175	7.066	7.078	7.079	7.223	7.199	7.126	7.085	7.156	6.932	7.232	7.192
1430846	at	1700061G19Rik	AK018867	Mm.160106	17	7.054	6.744	7.016	6.861	6.727	6.802	6.846	7.101	7.073	6.759	6.986	6.831	6.891	6.943	6.896	6.953	6.759	6.892	6.998	6.946	6.792	6.582	6.844	6.826
1430847	at	Hsp4	BF465056	Mm.40989	13	7.954	8.002	7.547	7.561	7.942	7.914	7.986	7.990	7.528	7.876	7.463	7.590	7.429	7.612	7.526	7.591	7.737	7.737	7.644	7.608	7.701	7.751	7.879	7.891
1430848	a	2410017P07Rik	AK015619	Mm.338605	10	5.167	5.014	5.005	5.065	5.027	5.079	5.048	5.266	5.032	4.995	4.940	4.925	4.981	4.955	4.889	4.798	5.270	4.935	5.038	5.042	5.238	5.293	4.992	5.087
1430849	a	Crrf1	AK007402	Mm.343809	14	7.765	7.662	7.367	7.717	7.844	7.701	7.698	7.785	7.641	7.756	7.601	7.889	7.794	7.367	7.604	7.573	7.889	7.791	7.665	7.753	7.897	7.891	7.541	7.591
1430850	x	Crrf1	AK007402	Mm.343809	14	6.163	6.377	6.093	6.288	6.480	6.424	6.378	6.312	6.453	6.112	6.312	6.357	6.316	6.212	6.312	6.282	6.401	6.445	6.342	6.265	6.105	6.397	6.208	6.157
1430851	at	Zfp444	AK012846	Mm.274089	7	8.577	8.158	8.412	8.456	8.397	8.380	8.426	8.478	8.387	8.256	8.433	8.225	8.492	8.408	8.464	8.388	8.372	8.339	8.481	8.575	8.413	8.331	8.408	8.573
1430852	at	1600029J14Rik	AK005560	Mm.307159	9	6.283	6.068	6.082	6.227	6.324	6.254	6.273	6.378	6.443	6.353	6.328	6.148	6.402	6.407	6.221	6.349	6.445	6.298	6.056	6.261	6.337	6.254	6.271	6.141
1430853	a	Pear1	AK014179	Mm.158962	3	7.501	7.294	7.390	7.424	7.712	7.324	7.359	7.468	7.424	7.352	7.638	7												

1430902	at	Ankrd24	AK019475	Mm.304382	10	5.740	5.757	5.762	5.920	5.756	5.828	5.828	5.748	5.672	5.519	5.773	5.580	5.713	5.734	5.689	5.621	5.582	5.606	5.905	5.795	5.716	5.573	5.944	5.488
1430903	at	4933416O17Rik	AK016836	Mm.158159	13	7.384	6.884	7.248	7.197	7.162	7.287	7.365	7.204	7.081	7.017	7.166	6.975	7.131	7.341	7.344	7.437	7.315	7.262	7.178	7.616	7.329	7.117	7.428	7.469
1430904	at	Arfao3	AK018680	Mm.258910	15	7.184	7.082	7.149	7.287	7.305	7.104	7.019	6.920	7.127	7.286	7.061	7.324	7.339	7.152	7.077	7.169	6.900	7.037	7.071	7.072	7.262	6.919	6.847	7.212
1430905	at	4921504E06Rik	AK014808	Mm.158488	2	6.713	6.555	6.802	6.585	6.437	6.710	7.108	6.566	6.920	6.539	6.195	6.801	6.420	6.436	6.506	6.616	6.589	6.669	6.696	6.675	6.539	6.552	6.584	6.565
1430906	at	2510016G02Rik	AK016483	Mm.384279	7	5.357	5.194	5.370	5.417	5.225	5.287	5.235	5.472	5.109	5.159	5.187	5.253	5.328	4.972	5.020	5.408	5.550	5.340	5.581	5.560	5.340	5.524	5.528	5.294
1430907	at	4330455J16Rik	AK015470	Mm.847157	13	4.990	4.666	4.810	5.099	4.959	4.457	4.887	4.916	4.769	4.828	4.053	4.673	4.999	4.962	4.824	4.862	5.114	4.891	5.014	4.919	4.879	4.972	4.976	5.038
1430908	at	4933429O19Rik	AV282421	Mm.136954	14	4.577	4.560	4.571	4.568	4.472	4.555	4.573	4.393	4.459	4.570	4.473	4.436	4.529	4.448	4.402	4.505	4.510	4.465	4.602	4.830	4.613	4.702	4.587	4.570
1430909	at	Nuo2101	AV270366	Mm.159949	3	8.252	7.895	8.028	8.190	8.042	7.948	8.198	8.124	8.289	8.060	8.205	8.002	8.295	8.209	8.071	8.047	8.134	7.979	8.188	8.199	8.151	8.238	8.271	8.081
1430910	at	4930544L04Rik	AK019737	Mm.78900	7	7.081	6.603	6.819	6.948	6.937	6.596	7.013	6.894	6.759	6.751	6.736	6.823	6.802	6.920	6.805	7.008	6.988	6.761	7.060	7.159	7.133	6.732	7.740	7.098
1430911	at	D19Ertd652e	AV232581	Mm.458438	19	4.941	4.844	5.149	4.962	4.741	5.030	5.150	4.621	4.854	4.778	5.058	4.975	4.969	4.779	5.052	5.221	5.121	4.874	5.131	5.011	4.988	4.817	4.862	5.022
1430912	a at	TecbT	AK010948	Mm.42139	19	6.327	6.310	6.273	6.079	6.264	5.990	6.156	6.070	6.219	6.123	6.080	6.023	6.094	6.179	6.012	6.225	6.184	5.986	6.453	6.035	6.003	6.206	6.245	6.125
1430913	at	AK007800	Mm.33692	6	5.347	5.052	5.260	5.246	5.021	5.139	5.376	5.346	5.173	5.298	5.399	5.221	5.257	5.317	5.160	5.207	5.172	5.268	5.238	5.260	5.220	4.980	5.188	5.202	
1430914	at	26122424Rik	BB025171	Mm.160080	14	7.067	6.653	6.767	6.992	6.922	6.700	6.894	6.925	6.827	6.752	6.649	6.800	6.783	6.789	6.815	6.820	6.915	6.801	6.827	6.830	6.620	6.936	6.860	6.888
1430915	at	Fndc8	AK019639	Mm.286733	11	6.641	6.515	6.545	6.677	6.533	6.480	6.707	6.451	6.693	6.608	6.687	6.630	6.603	6.579	6.525	6.676	6.621	6.624	6.720	6.654	6.614	6.655	6.641	6.619
1430916	at	Fancd2	AK019136	Mm.160061	6	5.970	5.803	6.329	6.112	6.114	6.297	6.172	6.030	6.176	6.157	6.112	5.935	6.070	6.077	6.128	5.913	6.288	5.940	6.186	6.330	6.283	6.061	6.106	6.272
1430917	at	91304011L1Rik	AV377743	NA	6	7.613	7.667	7.694	7.826	7.516	7.810	7.664	7.566	7.989	7.879	7.794	7.680	7.855	7.939	7.953	7.721	7.621	7.785	7.827	7.893	7.744	7.562	7.946	7.872
1430918	at	3-Mar	AK018160	Mm.312623	18	5.580	5.614	5.626	5.415	5.318	5.593	5.600	5.570	5.571	5.644	5.581	5.559	5.561	5.453	5.670	5.548	5.339	5.317	5.551	5.466	5.311	5.479	5.442	5.773
1430919	at	4930525F21Rik	AK015893	Mm.444732	2	6.612	5.778	6.283	6.350	6.323	6.162	6.223	6.200	6.231	5.852	6.134	6.259	6.111	6.109	6.151	6.321	6.318	6.300	6.210	6.228	6.601	6.234	6.534	6.209
1430920	at	Tmr11	AK014181	Mm.294503	10	5.924	5.569	5.791	5.913	5.774	5.807	6.026	5.769	5.840	5.786	6.005	5.701	5.746	5.719	5.916	5.824	5.727	5.905	5.804	6.115	6.024	5.708	6.102	6.104
1430921	at	4930082L01SRik	AK018625	Mm.400599	7	5.009	5.354	5.174	5.217	5.203	5.100	5.246	5.238	5.255	5.127	5.110	5.124	4.803	5.242	5.038	5.077	5.277	5.280	5.170	5.356	5.118	4.920	5.036	5.208
1430922	at	5530401A14Rik	AK017430	Mm.158687	11	6.538	6.151	6.715	6.602	6.381	6.497	6.464	6.337	6.385	6.275	6.526	5.943	6.284	6.248	6.349	6.332	6.467	6.501	6.506	6.581	6.658	6.527	6.634	6.611
1430923	at	261300M13Rik	AK011946	NA	6	4.042	3.991	4.124	4.120	4.085	4.136	4.259	4.005	4.211	3.886	4.037	3.821	3.884	4.054	4.064	4.068	3.978	3.898	4.332	4.180	4.004	4.040	4.121	4.208
1430924	at	4933440M02Rik	AK017137	Mm.159465	7	6.525	6.500	6.683	6.725	6.635	6.522	6.846	6.870	6.820	6.419	6.731	6.504	6.728	6.623	6.749	6.696	6.820	6.640	6.823	6.627	6.718	6.702	6.702	6.841
1430925	at	4930556L07Rik	AK016149	Mm.195735	2	6.253	5.707	5.931	6.053	5.993	6.138	6.120	6.159	5.872	5.965	6.051	5.843	6.007	5.753	6.122	5.968	6.003	6.107	6.131	6.197	6.035	5.919	6.101	6.232
1430926	at	Ttcl8	AK017232	Mm.159759	14	4.802	4.807	4.745	4.704	4.775	4.706	4.819	4.878	4.815	4.687	4.826	4.960	4.956	4.809	4.671	4.771	4.943	4.703	4.795	4.773	4.773	4.835	4.867	4.752
1430927	at	Ceacam18	AK008389	Mm.158821	7	6.836	6.516	6.852	6.719	6.572	6.641	6.790	6.797	6.620	6.300	6.709	6.405	6.705	6.593	6.583	6.736	6.851	6.732	6.399	6.638	6.920	6.728	6.782	6.691
1430928	at	2910002J02Rik	AK016843	Mm.158126	19	6.433	6.229	6.216	6.426	6.466	6.459	6.232	6.438	6.424	6.301	6.313	6.424	6.256	6.233	6.065	6.039	6.034	6.035	6.246	6.638	6.228	6.228	6.228	6.228
1430929	at	4930082L01SRik	BB102433	NA	X	9.912	9.912	9.912	9.903	9.644	9.554	9.564	9.585	9.502	9.584	9.438	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578	9.578
1430930	at	0613003B21Rik	AK002788	Mm.411813	8	6.528	6.483	6.403	6.551	6.455	6.482	6.508	6.480	6.664	6.394	6.465	6.466	6.413	6.677	6.430	6.711	6.701	6.598	6.687	6.461	6.803	6.754	6.437	6.403
1430931	at	4933403003Rik	AK013973	Mm.379673	10	5.069	4.950	4.981	4.986	4.956	5.009	5.103	4.999	4.994	4.957	5.201	4.752	4.992	4.971	4.895	4.912	5.105	5.093	5.062	5.147	5.031	5.093	5.116	
1430932	at	Slc9a8	AK018301	Mm.278924	2	6.987	7.092	7.126	7.011	7.005	6.650	6.913	6.754	6.939	7.022	6.955	7.001	7.150	7.084	7.025	6.882	7.215	7.069	6.907	6.941	7.147	7.295	7.254	7.089
1430933	at	5730433K22Rik	AV295297	Mm.158400	6	6.236	5.965	6.071	6.085	6.044	5.835	6.040	6.077	6.088	6.029	5.933	5.976	5.984	6.218	5.733	6.136	6.008	6.218	6.124	5.978	5.950	6.083	5.820	5.950
1430934	at	Naaladl2	AK012899	Mm.448351	3	4.488	4.249	4.377	4.533	4.369	4.563	4.479	4.506	4.482	4.339	4.481	4.352	4.376	4.460	4.654	4.491	4.488	4.659	4.451	4.365	4.615	4.570	4.364	4.567
1430935	at	4933413G19Rik	AK016804	Mm.269883	6	5.534	5.427	5.272	5.215	5.245	5.432	5.179	5.254	5.623	5.161	5.289	5.357	5.421	5.388	5.317	5.362	5.215	5.473	5.192	5.467	5.322	5.297	5.348	5.238
1430936	at	4933413G19Rik	AK017029	Mm.158635	18	5.989	7.204	7.216	7.251	7.139	7.195	7.174	7.383	7.769	7.124	7.230	7.127	7.295	7.354	7.756	7.359	7.163	7.053	7.163	7.345	7.372	7.187	7.187	7.187
1430937	at	4930016Q22Rik	AK020867	Mm.410762	7	7.832	7.552	7.905	7.807	7.662	7.669	7.888	7.525	7.613	7.637	7.862	7.515	7.685	7.696	7.853	7.831	7.737	7.775	7.764	7.730	7.750	7.722	7.606	7.820
1430938	at	Zlf64	AK021257	Mm.2095	2	6.370	6.324	6.344	6.530	6.384	6.297	6.569	6.480	6.487	6.321	6.377	6.278	6.384	6.549	6.296	6.167	6.300	6.262	6.499	6.345	6.409	6.333	6.600	6.230
1430939	at	4930528D03Rik	AV267730	Mm.444771	13	4.994	4.821	5.009	4.772	4.758	4.903	4.891	4.761	4.843	4.632	4.864	5.045	4.815	4.824	4.754	4.760	4.750	4.908	4.738	5.026	5.038	5.013	4.927	5.350
1430940	at	3110045A19Rik	AV166410	NA	15	8.397	7.941	8.111	8.130	8.176	8.070	8.075	8.104	8.569	8.217	8.331	8.021	8.425	8.124	8.109	8.154	7.972	8.095	8.090	8.118	8.269	8.089	8.416	8.058
1430941	at	Bbs7	AK018389	Mm.286187	3	5.223	5.225	5.393	5.164	5.504	5.527	5.318	5.161	4.747	5.218	5.242	5.255	5.075	5.195	5.191	5.336	5.233	5.217	5.205	5.668	5.193	5.126	5.545	5.211
1430942	at	8430437O03Rik	AV367796	Mm.451719	1	7.649	7.169																						

1430991	at	1810014801Rik	AK017634	Mm.392261	10	7.040	7.432	7.531	7.193	6.725	7.438	7.530	6.956	7.367	7.943	6.892	6.856	8.077	7.778	7.771	7.415	7.405	8.088	8.455	7.208	7.242	7.949	8.003	
1430992	s at	Cisd2	BE916591	Mm.269993	3	7.722	8.015	7.872	7.958	8.059	7.959	8.146	7.788	7.445	7.632	7.757	7.787	7.368	7.771	7.939	7.819	7.874	8.084	7.913	7.830	7.734	7.780	7.902	7.763
1430993	at	Uba2p1	AA83196	Mm.25610	3	5.134	5.222	5.289	5.247	5.360	5.322	5.229	5.311	5.250	5.173	5.254	5.362	5.378	5.280	5.397	5.277	5.311	5.384	5.376	5.198	5.226	5.099	5.267	
1430994	at	Tndc11	AA119513	Mm.175989	19	8.689	8.365	8.479	8.580	8.454	8.336	8.527	8.407	8.355	8.361	8.366	8.400	8.455	8.493	8.384	8.583	8.363	8.331	8.435	8.524	8.643	8.278	8.593	8.458
1430995	at		BF162157	Mm.260041	18	4.922	4.797	4.853	4.771	4.787	5.167	5.042	4.857	4.554	4.842	4.695	4.842	4.830	4.902	4.902	5.130	4.824	4.855	5.103	5.071	4.846	4.913	5.025	4.977
1430996	at	Entk1	BG867902	Mm.272548	6	5.103	4.932	5.01	4.920	4.790	4.95	5.04	5.089	5.04	4.923	5.045	4.902	4.959	5.085	5.02	4.964	4.831	5.051	5.120	5.203	5.133	4.830	4.995	5.074
1430997	at	Cdd4	A1882525	Mm.31752	16	5.804	5.710	5.972	5.833	5.706	5.990	5.851	5.708	5.772	5.788	5.839	5.828	5.781	5.736	5.842	5.795	5.533	5.714	5.736	6.106	5.589	5.658	6.066	5.696
1430998	at	Sqrdl	BE626283	Mm.28986	2	6.382	6.227	6.420	5.972	6.071	6.092	6.299	6.020	6.117	6.147	6.153	5.911	5.938	6.010	5.954	6.114	5.984	6.248	6.252	6.184	6.162	6.424	6.194	6.228
1430999	a at	Scoc	BM932452	Mm.246911	8	7.363	7.594	7.105	7.277	7.473	7.093	7.321	7.765	7.420	7.456	7.128	7.428	7.289	7.163	7.051	7.241	7.894	7.411	7.236	7.064	7.931	7.764	7.234	7.048
1431000	at	2310002B06Rik	BB651128	Mm.220253	17	6.280	6.416	6.453	6.739	6.957	6.526	6.280	6.507	6.342	6.514	6.684	6.599	6.521	6.685	6.809	6.551	6.602	6.766	7.542	6.974	6.745	6.472	6.670	6.848
1431001	at	9030624J02Rik	AK018573	Mm.213298	7	6.213	6.087	5.934	6.019	5.990	5.922	6.084	6.061	5.931	5.918	6.160	5.971	6.009	6.054	6.141	6.108	6.158	6.110	6.105	6.043	6.191	6.080	6.230	6.208
1431002	x at	Fah2a	AK002291	Mm.288676	2	9.452	8.738	9.554	9.451	8.861	9.388	9.273	8.974	8.299	8.641	8.762	9.075	8.808	8.484	9.171	9.554	9.399	9.564	9.352	9.321	9.188	9.435	9.349	9.518
1431003	at	2610002J02Rik	AK003268	Mm.10374	4	8.113	9.479	8.326	8.293	8.683	8.413	8.255	8.805	9.324	9.152	8.407	9.225	9.154	9.046	8.656	8.309	8.460	8.538	8.631	8.323	8.589	8.352	8.001	8.025
1431004	at	Lc100047339	AA145741	NA	14	9.054	10.953	8.665	8.781	10.774	9.217	8.987	10.150	11.337	10.883	10.624	10.477	10.963	10.959	9.597	8.783	8.834	8.893	9.035	8.502	8.934	9.012	8.742	8.144
1431005	at	D10Wsu102e	AA693052	Mm.196210	10	5.323	5.194	5.015	5.096	5.177	5.165	5.295	5.028	5.173	5.043	5.312	4.999	4.927	5.119	4.877	5.013	5.164	4.968	5.431	4.853	4.976	5.131	5.317	5.285
1431006	at	Mrlp3	AI466027	Mm.29746	9	7.858	7.302	7.747	7.530	7.425	7.776	7.579	7.402	7.185	7.043	7.511	7.156	7.425	7.424	7.160	7.584	7.224	7.251	7.245	7.047	7.145	7.123	7.347	7.478
1431007	at	9030025P20Rik	AA153045	Mm.393767	17	8.350	8.453	8.304	8.611	8.839	8.621	8.762	8.427	9.108	8.899	8.714	8.745	8.712	8.638	8.780	8.428	9.129	8.817	8.840	8.910	8.891	8.891	8.827	8.771
1431008	at	0610037M15Rik	B916808	Mm.431282	17	8.383	8.469	9.522	9.253	8.877	8.865	11.211	8.917	8.448	8.466	8.434	8.396	8.874	8.819	8.514	9.526	8.316	8.148	8.326	8.135	9.027	8.751	8.176	7.966
1431009	at	B230219D22Rik	BG923812	Mm.28449	13	7.217	7.040	6.913	7.052	6.928	6.881	6.908	7.250	7.108	7.210	6.860	7.141	7.163	7.087	6.935	6.920	7.056	7.057	6.775	6.990	6.953	7.222	7.144	6.940
1431010	a at	Rdh12	BF17587	Mm.274373	12	6.590	6.150	6.467	6.526	6.568	6.563	6.581	6.924	6.517	6.539	6.608	6.672	6.627	6.635	6.595	6.652	6.625	6.641	6.563	6.638	6.583	6.427	6.364	6.673
1431011	at	Dist	AK019713	Mm.296221	12	8.476	8.344	8.526	8.560	8.412	8.604	8.539	8.230	8.240	8.213	8.456	8.233	8.079	8.456	8.349	8.569	8.585	8.618	8.707	8.840	8.923	8.212	8.585	8.798
1431012	a at	Pcd1	AK009478	Mm.28883	13	11.888	11.478	11.888	11.961	11.497	11.924	11.904	12.004	11.021	11.128	11.490	11.602	11.302	11.251	11.608	11.907	12.281	12.118	12.093	12.027	12.130	12.248	11.869	11.927
1431013	at	Psmd11	AA050796	Mm.260539	11	7.006	6.858	6.857	6.995	6.821	6.781	6.881	6.977	6.673	6.580	6.935	6.745	6.833	6.825	6.707	6.858	6.908	6.761	6.885	6.781	6.998	6.776	7.004	7.187
1431014	at	Cecr2	AK013061	Mm.333537	6	6.282	5.866	6.596	6.517	6.260	6.345	6.316	6.343	6.181	5.937	6.326	6.205	6.083	6.076	6.330	6.352	6.578	6.704	6.629	6.705	6.523	6.384	6.380	6.749
1431015	at	Tmem129	AI595513	Mm.475923	5	8.301	8.407	8.265	8.389	8.348	8.264	8.321	8.314	8.479	8.384	8.260	8.614	8.410	8.281	8.359	8.318	8.369	8.572	8.471	8.348	8.268	8.348	8.270	8.149
1431016	at	Cwf191	BB666837	Mm.276109	19	6.941	6.889	6.997	7.148	6.942	6.919	6.886	6.591	6.925	6.823	6.619	6.746	6.916	7.003	6.924	7.083	6.690	6.905	6.918	7.063	6.875	6.767	6.963	7.040
1431017	at	Rplh2	BM280068	Mm.280068	13	5.986	6.205	6.145	6.246	6.246	6.243	6.144	6.152	6.306	6.201	6.297	6.156	6.297	6.084	6.084	6.297	6.084	6.297	6.084	6.297	6.084	6.297	6.084	6.297
1431018	at	1810013L24Rik	BB622293	Mm.190668	16	7.143	7.015	7.107	6.959	6.884	6.914	7.523	7.243	6.693	6.693	7.372	7.372	7.432	7.432	7.577	7.427	7.508	7.466	7.527	7.414	7.537	7.527	7.117	7.566
1431019	at	Lrrc2	B1246669	Mm.31247	7	5.617	5.516	5.574	5.666	5.453	5.643	5.584	5.583	5.530	5.472	5.604	5.504	5.554	5.588	5.562	5.512	5.525	5.531	5.591	5.769	5.529	5.472	5.494	5.616
1431020	a at	Fgfr10p2	AK008993	Mm.333499	6	8.940	9.344	8.837	9.056	8.687	9.009	8.958	9.392	9.215	9.119	8.609	8.902	8.987	8.979	8.792	8.839	9.459	9.196	9.017	9.025	9.401	9.600	8.973	8.984
1431021	at	Cyb561d1	BG863799	Mm.246391	3	6.180	5.947	6.332	6.293	6.271	6.311	6.476	6.115	6.136	6.135	6.198	6.066	6.308	6.240	6.163	6.177	6.217	6.007	6.390	6.478	6.201	6.016	5.852	5.974
1431022	at	Snca	AK014472	Mm.17484	6	4.879	4.641	4.811	4.987	4.906	4.831	4.714	4.720	4.760	4.693	4.700	4.612	4.631	4.731	4.758	4.454	4.728	4.698	4.758	4.875	4.800	4.740	4.829	4.761
1431023	at	C030046E11Rik	BG297856	Mm.353838	19	6.748	6.467	6.688	6.920	6.711	6.743	6.887	6.663	6.754	6.624	6.676	6.785	6.658	6.616	6.697	6.659	6.732	6.658	6.744	6.905	6.784	6.753	7.004	6.954
1431024	a at	Arid4b	AK020165	Mm.439784	13	5.453	5.264	5.270	5.240	5.533	4.951	5.041	6.000	5.246	5.449	5.041	5.892	5.438	4.724	5.241	5.199	5.917	5.062	4.770	5.094	5.399	5.833	5.286	5.291
1431025	at	Rplh2	BB622107	Mm.190668	13	6.941	6.858	6.989	6.958	7.399	7.892	7.969	8.224	7.517	7.989	7.407	7.853	7.880	7.435	7.987	7.987	7.858	8.008	7.926	7.836	5.996	5.373	5.227	5.198
1431026	at	Nat12	BF168504	Mm.257688	14	7.037	7.573	7.045	6.920	7.143	7.100	7.161	7.173	7.312	7.243	7.365	7.346	7.272	7.148	7.194	6.963	7.041	7.074	7.106	7.180	7.306	7.514	7.344	7.153
1431027	at	28104555005Rik	AK013357	Mm.458554	8	6.308	6.136	5.939	6.184	6.185	6.130	6.237	6.229	6.160	6.232	6.245	6.224	6.175	6.282	6.347	6.040	6.174	6.139	6.172	6.155	6.111	6.145	6.027	6.189
1431028	a at	Pank1	AK017345	Mm.24742	19	10.254	9.738	10.250	10.272	9.546	10.112	9.966	9.843	9.192	9.453	8.843	9.828	9.258	9.416	9.807	10.249	10.594	10.401	10.409	10.390	10.286	10.399	10.296	10.159
1431029	at	Tllr1	BB638308	Mm.44746	2	6.148	5.880	6.020	6.081	6.046	5.792	5.951	6.134	5.801	5.901	6.059	5.967	5.905	5.830	5.955	5.949	6.071	5.892	5.808	6.042	6.108	5.858	6.047	6.133
1431030	a at	Rnf14	AK010162	Mm.228903	18	4.947	4.980	4.950	5.080	5.050	5.162	4.973	4.882	5.120	5.080	5.235	4.764	5.061	4.981	5.072	5.118	4.983	4.834	4.932	5.185	4.816	4.860	4.965	5.342
1431031	at	Arid4b	BE286482	Mm.439784	13	4.932	4.922	4.693	4.784	5.106	5.121	4.888	4.6																

1431080	at	1700021K10Rik	BB611374	Mm.376234	8	5.499	5.230	5.750	5.519	5.404	5.806	5.768	5.559	5.607	5.677	5.619	5.513	5.583	5.614	5.703	5.630	5.691	5.415	5.573	5.812	5.563	5.622	5.521	5.700	
1431081	a	at	Plscr3	AK011716	Mm.28874	11	8.714	9.062	8.572	8.895	8.947	8.678	8.580	8.732	9.010	9.012	8.837	8.763	8.954	8.956	8.753	8.698	8.688	8.629	8.602	8.768	8.711	8.527	8.687	8.652
1431082	a	at	Rab3b	AK016099	Mm.28158	16	5.446	5.286	5.478	5.817	5.395	5.619	5.602	5.405	5.447	5.326	5.426	5.337	5.488	5.586	5.458	5.487	5.531	5.460	5.612	5.532	5.282	5.600	5.532	5.360
1431083	a	at	1810014B01Rik	AK012122	Mm.392261	10	4.531	4.183	4.652	4.626	4.351	4.614	4.631	4.328	4.094	4.273	4.280	4.389	4.305	4.311	4.268	4.887	4.607	4.632	4.880	4.871	4.461	4.690	4.702	4.649
1431084	x	at	1810014B01Rik	AK012122	Mm.392261	19	6.359	6.333	6.063	6.945	6.703	6.806	6.879	6.580	6.419	6.274	6.643	6.485	6.339	6.550	6.710	7.078	7.564	7.145	7.118	7.186	6.978	7.009	7.089	7.187
1431085	at	Pcm11	AA389937	Mm.258431	10	10.344	10.735	10.495	10.451	10.504	10.370	10.497	10.222	10.440	10.682	10.644	10.800	10.398	10.478	10.540	10.475	10.154	10.438	10.531	10.351	10.248	10.329	10.245	10.575	
1431086	s	Pcm11	AA389937	Mm.258431	10	9.737	10.543	9.958	9.837	10.243	10.154	10.159	10.133	10.371	10.319	10.337	10.171	10.193	10.568	9.783	9.925	10.152	10.114	9.897	9.908	9.976	9.929	10.245	10.033	
1431087	at	Spc24	BF577722	Mm.295642	9	7.822	8.720	7.799	8.039	7.831	7.923	7.856	8.368	8.237	8.077	8.031	7.550	7.740	8.312	7.844	7.814	8.086	8.080	7.690	7.783	8.198	8.204	7.689	7.616	
1431088	at	Foxp4	BO286886	Mm.240062	17	7.132	6.899	7.024	7.038	7.052	6.954	6.929	7.207	7.454	7.500	7.103	7.310	7.108	6.936	7.002	7.025	7.125	7.133	6.907	6.788	7.058	6.795	7.061	6.983	
1431089	at	Cpsf2	BI649218	Mm.716	12	4.141	4.324	4.196	4.220	3.995	4.169	4.135	4.000	4.327	4.031	4.490	3.969	4.238	4.381	3.927	4.119	4.155	4.096	4.034	3.938	3.985	3.953	4.078	4.092	
1431090	at	Ssurf2	BE626468	Mm.294770	4	7.379	7.019	7.182	7.268	7.151	7.194	7.492	7.136	7.109	7.090	7.446	6.974	7.268	7.123	7.145	7.105	7.230	7.280	7.255	7.369	7.396	7.099	7.329	7.197	
1431091	at	Pvpo1	BB595944	Mm.273605	9	6.110	5.972	6.261	5.919	5.938	5.771	5.951	5.869	5.742	5.870	5.950	5.670	5.851	5.871	5.758	6.051	5.798	5.852	6.016	6.091	5.824	5.730	6.142	6.105	
1431092	at	Ppp1r12c	BF722737	Mm.360391	7	7.695	7.637	7.460	7.682	7.578	7.588	7.446	7.775	7.608	7.661	7.709	7.579	7.563	7.566	7.536	7.539	7.730	7.733	7.685	7.652	7.596	7.746	7.645		
1431093	at	Npnp3	AK014393	Mm.476064	9	6.029	5.924	5.990	6.132	5.929	6.004	5.981	5.865	5.941	5.834	6.108	6.068	5.847	5.940	5.766	6.053	6.059	5.971	6.072	6.135	6.097	6.077	5.988	5.998	
1431094	at	1110006E14Rik	AK003491	Mm.151018	12	6.252	6.342	6.201	5.844	6.367	6.236	6.238	6.321	7.151	7.024	6.530	6.443	6.557	6.709	6.420	6.037	5.936	6.101	6.057	6.108	5.882	5.731	5.865	6.052	
1431095	a	at	Herc5	AI639807	Mm.297393	6	8.818	8.550	8.961	8.723	8.887	8.878	8.966	8.726	8.759	8.825	8.965	8.702	8.819	8.915	8.809	9.011	8.668	8.569	8.863	8.959	8.765	8.557	8.815	8.885
1431096	at	Ints8	BB661182	Mm.246713	4	4.642	5.272	4.771	4.614	4.866	4.817	4.486	4.840	5.009	4.764	4.610	5.006	4.600	4.695	4.745	4.663	4.520	4.690	4.677	4.418	4.799	4.992	4.699	5.004	
1431097	at	Garnl1	PV465935	Mm.292180	12	6.735	6.516	6.300	6.664	6.471	6.636	6.611	6.559	6.572	6.410	6.588	6.526	6.667	6.406	6.556	6.665	6.719	6.603	6.597	6.694	6.714	6.503	6.772	6.846	
1431098	at	Chl1	AK014540	Mm.241109	5	10.793	10.334	10.072	10.242	10.619	10.124	10.136	11.307	9.933	10.104	10.243	10.657	10.397	9.569	10.247	10.250	11.002	10.376	9.728	10.162	10.952	11.216	10.172	10.331	
1431099	at	Hoxd8	AA265122	Mm.280673	2	6.987	7.203	7.150	7.159	7.312	7.029	7.225	7.241	7.519	7.374	7.138	7.460	7.556	7.662	7.337	7.186	7.059	7.073	7.111	6.935	7.239	7.053	6.982	6.956	
1431100	at	Rpl1	BB631353	Mm.74632	7	6.818	6.761	6.655	6.793	6.756	6.648	6.798	6.658	6.766	6.592	6.748	6.766	6.652	6.877	6.758	6.767	6.684	6.695	6.740	6.816	6.732	6.542	6.921	6.752	
1431101	a	at	Srd5a1	AK019597	Mm.422833	13	6.409	6.155	6.205	6.264	6.182	6.217	6.318	6.319	6.170	6.147	6.459	6.140	6.187	6.305	6.007	6.326	6.332	6.163	6.136	6.230	6.380	6.206	6.179	6.197
1431102	at	Cep350	BB645791	Mm.260247	1	7.040	6.722	6.925	6.783	6.932	6.690	7.049	7.100	6.996	7.000	6.990	6.731	6.937	6.977	6.919	6.911	6.835	6.620	6.870	7.039	6.765	6.843	6.646	7.022	
1431103	at	1700003P14Rik	AK016350	Mm.141235	13	4.533	4.433	4.311	4.506	4.404	4.394	4.574	4.411	4.335	4.475	4.364	4.513	4.346	4.338	4.226	4.406	4.450	4.362	4.543	4.458	4.355	4.372	4.280	4.338	
1431104	at	4930522H14Rik	AK015869	Mm.45820	4	6.514	6.194	6.653	6.389	6.108	6.236	6.388	6.310	6.260	6.018	6.059	6.158	6.269	6.254	6.340	6.511	6.496	6.171	6.333	6.490	6.619	6.394	6.279	6.365	
1431105	a	at	Tmem33	AK012413	Mm.23217	5	7.863	8.210	7.794	7.925	7.950	7.750	7.794	8.014	8.460	8.161	8.287	8.060	8.036	8.164	7.883	7.800	7.150	7.911	7.850	7.799	8.285	8.331	8.009	8.050
1431106	a	at	1810035H05Rik	AK013112	Mm.352912	15	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827	5.827
1431107	at	Usp31	BC294476	Mm.389329	2	5.944	5.594	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792	6.836	6.792
1431108	at	2410131K14Rik	BE573845	Mm.103428	5	6.866	6.841	6.651	6.905	6.876	6.892	6.806	6.940	6.872	6.619	6.855	6.844	6.861	6.862	6.735	6.904	6.679	6.593	7.045	6.979	6.894	6.718	6.763	6.911	
1431109	at	Prr1e	AI120070	Mm.63546	18	6.380	6.182	6.514	6.292	6.072	6.283	6.438	6.316	6.415	6.150	6.277	6.066	6.297	6.155	6.385	6.472	6.052	6.299	6.410	6.697	6.284	6.283	6.433	6.401	
1431110	at	Plncd2	AK017369	Mm.313938	2	5.980	6.017	6.308	6.033	6.320	6.608	6.124	6.138	6.352	6.869	6.053	6.401	6.693	6.026	6.590	6.356	6.419	6.552	6.426	6.389	6.067	6.356	6.487	6.183	
1431111	at	Exo1	BG294267	Mm.70666	4	5.818	5.443	5.918	5.810	5.892	5.801	5.910	5.927	5.877	5.871	5.903	5.816	5.932	5.922	5.874	6.031	5.869	5.937	5.996	5.868	5.827	5.800	5.900	5.845	
1431112	at	Ulk3	AA929323	Mm.155877	9	8.180	8.053	8.196	8.285	8.079	8.298	8.229	8.219	8.282	8.198	8.156	7.888	8.207	8.145	8.242	8.188	8.249	8.096	8.185	8.277	8.223	8.055	8.196	8.178	
1431113	at	Rbm4b	AK004302	Mm.440378	19	7.061	6.901	7.125	7.035	7.165	7.142	7.181	7.359	7.181	7.057	7.081	7.053	7.323	7.089	7.038	7.201	7.241	7.258	7.246	7.236	7.129	7.566	7.243	7.187	
1431114	at	Reb3	BB608645	Mm.214243	12	5.397	5.266	5.937	5.393	5.315	5.027	5.024	5.240	5.329	5.395	5.432	5.308	5.553	5.402	5.203	5.835	5.906	5.826	5.908	6.013	5.858	5.936	5.826	5.975	
1431115	at	Toll2	AK017884	Mm.315625	2	7.025	6.906	7.024	7.118	6.915	6.811	7.023	6.822	7.119	7.046	7.205	7.054	6.972	7.079	6.997	7.010	6.990	7.050	6.998	7.000	7.238	6.986	7.002	6.968	
1431116	at	CG30003D03Rik	BB617959	Mm.266260	10	6.066	5.860	6.019	6.073	5.992	6.148	6.202	6.184	5.933	6.186	6.259	6.087	6.070	6.360	6.093	6.083	6.116	6.128	6.298	6.381	6.176	5.788	6.025	6.217	
1431117	x	at	1810029B16Rik	BC016246	Mm.294985	8	8.194	8.135	8.151	8.005	7.880	8.203	8.133	8.007	8.084	7.938	7.795	7.925	7.998	7.805	7.978	8.020	8.058	8.053	7.902	8.116	7.883	8.161	8.024	7.962
1431118	at	6720427H10Rik	BB664131	Mm.441798	13	7.540	7.166	7.527	7.588	7.409	7.803	7.499	7.564	7.516	7.645	7.399	7.546	7.732	7.597	7.523	7.440	7.388	7.478	7.608	7.639	7.480	7.687	7.419	7.494	
1431119	at	Dnaib13	BE644537	Mm.278554	7	7.236	7.108	7.038	7.271	7.178	7.004	7.341	7.493	7.105	7.144	7.386	7.087	7.030	7.367	7.226	6.983	7.711	7.264	7.354	6.933	7.208	7.173	7.202	7.182	
1431120	a	at	Golga1	AK024637	Mm.311098																									

1431169	at	Pocp1	BG803764	Mm.253601	1	4.565	4.399	4.240	4.340	4.377	4.236	4.444	4.354	4.424	4.373	4.259	4.344	4.300	4.182	4.331	4.373	4.236	4.402	4.277	4.449	4.377	4.260	4.431
1431170	at	LOC100046031	AA388313	NA	3	6.234	5.641	5.869	5.835	5.964	5.995	5.923	6.021	6.136	5.791	6.019	5.860	5.973	5.713	5.983	5.900	5.812	5.874	5.779	6.011	5.947	5.820	5.964
1431171	at	Drc4	BF535767	Mm.171357	15	6.260	5.900	6.113	6.108	5.994	6.133	6.142	6.160	6.235	5.988	6.091	5.874	6.107	6.010	6.178	6.207	6.019	6.024	6.140	6.272	6.399	6.068	6.163
1431172	at	Or04	BB620704	Mm.291059	2	4.012	4.079	3.822	3.786	3.938	3.666	3.912	4.039	3.895	4.051	4.012	3.877	3.880	4.008	3.802	3.879	3.974	3.893	3.866	3.818	3.762	3.962	3.934
1431173	at	AB30008G19Rik	AK020820	Mm.225649	7	6.205	6.562	6.468	6.749	6.723	6.661	6.817	7.272	6.789	6.765	6.264	7.139	6.796	6.578	6.773	6.538	7.331	7.290	6.682	6.737	7.072	7.051	
1431174	at	NA	BG297411	NA	7	7.654	7.306	7.312	7.505	7.348	7.347	7.349	7.579	7.584	7.574	7.221	7.550	7.465	7.502	7.348	7.119	7.380	7.124	7.364	7.554	7.742	7.454	
1431175	at	1810019D21Rik	BE630331	Mm.393274	8	7.469	7.415	7.401	7.453	7.382	7.429	7.408	7.553	7.469	7.401	7.373	7.475	7.400	7.611	7.375	7.400	7.488	7.193	7.373	7.410	7.546	7.173	
1431176	at	Chmp4c	AK008733	Mm.366147	3	9.252	9.173	9.389	9.453	9.549	9.294	9.262	9.377	8.941	9.311	9.438	9.531	9.162	8.986	9.482	9.401	9.192	9.185	9.041	9.129	9.401	9.491	
1431177	a	OTTMUSG000000	AK002613	Mm.380532	1	12.478	12.959	12.272	12.380	12.506	12.449	12.434	12.921	13.159	12.843	12.668	12.749	12.695	12.972	12.442	12.027	12.793	12.723	12.404	12.348	12.460	12.858	
1431178	at	Ulbp1	BF016392	Mm.424422	10	5.802	5.954	5.675	5.824	5.920	5.823	5.860	5.731	5.883	5.838	6.076	5.835	5.797	6.010	5.693	5.777	5.784	5.817	5.668	5.624	5.865	5.831	
1431179	at	Entpd7	BB873170	Mm.248237	19	7.024	8.074	7.220	7.423	7.747	7.222	7.219	7.227	7.971	7.473	7.478	7.266	7.557	7.686	7.308	7.188	6.840	7.083	7.154	7.176	7.124	7.000	
1431180	at	Zfp433	BI691461	Mm.327409	10	6.857	6.611	6.970	6.858	6.646	7.103	6.979	6.856	6.554	6.703	6.600	6.676	6.890	6.703	6.734	6.891	6.918	6.916	6.895	7.143	6.813	6.883	
1431181	a	Luc7l	AK017655	Mm.440216	17	8.217	8.185	8.262	8.303	8.392	8.458	8.255	8.011	8.093	8.105	8.363	8.411	8.216	8.192	8.359	8.304	8.280	8.147	8.267	8.301	8.845	8.186	
1431182	at	Hsp4a	AK004608	Mm.290774	9	9.562	8.480	8.683	8.417	8.658	8.805	9.236	6.725	6.634	6.570	8.062	6.144	6.193	6.419	6.413	7.961	6.890	7.052	6.676	6.593	6.303	6.467	
1431183	at	1700066M21Rik	AA109251	Mm.263673	1	4.693	4.745	4.392	4.569	4.363	4.618	4.769	4.377	4.484	4.467	4.490	4.553	4.647	4.648	4.585	4.499	4.363	4.509	4.737	4.659	4.314	4.434	
1431184	a	4930503B20Rik	AK015685	Mm.250432	3	4.853	4.758	4.803	4.790	4.825	4.690	4.874	4.906	4.750	4.700	4.868	4.687	4.765	4.872	4.707	4.905	4.735	4.758	4.820	4.675	4.856	4.842	
1431185	at	4930503B20Rik	AK015685	Mm.250432	3	3.676	3.697	3.781	3.663	3.703	3.653	3.665	3.575	3.610	3.561	3.668	3.523	3.749	3.621	3.705	3.718	3.792	3.597	3.753	3.641	3.744	3.591	
1431186	at	Dlq5	BF140264	Mm.68971	14	6.862	6.610	6.833	6.820	6.764	6.851	6.766	6.634	6.639	6.770	6.744	6.678	6.792	6.780	6.633	6.848	6.761	6.831	6.776	6.795	6.791	6.557	
1431187	s	Dlq5	BF140264	Mm.68971	14	6.188	6.174	6.153	6.211	6.429	6.063	6.128	6.398	6.327	6.284	6.688	6.476	6.455	6.431	6.290	6.260	6.413	6.328	6.120	6.190	6.134	6.275	
1431188	a	Tom1	BI247687	Mm.290868	8	9.816	10.078	9.771	9.739	9.706	9.669	9.579	9.515	9.958	10.020	9.798	10.109	9.863	9.888	9.695	9.863	9.636	9.810	9.609	9.645	9.743	9.515	
1431189	a	Fahd2a	Mm.288676	2	8.183	7.582	8.430	8.218	7.629	7.965	7.964	7.655	6.629	7.062	7.241	7.834	7.244	6.843	8.024	8.301	8.138	8.196	8.069	8.063	8.003	8.154	8.079	
1431190	x	Fahd2a	BI872590	Mm.288676	2	10.091	9.587	10.303	10.223	9.628	10.117	9.858	9.656	9.063	9.334	9.512	9.704	9.310	9.306	9.916	10.191	9.996	10.075	10.023	10.135	10.007	9.983	
1431191	at	Svt1	AK018163	Mm.289702	10	6.708	6.338	6.390	6.580	6.415	6.703	6.554	6.626	6.580	6.336	6.420	6.426	6.579	6.595	6.566	6.580	6.723	6.562	6.566	6.434	6.608	6.426	
1431192	at	Sorbs2	AK011482	Mm.211096	8	6.737	7.032	6.414	6.003	6.714	6.038	6.470	6.644	6.987	7.045	6.856	6.994	6.957	6.799	6.808	6.482	5.609	5.939	6.163	5.988	6.283	5.898	
1431193	at	Taf4b	AK012135	Mm.312233	18	5.481	5.297	5.505	5.549	5.290	5.348	5.297	5.370	5.350	5.145	5.555	5.282	5.293	5.448	5.547	5.446	5.210	5.549	5.417	5.399	5.473	5.236	
1431194	at	6030468B19Rik	AK020081	Mm.159981	11	7.629	7.482	7.629	7.678	7.600	7.450	7.638	7.593	7.473	7.385	7.494	7.349	7.630	7.509	7.381	7.596	7.576	7.566	7.581	7.607	7.595	7.489	
1431195	at	Brl170	AK001906	Mm.291906	8	8.024	8.096	8.173	8.064	8.174	8.036	8.174	8.096	8.166	8.084	8.162	8.044	8.064	8.183	8.068	8.098	7.948	7.948	7.948	7.948	7.948	7.948	
1431196	at	Atp2c1	BG296252	Mm.326247	17	7.189	7.208	7.104	7.077	7.162	7.151	7.143	7.131	7.183	7.294	7.193	7.197	7.162	7.204	7.204	7.204	7.204	7.204	7.204	7.204	7.204	7.204	
1431197	at	Ar16p2	BB641782	Mm.175403	17	6.816	6.806	6.515	6.567	6.495	6.529	6.587	6.641	6.394	6.563	6.751	6.343	6.416	6.536	6.528	6.728	6.524	6.778	6.538	6.667	6.644	6.433	
1431198	x	9430038I01Rik	AK020460	Mm.29184	7	7.843	7.832	7.535	7.423	7.596	7.484	7.585	7.813	7.583	7.439	7.535	7.678	7.372	7.460	7.515	7.532	7.964	7.999	7.522	7.510	7.983	7.769	
1431199	at	0610031G08Rik	BG271102	Mm.440437	17	8.647	8.248	8.549	8.605	8.405	8.405	8.584	8.872	7.713	7.875	8.011	8.297	7.964	7.708	8.216	8.283	9.151	9.053	8.506	8.424	9.085	9.402	
1431200	a	Dph3	AA267016	Mm.2519	14	6.399	6.473	6.363	6.332	6.441	6.559	6.320	6.241	6.053	6.229	6.055	5.960	6.278	6.325	6.144	6.297	6.322	6.054	6.484	6.378	6.554	6.376	
1431201	at	Hsc25a27	BB659415	Mm.288697	17	6.962	6.680	7.075	6.955	6.912	7.006	7.061	6.954	6.777	6.783	6.801	6.840	6.786	6.857	6.893	6.995	6.982	6.914	7.096	6.973	7.096	6.906	
1431202	at	Herc3	AK017531	Mm.191892	6	5.729	5.432	5.580	5.751	5.563	5.580	5.705	5.756	5.585	5.586	5.682	5.709	5.435	5.789	5.580	5.559	5.596	5.701	5.593	5.786	5.669	5.653	
1431203	at	Solc6a8	Mm.137139	Mm.137139	1	7.540	7.142	7.529	7.495	7.428	7.483	7.469	7.453	7.420	7.389	7.355	7.416	7.258	7.483	7.385	7.428	7.436	7.445	7.587	7.445	7.439	7.433	
1431204	at	4930504A10Rik	AI451448	Mm.195726	2	5.214	5.128	5.051	5.274	5.311	5.261	5.222	5.490	5.147	5.241	5.008	5.139	5.307	4.975	5.200	5.399	5.268	5.192	5.201	5.048	5.258	5.516	
1431205	at	Slc39a8	BB654770	Mm.278924	2	6.319	6.082	6.399	6.282	6.079	6.228	6.294	6.573	6.142	6.021	6.388	6.300	6.179	6.462	6.377	6.355	6.375	6.270	6.251	6.387	6.286	6.224	
1431206	at	5730601F06Rik	BI110339	Mm.428682	9	6.064	5.751	5.922	6.175	5.793	5.749	6.018	5.521	5.595	5.894	5.739	5.864	5.752	6.017	5.853	6.042	5.863	5.801	6.194	6.095	6.003	5.874	
1431207	at	2900024O10Rik	BI988711	Mm.31095	13	7.269	7.182	7.515	7.539	7.771	7.457	7.465	7.238	7.297	7.278	7.229	7.477	7.451	7.496	7.429	7.562	7.710	7.559	7.576	7.662	7.451	7.674	
1431208	a	Slc39a3r2	BF468098	Mm.21587	17	9.007	8.704	9.024	8.906	8.955	8.805	8.735	9.028	8.389	8.646	9.007	8.867	8.962	8.331	9.002	9.180	8.807	8.757	8.629	8.821	9.172	9.034	
1431209	s	ENSMUSG000000	BG083186	Mm.394727	9	5.090	4.927	5.172	5.212	5.049	4.958	5.152	5.175	5.278	5.045	5.123	5.085	5.018	5.243	5.046	4.983	5.161	5.153	5.168	5.202	5.173	5.031	
1431210	at	Them5	AK0045107	Mm.180200	6	4.374	4.374	4.560	4.364	4.374	4.364	4.364	4.278	4.368	4.278	4.368	4.278	4.368	4.278	4.368	4.278	4.368	4.278	4.368	4.278	4.368	4.278	
1431211	s	Them5	AK0045107	Mm.180200	6	5.793	5.944	5.871	5.929	5.758	5.717	5.921	5.879	5.973	5.912	5.085	5.990	5.868	5.865	5.907	5.964	5.553	5.548	5.808	5.817	5.670	5.697	
1431212	a	Trm1f5	BG079674	Mm.341199	2	6.799	6.890																					

1431258	at	Dido1	BI078113	Mm.253836	2	6.144	6.108	6.223	6.244	6.185	6.021	6.198	6.253	6.204	6.183	6.195	5.922	6.294	6.074	5.993	6.113	6.263	6.213	6.091	6.280	6.162	6.113	6.131	6.309	
1431259	at	4921537171Rik	BE635076	Mm.458459	2	7.120	7.029	7.100	7.181	7.129	7.162	7.272	7.247	6.830	7.227	6.760	7.107	7.202	7.249	6.986	7.146	7.080	7.141	7.082	7.282	7.132	7.022	7.212	6.954	
1431260	at	4833471C18Rik	BE847798	Mm.399894	11	6.972	6.668	6.918	6.847	6.798	6.646	6.868	6.792	6.637	6.510	6.698	6.775	6.636	6.826	6.749	6.861	6.739	6.843	6.846	6.896	6.900	6.718	6.953	6.879	
1431261	at	Clic5	BB610000	Mm.37666	17	7.740	8.334	7.721	7.467	7.855	7.256	7.440	7.901	8.166	8.277	7.536	7.890	7.965	8.108	7.899	7.499	7.077	7.346	7.531	7.371	7.456	7.050	7.415	7.596	
1431262	at	2610042L04Rik	AK011748	Mm.460196	14	8.036	7.870	7.942	7.984	7.787	7.888	7.932	7.877	7.873	7.821	7.820	7.827	7.872	7.865	7.848	7.863	7.844	7.854	7.864	7.884	8.121	7.984	8.121	7.984	
1431263	at	PKrag2	AK010703	Mm.33649	5	4.812	4.484	4.656	4.638	4.504	4.671	4.525	4.457	4.491	4.688	4.472	4.702	4.570	4.483	4.712	4.564	4.712	4.564	4.712	4.564	4.712	4.564	4.712	4.670	
1431264	at	NA	AV047154	NA	NA	3.873	3.831	3.951	3.915	3.912	3.905	3.911	3.967	3.864	3.948	3.913	3.827	3.774	3.888	4.025	3.910	3.984	4.085	4.021	3.776	3.925	4.043	3.798	3.904	
1431265	at	Zfp28	BB373326	Mm.127014	7	5.228	5.122	5.433	5.335	5.172	5.453	5.317	5.295	5.087	5.086	5.187	5.128	5.052	5.117	5.404	5.270	5.289	5.600	5.450	5.503	5.452	5.336	5.269	5.479	
1431266	at	5830433G22Rik	BI102599	Mm.453453	1	5.774	5.551	5.814	5.541	5.632	5.901	5.678	5.696	5.667	5.569	5.903	5.616	5.699	5.700	5.647	5.744	5.552	5.615	5.618	5.939	5.874	5.543	5.667	5.796	
1431267	at	5430425J12Rik	AK017337	Mm.105251	13	6.062	5.803	6.106	6.024	6.046	6.079	6.086	6.054	6.008	6.015	6.066	6.000	5.972	6.031	6.298	6.047	5.967	6.005	6.017	6.169	5.904	5.741	6.084	6.075	
1431268	at	ENSMUSG000000	AK021321	Mm.439875	12	4.420	4.348	4.370	4.227	4.414	4.245	4.316	4.353	4.297	4.111	4.189	4.201	4.132	4.176	4.450	4.336	4.416	4.329	4.213	4.202	4.427	4.485	4.184	4.240	
1431269	at	Prdx4	AK014651	Mm.247542	X	4.476	4.560	4.585	4.323	4.304	4.630	4.710	4.762	4.289	4.375	4.459	4.476	4.596	4.484	4.551	4.410	4.290	4.491	4.501	4.390	4.468	4.288	4.626	4.533	
1431270	a at	Astf1	AK006153	Mm.84941	9	7.689	7.923	7.581	7.692	7.558	7.609	7.463	7.447	7.429	7.409	7.276	7.732	7.710	7.547	7.122	7.401	7.273	7.354	7.365	7.577	7.365	7.428	7.294	7.421	
1431271	at	210428J06Rik	AK013182	Mm.239343	3	5.465	5.263	5.281	5.253	5.291	5.195	5.438	5.284	5.410	5.449	5.304	5.330	5.527	5.362	5.140	5.208	5.104	5.321	5.349	5.203	5.454	5.348	5.202	5.160	
1431272	at	LOC100045266	BI872238	NA	2	4.933	4.627	4.688	4.758	4.851	4.873	4.889	4.707	4.744	4.846	4.817	4.658	4.693	4.844	4.827	4.770	4.803	4.809	4.753	4.908	4.846	4.931	4.617	5.095	
1431273	at	Trip4	BB647853	Mm.208379	9	4.964	5.030	5.008	5.012	4.916	4.995	4.947	4.939	5.135	5.086	5.045	4.992	5.012	5.203	5.220	5.101	5.141	4.890	5.148	5.326	5.084	5.226	5.064	5.176	
1431274	a at	Hspa9	AA543265	Mm.209419	18	6.715	6.302	6.522	6.592	6.642	6.480	6.515	6.700	6.657	6.307	6.589	6.537	6.588	6.568	6.515	6.682	6.844	6.537	6.575	6.594	6.705	6.786	6.583	6.798	
1431275	at	Chaf1b	BB851263	Mm.274222	16	7.064	7.187	7.015	7.245	7.121	7.089	7.066	7.202	7.187	7.063	7.148	7.114	7.139	6.979	7.039	7.036	7.180	6.914	7.228	7.163	7.247	7.243	7.136	7.051	
1431276	at	9130019P16Rik	AK018637	Mm.461053	6	6.756	6.500	6.699	6.520	6.726	6.690	6.690	6.797	6.595	6.642	6.631	6.512	6.813	6.707	6.585	6.692	6.727	6.642	6.704	6.896	6.783	6.681	6.649	6.746	
1431277	at	Plaz26	BG078690	Mm.155620	15	9.299	8.864	9.242	9.217	9.982	9.173	9.295	9.952	9.089	8.880	9.075	8.915	8.956	9.053	8.999	9.249	9.005	9.074	9.068	9.243	9.150	8.844	9.359	9.134	
1431278	s at	Plaz26	BG078690	Mm.155620	15	6.352	6.054	6.219	6.168	6.091	6.297	6.240	6.224	6.324	6.115	6.362	6.197	6.366	6.040	6.446	6.336	6.260	6.470	6.236	6.214	6.099	6.062	6.016	6.072	
1431279	s at	THf5	AK016145	Mm.132172	12	8.991	8.816	8.924	9.094	8.929	8.964	8.816	8.931	8.974	8.799	8.873	8.898	8.858	8.901	8.795	9.061	8.905	8.869	9.032	9.012	8.881	8.834	8.929	8.936	
1431280	at	AIi597468	AK005698	Mm.474465	10	6.111	6.467	6.257	6.187	6.271	6.210	6.226	5.805	6.359	6.259	6.158	6.197	6.120	6.515	6.207	6.060	6.159	6.098	6.168	6.288	6.077	5.833	6.126	6.228	
1431281	at	Dvstf21	AK004064	Mm.46477	11	6.321	6.077	6.492	6.315	6.346	6.384	6.433	6.330	6.416	6.269	6.418	6.414	6.279	6.208	6.393	6.169	6.445	6.383	6.401	6.312	6.520	6.631	6.316	6.664	
1431282	at	Med24	AK020269	Mm.246493	11	5.922	5.742	5.955	5.953	5.958	5.821	6.027	6.115	6.043	5.786	6.092	5.795	6.018	6.018	5.945	6.097	5.868	6.021	6.084	6.035	5.940	6.011	6.226		
1431283	at	NA	BB457112	NA	NA	7.738	7.616	7.700	7.787	7.756	7.608	7.743	7.732	7.644	7.583	7.750	7.643	7.687	7.704	7.810	7.900	7.639	7.604	7.609	7.744	7.668	7.635	7.704	7.681	
1431284	a at	Mm000021	Mm.11112	7	7.360	7.270	7.502	7.397	7.384	7.323	7.395	7.327	7.360	7.335	7.321	7.360	7.341	7.353	7.349	7.365	7.348	7.359	7.361	7.359	7.361	7.359	7.361	7.359	7.361	
1431285	at	Mern1	AK011742	Mm.229126	16	10.098	9.921	10.127	10.112	9.996	10.351	10.032	8.805	9.492	9.823	9.931	9.701	9.702	9.742	10.022	10.364	9.580	10.307	10.328	10.450	9.733	10.178	10.307	10.480	
1431286	at	5830416119Rik	BB637114	Mm.159329	5	6.558	6.291	6.545	6.525	6.242	6.370	6.602	6.379	6.305	6.119	6.135	6.197	6.148	6.191	6.161	6.296	6.066	6.254	6.294	6.685	6.283	6.224	5.550	6.314	
1431287	at	Pcm1	BB589989	Mm.117896	8	5.346	5.239	5.460	5.558	5.550	5.552	5.707	5.664	5.621	5.723	5.750	5.629	5.769	5.720	5.776	5.788	5.601	5.627	5.754	5.688	5.347	5.629	5.576	5.414	
1431288	at	Car10	AK012302	Mm.342160	11	7.308	7.057	7.088	6.981	7.089	7.095	7.210	7.087	7.263	7.099	7.284	7.060	7.145	7.145	7.024	7.135	7.135	7.116	7.244	7.126	7.110	7.116	7.143	7.220	
1431289	at	Tspan32	BB635485	Mm.281172	7	9.696	9.181	9.584	9.509	9.420	9.343	9.493	9.491	9.457	9.237	9.391	9.284	9.326	9.955	9.487	9.365	9.484	9.534	9.541	9.426	9.144	9.434	9.475		
1431290	at	903588BJ15Rik	AK016367	Mm.443246	15	6.777	6.359	6.829	6.661	6.466	6.515	6.783	6.738	6.653	6.367	6.803	6.547	6.455	6.628	6.701	6.715	6.666	6.827	6.843	6.848	6.754	6.574	6.658	6.725	
1431291	at	Cdc16	AA200442	Mm.182412	8	6.230	6.004	6.242	6.259	6.066	5.954	6.178	6.130	6.043	6.063	6.254	5.995	6.168	5.899	6.204	6.142	6.105	6.169	6.274	6.084	6.120	5.970	6.153	6.365	
1431292	at	NA	AK017896	Mm.126870	3	10.560	10.749	10.582	10.732	10.492	10.722	10.573	10.344	10.565	10.547	10.377	10.371	10.347	10.342	10.343	10.342	10.343	10.342	10.343	10.342	10.343	10.342	10.343	10.342	10.343
1431293	a at	Cldnd1	AK012260	Mm.29482	16	8.556	9.185	9.234	8.814	8.459	9.214	8.768	9.018	8.621	8.883	9.325	8.997	8.608	9.359	8.880	9.236	8.929	8.491	8.876	8.487	8.455	8.640	8.874	8.735	
1431294	at	Speer8-ps1	AK016672	Mm.459025	5	6.646	6.317	6.597	6.580	6.651	6.795	6.633	6.506	6.629	6.435	6.559	6.478	6.414	6.377	6.543	6.578	6.653	6.586	6.547	6.698	6.525	6.478	6.632	6.597	
1431295	a at	Stx18	AK016910	Mm.18959	5	5.800	6.213	6.092	5.917	5.586	5.770	5.559	5.298	6.066	6.389	5.660	6.090	5.620	5.857	5.731	5.756	5.512	5.736	5.774	5.670	5.431	5.557	5.564	6.041	
1431296	at	Gpr15	AA555873	Mm.390873	16	4.791	4.726	4.620	4.780	4.780	4.947	4.727	5.013	4.902	4.638	4.838	4.638	4.526	4.555	4.878	4.710	4.820	4.606	4.764	4.711	4.679	4.909	4.861	4.667	4.571
1431297	a at	4933436C20Rik	AK017076	Mm.86664	8	6.329	5.857	6.407	6.636	6.068	6.123	6.027	6.505	5.863	5.773	6.066	6.573	6.279	5.980	6.019	6.417	5.954	5.870	6.066	6.376	6.143	5.784	5.858	6.114	
1431298	at	5930416119Rik	AK011109	Mm.132908	6	4.350	4.198	4.353	4.26																					

1431347	at	57304017M17Rik	Ai317200	Mm.442609	2	7.217	7.162	7.255	7.254	7.179	7.183	7.343	7.169	7.132	7.125	7.323	7.006	7.055	7.146	7.185	7.342	7.424	7.333	7.226	7.343	7.130	6.935	7.240	7.057
1431348	at	Ppilfos	AK019686	Mm.444727	14	5.214	4.887	4.999	5.046	4.995	5.033	5.142	5.081	5.042	4.921	5.050	5.088	5.034	5.208	4.987	5.031	5.221	4.965	4.959	5.058	5.016	5.088	5.055	5.157
1431349	at	Hnrrnpab	AK013709	Mm.280842	11	5.771	6.742	5.566	5.446	5.988	5.511	5.622	6.043	5.816	6.295	5.899	5.899	5.543	6.119	5.759	5.613	5.726	5.596	5.581	5.278	5.682	5.594	5.476	5.694
1431350	at	C130036L24Rik	BB648012	Mm.389155	1	7.180	6.878	7.009	6.883	6.969	6.814	7.087	6.956	7.031	6.946	7.054	6.937	6.903	6.904	6.964	7.096	6.721	6.970	7.043	6.986	6.953	7.035	7.064	6.891
1431351	at	Pvt1	B1453402	Mm.4608	15	4.947	4.878	4.808	4.802	4.800	4.688	4.911	4.831	4.856	4.854	4.893	4.889	4.891	4.845	4.896	4.876	4.756	4.841	4.896	4.870	4.873	4.845	4.870	4.845
1431352	at	B1453402	Mm.4608	15	4.360	4.425	4.512	4.516	4.147	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439	4.220	4.439
1431353	at	Pabpc4cl	AA276770	Mm.119234	3	4.214	4.174	4.113	4.079	4.087	3.891	3.961	4.079	3.910	4.241	4.075	4.073	4.063	3.948	4.153	3.894	3.952	4.041	3.918	3.926	3.837	4.217	4.130	3.958
1431354	at	Fars2	AK020164	Mm.70690	13	11.034	10.897	11.411	11.301	11.017	11.186	11.217	10.928	10.660	10.957	11.067	11.067	10.740	10.708	11.124	11.353	11.135	11.531	11.483	11.531	11.215	11.066	11.340	11.382
1431355	s at	Trpm7	BF783360	Mm.244705	2	9.069	8.581	8.975	8.839	8.744	8.872	8.692	8.177	8.250	8.625	8.907	8.647	8.382	8.287	8.659	8.823	8.976	9.101	8.766	8.678	8.737	8.916	9.230	8.523
1431356	at	6430710C18Rik	AK019889	Mm.75260	2	4.059	3.815	3.995	4.073	3.983	4.016	4.016	4.150	3.803	3.878	3.937	3.954	3.972	3.799	3.965	4.002	3.997	4.065	3.832	4.250	4.006	3.978	3.976	3.986
1431357	s at	Rporio1	AK020800	Mm.21662	14	4.746	4.796	4.805	4.519	4.424	4.713	4.672	4.946	4.879	4.553	4.634	4.795	4.532	4.658	4.530	4.519	4.961	4.681	4.711	4.670	4.775	4.475	4.522	4.698
1431358	at	4930547N16Rik	BM874090	Mm.179378	10	4.901	5.421	5.173	4.867	4.875	4.884	4.880	5.201	5.125	4.993	5.182	4.950	5.237	5.425	4.860	4.711	4.935	4.784	4.826	5.044	4.715	4.741	4.992	4.652
1431359	s at	1110007C09Rik	AK003526	Mm.3336	13	10.213	10.398	10.154	10.225	10.173	10.103	10.081	9.995	10.150	10.250	10.138	10.203	10.000	10.022	10.026	10.039	10.508	10.551	10.336	10.313	10.300	10.170	10.179	10.337
1431360	s at	Dmrtcl1a	AI430409	Mm.29672	x	8.001	7.681	7.901	8.010	7.627	7.892	8.126	8.163	7.871	7.943	8.000	7.815	7.891	7.782	7.850	7.814	7.979	7.728	8.046	7.855	7.859	7.939	7.897	7.943
1431361	at	Prcp	AK011816	Mm.389969	7	4.902	5.022	4.828	4.865	4.941	5.002	4.928	5.192	5.240	5.182	5.034	5.470	5.142	5.253	5.257	4.822	5.069	4.939	5.088	5.028	4.991	5.049	4.720	4.597
1431362	a at	Smoc2	AK006809	Mm.30162	17	7.295	7.016	7.152	7.504	7.377	7.540	7.151	7.632	6.686	6.735	7.347	7.356	7.199	7.079	7.266	7.088	7.537	6.979	7.158	7.060	7.588	7.498	7.182	6.979
1431363	at	Nhedc1	AK016917	Mm.85000	3	6.462	6.299	6.257	6.328	6.369	6.409	6.374	6.499	6.259	6.336	6.420	6.333	6.293	6.423	6.578	6.283	6.685	6.281	6.379	6.634	6.443	6.355	6.371	6.395
1431364	a at	EG665577	BC026878	Mm.429067	7	7.612	7.655	7.537	7.811	7.664	7.646	7.870	7.738	7.649	7.669	7.609	7.750	7.615	7.707	7.737	7.710	7.617	7.411	7.673	7.741	7.721	7.681	7.682	7.734
1431365	at	4921534E14Rik	BB653155	Mm.87352	5	7.529	6.999	7.385	7.424	7.288	7.306	7.425	7.366	7.318	7.233	7.106	7.342	7.286	7.304	7.381	7.461	7.454	7.650	7.606	7.692	7.695	7.718	7.438	7.455
1431366	at	4930519G04Rik	AK015843	Mm.251409	5	6.312	6.066	6.225	6.172	6.248	6.124	6.441	6.375	6.138	6.187	6.375	6.338	6.329	6.251	6.346	6.381	6.388	6.215	6.162	6.376	6.222	6.242	6.278	6.187
1431367	at	1-Mar	AK013582	Mm.380457	8	6.446	6.315	6.267	6.447	6.267	6.327	6.440	6.292	6.199	6.229	6.153	6.297	6.399	6.186	6.318	6.352	6.529	6.254	6.163	6.329	6.420	6.404	6.411	6.322
1431368	at	4930404N11Rik	AK015088	Mm.440450	10	5.718	5.351	5.683	5.542	5.288	5.409	5.468	5.491	5.459	5.190	5.628	5.355	5.241	5.431	5.295	5.429	5.589	5.440	5.320	5.557	5.509	5.309	5.596	5.453
1431369	at	6530401G17Rik	BM944240	Mm.358946	12	5.388	5.013	5.509	5.371	5.291	5.618	5.672	5.243	5.089	5.124	5.498	5.227	5.411	5.282	5.554	5.480	5.582	5.101	5.430	5.758	5.486	4.983	5.584	5.081
1431370	at	4930512B01Rik	AK015769	Mm.399254	12	5.621	5.541	5.483	5.558	5.288	5.494	5.449	5.573	5.254	5.350	5.547	5.408	5.299	5.648	5.512	5.524	5.525	5.410	5.613	5.641	5.461	5.513	5.556	5.684
1431371	at	9030411M13Rik	BC028831	Mm.101911	10	4.036	3.810	4.533	4.227	4.111	3.882	4.442	4.258	4.106	3.958	4.528	4.041	4.162	4.220	4.369	4.250	4.179	4.499	4.292	4.704	4.095	4.268	4.633	4.215
1431372	at	Srp2c	AK014004	Mm.288728	7	7.374	7.164	7.314	7.345	7.248	7.257	7.346	7.249	7.292	7.420	6.688	7.220	7.375	7.511	7.427	7.375	7.210	7.311	7.296	7.445	7.303	7.086	7.268	7.373
1431373	at	Rps5	AK016205	Mm.6583	6	6.965	6.863	6.806	6.941	6.762	6.763	6.836	6.759	6.856	6.686	6.809	6.683	6.688	6.747	6.739	6.797	6.814	6.797	6.814	6.797	6.814	6.797	6.814	6.797
1431374	at	6330407A03Rik	AW519657	Mm.454696	6	7.411	7.637	7.202	7.357	7.467	7.461	7.477	7.687	7.593	7.687	7.593	7.687	7.593	7.687	7.593	7.687	7.593	7.687	7.593	7.687	7.593	7.687	7.593	7.687
1431375	s at	Parva	B1692020	Mm.143763	7	9.413	10.049	9.558	9.601	10.041	9.944	9.450	8.997	10.101	10.315	9.777	10.058	10.112	10.104	10.004	9.581	9.577	9.481	9.752	9.642	9.255	9.639	9.599	9.498
1431376	at	Thap8	BB655459	Mm.271677	7	5.911	5.691	5.596	5.737	5.482	5.645	5.566	5.803	5.730	5.467	5.922	5.602	5.837	5.651	5.714	5.539	5.758	5.650	5.680	5.778	5.885	5.605	5.573	5.730
1431377	at	Atxn10	AK013742	Mm.248906	15	6.272	6.886	6.177	6.085	6.287	6.054	6.116	6.392	6.613	6.313	6.735	6.499	6.701	6.089	6.356	6.110	6.268	5.980	6.164	5.940	6.292	6.360	6.307	6.279
1431378	at	Nr3c1	BB600983	Mm.129481	18	4.751	4.546	4.662	4.793	4.478	4.542	4.745	4.436	4.928	4.714	4.822	4.848	4.719	4.750	4.761	4.714	4.784	4.754	4.959	4.986	4.663	4.737	4.742	4.767
1431379	s at	Slc13a1	AK005153	Mm.12929	6	5.587	5.226	5.124	5.445	5.378	5.328	5.406	5.352	5.464	4.998	5.208	5.408	5.228	5.330	5.266	5.145	5.262	5.306	5.369	5.509	5.443	5.385	5.413	5.318
1431380	at	5730409L17Rik	BB662587	NA	6	5.300	5.085	5.209	5.047	4.947	4.926	5.221	5.205	5.069	4.599	5.211	5.094	4.910	5.048	4.965	4.973	5.041	4.923	4.860	5.104	5.086	4.947	5.077	4.937
1431381	at	3110050L24Rik	AK019933	Mm.269373	5	6.492	5.965	6.265	6.589	6.293	6.526	6.325	6.375	6.219	6.328	6.105	6.528	6.364	6.232	6.271	6.545	6.297	6.562	6.352	6.562	6.352	6.562	6.352	6.562
1431382	a at	Cl1p4	AK018895	Mm.196382	17	6.662	6.711	6.816	6.853	6.799	6.823	6.630	6.514	6.469	6.790	6.693	6.691	6.654	6.569	6.680	6.775	6.591	6.800	7.029	6.851	6.515	6.362	6.603	6.723
1431383	at	110228F11Rik	AK003943	Mm.342009	11	6.518	6.357	6.667	6.525	6.295	6.379	6.310	6.671	6.440	6.089	6.591	6.430	6.406	6.453	6.327	6.399	6.493	6.476	6.426	6.544	6.633	6.564	6.691	6.475
1431384	at	Spem1	AK007080	Mm.1591159	11	7.641	7.557	7.908	7.718	7.803	7.766	7.833	7.803	7.787	7.564	7.967	7.674	7.618	7.867	7.864	7.905	7.816	7.697	7.903	8.011	7.796	7.649	7.713	7.946
1431385	a at	Mbtps1	AK002809	Mm.206934	8	4.801	5.101	5.090	4.880	4.817	5.105	5.025	4.679	4.852	4.894	4.729	4.939	4.858	4.858	4.866	4.869	4.637	4.834	4.681	4.878	4.806	4.723	4.914	4.891
1431386	s at	Mbtps1	AK002809	Mm.206934	8	7.745	7.452	7.707	7.669	7.628	7.577	7.821	7.859	7.535	7.449	7.715	7.669	7.673	7.654	7.446	7.562	7.743	7.650	7.691	7.670	7.599	7.628	7.693	7.567
1431387	at	ENSMUSG000000	AK015329	NA	14	4.297	4.182																						

1431436	a at	Katnal2	AK017114	Mm.35803	18	5.623	5.578	5.835	5.576	5.635	5.528	5.583	5.601	5.537	5.445	5.577	5.438	5.474	5.521	5.606	5.538	5.504	5.292	5.529	5.685	5.690	5.555	5.587		
1431437	at	Foxp4	BC023368	Mm.240062	17	7.844	7.522	7.696	7.800	7.667	7.855	7.868	8.042	7.772	7.656	7.890	7.740	7.906	7.871	7.887	7.806	7.791	7.813	7.718	7.977	7.884	7.781	7.805	7.923	
1431438	at	Shb2l1	BB854797	Mm.8538	7	5.624	5.563	5.633	5.751	5.576	5.552	5.744	5.381	5.600	5.349	5.427	5.432	5.644	5.538	5.539	5.524	5.648	5.808	5.676	5.671	5.548	5.810	5.716	5.815	
1431439	at	5830487J09Rik	AK018062	Mm.410778	5	5.213	4.127	4.306	4.144	4.232	4.325	4.240	4.127	4.093	4.143	4.178	4.482	4.113	4.137	4.425	4.515	4.279	4.281	4.418	4.433	4.365	4.419	4.280	4.253	
1431440	at	Pnk2	AK011641	Mm.8189	12	4.045	4.323	4.381	3.978	3.785	3.953	4.005	4.121	4.085	3.920	4.000	3.862	4.039	3.890	3.890	3.862	3.781	4.089	3.862	3.781	4.089	3.862	3.781	4.089	
1431441	at	17001061J6Rik	BF149437	Mm.207320	11	7.211	6.876	7.110	6.797	6.816	6.862	7.041	6.853	6.826	6.706	6.856	6.735	6.869	6.956	6.777	7.058	7.133	7.044	6.804	7.152	7.097	6.825	6.071	7.036	
1431442	at	LOC100049077	AK014010	Mm.46647	NA	4.846	4.630	4.589	4.905	4.730	4.669	4.930	4.751	4.696	4.737	4.683	4.714	4.866	4.744	4.628	4.890	4.870	4.816	4.695	4.912	4.897	4.747	4.788	4.599	
1431443	at	1810008B01Rik	AK007368	Mm.443375	8	6.769	6.695	6.645	6.691	6.951	6.527	6.798	6.961	6.926	6.811	6.871	6.673	6.789	6.855	6.739	6.715	6.711	6.553	6.744	6.763	6.897	6.622	6.788	6.762	
1431444	at	Spinl4	BB073296	Mm.160060	2	5.419	5.600	5.372	5.386	5.549	5.172	5.413	5.338	5.348	5.271	5.551	5.411	5.342	5.532	5.306	5.747	5.252	5.393	5.589	5.557	5.376	5.335	5.514	5.402	
1431445	at	Fam47a	AV265856	Mm.66681	X	3.871	3.738	3.911	4.011	3.897	4.114	3.925	3.933	3.823	3.906	4.172	3.827	3.852	3.881	3.887	4.054	3.988	4.120	3.958	3.992	3.944	3.944	3.849	3.917	
1431446	at	5810009B14Rik	AK002366	Mm.461194	12	7.253	6.946	7.051	7.009	6.918	6.912	7.157	7.175	7.072	6.886	7.064	7.035	7.067	7.217	7.092	7.111	7.043	7.129	6.959	7.287	7.211	7.036	7.065	7.067	
1431447	at	4930432X09Rik	AK015291	Mm.263642	5	7.529	7.334	7.703	7.691	7.546	7.539	7.727	7.650	7.544	7.663	7.692	7.489	7.547	7.594	7.561	7.863	7.665	7.523	7.623	7.637	7.600	7.505	7.432	7.648	
1431448	at	4930474N09Rik	BB014081	Mm.87374	12	4.790	4.500	4.719	4.995	4.779	4.822	4.800	4.539	4.577	4.485	4.948	4.415	4.628	4.812	4.755	4.751	4.593	4.664	4.939	4.697	4.404	4.925	4.478	4.639	
1431449	at	Sloc6l1	AK014872	Mm.389164	1	6.473	6.103	6.711	6.293	6.133	6.553	6.630	6.226	6.382	6.326	6.396	6.281	6.308	6.416	6.349	6.627	6.342	6.410	6.438	6.647	6.507	6.341	6.416	6.586	
1431450	at	4930444P10Rik	AK015384	Mm.78557	1	4.772	4.707	4.631	4.731	4.686	4.575	4.764	4.763	4.571	4.544	4.932	4.622	4.598	4.539	4.749	4.692	4.649	4.799	4.790	4.867	4.834	4.835	4.769	4.651	
1431451	at	Gltd6l1	AK016765	Mm.236431	2	5.954	5.751	5.937	5.923	5.941	5.836	5.925	5.947	6.025	5.692	6.102	5.462	5.809	5.897	5.925	6.020	6.091	5.823	6.066	5.923	6.107	5.845	5.837	5.876	
1431452	at	Ndst4	AK015343	Mm.444289	3	6.853	6.580	6.851	6.630	6.656	6.850	6.897	6.971	6.860	6.768	6.935	6.792	6.959	6.885	6.831	6.959	6.869	6.844	6.854	7.108	6.793	6.874	6.854	6.974	
1431453	at	4933406K04Rik	AK016698	Mm.159404	12	6.442	6.105	6.579	6.472	6.297	6.389	6.419	6.387	6.430	6.137	6.327	6.317	6.433	6.209	6.425	6.427	6.458	6.436	6.811	6.553	6.331	6.504	6.453	6.796	
1431454	at	4930523013Rik	AV267447	Mm.78172	15	4.120	3.842	3.858	3.790	3.916	4.104	3.879	3.878	3.935	3.790	3.995	3.875	3.937	3.858	3.858	3.901	3.852	3.984	3.949	4.043	3.818	3.755	3.900	3.805	
1431455	at	Time30c	AK016597	Mm.158563	16	7.942	7.608	7.647	7.637	7.477	7.743	7.747	7.692	7.488	7.377	7.784	7.286	7.433	7.531	7.685	7.810	7.674	7.732	7.596	7.796	7.650	7.530	7.682	7.690	
1431456	at	4931439C15Rik	AK016507	Mm.399409	18	5.476	5.402	5.432	4.728	5.458	5.438	5.174	5.435	5.504	5.648	5.249	5.380	5.353	5.449	5.436	5.261	5.294	5.670	5.432	5.426	5.500	5.464	5.436	5.565	5.500
1431457	at	7420700N18Rik	AK018363	Mm.390001	8	5.137	5.020	5.209	5.155	5.186	5.290	5.077	5.139	4.976	5.031	5.082	5.176	5.093	5.199	5.215	5.258	4.974	5.544	5.175	5.495	5.153	4.976	5.265	5.340	
1431458	at	4921507L20Rik	AK014837	Mm.437014	2	6.416	6.119	5.930	6.094	5.918	6.014	5.929	6.139	5.988	5.890	6.069	6.051	6.039	5.968	5.944	5.899	6.229	5.939	6.027	6.271	6.222	6.063	6.060	6.130	
1431459	at	9430013L14Rik	BB100292	Mm.444249	6	6.348	5.921	6.428	6.226	6.199	6.318	6.268	6.093	5.970	6.264	6.299	6.059	6.163	6.352	6.417	6.169	6.116	6.328	6.412	6.478	6.239	5.981	6.449	6.286	
1431460	at	4930519D14Rik	AV266623	Mm.292232	13	7.286	6.803	7.069	7.216	6.929	7.018	7.220	7.065	7.071	6.909	7.140	6.887	7.141	7.090	7.036	7.181	6.944	7.044	7.278	7.237	7.084	6.849	7.076	7.031	
1431461	at	4933417E11Rik	AK016843	Mm.370574	1	4.447	4.532	4.462	4.415	4.353	4.471	4.417	4.401	4.264	4.401	4.451	4.381	4.421	4.348	4.381	4.285	4.395	4.398	4.769	4.430	4.202	4.350	4.354	4.376	
1431462	at	Ppp2r12l1	AK001899	Mm.420089	1	7.029	7.727	7.722	7.722	7.029	7.727	7.722	7.029	7.727	7.722	7.029	7.727	7.722	7.029	7.727	7.722	7.029	7.727	7.722	7.029	7.727	7.722	7.029	7.727	
1431463	at	4930447C02Rik	AK014798	Mm.452204	13	3.899	3.889	3.722	3.664	3.892	3.675	3.914	3.779	3.788	3.788	3.626	3.750	3.789	3.762	3.681	3.881	3.775	3.770	3.950	5.783	3.925	3.718	3.790	3.654	
1431464	a at	Pmm2	AK012683	Mm.9699	16	5.086	5.303	5.200	5.081	4.902	5.267	5.032	4.624	5.037	5.333	5.106	5.101	4.726	5.209	4.908	5.364	4.931	4.766	5.169	5.029	4.977	4.667	4.968	4.898	
1431465	s at	Fytl1d1	AK008130	Mm.12831	16	6.107	6.149	5.935	5.898	5.951	6.079	5.938	6.274	6.124	6.073	6.169	5.915	6.000	6.033	6.158	5.855	6.193	6.147	6.365	6.097	5.955	5.976	5.814	6.210	
1431466	at	4930553D19Rik	AK016101	Mm.475402	12	7.019	6.725	6.819	6.991	7.006	6.834	6.875	6.975	6.873	6.514	6.796	7.001	6.752	6.488	6.978	6.754	7.436	7.182	7.005	7.227	7.572	7.377	7.229	6.846	
1431467	at	4931402G19Rik	AV263689	Mm.444742	2	6.412	6.211	6.408	6.436	6.260	6.233	6.243	6.082	6.368	6.177	6.405	6.122	6.190	6.434	6.314	6.525	6.302	6.268	6.135	6.467	6.427	6.218	6.263	6.306	
1431468	at	Crisp4	BB073566	Mm.319913	1	4.161	4.070	4.247	4.055	4.051	4.027	4.122	4.086	4.050	3.898	4.113	4.064	4.053	4.092	4.103	4.238	4.099	4.135	4.049	4.075	4.087	4.048	4.062	4.082	
1431469	a at	Cxxc5	AK015150	Mm.94560	18	7.929	8.307	7.892	8.078	8.200	8.086	7.942	8.301	8.459	8.447	7.730	8.707	8.546	8.099	8.081	7.868	8.876	8.787	8.482	8.320	8.079	8.167	7.492	7.648	
1431470	at	4933414L15Rik	AK008594	Mm.34567	19	6.495	6.390	6.662	6.378	6.273	6.743	6.322	6.588	6.568	6.258	6.585	6.289	6.433	6.238	6.765	6.585	6.482	6.955	6.955	6.955	6.955	6.955	6.955	6.955	
1431471	at	4833428M15Rik	AV251009	NA	14	5.565	5.036	5.653	5.392	5.266	5.538	5.610	5.609	4.954	5.238	5.408	5.530	5.462	5.241	5.906	5.365	6.252	5.423	5.177	5.630	5.836	6.216	5.457	5.458	
1431472	at	2310043D23Rik	AK009774	Mm.443434	14	5.315	5.231	5.379	5.195	5.388	5.351	5.079	5.561	5.120	5.383	5.454	5.198	5.459	5.307	5.327	5.140	5.186	5.186	5.328	5.315	5.537	5.289	5.415	5.523	
1431473	at	4933423J11Rik	BB026256	NA	9	4.531	4.348	4.320	4.346	4.376	4.181	4.437	4.349	4.362	4.158	4.372	4.241	4.341	4.283	4.183	4.331	4.288	4.420	4.527	4.751	4.483	4.169	4.383	4.372	
1431474	at	Sdc2	BB364492	Mm.234266	15	5.906	5.680	5.501	5.691	5.926	5.909	5.894	5.869	6.094	5.884	6.092	5.628	6.124	5.908	5.809	5.997	5.819	6.116	6.138	5.919	5.884	5.761	5.840	5.949	
1431475	a at	Hoxa10	AK027630	Mm.5	6	4.153	3.801	4.122	4.217	4.060	4.109	4.332	4.125	4.016	4.076	4.148	4.081	4.135	4.060	4.171	4.127	4.155	4.032	4.355	4.305	4.262	4.051	4.301	4.334	
1431476	at	4933407I05Rik	AV279437	Mm.84915	9	7.118</																								

1431525	at	9130002K18Rik	AK018586	Mm.452019	15	5.215	4.927	5.000	4.685	5.009	4.882	4.897	5.445	5.076	5.095	4.685	5.032	5.101	4.984	4.927	5.312	4.999	5.137	4.988	4.983	5.226	4.885	4.941		
1431526	at	1700010B13Rik	AV258883	Mm.280685	15	4.428	4.311	4.517	4.356	4.425	4.501	4.329	4.596	4.306	4.337	4.572	4.526	4.354	4.469	4.410	4.471	4.567	4.408	4.590	4.406	4.433	4.444	4.239	4.455	
1431527	at	Cd164	AK018009	Mm.269815	10	5.519	5.362	5.395	5.359	5.423	5.327	5.433	5.705	5.398	5.439	5.494	5.472	5.534	5.504	5.368	5.464	5.387	5.343	5.261	5.301	5.539	5.401	5.553	5.316	
1431528	at	5830427D02Rik	BE225800	Mm.449979	15	7.758	7.585	7.535	7.750	7.975	7.937	7.687	7.947	8.243	8.099	7.511	7.793	7.615	7.474	7.855	7.699	8.219	7.878	7.863	7.676	7.658	7.915	7.964	7.815	
1431529	at	4930002H02Rik	BE277116	NA	7	4.982	6.465	7.034	6.731	6.601	6.744	6.735	6.894	6.735	6.863	6.687	6.612	6.720	7.071	6.732	6.552	6.539	6.763	6.949	6.712	6.586	6.708	6.917	6.817	
1431530	a	Tspn1	AK015705	Mm.31927	3	5.340	5.639	5.405	5.345	5.850	5.534	5.707	5.821	5.731	5.674	5.595	5.732	5.627	5.423	5.308	5.638	5.507	5.441	5.595	5.498	5.644	5.684	5.766	5.495	
1431531	at	1700025D03Rik	AK006327	Mm.443280	X	7	7.439	7.176	7.451	7.289	7.333	7.303	7.454	7.425	7.240	7.283	7.477	7.083	7.261	7.335	7.351	7.219	7.241	7.389	7.451	7.554	7.342	7.299	7.398	7.328
1431532	at	4931400007Rik	AK016421	Mm.158500	X	3	7.779	3.872	3.693	3.833	3.833	3.854	3.845	3.859	3.820	3.703	3.857	3.842	3.784	3.717	4.040	3.807	3.997	4.008	3.816	3.942	3.991	3.991	3.933	4.021
1431533	at	4921530D09Rik	AK014983	Mm.86677	2	4.939	4.811	4.820	4.860	4.740	4.832	4.753	4.641	4.824	4.525	4.740	4.513	4.858	4.561	4.652	4.649	4.929	4.670	4.827	4.966	4.808	4.817	4.777	4.594	
1431534	at	NA	AK014830	NA	NA	6.469	6.314	6.313	6.368	6.403	6.328	6.458	6.719	6.144	6.249	6.400	6.132	6.209	6.312	6.386	6.364	6.266	6.520	6.272	6.246	6.458	6.267	6.413	6.159	
1431535	at	Plb1	AK019494	Mm.160067	5	7.612	7.353	7.395	7.588	7.549	7.439	7.458	7.562	7.493	7.616	7.606	7.303	7.476	7.450	7.409	7.430	7.466	7.429	7.553	7.606	7.439	7.386	7.440	7.595	
1431536	at	493432K03Rik	AK015302	Mm.23397	7	5.899	4.919	5.443	5.394	5.120	5.587	5.392	5.192	4.982	5.011	5.483	5.085	5.260	5.356	5.273	5.288	5.086	5.354	5.339	5.466	5.204	5.123	5.362	5.514	
1431537	at	2010001E11Rik	AK009003	Mm.235981	10	6.279	6.079	6.293	6.332	6.119	5.929	6.276	6.300	6.010	5.985	6.125	5.974	6.044	6.204	6.061	6.219	6.074	6.049	6.153	6.157	6.086	6.126	6.277	6.434	
1431538	at	4931415C11Rik	AV2711801	NA	8	4.432	4.386	4.374	4.353	4.210	4.269	4.343	4.379	4.390	4.261	4.307	4.554	4.358	4.452	4.303	4.286	4.351	4.342	4.384	4.402	4.192	4.315	4.393	4.304	
1431539	at	Samsn1	AK015008	Mm.131406	16	4.219	4.078	4.069	4.193	4.162	4.393	4.199	4.207	4.231	4.159	4.294	4.053	4.053	4.323	4.007	4.246	4.128	4.064	4.100	4.123	4.179	4.096	4.215	4.082	
1431540	at	4930511E03Rik	AK019674	Mm.67065	6	6.712	6.462	6.692	6.829	6.674	6.624	6.697	6.703	6.776	6.391	6.722	6.604	6.637	6.701	6.639	6.732	6.635	6.680	6.828	6.854	6.894	6.601	6.836	6.651	
1431541	at	Stt3b	AK016943	Mm.296158	9	6.752	6.448	6.841	6.852	6.597	6.774	6.870	6.689	6.653	6.468	6.797	6.766	6.857	6.617	6.822	7.017	6.700	6.993	6.696	7.108	6.927	6.517	6.889	6.990	
1431542	at	Psen2	AV249558	Mm.330850	1	7.443	7.090	7.350	7.314	7.214	7.256	7.396	7.314	7.194	7.099	7.283	7.114	7.197	7.184	7.149	7.278	7.398	7.210	7.352	7.287	7.393	7.445	7.366	7.336	
1431543	at	9130001E16Rik	AK018581	Mm.400588	18	6.516	6.117	6.346	6.318	6.199	6.366	6.109	6.412	6.048	6.067	6.147	6.292	6.018	6.172	6.253	6.435	6.356	6.153	6.391	6.306	6.362	6.246	6.033	6.202	
1431544	at	4930524B17Rik	AK015880	Mm.387798	6	5.790	5.479	5.973	5.703	5.674	5.876	5.850	5.753	5.610	5.465	5.977	5.460	5.764	5.761	5.721	5.941	5.717	5.892	5.770	6.117	5.740	5.577	5.841	5.718	
1431545	at	4921532D01Rik	AK014993	Mm.379214	14	8.130	7.760	7.837	8.047	7.166	8.041	7.987	8.050	8.034	7.904	8.064	8.003	7.912	7.925	7.889	8.034	8.175	8.068	8.080	8.000	8.006	7.971	8.172	8.040	
1431546	at	4930509K18Rik	AK015738	Mm.399244	4	6.872	6.610	7.020	6.788	6.711	6.733	6.936	6.893	6.805	6.500	6.804	6.538	6.826	6.675	6.774	6.871	6.647	6.835	6.917	7.102	6.911	6.782	6.809	7.091	
1431547	at	4930435F18Rik	AK015323	Mm.292213	13	5.275	4.980	5.325	5.081	5.148	5.306	5.139	5.071	5.107	5.037	5.354	5.066	4.991	5.098	4.974	5.121	4.899	5.195	5.121	5.348	4.949	4.988	5.073	4.921	
1431548	at	4933424G05Rik	AK016892	Mm.391075	18	5.786	5.521	5.845	5.686	5.789	5.902	5.846	5.814	5.698	5.704	5.769	5.457	5.676	5.731	5.783	5.885	5.757	5.671	5.718	5.895	5.770	5.857	5.816	5.906	
1431549	at	NA	AK016978	NA	NA	6.285	5.991	6.368	6.343	6.081	6.378	6.321	6.213	6.111	6.044	6.236	5.975	6.173	6.226	6.140	6.282	6.194	6.180	6.178	6.486	6.272	6.431	6.205	6.337	
1431550	at	4930488B22Rik	AK015643	Mm.410816	1	6.743	6.654	6.911	6.760	6.603	6.652	6.634	6.847	6.472	6.414	6.500	6.631	6.592	6.670	6.629	6.630	6.654	6.558	6.653	6.691	6.733	6.652	6.523	6.842	
1431551	at	2613428D06Rik	AK014983	Mm.405588	4	6.484	6.293	6.451	6.265	6.390	6.463	6.292	6.405	6.286	6.406	6.457	6.287	6.408	6.434	6.205	6.434	6.538	6.485	6.539	6.493	6.528	6.438	6.493	6.938	
1431552	at	AV048631	AK014993	Mm.402692	1	4.034	4.070	4.050	4.025	4.207	4.014	4.201	4.063	4.064	4.055	4.226	4.077	4.018	4.147	4.081	4.144	4.081	4.144	4.081	4.144	4.081	4.144	4.081	4.144	
1431553	at	NA	AK014660	NA	NA	5.958	5.529	5.685	5.669	5.670	5.554	5.824	5.635	5.505	5.394	5.501	5.601	5.650	5.607	5.530	5.785	5.717	5.673	5.592	5.667	5.676	5.500	5.615	5.764	
1431554	a	Anxa9	AK003395	Mm.218844	3	6.684	6.556	6.591	6.476	6.494	6.670	6.494	6.456	6.656	6.678	6.649	6.390	6.609	6.660	6.712	6.684	6.632	6.638	6.696	6.729	6.786	6.799	6.696	6.581	
1431555	at	4933409F18Rik	AK015322	Mm.375018	12	6.640	6.142	6.293	6.498	6.470	6.285	6.404	6.652	6.573	6.346	6.573	6.351	6.621	6.329	6.317	6.443	6.636	6.208	6.547	6.455	6.522	6.497	6.419	6.351	
1431556	at	4930435M08Rik	AK015326	Mm.405588	14	4.513	4.193	4.397	4.334	4.556	4.532	4.407	4.279	4.457	4.388	4.364	4.220	4.350	4.391	4.510	4.266	4.464	4.486	4.332	4.389	4.410	4.366	4.444	4.779	
1431557	at	4930488N15Rik	AK015648	Mm.383538	8	5.945	5.855	5.893	5.861	5.917	5.847	5.869	5.789	5.608	5.704	6.003	5.693	5.805	5.836	5.937	5.590	5.801	5.805	6.089	5.928	5.934	5.786	5.946	5.889	
1431558	at	2310016D03Rik	AK009380	Mm.396408	12	6.150	5.645	6.320	6.015	5.700	5.990	6.076	6.054	5.816	5.737	5.913	6.018	6.061	6.037	6.293	6.056	6.100	6.194	6.202	5.580	6.003	6.177	6.054	6.409	
1431559	at	4922502C10Rik	Mm.35260	6	5.995	6.397	6.265	6.395	6.390	6.996	6.392	6.455	6.916	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	6.018	
1431560	at	Dcckd	AK013988	Mm.277449	11	6.551	6.407	6.402	6.524	6.244	6.405	6.512	6.391	5.969	6.143	6.162	6.180	6.082	6.019	6.362	6.231	6.538	6.437	6.315	6.378	6.520	6.392	6.282	6.322	
1431561	a	Dhx34	AK007461	Mm.75259	7	8.982	8.747	9.062	9.104	8.964	8.967	9.021	8.747	8.887	8.859	8.791	8.892	8.835	8.691	8.837	9.019	9.013	9.219	9.114	9.200	9.103	8.861	8.962	8.969	
1431562	at	4921513I03Rik	AK014882	Mm.427286	10	4.774	4.297	4.492	4.355	4.364	4.581	4.645	4.496	4.456	4.426	4.431	4.258	4.435	4.613	4.628	4.487	4.542	4.605	4.713	4.503	4.692	4.505	4.510	4.600	
1431563	at	2010003K10Rik	AK008071	NA	2	5.336	5.333	5.398	5.143	5.179	5.257	5.264	5.334	5.584	5.402	5.460	5.354	4.899	5.256	5.127	5.275	5.186	5.041	5.394	5.629	5.383	5.235	5.444	5.557	
1431564	at	Bcar3	AK015763	Mm.45815	3	7.589	7.309	7.692	7.637	7.484	7.543	7.598	7.433	7.570	7.327	7.585	7.147	7.538	7.601	7.526	7.769	7.501	7.304	7.364	7.634	7.848	7.477	7.308	7.488	7.495
1431565	at	4930511J24Rik	AK015759	Mm.399250	12	5.																								

1431614	at	2810049E08Rik	AK012929	Mm.460222	13	4.503	4.160	4.585	4.450	4.184	4.366	4.679	4.275	4.214	4.248	4.443	4.172	4.286	4.247	4.394	4.289	4.220	4.451	4.317	4.378	4.438	4.409	4.496	4.591
1431615	at	493058J22Rik	AK016178	Mm.261642	13	5.679	5.302	5.346	5.506	5.258	5.117	5.372	5.153	5.271	5.404	5.344	5.130	5.169	5.276	5.188	5.275	5.231	5.033	5.238	5.345	5.307	5.169	5.328	5.287
1431616	at	1700067C01Rik	AK006911	Mm.69030	7	6.017	5.677	5.928	5.818	5.646	5.656	5.726	5.745	5.887	5.522	5.744	5.580	5.858	5.626	5.617	5.896	5.716	5.663	5.783	5.830	5.700	5.763	5.779	6.261
1431617	at	493405E24Rik	AV279999	Mm.56332	11	5.661	5.136	5.434	5.370	5.316	5.327	5.284	5.257	5.194	5.070	5.229	5.090	5.227	5.118	5.249	5.243	5.251	5.070	5.089	5.302	5.346	5.242	5.240	5.307
1431618	a	PibJ1	AK011717	Mm.22835	14	6.183	6.001	6.317	6.253	6.161	6.172	6.282	6.041	5.734	6.134	6.024	6.131	5.905	6.207	5.985	6.329	6.175	5.971	6.181	6.254	5.963	6.157	6.163	6.338
1431619	a	Ltncb1	AK017400	Mm.352311	13	10.975	10.835	11.057	11.175	10.776	10.947	10.929	10.594	10.621	10.660	10.556	10.662	10.492	10.559	10.777	11.035	11.256	11.309	11.171	11.275	10.988	11.106	10.971	11.349
1431620	at	Dt01p0125594	AK006486	Mm.381283	NA	5.062	4.817	5.033	5.020	5.055	5.005	4.947	5.277	5.176	4.961	5.152	4.964	5.046	4.912	4.986	5.033	4.983	4.974	5.081	5.071	4.987	5.007	4.976	5.005
1431621	at	4930420G21Rik	AK019579	Mm.296547	16	5.677	5.261	5.537	5.441	5.476	5.487	5.465	5.569	5.559	5.391	5.667	5.310	5.463	5.640	5.522	5.489	5.558	5.358	5.761	5.624	5.503	5.341	5.624	5.450
1431622	at	4933406K04Rik	AK016950	Mm.159404	12	4.960	4.808	4.783	4.853	4.800	4.935	4.935	5.006	5.046	4.743	4.901	4.686	4.806	4.916	4.838	4.976	4.951	4.881	4.870	4.844	4.879	4.822	4.747	4.824
1431623	at	1700023H06Rik	AK006278	Mm.423137	13	7.246	6.787	6.902	6.935	6.885	6.855	7.057	7.123	6.869	6.871	7.296	6.845	6.979	6.990	6.875	7.073	7.086	7.187	6.990	7.112	7.145	6.903	7.147	6.833
1431624	a	RnI219	AK020974	Mm.291811	14	4.932	4.690	4.701	4.722	4.602	4.609	4.709	4.791	4.791	4.352	4.625	4.628	4.621	4.662	4.770	4.858	4.710	4.666	4.703	4.681	4.495	4.469	4.478	4.747
1431625	at	Ped1a	AK021279	Mm.40678	2	5.724	5.356	5.572	5.575	5.346	5.565	5.730	5.733	5.499	5.529	5.671	5.553	5.581	5.487	5.590	5.442	5.727	5.526	5.668	5.669	5.723	5.533	5.543	5.555
1431626	at	4933429B19Rik	AK016983	Mm.50944	19	7.077	6.668	6.962	6.962	6.872	6.923	7.092	7.085	7.107	6.693	7.016	6.837	6.825	6.966	6.906	6.983	7.032	6.803	6.850	7.038	6.924	7.178	7.064	
1431627	at	Kif27	AK015814	Mm.446094	13	6.093	5.770	5.670	6.014	5.751	5.975	5.959	5.933	5.988	5.848	6.101	6.031	6.026	6.063	5.978	6.132	5.959	5.931	6.290	6.046	6.344	5.869	6.190	6.134
1431628	at	4930435H24Rik	AV263300	Mm.33854	5	5.643	5.108	5.388	5.420	5.335	5.361	5.311	5.207	5.418	5.035	5.238	5.151	5.130	5.175	5.044	5.263	5.306	4.978	5.070	5.345	5.373	5.225	5.179	5.264
1431629	at	9130221D24Rik	AK002084	Mm.98630	3	5.936	5.836	5.623	5.921	5.824	5.592	5.941	5.928	5.651	5.590	5.580	5.703	5.736	5.539	5.907	5.920	5.935	5.849	5.655	5.949	5.879	5.821	5.891	5.883
1431630	a	Kif03	AK010713	Mm.392759	5	9.561	9.419	9.662	9.600	9.680	9.544	9.530	9.627	9.605	9.473	9.579	9.667	9.697	9.611	9.726	9.527	9.503	9.499	9.533	9.597	9.670	9.443	9.777	9.573
1431631	at	2900057B20Rik	AK013712	Mm.443541	18	7.217	7.070	7.179	7.232	7.126	7.148	7.212	7.058	7.013	7.079	7.263	6.945	7.023	7.118	7.350	7.211	7.284	7.012	7.278	7.158	7.392	7.077	7.260	7.324
1431632	at	4930526L06Rik	AK015905	NA	19	3.964	3.808	4.034	3.640	3.934	4.181	3.944	3.933	3.965	3.767	4.007	3.705	3.820	3.974	4.196	3.871	4.135	3.955	4.039	4.128	3.883	4.041	4.020	3.904
1431633	x	4930526L06Rik	AK015905	NA	19	4.024	3.833	3.879	3.951	3.931	3.916	3.995	3.908	3.905	3.882	3.825	4.020	3.774	3.854	4.011	4.008	3.948	3.950	3.947	3.847	3.945	3.936	3.821	3.971
1431634	at	4930455C13Rik	AK015459	Mm.399240	10	7.925	7.366	7.650	7.721	7.471	7.453	7.750	7.681	7.577	7.438	7.545	7.400	7.389	7.528	7.597	7.621	7.506	7.515	7.660	7.867	7.578	7.518	7.626	7.522
1431635	at	4930412F09Rik	AK015119	Mm.444668	6	5.624	5.370	5.608	5.541	5.567	5.378	5.623	5.725	5.493	5.274	5.518	5.498	5.546	5.475	5.482	5.580	5.529	5.536	5.674	5.537	5.220	5.520	5.701	5.589
1431636	at	4930558K02Rik	B8016304	Mm.108728	1	7.588	7.413	7.464	7.621	7.259	7.411	7.522	7.509	7.390	7.217	7.426	7.358	7.294	7.505	7.436	7.551	7.470	7.294	7.513	7.347	7.543	7.270	7.469	7.415
1431637	at	NA	AK007113	NA	NA	6.206	6.191	6.318	6.114	6.016	6.168	6.214	6.012	6.404	6.259	6.447	6.195	6.209	6.386	6.471	6.285	6.203	6.386	6.406	6.726	6.053	6.206	6.275	6.296
1431638	at	4930592A05Rik	AK016384	Mm.396109	15	6.111	5.791	5.774	5.911	5.739	5.802	6.034	5.659	5.551	5.545	5.837	5.832	5.753	5.866	5.727	5.642	5.459	5.523	5.771	5.763	5.809	5.821	5.618	5.785
1431639	at	4930468A19Rik	AK015525	Mm.107996	X	5.764	5.539	5.643	5.758	5.589	5.748	5.692	5.640	5.648	5.607	5.748	5.515	5.651	5.602	5.631	5.842	5.703	5.921	5.578	5.682	5.698	5.530	5.653	5.671
1431640	at	4930412J4Rik	AK016385	Mm.393178	14	4.801	4.637	4.807	4.674	4.507	4.747	4.601	4.503	4.483	4.401	4.687	4.500	4.582	4.588	4.498	4.488	4.760	4.574	4.870	4.574	4.870	4.530	4.633	4.538
1431641	at	9330161L09Rik	AK020378	Mm.393178	12	6.269	5.996	6.035	6.082	5.954	6.105	5.982	6.052	6.204	6.063	6.052	6.179	6.051	6.332	6.060	6.210	6.193	6.207	6.371	6.287	6.371	6.287	6.371	6.320
1431642	at	EIf23y	AV122850	Mm.250909	Y	4.561	4.356	4.284	4.214	4.482	4.497	4.452	4.329	4.187	4.423	4.531	4.221	4.342	4.243	4.614	4.459	4.745	4.495	4.511	4.503	4.484	4.711	4.353	4.689
1431643	at	Speer6-ps1	AK006638	Mm.335891	13	3.811	3.814	3.689	3.780	3.796	4.004	3.938	3.724	3.805	3.633	3.811	3.718	3.797	3.667	3.831	3.700	4.012	3.745	3.711	3.873	3.759	3.752	3.566	3.737
1431644	a	Ical1	AK005965	Mm.275683	6	6.463	6.601	6.758	6.479	6.414	6.532	6.362	6.346	6.264	6.575	6.463	6.442	6.297	6.400	6.335	6.442	6.440	6.730	6.739	6.642	6.407	6.264	6.520	6.157
1431645	a	GdI2	AK013104	Mm.153226	13	7.867	8.456	8.306	8.211	8.067	8.497	7.988	7.726	8.105	8.622	8.060	8.148	7.995	8.503	8.200	8.330	7.827	7.708	8.089	8.167	7.579	7.791	7.921	8.423
1431646	a	Stx6	AK009690	Mm.66264	1	6.124	6.169	5.963	5.888	5.900	5.697	5.927	6.222	6.138	5.892	5.957	6.036	5.968	5.979	6.097	5.975	6.012	5.937	6.126	5.754	5.980	5.813	5.997	5.790
1431647	a	Ceacam13	AK005537	Mm.46086	7	4.332	4.063	4.563	4.175	4.107	4.139	4.389	4.180	3.997	4.095	4.266	3.987	4.171	4.110	4.309	4.140	4.190	4.167	4.266	4.276	4.295	4.351	3.977	4.055
1431648	at	4930526F29Rik	AK015905	Mm.325921	17	6.826	6.193	6.567	6.933	6.807	6.516	6.943	6.984	6.793	6.104	6.978	6.426	6.994	6.658	6.547	6.951	6.951	6.951	6.951	6.951	6.951	6.951	6.951	6.951
1431649	at	17100108M19Rik	AK016859	Mm.250837	12	6.478	4.493	4.771	4.627	4.525	4.565	4.543	4.413	4.393	4.499	4.613	4.432	4.528	4.534	4.349	4.560	4.465	4.335	4.658	4.565	4.679	4.582	4.522	4.652
1431650	at	1110054P19Rik	AK004258	Mm.416844	11	6.526	6.252	6.482	6.543	6.363	6.149	6.498	6.521	6.334	6.409	6.737	6.453	6.570	6.449	6.251	6.396	6.486	6.274	6.304	6.392	6.388	6.358	6.566	6.579
1431651	at	Cdc151	AK021166	Mm.159953	9	6.518	6.051	6.158	6.303	6.223	6.098	6.115	6.192	6.136	6.114	6.107	6.031	6.004	5.929	6.312	6.219	6.429	6.296	6.409	6.321	6.397	6.237	6.437	6.505
1431652	at	Umms	AK007077	Mm.13145	16	4.531	4.611	4.449	4.621	4.545	4.459	4.664	4.724	4.688	4.486	4.707	4.440	4.709	4.578	4.396	4.458	4.646	4.614	4.683	4.683	4.665	4.790	4.475	4.849
1431653	at	Tcrb-J	AK017898	Mm.333026	6	4.140	3.971	3.999	4.105	3.861	3.957	4.168	4.031	3.983	3.711	3.962	3.862	3.951	3.987	3.939	4.006	4.080	4.120	4.050	4.014	3.991	4.001	3.926	4.082
1431654	at	1700112M01Rik	AK016772	Mm.4739																									

1431703	at	2900027M19Rik	BB665194	NA	8	5.933	5.646	5.788	5.933	5.854	5.868	6.080	5.847	5.925	5.837	5.975	5.818	6.020	5.931	5.834	5.778	5.908	5.780	5.905	5.882	5.988	5.904	5.941	5.879
1431704	a	Ralqps2	AK018622	Mm.28376	1	5.831	5.609	5.774	5.797	5.670	5.869	5.770	5.780	5.841	5.858	5.872	5.644	5.615	5.981	5.751	5.635	5.742	5.571	5.644	5.843	5.521	5.725	5.794	5.847
1431705	a	Mcoln2	AK014467	Mm.116862	3	6.138	6.019	5.791	6.054	5.948	5.972	5.899	5.855	6.054	6.051	6.712	5.870	5.857	6.163	5.960	5.751	5.741	5.530	5.731	5.580	6.002	5.795	5.887	5.946
1431706	at	Ipo5	AK017701	Mm.221452	14	6.677	6.213	6.416	6.392	6.374	6.426	6.508	5.650	6.305	6.183	6.495	6.422	6.233	6.235	6.118	6.495	6.429	6.346	6.331	6.117	6.044	6.540	6.172	6.731
1431707	a	Cytlb3	AK016645	Mm.251003	5	8.080	8.255	8.068	8.218	8.149	8.310	8.158	8.213	8.282	8.178	8.218	8.177	8.138	8.241	8.246	8.148	8.215	8.124	8.075	8.126	8.012	8.153	8.094	8.294
1431708	a	Tia1	AK009502	Mm.423551	6	5.877	5.844	5.935	5.731	5.874	6.071	5.819	5.500	5.496	5.708	5.907	5.705	5.938	5.902	5.711	6.204	6.551	5.905	5.716	5.910	5.980	5.774	5.931	5.728
1431709	at	Mtlf5	AK015732	Mm.209941	19	7.491	6.847	7.345	7.321	7.245	7.222	7.338	7.131	7.268	6.909	7.130	7.207	7.289	7.106	7.097	7.181	7.183	7.216	7.056	7.067	7.381	7.220	7.733	7.223
1431710	at	Cmtm1	AK006679	Mm.443302	8	7.294	7.013	7.229	7.285	7.172	7.237	7.341	7.282	7.265	7.142	7.321	7.162	7.093	7.181	7.204	7.250	7.198	7.139	7.118	7.132	7.257	7.083	7.309	7.380
1431711	a	9030409G11Rik	AK018497	Mm.255986	4	5.616	5.871	5.414	5.677	5.663	5.574	5.754	5.885	5.816	5.831	5.929	5.733	5.768	5.894	5.745	5.843	5.613	5.724	5.714	5.689	5.771	5.626	5.729	5.693
1431712	a	2310022A1ORik	AK009941	Mm.29831	7	9.417	9.561	9.353	9.468	9.451	9.285	9.263	9.376	9.159	9.454	9.180	9.513	9.397	9.067	9.356	9.265	9.462	9.543	9.327	9.356	9.670	9.558	9.358	9.541
1431713	at	Sufu	AK015885	Mm.412110	19	8.119	7.782	7.876	8.048	7.925	7.800	8.029	7.976	8.029	7.847	8.076	7.714	7.897	7.955	8.018	7.801	8.047	7.874	8.001	8.114	8.214	7.886	8.094	7.901
1431714	at	2310015D24Rik	AK009355	Mm.158330	16	6.977	6.685	6.837	7.017	7.051	7.116	7.144	7.087	6.801	6.877	6.863	6.980	6.922	6.759	6.996	7.057	7.107	7.209	7.038	7.000	7.173	7.270	7.241	7.141
1431715	a	Liq3	AK010719	Mm.277136	11	7.412	7.010	7.570	7.202	7.097	7.352	7.396	7.102	7.081	7.275	7.299	7.274	7.232	7.283	7.411	7.550	7.269	7.235	7.342	7.480	7.352	7.196	7.315	7.540
1431716	at	Herc4	AK009436	Mm.234437	10	5.761	5.688	5.839	5.683	5.726	5.909	5.976	5.667	5.685	5.701	5.352	5.684	5.754	5.708	5.786	5.728	5.543	5.703	5.828	5.581	5.505	5.532	5.816	5.820
1431717	at	Akap5	AK014386	Mm.311452	12	6.570	6.458	6.379	6.518	6.446	6.416	6.507	6.466	6.385	6.322	6.568	6.475	6.530	6.459	6.346	6.532	6.482	6.470	6.374	6.334	6.583	6.417	6.488	6.473
1431718	at	Kif15	AK014461	Mm.278920	9	7.402	6.928	7.583	7.435	7.410	7.375	7.486	7.536	7.391	7.242	7.503	7.113	7.360	7.488	7.452	7.513	7.520	7.452	7.714	7.745	7.554	7.424	7.429	7.480
1431719	a	Sraap1	AK016279	Mm.288698	10	5.553	5.466	5.262	5.314	5.248	5.491	5.488	5.440	5.403	5.520	5.379	5.341	5.490	5.577	5.403	5.408	5.683	5.378	5.372	5.759	5.702	5.369	5.623	5.479
1431720	at	2810404F17Rik	AK012982	Mm.58692	16	5.159	5.012	5.379	5.071	4.992	5.333	5.263	4.986	4.813	4.958	5.069	4.705	5.116	5.083	5.306	5.327	4.865	5.101	5.190	5.398	5.039	5.167	5.063	5.187
1431721	a	Proz	BC021044	Mm.441140	8	5.707	5.450	5.531	5.707	5.298	5.515	5.399	5.798	5.628	5.495	5.423	5.462	5.443	5.323	5.417	5.715	5.794	5.433	5.459	5.742	5.888	5.741	5.869	5.579
1431722	a	Almid	AK018563	Mm.273958	11	5.292	5.381	5.557	5.384	5.483	5.475	5.338	5.610	5.760	5.466	5.401	5.489	5.499	5.451	5.541	5.494	5.825	5.407	5.654	5.527	5.410	5.472	5.366	5.540
1431723	at	1600022D1ORik	AK005516	Mm.158974	17	5.648	5.137	5.408	5.333	5.162	5.420	5.416	5.209	5.278	5.114	5.356	5.285	5.455	5.262	5.244	5.433	5.266	5.406	5.436	5.550	5.345	5.294	5.161	5.316
1431724	a	P2rv12	AK013804	Mm.422675	3	5.977	6.898	6.256	6.404	6.080	6.194	6.350	6.009	6.409	6.312	6.209	6.080	6.133	6.500	6.174	6.011	6.016	5.500	5.883	6.235	5.982	5.851	5.553	5.671
1431725	at	Fmn2	AK013585	Mm.330620	1	5.283	4.933	5.103	5.137	5.037	5.070	5.327	5.134	5.094	5.002	5.105	4.985	5.038	5.050	5.192	5.305	5.090	5.106	5.155	5.528	5.073	4.934	5.195	5.176
1431726	a	Tmem80	AK017460	Mm.248960	7	8.577	8.368	8.549	8.568	8.559	8.717	8.667	8.381	8.422	8.481	8.426	8.443	8.438	8.331	8.559	8.500	8.687	8.726	8.658	8.769	8.476	8.616	8.558	8.490
1431727	at	Smac	AK017450	Mm.46386	15	6.726	6.267	6.514	6.595	6.461	6.536	6.707	6.533	6.368	6.445	6.625	6.398	6.431	6.534	6.567	6.590	6.572	6.607	6.537	6.439	6.811	6.603	6.662	6.628
1431728	at	Chmp4c	AK008217	Mm.366147	9	5.937	7.716	7.804	7.890	7.803	7.476	7.791	7.822	7.671	7.561	7.653	7.798	7.693	7.694	7.824	7.710	7.753	7.558	7.680	7.868	7.870	7.990	7.879	7.681
1431729	at	Spaa16	AK016745	Mm.159123	3	7.857	7.716	7.654	7.805	7.735	7.567	7.593	7.755	7.846	7.772	7.275	7.533	7.436	7.508	7.558	7.531	7.468	7.508	7.531	7.186	7.290	7.438	7.290	7.438
1431730	a	4921506M07Rik	AK014828	Mm.449998	12	5.239	4.871	5.240	5.215	5.083	5.257	5.177	5.022	4.898	5.026	5.139	5.204	5.193	5.399	5.182	5.163	5.273	5.138	5.193	5.273	5.138	5.273	5.138	5.273
1431731	at	Blnp2	AK014659	Mm.159777	9	4.565	4.806	4.755	4.775	4.749	4.676	4.674	4.723	4.797	5.011	4.746	4.820	4.916	4.976	4.734	4.840	4.700	4.638	4.885	4.829	4.508	4.677	4.752	4.723
1431732	at	Spaa16	AK015884	Mm.440554	1	5.957	5.601	5.598	5.690	5.621	5.656	5.809	5.806	5.765	5.585	5.528	5.573	5.636	5.741	5.615	5.677	5.859	5.706	5.722	5.739	5.565	5.749	5.746	5.835
1431733	at	Alpk1	AK018401	Mm.158704	3	6.383	6.303	6.100	6.316	6.246	6.240	6.284	6.522	6.255	6.189	6.264	6.330	6.403	6.332	6.352	6.288	6.109	6.093	6.164	5.933	6.322	6.343	6.245	6.160
1431734	a	Dnaib4	AK006478	Mm.46746	3	9.843	10.095	9.501	9.125	9.904	9.262	9.418	10.118	10.002	10.050	11.168	10.078	9.774	9.733	10.142	9.519	9.137	8.986	9.095	8.912	10.022	9.786	9.901	10.083
1431735	at	4930469G21Rik	AK015528	Mm.449990	1	5.138	4.650	5.240	5.035	5.061	5.093	5.138	5.029	5.096	5.033	5.261	4.909	5.079	5.252	5.004	5.202	4.951	5.026	5.144	5.339	5.113	5.071	5.230	4.948
1431736	at	4933405D12Rik	AK016661	Mm.159123	3	7.074	6.882	7.258	7.086	6.918	6.979	7.051	6.983	6.886	6.746	6.979	6.900	7.002	6.822	7.180	7.142	6.961	6.797	7.081	7.154	6.951	6.856	7.196	6.951
1431737	at	4930469G21Rik	AK015528	Mm.449990	12	5.462	6.494	6.662	5.589	5.493	6.485	5.318	6.627	6.158	5.772	6.702	6.346	6.442	6.585	6.458	6.687	6.590	6.637	6.608	6.617	6.420	6.559	6.432	6.590
1431738	at	4921531P14Rik	AK014992	Mm.460553	18	5.921	5.932	5.996	5.843	6.157	5.872	6.089	6.233	6.129	5.870	6.086	6.101	6.327	6.058	6.057	6.119	6.043	6.021	6.102	6.318	6.343	6.161	6.040	5.937
1431739	at	Mtlo1	AK017773	Mm.291779	9	5.008	5.242	5.227	5.127	4.952	5.169	5.234	5.314	5.117	5.086	5.078	4.966	5.005	5.132	5.041	5.430	5.498	5.082	5.269	5.258	5.169	5.095	5.471	5.053
1431740	at	Slc7a13	AK002431	Mm.137833	4	6.315	5.917	6.127	6.150	5.972	6.211	6.201	6.262	6.126	6.288	6.298	5.927	6.121	6.104	6.235	6.172	6.167	6.194	6.175	6.388	6.131	6.019	6.278	6.240
1431741	a	4930408O21Rik	AK015115	Mm.394441	7	6.445	6.471	6.536	6.434	6.332	6.430	6.488	6.311	6.327	6.222	6.441	6.397	6.432	6.409	6.566	6.402	6.412	6.332	6.462	6.478	6.585	6.510	6.546	6.615
1431742	at	1810053B23Rik	AK007854	Mm.458688	16	5.957	5.703	5.967	5.871	6.012	6.141	5.874	5.940	5.992	5.561	5.936	5.762	5.870	5.844	5.881	5.759	5.974	5.993	5.876	5.886	5.832	5.890	5.751	5.569
1431743	a	Slc4a1	AK010967	Mm.7248	11	6.444	5.913	6.172	6.250	5.998	6.028	6.045	6.255	5.960	5.998	6.													

1431792	a	at	Stk11ip	AK004757	Mm.312650	1	7.871	8.133	7.814	7.614	8.197	7.922	7.777	7.864	8.020	8.095	7.442	8.254	8.050	7.930	7.945	7.850	8.093	7.977	7.929	7.934	7.556	7.782	7.486	7.680
1431793	at		3732407C23Rik	AK014404	NA	12	5.618	5.698	5.655	5.707	5.609	5.510	5.578	5.656	5.804	5.764	5.400	6.040	5.583	5.652	5.708	5.573	5.511	5.469	5.708	5.522	5.694	5.391	5.885	5.468
1431794	at		4932434E15Rik	AK016545	NA	2	6.255	6.249	6.143	6.086	6.031	5.886	6.130	6.190	6.172	5.990	6.125	6.213	5.964	5.934	5.990	6.387	6.090	6.211	5.916	6.112	6.126	6.031	6.001	6.081
1431795	a	at	Sema3b	AK014333	Mm.4083	9	6.785	6.738	6.741	6.681	7.441	6.730	6.842	7.708	6.679	6.656	6.939	7.453	7.102	7.108	7.320	6.567	6.700	7.328	7.160	6.951	7.231	7.382	6.830	6.823
1431796	at		2930430J11Rik	AK019769	Mm.417772	2	5.862	5.693	5.830	5.798	5.793	5.749	5.835	5.814	5.555	5.726	5.768	5.502	5.813	5.641	5.682	6.037	5.839	5.652	6.034	5.816	5.816	5.909	5.779	5.860
1431797	at		4921518K17Rik	AK019595	Mm.160125	12	7.342	6.932	7.236	7.331	7.416	7.144	7.058	7.114	7.068	7.164	7.221	7.148	7.205	7.221	7.177	7.354	7.165	7.061	7.297	7.300	7.562	6.986	7.217	7.162
1431798	a	at	Syvd1	AK004654	Mm.86439	10	8.390	8.811	8.492	8.497	8.641	8.515	8.404	8.722	9.156	8.852	8.851	8.945	8.923	8.725	8.775	8.403	8.635	8.643	8.541	8.706	8.642	8.617	8.497	8.388
1431799	at		Mllm4	AK016557	Mm.59167	17	7.153	6.999	7.176	7.068	7.021	7.216	7.274	7.232	7.071	6.948	7.249	6.977	7.134	7.132	7.077	7.062	7.326	7.173	7.278	7.215	7.221	7.089	7.146	7.260
1431800	at		M00010F03Rik	AK004956	Mm.159651	14	5.561	4.987	5.106	5.044	5.213	5.641	5.285	5.254	5.264	5.129	5.208	5.231	5.377	5.069	5.703	5.208	5.246	5.458	5.509	5.311	5.316	5.417	5.174	5.444
1431801	at		Dscam	AK016518	Mm.328737	16	4.933	4.641	4.734	4.701	4.734	4.635	4.596	4.773	4.815	4.528	4.711	4.547	4.635	4.561	4.659	4.922	4.677	4.650	4.758	4.831	4.613	4.276	4.536	4.640
1431802	a	at	D5Wsu178e	AK014530	Mm.168854	5	8.044	8.780	8.348	7.983	8.091	8.339	8.321	8.066	8.402	8.595	8.477	8.169	8.342	8.860	8.508	8.400	7.595	7.916	8.208	8.247	7.768	7.550	8.311	8.389
1431803	at		Cyp2d13	AK004933	Mm.443212	15	7.840	7.668	7.900	7.781	7.715	7.474	7.627	7.730	7.765	7.519	7.748	7.640	7.650	7.721	7.697	7.814	7.708	7.709	7.873	7.617	7.911	7.670	7.899	7.818
1431804	a	at	Sp3	AK004607	Mm.124328	2	8.236	8.610	8.279	8.013	7.921	8.394	8.270	8.013	8.205	8.566	8.459	8.087	8.290	8.524	8.375	8.226	7.498	7.904	8.220	8.002	7.966	7.934	8.142	8.341
1431805	a	at	Rhn2	AK004849	Mm.286600	7	6.685	7.094	6.900	6.932	7.162	6.802	6.816	6.622	7.402	7.458	6.747	7.373	6.740	6.987	6.809	7.169	6.858	6.627	6.648	6.655	6.761	7.041	6.861	6.884
1431806	at		4931408D12Rik	AK016444	Mm.251476	19	6.990	6.873	7.053	6.931	6.982	6.986	7.023	6.822	6.928	6.752	6.972	6.855	7.012	6.914	6.973	6.992	7.081	6.896	6.959	7.166	6.946	6.992	7.067	7.047
1431807	at		Fbxw8	Mm.221769		5	6.379	6.127	6.335	6.398	6.657	6.338	6.376	6.305	6.138	6.126	6.293	6.212	6.290	6.096	6.242	6.380	6.512	6.425	6.203	6.288	6.455	6.314	6.297	6.256
1431808	a	at	Itih4	AK004893	Mm.34819	14	6.631	6.647	6.912	6.886	7.152	6.538	6.626	6.831	7.430	7.669	6.934	7.056	7.172	7.272	6.761	6.829	6.732	6.719	6.909	6.323	6.792	6.421	6.745	6.531
1431809	at		4932442L08Rik	AK016569	Mm.159201	X	5.928	5.394	5.731	5.583	5.612	5.695	5.455	5.458	5.670	5.531	5.787	5.296	5.534	5.628	5.560	5.777	5.668	5.849	5.809	5.606	5.538	5.295	5.644	5.594
1431810	a	at	Tmco4	AK014571	Mm.122336	4	7.806	7.716	7.672	7.650	7.758	7.531	7.563	7.680	7.772	7.744	7.615	7.745	7.593	7.593	7.544	7.758	7.743	7.795	7.474	7.419	7.729	7.659	7.468	7.531
1431811	a	at	Fbxo34	AK020018	Mm.11935	14	9.635	9.553	9.566	9.650	9.487	9.437	9.531	9.560	9.371	9.449	9.590	9.554	9.485	9.426	9.515	9.638	9.684	9.672	9.563	9.645	9.606	9.574	9.504	9.569
1431812	a	at	Slc6a9	AK014572	Mm.244549	4	8.806	8.371	8.545	8.616	8.591	8.558	8.583	8.481	8.523	8.521	8.822	8.528	8.522	8.450	8.467	8.519	8.555	8.456	8.630	8.406	8.692	8.527	8.530	8.576
1431813	at		Myo1b8	AK016515	Mm.441903	5	7.383	7.307	7.456	7.539	7.341	7.219	7.581	7.446	7.452	7.239	7.371	7.289	7.419	7.441	7.280	7.527	7.448	7.384	7.395	7.500	7.402	7.263	7.381	7.299
1431814	at		493243L11Rik	AK019856	Mm.437536	8	7.042	6.531	6.965	6.784	6.657	6.765	6.768	6.869	6.735	6.511	6.733	6.580	6.683	6.635	6.672	7.053	6.753	6.969	6.928	6.881	6.991	6.830	6.969	7.012
1431815	a	at	Mms19	AK010326	Mm.218940	19	7.960	7.946	7.866	8.009	7.932	7.859	7.760	7.793	7.955	7.958	7.895	8.031	8.138	7.929	7.717	7.966	7.930	7.804	7.961	7.986	7.800	7.666	7.810	7.709
1431816	at		Tex9	AK018568	Mm.14485	9	6.024	5.854	6.126	5.920	6.085	5.926	6.175	5.992	5.919	5.862	5.895	5.927	5.975	5.961	6.033	5.909	6.058	6.026	5.971	6.055	5.958	6.203	5.965	6.146
1431817	at		Adh6-ps1	AK004863	Mm.158750	3	4.796	4.639	4.726	4.775	4.639	4.746	4.874	4.720	4.601	4.840	4.899	4.660	4.758	4.725	4.674	4.885	4.694	4.936	4.707	4.756	4.407	4.666	4.816	4.737
1431818	at		1700012B15Rik	AK003977	NA	12	8.868	8.773	8.739	8.688	8.881	8.739	8.640	8.732	8.570	8.782	8.852	8.403	8.600	8.600	8.615	8.777	8.708	8.855	8.428	8.498	8.255	8.282	8.436	8.191
1431819	a	at	Entl1n1	AK016580	NA	5	6.941	6.445	6.733	7.078	6.944	6.973	7.178	6.964	6.564	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968	6.968
1431820	at		4632404H12Rik	AK014549	Mm.386816	3	6.466	6.729	6.683	6.729	6.659	6.907	7.000	6.848	6.459	6.618	6.651	6.777	6.650	6.771	6.514	6.795	7.167	7.242	7.319	7.174	6.913	6.914	6.064	6.880
1431821	a	at	Eps8l1	AK014556	Mm.360392	7	6.794	6.384	6.718	6.540	6.631	6.758	7.100	6.719	6.579	6.547	7.704	7.091	6.528	6.658	6.588	6.708	6.739	6.860	6.757	6.821	6.473	6.627	7.056	7.012
1431822	a	at	Azi2	AK004992	Mm.92705	9	11.353	11.127	11.514	11.140	10.979	11.429	11.455	10.816	10.603	11.135	11.087	10.848	10.872	11.130	11.216	11.464	10.878	11.090	11.358	11.540	10.950	10.940	11.344	11.500
1431823	at		Itpk1	AK018648	Mm.475912	12	7.075	6.654	6.953	7.073	6.833	6.598	6.803	7.205	7.029	6.769	6.620	6.766	6.872	6.916	6.679	6.893	7.021	6.820	6.827	6.880	6.931	6.835	6.964	6.866
1431824	at		Cdh13	AK016527	Mm.334841	8	5.371	5.368	5.437	5.412	5.204	5.442	5.464	5.359	5.149	5.180	5.210	5.178	5.121	5.381	5.308	5.336	5.519	5.301	5.198	5.320	5.445	5.141	5.390	5.517
1431825	at		Srp3	AK004696	Mm.111904	X	8.461	7.931	8.474	8.349	8.256	8.241	8.294	8.190	7.575	8.029	8.082	8.024	8.048	8.998	8.250	8.459	8.380	8.362	8.354	8.499	8.538	8.141	8.277	8.503
1431826	at		Fbxo34	AK020018	Mm.11935	7	6.259	5.953	5.966	5.920	5.295	5.193	5.179	5.186	5.192	5.187	5.232	5.192	5.185	5.258	5.157	5.015	5.238	4.894	5.082	5.293	5.302	5.302	5.302	5.302
1431827	a	at	Tlk2	AK014829	Mm.126976	11	8.223	8.233	8.317	8.352	7.933	8.489	8.319	7.705	7.817	8.263	8.492	8.797	8.052	8.174	8.481	8.397	7.857	7.976	8.450	8.472	7.943	7.927	8.428	8.702
1431828	a	at	Svni2	AK019694	Mm.236068	17	5.366	5.265	5.516	5.729	5.403	5.517	5.469	5.087	5.309	5.203	5.301	5.356	5.413	5.399	5.295	5.545	5.356	5.358	5.556	5.624	5.477	5.230	5.546	5.855
1431829	a	at	Rpl3	AK004876	Mm.110594	9	7.845	7.990	7.838	7.824	7.822	7.684	7.740	7.503	7.749	8.065	7.703	8.015	7.826	7.789	7.762	7.720	7.887	8.147	7.868	7.931	7.810	7.647	7.825	7.780
1431830	at		Zfp329	AK014562	Mm.333574	7	7.838	7.814	7.889	7.851	7.903	7.672	7.977	7.916	7.964	8.465	7.510	8.145	8.232	7.805	7.830	7.890	7.719	7.679	7.488	7.613	7.972	8.228	7.856	7.447
1431831	at		2210003D21Rik	AK010392	Mm.330612	2	7.908	7.843	7.644	7.798	7.984	7.607	7.725	7.959	7.914	7.778	7.780	7.896	7.967	8.131	7.627	7.879	7.817	7.551	7.740	7.589	7.803	7.794	7.862	7.708

1431881	at	2410024F20Rik	AK010580	Mm.396435	6	3.970	3.912	4.307	4.266	4.403	4.078	4.269	4.241	4.177	4.999	4.165	4.053	4.309	4.267	4.176	4.157	4.281	4.374	4.209	4.151	3.936	4.274	4.167	
1431882	at	Als2crl2	AK016678	Mm.442063	1	7.991	7.431	7.783	7.843	7.659	7.731	7.740	7.719	7.511	7.487	7.988	7.563	7.710	7.849	7.724	7.555	7.649	7.577	7.914	7.952	7.643	7.786	7.871	7.858
1431883	at	Tac1	AK015286	Mm.17440	6	7.217	6.783	7.262	7.145	6.898	7.189	7.210	7.245	7.002	6.731	7.049	6.732	7.019	7.258	7.005	7.197	6.965	7.018	7.121	7.084	7.164	7.040	7.141	
1431884	at	1110019B22Rik	AK003805	NA	10	6.980	6.514	6.971	6.609	6.705	6.855	6.948	6.686	6.852	6.508	6.781	6.556	6.599	6.634	6.529	7.023	7.016	6.960	6.883	7.089	6.860	6.646	6.982	7.085
1431885	a	Mus81	AK004647	Mm.12697	19	7.862	8.340	7.653	7.681	7.685	7.465	7.792	7.488	7.520	7.580	7.389	7.763	7.528	7.621	7.681	7.688	7.685	7.891	7.891	7.891	7.891	7.701	7.753	7.848
1431886	at	Erm	AK018505	Mm.3400943	11	5.216	5.194	5.265	5.108	5.300	5.285	5.335	5.334	5.203	5.276	5.292	5.346	5.305	5.281	5.273	5.305	5.241	5.292	5.210	5.306	5.250	5.344	5.306	
1431887	at	Rbm31v	AK017055	Mm.395938	Y	4.704	4.634	4.781	4.713	4.771	4.851	4.877	4.744	4.872	4.795	4.830	4.660	4.811	4.752	4.940	4.864	4.816	4.870	4.854	4.832	4.767	4.647	4.827	4.818
1431888	s	Psq21	AK005492	Mm.326858	7	5.090	4.436	5.241	4.743	4.892	4.844	4.901	4.859	4.802	4.718	4.893	4.539	4.710	4.808	4.868	5.169	4.919	5.070	4.902	5.133	5.068	4.834	5.201	5.213
1431889	x	Psq21	AK005492	Mm.326858	7	8.504	7.998	8.520	8.503	8.050	8.299	8.348	8.272	8.001	8.067	8.454	7.842	8.014	8.112	8.371	8.509	8.128	8.334	8.342	8.613	8.366	8.218	8.419	8.656
1431890	a	Mllt3	AK019458	Mm.288898	4	6.877	7.018	6.667	6.813	7.188	6.876	6.730	6.739	7.167	6.989	6.512	6.982	7.301	6.785	6.911	6.740	7.060	7.082	6.883	6.834	7.126	6.911	6.534	6.624
1431891	at	Zswim5	AK016928	Mm.218946	4	7.920	7.568	7.826	7.628	7.730	7.929	7.865	7.766	7.920	7.654	7.828	7.838	7.749	7.817	7.830	7.856	7.854	7.600	7.888	7.942	7.819	7.752	7.571	7.976
1431892	a	Picb3	AK011892	Mm.264743	11	7.769	8.256	7.444	7.935	7.930	7.814	7.509	7.873	8.324	8.418	7.787	8.401	8.274	7.920	7.947	7.806	8.742	8.266	8.181	8.130	8.379	8.573	7.954	7.925
1431893	a	Pds1	AK011869	Mm.249752	2	9.190	9.543	9.216	9.113	8.773	9.489	9.525	9.393	8.597	8.870	9.292	8.619	8.409	9.100	8.823	9.251	9.074	9.448	9.402	9.472	9.126	9.159	9.426	
1431894	at	4833424012Rik	AK014762	Mm.29457	19	6.886	6.905	6.966	6.875	7.048	6.857	6.509	6.794	7.169	7.041	7.169	6.913	7.132	7.121	6.997	7.012	6.954	6.815	6.982	7.104	7.050	6.691	6.763	6.948
1431895	at	4933434M16Rik	AK017060	Mm.158615	11	7.154	6.902	7.056	7.163	7.095	7.035	7.131	7.072	7.030	6.970	6.978	6.979	7.064	7.107	7.118	7.050	7.080	6.942	7.181	7.237	7.149	7.103	7.278	7.269
1431896	at	Six6os1	AK014811	Mm.242892	12	4.124	4.115	4.107	3.914	4.191	4.127	4.093	4.150	4.333	4.373	4.105	4.231	4.093	3.976	4.089	4.194	4.237	4.136	4.156	4.119	4.054	3.988	4.151	4.188
1431897	at	Chst9	AK017407	Mm.2939304	18	4.430	4.070	4.415	4.148	4.145	4.474	4.269	4.205	4.208	4.179	4.373	3.988	4.065	4.190	4.209	4.548	4.262	4.464	4.233	4.471	4.095	4.199	4.125	4.128
1431898	at	Adad2	AK015063	Mm.159566	8	7.743	7.472	7.530	7.536	7.502	7.404	7.646	7.435	7.442	7.282	7.507	7.485	7.387	7.466	7.464	7.453	7.660	7.454	7.439	7.548	7.747	7.551	7.499	7.429
1431899	at	Nkvx-3	AK018683	Mm.290028	8	5.255	4.568	5.172	4.869	4.775	4.974	4.952	5.195	4.807	4.734	5.027	4.878	5.007	4.824	4.851	5.189	5.168	5.009	4.856	5.164	5.420	5.281	5.079	4.930
1431900	a	Foxa3	AK019022	Mm.472695	7	5.512	5.137	5.207	5.307	5.316	4.969	4.986	5.076	5.401	5.255	5.496	4.894	5.298	5.262	5.159	4.966	4.981	5.139	5.145	5.282	5.024	5.239	5.234	5.050
1431901	a	Pfkfb2	AK016729	Mm.249861	1	6.257	5.714	6.745	6.641	6.065	6.250	6.405	6.070	5.880	6.150	6.011	6.148	5.922	6.039	6.135	6.530	6.381	6.594	6.244	6.398	6.386	6.424	6.651	6.115
1431902	at	Tlc23l	AK015027	Mm.48812	15	5.028	4.710	4.956	4.939	4.863	4.867	4.932	4.987	4.939	4.677	4.968	4.487	4.923	4.837	4.957	4.960	4.902	4.995	5.128	5.122	4.929	5.002	4.977	5.025
1431903	at	4930524C18Rik	AK015882	Mm.410813	14	5.818	5.160	5.406	5.441	5.424	5.515	4.990	5.326	5.410	5.174	5.427	5.297	5.443	5.332	5.390	5.630	5.482	5.460	5.397	5.496	5.329	5.693	5.425	5.567
1431904	at	4933427G17Rik	AK016951	Mm.189707	7	4.968	4.950	5.030	5.039	4.921	5.176	5.065	4.926	4.960	5.108	5.243	5.002	5.024	5.088	5.086	5.227	5.001	5.175	5.050	5.234	5.092	4.962	5.127	5.193
1431905	s	4933427G17Rik	AK016951	Mm.189707	7	6.712	6.447	6.565	6.672	6.636	6.637	6.663	6.536	6.688	6.488	6.751	6.579	6.707	6.723	6.610	6.690	6.559	6.581	6.687	6.666	6.538	6.619	6.681	6.667
1431906	at	2700068H02Rik	AK012503	Mm.396500	4	4.962	4.698	5.040	4.835	4.644	4.783	4.932	4.654	4.877	4.575	4.434	4.535	4.711	4.746	4.817	4.755	4.666	4.655	4.776	4.973	4.866	4.705	4.763	4.738
1431907	at	4933404M00Rik	AK017112	Mm.429104	5	5.650	5.385	5.572	5.507	5.505	5.483	5.392	5.580	5.570	5.580	5.522	5.534	5.394	5.524	5.509	5.656	5.455	5.406	5.573	5.622	5.422	5.608	5.438	7.728
1431908	x	4933408J17Rik	AK017739	Mm.410794	10	9.051	8.947	9.616	9.616	8.572	8.250	8.408	8.772	8.722	8.408	8.772	8.722	8.408	8.772	8.722	8.408	8.772	8.722	8.408	8.772	8.722	8.408	8.772	8.722
1431909	at	Zc3hav1	AK013726	Mm.25243	6	7.134	6.949	6.958	7.036	6.770	6.966	7.050	6.903	6.696	6.893	7.074	6.969	6.794	6.885	6.766	6.804	7.042	6.934	6.556	6.910	6.856	7.140	7.115	6.850
1431910	at	5730460C07Rik	AK017676	NA	3	6.874	6.641	7.007	6.881	6.835	6.784	6.956	6.717	6.466	6.564	6.898	6.725	6.825	6.780	6.848	6.999	6.822	6.678	6.944	6.895	6.672	6.601	6.887	6.906
1431911	at	4931423N10Rik	AK016475	Mm.314026	2	5.362	5.125	5.439	5.344	5.198	5.507	5.522	5.307	5.194	5.292	5.221	5.209	5.245	5.248	5.420	5.540	5.306	5.367	5.423	5.347	5.256	5.329	5.142	5.501
1431912	at	2700089124Rik	AK012591	Mm.410849	19	7.562	7.182	7.469	7.287	7.289	7.413	7.367	7.345	7.486	7.133	7.493	7.074	7.298	7.382	7.457	7.626	7.421	7.437	7.538	7.669	7.426	7.269	7.485	7.606
1431913	a	Pde3a	AK004638	Mm.103728	6	7.433	6.785	7.047	7.201	7.107	7.075	7.193	7.148	6.907	6.999	7.017	7.031	7.113	6.918	7.104	7.348	7.073	7.003	7.233	7.294	7.223	7.115	7.125	7.671
1431914	at	Pde3a	AK004638	Mm.103728	6	7.159	6.571	6.729	6.809	6.764	6.646	6.862	6.707	6.642	6.740	6.926	6.641	6.842	6.885	6.781	6.960	6.902	6.740	6.834	7.057	6.685	6.806	7.008	6.871
1431915	at	4933424E04Rik	AK015392	Mm.429104	19	5.392	5.292	5.497	5.392	5.356	5.590	5.709	5.493	5.810	5.291	5.728	5.774	5.298	5.252	5.210	5.374	5.642	5.356	5.527	5.496	5.329	5.622	5.293	5.328
1431916	at	Hid3b3	AK018558	Mm.158717	3	6.534	6.304	6.843	6.558	6.536	6.521	6.601	6.689	6.250	6.366	6.456	6.418	6.508	6.392	6.689	6.746	6.627	6.627	6.543	6.753	6.716	6.536	6.759	6.713
1431917	at	Psq2	AK016852	Mm.362054	17	7.682	7.460	7.669	7.581	7.390	7.493	7.731	7.431	7.332	7.325	7.446	7.235	7.248	7.453	7.443	7.417	7.428	7.461	7.514	7.698	7.567	7.604	7.678	7.430
1431918	at	1700036421Rik	AK006609	Mm.158983	9	8.292	7.859	8.193	8.228	8.293	8.216	8.248	8.208	8.192	7.938	8.272	8.240	8.094	8.112	8.154	8.217	8.180	8.193	8.176	8.288	8.232	8.201	8.338	8.345
1431919	at	Rttm	AK015013	Mm.772	18	7.130	6.985	7.065	6.834	6.660	6.926	7.128	6.779	6.528	6.920	6.677	6.933	6.894	6.840	6.939	7.058	6.986	6.903	6.895	7.011	6.755	6.670	7.035	7.134
1431920	a	l34	AK008082	Mm.77697	8	5.926	6.024	5.838	5.991	6.181	5.912	5.714	6.146	6.356	6.106	6.159	6.187	6.329	6.232	6.277	5.968	6.026	5.821	5.972	5.893	6.038	5.985	5.863	5.760
1431921	a	Stat1	AK017978	Mm.42135	9	8.765	9.075	8.916	8.802	8.910	8.967	9.015	8.717	8.806	9.038	9.065	8.769	8.995</											

1431970	at	Tm7sf4	AK014697	Mm.159563	15	7.462	7.282	7.370	7.371	7.322	7.425	7.441	7.524	7.427	7.209	7.528	7.131	7.429	7.561	7.402	7.411	7.396	7.408	7.321	7.274	7.309	7.381	7.454	7.740	
1431971	at	OTTMUSG000000	AK018689	Mm.98950	2	4.805	4.429	4.596	4.439	4.594	4.582	4.565	4.664	4.558	4.635	4.576	4.589	4.800	4.515	4.635	4.696	4.555	4.578	4.449	4.561	4.518	4.617	4.766	4.589	
1431972	a at	Gcap14	AK005931	Mm.27621	14	8.648	8.575	8.537	8.485	8.693	8.552	8.546	8.838	8.769	8.831	8.784	8.715	8.765	8.763	8.687	8.586	8.657	8.607	8.467	8.677	8.689	8.663	8.500	8.714	
1431973	a	6-Sep	AK012858	Mm.260036	X	6.698	6.710	6.642	6.871	6.788	6.672	6.830	6.728	6.818	6.725	6.654	6.629	6.750	6.750	6.738	6.782	6.633	6.729	6.690	6.765	6.654	6.803	6.845	6.767	
1431974	at	4930443G12Rik	AK015371	Mm.307048	3	5.960	5.990	5.987	6.084	5.987	5.536	6.019	5.972	6.014	5.827	5.953	6.020	5.934	5.825	5.970	6.054	6.161	5.927	5.963	5.954	6.078	6.160	6.268	5.923	
1431975	at	4930521011Rik	AK015864	Mm.125859	3	5.221	5.098	5.204	4.985	5.087	5.152	5.242	5.123	5.206	5.253	5.270	5.026	5.068	5.075	5.433	5.122	5.122	5.340	4.878	5.282	5.115	5.097	5.177	5.140	
1431976	at	4930526F13Rik	AK015900	NA	13	6.327	5.899	6.357	6.065	6.155	6.158	6.050	6.198	6.101	6.009	6.471	5.945	6.098	6.124	6.250	6.155	6.044	6.066	6.150	6.531	6.220	6.006	6.132	6.185	
1431977	at	4933402151Rik	AK016621	Mm.399498	14	6.645	6.369	6.470	6.656	6.573	6.459	6.488	6.480	6.394	6.305	6.502	6.321	6.395	6.444	6.632	6.639	6.424	6.337	6.400	6.745	6.397	6.379	6.441	6.604	
1431978	at	8430437L04Rik	AK018472	Mm.410774	2	5.396	4.980	5.586	5.341	5.213	5.158	5.419	5.239	5.197	5.097	5.558	5.160	5.331	5.270	5.346	5.333	5.340	5.458	5.316	5.586	5.276	5.292	5.405	5.335	
1431979	at	4930444M15Rik	AK015383	Mm.159571	14	4.918	4.662	4.873	4.864	4.921	4.775	4.892	4.790	4.790	4.672	4.703	4.834	4.794	4.709	4.769	4.828	4.634	4.847	4.774	4.744	4.833	5.005	4.707	4.886	4.476
1431980	a at	As3mt	AK009814	Mm.285566	19	10.191	9.831	10.526	10.235	9.935	10.465	10.340	9.994	9.768	9.232	9.284	9.490	9.161	9.389	9.864	10.450	10.273	10.103	10.182	10.296	10.293	10.312	10.155	10.245	10.409
1431981	at	Hif1a	AK017853	Mm.3879	12	7.248	6.907	7.327	7.189	7.163	7.301	7.370	7.107	7.288	7.161	7.185	7.174	7.142	6.989	7.209	7.252	7.447	7.194	7.259	7.445	7.142	7.415	7.268	7.218	
1431982	at	Arhgap19	AK017693	Mm.21646	19	6.836	6.536	6.633	6.741	6.628	6.603	6.741	6.774	6.647	6.471	6.736	6.658	6.238	6.469	6.672	6.765	6.708	6.645	6.646	6.440	6.907	6.777	6.724	6.782	
1431983	at	Myo3a	AK018511	Mm.330033	2	6.087	5.588	6.152	6.176	6.063	6.259	5.967	6.018	5.917	5.855	5.814	5.956	5.936	5.838	5.737	6.251	6.136	6.066	6.214	6.333	6.297	5.857	6.337	6.329	
1431984	at	1700007F19Rik	AK017083	Mm.416968	3	6.123	5.873	6.182	6.147	6.088	6.358	6.109	6.170	5.884	5.791	6.096	5.769	6.113	5.983	5.938	6.239	6.101	6.173	6.217	6.353	5.914	5.984	5.994	6.236	
1431985	at	22100110B09Rik	AK008693	Mm.86627	9	6.622	6.316	6.717	6.657	6.520	6.707	6.837	6.543	6.525	6.521	6.615	6.537	6.643	6.560	6.715	6.679	6.681	6.795	6.727	6.772	6.615	6.735	6.485	6.668	
1431986	at	4933421A08Rik	AK016855	NA	4	7.835	7.538	7.672	7.916	7.628	7.696	7.719	7.767	7.805	7.487	7.845	7.539	7.713	7.800	7.645	7.874	7.582	7.755	7.812	7.762	7.980	7.707	7.892	7.803	
1431987	at	4930510E17Rik	AK015742	Mm.159302	9	4.404	4.464	4.374	4.313	4.376	4.471	4.472	4.319	4.514	4.442	4.605	4.359	4.512	4.238	4.401	4.408	4.313	4.379	4.492	4.536	4.525	4.235	4.405	4.551	
1431988	at	1700112E06Rik	AK012226	Mm.361010	14	5.879	5.883	5.937	5.814	5.847	5.896	5.981	5.811	5.759	5.745	6.128	5.617	5.650	5.797	5.624	5.681	5.787	5.868	5.852	6.096	5.890	5.801	5.911	6.148	
1431989	at	Apoah	AK015300	Mm.314046	13	5.831	5.840	5.706	5.845	5.795	5.678	5.740	5.859	5.924	5.763	5.844	5.743	5.783	5.747	5.685	5.922	5.744	5.663	5.837	5.493	5.722	5.435	5.729	5.971	
1431990	at	4930429D17Rik	AK015233	Mm.389662	5	6.812	6.522	6.769	6.772	6.863	6.560	6.975	6.980	6.760	6.753	6.945	6.671	6.750	6.803	6.626	6.807	6.834	6.690	6.816	6.801	6.869	6.912	6.646	6.723	6.740
1431991	at	2410004P03Rik	AK010406	Mm.159048	12	7.266	7.154	7.217	7.169	7.143	7.195	7.207	7.103	7.061	6.974	7.257	7.086	7.184	7.047	7.132	7.207	7.193	7.171	7.123	7.318	7.270	7.100	7.166	7.160	
1431992	at	4930568K20Rik	AK016253	Mm.410803	5	8.507	8.240	8.302	8.544	8.423	8.180	8.557	8.428	8.404	8.188	8.540	8.231	8.291	8.292	8.457	8.353	8.480	8.398	8.488	8.641	8.434	8.481	8.465	8.266	
1431993	a at	Rnf38	AK006888	Mm.262589	4	6.478	6.560	6.187	6.084	6.182	6.281	6.276	6.264	6.477	6.642	6.409	6.299	6.327	6.480	6.210	6.327	6.202	5.988	6.106	6.334	6.349	5.905	6.366	6.428	
1431994	at	4930432B10Rik	AK015283	Mm.399170	10	5.889	5.654	5.937	5.955	5.766	5.884	5.774	5.777	5.784	5.741	6.140	5.431	5.810	5.903	5.941	6.009	5.970	6.069	5.819	6.184	5.913	5.856	5.925	6.116	
1431995	at	Antxr1	AK013005	Mm.232525	6	7.576	7.251	7.374	7.535	7.537	7.229	7.427	7.454	7.256	7.393	7.504	7.641	7.483	7.411	7.377	7.357	7.448	7.344	7.395	7.340	7.351	7.448	7.355	7.286	
1431996	at	Naf39	AK015306	NA	4	4.935	4.836	4.829	4.835	4.839	4.826	4.863	4.856	4.790	4.856	4.842	4.868	4.821	4.749	4.758	4.847	4.758	4.847	4.758	4.847	4.758	4.847	4.758	4.847	
1431997	at	3000002C10Rik	AK013857	Mm.335474	9	11.643	11.651	11.732	11.782	11.903	11.707	11.725	11.776	11.807	11.947	11.729	11.991	11.866	11.578	11.722	11.560	11.670	11.713	11.654	11.611	11.878	11.748	11.806	11.691	
1431998	at	4930432L08Rik	AK015294	Mm.444687	5	5.481	5.124	5.356	5.407	5.500	5.255	5.404	5.447	5.242	5.225	5.516	5.190	5.402	5.358	5.450	5.292	5.281	5.215	5.401	5.538	5.499	5.274	5.504	5.528	
1431999	at	Polr3f	AK013084	Mm.389351	2	6.197	5.733	5.984	5.985	5.829	5.872	6.130	5.878	5.741	5.792	6.020	5.760	5.978	5.955	5.936	6.231	5.993	6.054	6.116	6.137	6.141	5.966	6.302	6.216	
1432000	a at	Dvndd	AK006814	Mm.270139	1	7.756	8.127	7.772	7.812	7.821	7.802	7.816	7.681	7.806	7.903	7.862	7.871	7.744	7.992	7.766	7.541	7.662	7.969	7.949	7.796	7.715	7.627	7.863	7.835	
1432001	at	Zmrvnd17	AK014794	Mm.295241	14	7.430	7.761	7.612	7.593	7.615	7.525	7.715	7.568	7.631	7.745	7.440	7.734	7.480	7.475	7.544	7.646	7.578	7.629	7.523	7.668	7.417	7.654	7.782	7.464	
1432002	at	2810471M01Rik	AK013397	Mm.410846	11	5.396	5.246	5.305	5.570	5.324	5.259	5.375	5.255	5.052	5.041	5.144	5.221	5.240	5.294	5.281	5.540	5.334	5.311	5.541	5.464	5.506	5.585	5.479	5.149	
1432003	a at	Rnf41	AK016825	Mm.294120	10	9.033	8.913	9.276	9.015	8.757	8.978	9.176	9.174	8.588	8.741	8.576	9.095	8.809	8.691	8.767	9.466	8.177	8.786	8.781	8.444	8.269	8.421	8.594	8.773	
1432004	at	Arhgap19	AK015300	Mm.314046	13	5.831	5.840	5.706	5.845	5.795	5.678	5.740	5.859	5.924	5.763	5.844	5.743	5.783	5.747	5.685	5.922	5.744	5.663	5.837	5.493	5.722	5.435	5.729	5.971	
1432005	at	Dn2a2	AK015410	Mm.433257	9	6.469	5.839	6.394	6.344	6.262	6.299	6.469	6.500	5.960	6.130	6.157	6.257	6.249	6.204	6.342	6.463	6.525	6.500	6.253	6.305	6.460	6.297	6.056	6.327	
1432006	at	Ap2a2	AK009735	Mm.253090	7	5.606	5.743	5.396	5.651	5.497	5.544	5.335	5.440	5.977	5.762	5.354	5.928	5.755	5.715	5.293	5.308	5.635	5.502	5.293	5.307	5.524	5.755	5.510	4.386	
1432007	s at	Ap2a2	AK009735	Mm.253090	7	7.797	8.273	7.884	8.062	8.156	8.021	7.959	7.903	8.735	8.533	7.891	8.363	8.754	6.889	8.004	7.987	7.805	7.917	7.868	7.629	8.096	8.369	7.710	7.866	
1432008	at	Tmem86b	AK012462	Mm.389784	7	6.148	6.100	6.169	6.224	6.589	6.074	6.073	6.344	5.936	5.863	6.238	6.008	5.949	6.045	6.069	6.129	6.102	6.155	6.175	6.077	6.141	6.234	6.835	6.324	
1432009	at	4933415D12Rik	AK016816	Mm.472043	6	6.088	5.833	5.978	6.062	6.062	5.996	6.084	5.963	6.062	6.036	5.839	6.209	6.056	6.021	5.979	5.957	6.024	6.030	6.046	6.183	5.977	6.138	6.022	6.094	5.983
1432010	at																													

1432059	x	at	5031425E22Rik	AK017143	Mm.425231	5	5.170	5.279	4.849	4.970	5.026	4.845	4.885	4.774	5.316	4.979	4.990	5.001	4.943	5.034	4.701	5.026	4.764	4.908	4.924	5.026	4.773	4.860	5.161	5.157	
1432060	at		lqca	AK016353	Mm.317517	1	8.276	7.844	7.887	8.297	8.005	8.034	8.024	7.994	8.034	7.882	8.010	8.017	7.888	8.089	7.963	8.030	8.038	7.858	8.009	7.974	7.991	8.000	8.175	8.025	
1432061	at		493406B17Rik	AK016680	Mm.158542	8	6.175	5.839	5.876	6.029	5.866	5.932	6.020	5.948	5.968	5.786	6.028	5.968	5.832	5.970	5.830	5.959	5.946	6.037	5.918	6.216	6.024	5.959	6.058	6.073	
1432062	at		Mdga1	AK004706	Mm.40901	17	7.020	7.095	6.840	7.331	7.525	7.563	7.362	7.235	7.126	7.212	7.272	7.322	7.421	7.034	7.396	6.706	7.905	7.642	7.662	7.563	7.944	7.748	7.525	7.304	
1432063	at		4930472F10Rik	AK014779	Mm.410840	17	7.762	7.610	7.749	7.800	7.660	7.724	7.784	7.917	7.762	7.613	7.766	7.657	7.668	7.767	7.769	7.857	7.943	7.790	7.824	7.956	7.854	7.987	7.733		
1432064	at		Ubox5	AK005195	Mm.27090	2	6.161	6.122	6.224	6.341	6.178	6.151	6.288	6.463	6.287	6.282	6.311	6.228	6.200	6.116	6.254	6.315	6.572	6.373	6.299	6.372	6.311	6.448	6.647	6.638	
1432065	at		3100003L13Rik	AK013927	NA	8	7.472	6.993	7.103	7.144	7.109	7.098	7.259	7.064	7.116	6.906	6.936	7.117	7.095	7.054	6.962	7.181	7.333	7.163	6.940	7.280	7.203	7.112	7.184	7.119	
1432066	at		Dnaia3	AK007852	Mm.248337	16	4.991	4.653	4.729	4.732	4.615	4.774	4.774	4.794	4.600	4.657	4.734	4.712	4.838	4.584	4.837	4.642	5.074	4.631	4.708	4.935	4.456				
1432067	at		4930473O22Rik	AK015568	Mm.159401	10	7.378	7.160	7.212	7.467	7.262	7.284	7.405	7.455	7.292	7.203	7.481	7.257	7.400	7.390	7.326	7.444	7.328	7.500	7.361	7.484	7.506	7.325	7.733	7.353	
1432068	a	at	Entd7	AK007446	Mm.248237	19	5.945	5.895	6.009	5.948	5.844	5.963	6.050	5.909	6.229	6.087	6.087	5.819	5.968	6.087	6.062	5.987	6.007	5.815	5.930	5.892	6.003	5.944	6.007	5.951	
1432069	at		1700023G09Rik	AK006277	Mm.396196	1	5.275	4.942	5.320	5.171	5.048	5.171	5.338	5.229	5.146	5.130	5.100	4.879	5.172	5.060	5.205	5.194	5.215	5.234	5.027	5.470	5.267	5.500	5.225	5.372	
1432070	at		4921511C10Rik	AK014864	Mm.446622	3	5.943	5.946	5.779	5.956	5.900	5.545	5.743	6.082	5.913	5.759	6.043	5.548	5.773	5.823	5.676	5.926	5.864	5.972	5.971	6.011	5.815	5.768	6.118	5.914	
1432071	at		633043711Rik	AK018205	Mm.360976	13	5.575	5.150	5.470	5.593	5.286	5.515	5.517	5.130	5.297	5.114	5.507	5.272	5.271	5.313	5.520	5.646	5.492	5.494	5.522	5.629	5.527	5.457	5.510	5.596	
1432072	at		Klf2a	AK016720	Mm.355686	13	6.853	6.832	6.984	7.201	6.979	7.081	6.953	7.000	6.927	6.833	7.037	6.729	6.962	6.946	6.906	7.052	6.952	6.884	7.071	6.956	6.811	6.782	6.947	6.911	
1432073	at		1700113122Rik	AK007198	Mm.472804	11	11.442	11.610	11.510	11.426	11.614	11.338	11.451	11.366	11.628	11.718	11.369	11.522	11.198	11.099	11.293	11.503	11.150	11.312	11.199	11.240	11.243	11.036	11.136	11.310	
1432074	at		4930517E11Rik	AK015680	Mm.410814	2	5.997	5.870	6.208	6.276	6.208	6.179	6.269	6.227	6.142	6.116	6.187	6.085	6.181	6.359	6.067	6.207	6.296	6.197	6.373	6.326	6.295	6.069	6.384	6.339	
1432075	a	at	Tekt1	AK005801	Mm.42257	11	5.185	5.172	5.115	5.125	4.940	5.022	5.148	5.235	5.090	5.020	4.942	5.014	5.077	5.072	4.983	5.106	5.236	5.214	4.988	5.102	5.160	5.250	5.070	5.193	
1432076	at		4934340H16Rik	AK016994	Mm.76818	7	6.977	6.876	6.797	6.924	6.820	6.619	6.841	6.740	6.776	6.482	6.784	6.716	6.813	6.746	6.804	6.651	6.952	6.767	6.942	6.993	6.825	6.622	6.677	6.994	
1432077	at		Pot1a	AK005318	Mm.274589	6	3.634	3.493	3.682	3.636	3.600	3.699	3.521	3.541	3.734	3.559	3.572	3.535	3.554	3.626	3.600	3.697	3.668	3.570	3.733	3.652	3.582	3.569	3.606	3.629	
1432078	at		4930453L07Rik	AK015455	Mm.159298	8	6.069	5.884	6.082	6.081	5.964	6.017	6.093	6.200	6.082	5.762	6.406	6.834	6.158	6.245	6.090	6.199	6.137	6.109	6.275	6.267	6.093	6.035	5.961	6.142	
1432079	at		4934346N17Rik	AK017089	NA	13	6.569	6.397	6.487	6.657	6.320	6.516	6.625	6.419	6.381	6.295	6.457	6.243	6.446	6.628	6.391	6.427	6.544	6.525	6.692	6.662	6.543	6.501	6.633	6.616	
1432080	s	at	Myb1	AK008418	Mm.425492	7	7.709	7.963	8.027	7.993	7.629	8.017	7.884	7.547	7.844	7.893	7.737	7.849	7.664	7.836	7.921	8.035	7.709	8.124	8.213	8.124	7.926	7.762	7.931	8.185	
1432081	at		Cysl1	AK016699	Mm.214016	17	7.552	7.034	7.431	7.225	7.289	7.372	7.274	7.247	7.105	7.049	7.141	7.247	7.299	7.290	7.328	7.300	7.266	7.316	7.351	7.557	7.307	7.274	7.385	7.365	
1432082	at		4934346I20Rik	AK016047	Mm.298855	1	3.731	3.824	3.672	3.851	3.763	3.662	3.910	3.748	3.719	3.724	3.747	3.771	3.817	3.804	3.676	3.804	3.899	3.628	3.743	3.664	3.620	3.672	3.769	3.681	
1432083	a	at	Lrrc23	AK015011	Mm.3207	6	7.781	7.552	7.729	7.809	7.713	7.680	7.813	7.860	7.513	7.557	7.651	7.614	7.844	7.534	7.462	7.954	7.723	7.672	7.656	7.865	7.635	7.679	7.714	7.694	
1432084	at		4921515G04Rik	AK014899	Mm.410836	15	7.245	7.016	7.246	7.362	7.287	7.280	7.213	7.316	7.129	7.087	7.186	7.278	7.240	7.185	7.277	7.183	7.218	7.211	7.235	7.436	7.128	7.251	7.366	7.383	
1432085	at		4921525O10Rik	AK016203	Mm.410825	3	4.920	4.732	4.766	4.780	4.629	4.736	4.797	4.406	4.267	4.706	4.267	4.706	4.768	4.763	4.769	4.744	4.793	4.733	4.749	4.743	4.763	4.743	4.763		
1432086	at		Rib2c	AK006806	Mm.15820	15	5.197	5.342	5.205	5.346	5.289	5.287	5.346	5.269	5.258	5.269	5.258	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	
1432087	at		4934340G16Rik	AK016692	Mm.292321	11	5.890	5.557	5.727	5.639	5.643	5.800	5.632	5.508	5.610	5.553	5.582	5.587	5.538	5.658	5.574	5.750	5.587	5.352	5.561	5.811	5.553	5.544	5.736	5.464	
1432088	at		Venh1	AK013398	Mm.443526	3	4.689	4.525	4.465	4.494	4.558	4.574	4.504	4.593	4.623	4.583	4.632	4.502	4.678	4.411	4.546	4.567	4.526	4.434	4.553	4.464	4.565	4.200	4.560	4.632	
1432089	at		4930505C17Rik	AK016084	Mm.159475	13	6.992	6.780	7.264	6.974	6.999	7.223	7.036	6.900	6.868	7.008	7.130	7.078	7.084	7.006	7.216	7.266	7.061	7.185	7.122	7.073	7.108	7.028	7.173	7.291	
1432090	at		Ccdc83	AK016080	Mm.160714	7	5.626	5.240	5.408	5.362	5.281	5.307	5.310	5.355	5.330	5.322	5.527	5.189	5.414	5.383	5.393	5.533	5.458	5.292	5.322	5.395	5.185	5.348	5.532	5.486	
1432091	at		Sqsm3	AK007455	Mm.274943	15	8.867	8.836	8.574	8.741	8.740	8.638	8.585	8.539	8.606	8.804	8.647	8.710	8.668	8.709	8.555	8.766	8.776	8.738	8.709	8.676	8.750	8.580	8.802	8.670	
1432092	a	at	Gubp1	AK017798	Mm.133132	1	7.265	6.479	7.228	7.067	6.955	7.339	7.252	7.075	7.058	7.038	7.165	7.063	7.096	6.975	7.263	7.257	7.340	7.222	7.313	7.568	7.407	7.084	7.258	7.614	
1432093	at		4930005A03Rik	AK016003	Mm.425003	2	7.092	5.140	7.037	7.137	5.977	5.925	5.309	5.290	5.097	5.162	5.494	5.019	5.245	5.334	5.334	5.398	5.260	5.398	5.260	5.398	5.260	5.398	5.260	5.398	
1432094	a	at	Ccdc132	AK006602	Mm.45539	6	9.208	9.129	9.299	9.173	9.174	9.327	9.168	8.933	9.011	9.313	8.929	9.037	8.994	9.258	9.087	9.300	8.943	8.917	9.089	9.169	9.027	9.015	9.164	9.295	
1432095	at		4921534H16Rik	AK014999	Mm.445908	9	5.061	4.808	4.989	5.165	5.158	4.978	5.117	5.344	5.108	5.332	5.070	5.511	5.204	5.159	5.128	5.053	5.155	5.221	5.128	5.237	5.167	4.997	5.344	5.019	5.126
1432096	at		Snrpn	AK010671	Mm.274995	7	8.206	7.735	8.130	8.167	7.487	7.968	7.971	7.675	7.436	7.697	7.797	7.492	7.684	7.452	7.661	8.113	7.756	7.744	7.919	7.887	7.812	7.842	7.852	7.995	
1432097	a	at	Dclre1a	AK012900	Mm.2805	19	6.316	6.177	5.910	6.181	6.166	6.112	6.113	6.394	6.144	6.142	6.248	6.064	6.242	6.257	6.222	6.159	6.254	6.167	6.209	6.384	6.175	6.459	6.368	6.202	
1432098	a	at	Ofrr701	AK017036	Mm.159186	7	7.994	7.229	7.627	7.733	7.744	7.699	7.774	7.611	7.443	7.748	7.661	7.452	7.655	7.495	7.675	7.606	7.625								

1432148	at	4930533K18Rik	AK017042	Mm.399302	10	4.682	4.378	4.538	4.838	4.619	4.599	4.854	4.634	4.426	4.327	4.683	4.457	4.573	4.510	4.502	4.735	4.506	4.634	4.665	4.675	4.624	4.598	4.691	4.812
1432149	at	Dph1	AK015645	Mm.41496	11	6.496	6.158	6.410	6.505	6.136	6.471	6.324	6.226	6.249	6.335	6.568	6.141	6.352	5.980	6.346	6.480	6.442	6.290	6.379	6.344	6.620	6.169	6.698	6.417
1432150	at	Tmem59	AK014184	Mm.291192	4	3.548	3.594	3.636	3.587	3.629	3.898	3.861	3.625	3.523	3.603	3.696	3.594	3.584	3.636	3.679	3.636	3.629	3.633	3.692	3.679	3.715	3.625	3.753	3.784
1432151	at	Olai9	AK012998	Mm.22661	2	6.799	6.961	6.711	6.711	6.721	6.739	6.683	6.675	6.959	6.797	7.068	6.833	6.705	6.891	6.814	6.725	6.637	6.460	6.486	6.684	6.456	6.235	6.941	6.624
1432152	at	2610109H07Rik	AK011831	Mm.275288	4	7.017	6.907	6.967	6.802	6.720	6.979	6.853	6.987	6.632	6.871	6.760	6.886	6.850	6.814	6.770	7.084	6.984	6.984	6.937	7.337	7.030	7.050	6.927	7.048
1432153	at	4933426B08Rik	AK016924	Mm.410791	17	5.487	5.513	5.561	5.544	5.554	5.501	5.636	5.641	5.405	5.402	5.549	5.461	5.449	4.666	5.501	5.672	5.594	5.524	5.617	7.449	5.433	5.787	5.625	5.784
1432154	at	4933407108Rik	AK016724	Mm.445952	18	5.589	5.297	5.633	5.454	5.246	5.567	5.398	5.340	5.125	5.441	5.645	5.261	5.215	5.301	5.370	5.604	5.206	5.528	5.413	5.586	5.521	5.020	5.041	5.395
1432155	at	Wasl	AK014104	Mm.1574	6	6.490	6.392	6.322	6.420	6.367	6.354	6.417	6.316	6.467	6.169	6.573	6.284	6.684	6.313	6.503	6.407	6.301	6.507	6.157	6.463	6.392	6.566	6.330	6.251
1432156	a	Rnf32	AK012288	Mm.87352	5	8.330	8.011	8.139	8.252	8.245	8.163	8.332	8.189	8.375	8.042	8.395	8.171	8.243	8.256	8.195	8.356	8.259	8.226	8.110	8.426	8.414	8.364	8.131	8.354
1432157	at	4930515G13Rik	AK015795	Mm.152544	17	5.374	4.967	5.169	5.175	5.102	5.101	5.125	5.098	5.105	5.081	5.240	5.035	5.148	5.234	5.115	5.161	5.151	5.046	5.196	5.298	5.253	5.511	5.280	5.175
1432158	a	Trappc2	AK007951	Mm.279752	X	10.061	9.961	10.183	10.281	10.083	10.485	10.352	9.741	9.803	10.113	9.924	10.017	9.988	10.201	10.172	10.206	9.986	10.054	10.296	10.408	10.058	9.972	10.329	10.161
1432159	a	Tex13	AK016637	Mm.193025	X	6.549	5.888	6.124	5.988	5.969	6.239	6.052	6.052	5.948	5.978	6.198	6.082	6.196	6.047	6.140	6.395	6.065	6.111	6.132	6.146	6.163	6.046	6.182	6.315
1432160	at	Git2	AK017943	Mm.195632	5	6.682	6.593	6.154	6.756	6.621	6.564	6.540	5.582	6.757	6.625	6.403	6.580	6.518	6.395	6.652	6.554	6.632	6.628	6.253	6.282	6.637	6.796	6.571	6.295
1432161	a	Plat1r	AK006988	Mm.32215	19	6.847	6.691	6.894	6.684	6.733	6.697	6.733	6.450	6.380	6.357	6.660	6.684	6.570	6.296	6.671	6.706	6.856	6.681	6.833	6.668	6.474	6.557	6.624	6.827
1432162	s	Plat1r	AK006988	Mm.32215	19	5.961	5.925	5.664	5.814	5.846	5.674	5.798	5.833	5.877	5.870	5.958	6.132	5.842	5.786	5.931	5.695	5.719	5.693	5.778	5.797	5.652	5.556	5.938	5.705
1432163	at	4930567K12Rik	AK016242	Mm.437835	7	5.324	4.902	4.889	5.096	4.922	4.991	4.922	4.679	4.894	4.554	5.124	4.802	4.786	4.921	4.874	5.109	4.806	5.048	4.910	4.935	5.157	4.950	5.928	5.061
1432164	a	Gcsh	AK003189	Mm.258462	8	12.432	12.669	12.355	12.449	12.415	12.465	12.477	12.367	12.456	12.419	12.406	12.289	12.294	12.457	12.280	12.383	12.460	12.428	12.553	12.363	12.507	12.606	12.491	12.464
1432165	at	8430422H06Rik	AK018433	Mm.400519	18	6.975	6.853	7.075	6.928	6.763	6.868	6.914	6.899	6.872	6.913	6.997	6.782	6.974	6.795	6.920	6.916	6.957	6.968	6.884	7.081	6.981	6.917	6.944	6.993
1432166	at	E130018N17Rik	AK018699	Mm.407822	2	7.406	6.993	7.444	7.384	7.266	7.191	7.296	7.520	7.250	7.062	7.296	7.195	7.137	7.240	7.284	7.448	7.267	7.299	7.547	7.429	7.455	7.173	7.417	7.349
1432167	at	NA	AK016250	NA	6	6.568	6.256	6.520	6.576	6.483	6.460	6.565	6.486	6.366	6.250	6.636	6.282	6.370	6.659	6.476	6.510	6.356	6.374	6.473	6.729	6.388	6.431	6.470	6.357
1432168	at	D730045A05Rik	AK021341	Mm.410760	18	7.489	7.707	7.288	7.337	7.166	7.281	7.270	7.381	7.211	7.115	7.148	7.118	7.197	7.180	7.187	7.529	7.430	7.254	7.239	7.140	7.375	7.426	7.316	7.365
1432169	at	4930523013Rik	AK014957	Mm.78172	15	4.411	4.441	4.413	4.489	4.380	4.326	4.452	4.507	4.432	4.373	4.419	4.428	4.456	4.406	4.424	4.479	4.490	4.455	4.383	4.486	4.365	4.411	4.471	4.465
1432170	at	Tsfm	AK020437	Mm.29900	10	6.407	6.194	6.448	6.261	6.328	6.308	6.289	6.382	6.135	6.392	6.311	6.107	6.219	6.199	6.261	6.428	6.194	6.245	6.207	6.276	6.301	6.272	6.457	6.329
1432171	at	4930409F18Rik	AK016753	Mm.375018	12	5.648	5.490	5.845	5.652	5.544	5.482	5.870	5.639	5.680	5.639	5.918	5.659	5.655	5.767	5.767	5.777	5.719	5.933	5.794	6.141	5.800	5.551	5.751	5.801
1432172	at	4930333K18Rik	AK015956	Mm.399302	10	6.679	6.505	6.711	6.856	6.732	6.463	6.503	6.810	6.658	6.574	6.634	6.488	6.635	6.803	6.702	6.690	6.966	6.678	6.712	6.687	6.621	6.576	6.668	6.477
1432173	at	Serpinb12	AK014669	Mm.321740	1	6.207	6.284	6.313	6.560	6.383	6.135	6.319	6.300	6.256	6.346	6.489	6.292	6.282	6.335	5.963	6.291	6.390	6.343	6.253	6.319	6.470	6.600	6.333	6.262
1432174	a	Nhrn1	AK013761	Mm.279744	3	6.157	5.983	6.179	5.983	6.135	6.135	6.135	6.063	5.983	6.063	5.983	5.987	6.158	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088
1432175	at	NA	AK017391	Mm.410782	12	7.311	7.202	7.288	7.542	6.601	5.465	6.550	6.480	5.467	5.268	6.655	6.432	6.282	6.335	5.963	6.291	6.390	6.343	6.253	6.319	6.470	6.600	6.333	6.262
1432176	a	Enq	AK018588	Mm.225297	2	9.799	9.701	9.735	9.711	9.853	9.983	9.849	10.245	9.613	9.608	10.015	9.744	9.607	9.810	9.606	9.695	10.160	10.012	9.832	9.672	9.825	10.196	9.604	9.615
1432177	a	Mnat1	AK018333	Mm.246750	12	8.421	8.410	8.504	8.350	8.340	8.498	8.533	8.244	8.603	8.511	8.862	8.538	8.498	8.325	8.484	8.526	8.406	8.587	8.493	8.430	8.360	8.361	8.379	8.313
1432178	at	4930431119Rik	AK017005	Mm.158622	16	5.486	5.269	5.719	5.412	5.276	5.135	5.404	5.411	5.274	5.209	5.246	5.153	5.249	5.134	5.124	5.345	5.311	5.270	5.272	5.347	5.268	5.477	5.314	5.436
1432179	x	2810433K01Rik	AK007138	Mm.283406	18	4.402	4.469	4.522	4.475	4.483	4.365	4.582	4.634	4.992	4.746	4.995	4.564	4.793	4.833	4.883	4.312	4.472	4.390	4.427	4.456	4.521	4.515	4.397	4.583
1432180	at	4930403G17Rik	AK016633	Mm.158548	7	5.058	5.035	4.982	4.939	5.052	4.932	4.932	4.957	4.919	4.896	5.140	4.723	5.111	4.857	4.991	4.974	5.016	5.013	4.898	5.045	5.069	4.791	4.906	5.147
1432181	s	Scd2	AK013765	Mm.287977	15	8.252	8.436	8.212	8.150	8.290	8.175	8.213	8.806	8.477	8.354	8.253	8.445	8.203	8.174	9.000	9.054	8.444	8.660	8.738	8.818	8.315	8.414	8.414	8.414
1432182	at	2610202B01Rik	AK016841	Mm.410782	8	6.635	6.755	6.923	5.894	6.942	6.917	5.993	6.907	6.542	5.857	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782	6.782
1432183	at	Tmem116	AK015103	Mm.358781	5	8.970	8.566	8.907	8.987	8.728	9.110	8.894	8.837	8.707	8.615	8.906	8.691	8.593	8.737	8.813	8.883	8.852	8.979	9.104	9.058	8.882	8.826	9.063	8.954
1432184	a	2610204M08Rik	AK011884	Mm.250193	12	7.460	7.897	7.450	7.565	7.784	7.204	7.394	7.635	7.882	7.783	7.704	7.675	7.761	7.582	7.516	7.490	7.461	7.615	7.373	7.525	7.614	7.728	7.634	7.523
1432185	a	Spdyb	AK015385	Mm.273303	5	6.927	6.610	6.928	6.757	6.873	6.766	7.060	7.025	6.738	6.733	6.838	6.927	6.658	6.858	6.924	6.978	6.883	6.735	6.855	7.215	6.765	6.918	7.037	6.845
1432186	at	1700028J19Rik	AK006462	Mm.158317	7	6.557	6.471	6.487	6.453	6.450	6.427	6.421	6.329	6.440	6.297	6.471	6.329	6.440	6.297	6.471	6.329	6.440	6.297	6.471	6.329	6.440	6.297	6.471	6.329
1432187	at	Nup43	AK011422	Mm.299887	10	7.492	8.123	7.496	7.655	7.645	7.630	7.700	7.619	7.639	7.560	7.684	7.694	7.576	7.716	7.601	7.557	7.797	7.783	7.747	7.668	7.684	7.714	7.582	7.376
1432188	s	Ucp43	AK011422	Mm.299887	10	7.855	8.523	7.71																					

1432237	at	5730522E02Rik	AK017784	Mm.379180	11	6.153	6.036	6.116	5.980	6.115	6.068	6.201	6.083	6.058	6.081	6.225	5.836	6.083	6.000	5.988	6.101	6.085	6.128	6.137	6.180	6.112	5.807	6.161	6.082
1432238	at	Spats1	AK005865	Mm.44257	17	6.900	6.615	6.702	6.594	6.879	6.690	6.641	6.816	6.969	6.421	6.867	6.815	6.814	6.843	6.670	6.601	6.650	6.810	6.799	6.927	6.734	6.556	6.747	6.600
1432239	at	1700102J08Rik	AK007112	Mm.410861	7	5.742	5.360	5.458	5.490	5.434	5.294	5.450	5.464	5.507	5.278	5.455	5.461	5.573	5.541	5.590	5.267	5.675	5.600	5.645	5.686	5.471	5.527	5.642	
1432240	at	4930533I02Rik	AK015957	NA	7	6.853	6.591	6.754	6.863	6.616	6.686	6.662	6.850	6.581	6.399	6.852	6.517	6.825	6.716	6.621	6.769	6.664	6.716	6.596	6.951	6.655	6.487	6.722	6.732
1432241	at	9030406G03Rik	AK009245	Mm.323861	8	7.357	7.207	7.076	7.286	7.213	7.069	7.050	7.336	7.216	6.896	7.232	7.103	7.123	7.092	7.123	7.136	7.463	7.267	7.209	7.180	7.543	7.284	7.294	7.101
1432242	at	4930447N08Rik	AK015409	Mm.449992	3	4.560	4.180	4.419	4.395	4.414	4.411	4.524	4.442	4.321	4.667	4.520	4.494	4.455	4.381	4.572	4.482	4.451	4.447	4.593	4.482	4.451	4.447	4.386	4.272
1432243	a at	4933433G15Rik	AK014947	Mm.399152	9	5.901	5.777	5.849	5.878	5.908	5.613	5.855	5.903	5.612	5.803	5.782	5.757	5.735	5.697	5.846	5.981	5.787	5.949	5.868	5.895	5.884	5.793	5.856	5.954
1432244	at	4930507D10Rik	AK015727	Mm.410815	11	6.312	6.247	6.639	6.425	6.187	6.420	6.467	6.295	6.258	6.266	6.256	6.132	6.318	6.276	6.312	6.614	6.274	6.333	6.366	6.467	6.365	6.453	6.394	6.531
1432245	s at	Tlc9c	AK018145	Mm.261082	19	6.945	6.853	6.653	6.672	6.613	6.651	6.982	6.771	6.928	6.625	6.802	6.823	6.799	6.898	6.750	6.836	6.786	6.757	6.939	6.776	6.856	6.809	6.701	6.467
1432246	at	4922502N22Rik	AK015023	Mm.410833	6	5.648	5.393	5.728	5.679	5.501	5.645	5.799	5.546	5.485	5.576	5.879	5.572	5.759	5.677	5.677	5.785	5.417	5.547	5.552	6.021	5.436	5.557	5.840	5.582
1432247	at	4633402D09Rik	AK014620	Mm.410844	12	6.180	5.974	6.380	6.241	6.349	6.288	6.347	6.345	6.206	6.171	6.419	6.291	6.445	6.284	6.714	6.400	6.393	6.349	6.307	6.314	6.347	6.337	6.182	6.239
1432248	at	5434042P08Rik	AK017263	Mm.410784	7	6.863	6.305	6.682	6.633	6.347	6.262	6.614	6.327	6.269	6.261	6.385	6.323	6.465	6.335	6.502	6.589	6.469	6.370	6.313	6.548	6.345	6.507	6.387	6.583
1432249	a at	Erc9	AK013216	Mm.212208	13	7.820	7.661	8.033	7.939	7.871	7.714	7.727	7.536	7.903	7.595	7.828	7.386	7.627	7.966	7.633	7.871	7.396	7.592	7.751	7.906	7.537	7.874	7.761	
1432250	at	Upn14a	AK012492	Mm.360445	X	10.71	7.199	7.069	7.076	7.086	7.051	7.181	7.167	7.200	7.103	7.306	6.995	7.022	7.067	7.099	7.228	6.956	7.189	7.114	6.989	7.046	7.052	7.091	7.055
1432251	at	4930403015Rik	AK015069	Mm.449993	10	7.165	6.951	7.458	7.164	7.142	7.190	7.390	7.091	7.201	6.890	7.298	7.131	7.078	6.964	7.300	7.257	7.470	7.466	7.347	7.274	7.104	7.316	7.241	7.361
1432252	a at	4933406K04Rik	AK015628	Mm.159404	12	7.246	6.840	7.137	7.214	6.877	6.697	7.092	7.082	6.716	6.823	6.850	6.756	6.880	6.902	6.843	7.022	6.915	6.738	6.821	6.730	7.007	6.820	6.794	6.951
1432253	at	4921523P09Rik	AK014953	Mm.427289	5	5.478	5.480	5.549	5.561	5.485	5.538	5.596	5.595	5.389	5.320	5.534	5.368	5.353	5.414	5.645	5.519	5.547	5.571	5.523	5.706	5.468	5.582	5.636	5.538
1432254	at	C030013D06Rik	AK021073	NA	14	7.199	6.670	6.912	7.006	6.917	6.991	7.288	6.923	6.751	6.599	6.937	6.699	6.705	6.790	6.933	6.982	6.984	7.094	7.060	7.001	6.951	6.953	7.081	7.092
1432255	at	Mst1	AK020408	Mm.154614	8	7.023	6.772	6.857	6.986	6.822	6.819	7.004	6.840	6.927	6.666	6.835	6.762	6.600	6.966	6.722	7.094	7.041	6.831	6.889	6.969	6.786	6.853	6.903	6.940
1432256	at	1700111N16Rik	AK007172	Mm.410860	X	8	5.561	5.278	5.608	5.534	5.331	5.406	5.498	5.383	5.369	5.326	5.525	5.364	5.442	5.432	5.385	5.524	5.387	5.499	5.701	5.733	5.739	5.499	5.555
1432257	at	Gsm6dc2	AK006248	Mm.443274	15	6.153	5.761	5.947	5.734	5.956	5.818	5.989	5.920	5.692	5.741	5.907	5.847	5.817	5.850	5.805	5.872	6.006	5.626	5.955	5.855	5.934	5.792	5.891	5.929
1432258	at	9430014N10Rik	AK020418	Mm.410768	15	6.537	6.301	6.290	6.499	6.260	6.191	6.377	6.302	6.210	6.070	6.311	6.103	6.282	6.278	6.214	6.304	6.166	6.609	6.226	6.662	6.302	6.313	6.348	6.494
1432259	s at	4931415C17Rik	AK012922	NA	8	5.841	5.765	6.025	5.717	5.730	5.726	5.795	5.995	5.724	5.613	5.444	5.772	5.729	5.710	5.530	5.555	6.029	5.743	5.327	5.635	5.911	5.774	5.726	5.878
1432260	at	Gpr39	AK016817	Mm.424641	1	5.737	5.862	5.845	5.942	5.729	5.699	5.661	5.795	6.004	5.685	5.965	5.885	5.851	5.922	5.745	5.798	5.718	5.484	5.667	5.717	5.822	5.788	5.771	5.468
1432261	at	2310039D24Rik	AK009689	Mm.379243	8	6.671	6.664	6.656	6.659	6.685	6.469	6.642	6.756	5.554	6.869	5.980	5.653	6.621	6.769	6.633	6.654	6.710	6.595	6.497	6.692	6.734	6.680	6.576	6.623
1432262	at	4930504E08Rik	AK015696	Mm.279287	3	7.122	6.853	7.018	6.790	6.939	6.753	7.096	6.754	6.773	6.750	6.895	6.836	6.781	6.731	7.072	7.055	6.769	6.870	6.971	7.187	6.765	6.777	6.870	6.964
1432263	a at	Cox7a2i	AK009617	Mm.390972	17	12.263	12.160	12.130	12.387	12.330	12.378	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330	12.330
1432264	at	AK009614	Mm.30072	17	12.131	12.100	11.910	12.081	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279	12.279
1432265	at	4930445B16Rik	AK015387	Mm.399205	2	6.032	5.905	5.958	5.883	5.890	5.893	6.052	5.951	5.778	5.707	5.913	5.934	5.963	5.916	5.931	6.020	6.079	5.908	5.869	6.259	5.980	5.714	5.906	5.947
1432266	at	EtI4	AK020491	Mm.237935	2	6.698	6.527	6.683	6.660	6.636	6.917	6.752	6.965	6.497	6.596	6.751	6.740	6.763	6.684	6.986	7.001	7.122	6.919	6.962	7.193	6.928	6.933	6.666	6.850
1432267	at	6720483E21Rik	AK020171	Mm.159984	1	6.166	6.043	6.046	6.170	6.105	6.098	6.061	5.889	6.156	6.018	6.095	6.137	6.043	5.969	5.820	5.962	6.175	6.036	6.000	6.253	6.041	6.067	6.052	6.071
1432268	at	2310068J16Rik	AK010113	Mm.28811	15	6.491	6.483	6.672	6.665	6.456	6.266	6.527	6.671	6.326	6.476	6.596	6.302	6.456	6.498	6.617	6.417	6.809	6.856	6.797	6.497	6.639	6.674	6.608	6.493
1432269	a at	Sh3kbp1	AK018032	Mm.286495	X	4	7.577	8.021	7.573	7.620	7.721	7.659	7.595	7.999	8.334	7.880	7.778	7.799	8.066	7.991	7.742	7.275	7.758	7.516	7.663	7.656	7.590	7.706	7.432
1432270	at	Chnm5	AK003313	Mm.212763	4	11.633	11.754	11.696	11.681	11.676	11.860	11.775	11.429	11.704	11.920	11.776	11.799	11.846	12.005	11.840	11.702	11.409	11.501	11.724	11.682	11.509	11.484	11.811	11.662
1432271	at	De051d5	Mm.27293	14	7.010	5.778	6.129	6.138	6.032	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058	6.147	6.058
1432272	a at	Erc4	AK018375	Mm.287837	16	6.457	6.263	5.981	6.571	6.363	6.236	6.361	6.431	6.259	6.255	6.173	6.236	6.358	6.337	6.146	6.099	6.417	6.392	6.457	6.404	6.379	6.307	6.238	6.208
1432273	at	Darc	AK010883	Mm.6393	1	8.217	7.953	8.174	8.156	8.059	8.067	7.978	8.026	8.171	7.894	8.173	7.859	8.105	8.137	8.116	8.079	8.030	8.061	7.996	7.967	8.073	7.969	8.054	8.269
1432274	at	4930543N07Rik	AK016032	Mm.410810	7	7.794	7.604	7.659	7.793	7.626	7.670	7.817	7.734	7.838	7.679	7.746	7.792	7.493	7.714	7.739	7.698	7.705	7.653	7.771	7.653	7.909	7.709	7.689	7.744
1432275	at	Ikbkb	AK011359	Mm.277886	8	9.469	9.054	9.196	9.269	9.285	9.103	9.351	9.281	9.278	9.174	9.197	9.167	9.246	9.228	9.209	9.313	9.174	9.110	9.277	9.348	9.188	9.129	9.318	9.057
1432276	at	4930519F16Rik	AK015842	Mm.1441	X	5.501	5.450	5.345	5.582	5.555	5.686	5.482	5.372	5.575	5.354	5.504	5.300	5.409	5.496	5.487	5.530	5.423	5.404	5.503	5.523	5.500	5.521	5.430	5.614
1432277	at	493056																											

1432326	at	1700042B14Rik	AK006680	Mm.63848	X	5.284	5.129	5.278	5.542	5.149	5.482	5.493	5.173	5.304	5.036	5.505	5.167	5.198	5.519	5.379	5.302	5.224	5.426	5.456	5.580	5.521	5.332	5.518	5.502	
1432327	at	9530067L11Rik	AK020630	NA	8	6.063	5.755	5.788	6.203	5.844	5.920	5.873	5.991	5.820	5.725	5.548	5.745	5.813	6.122	5.982	5.881	5.884	5.679	6.080	6.139	5.801	5.744	5.980	5.828	
1432328	at	4930516K23Rik	AK015805	Mm.449988	7	5.975	5.806	5.938	5.988	5.909	6.112	5.954	5.849	5.930	5.689	6.199	5.582	5.962	5.947	6.013	5.958	6.015	6.041	5.789	5.808	5.962	5.942	5.890	6.092	
1432329	a	Matk	AK018182	Mm.2918	10	5.459	5.210	5.449	5.750	5.444	5.217	5.236	5.539	5.392	5.289	5.246	5.467	5.671	5.365	5.343	5.459	5.483	5.440	5.442	5.614	5.548	5.472	5.510	5.375	
1432330	at	Cbiv	AK015277	Mm.389189	1	4.483	4.465	4.592	4.504	4.438	4.353	4.587	4.383	4.302	4.493	4.364	4.386	4.403	4.408	4.408	4.388	4.415	4.415	4.398	4.415	4.398	4.415	4.398	4.415	
1432331	at	Prrv2	AK019971	Mm.1802	2	5.443	5.554	5.502	5.459	5.649	5.599	5.493	5.612	6.074	5.859	5.356	5.702	5.643	5.529	5.486	5.382	5.462	5.487	5.601	5.601	5.216	5.453	5.380	5.245	
1432332	a	Nutd19	AK008430	Mm.410206	7	9.710	9.907	9.715	9.798	9.702	9.965	9.771	9.728	9.405	9.696	9.923	9.607	9.582	9.658	9.610	9.768	9.765	9.969	10.109	10.028	9.832	9.847	9.722	9.925	
1432333	a	1700027D21Rik	AK006232	Mm.45611	10	7.014	6.945	7.300	7.318	7.369	7.270	7.454	7.482	7.432	7.283	7.451	7.321	7.402	7.266	7.321	7.257	7.251	7.507	7.339	7.401	7.303	7.281	7.332	7.349	
1432334	at	Cvlic2	AK015651	Mm.159368	4	3.763	3.829	3.859	3.860	3.847	3.746	3.790	3.824	3.783	3.831	3.850	3.763	3.810	3.900	3.684	3.746	3.822	3.781	3.877	3.763	3.743	3.825	3.712	3.719	
1432335	at	4930551O13Rik	AK016096	Mm.444759	2	5.783	5.671	5.759	5.756	5.762	5.930	5.750	5.815	5.635	5.661	5.800	5.692	5.626	5.665	5.542	5.858	5.727	5.811	5.848	5.962	5.705	5.660	5.681	5.951	
1432336	at	5033404E19Rik	AK017151	Mm.379303	1	7.459	7.165	7.410	7.559	7.267	7.329	7.188	7.349	7.361	7.174	7.292	7.142	7.240	7.275	7.342	7.391	7.360	7.208	7.348	7.663	7.504	7.456	7.449	7.344	
1432337	at	Fancd	AK020981	Mm.18875	11	4.867	4.818	4.777	4.851	4.768	4.805	4.966	4.808	4.746	4.695	4.971	4.645	4.708	4.831	4.713	4.648	5.003	4.800	4.737	4.762	4.850	4.774	4.676	4.785	
1432338	at	4933419O12Rik	AK014730	Mm.410842	16	5.920	5.626	5.903	5.818	5.754	5.744	5.992	5.681	5.702	5.714	5.961	5.675	5.878	5.857	5.948	5.853	5.795	5.852	6.041	6.015	5.940	5.711	6.055	5.854	
1432339	at	Fancd342iO3Rik	AK017023	Mm.399572	14	6.736	6.170	6.488	6.528	6.187	6.464	6.484	6.484	6.553	6.255	6.199	6.460	6.233	6.410	6.433	6.343	6.251	6.324	6.212	6.278	6.367	6.356	6.396	6.344	
1432340	at	1700121N20Rik	AK007234	Mm.375609	12	5.973	5.553	5.786	5.746	5.914	5.498	5.596	5.833	5.907	5.451	5.800	5.530	5.854	5.880	5.572	5.783	5.797	5.745	5.689	5.905	5.831	5.817	6.043	5.888	
1432341	at	1700022A22Rik	AK016801	Mm.158571	15	5.561	5.012	4.981	5.215	5.020	5.072	5.298	5.364	5.192	5.190	5.515	5.045	5.294	5.081	5.364	5.216	5.077	5.119	5.246	5.464	5.150	5.012	5.238	5.368	
1432342	at	Nmnat3	AK016744	Mm.294082	9	6.375	6.130	6.408	6.113	6.319	6.265	6.423	6.298	5.992	6.251	6.478	6.297	6.265	6.400	6.256	6.241	6.396	6.292	6.444	6.545	6.162	6.197	6.240	6.406	
1432343	at	4930419G24Rik	AK015168	Mm.444676	3	7.233	7.186	7.441	7.409	7.475	7.182	7.359	7.489	7.225	7.226	7.486	7.277	7.386	7.350	7.299	7.354	7.316	7.461	7.308	7.442	7.454	7.294	7.388	7.352	
1432344	a	Aolp2	AK013376	Mm.19133	7	7.467	7.250	7.591	7.571	8.037	8.045	7.823	7.632	7.302	7.525	7.422	7.811	7.638	7.516	7.986	7.713	7.676	7.505	7.742	7.588	7.628	7.659	7.545	7.815	
1432345	at	1700048F04Rik	AK006725	Mm.416859	5	7.080	6.499	7.046	6.901	6.841	6.987	6.964	6.955	6.663	6.773	6.971	6.682	6.847	6.668	6.971	6.954	6.835	6.899	7.042	7.061	6.986	6.741	7.038	6.979	
1432346	at	Cdh23	AK016015	Mm.440327	10	6.966	6.519	6.865	6.761	6.827	6.779	6.743	6.764	6.770	6.721	6.823	6.692	6.809	6.822	6.664	6.796	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	
1432347	at	4931428L18Rik	AK016483	Mm.161414	1	7.769	7.511	7.720	7.862	7.608	7.707	7.841	7.646	7.569	7.553	7.699	7.559	7.689	7.690	7.678	7.845	7.919	7.896	7.877	7.827	7.909	7.879	7.779	7.855	
1432348	at	4930524O07Rik	AK006661	NA	9	7.884	7.711	7.823	7.695	7.752	7.665	7.745	7.733	7.717	7.538	7.908	7.617	7.753	7.704	7.760	7.682	7.808	7.610	7.609	7.977	7.681	7.707	7.665	7.705	
1432349	a	Sync	AK004279	Mm.132243	4	7.111	7.776	7.745	7.449	7.264	7.209	7.059	7.774	7.239	7.439	7.309	7.779	7.602	7.159	7.317	7.519	7.309	6.715	7.229	7.091	6.911	7.403	6.834	7.036	
1432350	at	Sync	AK004279	Mm.132243	4	7.983	7.946	8.114	8.241	8.054	7.966	7.961	7.976	8.020	8.130	7.962	8.080	7.996	7.932	8.106	8.219	8.004	7.850	7.884	7.998	8.026	7.787	7.960	7.795	
1432351	at	9030625G05Rik	AK018576	Mm.158724	18	5.490	5.210	5.438	5.503	5.432	5.360	5.427	5.398	5.421	5.180	5.524	5.346	5.321	5.335	5.204	5.525	5.453	5.363	5.439	5.583	5.425	5.416	5.491	5.508	
1432352	at	Cbiv	AK015277	Mm.389189	18	6.091	6.732	6.208	6.233	6.038	6.233	6.038	6.038	6.233	6.038	6.038	6.233	6.038	6.038	6.233	6.038	6.038	6.233	6.038	6.038	6.233	6.038	6.038	6.233	6.038
1432353	a	Latf8	AK016882	Mm.4239	3	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	6.289	
1432354	at	1700003H04Rik	AK016589	Mm.46144	3	5.506	5.401	5.400	5.167	5.277	5.366	5.530	5.422	5.383	5.405	5.509	5.263	5.355	5.340	5.536	5.536	5.179	5.661	5.691	5.771	5.617	5.257	5.563	5.491	
1432355	at	2210039B01Rik	AK008780	Mm.369885	12	5.260	5.095	5.153	5.303	5.138	5.117	5.427	5.107	4.935	4.926	4.810	4.971	5.290	5.094	5.184	4.922	5.162	5.369	5.221	5.200	5.219	5.232	5.384	5.235	
1432356	at	493056N10Rik	AK006816	NA	16	7.206	7.241	7.119	7.212	7.415	7.300	6.982	7.042	6.858	6.975	7.047	7.302	7.316	7.138	6.906	7.353	7.277	7.281	7.061	7.130	7.043	7.478	7.466	7.310	
1432357	at	4930566D17Rik	AK016233	Mm.402046	8	6.424	6.109	6.159	6.128	6.166	6.065	6.080	6.175	6.092	5.722	6.475	6.125	6.068	6.152	6.125	6.260	6.192	6.126	6.098	6.302	6.141	6.206	6.179	6.137	
1432358	at	Muc16	AK003577	Mm.159052	9	6.382	6.209	6.174	6.349	6.431	6.678	6.478	6.359	6.251	6.253	6.314	6.240	6.224	6.125	6.120	6.219	6.229	6.229	6.324	6.462	6.407	6.364	6.544	6.315	
1432359	at	4930435F05Rik	AK019598	Mm.160050	17	8.265	8.196	8.299	8.319	8.304	8.217	8.347	8.367	8.453	8.281	8.311	8.210	8.284	8.439	8.264	8.161	8.326	8.245	8.212	8.340	8.484	8.360	8.378	8.649	
1432360	at	Latf8	AK015932	Mm.136313	1	5.431	6.270	6.442	6.379	6.342	6.198	6.285	6.325	6.365	6.199	6.227	6.293	6.548	6.538	6.442	6.339	6.690	6.690	6.378	6.378	6.378	6.378	6.378	6.378	
1432361	a	Cenpp	AK014919	Mm.440323	13	4.978	5.176	4.905	4.741	5.107	4.872	4.981	5.510	5.295	5.191	5.196	4.831	4.850	5.163	4.968	4.772	5.354	4.827	4.940	4.824	5.544	5.836	5.588	4.919	
1432362	at	Cenpp	AK014919	Mm.440323	13	5.000	5.046	4.975	4.805	5.168	4.880	5.019	5.074	5.146	5.236	5.070	4.963	5.046	5.116	5.111	4.899	5.065	4.832	5.075	5.051	5.002	5.207	4.947	4.926	
1432363	at	100041434	AK010542	Mm.52981	8	6.117	5.935	5.846	5.891	5.934	5.912	5.970	5.933	5.839	5.741	6.135	5.987	6.065	5.877	5.872	5.825	5.879	5.843	5.894	6.137	5.863	6.043	5.916	5.922	
1432364	at	4930556N13Rik	AK016153	Mm.402023	11	6.868	6.811	7.059	7.007	6.849	6.845	7.065	6.870	6.731	6.610	6.909	6.868	6.765	6.859	6.923	6.880	6.940	6.864	6.811	6.851	7.005	6.856	6.919	6.925	
1432365	a	4930556L07Rik	AK016389	Mm.195735	2	6.834	6.389	6.971	6.838	6.461	6.718	6.790	6.589	6.571	6.668	6.903	6.456	6.725	6.567	6.815	6.928	6.701	6.628	6.843	6.713	6.771	6.611	6.723	6.785	
1432366	at	4930447K03Rik	AK015408	Mm.159104	13	5.668	5.419	5.419</																						

1432415	a	Rab3c	AK014050	Mm.390643	13	6.764	6.508	6.785	6.763	6.626	6.566	6.613	6.594	6.650	6.685	6.628	6.791	6.573	6.868	7.074	6.996	7.003	6.772	7.030	6.815	6.810	6.818	6.982	
1432416	a	Npm1	AK005498	Mm.6343	11	10.645	11.270	10.606	10.524	10.821	10.781	10.517	11.174	11.077	11.062	11.005	10.885	11.016	11.364	10.856	10.624	11.079	10.499	10.726	10.567	10.955	11.154	10.529	10.559
1432417	a	Tspan2	AK020982	Mm.27469	3	8.170	8.134	8.151	8.151	7.855	8.221	8.207	8.199	7.950	7.944	8.190	8.000	7.991	8.231	8.156	8.204	7.907	8.058	8.002	8.108	8.142	7.770	8.260	8.135
1432418	a	Ckmt1	AK018487	Mm.252145	2	6.889	6.460	6.947	6.753	6.639	6.821	6.857	6.807	6.499	6.443	6.767	6.702	6.719	6.559	6.714	6.687	6.750	6.753	6.830	6.731	6.758	6.803	6.744	6.677
1432419	a	2700078K21Rik	AK021255	Mm.53295	7	7.938	7.705	7.830	7.945	7.907	7.841	7.625	7.865	7.709	7.679	7.772	7.889	7.718	7.589	7.814	8.018	7.822	7.852	7.828	7.961	7.820	7.744	7.903	
1432420	a	2310002L09Rik	AK009097	Mm.158769	9	9.661	8.985	9.370	9.128	8.068	9.293	9.576	8.029	8.727	9.149	8.983	8.806	8.688	8.259	9.497	8.475	8.961	8.991	8.678	8.978	9.170	8.445	8.957	
1432421	a	Pms2	AK014190	Mm.2950	5	6.301	6.293	6.473	6.445	6.177	6.443	6.208	6.429	6.392	6.400	6.313	6.499	6.409	6.375	6.497	6.370	6.378	6.413	6.234	6.426	6.270	6.058	6.332	6.267
1432422	a	1700063K16Rik	AK006873	Mm.380984	16	7.541	7.345	7.303	7.685	7.297	7.515	7.496	7.409	7.369	7.386	7.545	7.286	7.365	7.393	7.568	7.594	7.444	7.467	7.613	7.684	7.566	7.451	7.459	7.550
1432423	a	C530008M17Rik	AK015929	Mm.101504	5	6.892	6.552	6.782	6.808	6.781	6.692	6.770	6.811	6.769	6.705	6.748	6.553	6.720	6.606	6.786	6.789	6.632	6.510	6.854	6.798	6.601	6.614	6.500	6.683
1432424	a	493505H01Rik	AK015703	Mm.444693	17	5.443	5.044	5.466	5.193	5.308	5.019	5.326	5.570	5.327	4.937	5.404	5.197	5.468	5.298	5.324	5.292	5.328	5.263	5.328	5.360	5.586	5.247	5.323	5.271
1432425	a	Lrrc67	AK015164	Mm.386795	1	4.103	3.873	4.054	4.090	4.068	4.084	3.880	3.939	3.957	3.964	4.054	3.894	4.158	3.963	4.023	4.058	4.022	4.064	4.167	4.165	4.160	4.009	4.048	4.129
1432426	a	Ube2t	AK007960	Mm.337238	1	8.354	8.466	8.474	8.276	8.396	8.399	8.281	8.492	8.484	8.509	8.668	8.425	8.340	8.436	8.390	8.447	8.175	8.367	8.416	8.411	8.134	8.167	8.207	8.455
1432427	a	Ndufb4	AK004958	Mm.379154	16	5.561	5.507	5.766	5.619	5.439	5.523	5.447	5.294	5.385	5.094	5.640	5.291	5.473	5.378	5.594	5.503	5.359	5.459	5.587	5.595	5.519	5.383	5.810	5.681
1432428	a	Ankrd55	AK021066	Mm.159895	13	6.804	6.047	6.458	6.366	6.201	6.484	6.265	6.347	6.156	6.581	6.363	6.157	6.169	6.159	6.357	6.218	6.201	6.144	6.361	6.902	6.423	6.309	6.275	6.382
1432429	a	8430437N05Rik	AK018473	NA	14	6.675	6.550	6.621	6.572	6.422	6.603	6.675	6.545	6.526	6.463	6.582	6.468	6.430	6.540	6.691	6.745	6.488	6.863	6.700	6.758	6.672	6.602	6.670	6.660
1432430	a	1700081L11Rik	AK006970	Mm.136418	11	7.644	7.252	7.441	7.384	7.504	7.346	7.311	7.544	7.388	7.274	7.379	7.284	7.618	7.422	7.412	7.352	7.473	7.496	7.391	7.452	7.338	7.377	7.76	7.553
1432431	s	Macrod2	AK004072	Mm.229466	2	7.885	8.038	7.564	7.870	8.065	7.696	7.872	7.802	7.984	7.872	7.526	8.037	7.980	7.765	7.678	7.319	8.187	8.053	7.925	7.915	8.053	8.114	7.786	7.763
1432432	a	Rab3c	AK012468	Mm.390643	13	4.059	4.085	4.283	4.011	3.939	4.022	3.899	4.336	4.151	3.916	4.030	4.045	4.195	4.107	4.039	4.047	4.151	4.189	4.254	4.142	4.143	3.948	4.056	4.275
1432433	a	4935024N10Rik	AK015899	Mm.159415	X	5.618	5.197	5.744	5.121	5.030	5.392	5.231	5.273	5.381	5.109	5.364	5.267	5.452	5.297	5.322	5.131	5.387	5.133	5.420	5.474	5.548	5.096	5.396	5.635
1432434	a	4935022N08Rik	AK015871	Mm.399281	5	6.118	5.952	6.077	6.062	5.983	6.009	6.099	6.018	5.993	5.813	6.327	5.810	6.187	6.088	5.912	5.987	5.988	5.993	6.178	6.049	6.050	5.899	6.040	5.877
1432435	s	C030004A17Rik	AK012261	Mm.24197	9	7.882	7.983	8.079	8.012	7.987	7.944	7.903	7.638	7.638	7.705	7.683	7.817	7.864	7.747	7.705	7.974	7.998	8.161	8.358	7.922	8.076	8.097	8.098	8.193
1432436	a	Ak3	AK007618	Mm.196067	7	7.621	7.958	7.625	7.691	8.031	7.659	7.632	7.625	8.114	8.043	7.677	7.794	7.710	7.733	7.877	7.727	7.761	7.802	7.910	7.886	7.929	7.652	7.367	7.798
1432437	a	4933413N12Rik	AK016810	Mm.158581	17	7.496	7.279	7.538	7.683	7.434	7.421	7.397	7.363	7.346	7.208	7.594	7.442	7.367	7.480	7.388	7.463	7.426	7.314	7.468	7.449	7.438	7.328	7.363	7.438
1432438	a	49350597L12Rik	AK016407	Mm.453551	3	7.034	6.681	7.222	6.989	6.991	7.152	7.086	6.902	6.860	6.947	7.098	6.804	6.900	7.009	7.112	6.870	6.943	6.860	7.211	6.978	6.930	7.147	7.125	
1432439	a	Zfp715	AK011730	Mm.45367	7	5.657	5.519	5.600	5.744	5.646	5.615	5.739	5.726	5.693	5.961	5.930	5.602	6.106	5.676	5.545	5.664	5.627	5.556	5.748	5.886	5.553	5.432	5.845	5.898
1432440	a	170011E14Rik	AK007169	Mm.159031	6	4.795	4.622	4.894	4.723	4.963	4.838	4.885	4.743	4.710	4.591	4.899	4.625	4.726	4.819	4.787	4.805	4.978	4.939	4.986	4.861	4.791	4.632	4.704	4.648
1432441	a	390131J09Rik	AK015907	Mm.159584	14	6.981	6.907	7.745	7.418	7.577	7.481	7.362	7.478	7.357	7.462	7.559	7.733	7.557	7.689	7.581	7.780	7.599	7.581	7.782	7.606	7.593	7.444	7.603	7.636
1432442	a	493048F22Rik	AK015606	Mm.390079	8	5.228	4.688	5.502	5.402	4.468	5.547	5.669	4.485	5.159	5.055	5.945	5.432	5.155	5.259	5.438	5.332	5.155	5.259	5.438	5.332	5.155	5.259	5.438	5.332
1432443	a	1700021P22Rik	AK006222	Mm.258841	7	5.832	5.557	5.595	5.878	5.825	5.654	5.685	6.031	5.707	5.426	5.782	5.563	5.825	5.668	5.551	5.782	5.708	5.751	5.677	5.700	5.889	5.704	5.832	5.545
1432444	a	Eapp	AK012800	Mm.156440	12	8.869	9.130	8.846	8.617	8.920	8.747	8.813	9.162	9.168	8.994	8.768	9.135	9.105	8.837	8.803	8.561	9.133	9.229	8.860	8.620	9.322	9.338	8.999	8.620
1432445	a	230016G11Rik	AK009387	Mm.379168	7	5.568	5.332	5.276	5.554	5.466	5.809	5.483	5.440	5.262	5.243	5.563	5.493	5.231	5.418	5.337	5.633	6.080	5.988	5.967	5.893	6.055	6.022	5.580	5.708
1432446	a	170016K13Rik	AK006043	Mm.159143	5	6.433	6.220	6.343	6.312	6.211	6.244	6.315	6.328	6.088	6.057	6.253	6.269	6.172	6.225	6.298	6.296	6.177	6.320	6.043	6.553	6.368	6.359	6.440	6.436
1432447	a	231005N01Rik	AK009177	Mm.291214	4	7.738	7.560	7.633	7.600	7.643	7.533	7.683	7.783	7.655	7.697	7.566	7.695	7.692	7.629	7.643	7.568	7.709	7.776	7.595	7.545	7.729	7.666	7.722	7.478
1432448	a	260006K01Rik	AK011165	Mm.140950	2	6.534	6.460	6.237	6.468	6.449	6.360	6.343	6.543	6.746	6.485	6.497	6.270	6.491	6.530	6.504	6.457	6.548	6.357	6.368	6.476	6.569	6.362	6.725	6.678
1432449	a	573041B19Rik	AK012026	Mm.1590263	14	6.291	6.005	6.137	6.065	6.182	6.089	6.278	6.387	7.192	6.895	6.395	6.613	6.713	6.798	6.723	6.905	6.968	6.908	6.274	6.266	6.237	6.949	7.033	6.949
1432450	a	8030423J24Rik	AK020194	Mm.159859	13	6.038	5.746	5.799	6.059	5.730	5.624	5.819	5.793	5.846	5.781	5.566	5.675	5.824	5.708	5.816	5.868	5.867	5.924	5.561	5.599	5.910	5.580	5.987	5.792
1432451	a	493045E18Rik	AK019612	Mm.160049	15	4.810	4.496	4.972	4.730	4.420	4.775	4.813	4.692	4.777	4.753	4.614	4.644	4.526	4.989	4.754	4.482	4.833	4.733	4.937	4.740	4.741	4.507	4.744	4.749
1432452	a	1700054019Rik	AK006789	NA	14	6.646	6.324	6.579	6.606	6.828	6.308	6.571	6.517	6.826	6.542	6.714	6.594	6.723	6.568	6.653	6.509	6.820	6.566	6.657	6.587	6.600	6.601	6.715	6.438
1432453	a	Ms4a10	AK008019	Mm.273404	19	7.011	6.678	6.991	7.064	6.907	6.928	7.047	6.862	6.977	6.764	7.131	6.694	6.673	6.938	6.937	7.035	6.965	6.952	6.948	7.276	6.999	6.661	6.942	7.023
1432454	a	2310137M14Rik	AK010800	Mm.159787	17	7.992	7.585	7.785	7.811	7.638	7.738	7.788	7.744	7.409	7.547	7.780	7.550	7.636	7.685	7.627	7.628	7.595	7.483	7.600	7.667	7.905	7.695	7.753	7.773
1432455	a	Prlb1	AK005485	Mm.215193	13	6.233	6.031	6.536	6.385	6.034	6.348																		

1432504	at	1700106N22Rik	AK007130	Mm.260753	17	6.727	6.368	6.507	6.460	6.390	6.700	6.453	6.623	6.539	6.307	6.246	6.453	6.264	6.449	6.496	6.520	6.407	6.639	6.553	6.467	6.579	6.560	6.518	6.353
1432505	at	1700009J07Rik	AK015973	Mm.348012	10	5.115	4.899	4.928	4.944	4.798	4.841	4.891	5.020	4.944	4.763	4.846	4.722	4.828	4.906	4.798	4.864	5.040	4.846	4.817	4.657	4.866	4.969	4.775	4.927
1432506	at	Tmem86b	AK020752	Mm.389784	7	7.319	7.195	7.037	7.033	7.038	7.109	7.117	7.105	7.119	7.012	7.253	6.939	7.101	7.140	6.969	7.264	7.130	7.103	7.215	7.354	7.081	6.949	7.189	7.239
1432507	at	B430319H21Rik	AK021026	Mm.374388	11	6.742	6.383	6.494	6.655	6.518	6.444	6.600	6.475	6.481	6.523	6.818	6.452	6.580	6.492	6.523	6.561	6.548	6.493	6.517	6.771	6.591	6.655	6.375	6.456
1432508	at	1700011J12Rik	AK004415	Mm.478034	11	5.367	4.963	5.124	5.200	5.087	5.244	5.117	5.276	5.084	5.014	4.759	5.060	5.239	4.877	5.201	4.963	5.074	5.069	5.216	5.074	5.069	5.216	4.966	5.232
1432509	at	5033403115Rik	AK017206	Mm.44949	13	7.167	7.127	6.913	7.088	7.077	7.221	7.337	7.542	6.756	6.722	7.005	7.233	6.956	6.739	6.710	6.883	7.814	7.778	7.429	7.597	7.642	7.384	7.234	6.780
1432510	at	49305112M02Rik	AK015778	Mm.159430	11	4.142	4.154	4.176	4.098	4.084	3.957	4.086	4.045	4.078	3.976	4.161	4.039	4.271	4.224	3.867	4.053	3.969	4.077	3.895	3.987	3.996	4.143	4.172	4.106
1432511	s at	Cep27	AK007106	Mm.221900	2	6.306	6.066	6.492	6.063	6.271	6.346	6.213	6.039	6.147	5.999	6.299	5.988	6.176	6.056	6.317	6.177	6.177	6.002	6.224	6.134	6.094	6.063	6.272	6.465
1432512	at	4931433A01Rik	AK019817	Mm.461314	4	3.956	3.974	3.915	3.928	4.070	3.858	3.913	4.032	3.968	3.902	3.913	3.957	3.831	3.945	3.896	4.066	4.122	3.826	3.894	3.847	3.935	4.093	3.975	3.943
1432513	a at	1700001C02Rik	AK005574	Mm.332291	5	4.802	4.859	4.907	4.817	4.687	4.849	4.850	4.670	4.718	4.634	4.833	4.763	4.627	4.649	4.636	4.783	5.082	4.679	4.887	4.778	4.856	4.696	4.887	4.696
1432514	at	1700066J24Rik	AK006904	Mm.440546	4	7.634	7.258	7.506	7.746	7.449	7.480	7.550	7.733	7.482	7.342	7.388	7.297	7.427	7.491	7.463	7.446	7.449	7.404	7.273	7.696	7.542	7.541	7.678	7.559
1432515	at	2410124H12Rik	AK010774	Mm.443618	16	6.567	5.975	6.285	6.300	6.155	6.221	6.119	6.408	6.318	6.119	6.422	6.057	6.372	6.254	6.413	6.263	6.017	6.068	6.271	6.194	6.354	6.274	6.239	6.256
1432516	at	4930447F04Rik	AK015402	NA	6	4.760	4.465	4.577	4.440	4.486	4.467	4.535	4.533	4.457	4.302	4.666	4.415	4.503	4.547	4.573	4.729	4.717	4.583	4.545	4.808	4.663	4.685	4.582	4.645
1432517	at	Nnm1	AK006371	Mm.83432	9	7.872	8.542	7.719	7.750	7.590	8.150	7.710	7.940	8.298	7.720	8.134	8.576	8.283	8.773	7.891	7.653	7.169	7.532	7.550	7.207	6.891	7.462	7.299	7.198
1432518	at	4930430J20Rik	AK019589	Mm.437519	4	6.592	6.293	6.453	6.450	6.267	6.523	6.458	6.405	6.425	6.041	6.508	6.361	6.381	6.273	6.394	6.445	6.479	6.345	6.248	6.445	6.560	6.411	6.404	6.405
1432519	at	1810059H22Rik	AK007907	Mm.281060	5	6.226	6.082	6.261	6.481	6.275	6.233	6.353	6.346	6.280	5.755	6.204	6.357	6.376	6.317	5.921	6.233	6.545	6.364	6.164	6.300	6.603	6.331	3.885	6.360
1432520	at	Iqh-VJ558	AK007163	Mm.246497	12	4.531	4.441	4.927	4.505	4.583	4.989	4.783	4.793	4.519	4.531	4.743	4.604	4.664	4.679	4.593	4.687	4.591	4.905	4.698	5.110	4.840	4.448	4.705	4.664
1432521	at	Mxra8	AK007076	Mm.159028	4	6.394	6.145	6.346	6.237	6.252	6.308	6.371	6.461	6.185	6.207	6.293	6.305	6.324	6.417	6.296	6.348	6.480	6.197	6.273	6.463	6.292	6.437	6.415	6.514
1432522	s at	Ccdc46	AK005611	Mm.344071	11	7.468	7.181	7.407	7.301	7.349	7.197	7.359	7.260	7.371	7.016	7.305	7.245	7.076	7.236	7.364	7.449	7.112	7.179	7.297	7.411	7.435	7.320	7.368	7.305
1432523	at	Hpk2	AK019821	Mm.23790	6	4.760	4.465	4.577	4.440	4.486	4.467	4.535	4.533	4.457	4.302	4.666	4.415	4.503	4.547	4.573	4.729	4.717	4.583	4.545	4.808	4.663	4.685	4.582	4.645
1432524	at	4930505G17Rik	AK016085	Mm.159490	2	4.622	4.586	4.781	4.407	4.742	4.616	4.499	4.851	4.508	4.621	4.509	4.566	4.594	4.486	4.472	4.432	4.901	4.608	4.737	4.774	4.711	4.659	4.863	4.469
1432525	at	1700001C02Rik	AK006710	Mm.332291	5	7.251	6.974	7.028	7.144	7.098	7.070	7.114	7.270	7.226	6.985	7.298	6.954	7.001	7.272	7.121	7.164	7.094	7.029	7.122	7.042	7.261	7.196	7.215	7.034
1432526	a at	Snf8	AK020203	Mm.372235	11	10.055	10.323	10.120	10.127	10.153	10.115	10.112	10.094	10.252	10.243	10.109	10.064	10.100	10.335	10.029	10.141	10.108	10.205	10.252	10.122	9.948	9.862	9.967	9.886
1432527	at	1700108M19Rik	AK007140	Mm.250837	12	5.192	4.991	5.219	5.478	5.236	5.022	5.153	5.017	4.910	4.853	5.145	4.873	5.010	5.069	4.870	5.194	5.028	5.075	5.008	5.451	5.173	5.140	5.188	5.078
1432528	at	1700012P04Rik	AK006227	Mm.159531	19	6.419	6.091	6.319	6.490	6.274	6.278	6.285	6.433	6.222	6.232	6.153	6.185	6.287	6.287	6.346	6.295	6.430	6.532	6.308	6.540	6.400	6.257	6.362	6.481
1432529	at	Boll	AK016125	Mm.476317	1	8.065	7.592	7.902	7.753	7.802	7.883	7.903	7.860	7.784	7.632	7.878	7.618	7.676	7.745	7.944	7.927	7.815	8.021	7.858	7.955	7.942	7.742	7.921	7.991
1432530	s at	1700012P04Rik	AK020175	Mm.159531	3	6.732	6.416	6.373	6.433	6.423	6.433	6.433	6.405	6.484	6.454	6.484	6.454	6.484	6.454	6.484	6.454	6.484	6.454	6.484	6.454	6.484	6.454	6.484	6.454
1432531	at	9302104LO09Rik	AK020332	Mm.159516	2	7.528	7.374	7.427	7.449	7.413	7.265	7.367	7.576	7.271	7.578	7.369	7.457	7.418	7.362	7.474	7.423	7.489	7.461	7.482	7.461	7.482	7.461	7.482	7.461
1432532	at	0610025J13Rik	AK021025	Mm.160113	4	7.162	6.716	6.753	6.614	6.780	6.794	6.823	7.037	6.675	6.596	6.573	6.800	6.509	6.580	6.784	6.939	6.958	6.799	6.723	6.899	6.789	6.767	6.611	6.792
1432533	a at	Sic35a2	AK008095	Mm.214976	X	8.017	7.969	7.959	7.880	8.011	7.903	7.854	7.842	8.198	8.028	8.001	7.974	8.103	7.913	8.029	7.917	7.754	7.970	8.006	7.978	7.879	7.814	7.846	7.892
1432534	at	3300002I08Rik	AK014369	Mm.272470	2	7.274	7.220	7.245	7.327	7.094	7.184	7.248	7.142	7.248	7.086	7.136	7.114	7.127	7.312	7.072	7.043	7.017	6.952	6.959	6.939	7.242	6.974	7.140	7.160
1432535	at	5530400C23Rik	AK017421	Mm.158689	6	5.561	5.190	5.708	5.465	5.746	5.530	5.675	5.565	5.341	5.139	5.225	5.494	5.523	5.469	5.585	5.737	5.661	5.583	5.653	5.733	5.353	5.450	5.721	5.633
1432536	at	1700055M20Rik	AK006802	Mm.472783	8	4.852	4.673	4.879	4.868	4.861	4.748	4.943	4.834	4.685	4.745	4.655	4.789	4.764	4.521	4.962	4.973	4.992	5.086	4.950	4.957	4.957	4.947	4.935	4.808
1432537	at	4930465A12Rik	AK015502	Mm.388887	4	5.293	4.999	5.090	5.070	5.068	4.967	5.092	5.089	5.157	4.935	5.148	4.959	5.059	5.036	5.123	5.207	4.993	5.068	5.020	5.227	5.293	5.053	5.002	5.184
1432538	at	1700127T08Rik	AK007298	Mm.195787	7	5.549	5.238	5.418	5.294	5.054	5.556	5.390	5.095	5.082	5.011	5.217	5.268	5.119	5.210	5.371	5.594	5.356	5.501	5.687	5.444	5.459	5.265	5.565	5.801
1432539	a at	Nup54	AK014260	Mm.275289	5	6.501	6.839	6.395	6.293	6.447	6.001	6.102	6.676	6.635	6.452	6.527	6.652	6.400	6.260	6.362	6.085	6.501	6.526	6.268	5.931	6.431	6.152	6.266	6.276
1432540	at	Krtap7-1	AK017387	Mm.158680	16	5.252	5.016	5.181	5.101	4.977	5.136	5.220	5.020	5.118	4.808	5.086	5.081	5.305	4.928	5.068	5.047	5.099	5.020	5.089	5.257	5.039	5.501	5.208	5.106
1432541	at	4930408O17Rik	AK015114	Mm.159092	12	8.458	8.340	8.382	8.358	8.443	8.264	8.313	8.381	8.362	8.357	8.531	8.211	8.328	8.375	8.259	8.489	8.454	8.335	8.488	8.352	8.375	8.322	8.461	8.268
1432542	at	2810474C18Rik	AK013405	Mm.463008	11	5.370	5.065	5.215	5.257	5.407	5.415	5.299	5.405	5.198	5.311	5.248	5.326	5.322	5.218	5.493	5.429	5.381	5.344	5.328	5.673	5.258	5.590	5.317	5.033
1432543	a at	Klf13	AK002926	Mm.240473	7	6.338	9.005	8.268	8.296	8.926	8.387	8.306	9.500	9.134	8.701	8.572	9.270	9.034	8.271	8.414	8.101	9.319	8.804	8.116	8.085	9.248	9.955	8.405	8.179
1432544	at	4930449E01Rik	AK015429</																										

1432593	at	4933428P19Rik	BB015222	Mm.258955	10	8.002	7.818	7.908	7.841	7.643	7.881	7.862	7.923	7.703	7.572	7.879	7.754	7.757	7.729	7.816	7.658	7.803	7.952	7.846	7.786	8.048	7.989		
1432594	at	Arhqe17	BE651011	Mm.244068	8	6.141	5.689	6.008	6.027	5.909	5.863	5.933	5.980	5.865	5.785	5.893	5.829	5.910	6.124	5.918	5.963	6.046	5.939	6.070	6.034	5.980	5.761	5.980	6.152
1432595	at	Arhqe17	BE651011	Mm.244068	8	4.755	4.663	4.673	4.652	4.703	4.595	4.631	4.818	4.822	4.691	4.749	4.693	4.818	4.729	4.743	4.631	4.519	4.490	4.681	4.604	4.659	4.470	4.801	4.793
1432596	at	4930599N24Rik	AV318538	NA	3	5.322	5.159	5.200	5.509	5.292	5.412	5.237	5.405	5.342	5.158	5.312	4.887	5.259	5.434	5.381	5.380	5.366	5.380	5.440	5.586	5.428	5.465	5.553	5.594
1432597	at	4930599N24Rik	AV318538	NA	3	6.936	6.722	6.904	6.722	6.582	6.741	6.861	6.789	6.693	6.641	6.719	6.656	6.837	6.729	6.854	6.826	6.833	6.815	6.854	6.890	6.959	6.851	6.792	6.804
1432598	at	GmC11	AV139332	Mm.321452	6	6.596	6.365	6.728	6.469	6.549	6.555	6.646	6.555	6.404	6.329	6.586	6.365	6.391	6.689	6.601	6.572	6.528	6.707	6.761	6.611	5.567	6.470	6.470	
1432599	at	261001301H18Rik	AK011956	Mm.244671	2	5.374	5.512	5.746	5.616	5.642	5.616	5.755	5.566	5.540	5.652	5.522	5.448	5.767	5.672	5.600	5.730	5.565	5.658	5.627	5.817	5.708	5.657	5.774	5.596
1432600	at	23100561A09Rik	BB105009	NA	16	4.921	4.707	4.953	4.884	4.787	5.136	4.986	4.887	4.881	4.842	4.920	4.812	5.048	4.807	4.980	4.904	4.895	5.085	4.912	5.084	4.815	4.784	4.867	4.976
1432601	at	MI15	BB187157	Mm.205190	5	4.073	3.917	3.916	3.913	3.739	4.070	4.083	3.903	3.957	4.201	4.100	3.705	3.960	3.905	4.029	4.017	4.021	4.147	3.878	4.192	4.290	4.149	4.254	4.430
1432602	at	Nrip1	BB187157	NA	NA	6.542	6.331	6.440	6.354	6.332	6.268	6.207	6.424	6.344	6.356	7.050	6.430	6.336	6.527	6.277	6.371	6.485	6.531	6.526	6.568	6.559	6.781	6.337	6.477
1432603	at	Nrip1	BB041915	Mm.74711	16	8.166	7.855	8.166	8.189	7.748	8.225	8.261	8.094	7.990	7.934	8.077	7.964	7.937	8.086	7.974	8.111	8.204	8.147	8.192	8.210	8.364	7.918	8.129	8.270
1432604	at	Rb11	AA990586	Mm.244671	2	5.398	5.857	4.999	5.197	5.155	5.067	5.109	5.483	5.186	5.062	5.329	5.351	5.231	5.403	5.258	5.159	5.113	5.077	5.164	5.111	5.094	5.221	4.939	5.014
1432605	at	NA	AA990586	NA	NA	4.599	4.502	4.869	4.864	4.526	4.817	4.635	4.782	4.581	4.925	4.731	4.739	4.647	4.813	4.684	4.710	4.651	4.585	5.018	4.894	4.8	4.657	4.603	4.677
1432606	at	2610012C04Rik	AI120134	NA	1	6.256	6.135	6.066	6.270	6.033	5.987	6.045	6.241	6.165	6.183	6.075	6.274	6.176	6.058	6.279	6.016	6.244	5.816	5.878	5.879	5.908	5.768	6.016	5.974
1432607	at	2610012C04Rik	AI120134	NA	1	6.173	5.922	5.965	6.001	5.998	5.999	6.137	6.174	6.069	5.996	6.043	5.996	5.927	5.954	6.176	6.240	6.100	6.056	6.293	6.298	6.180	6.010	6.088	6.185
1432608	at	Nnt	AK019581	Mm.195803	13	5.386	5.283	5.363	5.345	5.082	5.157	5.075	5.313	4.960	5.266	5.194	5.352	5.225	5.169	5.159	5.412	5.406	5.359	5.267	5.257	5.287	5.243	5.399	5.266
1432609	at	NA	AV151863	NA	NA	6.205	6.071	6.101	6.231	6.195	6.102	6.109	6.111	5.939	5.975	6.007	6.206	6.135	6.100	5.915	6.176	6.395	6.130	6.181	6.270	6.410	6.316	6.197	6.072
1432610	at	2900024J01Rik	AV151863	Mm.158892	1	7.189	6.958	6.969	7.200	7.255	6.888	7.082	7.092	7.172	7.065	7.204	7.103	7.015	7.130	7.115	7.312	7.284	7.120	7.218	7.336	7.196	7.295	7.323	7.173
1432611	at	4932430A15Rik	AV275696	Mm.406699	4	7.109	6.477	6.830	7.074	6.659	6.942	6.992	6.846	6.778	6.570	6.877	6.524	6.832	6.751	6.600	6.824	7.003	6.847	6.857	6.995	6.817	6.746	7.041	6.964
1432612	at	Prr15	AA110379	Mm.41984	6	4.535	4.351	4.530	4.533	4.497	4.234	4.345	4.558	4.522	4.409	4.696	4.411	4.628	4.686	4.410	4.425	4.609	4.569	4.732	4.739	4.543	4.416	4.730	4.599
1432613	at	Prr15	AA110379	Mm.41984	6	7.263	6.981	7.102	7.145	7.073	7.164	7.186	7.289	7.083	7.019	7.107	6.986	7.118	7.218	7.085	7.159	7.245	7.170	7.162	7.313	7.151	6.979	7.250	7.156
1432614	at	Wdr37	BB597421	Mm.284654	13	5.553	5.377	5.548	5.330	5.456	5.356	5.290	5.482	5.699	5.352	5.559	5.555	5.602	5.517	5.425	5.370	5.407	5.579	5.586	5.531	5.766	5.500	5.541	5.515
1432615	at	Wdr37	BB597421	Mm.284654	13	6.892	6.501	6.958	6.781	6.510	6.920	6.740	6.777	6.374	6.704	6.783	6.613	6.677	6.729	6.853	6.974	6.755	6.784	6.805	6.917	6.846	6.648	6.924	6.957
1432616	at	4833422B07Rik	AV250295	NA	18	5.197	4.949	5.055	5.071	5.509	5.199	5.205	4.989	5.039	4.809	5.120	4.959	4.991	4.919	5.263	5.073	5.158	5.057	5.156	5.229	4.986	4.933	5.076	5.089
1432617	at	4933424C09Rik	AK016885	NA	5	4.617	4.539	4.827	4.711	4.548	4.706	4.700	4.602	4.625	4.633	4.835	4.631	4.828	4.555	4.658	4.835	4.710	4.813	4.825	4.699	4.754	4.871	4.784	4.778
1432618	at	3110037L02Rik	AK014136	NA	8	5.850	5.718	5.562	5.798	5.627	5.434	5.578	5.880	5.856	5.569	5.843	5.705	5.656	5.755	5.717	5.602	5.906	5.659	5.763	5.732	5.604	5.573	5.750	5.725
1432619	at	3110037L02Rik	AK014136	NA	8	5.754	5.401	5.731	5.584	5.474	5.589	5.555	5.522	5.743	5.493	5.571	5.589	5.572	5.743	5.497	5.673	5.847	5.573	5.855	5.594	5.738	5.726	5.709	5.645
1432620	at	3110037L02Rik	BB522219	NA	NA	6.277	6.260	6.44	6.652	6.315	6.39	6.284	6.632	6.234	6.39	6.284	6.632	6.234	6.39	6.284	6.632	6.234	6.39	6.284	6.632	6.234	6.39	6.284	6.632
1432621	at	5730410E19Rik	AV174454	NA	2	5.961	5.519	5.663	5.714	5.706	5.951	5.664	5.541	5.486	5.659	5.659	5.498	5.415	5.449	5.579	5.580	5.855	5.844	5.571	5.695	5.680	5.551	5.701	5.785
1432622	a at	Supv311	BB646733	Mm.235898	10	5.124	5.123	5.083	5.077	4.988	5.069	4.928	5.165	5.061	4.962	5.280	4.982	5.048	5.149	5.061	5.147	5.043	4.892	5.147	5.116	5.247	5.174	5.201	5.277
1432623	at	Supv311	BB646733	Mm.235898	10	8.657	8.380	8.600	8.480	8.414	8.500	8.557	8.524	8.500	8.353	8.620	8.340	8.452	8.491	8.467	8.702	8.674	8.498	8.591	8.634	8.530	8.498	8.581	8.528
1432624	at	58304487K18Rik	AK018063	NA	16	5.718	5.453	5.395	5.541	5.281	5.431	5.293	5.417	5.513	5.410	5.143	5.387	5.355	5.471	5.294	5.335	5.386	5.470	5.659	5.517	5.488	5.500	5.288	5.457
1432625	at	58304487K18Rik	AK018063	NA	16	8.806	5.581	5.757	5.649	5.496	5.740	5.580	5.613	5.581	5.500	5.484	5.428	5.502	5.578	5.654	5.616	5.784	5.695	5.632	5.744	5.571	5.702	5.583	5.535
1432626	at	5730507A11Rik	BB657886	NA	2	6.920	6.646	6.966	6.931	6.875	6.953	7.146	6.694	6.971	6.858	7.106	6.847	6.749	6.955	6.929	7.039	6.849	7.015	7.086	7.096	6.993	6.683	7.209	7.076
1432627	at	5730507A11Rik	BB657886	NA	2	5.474	5.490	5.731	5.556	5.476	5.584	5.345	5.556	5.522	5.440	5.595	5.493	5.693	5.734	5.716	5.598	5.533	5.699	5.598	5.643	5.563	5.648	5.648	5.648
1432628	at	Chb3	AV315574	Mm.280968	6	6.814	6.670	6.688	6.629	6.501	6.492	6.706	6.755	6.470	6.225	6.554	5.686	6.667	6.603	6.508	6.613	6.625	6.289	6.623	6.625	6.754	6.737	6.675	6.629
1432629	at	Tnks	BB645478	Mm.88364	8	5.392	5.336	5.483	5.538	5.487	5.355	5.641	5.434	5.379	5.283	5.750	5.499	5.534	5.429	5.316	5.504	5.656	5.555	5.485	5.422	5.553	5.566	5.420	5.654
1432630	at	Tnks	BB645478	Mm.88364	8	7.749	7.760	7.593	7.763	7.605	7.581	7.701	7.862	7.748	7.524	7.670	7.657	7.623	7.626	7.758	7.687	8.002	7.668	7.674	7.676	7.753	7.653	7.577	7.664
1432631	at	Prrc1	BB614236	Mm.29889	18	5.873	5.916	5.715	5.925	5.728	5.687	5.705	5.768	6.103	5.725	5.733	5.956	5.741	5.677	5.557	5.655	5.819	5.792	5.531	5.668	6.044	5.015	5.575	5.794
1432632	at	9430063H18Rik	AK020472	Mm.402745	7	6.832	6.422	6.829	6.674	6.676	6.713	6.977	6.613	6.470	6.671	6.658	6.646	6.643	6.491	6.854	6.734	6.792	6.765	6.733	6.849	6.851	6.641	6.735	6.748
1432633	at	9430063H18Rik	AK020472	Mm.402745	7	6.895	6.592	6.827	6.700	6.561	6.716	6.640	6.890	6.893	6.646	6.681	6.658	6.661	6.641	6.744	6.759	6.787	6.742						

1432682	at	5530400K19RIK	AK017425	NA	1	5.309	4.970	5.097	4.946	4.935	5.295	5.124	4.926	4.887	4.945	5.009	5.013	4.872	4.945	5.042	5.269	4.954	5.144	5.049	5.347	5.191	5.205	4.970	5.227
1432683	at	5530400K19RIK	AK017425	NA	1	7.960	7.608	7.798	7.753	7.699	7.778	7.731	7.751	7.750	7.729	7.815	7.603	7.734	7.531	7.743	7.775	7.770	7.693	7.710	7.822	7.757	7.799	7.769	7.949
1432684	at	4921521C08RIK	AK014935	Mm.74689	8	6.743	6.402	6.627	6.557	6.427	6.643	6.481	6.706	6.554	6.415	6.466	6.445	6.660	6.509	6.703	6.682	6.580	6.496	6.616	6.938	6.624	6.281	6.610	6.787
1432685	at	4921521C08RIK	AK014935	Mm.74689	8	5.891	5.589	5.874	6.043	5.823	5.673	5.841	5.750	5.871	5.794	5.829	5.492	5.863	5.873	5.835	5.614	5.708	5.869	5.781	5.900	5.785	5.677	5.858	5.759
1432686	at	4833406M21RIK	AK014658	NA	13	6.370	6.338	7.268	7.078	7.161	7.379	6.951	6.940	6.962	6.849	6.914	7.101	6.948	6.813	6.839	7.286	7.705	7.548	7.380	7.392	7.373	7.145	7.180	7.172
1432687	at	4833406M21RIK	AK014658	NA	13	6.213	6.795	6.254	6.157	6.060	6.192	6.158	6.181	6.121	6.120	6.228	5.883	6.297	6.318	6.312	6.027	6.062	6.237	6.164	6.340	5.992	6.033	6.205	6.107
1432688	at	4631422I05RIK	AK014529	Mm.398554	13	4.471	4.198	4.330	4.430	4.369	4.353	4.495	4.306	4.206	4.269	4.399	4.202	4.191	4.326	4.355	4.289	4.329	4.244	4.237	4.418	4.244	4.219	4.286	4.301
1432689	at	4631422I05RIK	AK014529	Mm.398554	13	7.105	6.379	6.957	6.935	6.695	6.911	6.937	6.825	6.887	6.603	7.001	6.386	7.022	6.892	6.604	6.840	6.449	6.605	6.858	6.752	6.877	6.601	7.062	6.939
1432690	at	9030407C09RIK	AK018489	NA	2	4.314	4.231	4.296	4.442	4.229	4.281	4.465	4.250	4.224	4.142	4.373	4.192	4.418	4.244	4.180	4.343	4.569	4.392	4.476	4.437	4.202	4.433	4.667	4.179
1432691	at	9030407C09RIK	AK018489	NA	2	6.020	5.478	5.835	5.673	5.677	5.747	5.912	5.313	5.651	5.486	5.720	5.505	5.441	5.772	5.924	5.903	5.654	5.828	5.784	6.025	5.750	5.647	5.773	5.999
1432692	at	4930517G19RIK	AK015812	Mm.444724	6	5.270	5.161	5.255	5.280	5.232	5.222	5.268	5.395	5.371	5.221	5.545	5.098	5.277	5.248	5.286	5.459	5.292	5.190	5.270	5.430	5.432	5.150	5.221	5.490
1432693	at	4930517G19RIK	AK015812	Mm.444724	6	8.096	7.753	7.985	8.080	7.929	8.010	8.014	8.028	7.962	7.851	7.963	7.680	7.953	8.145	7.946	8.122	7.890	7.897	7.950	8.237	8.160	7.716	8.194	7.968
1432694	at	4921527H02RIK	AK014973	NA	3	6.694	6.328	6.550	6.514	6.509	6.596	6.714	6.460	6.362	6.546	6.634	6.528	6.386	6.474	6.642	6.644	6.473	6.642	6.746	6.616	6.637	6.515	6.769	6.813
1432695	at	4921527H02RIK	AK014973	NA	3	4.145	3.928	4.182	4.203	4.144	4.126	4.417	4.303	4.131	4.064	4.112	4.106	4.208	4.150	4.165	4.122	4.115	4.264	4.217	4.144	4.239	4.349	4.444	4.173
1432696	at	5830431M20RIK	AK017960	NA	6	5.940	5.397	5.958	5.719	5.527	5.812	5.911	5.829	5.553	5.494	5.834	5.341	5.696	5.697	5.487	5.842	5.754	5.615	5.794	5.836	5.941	5.688	5.903	5.756
1432697	at	5830431M20RIK	AK017960	NA	6	4.893	4.758	4.695	4.757	5.045	5.209	4.973	4.889	4.797	4.424	5.043	4.813	4.961	4.866	4.829	5.093	4.724	4.934	5.178	5.162	5.002	4.882	5.012	4.956
1432698	at	29000024121RIK	AK013589	NA	14	6.910	6.732	6.754	6.865	7.255	6.722	6.844	7.028	6.831	7.023	6.860	6.688	7.077	6.909	6.809	6.867	6.901	6.858	6.912	7.171	6.975	6.696	6.719	6.831
1432699	at	29000024121RIK	AK013589	NA	14	7.506	7.166	7.534	7.626	7.354	7.356	7.485	7.565	7.514	7.186	7.630	7.442	7.423	7.733	7.427	7.488	7.567	7.458	7.565	7.446	7.622	7.484	7.604	7.602
1432700	at	2810047J09RIK	AV139557	NA	11	4.275	4.227	4.362	4.312	4.329	4.448	4.365	4.328	4.197	4.138	4.312	4.313	4.221	4.255	4.278	4.316	4.346	4.324	4.409	4.548	4.580	4.365	4.309	4.342
1432701	at	2810403G07RIK	AK012974	Mm.438578	13	5.795	5.430	5.654	5.503	5.457	5.452	5.719	5.428	5.334	5.446	5.783	5.367	5.385	5.690	5.454	5.525	5.336	5.333	5.365	5.913	5.350	5.471	5.414	5.427
1432702	at	2810403G07RIK	AK012974	Mm.438578	13	7.566	7.509	7.406	7.630	7.455	7.701	7.597	7.697	7.699	7.601	7.480	7.544	7.545	7.570	7.640	7.469	7.551	7.610	7.630	7.613	7.495	7.436	7.549	7.447
1432703	at	5730405A17RIK	AK017489	Mm.390042	8	6.561	6.128	6.688	6.588	6.538	6.578	6.610	6.637	6.489	6.256	6.464	6.330	6.519	6.365	6.233	6.645	6.533	6.443	6.582	6.609	6.882	6.513	6.516	6.505
1432704	at	5730405A17RIK	AK017489	Mm.390042	8	7.596	6.988	7.331	7.326	7.112	7.236	7.695	7.289	7.258	7.104	7.212	7.111	7.119	7.136	7.259	7.352	7.275	7.157	7.174	7.438	7.506	7.366	7.377	7.469
1432705	at	5330428N10RIK	AK019917	NA	10	4.688	4.571	4.600	4.572	4.431	4.570	4.587	4.674	4.628	4.582	4.474	4.502	4.442	4.498	4.676	4.680	4.559	4.597	4.541	4.541	4.718	4.637	4.639	4.594
1432706	at	5330428N10RIK	AK019917	NA	10	5.276	5.036	4.969	5.266	5.041	5.084	5.033	5.003	5.033	5.038	5.062	5.174	5.219	5.044	5.060	4.756	4.905	4.959	5.099	5.049	5.146	5.026	5.130	5.148
1432707	at	Phnd	AK015074	Mm.16898	3	5.778	5.674	5.464	5.454	5.573	5.793	5.885	5.503	5.533	5.607	5.761	5.501	5.630	5.928	5.706	5.642	5.553	5.421	5.499	5.734	5.673	5.563	5.950	5.562
1432708	at	4930505019RIK	Lrrn1	NA	15	5.400	4.963	5.353	5.080	5.124	4.990	5.182	5.266	5.061	5.181	5.182	5.220	5.032	5.211	5.295	5.058	5.095	5.234	5.156	5.288	5.338	5.316	5.220	5.238
1432710	at	4930505019RIK	AK015710	Mm.364675	15	5.355	5.284	5.522	5.297	5.265	5.062	5.233	5.142	5.169	5.219	5.116	5.279	5.208	5.245	5.189	5.093	5.095	5.234	5.156	5.288	5.338	5.316	5.220	5.238
1432711	at	4933425M03RIK	AK016922	Mm.67631	3	6.536	6.403	6.223	6.329	6.248	6.209	6.279	6.192	6.485	6.051	6.256	6.296	6.192	6.152	6.290	6.250	6.190	6.383	6.474	6.263	6.262	6.112	6.397	6.406
1432712	at	4933425M03RIK	AK016922	Mm.67631	3	7.404	7.287	7.370	7.454	7.248	7.428	7.366	7.164	7.288	7.165	7.445	7.186	7.353	7.425	7.219	7.526	7.114	7.189	7.282	7.599	7.598	7.276	7.472	7.334
1432713	at	6430709C05RIK	AK018300	NA	10	5.647	5.584	5.796	5.869	5.748	5.716	5.813	5.584	5.471	5.503	5.939	5.606	5.770	5.547	5.688	5.821	5.710	5.655	5.725	5.780	5.851	5.571	5.673	5.652
1432714	at	6430709C05RIK	AK018300	NA	10	4.575	4.385	4.610	4.646	4.559	4.532	4.636	4.776	4.468	4.481	4.689	4.599	4.558	4.462	4.571	4.615	4.629	4.676	4.800	4.651	4.402	4.429	4.582	4.546
1432715	at	Lrrn1	AK012914	Mm.428543	6	5.794	5.667	5.810	5.517	5.713	5.672	5.933	5.770	5.808	5.717	5.759	5.723	5.721	5.714	5.601	6.037	5.741	5.751	5.737	5.796	5.785	5.781	5.676	5.999
1432716	at	1810015A16RIK	AK007504	NA	6	6.486	6.323	6.542	6.465	6.320	6.461	6.382	6.517	6.484	6.267	6.364	6.273	6.426	6.405	6.364	6.403	6.584	6.278	6.511	6.547	6.373	6.298	6.588	6.285
1432717	at	1810015A16RIK	AK007504	NA	6	6.712	6.580	6.701	6.642	6.553	6.424	6.541	6.676	6.601	6.380	6.633	6.500	6.572	6.554	6.294	6.647	6.608	6.540	6.635	6.717	6.603	6.462	6.674	6.506
1432718	at	1810015A16RIK	AK014687	NA	1	7.845	7.474	7.587	7.574	7.504	7.725	7.637	7.545	7.431	7.079	7.458	7.397	7.257	7.443	7.497	7.714	7.522	7.515	7.653	7.589	7.436	7.305	7.761	7.678
1432719	at	4833412K13RIK	AK014687	NA	1	5.185	4.925	5.119	5.036	5.133	5.110	5.117	5.000	4.932	5.010	5.258	4.807	5.120	5.023	5.105	5.281	4.981	5.159	5.155	5.450	5.212	4.937	4.972	5.191
1432721	at	5830424K16RIK	AV314786	X	4	7.05	6.685	6.606	6.471	7.468	4.933	4.779	4.743	4.704	4.646	4.687	4.639	4.728	4.607	4.718	4.770	4.711	4.722	4.737	4.739	4.755	4.743	4.763	4.737
1432722	at	4933408K01RIK	AK016740	NA	3	6.041	5.675	5.744	5.875	5.854	5.676	5.903	5.649	5.824	5.656	5.917	5.676	5.626	6.015	5.797	5.794	5.852	5.594	5.770	5.928	5.737	5.400	5.733	5.791
1432723	at	4933408K01RIK	AK016740	NA	3	5.912	5.615	5.887	5.498	5.912	5.992	6.112	6.106	5.945	6.133	5.845	6.025	5.985	6.165	5.904	6.085	6.158	6.025	6.180	6.158	6.025	5.920	5.848	5.966
1432724	at	4930445G23RIK	AK015390	Mm.372753	6	4.430	4.910	5.302	5.13																				

1432771	at	0610040A22Rik	AK002557	Mm.261564	13	6.155	6.006	6.117	6.234	6.166	6.131	6.189	6.337	6.341	6.134	6.216	6.350	6.163	6.188	6.217	6.157	6.182	6.299	6.181	6.067	5.764	6.208	6.305		
1432772	at	1700081H04Rik	AV205672	Mm.410863	5	5.455	5.354	5.457	5.266	5.403	5.168	5.445	5.464	5.520	5.145	5.251	5.488	5.372	5.433	5.370	5.381	5.559	5.385	5.658	5.269	5.460	5.360	5.532	5.283	
1432773	at	2610105M22Rik	AK011823	NA	9	5.573	5.195	5.428	5.246	5.155	5.262	5.342	5.173	5.232	4.969	5.546	5.087	5.125	5.259	5.260	5.258	5.101	5.168	5.338	5.144	5.152	5.188	5.407	5.317	
1432774	at	2610105M22Rik	AK011823	NA	9	6.608	6.283	6.345	6.341	6.429	6.532	6.520	6.624	6.509	6.329	6.495	6.514	6.446	6.327	6.554	6.569	6.633	6.574	6.635	6.731	6.596	6.494	6.610	6.690	
1432775	at	9430087J23Rik	AK020511	NA	1	5.389	5.267	5.242	5.353	5.157	5.310	5.216	5.061	5.174	5.184	5.183	5.129	5.156	5.093	5.136	5.177	5.124	5.100	5.134	5.238	5.107	5.330	5.202		
1432776	at	9430087J23Rik	AK020511	NA	1	5.289	5.265	6.35	6.321	6.377	6.367	6.372	6.313	6.383	6.173	6.363	6.173	6.476	6.456	6.463	6.510	6.405	6.369	6.485	6.617	6.392	6.462	6.455	6.379	
1432777	at	9430083J07Rik	AK020453	Mm.71062	9	5.080	4.729	4.990	5.123	4.781	4.949	5.145	4.857	4.825	4.904	5.157	4.968	5.007	4.841	4.969	5.024	4.999	5.039	5.204	5.020	4.920	4.962	5.028	5.049	
1432778	at	9430083J07Rik	AK020453	Mm.71062	9	5.671	5.279	5.594	5.722	5.565	5.612	5.545	5.529	5.869	5.596	5.711	5.527	5.691	5.638	5.268	5.748	5.861	5.509	5.554	5.782	5.714	5.598	5.709	5.825	
1432779	at	1700037N05Rik	AK006624	NA	3	7.211	6.866	7.038	6.933	6.853	6.807	6.957	6.924	6.910	6.818	7.037	7.134	6.757	6.832	7.017	6.979	6.856	6.992	6.950	6.960	7.048	6.994	6.862	6.992	
1432780	at	1700037N05Rik	AK006624	NA	3	6.712	6.601	6.831	6.667	6.780	6.923	6.740	6.595	6.879	6.673	6.657	6.763	6.637	6.650	6.963	6.708	6.606	6.692	6.786	6.920	7.030	6.721	6.784	6.738	
1432781	at	Intou	AV381549	Mm.105309	3	7.474	7.254	7.455	7.405	7.374	7.380	7.657	7.774	7.423	7.400	7.462	7.238	7.382	7.380	7.278	7.303	7.562	7.286	7.503	7.606	7.686	7.373	7.772	7.655	
1432782	at	4933435C09Rik	AK017064	NA	12	6.795	6.499	6.597	6.666	6.812	6.488	6.655	6.767	6.625	6.558	6.655	6.782	6.756	6.689	6.590	6.714	6.862	6.635	6.546	6.727	6.649	6.595	6.944	6.485	
1432783	at	4930556A17Rik	AK019768	Mm.445939	3	5.261	5.019	5.171	5.279	5.256	5.266	5.301	5.246	5.229	5.026	5.189	5.148	5.200	5.257	5.217	5.181	5.120	5.015	5.364	5.282	5.312	5.344	5.350	5.207	
1432784	at	4930556A17Rik	AK019768	Mm.445939	3	7.075	6.829	7.052	6.863	7.081	6.952	6.902	6.896	7.088	6.894	7.136	7.021	6.957	6.969	7.235	7.083	7.060	7.032	7.069	7.260	7.028	6.949	7.144	7.069	
1432785	at	A930028011Rik	BB280937	NA	3	6.905	6.597	6.873	6.922	6.788	6.892	6.953	6.997	6.873	6.528	6.796	6.573	6.676	6.920	6.720	6.798	6.584	6.778	6.839	6.834	6.777	6.774	6.970	6.945	
1432786	at	4833420D23Rik	AK014733	Mm.410841	18	6.393	6.045	6.392	6.276	6.134	6.100	6.239	6.208	6.065	6.041	6.304	6.066	6.228	6.238	6.109	6.445	6.086	5.974	6.178	6.324	6.358	6.116	6.360	6.207	
1432787	at	6720420G18Rik	AK020112	Mm.446079	5	7.921	7.742	7.596	7.597	7.945	7.785	7.544	7.486	7.510	7.637	8.034	7.382	7.503	7.114	7.846	7.596	7.765	7.559	7.939	8.202	7.446	7.600	7.698	8.233	
1432788	at	6720420G18Rik	AK020112	Mm.446079	5	5.671	5.259	5.731	5.497	5.524	5.647	5.525	5.512	5.512	5.377	6.049	5.405	5.368	5.562	5.524	5.491	5.594	5.525	5.600	5.570	5.387	5.499	5.511	5.520	
1432789	at	9030476119Rik	BB068813	NA	15	5.354	4.844	5.045	5.097	5.080	5.027	5.313	5.102	4.823	4.926	5.014	4.875	4.852	5.034	5.052	5.029	5.131	5.094	5.197	5.136	5.013	5.157	5.264	5.180	
1432790	at	9030218A15Rik	AK020251	NA	3	5.777	5.504	5.829	5.740	5.583	5.608	5.766	5.761	5.611	5.698	5.736	5.813	5.668	5.491	5.721	5.827	5.829	5.817	5.671	5.422	5.814	5.745	5.733	5.816	
1432791	at	9030218A15Rik	AK020251	NA	3	4.208	4.009	4.033	3.982	4.082	4.064	4.182	4.086	4.132	4.104	4.253	4.086	4.170	4.147	4.183	4.052	4.114	4.123	4.029	4.151	4.175	4.256	4.200	4.196	
1432792	at	4930401B11Rik	AK015030	Mm.360091	2	4.913	4.805	4.858	5.056	4.801	5.122	4.910	4.837	4.704	4.766	4.762	4.824	4.671	4.791	4.841	4.982	4.899	4.829	5.227	4.953	4.869	4.838	4.914	4.798	
1432793	at	4930401B11Rik	AK015030	Mm.360091	2	6.738	6.522	6.676	6.624	6.490	6.656	6.554	6.539	6.585	6.426	6.816	6.401	6.606	6.478	6.529	6.592	6.495	6.669	6.612	6.785	6.594	6.521	6.732	6.620	
1432794	at	2310058F05Rik	AK009978	NA	X	4.501	4.212	4.338	4.161	4.214	4.133	4.021	4.079	4.164	4.350	4.224	4.182	4.383	4.204	4.255	4.292	4.188	4.211	4.271	4.206	4.103	4.194	4.111	4.475	
1432795	at	2310058F05Rik	AK009978	NA	X	5.898	5.240	5.371	5.422	5.777	5.439	5.561	5.512	5.456	5.360	5.357	5.385	5.521	5.482	5.363	5.789	5.677	5.459	5.679	5.615	5.490	5.465	5.406	5.665	
1432796	at	3110067C02Rik	AV168333	NA	X	4.548	4.560	4.651	4.642	4.684	4.877	4.663	4.668	4.485	4.687	4.711	4.550	4.702	4.567	4.542	4.728	4.678	4.664	4.782	4.730	4.629	4.466	4.711	4.825	
1432797	at	2900606N12Rik	AK020568	Mm.475657	12	6.638	6.350	6.428	6.442	6.588	6.555	6.492	6.428	6.573	6.506	6.277	6.340	6.377	6.378	6.578	6.615	6.524	6.703	6.589	6.534	6.537	6.530	6.530	6.537	
1432798	at	9030023119Rik	AK020568	Mm.475657	2	8.14	6.663	6.912	6.749	6.969	6.914	6.822	6.460	6.526	6.504	5.526	5.556	5.566	5.566	5.566	5.566	5.566	5.566	5.566	5.566	5.566	5.566	5.566	5.566	
1432799	at	C030011G24Rik	AK021063	NA	2	6.144	5.735	5.923	5.873	5.825	6.230	6.042	5.609	5.659	5.819	5.626	5.655	5.881	5.710	5.828	5.963	5.922	5.756	5.953	6.108	5.879	6.032	5.980	5.784	
1432800	at	C030011G24Rik	AK021063	NA	2	7.035	6.461	6.922	6.621	6.773	6.885	6.525	6.711	6.563	6.567	6.655	6.446	6.698	6.594	6.714	6.596	6.739	6.677	6.721	7.038	6.702	6.577	6.984	6.703	
1432801	at	4833418C01Rik	AV261123	Mm.444675	19	6.819	6.523	6.740	6.808	6.710	6.637	6.784	6.826	6.601	6.576	6.890	6.645	6.740	6.750	6.471	6.791	6.704	6.852	6.583	6.990	6.832	6.831	6.608	6.793	
1432802	at	9230106L01Rik	AK020322	Mm.99596	16	5.259	5.100	5.237	5.346	5.080	5.077	5.277	5.115	5.054	5.094	5.156	5.113	5.142	5.139	5.049	5.192	5.123	5.123	5.117	5.146	5.167	5.183	5.154	5.332	
1432803	at	A230101C19Rik	AK020705	Mm.403756	11	5.448	5.246	5.601	5.284	5.372	5.484	5.359	5.389	5.159	5.192	5.343	5.208	5.353	5.354	5.290	5.481	5.268	5.240	5.356	5.544	5.452	5.324	5.528	3.568	
1432804	at	A230101C19Rik	AK020705	Mm.403756	11	4.718	4.467	4.579	4.500	4.588	4.693	4.646	4.488	4.692	4.419	4.511	4.478	4.529	4.530	4.626	4.711	4.491	4.594	4.425	4.715	4.488	4.494	4.589	4.586	
1432805	at	9030431A08Rik	AK020529	NA	10	9.033	8.427	8.652	9.701	8.696	8.932	9.922	9.379	8.581	8.737	8.938	8.737	8.938	8.737	8.938	8.737	8.938	8.737	8.938	8.737	8.938	8.737	8.938	8.737	
1432806	at	9430099H24Rik	AK020529	NA	3	6.502	6.338	6.499	6.590	6.562	6.368	6.722	6.612	6.436	6.423	6.569	6.536	6.502	6.556	6.395	6.611	6.632	6.514	6.811	6.709	6.583	6.557	6.718	6.663	
1432807	at	5830426K05Rik	AK017949	Mm.437551	11	5.120	5.052	5.106	4.973	5.125	4.977	5.075	5.130	5.135	5.196	5.044	4.994	4.975	4.987	5.128	5.083	5.048	4.964	5.009	4.923	4.990	5.166	4.951	4.833	
1432808	at	5830426K05Rik	AK017949	Mm.437551	11	7.056	6.718	6.912	6.890	7.063	6.989	6.851	6.917	6.987	6.783	6.836	6.953	6.995	6.697	6.755	6.982	6.835	6.830	6.867	7.057	6.898	7.112	7.035	7.137	
1432809	at	1700113P08Rik	AK007203	Mm.37581	12	4.068	3.884	4.016	3.909	4.021	3.887	3.870	4.014	3.971	3.971	3.987	4.018	4.010	4.297	4.001	4.007	4.018	4.098	4.341	4.047	4.271	4.081	4.121	4.049	4.077
1432810	at	1700113P08Rik	AK007203	Mm.37581	12	6.696	6.609	6.572	6.692	6.747	6.627	6.620	6.823	6.657	6.609	6.825	6.485	6.717	6.644	6.710	6.654	6.672	6.642	6.737	6.706	6.703	6.551	6.569	6.789	
1432811	at	9530025L08Rik	BB110590	NA	19																									

1432860	at	Panx3	AK014690	Mm.217159	9	5.871	5.839	5.846	6.117	5.858	5.869	5.997	5.708	5.854	5.809	5.853	5.726	5.829	6.027	5.695	5.952	5.947	5.866	5.864	5.997	5.857	5.934	5.818		
1432861	at	2900046F19Rik	AW146388	NA	2	5.563	5.304	5.455	5.483	5.535	5.281	5.327	5.537	5.386	5.159	5.592	5.206	5.264	5.389	5.223	5.337	5.452	5.370	5.372	5.468	5.316	5.307	5.373	5.230	
1432862	at	Nkx-2	BB564354	Mm.315498	2	7.564	7.633	7.342	7.341	7.463	7.542	7.294	7.638	7.515	7.268	7.639	7.293	7.506	7.526	7.436	7.540	7.595	7.539	7.664	7.616	7.655	7.494	7.560	7.452	
1432863	a	Nkx-2	BB564354	Mm.315498	2	7.613	6.488	6.543	6.552	6.453	6.566	6.890	6.690	6.710	6.589	6.401	6.640	6.567	6.589	6.558	6.616	6.679	6.714	6.540	6.692	6.744	6.602	6.593	6.745	6.656
1432864	at	D730050C22Rik	AK021350	NA	4	6.387	6.602	7.054	7.137	7.005	6.938	7.015	6.978	7.189	6.792	7.018	6.742	7.068	7.076	7.150	6.995	6.804	7.164	7.141	7.237	7.098	7.078	7.168	7.085	
1432865	at	D730050C22Rik	AK021359	NA	4	4.312	4.068	4.185	4.304	4.246	4.070	4.336	4.209	4.079	4.164	4.184	4.144	4.252	4.247	4.096	4.254	4.341	4.168	4.320	4.168	4.176	4.193	4.139	4.355	
1432866	at	6030424K20Rik	BB630823	Mm.257120	1	5.444	5.086	5.633	5.505	5.510	5.613	5.602	5.740	5.508	5.340	5.489	5.525	5.536	5.498	5.422	5.519	5.560	5.510	5.565	5.562	5.564	5.552	5.528	5.402	
1432867	at	9321120117Rik	BB174628	Mm.410770	9	5.933	5.833	5.869	5.943	5.865	5.839	5.975	6.013	5.876	5.730	5.964	5.766	5.952	5.915	5.749	5.959	5.842	5.718	5.887	5.661	5.960	5.807	5.939	5.869	
1432868	at	Dzip3	AK009865	Mm.275138	16	7.814	7.668	7.535	7.769	7.750	7.713	7.778	7.599	7.634	7.631	7.837	7.644	7.731	7.636	7.787	7.765	7.856	7.589	7.777	7.982	7.870	7.526	7.668	7.645	
1432869	at	4932432N04Rik	AK016541	NA	9	6.325	5.847	6.020	6.118	6.105	5.946	6.133	6.070	6.247	5.938	6.047	5.970	5.960	6.016	6.094	6.229	6.071	6.297	6.230	6.023	6.241	6.391	6.199	6.162	
1432870	at	4932429P19Rik	AK016536	Mm.387411	12	6.366	6.063	6.234	6.222	6.029	6.148	6.206	6.313	6.174	5.643	6.154	6.010	6.149	6.089	6.073	6.067	6.133	6.173	6.197	6.286	6.379	6.147	6.121	6.243	
1432871	at	4932429P19Rik	AK016536	Mm.387411	12	7.898	7.586	7.877	7.709	7.578	7.811	7.855	7.698	7.773	7.594	7.932	7.883	7.714	7.857	7.795	7.896	7.467	7.538	7.851	7.772	7.727	7.562	7.869	7.636	
1432872	at	4932702M13Rik	AK016579	NA	4	5.441	5.073	5.218	5.348	5.206	5.100	5.415	5.268	5.369	5.303	5.505	5.269	5.236	5.214	5.350	5.473	5.251	5.473	5.405	5.224	5.518	5.245	5.397	5.352	
1432873	at	4932702M13Rik	AK016579	NA	4	4.039	4.082	4.266	4.241	4.272	4.294	4.180	4.213	4.161	4.012	4.064	4.081	4.168	4.096	4.214	4.095	4.152	4.393	4.222	4.324	4.297	4.182	4.357	4.189	
1432874	at	4632404M16Rik	AK014550	NA	3	5.610	5.335	5.893	5.939	5.673	5.705	5.663	5.644	5.692	5.661	5.708	5.650	5.760	5.846	5.776	5.717	5.600	5.754	5.746	5.791	5.617	5.631	5.637	5.902	
1432875	at	4632409D06Rik	AK014560	NA	5	5.075	4.782	4.796	4.852	4.756	4.847	4.876	4.919	4.818	4.689	5.286	4.733	4.872	4.757	4.951	4.918	5.037	4.794	4.912	5.073	4.791	4.620	4.966	4.896	
1432876	at	46324118H02Rik	AK019501	NA	9	7.667	7.633	7.866	7.765	7.700	7.557	7.676	7.927	7.689	7.411	7.501	7.688	7.594	7.679	7.680	7.848	7.577	7.681	7.643	7.785	7.663	7.510	7.882	7.732	
1432877	at	4930544N03Rik	AK019739	NA	4	5.907	5.825	5.879	5.950	5.805	5.905	5.853	5.602	5.752	5.639	6.063	5.776	5.713	5.936	5.852	5.948	5.793	6.057	6.073	5.998	5.885	5.708	5.921	5.997	
1432878	at	4930544N03Rik	AK019739	NA	4	5.413	5.139	5.268	5.134	5.196	5.282	5.083	5.067	5.104	4.962	5.243	4.916	5.179	4.944	5.211	5.260	5.659	5.284	5.378	5.443	5.471	5.380	5.335	5.065	
1432879	at	6820402A03Rik	AK018356	NA	1	5.516	5.039	5.243	5.357	5.279	5.203	5.516	5.408	5.115	5.198	5.322	5.265	5.476	5.322	5.395	5.346	5.260	5.282	5.500	5.493	5.526	5.211	5.484	5.410	
1432880	at	6820402A03Rik	AK018356	NA	1	6.461	6.430	6.452	6.374	6.396	6.611	6.642	6.187	6.034	6.148	6.194	6.599	6.369	6.314	6.350	6.520	6.320	6.247	6.365	6.259	6.198	6.408	6.241		
1432881	at	4932437C15Rik	AK016552	NA	7	5.927	5.421	5.784	5.624	5.408	5.709	5.468	5.693	5.407	5.349	5.468	5.508	5.699	5.569	5.778	5.716	5.647	5.512	5.823	5.888	5.714	5.682	5.528	5.897	
1432882	at	4932431P20Rik	AK016539	Mm.424874	7	8.286	8.089	8.169	8.048	8.068	8.021	8.338	8.166	8.109	8.015	8.272	7.987	8.050	8.369	8.098	8.039	8.147	7.964	8.298	8.346	8.124	8.142	8.306	8.092	
1432883	at	4932431P20Rik	AK016539	Mm.424874	7	4.376	4.371	4.249	4.425	4.235	4.166	4.371	4.357	4.188	4.289	4.210	4.278	4.280	4.229	4.226	4.264	4.254	4.343	4.284	4.202	4.149	4.781	4.342	4.297	
1432884	at	2010003H20Rik	AK008065	Mm.158781	2	4.809	4.526	4.592	4.733	4.718	4.910	4.694	4.826	4.800	4.708	4.866	4.859	4.890	4.762	4.755	4.794	4.919	4.773	4.787	4.645	4.961	4.797	4.845	4.741	
1432885	at	4632432E15Rik	AK014604	NA	3	5.110	5.037	5.184	5.183	4.890	5.031	5.096	4.909	5.112	4.985	4.873	5.019	5.107	4.866	5.020	5.116	4.982	5.009	4.915	5.014	4.829	5.029	4.906	5.414	
1432886	at	5735896111Rik	Mm.458273	NA	15	6.890	6.796	7.043	6.920	6.879	7.063	6.974	6.868	6.665	5.998	7.421	6.965	6.925	6.982	6.979	6.929	6.936	6.925	6.984	6.919	6.962	6.871	7.190		
1432887	at	1001048L19Rik	AK014195	Mm.111219	17	4.872	4.593	4.757	4.585	4.555	4.548	4.585	4.703	4.623	4.624	4.681	4.668	4.408	4.673	4.681	4.867	4.731	4.570	4.765	4.836	4.719	4.916	4.938		
1432888	at	4930455M05Rik	AK019632	NA	13	7.295	6.745	7.120	7.120	7.142	7.049	7.100	7.164	6.968	6.837	6.868	7.054	6.969	6.990	6.960	7.044	7.117	6.990	7.139	7.193	7.168	7.352	7.016	7.169	7.121
1432889	at	4930466I24Rik	AK015514	NA	6	6.419	6.227	6.250	6.269	6.240	6.213	6.331	6.224	6.110	6.235	6.178	6.182	6.369	6.141	6.518	6.214	6.230	6.325	6.277	6.252	6.320	6.145	6.291	6.197	
1432890	at	2610011E03Rik	AK013175	NA	5	5.430	5.152	5.091	5.160	5.217	4.975	5.072	5.343	5.288	5.104	5.272	5.200	5.232	5.333	5.209	5.029	5.179	5.250	5.296	5.257	5.357	5.038	5.189	4.932	
1432891	at	Dhrs7	AK017856	Mm.289653	12	5.913	5.654	5.942	5.742	5.657	5.874	5.894	5.992	5.735	5.688	5.570	5.561	5.542	5.822	5.988	5.860	5.819	5.851	6.006	5.898	6.121	5.636	5.825	5.993	
1432892	at	Dhrs7	AK017856	Mm.289653	12	5.219	5.098	4.868	5.205	5.073	4.763	4.867	4.994	5.101	5.062	4.964	4.964	5.059	5.174	5.040	5.012	5.192	5.054	5.050	5.198	5.033	5.015	5.109	4.865	4.974
1432893	at	9130011L11Rik	AK018612	NA	1	7.584	6.852	7.570	7.392	7.136	7.499	7.501	7.377	7.221	7.215	7.386	7.146	7.294	7.219	7.295	7.443	7.153	7.506	7.462	7.708	7.651	7.309	7.654	7.513	
1432894	at	9130011L11Rik	AK018612	NA	1	6.890	6.796	7.043	6.920	6.879	7.063	6.974	6.868	6.665	5.998	7.421	6.965	6.925	6.982	6.979	6.929	6.936	6.925	6.984	6.919	6.962	6.871	7.190		
1432895	at	9030409K20Rik	AK018498	NA	6	4.945	4.695	4.719	4.920	4.519	4.700	4.773	4.775	4.875	4.741	4.700	4.662	4.693	4.796	4.617	4.872	4.659	4.971	4.762	5.044	4.782	4.697	4.717	5.048	
1432896	at	9030409K20Rik	AK018498	NA	6	5.975	5.575	5.828	5.913	5.824	5.911	5.886	5.915	5.599	5.567	5.700	5.638	5.858	5.741	5.686	5.941	5.781	6.080	6.026	6.025	5.838	6.061	5.869		
1432897	at	4930435N07Rik	AK015328	Mm.427306	8	5.039	5.195	5.215	5.044	5.040	5.017	4.884	5.046	5.109	5.063	5.045	5.072	5.136	5.072	5.043	5.081	5.084	5.030	4.956	5.211	4.881	5.089	4.966	5.070	
1432898	at	4930544L18Rik	AK016038	NA	14	5.062	4.782	5.038	5.027	4.948	5.025	5.172	4.970	4.899	5.051	5.129	4.730	4.859	5.090	5.070	5.164	5.128	4.995	5.062	5.141	5.009	4.775	5.253	5.095	
1432899	at	4833408G04Rik	AK014666	NA	3	7.459	7.020	7.290	7.279	7.189	7.564	7.128	7.091	7.115	7.203	7.138	7.109	7.248	7.152	7.159	7.189	7.288	7.457	7.320	7.500	7.385	7.345			
1432900	at	EtI4	AK018352	Mm.237935	2	6.194	6.254	6.429	6.503	6.380	6.354	6.251	6.329	6.364	6.251	6.466	6.336	6.281	6.375											

1432949	at	5330421F21Rik	AK019902	NA	4	7.015	6.498	6.803	6.947	6.791	6.776	6.858	6.932	6.613	6.524	6.841	6.627	6.790	6.860	6.945	6.805	6.942	6.870	6.877	7.065	6.793	6.789	6.978	6.895
1432950	at	5330421F21Rik	AK019902	NA	4	4.788	4.710	5.370	5.243	4.891	5.154	5.101	5.180	4.941	5.012	5.279	4.947	5.174	4.957	5.140	5.261	5.147	5.181	5.120	4.911	5.125	5.022	5.307	5.165
1432951	at	4930448E22Rik	AK015416	Mm.417189	9	6.176	5.983	6.141	6.276	6.060	6.138	6.206	5.977	6.117	6.156	6.267	5.973	6.243	6.144	6.051	6.214	6.033	6.105	6.171	6.285	6.095	6.071	6.284	6.074
1432952	at	4930448E22Rik	AK015416	Mm.417189	9	5.602	5.638	5.825	5.560	5.531	5.495	5.621	5.527	5.566	5.547	5.585	5.478	5.518	5.631	5.753	5.581	5.488	5.586	5.730	5.563	5.736	5.563	5.722	
1432953	at	4930448E22Rik	AK015416	Mm.417189	7	4.549	4.346	4.528	4.350	4.476	4.762	4.477	4.451	4.413	4.281	4.449	4.301	4.318	4.358	4.325	4.622	4.501	4.509	4.801	4.727	4.704	4.486	4.385	
1432954	at	4921250E09Rik	AK014928	NA	7	6.592	6.273	6.365	6.621	6.440	6.715	6.540	6.595	6.348	6.261	6.457	6.319	6.457	6.457	6.455	6.685	6.589	6.614	6.504	6.529	6.678	6.483	6.434	
1432955	at	4930444K16Rik	AK015382	NA	10	7.137	6.641	7.017	6.954	6.883	6.777	6.540	6.786	6.809	6.735	6.851	6.776	6.822	6.933	6.863	6.926	7.010	6.950	6.825	6.817	7.218	6.889	7.007	6.917
1432956	at	4930444K16Rik	AK015382	NA	10	4.335	4.192	4.335	4.251	4.211	4.234	4.271	4.446	4.412	3.991	4.237	4.142	4.322	4.140	4.265	4.272	4.262	4.238	4.235	4.257	4.174	4.209	4.460	4.536
1432957	at	5730407O05Rik	AK017518	NA	X	4.106	3.724	4.083	3.926	3.936	4.160	3.956	3.931	4.035	3.880	3.883	3.814	3.936	3.935	4.042	3.969	3.810	3.985	3.886	3.954	4.057	3.754	4.115	4.076
1432958	at	5730407O05Rik	AK017518	NA	X	4.266	4.425	4.363	4.260	4.461	4.311	4.442	4.416	4.400	4.429	4.435	4.286	4.439	4.373	4.346	4.322	4.375	4.348	4.332	4.302	4.441	4.398	4.449	4.419
1432959	at	4930447I22Rik	AK015406	Mm.160301	8	7.314	7.037	7.292	7.258	7.363	7.376	7.361	7.290	7.240	7.151	7.439	7.187	7.188	7.250	7.615	7.360	7.289	7.401	7.419	7.324	7.275	7.116	7.482	7.191
1432960	at	4930447I22Rik	AK015406	Mm.160301	8	5.591	5.452	5.499	5.436	5.417	5.450	5.428	5.528	5.451	5.417	5.478	5.275	5.526	5.508	5.440	5.303	5.535	5.505	5.433	5.338	5.535	5.465	5.449	5.508
1432961	at	2610024D14Rik	AK011527	NA	11	3.919	3.855	3.978	3.942	3.853	3.966	3.982	3.975	3.797	3.957	3.925	3.897	3.927	3.861	3.956	3.945	3.894	3.911	4.031	4.140	3.949	3.826	3.999	4.213
1432962	at	2610024D14Rik	AK011527	NA	11	4.791	4.641	4.614	4.576	4.619	4.532	4.570	4.551	4.576	4.619	4.613	4.623	4.610	4.450	4.402	4.710	4.578	4.268	4.565	4.614	4.418	4.418	4.681	4.337
1432963	at	2410049M19Rik	AK010698	Mm.458436	9	4.789	4.731	5.156	4.887	4.849	4.620	4.790	4.881	4.885	4.738	4.709	4.882	4.869	4.820	4.883	4.965	4.843	5.075	4.822	4.919	4.897	5.049	5.128	4.995
1432964	at	2410049M19Rik	AK010698	Mm.458436	9	5.567	5.326	5.343	5.526	5.497	5.382	5.589	5.649	5.463	5.398	5.423	5.466	5.606	5.546	5.408	5.514	5.487	5.355	5.511	5.562	5.433	5.441	5.506	5.426
1432965	at	4921507H08Rik	AK014833	NA	7	6.843	6.645	6.802	6.739	6.692	6.669	6.803	6.759	6.665	6.817	6.869	6.669	6.500	6.811	6.515	6.891	6.719	6.704	6.768	6.779	6.762	6.602	6.824	6.859
1432966	at	4921507H08Rik	AK014833	NA	7	6.012	5.610	5.981	5.791	5.791	5.817	5.974	5.851	5.860	5.922	5.912	5.831	5.941	5.769	6.005	5.833	5.871	5.813	6.121	5.974	5.927	5.684	6.061	5.910
1432967	at	4930456A14Rik	AK015472	NA	7	5.047	4.700	4.814	4.892	4.743	4.708	5.081	5.125	4.708	4.559	4.841	4.608	4.941	4.859	4.451	4.901	5.189	5.086	5.113	4.995	5.140	4.948	5.187	5.232
1432968	at	4930456A14Rik	AK015472	NA	7	6.635	6.614	6.795	6.569	6.612	6.792	6.772	6.448	6.691	6.787	6.451	6.907	6.783	6.700	6.668	6.701	6.727	6.958	6.688	6.678	6.675	6.601	6.754	6.289
1432969	at	4933423K11Rik	AK016875	NA	6	5.531	5.304	5.302	5.431	5.503	5.306	5.538	5.635	5.397	5.299	5.377	5.370	5.272	5.527	5.428	5.440	5.446	5.473	5.398	5.437	5.570	5.478	5.623	5.419
1432970	at	4933423K11Rik	AK016875	NA	6	7.365	6.816	7.430	7.283	7.203	7.395	7.434	7.245	7.142	7.177	7.201	6.966	7.341	7.023	7.560	7.288	7.306	7.180	7.316	7.626	7.307	7.124	7.375	7.369
1432971	at	4921518B13Rik	AK014916	Mm.159796	9	7.552	7.082	7.298	7.423	7.150	7.302	7.390	7.302	7.404	7.147	7.520	7.063	7.149	7.355	7.236	7.283	7.342	7.163	7.285	7.588	7.414	7.163	7.244	7.351
1432972	at	4921518B13Rik	AK014916	Mm.159796	9	7.663	7.370	7.366	7.650	7.720	7.339	7.638	7.731	7.638	7.468	7.658	7.478	7.500	7.519	7.519	7.600	7.607	7.531	7.504	7.596	7.676	7.634	7.669	7.375
1432973	at	4933421H12Rik	AK016863	Mm.234265	19	5.463	4.990	5.054	5.283	5.165	5.163	5.224	5.247	5.262	5.037	5.507	5.219	5.143	5.371	5.458	5.320	5.458	5.226	5.434	5.261	5.388	5.470	5.405	5.315
1432974	at	4933421H12Rik	AK016863	Mm.234265	19	7.115	7.025	7.164	7.202	7.106	7.025	7.140	7.174	6.857	6.979	7.086	6.940	6.968	7.081	6.907	7.127	7.089	6.899	7.306	6.974	7.286	7.100	7.106	7.239
1432975	at	4930466E19Rik	AK0142371	NA	8	4.809	4.486	4.508	4.592	4.476	4.767	4.575	4.490	4.312	4.575	4.484	4.480	4.312	4.575	4.480	4.312	4.575	4.480	4.312	4.575	4.480	4.312	4.575	4.480
1432976	at	4930466E19Rik	AK0142371	NA	17	5.259	5.243	5.218	5.292	5.176	5.132	5.130	5.257	5.591	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073
1432977	at	9030607L02Rik	AK018540	Mm.446113	19	4.149	4.075	4.054	3.966	4.017	4.040	3.915	4.024	3.933	3.962	3.969	3.878	4.063	3.963	4.117	4.024	3.936	4.142	4.023	4.034	4.118	4.279	4.020	4.118
1432978	at	9030607L02Rik	AK018540	Mm.446113	19	5.668	5.902	5.879	5.852	5.741	5.886	5.919	5.548	5.708	5.732	5.837	5.614	5.756	5.792	6.045	5.893	5.789	5.925	5.769	5.760	5.505	5.590	5.837	5.695
1432979	at	4930537H20Rik	AK015985	Mm.270999	3	7.716	7.445	7.585	7.571	7.385	7.386	7.586	7.556	7.413	7.474	7.658	7.402	7.477	7.479	7.480	7.525	7.579	7.585	7.517	7.552	7.515	7.626	7.562	7.548
1432980	at	5730420F10Rik	AK017589	NA	12	4.351	4.191	4.329	4.242	4.191	4.276	4.277	4.322	4.151	4.203	4.654	4.081	4.223	4.235	4.165	4.238	4.279	4.302	4.188	4.216	4.317	4.404	4.369	4.282
1432981	at	4930423D22Rik	AK015187	Mm.159266	12	4.811	4.649	4.555	4.570	4.768	4.556	4.661	4.620	4.827	4.422	4.751	4.826	4.566	4.595	4.708	4.649	4.737	4.625	4.589	4.731	4.584	4.726	4.771	4.743
1432982	at	4930456B19Rik	AK015477	NA	7	5.267	4.793	5.302	5.081	5.052	5.150	5.160	4.954	4.820	5.068	5.100	5.045	5.092	5.025	5.139	5.082	5.295	5.083	5.192	5.305	5.238	4.944	5.300	5.341
1432983	at	4930456B19Rik	AK015477	NA	17	5.259	5.243	5.218	5.292	5.176	5.132	5.130	5.257	5.591	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073	5.242	5.170	5.073
1432984	at	1700026H06Rik	AK006385	Mm.20928	10	4.838	4.660	4.668	4.739	4.745	4.683	4.610	4.913	4.836	4.533	4.883	4.662	4.765	4.828	4.741	4.806	4.835	4.519	4.747	4.648	4.928	4.649	4.743	4.736
1432985	at	5430402M21Rik	AK017261	NA	7	7.437	6.896	7.233	7.219	7.027	7.114	7.192	7.500	7.000	6.634	7.115	7.006	7.039	7.704	7.007	7.041	7.086	7.033	7.249	7.340	7.286	7.013	7.387	7.244
1432986	at	5430402M21Rik	AK017261	NA	7	6.497	6.235	6.518	6.709	6.726	6.591	6.487	6.451	6.405	6.462	6.634	6.363	6.484	6.411	6.614	6.552	6.608	6.606	6.740	6.676	6.709	6.521	6.650	6.619
1432987	at	NA	AK015425	NA	NA	7.245	6.974	7.191	7.282	7.260	7.152	7.252	7.386	7.059	6.973	7.199	6.868	7.147	7.097	7.039	7.183	7.073	7.066	7.137	7.265	7.014	7.168	7.256	7.184
1432988	at	Od2	AK011729	Mm.439889	11	7.042	7.056	7.230	7.111	7.305	7.144	7.166	7.306	7.054	7.028	7.227	7.089	7.186	7.212	7.224	7.173	7.235	7.259	7.291	7.412	7.110	7.076	7.280	7.103
1432989	at	2900011F02Rik	AK013525	Mm.158905	X	6.045	5.719	6.115	6.094	5.942																			

1433038	at	4930555B11Rik	AK016127	Mm.401987	2	6.114	5.600	6.146	5.970	5.738	6.047	6.157	6.143	5.927	5.989	5.734	5.856	5.900	5.944	6.146	6.126	6.167	5.997	6.209	6.292	6.017	6.165	6.001		
1433039	at	4930555B11Rik	AK016127	Mm.401987	2	6.960	6.756	6.921	7.045	6.966	6.954	6.834	7.002	7.103	6.805	6.943	6.895	7.035	6.850	6.865	6.797	6.921	6.841	6.853	7.094	7.110	6.940	7.079	6.672	
1433040	at	2900018E21Rik	AK013549	NA	10	6.441	6.452	6.310	6.533	6.406	6.073	6.264	6.544	6.530	6.401	6.508	6.409	6.458	6.513	6.126	6.352	6.374	6.300	6.291	6.432	6.417	6.451	6.465	6.456	
1433041	at	Rebepk	AK018405	Mm.158705	2	6.362	6.256	6.175	6.538	6.292	6.120	6.505	5.565	6.207	6.113	6.290	6.400	6.160	6.176	6.304	6.302	6.395	6.093	6.223	6.097	6.441	6.453	6.291	6.406	
1433042	at	4930472C08Rik	AK016277	NA	8	5.718	5.464	5.521	5.543	5.480	5.664	5.563	5.406	5.717	5.401	5.494	5.517	5.260	5.483	5.357	5.586	5.515	5.136	5.288	5.700	5.133	5.622	5.185		
1433043	at	Vcan	AK017328	Mm.158700	13	5.337	5.012	4.995	5.097	4.930	4.925	5.106	5.029	5.141	5.211	4.950	4.919	5.182	5.264	5.265	5.127	4.258	5.190	5.189	5.269	5.272	4.976	5.103	4.972	
1433044	at	Vcan	AK017328	Mm.158700	13	4.314	4.386	4.427	4.427	4.394	4.277	4.285	4.335	4.596	4.485	4.517	4.341	4.342	4.284	4.202	4.247	4.137	4.154	4.326	4.340	4.201	4.076	4.232	4.674	
1433045	at	4930535F04Rik	AK015981	NA	19	6.540	6.505	6.595	6.382	6.369	6.460	6.413	6.367	6.302	6.474	6.223	6.461	6.446	6.352	6.385	6.445	6.436	6.546	6.696	6.461	6.306	6.342	6.532		
1433046	at	4930535F04Rik	AK015981	NA	19	6.571	6.101	6.280	6.605	6.379	6.560	6.559	6.329	6.247	6.281	6.615	6.254	6.403	6.389	6.532	6.513	6.481	6.677	6.550	6.654	6.519	6.379	6.646	6.589	
1433047	at	5330430B06Rik	AK019920	NA	17	5.745	5.669	5.732	5.504	5.542	5.783	5.524	5.657	5.637	5.565	5.759	5.560	5.806	5.726	5.564	6.017	5.667	5.683	5.369	5.786	5.861	5.644	5.882	5.887	
1433048	at	4933428L01Rik	AK016970	NA	15	7.264	7.052	7.110	7.305	7.173	7.204	7.192	7.142	7.126	7.115	7.221	7.105	7.207	7.244	7.233	7.173	7.120	6.999	7.161	7.359	7.179	7.064	7.157	7.171	
1433049	at	5730478J17Rik	AK017704	NA	18	5.589	5.404	5.283	5.627	5.185	5.496	5.417	5.419	5.249	5.220	5.433	5.169	5.333	5.330	5.139	5.282	5.336	5.406	5.371	5.444	5.404	5.723	5.493	5.347	
1433050	at	5730478J17Rik	AK017704	NA	18	7.596	7.441	7.480	7.609	7.464	7.400	7.388	7.523	7.410	7.333	7.411	7.454	7.472	7.607	7.436	7.386	7.304	7.256	7.567	7.540	7.707	7.499	7.520	7.547	
1433051	at	261001118Rik	AK011377	NA	10	5.542	5.490	5.533	5.460	5.561	5.634	5.658	5.637	5.528	5.520	5.759	5.483	5.581	5.453	5.547	5.524	5.463	5.588	5.696	5.691	5.466	5.250	5.477	5.504	
1433052	at	ElavL2	AK014085	Mm.318042	4	7.621	7.283	7.650	7.408	7.669	7.659	7.474	7.546	7.711	7.429	7.802	7.365	7.562	7.599	7.596	7.442	7.281	7.532	7.681	7.766	7.529	7.414	7.759	7.719	
1433053	at	Itqtb21	AK017157	Mm.12872	16	7.952	7.411	7.833	7.903	7.701	7.827	7.836	7.892	7.638	7.498	7.905	7.556	7.585	7.552	7.815	7.797	7.844	7.676	7.921	7.916	7.971	7.814	7.925	7.901	
1433054	at	Itqtb21	AK017157	Mm.12872	16	6.946	6.572	6.961	6.814	6.716	6.655	6.829	6.876	6.515	6.551	6.629	6.590	6.593	6.728	6.634	6.937	6.763	6.725	6.587	6.885	6.861	6.665	6.729	6.628	
1433055	at	4931407J08Rik	AK016442	NA	16	6.277	5.740	6.310	6.361	5.995	6.447	6.452	6.051	5.865	5.900	6.238	6.008	6.143	6.107	6.109	6.426	6.414	6.102	6.408	6.292	6.347	6.206	6.338	6.525	
1433056	at	4931407J08Rik	AK016442	NA	16	7.322	6.879	7.293	7.251	7.136	7.255	7.305	7.247	7.056	6.970	7.259	6.856	7.066	7.248	7.192	7.307	7.154	7.297	7.296	7.380	7.376	7.227	7.327	7.294	
1433057	at	4933411013Rik	AK016780	Mm.444677	16	6.834	6.390	6.684	6.719	6.603	6.743	6.655	6.719	6.802	6.548	6.952	6.399	6.498	6.772	6.450	6.856	6.758	6.920	6.837	6.829	6.765	6.568	6.736	6.484	
1433058	at	4933411013Rik	AK016780	Mm.444677	16	3.859	3.627	3.745	3.732	3.636	3.902	3.773	3.791	3.701	3.775	3.884	3.755	3.626	3.761	3.743	3.652	3.928	3.891	3.882	3.760	3.859	3.775	3.693	3.758	
1433059	at	4930439G18Rik	AK015342	NA	NA	5.635	5.347	5.459	5.488	5.448	5.350	5.519	5.539	5.484	5.624	5.741	5.421	5.325	5.395	5.386	5.632	5.526	5.510	5.474	5.541	5.748	5.381	5.599	5.488	
1433060	at	623042618Rik	AK018099	NA	2	6.529	6.174	6.443	6.625	6.475	6.363	6.467	6.494	6.148	6.340	6.407	6.487	6.418	6.369	6.380	6.520	6.382	6.692	6.474	6.636	6.682	6.294	6.659	6.417	
1433061	at	4933423L19Rik	AK016876	NA	7	7.108	6.819	6.973	7.083	6.911	6.948	6.943	7.160	6.872	6.566	6.728	6.797	7.038	6.877	7.041	6.982	7.171	6.944	6.876	6.782	7.088	7.079	6.836	6.954	
1433062	at	Wdr66	AK015152	Mm.444012	5	7.758	7.334	7.499	7.641	7.509	7.427	7.579	7.561	7.552	7.290	7.458	7.377	7.562	7.462	7.410	7.502	7.470	7.384	7.875	7.494	7.649	7.401	7.547	7.679	
1433063	at	Wdr66	AK015152	Mm.444012	5	7.321	6.949	7.388	7.326	7.360	7.334	7.207	7.303	7.133	7.087	7.226	7.236	7.134	6.970	7.259	7.342	7.450	7.441	7.314	7.319	7.352	7.197	7.414	7.318	
1433064	at	6430605C03Rik	AK016135	Mm.275963	13	6.303	6.093	6.095	6.605	6.480	6.644	6.605	6.585	6.401	6.626	6.566	6.536	6.587	6.504	6.586	6.597	6.504	6.586	6.597	6.504	6.636	6.506	6.580	6.585	
1433065	at	6330510M09Rik	AK018211	NA	6	5.144	5.088	5.565	5.266	5.360	5.188	5.295	5.356	5.120	5.052	5.206	5.207	5.168	5.252	5.249	5.161	5.161	5.266	5.504	5.546	5.372	5.108	5.166	5.332	
1433066	at	6330510M09Rik	AK018211	NA	6	5.250	5.177	5.283	5.441	5.108	5.495	5.408	4.895	5.501	4.767	4.849	5.059	4.801	4.773	5.155	5.347	5.551	5.622	5.678	5.799	5.017	5.267	5.060	5.152	
1433067	at	6330582A15Rik	AK018259	NA	6	6.343	5.868	6.405	6.230	6.195	6.465	6.280	5.974	6.184	6.066	6.325	5.972	6.084	6.240	6.251	6.470	6.127	6.154	6.274	6.462	6.183	6.040	6.456	6.394	
1433068	at	6330582A15Rik	AK018259	NA	6	6.702	6.255	6.670	6.571	6.463	6.465	6.623	6.504	6.438	6.652	6.639	6.407	6.494	6.355	6.913	6.647	6.606	6.496	6.460	6.747	6.753	6.530	6.683	6.759	
1433069	at	5730433N10Rik	AK017612	NA	1	6.145	5.951	6.252	6.152	6.131	6.148	6.236	6.082	6.309	6.020	6.419	6.259	6.202	6.019	6.089	6.213	6.138	6.308	6.151	6.257	6.286	6.108	6.162	6.115	
1433070	at	5830433M15Rik	AK017968	NA	13	6.513	6.271	6.576	6.659	6.653	6.508	6.439	6.818	6.571	6.289	6.688	6.263	6.690	6.589	6.363	6.473	6.627	6.351	6.579	6.715	6.628	6.478	6.707	6.477	
1433071	at	6430605C03Rik	AK018289	NA	2	3.910	4.005	3.960	3.866	3.758	3.994	3.953	3.870	3.811	3.774	3.713	3.883	3.861	3.702	3.811	3.894	3.866	4.055	3.812	3.747	3.845	3.844	3.746	3.862	
1433072	at	4933425E08Rik	AK016921	Mm.465331	10	5.324	5.325	4.732	5.519	5.053	5.145	5.562	4.910	4.948	4.922	4.851	5.129	4.956	4.922	4.914	5.137	4.956	4.922	5.254	5.085	4.922	4.952	4.932	4.932	
1433073	at	4933425E08Rik	AK016911	Mm.465331	10	5.872	5.901	6.071	5.730	5.685	5.694	5.764	6.169	5.919	5.671	6.025	5.822	5.636	5.994	5.906	5.886	6.050	6.298	5.966	6.265	5.972	5.753	5.901	5.975	
1433074	at	4931412115Rik	AK016451	NA	7	7.531	7.162	7.598	7.334	7.393	7.376	7.560	7.171	7.424	7.173	7.429	7.315	7.390	7.401	7.532	7.422	7.450	7.469	7.382	7.626	7.464	7.203	7.570	7.588	
1433075	at	4931412115Rik	AK016451	NA	7	7.761	7.152	7.549	7.494	7.433	7.511	7.509	7.316	7.271	7.146	7.481	7.042	7.375	7.286	7.529	7.550	7.408	7.343	7.483	7.581	7.461	7.413	7.363	7.705	
1433076	at	5430420O13Rik	AK014187	Mm.430720	6	6.525	6.281	6.436	6.544	6.399	6.497	6.623	6.428	6.261	6.570	6.435	6.367	6.237	6.405	6.460	6.329	6.424	6.504	6.521	6.733	6.622	6.572	6.644	6.596	
1433077	at	2700078F05Rik	AK012529	Mm.450906	1	6.967	6.810	6.646	6.288	6.598	6.494	6.313	6.451	6.700	6.913	6.651	6.775	6.477	6.599	6.515	6.595	6.617	6.396	6.435	6.396	6.453	6.537	6.539	6.780	6.745
1433078	at	5830435N06Rik	AK017970	NA	11	5.676	5.367	5.676	5.656	5.528	5.534	5.768	5.549	5.53																

1433127	at	4930513L20Rik	AK015783	NA	7	6.333	6.013	6.384	6.505	6.340	6.466	6.414	6.384	6.283	6.093	6.342	6.226	6.158	6.464	6.379	6.459	6.322	6.302	6.354	6.249	6.443	6.349	6.519	6.358
1433128	at	4930423C22Rik	AK015186	NA	12	6.236	5.575	5.997	6.041	5.957	5.778	5.896	5.910	6.040	5.676	6.316	5.902	6.038	6.034	6.130	6.003	5.873	6.064	5.899	6.061	6.311	6.296	6.039	6.279
1433129	at	2900040J22Rik	AK013628	NA	18	7.859	7.481	7.707	7.788	7.787	7.590	7.709	7.780	7.916	7.852	7.989	7.785	7.946	7.680	7.870	7.760	7.761	7.704	7.794	7.851	7.781	7.775	7.858	7.763
1433130	at	4830418B16Rik	AK018425	NA	15	5.007	4.899	4.828	5.088	5.003	4.954	4.904	5.275	4.992	4.960	5.146	5.028	4.961	4.886	5.236	5.130	5.017	5.085	4.999	4.972	5.159	5.069	5.069	5.023
1433131	at	5030415B01Rik	AK017091	NA	9	7.184	6.549	7.090	6.896	6.889	6.972	7.134	6.996	7.000	6.759	6.992	6.962	6.928	6.971	6.874	7.116	6.823	7.032	7.045	6.883	7.078	7.045	6.883	7.147
1433132	at	Edarad	AK018047	Mm.159671	13	4.817	4.680	4.471	4.671	4.645	4.471	4.667	4.619	4.662	4.627	4.641	4.695	4.648	4.599	4.777	4.723	4.745	4.478	4.655	4.839	4.478	4.671	4.638	4.810
1433133	at	Edarad	AK018047	Mm.159671	13	6.559	6.301	6.556	6.607	6.444	6.675	6.501	6.451	6.366	6.389	6.685	6.257	6.529	6.540	6.596	6.511	6.538	6.680	6.475	6.697	6.448	6.376	6.674	6.289
1433134	at	5830448L01Rik	AK017998	Mm.425895	14	6.135	5.983	6.312	6.222	6.156	6.087	6.127	6.117	6.169	6.009	6.241	6.098	6.166	6.203	6.140	6.087	6.294	6.195	6.079	6.339	5.998	6.115	6.142	5.985
1433135	at	Golgib	AK015226	Mm.244815	16	6.853	6.547	6.596	6.701	6.568	6.451	6.583	6.673	6.625	6.530	6.619	6.584	6.785	6.634	6.369	6.814	6.623	6.799	6.705	6.870	6.796	6.571	6.685	6.769
1433136	at	4930432H08Rik	AK015287	NA	5	5.987	5.550	5.746	5.777	5.624	5.576	5.861	5.681	5.755	5.580	5.590	5.895	5.751	5.889	5.681	5.709	5.725	5.577	5.804	6.016	5.889	5.877	6.058	5.928
1433137	at	5031415H12Rik	AK017142	Mm.421334	17	5.830	5.511	6.005	5.925	5.889	5.845	5.805	5.780	5.736	5.516	5.868	5.707	5.915	5.870	5.705	5.706	6.071	5.705	5.903	6.157	5.890	5.832	5.778	5.923
1433138	at	5230401M06Rik	AK017231	NA	14	7.229	6.941	7.250	7.416	7.335	7.240	7.208	7.401	7.613	6.924	7.275	7.252	7.190	7.323	7.149	7.159	7.177	7.233	7.226	7.245	7.299	7.373	7.412	7.137
1433139	at	Btbd14b	AK015764	Mm.289698	8	6.443	5.881	6.260	6.117	6.122	6.146	6.090	5.917	5.872	5.901	6.127	6.029	6.161	5.977	5.916	6.125	6.101	6.376	6.049	6.665	6.900	5.882	6.254	6.435
1433140	a	Btbd14b	AK015764	Mm.289698	8	6.953	6.604	6.614	6.665	6.749	6.676	6.696	6.752	6.486	6.624	6.635	6.873	6.631	6.682	6.596	6.751	6.789	6.628	6.661	6.677	6.592	6.472	6.499	6.714
1433141	at	4921504P05Rik	AK014814	NA	14	4.790	4.783	4.987	4.763	4.684	5.014	4.935	4.553	4.504	4.590	4.788	4.554	4.676	4.553	4.704	4.905	4.776	5.048	4.680	4.917	4.791	4.646	5.115	4.753
1433142	at	4921504P05Rik	AK014814	NA	14	6.459	6.027	6.255	6.408	6.312	6.332	6.472	6.255	6.261	6.119	6.355	6.102	6.363	6.169	6.199	6.319	6.110	6.304	6.392	6.449	6.381	6.218	6.487	6.230
1433143	at	9230118N17Rik	AK020358	NA	7	5.908	5.439	5.907	5.939	5.699	5.518	5.689	5.700	5.566	5.449	5.478	5.362	5.721	5.590	5.512	5.802	5.729	5.725	5.822	5.905	5.938	5.478	5.783	5.813
1433144	at	Alq2	AK003764	Mm.22218	4	5.303	5.233	5.563	5.318	5.239	5.276	5.565	5.246	5.281	5.096	5.784	5.204	5.304	5.205	5.294	5.328	5.260	5.333	5.439	5.345	5.421	5.188	5.372	5.311
1433145	at	4933431C10Rik	AK017001	NA	7	6.687	6.266	6.601	6.391	6.438	6.542	6.523	6.315	6.380	6.388	6.594	6.374	6.390	6.180	6.610	6.473	6.726	6.443	6.484	6.475	6.432	6.461	6.655	6.613
1433146	at	Calcl1	AK014755	Mm.308134	6	6.639	6.325	6.287	6.413	6.388	6.237	6.493	6.493	6.383	6.249	6.466	6.311	6.381	6.397	6.386	6.379	6.575	6.405	6.616	6.178	6.423	6.367	6.417	6.346
1433147	at	Calcl1	AK014755	Mm.308134	6	8.035	8.552	7.907	7.938	8.258	7.941	7.672	7.742	8.833	8.903	8.303	8.701	8.776	8.233	8.384	7.883	7.638	7.898	7.661	7.625	7.552	7.615	7.383	7.571
1433148	at	4930513N20Rik	AK015786	NA	7	9.611	7.971	8.403	8.380	9.524	8.548	8.340	7.714	7.345	7.407	8.875	7.587	7.623	7.365	7.843	8.403	7.656	7.638	7.891	8.321	8.090	8.292	8.870	8.803
1433149	at	4930513N20Rik	AK015786	NA	7	5.815	5.378	5.615	5.661	5.513	5.541	5.565	5.681	5.574	5.374	5.924	5.256	5.439	5.453	5.509	5.437	5.516	5.722	5.586	5.552	5.588	5.562	5.569	5.444
1433150	at	4933415B22Rik	AK016815	NA	5	8.016	7.895	7.870	7.875	7.947	7.819	7.811	7.795	7.844	7.693	7.845	7.581	7.838	7.801	7.614	7.741	7.880	7.757	7.602	8.007	7.954	7.650	7.920	7.602
1433151	at	4933415B22Rik	AK016815	NA	5	7.268	7.001	7.233	7.190	7.102	7.127	7.195	7.133	7.236	7.032	7.301	7.217	7.302	7.171	7.249	7.165	7.360	7.212	7.207	7.253	7.322	7.083	7.329	7.298
1433152	at	2900022B07Rik	AK013567	NA	2	4.797	4.729	4.742	5.044	4.885	4.827	4.936	5.023	4.788	5.011	4.920	4.812	4.653	4.771	4.961	4.947	4.949	5.021	4.839	5.014	4.821	5.237	5.031	4.985
1433153	at	4930401C22Rik	AK015764	Mm.289698	8	6.443	5.881	6.260	6.117	6.122	6.146	6.090	5.917	5.872	5.901	6.127	6.029	6.161	5.977	5.916	6.125	6.101	6.376	6.049	6.665	6.900	5.882	6.254	6.435
1433154	at	Btbd14b	AK020986	NA	6	6.455	6.038	6.231	6.113	6.389	6.157	6.288	6.562	6.242	6.268	6.252	6.159	6.266	6.415	6.320	6.307	6.621	6.421	6.287	6.307	6.621	6.421	6.287	6.307
1433155	at	Btbd14b	AK020986	NA	5	6.020	5.896	5.778	5.853	5.742	5.854	6.076	5.799	5.682	6.060	6.071	5.873	6.117	5.769	6.028	5.935	5.898	5.888	5.907	5.966	6.147	5.888	6.029	6.120
1433156	at	Kcnp1	AK013657	Mm.252514	11	6.552	6.356	6.504	6.513	6.241	6.355	6.427	6.286	6.362	6.163	6.479	6.533	6.445	6.619	6.418	6.510	6.434	6.385	6.326	6.515	6.513	6.378	6.500	6.184
1433157	at	4930562C20Rik	AK018237	Mm.476068	3	7.303	7.090	7.192	7.229	7.197	7.219	7.202	7.066	7.105	7.112	7.246	6.948	7.073	7.225	7.162	7.203	7.179	7.049	7.094	7.186	7.304	7.208	7.289	7.350
1433158	at	Kif13b	AK019919	Mm.23611	14	4.690	4.461	4.925	4.823	4.692	4.786	4.734	4.746	4.671	4.576	4.760	4.620	4.667	4.810	4.712	4.911	4.765	4.550	4.811	4.985	4.637	4.795	4.410	4.826
1433159	at	Kif13b	AK019919	Mm.23611	14	6.004	5.855	6.121	6.065	5.845	6.083	6.057	5.930	6.072	5.893	5.905	5.963	5.985	6.039	5.965	5.988	5.930	6.001	6.025	6.035	5.959	5.905	6.108	5.779
1433160	at	1700008N17Rik	AK005783	NA	2	6.329	6.365	6.379	6.393	6.241	6.152	6.485	6.223	6.418	6.199	6.414	6.326	6.394	6.325	6.353	6.542	6.381	6.403	6.452	6.777	6.461	6.233	6.364	6.433
1433161	at	6720477C19Rik	AK020162	NA	6	7.132	6.937	7.533	7.153	6.973	6.987	7.041	7.093	6.988	6.824	6.868	6.990	6.955	6.926	6.925	7.095	6.955	7.022	7.198	7.093	6.955	7.093	6.955	7.093
1433162	at	6230414M07Rik	AK018087	NA	11	8.473	7.936	8.388	8.353	8.282	8.254	8.317	8.156	8.238	8.088	8.499	8.053	8.311	8.205	8.364	8.308	8.094	8.349	8.279	8.526	8.365	8.180	8.452	8.225
1433163	at	6230414M07Rik	AK018087	NA	11	7.349	7.050	7.200	7.166	7.302	7.060	7.095	7.533	7.136	7.095	7.224	7.191	7.144	7.195	7.242	7.236	7.343	7.183	7.214	7.151	7.257	7.230	7.300	7.151
1433164	at	4930570E01Rik	AK016262	NA	7	6.489	6.342	6.252	6.371	6.339	6.392	6.329	6.270	6.299	6.251	6.335	6.318	6.245	6.570	6.318	6.477	6.285	6.303	6.221	6.685	6.352	6.112	6.489	6.273
1433165	at	4930570E01Rik	AK016262	NA	7	5.019	4.942	4.979	4.792	4.847	5.061	4.972	5.101	5.054	4.965	5.129	5.075	5.062	5.061	5.102	4.993	4.990	5.021	4.896	4.983	4.986	4.922	4.933	4.912
1433166	at	4930485E13Rik	AK015625	NA	4	4.660	4.351	4.579	4.595	4.615	4.626	4.509	4.470	4.617	4.480	4.495	4.450	4.447	4.711	4.644	4.588	4.590	4.604	4.801	4.651	4.601	4.643	4.636	4.571
1433167	at	4930444E06Rik	AK015377	NA	2	7.937	7.762	7.861	7.933	7.946	7.859	7.936	7.975	7.830	7.666	7.883	7.797	7.8											

1433216	at	9430024C03Rik	AK020434	NA	10	5.618	5.209	5.880	5.491	5.498	5.707	5.765	5.598	5.598	5.679	5.323	5.670	5.598	5.530	5.713	5.429	5.731	5.605	5.855	5.625	5.424	5.751	5.597	
1433217	at	4930566N20Rik	AK016239	NA	3	4.326	3.848	4.103	4.167	4.029	4.089	4.093	4.113	4.137	4.034	3.696	4.001	4.038	4.147	3.972	4.182	3.912	3.953	4.178	3.960	4.353	3.880	4.231	4.085
1433218	at	4930566N20Rik	AK016239	NA	3	6.043	5.872	5.891	5.973	6.082	5.973	5.933	6.015	5.872	6.090	6.049	5.890	5.969	6.038	5.945	6.119	6.057	6.161	5.927	6.184	5.904	6.196	6.129	6.021
1433219	at	6720482G16Rik	AK020168	NA	3	4.997	4.891	5.033	5.115	5.089	5.215	5.055	5.180	5.104	4.926	5.120	4.898	5.137	5.154	5.120	5.127	4.959	5.123	5.166	5.061	5.009	5.330	5.250	5.073
1433220	at	6720482G16Rik	AK020168	NA	3	5.167	5.443	5.680	5.702	5.709	5.641	5.685	5.694	5.658	5.689	5.703	5.623	5.878	5.977	5.660	5.903	5.614	5.482	5.640	5.836	5.614	5.582	5.745	5.475
1433221	at	2610311E24Rik	AK012008	NA	10	7.638	7.675	7.710	7.567	7.372	7.507	7.583	7.770	7.597	7.588	7.380	7.594	7.509	7.403	7.580	7.508	7.697	7.580	7.687	7.858	7.647	7.445	7.525	7.677
1433222	at	2610311E24Rik	AK012008	NA	10	6.930	6.557	6.869	6.821	6.687	6.716	6.938	6.738	6.588	6.318	6.733	6.623	6.641	6.728	6.492	6.870	6.949	6.930	6.678	7.002	6.795	6.717	6.653	6.913
1433223	at	5830442K09Rik	AK017993	NA	NA	5.626	5.625	5.829	5.851	5.756	5.689	5.844	5.785	5.675	5.763	6.039	5.739	5.715	5.745	5.762	5.779	5.728	5.616	5.928	5.859	5.751	5.818	5.756	5.738
1433224	at	5830442K09Rik	AK017993	NA	NA	5.280	5.058	4.885	5.124	5.077	4.923	5.009	4.905	5.222	4.882	5.095	4.754	5.130	4.972	5.126	4.848	4.904	5.030	5.003	5.231	4.904	4.906	5.280	5.049
1433225	at	6330403N20Rik	AK018109	NA	7	5.990	5.599	5.999	5.897	5.786	5.725	5.862	5.810	5.549	5.520	5.771	5.660	5.878	5.767	5.600	5.873	5.921	5.574	5.839	5.928	5.806	5.898	5.849	5.915
1433226	at	6330403N20Rik	AK018109	NA	7	5.212	4.634	4.916	4.964	4.934	4.894	5.057	5.043	4.661	4.764	5.103	4.931	4.945	5.001	4.712	4.957	5.116	4.943	4.892	5.011	4.994	4.951	4.859	4.918
1433227	at	9430081G06Rik	AK020499	NA	13	5.778	5.363	5.584	5.346	5.388	5.522	5.448	5.372	5.323	5.363	5.451	5.419	5.527	5.293	5.527	5.467	5.387	5.484	5.570	5.573	5.532	5.600	5.476	5.478
1433228	at	9430081G06Rik	AK020499	NA	13	5.129	5.199	5.218	5.268	5.235	5.355	5.211	5.174	5.138	4.902	5.409	4.941	5.207	5.107	5.129	5.227	5.379	5.392	5.466	5.481	4.905	5.389	5.589	5.211
1433229	at	9430031J08Rik	AK020451	NA	15	4.974	4.604	4.867	4.938	4.782	5.129	4.902	4.667	4.599	4.633	4.666	4.844	4.844	4.651	4.563	4.816	4.823	4.908	4.765	4.833	4.723	4.703	4.693	4.809
1433230	at	5730415C11Rik	AK017563	NA	2	6.023	5.648	6.104	6.086	5.864	5.925	5.819	6.153	5.912	5.681	6.177	5.621	5.774	6.055	6.131	5.985	5.947	5.991	6.193	6.132	5.914	5.961	5.947	5.993
1433231	at	4933426I03Rik	AK016932	NA	10	5.529	5.228	5.460	5.372	5.356	5.317	5.392	5.333	5.054	5.147	5.367	5.149	5.405	5.170	5.413	5.383	5.365	5.380	5.342	5.667	5.488	5.203	5.519	5.553
1433232	at	4933426I03Rik	AK016932	NA	10	6.473	5.983	6.307	6.236	6.218	6.428	6.307	6.414	6.183	6.064	6.335	6.222	6.158	6.247	6.246	6.311	6.251	6.312	6.422	6.445	6.392	6.399	6.308	6.378
1433233	at	5430425E15Rik	AK017335	NA	14	5.414	5.101	5.610	5.211	5.278	5.321	5.340	5.205	5.117	5.245	5.211	5.159	5.343	5.356	5.355	5.595	5.381	5.388	5.353	5.713	5.248	5.163	5.170	5.513
1433234	at	4930424E08Rik	AK015194	NA	14	6.819	6.251	6.586	6.552	6.591	6.553	6.553	6.544	6.185	6.416	5.980	6.325	6.346	5.999	6.410	6.661	6.537	6.358	6.509	6.743	6.515	6.407	6.376	6.761
1433235	at	C030011I11Rik	AK021065	NA	17	5.702	5.069	5.596	5.492	5.161	5.583	5.525	5.274	5.122	5.185	5.517	5.408	5.397	5.174	5.462	5.732	5.380	5.580	5.712	5.824	5.443	5.361	5.383	5.662
1433236	at	3830422I06Rik	AK014451	NA	3	5.352	4.953	5.104	5.022	4.970	4.901	5.069	4.965	4.987	4.931	4.944	4.902	4.938	5.116	4.797	5.051	5.005	4.993	5.144	4.903	5.088	4.840	4.979	5.238
1433237	at	3830422I06Rik	AK014451	NA	3	6.699	6.243	6.445	6.468	6.230	6.391	6.518	6.240	6.248	6.118	6.578	6.155	6.333	6.326	6.250	6.490	6.406	6.394	6.337	6.506	6.531	6.403	6.395	6.386
1433238	at	4930448E06Rik	AK015415	NA	8	5.211	5.148	5.125	5.154	5.171	5.092	5.124	5.422	5.498	5.176	5.101	5.071	5.131	5.132	5.061	4.964	4.666	5.237	5.047	5.230	5.516	5.295	5.292	5.164
1433239	at	4930448E06Rik	AK015415	NA	8	6.705	6.590	6.570	6.606	6.528	6.634	6.736	6.653	6.991	6.863	6.991	6.401	6.723	6.695	6.744	6.575	6.354	6.737	6.676	6.707	6.527	6.353	6.601	6.639
1433240	at	9430013L17Rik	AK020414	NA	10	5.800	5.336	5.713	5.644	5.433	5.544	5.593	5.615	5.583	5.466	5.591	5.436	5.531	5.708	5.489	5.742	5.528	5.567	5.567	5.915	5.703	5.695	5.771	5.695
1433241	at	9430013L17Rik	AK020414	NA	10	5.345	5.511	5.469	5.812	5.285	5.377	5.582	5.573	5.453	5.533	5.295	5.629	5.538	5.411	5.545	5.441	4.886	5.716	5.328	5.802	6.559	5.621	5.912	5.306
1433242	at	6720475M21Rik	AK020169	MM.173271	6	7.159	7.031	7.581	7.377	7.013	7.644	7.681	7.118	7.041	7.198	7.324	7.028	6.945	7.378	7.393	7.308	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393
1433243	at	2810421E14Rik	AK013121	NA	16	5.561	5.005	5.306	5.313	5.004	5.051	5.227	5.376	5.119	4.955	5.968	5.041	5.194	5.156	5.311	5.252	5.139	5.262	5.139	5.262	5.139	5.262	5.139	5.262
1433244	at	4930573G07Rik	AK016289	NA	10	6.187	5.581	6.188	6.131	5.991	6.080	5.966	5.924	6.558	5.855	6.252	5.756	5.995	5.941	5.966	5.976	6.045	6.166	6.150	6.410	5.980	5.844	6.221	5.852
1433245	at	6720475M21Rik	AK020169	NA	5	6.563	6.139	6.485	6.547	6.444	6.468	6.554	6.489	6.562	6.221	6.768	6.490	6.578	6.791	6.642	6.517	6.594	6.478	6.568	6.698	6.528	6.669	6.628	6.690
1433246	at	6720475M21Rik	AK020169	NA	5	6.141	5.834	6.045	6.108	6.019	5.974	6.092	6.045	5.771	5.865	6.178	5.761	6.016	5.936	6.066	5.927	6.203	6.376	6.224	6.316	6.186	6.068	6.309	6.118
1433247	at	C530007A02Rik	AK021269	NA	4	4.019	4.310	3.935	4.040	4.011	3.968	4.033	4.233	4.045	4.096	4.059	4.157	3.951	3.937	4.136	4.038	4.254	3.993	3.917	3.961	4.173	4.086	4.236	3.946
1433248	at	2310075M01Rik	AK010184	NA	14	6.141	5.581	6.172	6.082	5.994	6.066	6.252	6.035	6.077	5.617	6.036	5.860	5.968	6.041	6.052	6.332	5.892	6.040	6.102	6.394	6.223	6.048	6.131	6.114
1433249	at	4931409D07Rik	AK016446	NA	4	5.809	5.405	6.031	5.592	5.504	5.747	5.861	5.571	5.548	5.557	5.697	5.623	5.620	5.732	5.561	5.384	5.930	6.011	5.943	6.146	5.593	5.357	5.814	6.022
1433250	at	4931409D07Rik	AK016446	NA	4	5.998	5.664	6.729	7.958	6.730	6.587	6.905	6.251	6.841	6.640	6.223	6.728	6.739	6.685	6.727	6.727	6.943	6.580	6.580	6.580	6.580	6.580	6.580	6.580
1433251	at	4932703K07Rik	AK016582	MM.341186	12	6.543	6.239	6.411	6.413	6.555	6.340	6.280	6.482	6.530	6.460	6.492	6.450	6.564	6.337	6.493	6.216	6.339	6.390	6.331	6.808	6.495	6.427	6.174	6.251
1433252	at	4932703K07Rik	AK016582	MM.341186	12	6.457	6.209	6.288	6.500	6.263	6.340	6.419	6.347	6.655	6.243	6.376	6.236	6.511	6.568	6.378	6.290	6.454	6.460	6.381	6.412	6.414	6.477	6.066	6.543
1433253	at	5033423K11Rik	AK017188	NA	5	7.140	6.684	7.202	6.955	7.007	6.987	7.268	6.800	6.960	6.670	7.128	6.849	6.860	7.039	7.019	7.239	6.874	7.117	7.120	7.419	7.069	6.961	7.200	7.209
1433254	at	5033423K11Rik	AK017188	NA	5	5.007	4.489	4.708	4.681	4.584	4.456	4.709	4.468	4.486	4.609	4.324	4.477	4.520	4.538	4.622	4.636	4.649	4.426	4.765	4.739	4.796	4.667	4.790	4.896
1433255	at	8430437B07Rik	AK018468	NA	8	7.067	6.986	7.023	7.012	6.911	6.917	6.973	6.939	6.926	6.718	6.912	6.741	6.946	6.988	6.888	7.074	7.155	6.971	6.931	6.948	6.993	6.891	7.167	7.076
1433256	at	4930011E06Rik	AK020846	NA	16	5.296	5.309	5.349	5.149	5.970	5.127	5.258	5.114	5.037	5.005	5.27													

1433305	at	9530034D02Rik	AK020585	NA	6	6.021	5.972	5.924	5.974	6.022	5.877	6.017	5.991	5.819	5.932	6.202	6.000	6.101	6.065	5.876	5.909	6.100	6.196	6.213	6.042	5.877	6.148	6.043	5.997	
1433306	at	4930456K20Rik	AK015479	NA	10	5.708	5.749	6.041	5.755	5.719	5.873	5.876	5.816	5.678	5.502	6.007	5.734	5.805	5.657	5.792	5.666	5.762	5.865	5.938	5.926	5.675	5.717	5.754	5.893	
1433307	at	4930509E22Rik	AK015734	Mm.159432	8	6.220	5.679	5.825	5.941	5.635	5.608	5.877	5.792	5.759	5.988	5.878	5.659	5.740	5.853	5.592	5.848	5.943	5.911	5.680	5.804	5.865	5.816	5.811	5.865	
1433308	at	4930159N22Rik	AK020375	NA	13	5.381	5.307	5.623	5.428	5.276	5.340	5.305	5.275	5.280	4.988	5.375	5.244	5.252	5.411	5.141	5.469	5.398	5.178	5.325	5.374	5.316	5.361	5.595	5.306	
1433309	at	216571	AK015690	NA	15	6.250	6.026	6.006	6.211	6.071	6.177	6.134	5.993	5.844	5.833	6.161	5.829	6.208	6.105	6.039	5.985	5.991	6.150	6.200	6.301	6.332	6.163	6.265	6.215	
1433310	at	D530031A16Rik	AK021303	NA	16	6.949	6.422	6.899	6.877	6.692	6.685	7.075	6.755	6.770	6.470	6.975	6.689	6.762	6.782	6.828	6.780	6.850	6.816	6.871	7.052	6.923	6.588	6.871	7.092	
1433311	at	D530031A16Rik	AK021303	NA	16	6.948	6.935	6.762	6.754	6.856	7.019	6.674	6.835	6.877	7.143	6.834	6.978	6.869	6.882	6.982	6.919	6.875	6.941	6.760	6.665	6.849	6.952	6.741	7.008	
1433312	at	2700057C20Rik	AK012449	NA	7	4.762	4.625	4.604	4.846	4.867	4.740	4.945	4.968	4.810	4.753	4.527	4.829	4.831	4.668	4.726	4.833	5.050	4.909	4.882	4.859	4.825	4.902	4.803	4.921	
1433313	at	6720454L07Rik	AK020125	NA	11	5.398	5.255	5.510	5.242	5.330	5.284	5.364	5.396	5.441	5.031	5.465	5.157	5.311	5.403	5.273	5.262	5.363	5.514	5.407	5.525	5.453	5.255	5.479	5.546	
1433314	at	4930486A15Rik	AK015629	NA	11	6.059	6.066	5.861	6.208	6.083	6.016	6.003	5.927	6.199	6.151	6.252	6.115	6.042	6.362	5.901	5.999	5.789	6.040	6.044	6.016	5.931	5.859	5.954	6.067	
1433315	at	4930486A15Rik	AK015629	NA	11	5.973	5.789	5.917	5.925	5.884	5.887	5.984	5.973	5.887	5.757	6.150	5.829	5.948	6.108	5.932	5.817	5.915	6.043	5.908	6.007	5.958	5.726	5.937	5.878	
1433316	at	4930477015Rik	AK015582	NA	5	5.990	5.879	5.966	6.013	5.793	5.912	6.120	5.746	5.923	5.719	5.929	5.747	5.849	5.837	5.864	5.786	6.021	5.942	6.064	6.163	5.779	5.961	5.855	5.802	
1433317	at	4930477015Rik	AK015582	NA	5	6.222	6.029	6.326	6.186	6.191	6.269	6.245	6.167	6.006	6.049	6.191	6.118	6.060	6.060	6.291	6.175	6.332	6.158	6.275	6.348	6.265	6.208	6.217	6.200	
1433318	at	5430416B10Rik	AK017313	NA	2	5.851	5.589	5.793	5.749	5.574	5.864	5.942	5.761	5.743	5.697	5.987	5.849	5.819	5.760	5.874	5.845	5.746	5.827	5.733	5.654	5.832	5.761	5.836	6.054	
1433319	at	Sh3bar	AK017399	Mm.28638	16	5.755	5.351	5.810	5.788	5.721	5.766	5.824	5.653	5.736	5.456	5.590	5.715	5.873	5.886	5.723	5.750	5.820	5.637	5.648	6.095	5.865	5.752	5.771	5.902	
1433320	at	4930519N06Rik	AK015846	Mm.159420	11	5.825	5.708	5.845	5.773	5.724	5.687	5.619	5.792	5.715	5.607	5.820	5.669	5.706	5.996	5.820	5.620	5.656	5.712	5.861	6.146	5.625	5.543	5.798	5.527	
1433321	at	9430087B13Rik	AK020508	NA	5	8.490	8.148	8.440	8.341	8.159	8.314	8.318	8.357	8.051	8.073	8.433	8.237	8.153	8.281	8.300	8.388	8.450	8.280	8.315	8.260	8.361	8.135	8.296	8.267	
1433322	at	4930529F21Rik	AK015932	Mm.399298	NA	6.245	5.899	6.166	6.054	5.916	5.763	5.944	6.019	5.782	5.768	5.893	6.009	5.840	5.650	5.867	5.963	5.961	6.021	5.934	5.981	6.141	5.759	6.093	6.267	
1433323	at	4930529F21Rik	AK015932	Mm.399298	NA	7.075	6.961	7.134	7.291	6.889	7.001	6.996	7.150	7.004	6.897	7.115	6.909	7.070	7.138	6.858	7.213	7.012	6.999	6.999	7.087	7.115	7.053	7.093	7.181	
1433324	at	9330154F10Rik	AK020373	NA	4	5.483	5.077	5.453	5.406	5.142	5.407	5.378	5.229	5.300	5.121	5.344	5.070	5.260	5.259	5.150	5.230	5.215	5.194	5.221	5.246	5.265	5.178	5.346	5.351	
1433325	at	9330154F10Rik	AK020373	NA	4	4.701	4.507	4.330	4.627	4.772	4.419	4.581	4.618	4.718	4.576	4.607	4.523	4.668	4.613	4.535	4.579	4.402	4.544	4.594	4.570	4.556	4.475	4.221	4.526	
1433326	at	4930488N24Rik	AK015649	Mm.359615	17	7.154	6.758	7.418	7.183	7.033	7.142	7.345	7.094	6.694	6.862	7.144	6.747	6.821	7.007	6.928	7.066	7.142	7.073	7.130	7.253	7.139	7.118	7.037	7.149	
1433327	at	1700095A21Rik	AK007074	Mm.444300	4	6.244	5.600	6.060	6.128	6.140	6.054	6.137	6.207	5.901	5.899	6.260	6.095	5.976	6.041	6.176	6.094	6.108	6.999	6.373	6.296	6.390	6.277	6.398	6.316	
1433328	at	1700095A21Rik	AK007074	Mm.444300	4	5.023	4.936	5.166	5.210	5.019	4.867	5.069	4.862	4.824	4.904	5.129	4.763	4.901	5.256	4.935	5.015	5.025	4.969	5.029	5.162	4.880	5.013	4.923	5.042	
1433329	at	4930573C08Rik	AK016287	NA	15	7.679	7.230	7.415	7.718	7.655	7.500	7.618	7.636	7.588	7.406	7.826	7.266	7.712	7.653	7.580	7.750	7.621	7.965	7.625	7.803	7.626	7.498	7.576	7.652	
1433330	at	4933401J01Rik	AK016604	NA	1	6.106	5.945	6.458	6.282	6.266	6.268	6.407	6.203	5.886	5.968	6.233	6.206	6.184	6.198	6.303	6.366	6.241	6.292	6.483	6.239	6.381	6.297	6.035	5.948	
1433331	at	4933401J01Rik	AK016604	NA	10	6.954	6.374	6.422	6.244	6.318	6.424	6.274	6.325	6.046	6.244	6.325	6.184	6.244	6.325	6.184	6.244	6.325	6.184	6.244	6.325	6.184	6.244	6.325	6.184	6.244
1433332	at	C030004M13Rik	AK021045	NA	17	7.171	6.727	7.007	7.000	6.970	6.946	7.065	6.846	6.799	6.925	7.034	6.860	6.924	6.939	6.998	6.998	7.027	7.173	7.226	7.032	7.146	6.892	6.976	7.092	
1433333	at	C030004M13Rik	AK021045	NA	17	7.027	6.881	6.909	7.194	6.994	6.859	7.148	6.948	6.938	6.856	7.319	6.979	7.228	6.892	7.099	6.829	6.964	6.892	6.919	7.031	7.155	7.043	7.136	7.154	
1433334	at	1700024P12Rik	AK006113	Mm.390932	17	9.125	8.832	9.026	9.034	8.997	8.897	8.962	8.948	8.953	8.856	8.914	8.907	8.976	8.938	8.923	9.045	9.036	8.921	8.987	8.971	9.089	8.916	9.009	9.070	
1433335	at	4930405G09Rik	AK015097	NA	7	4.217	4.210	4.297	4.316	4.308	4.073	4.446	4.280	4.097	4.310	4.292	4.049	4.164	4.346	4.252	4.200	4.268	4.315	4.307	4.426	4.397	4.303	4.290	4.156	
1433336	at	4930405G09Rik	AK015097	NA	7	7.524	7.270	7.761	7.359	7.353	7.736	7.450	7.579	7.349	7.135	7.700	7.168	7.404	7.452	7.468	7.431	7.463	7.796	7.508	7.764	7.512	7.308	7.549	7.333	
1433337	at	6720460K10Rik	AK020136	NA	2	5.651	5.030	5.852	5.537	5.228	5.994	5.482	5.425	5.433	5.349	5.797	5.254	5.488	5.508	5.587	5.615	5.570	5.545	5.646	5.791	5.478	5.543	5.690	5.635	
1433338	at	6720460K10Rik	AK020136	NA	2	7.771	7.536	7.585	7.779	7.828	7.814	7.722	7.726	7.694	7.561	7.784	7.692	7.734	7.674	7.766	7.887	7.755	7.817	7.595	7.824	7.777	8.099	7.973	7.820	
1433339	at	6720460K10Rik	AK015071	NA	7	6.083	6.809	7.035	6.456	6.392	6.902	6.998	7.529	7.452	6.745	6.261	6.667	6.739	6.709	6.996	6.996	7.110	6.996	7.086	6.985	6.926	6.588	6.926	6.998	
1433340	at	4930480K02Rik	AK015601	NA	6	6.408	6.082	6.535	6.420	6.236	6.395	6.502	6.186	6.214	6.153	6.652	6.329	6.209	6.421	6.300	6.556	6.434	6.248	6.495	6.609	6.500	6.298	6.482	6.280	
1433341	at	5730416F02Rik	AK017567	Mm.307276	X	6.187	6.550	5.999	6.045	5.824	5.963	6.014	5.939	5.885	5.672	5.755	5.798	5.918	5.914	6.022	5.932	5.970	5.930	5.956	6.191	5.997	5.918	6.275	5.971	
1433342	at	5730416F02Rik	AK017567	Mm.307276	X	5.220	5.382	5.172	5.151	5.398	5.177	5.152	5.428	5.332	5.216	5.194	5.303	5.232	5.206	5.119	5.216	5.137	5.081	5.129	5.045	5.117	5.316	5.216	5.485	
1433343	at	4930448K20Rik	AK005798	NA	4	5.327	5.129	5.149	5.190	4.525	5.053	5.040	4.917	4.868	4.821	4.943	4.928	5.002	4.915	4.989	5.111	5.122	5.029	4.995	4.908	5.175	5.078	5.009	5.383	
1433344	at	4930448K20Rik	AK005798	NA	4	7.773	7.234	7.690	7.473	7.428	7.807	7.745	7.556	7.383	7.259	7.642	7.449	7.529	7.542	7.621	7.811	7.543	7.615	7.740	7.795	7.613	7.472	7.636	7.674	
1433345	s at	4930448K20Rik	AK005798	NA	4	6.945	6.940	7.013	6.984	6.909	6																			

1433394	at	Mast4	AK015170	Mm.202606	13	6.640	6.708	6.734	6.786	6.697	6.624	6.680	6.835	6.635	6.712	6.872	6.478	6.684	6.896	6.702	6.917	6.876	6.811	6.815	6.749	6.833	6.587	7.004	6.845	
1433395	at	4921504P13Rik	AK014815	NA	5	7.489	7.120	7.484	7.362	7.253	6.988	7.288	7.294	7.275	7.127	6.374	7.024	7.262	7.279	7.129	7.410	7.335	7.029	7.278	7.326	7.602	7.737	7.231	7.170	
1433396	at	4921504P13Rik	AK014815	NA	5	6.943	6.706	6.777	6.707	6.606	6.666	6.962	6.727	6.692	6.724	6.718	6.661	6.750	6.953	6.621	6.805	6.801	6.842	6.677	6.727	6.914	6.532	6.799	6.782	
1433397	at	9430012M22Rik	AK020412	NA	3	5.323	5.250	5.340	5.151	5.294	5.284	5.293	5.221	5.216	5.258	5.484	5.292	5.369	5.498	5.174	5.362	5.282	5.368	5.245	5.311	5.076	5.254	5.119	5.196	
1433398	at	9430012M22Rik	AK018025	Mm.291089	13	6.380	6.217	6.360	6.427	6.166	6.419	6.490	6.379	6.491	6.470	6.339	6.438	6.430	6.589	6.353	6.433	6.149	6.202	6.428	6.421	6.205	6.216	6.396	6.372	
1433399	at	2900078111Rik	AK013802	NA	10	6.285	5.999	6.315	6.157	6.014	6.158	6.014	6.019	5.898	6.019	5.226	6.086	6.044	6.122	6.281	6.110	6.002	6.085	6.155	6.244	6.194	5.870	6.102	6.613	
1433400	at	5033005D04Rik	AK019887	NA	8	7.052	6.676	6.829	6.960	7.086	6.995	6.972	7.131	6.995	6.752	7.144	6.734	6.888	6.936	6.892	6.935	6.858	6.930	6.922	7.085	7.110	6.895	6.965	6.882	
1433401	at	5033405D04Rik	AK019887	NA	8	8.579	8.015	8.409	8.487	8.293	8.196	8.388	8.361	8.308	8.017	8.447	8.202	8.350	8.148	8.378	8.380	8.409	8.401	8.430	8.531	8.365	8.302	8.451	8.334	
1433402	at	4930451E08Rik	AK015439	NA	4	6.814	6.766	6.822	6.856	6.893	6.792	6.905	6.745	6.513	6.782	6.865	6.604	6.656	6.701	7.033	6.683	6.849	6.871	6.927	7.012	6.755	6.602	6.927	6.617	
1433403	at	2810489J07Rik	AK013453	Mm.449998	5	6.991	6.519	6.800	7.038	6.908	6.558	6.828	6.872	6.765	6.840	6.927	6.774	6.974	6.851	6.706	6.799	7.061	6.961	6.783	6.895	7.054	6.872	6.925	6.933	
1433404	at	4930423O20Rik	AK015192	Mm.427302	16	4.199	4.102	4.132	4.455	4.008	4.204	4.155	4.071	4.046	4.155	4.168	4.145	4.215	4.172	4.026	4.090	4.220	4.032	4.123	4.200	4.135	4.486	4.167	4.142	
1433405	at	1700084K02Rik	AK006995	Mm.426081	19	5.703	5.094	5.626	5.610	5.317	5.455	5.544	5.360	5.378	5.349	5.524	5.247	5.357	5.414	5.480	5.532	5.481	5.514	5.533	5.493	5.328	5.175	5.341		
1433406	at	1700084K02Rik	AK006995	Mm.426081	19	5.561	5.321	5.584	5.373	5.226	5.430	5.575	5.692	5.411	5.440	5.442	5.224	5.181	5.096	5.329	5.525	5.488	5.532	5.603	5.410	5.595	5.382	5.380	5.479	
1433407	at	Mcm10	AK010648	Mm.23828	2	6.731	6.731	6.696	6.807	6.779	6.626	6.683	7.040	6.529	6.508	6.794	6.526	6.613	6.689	6.531	6.706	6.839	6.494	6.536	6.793	6.898	6.770	6.668	6.756	
1433408	a at	Mcm10	AK010648	Mm.23828	2	7.947	8.281	7.756	7.820	7.986	7.837	7.936	8.085	8.247	7.823	8.201	7.750	7.856	8.451	7.806	7.704	7.740	7.634	7.950	7.891	7.850	7.679	8.054	7.719	
1433409	at	C030014009Rik	AK021082	Mm.462992	2	6.951	6.386	6.725	6.839	6.631	6.701	6.679	6.875	6.766	6.499	6.680	6.759	6.629	6.641	6.692	6.596	6.746	6.574	6.700	6.867	6.793	6.635	6.769	6.817	
1433410	at	C030014009Rik	AK021082	Mm.462992	2	6.348	6.059	6.185	6.253	6.132	6.174	6.189	6.408	6.030	5.996	6.140	6.095	6.189	6.074	6.218	6.290	6.322	6.497	6.360	6.457	6.330	6.149	6.350	6.178	
1433411	at	5730446C15Rik	AK017641	Mm.28796	19	7.340	7.054	7.032	7.049	7.019	6.983	7.150	7.355	6.968	6.921	7.170	7.079	7.088	7.227	7.045	7.136	7.258	7.132	7.057	6.960	6.938	7.072	6.912	7.106	
1433412	at	5730446C15Rik	AK017641	Mm.28796	19	7.690	7.493	7.624	7.748	7.662	7.612	7.576	7.832	7.660	7.641	7.510	7.721	7.710	7.449	7.583	7.720	7.851	7.770	7.540	7.607	7.835	7.717	7.673	7.430	
1433413	at	Nrxn1	AK006863	Mm.312068	17	7.786	7.266	7.662	7.621	7.669	7.548	7.711	7.603	7.713	7.487	7.868	7.555	7.645	7.512	7.610	7.669	7.695	7.613	7.858	7.843	7.622	7.481	7.656	7.588	
1433414	at	9530086P17Rik	AK020658	NA	14	5.672	5.309	5.470	5.581	5.421	5.612	5.658	5.529	5.481	5.403	5.565	5.443	5.548	5.444	5.564	5.538	5.484	5.544	5.577	5.541	5.455	5.501	5.586		
1433415	at	Rfx2	AK017377	Mm.102	17	5.876	5.584	5.562	6.011	5.579	5.637	5.613	5.561	5.800	5.484	5.778	5.620	5.617	5.521	5.240	5.796	5.531	5.632	5.865	5.570	5.854	5.430	5.931	5.955	
1433416	at	C030014009Rik	AK021082	Mm.462992	2	6.215	5.442	6.014	6.017	6.059	5.893	5.936	5.960	5.948	5.661	6.081	6.023	6.003	6.026	5.741	6.174	5.976	5.938	6.019	5.957	6.027	5.970	6.148	6.097	
1433417	at	8030497O21Rik	AK020225	NA	NA	5.390	5.458	5.210	5.340	5.264	5.403	5.327	5.366	5.335	5.324	5.176	5.300	5.427	5.350	5.286	5.208	5.501	5.297	5.439	5.215	5.399	5.348	5.329	5.237	
1433418	at	4930405A07Rik	AK015090	NA	11	5.668	5.605	5.541	5.779	5.570	5.560	5.460	5.748	5.522	5.807	5.570	5.359	5.673	5.554	5.632	5.567	5.561	5.591	5.646	5.595	5.579	5.499	5.809	5.825	5.611
1433419	at	4930405A07Rik	AK015090	NA	11	6.148	6.045	6.299	6.142	6.220	6.208	6.266	6.292	6.469	6.316	5.997	6.175	6.343	6.069	6.280	6.268	6.413	6.329	6.365	6.352	6.579	6.496	6.275	6.398	6.399
1433420	at	4930527J03Rik	AK015919	Mm.351320	1	7.096	6.717	6.164	6.585	5.718	6.179	6.216	6.487	6.246	6.109	6.161	6.076	6.093	6.589	6.572	6.716	7.043	6.063	6.428	6.421	6.205	6.216	6.396	7.047	
1433421	at	4930527J03Rik	AK015919	Mm.351320	1	8.396	8.322	8.405	8.621	8.472	8.516	8.392	8.511	8.440	8.391	8.461	8.421	8.291	8.398	8.457	8.425	8.576	8.576	8.966	8.394	8.656	8.821	8.429	8.565	
1433422	at	2210080N01Rik	AK008679	Mm.3507	2	6.809	6.877	6.899	6.957	6.996	6.746	6.858	6.834	7.217	6.773	6.959	7.036	6.871	6.827	7.217	6.833	6.848	6.939	6.896	6.980	7.076	7.214	7.053	6.943	
1433423	at	2210080N01Rik	AK008679	Mm.3507	2	6.037	6.040	5.819	5.980	5.981	5.683	5.746	6.096	5.923	5.895	6.047	6.071	6.102	5.989	5.836	6.046	6.156	5.996	5.955	5.567	6.156	6.169	6.079	5.801	
1433424	at	1700111J19Rik	AK007108	Mm.330696	1	4.891	4.693	4.863	4.978	4.988	4.724	4.935	5.075	4.680	4.666	4.765	5.029	4.832	4.646	4.835	5.051	5.165	4.887	4.845	5.035	5.130	5.150	4.902	5.114	
1433425	at	1700111J19Rik	AK007108	Mm.330696	1	8.316	7.925	8.247	8.110	8.082	8.122	8.231	8.243	7.938	7.939	8.032	7.955	8.116	8.139	8.285	8.119	8.138	8.043	8.305	8.176	7.974	8.276	8.194		
1433426	at	Tlll13	AK007167	Mm.276780	7	6.020	5.940	6.164	6.187	6.245	6.225	6.257	6.167	6.232	6.166	6.228	6.158	6.220	6.167	6.155	6.010	6.156	6.183	6.178	6.146	6.174	6.232	6.214	6.157	
1433427	at	Tlll13	AK007167	Mm.276780	7	6.172	6.194	5.979	6.138	6.218	6.107	6.202	6.138	6.088	5.975	6.076	6.113	6.239	6.157	6.010	6.063	6.099	6.045	6.352	6.219	6.208	6.035	6.137	6.087	
1433428	at	Tlll13	AK007167	Mm.276780	7	13.285	12.956	12.782	12.854	12.965	12.548	12.688	12.651	12.465	12.426	12.453	12.700	14.902	13.774	13.845	13.991	13.135	12.985	12.814	12.958	12.733	13.288	13.157	12.968	
1433429	at	Pln16	BB309245	Mm.295908	11	9.341	9.795	9.457	9.524	9.730	9.400	9.390	9.318	9.924	9.908	9.424	9.749	9.846	9.621	9.537	9.538	9.510	9.568	9.551	9.623	9.517	9.423	9.324	9.338	
1433430	s at	Cdc23	AW546409	Mm.196638	18	8.410	8.693	8.459	8.519	8.468	8.319	8.540	8.552	8.602	8.862	8.495	8.759	8.542	8.833	8.444	8.528	8.721	8.660	8.648	8.557	8.582	8.596	8.638	8.407	
1433431	at	Pln16	AI326372	Mm.20407	19	5.644	5.293	5.644	5.516	5.333	5.394	5.415	5.478	5.568	5.133	5.629	5.407	5.384	5.444	5.395	5.425	5.495	5.432	5.413	5.463	5.330	5.180	5.584	5.379	
1433432	x at	Rps12	AI413680	Mm.371846	10	13.647	12.848	13.403	13.572	13.848	13.554	13.555	14.029	14.171	14.047	13.663	14.041	13.923	14.016	13.773	13.330	13.839	13.729	13.380	13.298	13.943	13.942	13.370	13.164	
1433433	at	Myst2	BM225168	Mm.205400	11	9.864	10.023	9.981	9.951	9.920	9.969	9.900	9.664	9.886	10.021	9.899	9.874	9.916	10.016	9.928	9.980	9.735	9.651	9.873	9.856	9.719	9.626	9.920	9.916	
1433434	at	AW551984	Mm.208855	9																										

1433483	s	at	C86187	AU016322	Mm.22314	7	5.481	5.131	5.408	5.411	5.483	5.407	5.155	5.604	5.245	4.869	5.429	5.223	5.298	5.317	5.193	5.368	5.215	5.459	5.470	5.590	5.525	5.359	5.253	5.291
1433484	at		D6Erttd527e	BM228467	Mm.282851	6	5.750	5.623	5.554	5.694	5.734	5.609	5.626	5.912	5.650	5.571	5.532	5.658	5.755	5.538	5.506	5.434	5.547	5.615	5.687	5.692	5.627	5.538	5.634	5.591
1433485	x	at	Gpr56	BF159976	Mm.290834	8	9.898	9.791	9.767	9.715	9.975	9.593	9.305	9.831	9.417	9.910	10.154	9.549	9.726	9.401	9.940	9.805	9.540	9.740	9.520	9.573	10.018	9.916	10.419	10.262
1433486	at		Cln3n	BT739053	Mm.25263	8	9.388	9.068	9.221	9.235	9.058	9.440	9.455	9.007	9.825	9.145	8.607	8.911	8.897	8.944	9.085	9.267	9.166	9.193	9.101	9.197	9.475	9.584	9.489	9.633
1433487	at		Cln3n	BT739053	Mm.25263	8	8.424	8.248	8.235	8.315	8.142	8.444	8.279	7.800	7.943	8.124	8.087	7.989	8.022	8.066	8.074	8.279	8.318	8.244	8.359	8.349	8.308	8.373	8.595	8.581
1433488	x	at	Gnr	BB543167	Mm.207683	10	11.920	11.954	12.228	12.036	11.965	12.016	10.977	11.493	12.049	10.986	11.402	11.722	11.903	11.923	11.891	11.903	11.705	11.705	11.626	11.780	11.746	11.786	11.974	12.007
1433489	s	at	Fofr2	BG873440	Mm.16340	7	7.783	7.462	7.756	7.691	7.590	7.692	7.733	7.529	7.648	7.640	7.741	7.614	7.665	7.701	7.668	7.682	7.601	7.562	7.645	7.799	7.578	7.785	7.761	7.631
1433490	s	at	Epb4.1i2	BE951907	Mm.306026	10	9.636	10.147	9.678	9.789	9.974	10.043	9.672	9.867	10.417	10.386	9.888	9.969	10.218	10.416	10.002	9.698	9.311	9.510	9.586	9.636	9.623	9.696	9.845	9.639
1433491	at		Epb4.1i2	BE951907	Mm.306026	10	6.931	7.767	7.249	7.523	7.427	7.508	7.193	6.562	7.447	7.815	7.406	7.252	7.492	7.846	7.656	7.227	6.379	7.054	7.381	7.337	6.817	6.523	7.305	7.389
1433492	at		Epb4.1i2	BE951907	Mm.306026	10	6.812	6.448	6.763	6.792	6.352	6.606	6.603	6.538	6.576	6.525	6.410	6.343	6.562	6.621	6.650	6.740	6.503	6.273	6.621	6.774	6.744	6.611	6.743	6.808
1433493	at		5730472N09Rik	BI556043	Mm.254974	2	9.232	9.418	9.198	9.346	9.080	9.172	9.224	8.562	8.667	8.856	8.862	9.030	8.750	8.912	8.886	9.362	9.500	9.508	9.251	9.398	9.181	8.679	9.140	9.122
1433494	at		Dos	BB180184	Mm.44231	10	7.349	7.113	7.054	6.970	6.959	7.134	7.015	7.343	7.258	6.929	7.097	7.119	7.191	7.028	7.169	6.949	7.205	7.325	7.173	7.071	7.209	7.204	6.842	6.952
1433495	at		Gt25d1	AV122321	Mm.273836	8	10.184	11.023	10.245	10.304	10.612	10.427	10.369	9.908	11.082	11.066	10.639	10.652	10.828	11.131	10.534	10.318	10.068	10.173	10.327	10.249	9.938	10.288	10.145	
1433496	at		Gt25d1	AV122321	Mm.273836	8	8.079	8.858	8.215	8.190	8.137	8.391	7.946	8.410	8.865	8.781	8.351	9.053	8.908	9.118	8.364	8.289	8.340	8.135	8.266	8.067	8.179	8.242	8.021	7.947
1433497	at		Aqr	B0177893	Mm.2545	2	9.637	9.837	9.724	9.804	9.732	9.825	9.683	9.566	9.659	9.637	9.676	9.643	9.602	9.726	9.656	9.844	9.691	9.754	9.704	9.716	9.513	9.802	9.728	10.038
1433498	at		2010005J08Rik	BF585125	Mm.271657	11	10.075	10.176	10.158	10.139	10.060	9.983	9.964	9.812	9.947	9.951	10.005	10.069	9.989	9.943	10.006	10.272	10.029	10.020	10.169	10.128	9.967	9.754	10.094	10.068
1433499	at		2010005J08Rik	BF585125	Mm.271657	11	8.523	8.662	8.680	8.472	8.466	8.370	8.347	8.046	8.311	8.529	8.624	8.443	8.351	8.448	8.574	8.775	8.314	8.267	8.531	8.583	8.284	8.112	8.577	8.704
1433500	at		Dennnd2a	AV260555	Mm.440021	6	7.632	7.818	7.483	7.919	8.126	7.741	7.639	7.820	8.055	7.893	7.928	7.760	8.028	7.771	7.727	7.574	7.679	7.485	7.625	7.507	7.762	7.752	8.103	7.557
1433501	at		Ctso	BG230336	Mm.254462	3	9.474	9.320	9.758	9.699	9.713	10.002	10.283	8.665	9.518	9.664	9.733	9.669	9.738	9.681	9.675	9.699	10.032	9.736	9.897	9.892	9.855	9.867	9.762	9.584
1433502	s	at	Tsr1	BM213835	Mm.220843	11	8.420	9.969	9.384	8.442	8.415	8.632	8.374	8.624	8.395	8.751	9.395	8.355	8.378	9.949	8.546	8.567	8.396	8.303	8.462	8.401	8.371	8.480	8.639	8.819
1433503	at		Ptor2	BB667090	Mm.246127	12	12.043	11.659	12.078	12.112	11.899	12.006	11.988	11.831	11.314	11.674	11.333	11.772	11.750	11.489	11.854	12.102	12.182	12.123	12.084	12.246	12.058	12.107	12.068	12.137
1433504	at		Pyvb	AW547988	Mm.222584	2	12.536	12.055	12.544	12.725	12.851	12.727	12.490	11.813	11.596	12.182	12.348	12.415	12.239	12.097	13.060	12.623	12.672	12.356	12.609	13.041	12.865	12.453	13.250	13.024
1433505	a	at	Lrrc8d	BB315861	Mm.23837	5	7.906	8.495	7.880	8.125	8.386	8.032	8.142	8.275	8.294	8.124	8.470	8.196	8.190	8.476	8.271	7.922	8.153	8.163	8.058	7.769	7.962	8.124	8.006	7.912
1433506	at		Lrrc8d	BB315861	Mm.23837	5	7.050	6.986	6.821	6.932	7.222	7.044	7.045	7.102	6.947	7.106	7.363	7.074	6.856	7.190	7.317	6.991	6.985	6.916	6.841	7.054	6.920	6.639	7.014	6.985
1433507	a	at	Lrrc100039489	BE553881	Mm.432228	5	11.948	11.824	11.021	11.790	11.924	12.039	11.963	11.925	11.914	12.069	11.961	11.275	11.522	11.668	12.013	12.034	12.042	11.891	11.782	11.959	12.127	12.025	12.184	11.786
1433508	at		Klf6	AV025472	Mm.275036	13	10.348	10.179	9.875	9.620	10.040	9.915	9.850	9.230	10.014	10.057	10.732	9.811	9.720	9.648	10.073	9.910	9.006	9.302	9.197	9.211	9.305	9.353	9.959	10.506
1433509	s	at	Reep1	BM146632	Mm.254632	6	10.348	10.179	9.875	9.620	10.040	9.915	9.850	9.230	10.014	10.057	10.732	9.811	9.720	9.648	10.073	9.910	9.006	9.302	9.197	9.211	9.305	9.353	9.959	10.506
1433510	x	at	100043718	AV216370	Mm.440021	10	10.682	11.167	10.389	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404	10.683	10.404
1433511	at		6330549H03Rik	BB168997	Mm.275728	12	7.088	6.911	7.164	6.638	6.750	6.998	6.912	6.897	6.439	6.957	6.667	6.653	7.073	6.756	6.702	6.931	6.223	6.863	6.852	6.306	6.453	6.732	6.959	7.271
1433512	at		Fil1	BB138212	Mm.258908	9	8.073	8.204	8.146	8.229	8.104	7.942	8.039	8.550	8.248	8.497	8.243	8.513	8.345	8.452	8.464	8.147	8.103	8.181	7.822	8.035	8.256	8.279	7.950	8.264
1433513	x	at	Ndufa12	BF152811	Mm.27886	10	13.424	12.774	13.237	13.061	12.895	13.025	13.184	13.642	12.762	12.603	13.057	13.118	12.888	12.715	12.915	13.120	13.557	13.460	13.136	13.170	13.562	13.580	13.156	13.032
1433514	at		Etnk1	BG066916	Mm.272548	6	10.033	9.969	9.958	10.059	10.103	10.252	10.155	10.038	9.885	9.865	9.909	9.942	9.942	10.046	10.001	9.974	10.313	10.180	10.150	10.156	10.102	10.458	10.228	10.124
1433515	s	at	Etnk1	BG066916	Mm.272548	6	5.129	5.025	5.170	5.188	5.073	5.157	5.075	4.620	5.029	5.112	5.338	4.967	4.893	5.110	5.009	5.369	4.835	5.125	5.493	5.239	4.862	4.801	5.206	5.523
1433516	a	at	Yveov2	BE945188	Mm.30179	1	11.614	11.824	11.515	11.621	12.048	11.520	11.531	12.380	12.116	11.789	11.708	12.443	12.251	11.446	11.704	11.627	12.378	12.241	11.678	11.601	12.262	12.453	11.557	11.279
1433517	at		Lcm2	BM230296	Mm.219449	2	8.475	8.650	8.426	8.557	8.552	8.634	8.354	8.780	8.591	8.624	8.651	8.224	8.651	8.952	8.943	8.597	8.695	8.632	8.522	8.622	8.630	8.653	8.643	8.623
1433518	at		Lcm2	BM120022	Mm.219449	2	8.941	8.874	9.111	8.992	8.799	8.842	8.802	8.828	8.739	8.918	8.820	8.850	8.803	8.905	8.773	9.153	9.091	9.143	9.063	9.043	8.815	8.807	9.070	9.198
1433519	at		Nucks1	AV123899	Mm.392848	1	10.599	10.932	10.841	10.780	10.822	11.158	11.013	10.275	10.643	10.833	10.889	10.576	10.494	11.192	10.826	10.968	10.327	10.754	10.999	10.881	10.289	10.267	10.852	10.799
1433520	at		Scap	BI412871	Mm.288741	9	9.732	10.321	9.763	9.813	10.303	9.698	9.610	10.057	10.373	10.117	9.893	10.357	10.290	9.867	9.860	9.784	10.040	9.924	9.745	9.670	9.909	9.892	9.646	9.591
1433521	at		Ankrd13c	AV104707	Mm.265806	3	10.130	10.182	10.135	10.103	10.093	10.238	10.145	10.156	9.937	10.233	10.207	10.271	10.186	10.203	10.237	10.089	9.843	9.941	10.140	10.045	9.954	10.148	10.041	10.289
1433522	at		Pskh1	BG073986	Mm.																									

1433572	a at	BC010304	AA673192	Mm.475104	13	11.602	12.178	11.890	11.694	11.917	11.875	11.885	11.636	11.922	12.121	11.801	11.885	11.807	12.204	11.896	11.779	11.202	11.512	11.751	11.546	11.355	11.150	11.722	11.986	
1433573	x at	Prs2	BI713841	Mm.276926	6	7.531	7.239	7.546	7.456	7.227	7.276	7.522	7.354	7.340	7.307	7.610	7.284	7.425	7.295	7.302	7.494	7.443	7.404	7.426	7.569	7.457	7.417	7.484	7.356	
1433574	at	Cdc371	BE824561	Mm.78875	19	10.447	9.559	10.10	10.167	10.114	10.277	10.163	9.379	9.018	9.395	9.385	9.611	9.447	9.414	9.655	10.356	9.925	9.748	9.919	9.973	9.848	9.867	10.829	10.583	
1433575	at	Sox4	BG083485	Mm.240627	13	9.461	9.541	9.426	10.481	10.167	10.377	10.198	9.068	9.873	10.183	10.183	10.150	10.263	10.159	10.283	10.061	9.926	10.721	11.175	10.592	9.253	9.518	9.045	9.458	
1433576	at	Prs2	BG063561	Mm.29815	6	10.297	9.774	9.085	9.988	10.369	10.118	10.137	10.104	9.382	9.479	9.758	9.637	9.550	9.324	9.816	10.034	9.898	9.825	9.720	9.899	9.848	10.182	10.222	10.307	
1433577	at	AT730017C20RIK	BB247037	Mm.209711	18	5.299	5.058	5.000	5.300	5.054	5.241	4.935	5.237	5.345	5.062	5.203	5.061	5.431	5.031	5.112	5.160	5.187	5.378	5.379	5.245	5.141	5.079	5.113		
1433578	at	Slic10A4	BE824538	Mm.253661	5	4.930	4.311	4.732	4.541	4.595	4.659	4.761	4.817	4.631	4.677	4.876	4.567	4.702	4.562	4.714	4.602	4.588	4.651	4.800	4.901	4.596	4.528	4.865	4.730	
1433579	at	Tmem30b	BG068678	Mm.251196	12	4.962	4.563	4.639	4.716	4.884	4.565	4.694	4.495	4.689	4.481	4.615	4.622	4.784	4.705	4.732	4.619	4.665	4.703	4.792	4.675	4.826	4.533	4.407	4.652	
1433580	at	Nup54	AW681678	Mm.275289	5	9.142	9.498	9.491	9.185	9.104	9.323	9.278	8.266	9.182	9.433	9.494	9.149	8.965	9.330	9.311	9.426	8.373	8.980	9.282	9.043	8.827	8.441	9.204	9.451	
1433581	at	1190002N15RIK	AV309085	Mm.258746	9	9.771	9.899	9.676	9.492	9.868	9.492	9.894	10.882	10.128	10.360	10.642	10.291	10.075	9.907	10.676	9.524	9.820	9.567	9.217	9.503	10.070	10.229	9.490	10.424	
1433582	at	1190002N15RIK	AV309085	Mm.258746	9	9.283	9.599	9.072	8.774	9.967	9.183	9.330	9.757	9.637	9.967	10.501	9.662	9.640	9.736	10.374	9.171	8.619	8.646	8.831	9.001	9.047	8.959	8.929	9.960	
1433583	at	Zfp365	AV327248	Mm.268346	10	5.911	5.980	5.850	5.749	6.021	6.190	5.974	5.994	6.294	6.494	6.267	6.092	6.080	6.175	6.045	6.004	5.531	5.937	6.106	6.038	5.813	5.496	5.682	5.964	
1433584	at	Tuba1a	BK277130	Mm.439690	15	6.659	6.637	6.616	6.552	6.358	6.571	6.635	6.569	6.526	6.390	6.584	6.460	6.612	6.554	6.624	6.532	6.572	6.589	6.594	6.856	6.600	6.501	6.597	6.817	
1433585	at	Tnfr1	BI695984	Mm.173286	13	10.506	10.593	10.552	10.510	10.670	10.582	10.518	10.256	10.401	10.691	10.443	10.514	10.454	10.701	10.571	10.600	10.216	10.243	10.418	10.280	10.322	10.503	10.496	10.517	
1433586	at	Rqmb	BB612707	Mm.293466	17	8.271	8.225	8.519	8.523	8.359	8.473	8.268	8.109	7.839	8.123	7.989	8.329	8.201	8.188	8.346	8.482	8.306	8.250	8.337	8.256	8.277	7.859	8.487	8.272	
1433587	at	Rqmb	BB612707	Mm.293466	17	5.990	6.151	6.140	6.440	6.381	6.453	6.299	6.082	5.853	5.959	6.030	6.177	6.120	6.005	6.171	6.350	6.105	5.926	6.202	6.190	5.971	5.981	6.544	6.330	
1433588	at	D6Wsu116e	BM238232	Mm.28524	6	7.611	7.964	7.402	7.499	7.805	7.489	7.314	8.211	8.232	8.103	7.554	8.221	7.842	7.860	7.785	7.437	8.010	7.728	7.498	7.092	7.784	8.397	7.325	7.578	
1433589	at	D6Wsu116e	BM238232	Mm.28524	6	8.648	8.746	8.411	8.509	8.530	8.520	8.814	8.823	8.834	8.857	8.888	8.710	8.755	8.582	8.681	8.587	8.767	8.496	8.533	8.615	8.562	8.696	8.437	8.517	
1433590	at	Herc3	BM239854	Mm.191892	6	10.177	9.866	10.214	10.033	9.976	10.133	10.236	9.990	9.276	9.865	10.093	9.830	9.525	9.658	10.094	10.100	10.063	10.173	10.106	10.177	9.913	9.981	10.047	10.012	
1433591	at	Ppp3r1	BF148071	Mm.41840	11	10.498	10.485	10.658	10.582	10.429	10.908	10.637	10.134	10.311	10.572	10.518	10.213	10.231	10.711	10.523	10.756	10.239	10.220	10.608	10.716	10.149	10.289	10.662	10.749	
1433592	at	Calml1	AW543361	Mm.285993	12	9.211	9.614	9.445	9.357	9.796	9.299	9.316	9.339	9.451	9.618	9.328	9.397	9.258	9.287	9.365	9.478	8.940	8.994	8.995	9.137	9.261	9.203	9.047	9.454	
1433593	at	Ype15	BB316456	Mm.277533	17	6.695	7.252	7.180	7.006	7.063	7.185	7.112	7.150	7.702	7.683	7.419	7.326	7.521	7.596	7.318	6.860	7.149	6.948	7.152	6.868	6.844	7.111	6.573	6.910	
1433594	at	Comm2	BI412929	Mm.21901	3	7.489	8.282	7.469	7.743	7.743	7.411	7.525	8.352	8.026	7.717	7.661	7.849	7.776	7.677	7.497	7.089	8.285	8.032	7.573	7.380	7.978	8.257	7.677	7.289	
1433595	at	Sic35d1	BB409668	Mm.281800	4	8.278	8.266	8.236	8.324	8.354	8.278	8.064	8.015	8.358	8.248	8.223	8.398	8.262	8.054	8.050	8.209	8.379	8.286	7.992	7.975	8.249	8.410	8.281	8.154	
1433596	at	Dnaic6	BI075337	Mm.76494	4	7.269	7.006	7.113	7.051	6.967	7.141	7.072	6.984	7.181	6.936	7.067	6.943	7.043	7.161	7.010	7.144	6.892	7.126	6.966	7.179	7.118	7.135	7.100	7.066	
1433597	at	Arlu1	BG093966	Mm.251655	8	11.730	11.735	11.669	11.770	11.800	11.716	11.687	11.777	11.534	11.410	11.571	11.670	11.662	11.527	11.608	11.584	11.874	11.963	11.548	11.681	11.889	11.937	11.565	11.473	
1433598	at	Arlu2	BG093966	Mm.251655	8	8.497	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408	8.408
1433599	at	Baz1a	BM239126	Mm.89568	12	8.753	8.157	8.422	8.283	8.572	8.122	8.194	8.740	9.032	8.948	8.329	8.505	8.295	9.989	8.408	8.469	8.038	7.922	8.437	8.242	8.249	8.449	8.513		
1433600	at	Adra2a	BB262415	Mm.235195	19	4.840	4.988	4.909	4.720	4.837	4.674	4.858	4.863	4.922	4.733	4.888	4.744	4.730	5.037	4.775	4.823	4.763	4.743	4.838	4.975	4.918	4.668	4.829	4.661	
1433601	at	Adra2a	BB262415	Mm.235195	19	4.355	4.289	4.282	4.406	4.326	4.231	4.193	4.470	3.991	4.509	4.681	4.573	4.434	4.223	4.428	4.146	4.506	4.239	4.527	4.213	4.266	4.414	4.338	4.477	
1433602	at	Gabra5	BQ175863	Mm.273114	7	4.515	4.369	4.456	4.457	4.494	4.659	4.481	4.416	4.446	4.446	4.276	4.438	4.438	4.453	4.741	4.568	4.482	4.502	4.735	4.675	4.665	4.421	4.374	4.616	
1433603	at	Ndufs6	C8200	Mm.29897	13	13.894	13.763	13.890	13.979	13.753	13.913	13.953	13.903	13.479	13.344	13.750	13.723	13.616	13.494	13.730	13.952	14.154	14.159	13.995	14.089	14.098	14.059	14.029	13.904	
1433604	x at	Aldoa	BG065457	Mm.275831	7	13.875	13.568	13.843	13.800	13.739	13.624	13.740	13.741	13.392	13.706	13.638	13.870	13.660	13.522	13.723	13.743	13.548	13.757	13.647	13.709	13.786	13.678	13.691	13.779	
1433605	at	Ins2	BB307136	Mm.277096	7	12.291	12.092	12.329	12.297	12.399	12.211	12.322	11.934	11.934	12.228	12.329	12.101	12.011	12.063	12.201	12.417	11.795	12.146	12.275	12.301	11.897	11.873	12.099	12.274	
1433606	at	Cbln4	AV343573	Mm.40555	2	5.559	5.289	5.808	5.468	5.498	5.599	5.578	5.367	5.525	5.295	5.852	5.324	5.516	5.473	5.766	5.805	5.652	5.747	5.869	6.017	5.671	5.261	5.521	5.515	
1433608	at	Sclt2	BB821363	Mm.134147	5	8.036	8.113	7.713	8.117	8.501	8.190	8.476	8.521	8.488	8.301	8.151	8.650	8.388	8.259	8.166	7.832	8.665	8.363	8.235	8.120	8.655	8.638	8.000	8.043	
1433609	s at	Surf2	BB381623	Mm.389260	2	7.310	7.373	7.248	7.295	7.179	7.303	7.245	7.275	6.839	7.108	7.048	7.345	6.823	7.152	7.036	7.215	7.726	7.442	7.472	7.413	7.497	7.502	7.337	7.406	
1433610	at	AA986860	BB522283	Mm.268547	1	4.358	4.214	4.160	4.235	4.428	4.421	4.138	4.398	4.232	4.347	4.049	4.288	4.206	4.215	4.426	4.147	4.175	4.113	4.199	4.238	4.041	4.194	4.059	4.099	
1433611	s at	Bud31	AV132191	Mm.277413	5	9.827	10.032	9.597	9.606	9.947	9.791	9.786	10.461	10.635	9.725	10.064	10.213	10.110	10.083	9.587	9.973	13.101	10.254	9.807	9.942	10.245	10.377	9.674	9.466	
1433612	at	Pam1	BI692833	Mm.333597	7	8.912	9.884	9.924	9.082	9.415	9.060	9.049	9.732	9.958	9.928	10.340	9.676	9.475	9.841	9.208	8.970	9.393	9.374	9.148	9.022	9.394	9.646	8.816	8.820	

1433661	at	Nlrx1	BB830346	Mm.3957	9	8.996	9.083	9.199	9.201	9.105	9.103	8.870	8.940	9.067	9.053	8.599	9.290	9.087	8.952	8.828	9.202	9.367	9.558	9.362	9.275	9.079	9.092	9.072	8.995
1433662	s at	Timp2	BF168458	Mm.206505	11	10.729	10.787	10.595	11.295	11.470	11.540	10.812	10.825	11.443	11.445	10.703	11.645	11.767	11.226	11.553	10.691	10.799	10.945	11.119	10.916	10.893	10.872	10.882	10.820
1433663	s at	Au014645	BM0175324	Mm.389536	4	8.529	9.030	8.806	8.756	8.585	8.835	8.763	8.991	9.077	8.880	8.860	8.999	8.856	9.017	8.689	8.866	8.905	8.832	8.805	8.673	8.641	9.012	8.658	8.826
1433664	at	Ube2a2	BM202586	Mm.207894	9	7.820	7.408	8.048	7.782	7.428	7.880	7.950	8.659	7.139	7.595	7.693	7.337	7.447	6.735	7.786	7.885	8.897	7.437	7.766	7.668	7.300	7.349	7.844	8.231
1433665	at	Vps41	AW536822	Mm.27298	13	9.459	9.675	9.544	9.738	9.748	9.588	9.495	9.514	9.834	9.336	9.535	9.840	9.855	9.652	9.819	9.651	9.517	9.619	9.711	9.719	9.518	9.579	9.540	9.643
1433666	s at	Vps41	AW536822	Mm.27389	13	9.639	9.806	9.736	9.971	9.966	9.803	9.559	9.734	10.022	9.957	9.475	9.993	10.005	9.598	9.725	9.766	9.955	9.733	9.677	9.722	9.777	9.946	9.623	9.752
1433667	at	Lpd3	BB179847	Mm.41708	14	6.592	6.648	6.297	6.874	6.833	6.865	6.640	6.523	6.555	6.393	6.479	6.556	6.717	6.530	6.680	6.670	7.273	7.222	6.935	7.142	7.066	6.599	7.087	6.870
1433668	at	Pnrc1	BI410130	Mm.27769	4	12.375	11.845	12.199	12.036	12.159	11.572	11.743	11.695	11.850	11.985	11.770	12.266	12.087	11.422	12.159	11.976	12.248	11.976	11.698	11.766	12.322	12.276	12.461	11.973
1433669	at	Akap8	BB037566	Mm.328945	17	10.134	9.983	10.372	10.291	10.124	10.443	10.253	9.932	9.691	9.810	9.657	9.965	9.920	10.440	9.950	10.303	10.243	10.266	10.316	10.294	10.063	10.211	10.126	10.122
1433670	at	Emp2	BE571790	Mm.246009	16	9.680	10.254	9.669	9.885	10.080	9.984	9.996	10.124	10.434	10.361	9.813	10.309	10.410	10.242	10.202	9.724	10.461	10.292	10.433	10.117	10.245	10.343	9.958	9.942
1433671	at	AI30022J51Rik	BI149851	Mm.251789	6	8.511	8.618	8.520	8.513	8.527	8.270	8.446	8.609	8.941	8.901	8.516	8.658	8.884	8.895	8.753	8.579	8.475	8.446	8.546	8.517	8.496	8.507	8.608	8.651
1433672	at	4732479ND6Rik	AV119970	Mm.289368	X	10.275	9.702	10.264	10.221	9.898	10.181	10.094	9.903	9.337	9.645	9.588	9.606	9.630	9.647	9.883	10.285	10.162	10.111	10.047	10.163	10.292	10.355	10.198	10.210
1433673	at	E130309D14Rik	BM069691	Mm.274369	11	5.956	5.598	5.902	5.941	5.949	5.671	5.825	5.871	5.845	5.710	5.876	5.873	5.924	9.955	5.832	5.932	6.285	5.871	6.157	6.053	6.68	5.967	5.990	6.187
1433674	a at	Snord22	BO171737	Mm.292489	19	8.638	9.292	8.201	8.316	9.038	8.640	8.235	8.773	9.230	9.033	9.357	9.305	9.319	8.997	9.021	8.105	8.640	8.487	8.406	8.156	8.642	8.610	8.005	8.343
1433675	at	Snord22	BO171737	Mm.292489	19	8.431	8.793	7.963	8.273	8.743	8.485	8.189	8.526	8.968	8.706	9.306	9.039	8.995	8.729	8.689	8.108	8.683	8.533	8.504	8.100	8.708	8.634	8.093	8.151
1433676	at	Wnk1	BM232571	Mm.333349	6	13.080	12.906	12.976	13.272	13.323	13.271	13.410	13.129	12.750	13.026	13.099	13.215	13.132	12.992	13.092	13.111	13.105	13.036	13.063	13.101	13.117	13.222	13.334	13.398
1433677	at	Sfrs8	AV327910	Mm.288714	5	8.864	8.889	8.809	8.840	9.105	8.732	8.558	8.729	8.996	9.037	8.891	9.176	9.044	8.820	8.887	8.979	9.064	9.009	8.757	8.918	9.100	9.107	8.805	8.813
1433678	at	Plid4	BB210623	Mm.203915	12	7.578	9.076	7.376	7.801	8.352	7.866	7.906	7.925	9.105	8.651	8.756	8.392	8.492	8.669	7.895	7.348	7.751	7.633	7.608	7.300	7.762	7.783	7.088	7.180
1433679	at	Fubp3	BB399719	Mm.207261	2	5.971	6.656	6.034	6.098	6.349	6.190	6.164	6.122	6.548	6.770	6.037	6.485	6.179	6.430	6.416	6.074	6.035	5.956	6.195	5.800	5.882	6.257	6.059	5.778
1433680	x at	Siva1	AV216351	Mm.289812	12	9.272	9.214	9.044	9.056	8.778	8.968	9.096	9.115	8.951	8.701	8.502	8.906	8.693	8.918	8.985	8.939	9.557	9.237	8.857	9.085	9.552	9.594	9.067	9.068
1433681	x at	Capn3	AI323605	Mm.195877	2	8.121	7.535	8.227	7.950	7.685	7.851	8.042	7.918	7.330	7.680	7.687	7.695	7.477	7.573	7.945	8.078	7.837	7.600	7.845	7.719	7.845	7.940	7.612	7.878
1433682	at	Rhnqel17	BE287052	Mm.29954	7	9.368	9.320	9.357	9.435	9.481	9.481	9.208	9.316	9.264	9.281	9.171	9.263	9.305	9.046	9.170	9.410	9.314	9.465	9.297	9.332	9.176	9.315	9.319	9.210
1433683	at	Rbm35b	BF124648	Mm.183003	8	7.450	7.417	7.343	7.307	7.326	7.225	7.352	7.260	7.241	7.263	7.295	7.300	7.271	7.504	7.384	7.403	7.314	7.490	7.338	7.566	7.232	7.267	7.486	7.311
1433684	at	Chmp6	BI652903	Mm.306673	11	9.195	9.648	9.157	9.347	9.341	9.216	9.191	9.353	9.602	9.391	9.288	9.337	9.301	9.418	9.212	8.969	9.441	9.612	9.448	9.281	9.451	9.368	9.322	9.015
1433685	a at	6430706D22Rik	BM484225	Mm.384762	1	8.025	9.941	8.815	8.228	8.568	8.504	8.988	8.405	9.109	9.080	9.384	8.244	8.751	9.162	8.641	8.923	7.480	7.868	8.198	7.968	7.809	8.032	8.206	7.555
1433686	at	Cabin1	BB192141	Mm.257404	10	7.890	8.421	7.814	7.963	8.181	7.818	7.737	8.253	8.203	8.034	7.999	8.484	8.256	8.046	7.789	7.846	8.270	7.806	7.892	8.024	7.762	8.176	8.234	7.827
1433687	at	Edc3	BM543659	Mm.289610	17	8.543	8.669	8.665	8.695	8.507	8.117	8.657	8.711	8.345	8.617	8.415	8.941	8.565	8.594	8.558	8.868	8.517	8.593	8.517	8.593	8.517	8.593	8.517	8.593
1433688	s at	Rps10	BE993872	Mm.268010	9	12.493	13.001	12.372	12.495	12.426	12.62	12.523	12.629	12.599	12.702	12.699	12.599	12.551	12.830	12.377	12.712	12.688	12.712	12.581	12.399	12.712	12.581	12.399	12.581
1433689	s at	Rps10	BI456571	Mm.13944	7	12.144	12.635	12.033	12.398	12.458	12.323	12.007	12.724	12.630	12.338	12.429	12.829	12.591	12.407	12.204	12.007	13.064	12.652	12.224	12.256	12.771	12.886	11.795	11.977
1433690	at	222016L21Rik	BG076998	Mm.292672	5	8.568	8.846	8.415	8.559	8.712	8.411	8.194	8.720	8.656	8.421	8.317	8.921	8.566	8.404	8.251	8.392	8.761	8.724	8.651	8.492	8.624	8.571	8.175	8.062
1433691	at	Ppp1r3c	BP076864	Mm.24724	19	12.687	12.426	12.991	12.967	13.167	12.823	12.830	12.751	12.716	12.975	12.871	13.277	13.143	12.530	13.083	13.075	12.388	12.396	12.387	12.477	12.652	12.613	13.080	13.144
1433692	at	Nat10	BM202638	Mm.288005	2	8.526	8.868	8.391	8.611	8.578	8.688	8.646	8.594	8.390	8.185	8.595	8.585	8.512	8.741	8.308	8.428	8.591	8.642	8.631	8.471	8.561	8.551	8.605	8.547
1433693	x at	Vamp3	BB491065	Mm.273930	4	6.735	6.921	6.830	6.940	6.893	7.019	7.010	6.896	6.960	7.026	7.034	6.967	6.971	7.182	6.927	6.967	6.663	6.771	6.840	6.905	6.684	6.901	6.973	6.990
1433694	at	Pde3b	AV270888	Mm.403730	7	8.843	9.040	8.682	8.693	9.146	9.112	8.962	8.974	9.358	9.41	9.204	9.828	9.251	9.302	9.259	8.828	8.721	8.748	8.943	8.727	8.943	8.648	8.741	8.934
1433695	at	Cnrl1	BM023562	Mm.288010	12	9.080	9.497	7.804	7.975	10.857	10.863	7.989	9.354	8.737	8.580	8.065	8.697	8.686	8.932	8.761	7.952	8.140	8.241	8.140	8.241	8.140	8.241	8.140	8.241
1433696	at	Hn1l	AV116987	Mm.371601	17	7.498	9.306	7.724	7.916	8.351	8.147	8.172	7.472	8.596	8.660	8.428	8.016	8.067	9.394	8.168	7.737	7.525	7.405	8.025	7.856	7.145	7.332	7.917	7.903
1433697	at	Pat1l	BM245529	Mm.42711	19	10.047	9.819	10.130	10.070	9.787	10.061	10.034	9.736	9.592	9.755	10.146	9.644	9.724	8.949	9.959	10.109	9.833	9.872	9.959	9.991	9.886	9.780	10.081	10.414
1433698	a at	Tnfr4a	AV552577	Mm.172411	18	10.685	10.987	10.637	10.666	10.688	10.707	10.587	10.657	10.783	10.628	10.709	10.677	10.740	10.731	10.540	10.587	10.669	10.612	10.650	10.534	10.542	10.493	10.445	10.297
1433699	at	Tnfr1p3	BM241351	Mm.116683	10	8.381	8.303	8.325	8.302	7.913	8.235	8.349	7.942	8.389	8.279	9.564	8.337	8.269	8.424	7.943	8.188	8.186	8.141	8.152	8.127	7.857	8.020	8.777	8.054
1433700	at	4933433P14Rik	BB477807	Mm.248019	12	9.404	10.109	9.433	9.665	9.861	9.535	9.704	9.678	10.223	10.251	9.754	10.076	10.020	10.063	9.840	9.517	9.446	9.520	9.639	9.546	9.340	9.437</		

1433750	at	Slc31a1	AV287019	Mm.248637	4	7.983	8.566	8.390	8.114	8.153	8.348	8.186	8.068	8.285	8.237	7.985	8.215	8.031	8.301	8.065	8.391	8.269	8.442	8.321	8.171	7.838	8.094	7.713	8.136		
1433751	at	Slc39a10	BM250411	Mm.233889	1	9.385	9.924	9.616	9.246	9.635	9.596	9.706	9.627	9.769	10.009	10.009	10.009	9.735	9.727	9.738	10.204	9.925	9.558	8.895	8.990	9.117	9.049	9.220	9.286	9.765	9.150
1433752	x	at	D030016E14Rik	B0706254	Mm.39461	8	8.838	8.927	8.793	8.943	8.897	8.836	8.838	8.981	8.926	8.870	8.452	8.855	8.924	8.969	8.664	8.834	9.051	8.895	8.896	8.723	8.920	8.851	8.788	8.614	
1433753	x	at	Eral1	AI505281	Mm.21096	11	9.226	8.959	9.175	9.200	8.900	9.201	9.176	8.817	8.805	8.905	8.735	8.908	8.778	8.807	8.878	9.156	9.111	9.408	9.222	9.241	9.143	9.135	9.156	9.212	
1433754	at	Hm12	B1452713	Mm.238266	14	11.779	11.801	11.680	11.549	11.599	11.670	11.627	11.658	11.463	11.712	11.712	11.443	11.482	11.274	11.575	11.676	11.794	11.477	11.311	11.316	11.427	11.685	11.795	11.671	11.858	
1433755	at	Mier1	BM236206	Mm.288351	4	8.473	8.387	8.395	8.417	8.550	8.462	8.468	8.820	8.467	8.545	8.557	8.501	8.442	8.557	8.501	8.442	8.759	8.416	8.514	8.831	8.322	8.188	8.543	8.770	8.468	8.571
1433756	at	Rhobd3	B1452674	Mm.172064	4	8.232	8.635	8.101	8.257	8.668	8.343	8.237	8.448	8.732	8.662	8.103	8.778	8.751	8.257	8.440	8.152	8.620	8.630	8.594	8.478	8.565	8.750	8.745	8.445	8.223	
1433757	a	Nisch	BB025231	Mm.298728	14	8.011	8.433	8.273	8.351	8.605	8.501	8.208	8.457	8.933	8.778	8.148	8.928	8.836	8.455	8.602	8.085	8.190	8.360	8.209	8.082	8.391	8.812	8.542	8.161		
1433758	at	Nisch	BB025231	Mm.298728	14	9.336	9.327	9.275	9.408	9.434	9.442	9.236	9.126	9.497	9.384	9.141	9.446	9.552	9.446	9.365	9.312	9.128	9.157	9.239	9.295	9.322	9.249	9.544	9.252		
1433759	at	Dpy19l1	BE949451	Mm.38526	9	7.960	9.243	7.900	8.189	8.789	8.865	8.127	8.560	9.312	9.135	8.449	8.824	9.021	8.967	8.707	8.037	8.058	8.061	8.035	7.703	8.013	8.262	7.703	7.849		
1433760	a	Rhbd3	AV075392	Mm.260866	11	9.799	9.576	9.670	9.700	9.606	9.467	9.622	9.661	9.532	9.521	8.472	8.621	9.501	9.468	9.520	9.707	9.775	9.759	9.599	9.612	9.734	9.927	9.864	9.744	9.670	
1433761	at	Rhd4dp	BM374669	Mm.129840	3	6.937	7.191	7.019	6.544	6.994	6.949	6.737	6.819	7.554	7.806	6.802	7.464	7.539	7.294	7.268	6.998	6.020	6.403	6.573	6.267	6.564	6.507	6.652	6.799		
1433762	at	CE30043F03Rik	BM182501	Mm.37541	4	4.901	5.052	5.162	5.002	4.820	5.236	5.216	5.258	4.903	4.671	4.892	4.958	4.984	5.291	5.040	5.030	5.112	5.067	5.029	4.935	5.022	5.429	5.512	5.365		
1433763	at	Entpd5	BB309883	Mm.10211	12	10.185	9.833	10.590	10.774	9.907	10.872	10.518	9.362	8.763	9.145	9.002	9.678	9.443	9.715	9.824	10.572	10.973	10.900	11.302	11.187	10.441	10.654	10.958	10.335		
1433764	at	Clec2l	BB026221	Mm.349066	6	8.533	8.470	8.357	8.570	8.491	8.403	8.459	8.598	8.405	8.235	8.565	8.527	8.477	8.486	8.355	8.395	8.463	8.461	8.424	8.496	8.512	8.438	8.501	8.414		
1433765	at	Ube2o	BB304622	Mm.243950	11	8.766	8.854	8.904	8.991	8.985	8.572	8.322	8.593	8.568	8.743	8.500	8.792	8.569	8.756	8.537	8.989	8.562	8.707	8.717	8.783	8.755	8.520	8.778	8.688		
1433766	at	C330023M02Rik	BG065438	Mm.33919	5	8.408	8.616	8.318	8.441	8.518	8.457	8.467	9.017	8.630	8.460	8.790	8.454	8.687	8.539	8.513	8.534	9.078	8.630	8.476	8.497	8.845	9.017	8.358	8.510		
1433767	at	1110018G07Rik	AV257687	Mm.24446	12	10.135	10.238	10.039	10.420	10.346	10.646	10.362	9.847	9.913	10.031	9.908	10.243	10.167	10.082	10.260	10.256	10.786	10.652	10.661	10.667	10.524	10.666	10.549	10.377		
1433768	at	Pygid	BG071905	Mm.29933	18	11.685	11.736	11.409	11.502	11.975	11.670	11.581	11.594	11.974	12.040	11.861	12.149	12.133	11.601	11.896	11.637	11.523	11.718	11.780	11.611	11.420	11.550	11.510	11.592		
1433769	at	Als2cl	BM201174	Mm.86338	9	8.317	8.348	8.387	8.473	8.498	8.125	8.212	8.466	8.431	8.360	8.508	8.786	8.514	8.333	8.355	8.442	8.278	8.424	8.286	8.292	8.405	8.544	8.309	8.102		
1433770	at	Dpall2	B0174209	Mm.352648	14	10.935	11.247	11.237	11.391	11.394	11.630	11.392	10.479	11.148	11.575	10.980	11.291	11.420	11.648	11.653	11.311	9.978	10.654	10.935	11.034	10.542	10.714	11.084	11.198		
1433771	at	5734046C15Rik	AV173092	Mm.28796	19	7.690	8.088	7.638	7.415	7.668	7.623	7.629	8.154	7.821	8.087	7.835	7.974	7.783	7.759	7.987	7.510	7.778	7.593	7.532	7.532	7.720	7.903	7.670	7.670		
1433772	at	Hspa13	BE650268	Mm.26772	16	8.725	9.445	9.066	8.821	9.030	9.150	9.132	8.969	9.039	9.354	8.926	9.159	9.046	9.180	9.135	8.984	8.778	8.742	8.874	8.672	8.765	8.911	8.644	9.056		
1433773	at	Rrm2b	AA543385	Mm.24738	15	10.278	9.802	10.316	10.051	10.100	10.284	10.120	9.894	9.636	9.995	9.696	9.932	9.919	9.906	10.279	10.372	10.165	10.391	10.394	10.433	10.357	10.359	10.524	10.539		
1433774	x	at	Coa1	AA238341	Mm.261620	11	6.690	6.764	6.635	6.714	6.826	6.541	6.676	6.920	6.848	6.733	6.511	7.099	6.877	6.637	6.803	6.637	6.919	6.783	6.637	6.548	6.937	7.125	6.727	6.958	
1433775	at	C77080	BB163333	Mm.331907	4	8.214	8.163	7.942	8.274	8.191	8.097	7.979	8.310	8.230	8.089	8.351	8.220	8.326	8.211	8.109	8.145	8.061	8.114	8.288	8.154	8.268	8.688	8.091			
1433776	at	Nr1a	Mm.140468	Mm.140468	11	10.958	10.968	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	11.048	
1433777	at	L3mbtl2	BB152370	Mm.87561	15	8.614	8.751	8.564	8.782	8.685	8.678	8.711	8.555	8.682	8.417	8.481	8.520	8.477	8.604	8.482	8.637	8.627	8.627	8.627	8.627	8.627	8.627	8.627	8.627	8.627	
1433778	at	Tnks4	B0176320	Mm.88364	8	9.551	9.366	9.861	9.415	9.449	9.670	9.290	9.221	9.600	9.739	9.173	9.685	9.882	9.597	9.656	9.945	9.166	9.338	9.486	9.497	9.159	9.261	9.930	9.642		
1433779	at	Casoc4	AV311104	Mm.292109	2	7.584	7.930	7.576	7.213	7.877	7.825	7.390	7.823	8.059	8.138	7.845	8.566	8.185	8.097	8.227	7.363	7.889	8.034	8.333	7.779	7.732	7.822	7.889	7.756		
1433780	at	Ubn1	BB463209	Mm.66356	16	7.543	7.588	7.141	7.604	7.665	7.627	7.570	7.502	7.560	7.662	7.555	7.671	7.623	7.502	7.645	7.604	7.463	7.444	7.423	7.523	7.613	7.410	7.512	7.570		
1433781	a	at	Cldn12	AW554231	Mm.40132	5	10.218	10.193	10.360	10.164	10.120	10.517	10.363	9.937	10.034	10.192	9.899	10.170	9.970	10.154	10.239	10.334	10.201	10.443	10.284	10.343	10.306	10.310	10.356	10.571	
1433782	at	Cldn12	AW554231	Mm.40132	5	8.073	7.952	8.177	8.049	7.931	8.269	8.181	7.897	7.682	8.163	7.639	8.048	7.667	7.714	8.050	8.234	8.117	8.024	7.955	8.055	8.303	8.470	8.223	8.548		
1433783	at	Ldb3	BB479063	Mm.29733	14	13.016	12.770	13.029	12.718	12.987	12.824	12.916	12.940	12.409	12.916	12.611	12.898	13.024	12.671	12.833	13.023	12.596	12.717	12.899	12.788	12.656	12.619	12.629	12.768		
1433784	at	Colo12M13Rik	Mm.39731	Mm.39731	17	10.159	10.205	10.312	10.571	10.124	10.523	10.492	10.094	10.257	10.257	10.096	10.384	10.557	10.324	10.318	10.243	10.218	10.218	10.218	10.218	10.218	10.218	10.218	10.218	10.218	
1433785	at	Mobp	BM989593	Mm.40461	9	5.228	4.783	5.023	5.105	4.786	4.970	4.933	4.827	5.012	4.881	4.936	4.868	5.192	4.847	4.864	4.987	5.116	4.840	5.170	5.276	5.377	4.959	4.919	5.073		
1433786	x	at	Serf2	AI596986	Mm.262252	2	13.826	14.193	13.775	13.879	14.315	13.906	13.922	14.035	14.454	14.306	14.081	14.571	14.529	14.213	14.101	13.840	13.945	14.032	13.950	13.928	13.870	13.913	13.752	13.571	
1433787	at	Nel1	AI841091	Mm.383528	7	3.886	3.653	3.849	3.838	3.793	3.958	3.848	3.887	3.885	3.724	3.847	3.653	3.840	3.897	3.697	3.879	3.796	4.035	3.994	4.005	3.882	3.789	3.921	3.728		
1433788	at	Nrxn3	BM942887	Mm.425766	12	5.190	5.378	5.154	5.108	5.170	5.059	5.175	5.066	5.215	5.069	5.407	5.188	5.362	5.535	5.396	5.118	5.337	4.953	5.171	5.423	5.007	5.014	5.320	5.138		
1433789	at	Snhg3	B1082172	Mm.84664	4	5.087	5.805	5.119	5.203	4.930	4.933	5.161	5.037	5.060	5.170	5.0															

1433839	at	Nars2	BB431372	Mm.274864	7	8.340	8.280	8.400	8.234	8.093	8.445	8.380	8.348	7.809	7.996	8.242	8.046	7.918	8.189	8.218	8.425	8.397	8.293	8.338	8.342	8.391	8.305	8.442		
1433840	a at	C330006K01Rik	BB499868	Mm.78250	5	9.264	9.486	9.214	9.373	9.545	9.194	9.159	9.446	9.837	9.682	9.220	9.654	9.677	9.405	9.395	9.020	9.443	9.276	9.151	9.088	9.330	9.331	9.263	9.160	
1433841	at	C330006K01Rik	BB499868	Mm.78250	5	6.868	7.345	7.033	7.150	7.143	6.801	6.999	9.767	7.265	7.329	7.088	6.742	7.345	7.103	7.084	7.023	7.138	7.287	7.213	7.113	7.127	7.298	7.227	7.168	6.957
1433842	at	Lrrf1p1	BG069059	Mm.405959	1	9.782	10.936	9.792	9.297	9.796	9.994	9.862	9.870	10.389	10.690	10.669	10.229	10.144	10.640	10.489	9.704	9.866	9.058	9.305	9.130	9.232	9.044	9.151	9.940	
1433843	at	Hs1b1	AW511327	Mm.309954	12	8.954	8.649	8.966	8.901	8.965	8.850	8.833	8.732	8.865	8.885	8.531	8.837	8.814	8.700	8.674	9.029	9.122	9.104	8.900	8.864	8.929	8.774	8.905	8.871	
1433844	a at	Dusp9	AV295798	Mm.16479	X	6.158	5.900	5.939	6.073	6.067	5.861	6.006	6.112	6.281	5.975	6.152	6.000	6.066	6.213	6.052	6.094	5.263	6.032	6.151	6.121	6.167	6.019	6.083	6.069	
1433845	x at	Dusp9	AV295798	Mm.16479	X	4.742	4.877	4.590	4.702	4.761	4.575	4.615	4.850	4.935	4.783	4.817	4.795	4.683	4.949	4.635	4.748	4.813	4.755	4.784	4.769	4.695	4.706	4.504	4.781	
1433846	s at	Fam175b	BB769290	Mm.274824	7	10.469	10.609	10.510	10.541	10.586	10.570	10.422	10.400	10.664	10.656	10.478	10.554	10.573	10.621	10.529	10.630	10.307	10.295	10.490	10.447	10.212	10.441	10.508	10.542	
1433847	at	D330017J20Rik	BB769290	Mm.274824	6	10.419	10.480	10.311	10.267	10.416	10.570	10.205	10.696	10.010	10.445	9.757	10.073	10.151	9.983	9.964	10.107	10.194	10.076	9.855	9.852	10.387	10.652	9.929	9.896	
1433848	at	Cdc27	BB754492	Mm.89845	11	6.596	6.606	6.534	6.404	6.416	6.495	6.582	6.325	6.819	6.840	6.762	6.717	6.781	6.810	6.567	6.567	6.549	6.212	6.634	6.704	6.464	6.443	6.606	6.624	
1433849	at	Cdc27	BB754492	Mm.89845	11	6.235	6.746	5.937	6.278	6.321	6.300	6.095	6.591	6.774	6.502	6.606	6.519	6.589	6.449	6.322	6.293	6.359	6.106	6.330	6.326	6.228	6.490	6.306	6.173	
1433850	at	Ppp4r2	BI739251	Mm.27223	6	11.524	11.568	11.517	11.492	11.404	11.517	11.463	11.449	11.359	11.605	11.703	11.463	11.531	11.590	11.571	11.565	11.300	11.220	11.234	11.372	11.569	11.670	11.777	11.835	
1433851	at	Ppp4r2	BI739251	Mm.27223	6	8.182	7.906	8.218	8.219	8.229	8.359	8.160	7.950	7.651	7.954	7.723	8.294	8.052	7.656	9.147	8.218	8.230	9.346	8.562	8.255	8.266	8.438	8.183	8.585	
1433852	at	C33001219Rik	BG075834	Mm.250641	12	9.600	10.246	9.511	9.584	9.721	9.592	9.446	9.517	10.055	10.353	9.797	9.983	10.185	10.205	9.581	9.524	9.036	9.183	9.311	9.063	9.083	9.273	9.201	9.046	
1433853	at	Mib1	BG063791	Mm.21500	18	5.164	4.932	5.210	5.145	4.961	5.130	5.235	5.220	5.228	5.400	5.087	5.261	5.086	5.444	5.404	5.094	5.055	4.832	4.933	4.974	5.199	5.259	5.434	5.345	
1433854	at	Tmem164	BG064061	Mm.249648	X	9.591	8.739	9.533	9.080	8.908	8.789	8.947	8.603	8.623	8.960	8.837	8.747	8.769	8.304	8.593	9.629	8.532	8.403	8.500	8.239	8.977	9.211	9.490	9.615	
1433855	at	Abat	BF462185	Mm.259315	16	7.415	6.975	7.954	7.194	7.098	7.117	6.629	6.710	7.126	7.359	6.999	8.019	7.628	6.744	7.440	8.112	6.750	7.669	7.111	6.893	6.762	6.840	6.544	6.819	
1433856	at	Hsippd1	AW555814	Mm.220817	1	9.027	8.852	9.634	9.283	9.134	9.827	9.076	9.045	8.228	8.935	7.729	8.010	8.191	8.749	9.238	9.719	9.547	9.394	9.291	8.933	9.157	9.393	9.565	9.897	
1433857	at	Fat1	AV089463	Mm.27365	8	10.896	11.694	10.857	10.780	11.958	11.435	11.033	10.665	12.432	12.616	11.753	12.588	12.908	12.099	12.288	10.999	10.221	10.674	10.915	10.804	10.166	9.967	10.613	10.808	
1433858	at	Lrrc28	BB667092	Mm.31247	7	7.875	7.908	7.908	7.755	7.812	7.971	7.809	7.766	7.738	7.905	7.661	7.799	7.843	7.836	7.719	7.762	7.619	7.697	7.866	7.621	7.539	7.767	7.575	7.657	
1433859	at	Ino80c	BB207820	Mm.258973	18	9.097	9.602	9.265	9.235	9.574	9.435	9.228	9.572	9.401	9.458	9.911	9.438	9.234	9.482	9.293	9.332	9.432	9.311	9.370	9.221	9.358	9.392	9.111	9.178	
1433860	at	C6030458C11Rik	BB126127	Mm.207311	15	8.702	8.799	8.746	8.640	8.674	8.759	8.729	8.458	8.432	8.500	8.650	8.547	8.530	8.753	8.562	8.803	8.880	8.814	8.755	8.696	8.660	8.703	8.821	8.824	
1433861	at	Ccd21b	BG072084	Mm.151129	4	8.933	9.135	8.687	8.883	9.128	8.998	8.872	9.027	9.220	9.210	8.832	8.844	9.231	8.961	8.959	8.974	9.120	8.997	8.937	8.865	9.057	8.966	8.848	8.670	
1433862	at	Bsp1	BM200578	Mm.288324	15	5.897	7.285	5.819	6.144	6.391	6.177	6.207	6.932	7.247	6.900	6.004	6.172	6.268	7.379	6.319	5.945	5.792	5.792	5.986	5.513	5.842	6.023	5.589	5.400	
1433863	at	Esfl	AW556975	Mm.371688	13	4.759	4.699	4.806	4.590	4.796	4.799	4.796	4.463	4.818	4.785	5.031	4.830	4.723	4.770	4.948	4.848	4.774	4.790	4.913	4.908	4.779	4.911	4.721	4.912	
1433864	at	Lrrp12	AV254798	Mm.39874	15	5.944	6.626	5.510	5.923	6.320	6.048	6.071	6.507	6.907	6.913	6.385	6.467	6.518	6.556	6.453	6.156	6.181	5.809	6.155	5.664	6.063	6.163	5.899	6.228	
1433865	at	Lrrc28	BB667092	Mm.31247	7	7.875	7.908	7.908	7.755	7.812	7.971	7.809	7.766	7.738	7.905	7.661	7.799	7.843	7.836	7.719	7.762	7.619	7.697	7.866	7.621	7.539	7.767	7.575	7.657	
1433866	at	Prd1	BM221255	Mm.30929	X	4.12	3.654	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	
1433867	at	1810030007Rik	BG064658	Mm.15974	X	7.938	8.184	8.161	7.963	8.122	8.183	8.029	7.789	7.982	8.047	7.646	8.182	8.108	8.065	7.857	8.008	8.284	8.300	8.261	8.185	7.950	8.193	7.898	7.799	
1433868	at	Btdb3	AV028445	Mm.153405	2	7.596	7.305	8.123	8.163	7.877	8.562	7.959	7.453	7.267	7.752	7.322	7.793	7.583	8.048	8.256	8.322	7.328	7.434	8.064	7.971	7.380	7.694	8.206	8.342	
1433869	at	Xdc1	BB279670	Mm.100116	6	8.986	8.740	9.384	9.113	8.941	9.132	8.973	8.536	8.730	9.018	8.738	8.921	8.884	8.906	8.912	9.418	8.732	8.873	8.961	9.027	8.731	8.660	9.181	9.293	
1433870	at	Atad4	AV268135	Mm.342551	11	6.801	6.644	6.850	6.766	6.718	6.671	6.912	6.858	6.834	6.614	7.004	6.621	6.837	6.662	6.724	6.754	6.606	6.653	6.662	6.923	6.740	6.660	6.758	6.766	
1433871	at	R3hdml	BO174018	Mm.221041	1	10.930	10.840	11.115	10.998	11.042	11.094	11.052	10.762	10.853	10.912	10.913	10.953	10.888	10.957	10.927	11.118	10.918	10.984	11.084	10.946	10.857	11.160	11.107	11.264	
1433872	at	2410042D21Rik	BB143137	Mm.475933	2	6.118	7.051	6.510	6.293	6.293	6.462	6.542	6.269	6.740	6.675	6.584	6.609	6.800	6.611	6.709	6.302	5.915	6.309	6.165	6.471	6.333	6.390	6.539	6.425	
1433873	s at	BG064658	BM200578	Mm.288324	15	10.090	9.500	10.265	9.500	9.607	9.263	9.423	9.538	9.638	9.558	9.833	9.738	9.833	9.738	9.833	9.738	10.086	10.306	10.236	10.306	10.236	10.306	10.236	10.306	
1433874	at	Ssh1	BM951910	Mm.389682	5	8.173	8.342	8.265	8.378	8.467	8.158	8.352	8.274	8.522	8.552	8.612	8.386	8.526	8.383	8.581	8.253	8.256	8.459	8.454	8.335	8.304	8.177	8.186	8.307	
1433875	at	4732418C07Rik	BM203572	Mm.283565	4	10.598	10.650	10.646	10.583	10.837	10.630	10.630	10.652	10.859	10.777	10.636	10.791	10.879	10.629	10.539	10.640	10.620	10.585	10.636	10.582	10.580	10.808	10.756	10.636	
1433876	at	Lrrc24	AV337650	Mm.289666	15	5.416	5.682	5.501	5.502	5.352	5.246	5.473	5.819	5.656	5.368	5.162	5.508	5.342	5.457	5.323	5.575	5.969	6.094	5.472	5.480	5.800	5.735	5.439	5.409	
1433877	at	4732473B16Rik	BB407092	Mm.204656	4	6.220	7.720	6.075	6.095	7.703	6.351	6.250	6.878	7.938	7.996	6.524	7.398	7.621	6.834	7.334	6.173	6.092	6.055	6.012	6.047	6.301	6.473	6.114	6.271	
1433878	at	Al64886	Mm.30057	2	10.580	10.770	10.343	10.478	10.430	10.328	10.334	10.994	10.396	10.183	10.320	10.606	10.133	10.211	10.204	10.177	11.355	10.966	10.449	10.490	11.076	11.126	10.400	10.224		
1433879	a at	Mmapk1p1	BG073396	Mm.212297	14	9.																								

1433928	a	at	Rpl13a	BF146301	Mm.180458	7	9.990	11.210	9.603	9.983	10.268	9.685	9.757	10.502	11.447	10.905	10.464	10.496	10.409	10.862	10.175	9.403	10.277	10.287	9.988	9.620	10.219	10.413	9.791	9.775	
1433929	a	at	Nhlrc2	BB795641	Mm.46346	19	9.804	9.357	9.893	9.754	9.668	9.743	9.712	9.317	9.284	9.552	9.493	9.526	9.425	9.360	9.605	10.001	9.769	9.757	9.958	9.790	9.671	9.817	9.843	10.168	
1433930	a	at	Hose	BG094050	Mm.265786	5	10.299	8.003	7.123	7.409	7.039	7.201	7.087	7.117	7.919	7.945	7.274	7.195	7.371	7.886	7.040	7.128	7.078	6.883	7.203	7.148	7.045	7.055	6.900	7.054	
1433931	at		C030046101Rik	AW553381	Mm.300416	10	10.224	8.854	10.490	10.420	10.062	10.506	10.245	8.996	9.684	9.953	9.965	9.824	9.907	10.044	10.192	10.480	9.434	10.003	10.350	10.455	9.790	9.078	10.534	10.725	
1433932	x	at	C030046101Rik	AW553381	Mm.300416	10	10.278	10.097	10.581	10.540	10.253	10.613	10.453	9.465	9.979	10.184	10.145	9.981	10.045	10.236	10.374	10.183	9.710	10.199	10.554	10.691	9.882	9.554	10.592	10.785	
1433932	s	at	Slic2b1	BB553107	Mm.167449	7	8.233	8.167	8.759	8.769	8.751	8.868	8.680	8.869	8.877	8.712	8.517	9.486	8.418	8.413	8.921	8.747	8.868	8.413	8.921	8.747	8.868	8.413	8.921	8.747	
1433934	at		Sec24a	BM233963	Mm.33878	11	8.208	8.420	8.299	8.014	8.243	8.345	8.174	8.128	8.213	8.453	8.228	8.179	8.511	8.338	8.306	8.218	8.006	8.104	8.114	7.959	8.139	8.033	8.367	8.265	
1433935	at		AO202006	BI151331	Mm.200422	7	8.801	8.933	9.269	9.214	9.152	9.315	9.566	8.714	9.225	9.101	8.275	9.098	9.025	9.103	9.071	9.142	9.258	9.338	9.467	9.265	9.183	9.538	8.932	9.349	
1433936	at		0610010E21Rik	BG791555	Mm.6844	7	9.691	10.123	9.950	9.797	9.969	9.968	9.950	10.246	9.864	9.876	9.640	10.011	9.802	9.763	9.722	9.699	10.503	10.641	10.192	10.171	10.185	10.213	9.744	9.807	
1433937	at		Trp53bp2	BB814564	Mm.287450	1	8.478	8.530	8.309	8.508	8.559	8.647	8.306	8.433	8.377	8.355	8.314	8.491	8.307	8.399	8.352	8.447	8.413	8.459	8.587	8.351	8.405	8.447	8.127	8.543	
1433938	at		Trp53bp2	BB814564	Mm.287450	1	7.131	7.211	7.097	7.228	7.306	7.229	7.093	7.493	7.234	7.318	7.072	7.455	7.241	7.073	7.230	7.379	7.494	7.670	7.298	7.098	7.417	7.641	7.060	7.282	
1433939	at		Afh3	B0177036	Mm.336619	1	7.703	7.637	7.487	7.846	8.233	7.992	8.013	8.162	8.310	8.263	7.195	8.251	8.316	8.123	7.812	7.476	7.777	7.775	7.988	6.669	7.407	7.525	7.164	7.141	
1433940	at		Spo12	BB239907	Mm.432524	11	10.683	10.685	10.266	10.546	10.492	10.544	10.658	10.825	10.327	10.247	10.523	10.517	10.339	10.218	10.324	10.264	11.065	11.015	10.729	10.741	10.044	10.967	10.442	10.365	
1433941	at		Pib5a3	BF582164	Mm.23413	11	10.887	10.972	10.687	10.797	10.793	10.615	10.762	10.902	10.918	10.818	10.867	10.772	10.720	10.791	10.630	10.771	10.722	10.758	10.757	10.707	10.428	10.532	10.644	10.674	
1433942	at		Myo6	BE133806	Mm.4040	9	6.993	7.073	6.772	7.021	7.128	7.125	6.944	7.066	7.209	7.294	6.859	7.151	7.152	7.101	7.120	7.099	7.207	7.342	6.931	7.184	7.057	7.004	7.041	6.782	
1433943	at		Itpr1	BM207348	Mm.29457	19	9.019	9.191	8.786	8.970	9.320	8.679	8.455	8.867	9.083	9.146	8.707	9.128	9.261	8.668	8.830	8.877	9.021	8.907	8.855	8.868	8.878	8.810	8.609	8.871	
1433944	at		Hect3	AV256030	Mm.61107	19	4.767	5.600	4.941	4.451	5.381	5.011	5.022	5.204	5.398	6.170	5.633	5.807	5.473	5.608	5.768	4.787	4.139	4.559	4.809	4.468	4.456	4.605	5.230	4.903	
1433945	at		5730507A09Rik	AW047451	Mm.441986	7	4.660	4.615	4.648	4.650	4.622	4.485	4.789	4.567	4.734	4.572	4.679	4.626	4.736	4.429	4.617	4.742	4.554	4.608	4.503	4.676	4.758	4.472	4.704	4.788	
1433946	at		Zlk1	BE824681	Mm.49441	7	5.996	6.144	6.179	6.019	5.851	6.125	6.513	6.158	6.001	6.250	5.911	5.818	5.929	6.076	5.836	6.243	6.122	5.920	6.280	6.213	6.162	6.449	5.892	6.012	
1433947	at		Rab37	BB433704	Mm.143789	11	5.419	5.367	5.374	5.427	5.277	5.224	5.224	5.569	5.440	5.220	5.447	5.233	5.238	5.283	5.387	5.297	5.885	5.461	5.547	5.595	5.569	5.711	5.330	5.419	
1433948	at		AV02198	AW081808	Mm.20190	5	4.356	4.102	4.188	4.124	4.181	4.358	4.170	4.111	4.226	3.986	4.198	4.260	4.151	4.216	4.138	4.156	4.199	4.373	4.268	4.178	4.325	4.051	4.287	4.099	
1433949	x	at	Zlk2b1	AW081808	Mm.20190	5	4.302	4.255	4.313	4.283	4.224	4.046	4.424	4.377	4.377	4.121	4.399	4.250	4.525	4.229	4.286	4.158	4.315	4.421	4.200	4.080	4.262	4.239	4.344	4.208	
1433950	at		Iqsf21	BB769866	Mm.298731	4	5.738	5.451	5.933	5.708	5.562	5.691	6.076	6.000	5.622	5.686	5.869	5.704	5.814	5.691	5.928	5.969	5.836	5.942	5.879	5.945	5.920	5.826	5.915	5.837	
1433951	at		Arf5a	BG064956	Mm.314378	2	10.735	11.013	10.847	10.735	10.997	10.817	10.762	10.999	10.907	11.035	10.962	10.942	11.000	10.843	10.869	10.868	10.929	10.726	10.724	10.683	10.883	10.985	10.673	10.761	
1433952	at		Turf27	BI692446	Mm.197829	7	11.395	11.221	11.562	11.559	11.237	11.526	11.531	11.142	10.831	11.181	11.357	11.257	10.938	11.164	11.340	11.161	11.513	11.373	11.550	11.642	11.817	11.402	11.313	11.568	11.659
1433953	at		Zfp277	B0176535	Mm.26852	12	9.027	9.290	8.691	8.883	9.099	8.909	8.811	9.264	9.226	9.233	8.749	9.235	9.414	8.853	9.058	8.827	9.455	9.147	9.066	9.012	9.294	9.475	8.842	8.817	
1433954	at		4623019122Rik	B0176535	Mm.26852	12	9.027	9.290	8.691	8.883	9.099	8.909	8.811	9.264	9.226	9.233	8.749	9.235	9.414	8.853	9.058	8.827	9.455	9.147	9.066	9.012	9.294	9.475	8.842	8.817	
1433955	at		Brdw1	BE467195	Mm.240871	11	9.092	9.268	9.268	9.216	9.815	9.915	9.827	8.655	8.887	8.827	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	8.825	
1433956	at		Cdh5	AW543698	Mm.21767	8	10.395	10.669	10.125	10.549	10.815	10.324	10.092	10.847	10.526	10.568	11.168	10.911	11.030	10.602	10.767	10.324	10.711	10.865	10.524	10.674	10.582	10.580	10.597	10.193	
1433957	at		C030048B08Rik	AW089797	Mm.38014	5	7.092	7.216	7.437	7.230	7.706	7.498	7.547	6.952	6.860	7.158	7.172	7.025	6.913	7.056	7.176	7.305	7.374	7.341	7.378	7.073	7.228	7.434	7.526	7.283	
1433958	at		Cntrob	BG069840	Mm.28774	11	8.909	8.904	8.720	8.933	8.875	8.682	8.712	8.993	9.060	8.749	8.899	8.871	8.877	8.845	8.819	8.758	8.760	8.775	8.787	8.838	8.664	8.727	8.826	8.707	
1433959	at		Zmat4	AV337374	Mm.121274	8	6.976	6.644	7.020	6.921	6.705	6.807	6.976	6.835	6.688	6.688	6.844	6.710	6.745	6.830	6.950	7.066	7.063	7.008	7.068	7.158	6.842	6.786	6.975	6.942	
1433960	at		Iso2012	BB546077	Mm.45744	3	7.768	8.123	7.901	7.899	8.010	7.818	7.952	7.775	8.065	8.108	8.366	8.238	8.091	8.165	8.135	7.937	7.784	7.843	8.023	7.653	7.904	7.908	8.040	8.082	
1433961	at		BC023814	BG068266	Mm.296008	3	7.699	7.794	7.632	7.873	7.958	7.723	7.681	7.848	7.861	7.762	7.503	7.869	7.549	7.521	7.763	7.659	7.885	7.871	7.671	7.438	7.790	7.728	7.933	7.631	
1433962	at		158F09Rik	B0176535	Mm.26852	12	9.027	9.290	8.691	8.883	9.099	8.909	8.811	9.264	9.226	9.233	8.749	9.235	9.414	8.853	9.058	8.827	9.455	9.147	9.066	9.012	9.294	9.475	8.842	8.817	
1433963	a	at	Fermt3	BG066664	Mm.157591	19	5.643	7.736	5.379	5.869	6.313	5.949	5.562	5.941	7.134	6.874	5.633	6.106	6.133	7.057	5.579	5.253	5.306	5.321	5.514	4.913	5.246	5.749	5.283	5.746	
1433964	s	at	Fermt3	BG066664	Mm.157591	19	7.118	8.065	7.260	7.747	7.545	7.265	7.357	7.733	8.159	7.858	7.742	7.402	7.547	7.946	7.337	7.352	7.393	7.170	7.245	7.155	7.275	7.378	7.097	7.209	
1433965	at		Atp8a1	B0176779	Mm.153230	5	8.901	8.290	8.961	9.037	8.521	9.103	8.966	8.283	7.924	8.095	7.895	8.380	8.240	8.237	8.783	9.035	8.985	8.942	8.898	8.996	8.887	9.266	9.137	9.215	
1433966	x	at	Asns	AV212753	Mm.2942	6	6.384	7.886	7.101	6.742	7.269	7.172	7.054	7.026	7.932	7.754	7.476	6.961	7.421	7.728	7.138	7.120	6.707	6.810	6.767	6.343	6.390	7.083	6.567	6.417	
1433967	at		5430413K10Rik	A1413838	Mm.3306382	2	5.137	4.494	4.984	5.028	4.809	4.986	5.050	4.969																	

1434017	at	ZnrF2	AV226579	Mm.286149	6	8.977	8.952	9.116	9.174	9.274	9.101	9.134	8.939	8.998	9.243	8.969	9.210	9.227	9.170	9.188	9.087	9.122	9.105	9.065	9.197	9.073	9.183	9.117	9.127	
1434018	at	BC043098	BM120580	Mm.120151	1	9.349	9.689	9.448	9.540	9.702	9.553	9.419	9.230	9.444	9.431	9.552	9.472	9.463	9.483	9.410	9.499	9.361	9.445	9.400	9.393	9.332	9.152	9.428	9.508	
1434019	at	Pdp1	BG065186	Mm.188851	5	10.129	10.923	10.011	10.063	10.213	10.054	10.171	10.326	10.811	10.558	10.449	10.370	10.366	10.681	10.236	10.311	10.257	10.360	10.326	10.159	10.081	10.180	10.185	10.133	
1434020	at	Pdp1	BG065186	Mm.188851	5	9.558	10.576	9.363	9.612	9.927	9.344	9.601	10.120	10.348	9.824	9.642	10.012	9.635	9.713	9.428	9.253	10.022	9.860	9.370	9.195	9.015	10.000	9.347	9.140	
1434021	at	C230096C10Rik	BG064982	Mm.271956	4	10.032	10.066	10.134	10.135	10.104	10.181	10.150	9.987	9.827	10.085	9.882	9.821	9.856	10.249	10.051	10.125	9.883	9.672	9.683	10.122	10.082	9.685	9.677	10.175	
1434022	at	Zeb120	BB146985	Mm.391248	X	9.297	9.385	9.401	9.135	9.096	9.458	9.247	9.087	9.001	9.398	8.867	9.066	9.145	9.222	9.222	9.340	9.167	9.244	9.322	9.363	9.235	9.283	9.334	9.364	
1434023	at	Cnpb23	BG065282	Mm.193678	18	8.818	8.984	8.969	8.882	8.944	9.092	9.203	9.104	8.990	9.242	8.768	9.131	9.007	9.888	9.142	9.092	8.756	8.776	8.781	8.951	8.895	9.227	9.062	9.168	
1434024	at	Nhp4	BB475459	Mm.302496	4	7.106	6.946	6.973	6.940	7.048	6.876	6.983	7.047	6.919	6.998	6.709	6.824	6.832	6.822	6.628	6.933	7.097	7.039	7.163	7.104	7.052	6.856	6.847	6.952	
1434025	at	NA	BG069607	NA	NA	4.561	4.971	4.342	4.348	4.481	4.385	4.491	4.517	6.000	5.499	6.824	5.296	5.682	4.904	5.396	4.262	4.309	4.372	4.348	4.486	4.422	4.275	4.441	4.391	
1434026	at	Atp8b2	B0178970	Mm.30455	3	8.664	9.440	8.797	8.741	9.407	9.024	8.901	9.199	9.533	9.701	9.379	9.524	9.630	9.601	9.550	8.804	8.632	8.833	9.051	8.716	8.590	8.831	8.856	8.844	
1434027	at	Rcan3	B0075865	Mm.331970	4	7.004	8.274	7.358	7.474	7.647	7.657	7.671	7.754	8.163	8.307	7.620	8.102	8.031	8.108	7.688	7.488	7.633	7.598	7.649	7.299	7.406	7.585	7.245	6.988	
1434028	at	Arnt2	B0174321	Mm.38594	7	5.255	5.035	5.223	5.275	5.156	5.434	5.067	5.407	5.219	4.995	5.451	5.223	5.237	5.286	5.318	5.190	5.240	5.377	5.174	5.177	5.181	5.259	5.173	5.157	
1434029	at	NA	AW545676	NA	NA	7.744	7.852	8.009	8.221	8.049	7.876	7.748	7.572	7.624	7.836	7.562	7.741	7.718	7.829	7.794	7.858	7.712	8.092	7.974	8.048	7.482	7.691	8.035	7.930	
1434030	at	Gtpob14	BG068714	Mm.323984	5	8.910	8.872	9.214	9.002	8.822	9.077	9.167	8.518	8.527	8.903	8.639	8.810	8.453	8.927	8.907	9.102	8.912	9.134	9.379	9.272	8.829	8.809	9.203	9.189	
1434031	at	Zlf6p92	BB037019	Mm.41440	11	8.414	8.519	8.312	8.471	8.428	8.420	8.316	8.416	8.425	8.310	8.102	8.325	8.338	8.217	7.883	8.091	8.798	8.738	8.440	8.366	8.320	8.434	8.163	8.039	
1434032	at	Centq3	B0175381	Mm.250703	5	8.461	8.358	8.421	8.358	8.231	8.388	8.120	7.812	7.746	7.808	8.114	7.961	7.837	7.936	8.026	8.349	8.224	8.441	8.466	8.235	8.312	7.815	8.342	8.349	
1434033	at	Tle1	A1325112	Mm.278444	4	8.454	8.495	8.434	8.463	8.427	8.391	8.485	8.572	8.375	8.222	8.827	8.529	8.613	8.420	8.445	8.399	8.700	8.607	8.450	8.374	8.581	8.853	8.679	8.670	
1434034	at	Cerk	B1905090	Mm.222685	15	9.301	9.920	9.320	9.531	9.190	9.033	9.076	8.837	8.811	9.801	8.282	9.129	9.324	9.545	8.999	9.543	9.074	9.132	9.252	9.100	8.856	9.043	9.062	8.932	
1434035	at	Dnaib6	C87407	Mm.290110	10	10.374	10.534	10.408	10.489	10.626	10.435	10.188	10.122	10.569	10.675	10.400	10.668	10.475	10.315	10.370	10.544	10.157	10.237	10.371	10.405	10.197	10.241	10.204	10.291	
1434036	at	Mts1	AV024771	Mm.215481	15	9.587	9.296	9.602	9.560	9.659	9.813	9.661	9.220	9.275	9.388	9.194	9.398	9.492	9.691	9.634	9.609	9.916	10.035	9.806	9.904	9.469	9.664	9.777	9.383	
1434037	s	Kat2b	AV094898	Mm.255025	17	12.011	12.340	11.911	11.941	12.235	12.110	12.112	12.150	12.309	12.458	11.948	12.396	12.328	12.263	12.177	11.965	12.132	12.034	12.081	12.008	12.061	12.240	12.022	11.948	
1434038	at	Dnaic13	B0174089	Mm.271256	9	9.077	9.545	9.167	9.260	9.380	9.295	9.232	9.330	9.500	9.364	9.072	9.315	9.295	9.376	9.182	9.157	9.234	9.134	9.064	9.048	9.182	9.341	9.123	9.128	
1434039	at	Appob2	BB553604	Mm.271997	11	8.657	8.981	8.963	8.503	8.717	8.670	8.754	8.609	8.596	8.980	8.544	8.666	8.458	8.653	8.821	8.918	8.521	8.692	8.584	8.642	8.565	8.709	8.656	8.829	
1434040	at	Appob2	BB553604	Mm.271997	11	7.137	7.335	7.141	7.155	7.121	7.327	7.178	6.819	7.118	7.267	7.401	6.971	6.899	7.160	6.982	7.297	6.657	7.053	6.950	7.101	6.954	6.759	7.092	7.470	
1434041	at	Appob2	BB553604	Mm.271997	11	7.637	7.639	7.650	7.658	7.652	7.605	7.379	7.298	7.592	7.704	7.568	7.364	7.447	7.510	7.500	7.528	7.366	7.420	7.532	7.562	7.028	7.308	7.416	7.490	
1434042	s	Mtmr3	BF466640	Mm.425669	11	11.374	11.208	11.261	11.321	11.454	11.283	11.266	11.253	11.255	11.345	11.401	11.544	11.429	11.303	11.460	11.338	11.225	11.279	11.349	11.342	11.310	11.310	11.435	11.410	
1434043	at	Rcp1	Mm.219183	6	8.728	8.986	8.796	8.589	8.686	8.462	8.765	7.765	7.726	7.583	7.781	7.681	7.766	7.766	7.926	7.828	7.926	7.926	7.926	7.926	7.926	7.926	7.926	7.926	7.926	
1434044	at	Rcp1	AV286909	Mm.219183	7	9.501	9.506	9.831	9.799	9.655	9.807	9.655	9.397	9.601	9.601	9.541	9.567	9.601	9.541	9.567	9.601	9.541	9.567	9.601	9.541	9.567	9.601	9.541	9.567	
1434045	at	Cdkn1b	BB545428	Mm.2958	6	8.014	7.858	8.186	8.225	7.963	8.236	8.131	8.096	8.225	8.458	7.500	8.397	8.313	7.969	8.452	8.226	8.261	8.272	8.343	8.268	8.247	8.462	8.393	8.284	
1434046	at	AA467197	BG961961	Mm.36783	2	5.648	6.380	5.746	5.525	6.010	5.296	5.662	5.466	6.503	6.111	7.055	5.467	5.709	6.044	6.006	5.504	5.372	5.471	5.472	5.386	5.408	5.533	5.675	5.661	
1434047	x	at	Hnrpa2b1	AV019883	6	10.879	10.986	11.154	10.921	10.676	11.038	10.962	10.849	10.695	10.829	10.777	10.647	10.386	10.941	11.076	10.913	10.896	10.812	11.024	10.668	11.016	11.080	11.101	11.159	
1434048	at	AV930471M23Rik	BB408093	Mm.247985	5	8.652	9.079	8.735	8.664	8.680	8.578	8.632	8.856	8.985	8.872	8.721	8.627	8.933	8.895	8.565	8.816	8.848	8.902	9.060	8.820	8.430	8.525	8.442	8.660	
1434049	at	Centp3	BB547934	Mm.76648	9	7.150	6.932	7.142	6.901	7.063	7.101	7.170	7.128	7.119	7.098	7.097	6.792	7.001	7.152	7.086	7.303	7.000	7.302	7.251	7.152	7.256	6.925	7.105	7.081	
1434050	at	Vsn8	BI453502	Mm.235683	16	9.027	8.913	9.198	8.896	8.840	8.832	8.891	8.498	8.795	9.083	8.813	8.827	8.846	8.732	8.792	9.092	8.692	8.928	8.891	8.967	8.944	8.747	8.914	9.036	
1434051	at	Kat2a	B0027161	Mm.476033	19	5.345	5.154	5.501	5.542	5.477	5.730	5.544	5.206	5.525	5.330	5.283	5.509	5.556	5.332	5.330	5.547	5.870	5.753	5.849	5.673	5.676	5.496	5.630	5.488	
1434052	at	A1593442	AV327193	Mm.335160	9	4.432	4.852	4.539	4.954	5.536	4.814	4.738	4.327	4.362	4.414	4.633	4.234	4.452	4.316	4.238	4.477	4.536	4.908	5.622	5.032	4.544	4.758	4.632	4.338	
1434053	x	at	Atp5k	AV146686	Mm.136093	5	13.560	13.279	13.309	13.282	13.334	13.174	13.339	13.115	13.215	13.278	13.263	13.654	13.299	12.751	13.146	13.126	14.174	13.857	13.364	13.393	14.185	14.288	13.364	13.196
1434054	at	Sirt7	BB342453	Mm.292957	11	8.681	8.675	8.689	8.527	8.678	8.517	8.189	8.522	8.613	8.683	8.985	8.921	8.620	8.538	8.719	8.698	8.500	8.410	8.271	8.436	8.777	8.763	8.772	9.064	
1434055	at	Galtin9	BB048942	Mm.275748	5	6.918	6.721	7.124	7.094	7.045	6.781	6.884	6.941	6.974	6.792	7.004	6.024	6.801	6.772	6.808	6.922	6.910	7.110	6.821	6.937	6.873	6.901	6.969	6.613	6.946
1434056	a	at	Ndufb6	C78790	Mm.1103	4	13.329	13.053	13.314	13.336	13.182	13.174	13.286	13.265	12.935	13.249	13.249	12.859	12.960	13.251	13.264	13.246	13.324	13.216	13.148	13.438	13.423	13.236	13.405	
1434057	at	Ndufb6	C78790	Mm.1103	4	13.215	13.109	13																						

1434106	at	Epm2aip1	AV340515	Mm.209005	9	10.687	10.241	11.157	10.616	10.313	10.753	10.719	10.072	9.727	10.066	9.941	10.483	10.457	10.483	10.228	11.107	10.244	10.256	10.275	10.308	10.097	10.084	10.247	9.986	
1434107	at	Spata2	BM204396	Mm.34342	2	8.200	8.295	8.275	8.126	8.143	8.179	8.087	7.813	7.996	8.142	8.141	8.044	8.105	8.186	8.056	8.286	7.851	8.201	8.220	8.093	8.116	8.055	8.376	8.281	
1434108	at	Fbxo11	BM250164	Mm.386857	17	8.746	8.736	9.039	8.949	8.643	8.979	8.877	8.580	8.586	9.028	8.448	8.763	8.726	8.608	8.889	8.821	8.596	8.669	8.762	8.550	8.676	8.973	8.918	9.029	
1434109	at	Shb3brn12	AV291265	Mm.100125	9	5.766	5.870	5.878	5.977	5.975	5.756	6.003	5.865	5.705	5.891	5.891	5.464	5.912	5.692	5.511	5.494	5.887	5.304	5.203	5.116	5.244	5.272	5.923	5.730	
1434110	x at	BC3272785	AV340515	Mm.475721	4	8.789	8.345	8.615	8.597	8.635	8.815	8.702	8.733	8.684	8.453	8.734	8.398	8.724	8.508	8.558	8.638	8.721	8.788	8.523	8.853	8.636	8.656	8.672	8.515	
1434111	at	LOC100048050	BG966639	NA	3	10.514	10.351	10.610	10.538	10.580	10.678	10.676	10.435	10.394	10.547	10.585	10.552	10.669	10.574	10.544	10.625	10.284	10.694	10.808	10.843	10.120	10.188	10.402	10.407	
1434112	at	LOC100048050	BG966639	NA	3	9.399	9.387	9.359	9.413	9.438	9.449	9.409	9.519	9.466	9.443	9.513	9.595	9.646	9.475	9.481	9.406	9.416	9.659	9.552	9.495	9.120	9.191	9.063	9.247	
1434113	a at	Rexo4	BG076284	Mm.291874	2	7.751	8.628	7.781	7.985	8.115	7.833	7.628	8.422	8.445	8.185	8.121	8.318	8.064	8.226	7.755	7.669	8.008	7.996	7.665	7.230	7.890	8.332	7.519	7.665	
1434114	at	Rexo4	BG076284	Mm.291874	2	8.249	8.699	8.256	8.243	8.236	8.250	8.242	8.209	8.343	8.309	8.332	8.360	8.242	8.329	8.221	8.345	8.220	8.320	8.244	8.148	8.283	8.222	8.241	8.265	
1434115	at	Cbx1	B0716681	Mm.334841	8	11.172	11.165	11.091	11.347	11.584	11.400	11.167	11.209	10.727	11.208	11.249	11.358	11.496	10.861	11.436	11.123	11.451	11.272	11.216	11.332	11.308	11.352	11.327	11.169	
1434116	at	Cdx2	BI693188	Mm.14547	11	7.497	7.796	7.660	7.813	7.735	7.721	7.777	8.297	7.913	7.796	7.999	7.972	8.192	7.989	8.094	7.664	8.034	7.929	7.965	7.961	8.080	8.064	7.881	7.848	
1434117	at	Tceb3	AV264059	Mm.27663	4	9.296	9.464	9.424	9.501	9.518	9.434	9.324	9.394	9.438	9.385	9.114	9.489	9.448	9.348	9.343	9.536	9.647	9.383	9.453	9.545	9.467	9.634	9.406	9.467	
1434118	at	Mu1	BI737397	Mm.103413	4	9.233	9.262	9.175	9.527	9.151	9.149	9.038	9.215	8.442	8.700	8.715	9.095	8.924	8.718	8.901	9.159	9.522	9.553	9.154	9.368	9.366	9.150	9.258		
1434119	at	D2Wsu81	BM206981	Mm.4449	2	7.916	7.755	7.963	7.880	7.788	7.887	7.957	7.682	8.032	8.026	7.702	8.048	7.763	7.946	7.972	8.049	7.911	7.998	8.053	7.971	7.917	7.939	7.941	8.034	
1434120	a at	Metap2	AW742814	Mm.289329	10	12.067	12.218	12.208	12.082	12.095	12.242	12.193	12.342	11.896	12.078	12.217	12.117	11.948	12.219	12.312	12.129	12.238	12.119	12.153	12.312	12.293	12.364	12.364	12.364	
1434121	at	Lqi4	BB756793	Mm.389870	7	7.098	7.002	7.279	7.089	6.822	7.165	7.084	6.903	7.019	6.875	6.957	7.056	7.010	7.246	6.879	7.080	6.919	7.135	7.231	7.004	6.851	6.845	6.977	6.843	
1434122	at	Fbxo27	BB319048	Mm.116116	7	8.716	8.338	8.623	8.575	8.505	8.719	8.581	8.503	8.663	8.495	8.602	8.292	8.480	8.355	8.533	8.512	8.530	8.406	8.587	8.621	8.447	8.580	8.504	8.577	
1434123	at	Ftut11	BB345680	Mm.277552	14	7.834	7.976	7.597	8.050	7.934	7.916	7.749	7.812	7.874	8.244	7.703	8.198	8.077	8.049	8.101	7.794	7.959	7.904	7.939	7.902	7.749	7.962	7.848	7.850	
1434124	x at	Z400001E08Rik	AV1000771	Mm.30003	7	11.303	11.625	11.067	11.148	11.514	11.200	11.363	11.593	11.881	11.629	11.348	11.713	11.572	11.480	11.118	11.137	11.597	11.565	11.245	11.267	11.559	11.472	11.215	11.044	
1434125	at	Utp15	AV227804	Mm.28221	13	8.867	9.111	9.089	9.077	8.957	9.176	9.067	8.960	8.890	8.911	9.332	8.924	8.914	9.111	9.076	9.108	8.920	8.995	9.106	9.177	9.055	9.053	9.250	9.283	
1434126	at	BC32402H24Rik	BB667775	Mm.271990	2	9.746	9.939	9.461	9.388	9.530	9.422	9.472	9.846	9.661	9.689	9.507	9.775	9.586	9.297	9.476	9.392	9.513	9.637	9.431	9.448	9.602	9.867	9.270	9.420	
1434127	a at	LOC100045490	B2523250	NA	1	14.375	14.150	14.340	14.301	14.176	14.282	14.233	14.164	14.039	14.222	14.070	14.123	14.112	14.185	14.226	14.228	14.121	14.105	14.162	14.106	14.278	14.274	14.343	14.374	
1434128	a at	Zlp574	BB131266	Mm.455807	7	8.432	8.593	8.520	8.538	8.652	8.470	8.534	8.946	8.853	8.665	8.562	8.804	8.718	8.528	8.671	8.527	9.195	9.086	8.825	8.753	9.129	9.098	8.852	8.451	
1434129	s at	Lhfp12	BG917242	Mm.316553	13	7.049	8.547	6.928	7.105	8.192	7.187	6.764	7.546	8.824	8.797	8.370	8.737	8.593	8.476	8.033	6.933	6.554	6.899	6.780	6.374	6.561	6.076	6.571	6.410	
1434130	at	Lhfp12	BG917242	Mm.316553	13	7.875	8.028	7.909	7.868	7.893	7.515	7.827	7.680	8.250	8.110	8.025	7.913	8.056	8.087	7.780	7.818	7.866	7.728	7.745	7.704	7.641	7.745	7.685	7.979	
1434131	at	Rufy1	AV156392	Mm.390401	11	9.140	9.166	9.216	9.413	9.152	9.275	9.162	9.237	8.813	8.892	8.903	9.216	8.957	8.834	9.045	9.158	9.552	9.299	9.111	9.212	9.378	9.506	9.059	9.164	
1434132	at	EL30025E2Rik	BM206981	Mm.218655	15	10.430	10.540	10.477	10.268	10.485	10.247	10.158	10.508	10.623	10.385	10.437	10.292	10.243	10.264	10.245	10.245	10.245	10.245	10.245	10.245	10.245	10.245	10.245	10.245	10.245
1434133	s at	Wdr42a	BB123403	Mm.159915	1	9.093	8.564	9.313	9.349	9.259	9.373	9.142	8.988	8.965	9.193	8.964	8.604	9.303	9.511	9.435	9.250	9.369	9.582	9.588	9.212	9.378	9.270	9.512	9.682	
1434134	at	Wdr42a	BB123403	Mm.159915	1	10.083	9.803	10.127	10.107	10.058	10.231	10.162	10.005	9.742	10.014	9.772	10.166	10.097	9.893	10.298	10.184	10.220	10.173	10.235	10.217	10.161	10.170	10.128	10.279	
1434135	at	B3galnt2	BB107552	Mm.21686	13	8.772	8.810	8.958	8.964	8.956	8.779	8.856	8.723	8.605	8.676	8.775	8.897	8.715	8.706	8.682	8.986	8.756	8.577	8.442	8.434	8.726	8.851	8.586	9.011	
1434136	at	B32401O19Rik	BE571820	Mm.127446	6	3.913	3.797	3.941	3.857	3.857	3.879	3.951	3.822	3.821	3.886	3.792	3.837	3.929	3.935	4.076	3.991	4.162	3.945	4.014	3.947	4.016	3.978	3.953	4.007	
1434137	x at	1810010M01Rik	BI792151	Mm.21835	7	7.738	7.093	7.627	7.417	7.378	7.473	7.560	7.363	7.293	7.672	7.032	7.316	7.529	7.443	7.427	7.437	7.435	7.577	7.869	7.442	7.151	7.348	7.559		
1434138	at	Prune	B0716370	Mm.14155	3	9.633	9.679	9.649	9.522	9.609	9.670	9.725	9.227	9.392	9.694	9.563	9.719	9.737	9.390	9.699	9.728	9.436	9.649	9.782	9.715	9.435	9.406	9.642	9.374	
1434139	at	Parp11	BB026163	Mm.110618	6	8.510	9.065	8.714	8.768	8.804	8.758	8.876	8.617	9.043	8.716	8.606	8.750	8.656	8.979	8.635	8.709	8.712	8.722	8.702	8.773	8.570	8.576	8.646	8.563	
1434140	at	Gucy1a3	AV209023	Mm.259023	9	10.271	9.354	10.477	10.236	10.465	10.26	9.938	9.789	9.732	9.396	9.511	9.332	9.243	9.287	9.215	9.337	10.351	9.932	9.912	10.351	9.932	10.351	10.351	10.351	
1434141	at	Gucy1a3	BG072799	Mm.143831	3	8.044	7.647	8.432	8.265	8.401	8.774	8.112	8.300	8.125	8.378	7.486	8.735	8.979	8.297	8.418	8.516	8.371	8.533	8.464	8.303	8.051	8.353	8.272	8.080	
1434142	at	Pgm12	BG077552	Mm.45609	11	8.747	8.508	8.798	8.741	8.649	8.811	8.857	8.580	8.327	8.619	8.516	8.589	8.823	8.811	8.757	8.854	8.641	8.751	8.713	8.807	8.846	8.761	8.862	8.761	
1434143	at	Atmin	BG266886	Mm.259736	8	8.499	8.505	8.507	8.561	8.637	8.553	8.448	8.401	8.565	8.598	8.442	8.423	8.577	8.510	8.433	8.491	8.619	8.674	8.752	8.690	8.536	8.568	8.684	8.622	
1434144	s at	Z410187C16Rik	BG073505	Mm.26771	15	8.864	9.007	8.710	9.079	9.060	9.039	9.016	8.937	8.797	8.848	8.725	9.057	9.030	8.771	8.806	8.997	9.091	9.087	9.041	9.142	9.190	9.332	9.043	9.008	
1434145	s at	Serh1	C80355	Mm.30056	15	9.535	9.704	9.400	9.249	8.971	8.988	9.063	9.299	9.396	9.633	9.114	9.774	9.365	8.974	9.146	9.322	9.152	9.155	9.025	9.021	9.262	9.151	8.874	9.056	
1434146	at																													

1434195	at	Prss3s	BB042892	Mm.257629	9	5.221	5.153	5.362	5.071	5.296	5.641	5.418	5.286	5.235	5.174	5.325	5.428	5.741	5.453	5.168	5.343	5.284	5.758	5.330	5.180	5.443	5.141	5.288	5.491	
1434196	at	Dnaia4	B0176119	Mm.52319	9	10.679	10.104	10.750	10.658	10.507	10.803	10.597	10.745	9.769	10.273	11.626	10.997	10.727	10.530	11.053	10.798	10.277	10.258	10.201	10.659	10.542	10.736	10.932	11.428	
1434197	at	Atrn	AW558010	Mm.119936	2	8.981	8.977	9.122	9.034	9.006	9.149	9.104	8.860	8.949	9.034	8.909	8.871	8.977	9.092	8.920	9.182	8.978	8.987	9.146	9.143	8.757	8.885	9.035	9.203	
1434198	at	Atnf1	AI551229	Mm.2171	4	5.564	5.449	5.541	5.588	5.417	5.568	5.603	5.576	5.460	5.342	5.461	5.416	5.580	5.459	5.475	5.531	5.482	5.487	5.537	5.484	5.325	5.485	5.612	5.405	
1434199	at	Tmem151b	BM898903	Mm.329804	17	7.844	7.415	7.769	7.789	7.693	7.624	7.656	7.781	7.911	7.651	7.710	7.800	7.673	7.950	7.709	7.634	7.606	7.738	7.642	7.858	7.642	7.958	7.739	7.878	
1434200	at	BC010981	AV270842	Mm.404033	14	8.839	9.339	9.824	8.490	9.054	8.895	8.913	9.101	9.024	9.250	8.456	9.340	9.125	9.207	9.096	8.909	8.532	8.67	8.837	8.758	8.608	8.885	8.778	8.885	
1434201	at	Chrd1	AV144145	Mm.476088	X	3.926	3.925	3.960	3.932	3.887	4.278	3.882	3.829	3.939	3.984	3.994	4.207	4.154	3.938	4.087	3.858	3.895	4.049	3.892	4.095	3.953	3.718	4.028	3.808	
1434202	a	at	BC055107	BF682848	Mm.256058	14	10.223	8.802	10.329	8.899	10.056	9.168	9.083	9.741	8.321	8.913	9.303	8.634	8.905	8.744	10.206	10.180	8.794	8.740	8.814	8.863	10.655	10.888	11.342	11.120
1434203	at	BF682848	BF682848	Mm.256058	14	9.265	8.077	9.302	8.284	9.058	8.524	8.396	8.701	8.879	8.195	8.567	8.029	8.366	8.200	9.073	9.190	7.900	8.280	8.188	8.333	9.562	9.677	10.283	10.146	
1434204	x	at	Shmt2	AV111300	Mm.29890	10	6.846	7.040	6.809	6.879	6.780	6.751	6.885	7.114	6.876	6.725	6.921	7.078	6.837	6.779	6.657	6.857	7.021	7.177	6.918	7.058	7.206	6.970	6.838	6.829
1434205	at	Ppn2r5c	BM247370	Mm.240396	12	11.828	11.662	11.757	11.880	11.125	11.753	11.784	11.696	11.478	11.669	11.429	11.752	11.575	11.465	11.571	11.798	11.875	11.872	11.888	11.777	11.887	11.989	11.750	11.795	
1434206	s	at	Ppn2r5c	BM247370	Mm.240396	12	10.032	10.070	9.987	10.181	10.131	9.998	10.037	9.944	9.859	9.859	9.626	10.026	9.897	9.670	9.716	9.927	10.449	10.226	10.095	10.067	10.040	10.099	9.964	9.976
1434207	at	Rnl169	BE570729	Mm.323087	7	8.180	8.083	8.061	8.256	8.315	8.162	8.014	7.988	8.171	8.212	7.930	8.248	8.277	8.260	8.232	8.288	8.005	7.917	8.098	8.130	8.40	8.397	8.356	8.355	
1434208	at	Rnl169	BE570729	Mm.323087	7	7.107	7.144	6.906	7.137	7.354	7.068	7.052	7.330	7.490	7.251	6.977	7.148	7.188	7.080	7.036	7.185	7.295	7.213	7.021	7.054	7.206	7.472	7.163	7.144	
1434209	at	LOC100043183	BE650251	Mm.475147	3	6.095	6.187	6.048	6.027	5.903	6.073	6.030	6.086	5.991	6.084	6.104	6.400	6.412	6.354	6.276	5.962	6.294	6.078	6.166	6.154	6.296	6.209	6.380	6.233	
1434210	s	at	Lriq1	AV174595	Mm.245210	6	9.633	9.804	9.606	9.729	9.915	9.880	9.574	9.844	9.912	9.878	9.771	9.835	9.770	9.658	9.822	9.650	9.828	9.819	9.849	9.639	9.849	10.020	9.819	9.953
1434211	at	Sh3bqr12	BB352548	Mm.100125	9	5.382	5.330	5.673	5.459	5.464	5.504	5.361	5.410	5.100	5.333	5.594	5.428	5.311	5.538	5.288	5.373	5.182	5.258	5.266	5.378	5.126	5.274	5.354	5.423	
1434212	at	Ndufs8	BG244243	Mm.44227	19	9.098	8.958	9.007	9.152	8.990	8.855	8.945	9.277	8.841	8.749	8.590	9.099	8.901	8.918	8.800	8.909	9.197	9.045	8.965	9.091	9.194	9.275	8.915	9.140	
1434213	x	at	Ndufs8	BG244243	Mm.44227	19	10.844	10.616	10.724	10.778	10.776	10.684	10.813	11.530	10.603	10.315	10.793	10.941	10.672	10.343	10.623	10.711	11.606	11.384	10.925	10.974	11.453	11.653	10.742	10.643
1434214	at	B230300N1L9RIK	BS255016	Mm.206901	5	8.625	8.509	8.446	8.602	8.476	8.633	8.589	9.042	8.488	8.475	8.331	8.615	8.543	8.364	8.349	8.389	8.998	8.836	8.707	8.600	8.723	8.993	8.294	8.252	
1434215	at	B230300N11RIK	AW554529	Mm.278974	5	7.742	7.895	7.885	7.682	7.742	7.851	7.762	8.120	7.835	7.986	7.899	7.815	7.739	7.991	7.762	7.769	7.608	7.484	7.725	7.592	7.587	7.846	7.869	8.149	
1434216	a	at	Nud119	BG070689	Mm.410206	7	11.242	11.372	11.200	11.323	11.313	11.420	11.372	11.358	10.986	11.049	11.054	11.266	11.097	11.170	11.156	11.247	11.399	11.466	11.512	11.529	11.329	11.479	11.324	11.381
1434217	at	C330019G07RIK	BB400635	Mm.472781	5	8.726	9.133	8.850	9.037	9.117	8.970	9.009	8.826	9.211	8.926	9.187	9.012	8.969	9.259	9.005	8.904	8.767	8.841	8.894	8.810	8.906	8.838	8.961	8.906	
1434218	at	C330019G07RIK	BB400635	Mm.472781	5	6.834	6.892	6.890	6.718	6.678	6.919	6.954	6.582	7.019	7.241	7.108	6.928	6.853	7.193	7.204	6.953	6.799	6.978	7.047	7.075	6.782	6.877	7.276	6.967	
1434219	at	Stim2	BB004503	Mm.265985	5	8.715	9.250	8.603	8.608	9.160	8.849	8.733	9.092	9.416	9.433	9.252	9.198	9.394	9.295	9.124	8.588	8.502	8.554	8.448	8.602	8.757	8.854	8.732	8.563	
1434220	at	Nup98	AV255972	Mm.439800	7	9.812	10.006	9.525	9.565	9.616	9.403	9.541	9.791	9.692	9.639	9.714	9.559	9.639	9.591	9.313	9.405	9.582	9.466	9.321	9.154	9.626	9.851	9.430	9.464	
1434221	at	Nup98	AV255972	Mm.439800	7	9.512	9.522	9.461	9.512	9.702	9.424	9.424	9.564	9.161	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504	9.504
1434224	x	at	Sipa11	BI153527	Mm.261333	12	7.760	8.079	7.527	7.737	7.527	7.750	7.614	8.067	8.675	8.452	7.714	8.458	8.439	7.965	8.037	7.715	7.440	7.907	7.726	7.737	8.007	8.673	7.586	7.586
1434223	at	B181007P19RIK	BG695079	Mm.38907	4	6.647	6.689	6.515	6.660	6.688	6.522	6.607	6.721	6.822	6.632	6.359	7.358	6.860	6.698	6.614	6.590	6.815	6.706	6.749	6.430	6.756	6.348	6.503	6.611	
1434224	at	Tblt	AV274155	Mm.36746	5	8.577	9.093	8.485	8.645	8.541	8.572	8.507	8.671	9.059	8.784	8.815	8.644	8.645	9.141	8.497	8.482	8.503	8.402	8.488	8.538	8.421	8.610	8.504	8.344	
1434225	at	Swap70	AV024531	Mm.331444	7	9.524	9.250	9.467	9.526	9.383	9.547	9.493	9.011	9.498	9.571	9.493	9.561	9.650	9.662	9.594	9.588	9.149	9.229	9.418	9.470	9.020	8.948	9.254	9.359	
1434226	at	Cyb561d1	AV221525	Mm.246391	3	5.355	5.781	5.582	5.563	5.563	5.634	5.623	5.625	5.498	5.609	5.596	5.403	5.650	5.555	5.652	5.549	5.348	5.675	5.812	5.736	5.775	5.537	5.597	5.374	5.358
1434227	at	Krtadp	AV007306	Mm.268157	4	7.113	5.841	6.019	5.759	6.008	5.985	5.943	5.892	5.936	5.866	5.904	5.740	5.899	5.980	5.857	5.926	5.802	5.934	5.905	5.929	5.955	6.043	5.933	5.957	
1434228	at	Pgm2c	AV255921	Mm.331489	4	9.597	9.732	9.866	9.896	9.704	10.076	10.100	9.355	9.248	9.865	9.476	9.641	9.459	9.694	9.589	9.910	10.030	9.772	9.813	10.102	9.569	9.682	9.723	9.419	
1434229	at	Polb	BG094251	Mm.259221	8	10.795	10.659	10.649	10.577	10.956	11.090	11.920	10.887	11.090	11.175	10.931	10.854	10.924	10.952	10.982	10.982	10.982	10.982	10.982	10.982	10.982	10.982	10.982	10.982	10.982
1434230	at	Polb	BG094331	Mm.123211	8	10.761	10.872	10.672	10.785	10.792	10.787	10.824	10.666	10.811	10.876	10.694	10.939	10.939	10.770	10.784	10.676	10.781	10.749	10.782	10.783	10.717	10.687	10.836	10.862	10.862
1434231	x	at	Rpl35	AV124680	Mm.345333	2	11.953	12.597	11.757	11.863	12.062	11.840	11.839	12.541	12.727	12.343	12.168	12.263	12.280	12.342	11.888	11.472	12.412	12.279	11.804	11.808	12.220	12.372	11.333	11.353
1434232	a	at	2610030H06RIK	BB429625	Mm.41102	X	6.853	7.729	7.284	6.871	7.423	7.249	7.088	7.292	7.524	7.725	7.763	7.747	7.652	7.680	7.436	7.073	6.772	6.772	6.925	6.683	6.760	6.789	6.856	6.866
1434233	at	2610030H06RIK	BB429625	Mm.41102	X	7.304	7.704	7.166	7.222	7.421	7.224	7.107	7.320	7.512	7.675	7.779	7.416	7.538	7.614	7.491	7.025	6.996	6.857	6.929	7.074	6.763	6.944	7.154	7.042	
1434234	at	Zfp341	BM230261	Mm.103555	2	7.236	7.143	7.000	7.437	7.474	7.209	7.242	7.462	7.357	7.254	7.001	7.173	7.281	7.108	7.136										

1434284	at	Bdp1	BQ031214	Mm.288546	13	9.974	9.930	9.941	9.968	9.918	9.976	10.021	9.817	9.755	10.083	10.071	9.873	9.875	9.837	9.998	10.012	9.710	9.720	9.767	9.929	9.905	10.032	10.219	10.317	
1434285	at	Frm44a	BB701578	Mm.37932	2	9.855	10.059	9.731	9.852	10.007	10.010	9.927	9.710	9.966	10.141	10.633	9.699	9.882	10.131	9.802	9.770	9.739	9.766	9.836	9.812	9.467	9.569	10.037	10.248	
1434286	at	Trps1	B0176054	Mm.30466	15	6.033	6.506	6.059	6.063	6.771	6.136	6.274	6.234	7.144	7.277	6.476	7.230	7.316	6.756	6.798	6.602	5.949	5.782	6.186	5.604	5.596	6.247	5.792	5.819	
1434287	at	Aqpna5	BG065500	Mm.24117	8	9.256	9.200	9.388	9.318	9.023	9.023	9.426	9.195	8.884	9.033	9.009	8.980	9.000	8.702	8.973	9.131	9.294	9.235	9.321	9.564	9.407	9.055	9.101	9.363	
1434288	at	Bn697317	Bm.386083	1	8.141	8.316	8.272	8.291	8.386	8.477	8.320	8.349	8.386	8.483	8.410	8.178	8.189	8.680	8.582	8.630	8.653	8.680	8.680	8.680	8.680	8.680	8.680	8.680	8.680	
1434289	at	Gsn5	BB133866	Mm.281189	5	8.303	8.445	8.285	8.477	8.300	8.335	8.300	8.274	8.175	8.343	8.254	8.476	8.186	8.296	8.157	8.301	8.421	8.495	8.350	8.382	8.271	8.115	8.265	8.205	
1434290	at	Ntd1	BG070887	Mm.314312	2	8.821	8.634	8.928	8.827	8.792	8.834	8.807	8.885	8.400	8.544	8.752	8.884	8.719	8.587	8.822	8.921	9.237	8.887	8.858	8.754	8.953	9.198	8.809	8.751	
1434291	a	Serf1	AA709993	Mm.286177	13	5.850	6.765	6.107	6.348	7.046	6.376	6.246	6.350	7.446	7.209	6.640	7.533	7.455	6.672	7.018	6.042	6.520	6.338	6.297	6.271	6.467	6.669	6.574	6.333	
1434292	at	A930034L06Rik	BT171047	Mm.294494	2	4.777	4.388	4.620	4.189	4.344	4.016	4.250	4.358	4.183	4.289	4.352	4.413	4.628	4.215	4.297	4.454	4.519	4.435	4.396	4.321	4.144	4.435	4.693	4.146	
1434293	at	Hectd3	AV242548	Mm.251420	4	7.092	7.394	7.272	7.393	7.598	7.322	7.259	7.215	7.411	7.265	7.184	7.403	7.409	7.177	7.506	7.332	7.653	7.593	7.576	7.654	7.436	7.457	7.412	7.312	
1434294	at	NA	BB183166	NA	NA	8.191	8.243	8.563	8.358	8.179	8.405	8.331	7.651	8.056	8.484	7.653	8.440	8.355	8.377	8.435	8.229	7.663	8.011	8.166	7.977	7.794	7.924	8.228	8.328	
1434295	at	Rasorp1	BE691356	Mm.42150	2	6.729	6.960	6.538	6.489	6.662	6.732	6.924	6.468	6.999	7.068	6.826	6.818	6.743	7.223	6.780	6.747	6.645	6.518	6.812	6.682	6.655	6.687	6.344	6.569	
1434296	at	BC049349	B1692075	Mm.33460	8	7.120	7.560	7.736	7.976	7.126	7.520	7.414	7.484	7.231	7.149	7.236	7.801	7.587	7.962	7.249	7.955	7.574	7.744	7.565	7.554	7.502	7.498	7.435	7.260	
1434297	at	E130304F04Rik	BB359887	Mm.403943	13	5.661	5.283	5.971	5.654	5.590	5.318	5.678	5.340	4.967	5.427	4.886	5.789	5.532	5.288	5.604	5.859	6.100	6.230	6.191	5.643	5.617	5.887	5.141	5.767	
1434298	at	Ze2b	B0174116	Mm.440702	2	6.447	7.185	6.444	6.284	6.487	6.499	6.559	6.451	7.008	7.598	6.614	6.952	6.693	6.972	7.066	6.156	5.864	5.744	6.140	5.480	5.959	6.109	6.124	6.387	
1434299	x	at	Rabl4	AI413098	Mm.30191	15	8.168	8.749	7.678	8.295	8.128	7.858	7.914	8.846	8.824	8.204	7.704	8.965	8.531	8.012	7.646	7.732	8.728	8.527	8.194	7.826	8.382	8.592	7.426	7.352
1434300	at	D610101N10Rik	BM247469	Mm.292742	9	9.099	9.075	9.104	9.135	9.030	9.071	9.057	9.030	8.794	8.882	8.762	8.985	8.869	8.775	8.726	8.995	9.330	9.025	9.064	8.935	8.995	9.205	8.858	8.959	
1434301	at	2330050I23Rik	BE303700	Mm.330853	15	6.333	6.757	7.111	7.551	6.378	7.289	7.020	7.250	6.969	7.115	6.943	7.338	6.869	7.187	7.543	7.120	7.329	7.376	7.415	7.431	7.277	7.779	6.910	6.510	
1434302	at	Raph1	AV307311	Mm.440325	1	11.724	11.279	11.926	11.158	11.202	11.351	11.428	11.203	11.000	11.503	11.076	11.103	11.075	11.173	11.165	11.849	10.600	10.808	11.107	10.933	11.091	11.367	11.534	11.571	
1434303	at	Raph1	AV307311	Mm.440325	1	12.032	11.937	12.223	11.547	11.856	11.861	11.839	11.905	11.794	12.041	11.793	11.770	11.821	11.883	11.954	12.247	11.450	11.585	11.758	11.550	11.709	11.964	11.950	11.855	
1434304	s	Nus1	BE949414	Mm.199964	10	10.286	10.592	10.209	9.970	10.081	10.145	10.135	10.119	10.416	10.510	10.685	10.365	10.091	10.440	10.266	10.119	9.601	9.597	9.684	9.567	9.924	10.147	10.199	10.542	
1434305	at	U2af114	BF018149	Mm.34790	7	10.188	10.356	10.080	10.090	10.204	10.203	10.301	10.614	10.195	10.129	10.289	10.413	10.196	10.049	10.006	9.995	10.709	10.673	10.298	10.258	10.422	10.518	9.892	9.750	
1434306	at	Rab31p	BF319015	Mm.336394	10	10.619	11.262	10.617	10.499	10.810	10.342	10.577	10.793	11.413	11.444	10.937	10.956	10.885	10.864	10.761	10.576	10.286	10.518	10.642	10.422	10.480	10.502	10.686	10.736	
1434307	at	Tmem64	AW489972	Mm.341111	4	9.730	9.583	9.924	9.824	9.970	10.180	9.929	9.456	9.456	9.816	9.352	10.091	9.877	9.746	9.845	9.853	9.951	9.970	10.269	10.039	9.877	10.092	9.922	10.139	
1434308	at	Slc43a2	AI016853	Mm.11846	11	6.401	7.452	6.936	6.747	6.809	6.823	6.521	6.813	7.255	7.199	6.604	7.001	6.900	7.196	6.826	6.756	6.675	6.925	6.831	6.611	6.789	6.675	6.820	6.526	
1434309	at	Fntb	BG063077	Mm.151174	12	8.448	8.909	8.457	8.592	8.852	8.847	8.777	8.555	8.567	8.879	8.613	8.568	8.660	8.627	8.565	8.467	8.579	8.780	8.753	8.516	8.497	8.779	8.660	8.583	
1434310	at	Bkm2	Mm.7106	Mm.7106	1	12.059	12.059	12.059	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	12.153	12.059	
1434311	at	Bkorf2	BG025078	Mm.28574	8	9.888	9.488	9.101	8.919	8.855	9.014	8.773	8.558	8.913	8.729	8.593	8.730	8.927	8.397	8.787	8.935	8.855	8.731	8.925	8.963	8.731	8.925	8.731	8.925	
1434312	at	Crdc1	AA958965	Mm.27308	12	7.502	8.628	7.607	7.418	7.657	7.246	7.586	7.910	8.088	8.299	8.303	8.786	8.002	8.155	8.060	7.235	6.960	7.329	7.212	6.850	7.272	7.373	7.616	7.366	
1434313	at	Actb126	BB762434	Mm.32416	6	7.680	7.775	7.466	7.395	7.726	7.455	7.648	7.664	7.535	7.598	7.203	7.628	7.485	7.590	7.531	7.628	7.667	7.566	7.505	7.580	7.524	7.657	7.504	7.434	
1434314	s	at	Rbl11fp5	BB717085	Mm.220334	6	11.995	12.486	12.188	12.245	12.342	12.100	12.209	12.287	12.646	12.636	12.206	12.555	12.644	12.532	12.270	12.220	12.153	12.295	12.208	12.042	12.051	12.022	12.155	
1434315	at	Nnal3	BB667103	Mm.26548	4	8.108	9.927	8.123	8.267	8.017	8.103	8.141	8.190	8.077	7.798	8.146	8.352	8.219	8.332	7.854	8.327	8.355	8.411	8.141	8.173	8.269	8.384	8.336	8.133	
1434316	at	Chs1	B0174991	Mm.33916	7	9.080	9.861	9.140	8.931	9.606	9.414	9.089	8.828	10.121	10.145	9.478	9.933	10.030	9.886	9.595	9.900	9.802	9.067	9.073	8.741	8.711	8.887	8.858	8.766	
1434317	s	at	Tev10	BG075406	Mm.272025	4	7.820	8.014	7.628	7.685	7.728	7.741	7.688	7.640	7.711	7.894	7.974	7.709	7.704	7.975	7.625	7.675	7.595	7.644	7.673	7.658	7.628	7.785	7.596	7.734
1434318	at	Tcl1	BG067326	Mm.269735	X	9.206	9.262	9.262	9.276	9.256	9.216	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	9.256	
1434319	at	Gdh1	AI608477	Mm.212703	11	6.660	6.596	6.753	6.699	6.797	6.669	6.712	6.745	6.794	6.727	6.808	6.948	6.705	6.904	6.837	6.899	6.635	6.772	6.812	6.927	6.761	6.599	6.785	6.737	
1434320	at	Mtfr3c4	AV221508	Mm.26043	2	8.546	8.697	8.603	8.536	8.617	8.551	8.519	8.393	8.671	8.742	8.593	8.961	8.813	8.806	8.693	8.383	8.653	8.774	8.535	8.553	8.666	8.454	8.544	8.549	
1434321	at	6620401K05Rik	BB038463	Mm.100622	9	6.820	7.043	6.731	6.762	6.933	6.968	6.639	6.704	6.907	6.596	6.730	6.850	6.875	6.859	6.676	6.618	7.074	7.118	7.120	6.581	6.683	6.950	6.615	6.693	
1434322	at	Micall2	B513585	Mm.240510	5	5.365	6.420	5.468	5.399	5.568	5.698	5.283	6.202	6.033	6.022	6.659	5.759	6.010	6.062	5.554	5.175	5.680	5.341	5.121	5.313	5.624	5.771	5.206	5.480	
1434323	at	Eif3h	AW701137	Mm.289800	15	4.245	4.241	4.380	4.189	4.276	4.421	4.215	4.258	4.238	4.319	4.243	4.149	4.228	4.283	4.086	4.242	4.092	4.265	3.996	4.534	4.200	4.050	4.218	4.190	
1434324	x	at	Eif3h	AW701137	Mm.28980																									

1434373	at	B930006L02Rik	BB699417	Mm.260362	7	8.968	9.325	8.776	8.699	9.191	8.773	8.800	9.392	9.503	9.615	9.126	9.373	9.500	9.157	9.143	8.712	9.000	9.041	9.002	8.717	9.037	9.182	9.169	9.200
1434374	at	B930006L02Rik	BB699417	Mm.260362	7	8.382	8.894	8.432	8.370	8.860	8.569	8.320	8.662	8.807	8.850	8.627	8.981	8.827	8.690	8.821	8.413	8.511	8.704	8.550	8.352	8.452	8.828	8.786	8.842
1434375	at	B930006L02Rik	BB699417	Mm.260362	7	10.028	10.440	9.821	9.805	10.153	9.919	9.879	10.340	10.558	10.396	10.191	10.382	10.570	10.217	10.103	9.831	9.950	10.126	10.073	9.868	10.185	10.240	10.192	9.986
1434376	at	Cd44	AW114619	Mm.423621	2	9.007	10.605	8.275	8.314	9.532	8.754	8.553	9.492	10.573	10.481	11.401	9.766	9.980	10.498	9.664	9.530	9.756	7.624	8.291	7.819	8.166	8.167	8.676	8.178
1434377	x at	Rp66	BE134137	Mm.379007	4	13.371	14.297	14.033	14.002	14.004	14.140	14.030	13.981	14.392	14.171	14.110	14.067	14.128	14.410	14.088	13.991	13.969	14.079	14.047	13.976	14.079	14.047	13.966	14.044
1434378	at	NA	BG686894	NA	NA	8.579	9.145	8.691	8.669	9.445	8.846	8.414	9.420	9.734	9.297	8.705	9.272	8.677	9.030	9.422	8.325	9.205	9.085	8.585	8.572	9.423	9.880	9.197	9.103
1434379	at	NA	BG686894	NA	NA	7.939	8.030	7.735	8.152	8.543	8.085	7.927	8.472	8.279	8.367	8.029	8.847	8.722	8.104	8.432	7.853	8.279	8.238	7.946	7.981	8.522	8.763	8.454	8.255
1434380	at	Gbp6	BM241271	Mm.45740	3	7.655	8.106	7.967	7.959	8.019	8.170	10.142	8.455	8.120	8.246	7.883	8.289	8.082	8.158	8.047	7.938	8.027	7.952	7.771	8.004	8.349	8.423	8.083	7.953
1434381	at	Atmin	AV287602	Mm.259736	8	6.808	7.061	7.015	6.973	7.073	7.028	6.942	7.054	7.022	6.980	7.085	7.009	7.123	7.128	7.066	7.009	6.998	7.124	6.993	7.012	7.012	6.995	6.996	6.912
1434382	at	Serinc2	AV083936	Mm.45132	4	7.926	7.993	7.950	7.997	7.876	7.815	7.975	7.886	7.934	7.900	7.785	8.697	8.972	8.276	7.938	7.922	7.641	7.799	7.650	7.983	7.848	7.763	7.779	7.805
1434383	at	Pla2	BM114949	Mm.41711	17	11.049	10.945	11.103	11.063	10.955	11.196	11.183	11.062	10.910	11.070	10.914	10.996	10.867	10.941	10.977	11.079	10.887	10.792	10.949	11.017	11.091	11.047	11.181	11.115
1434384	at	Nr1	BB764550	Mm.74711	16	9.290	9.869	9.857	9.070	9.265	9.477	9.265	9.148	9.024	9.238	8.954	9.224	9.317	9.063	9.334	9.082	9.381	9.419	9.599	9.618	9.335	9.372	9.142	9.514
1434385	at	Tom112	BG072270	Mm.218875	11	11.696	11.638	11.671	11.686	11.669	11.640	11.707	11.495	11.324	11.560	11.979	11.521	11.520	11.582	11.657	11.750	11.486	11.677	11.802	11.758	11.100	11.181	11.640	11.786
1434386	at	Atp2c1	BM225269	Mm.326247	9	8.611	8.706	8.705	8.622	8.796	8.906	8.652	8.587	8.726	8.936	8.567	8.661	8.791	8.716	8.947	8.586	9.250	9.170	9.408	9.070	8.939	9.086	9.112	9.059
1434387	at	Itf1a3	AV251853	Mm.28844	17	11.015	11.122	11.103	11.134	11.376	11.080	11.118	10.988	11.074	11.127	11.042	11.396	11.199	10.757	11.100	11.080	11.109	11.332	11.321	11.198	11.114	11.073	10.945	11.128
1434388	at	Mobk12a	BB023868	Mm.49309	10	7.389	7.918	7.129	6.978	7.423	7.084	7.120	7.411	8.434	8.000	7.831	7.576	8.036	7.786	7.392	6.946	6.937	7.018	6.953	6.884	7.132	6.892	7.158	7.510
1434389	at	Sos1	BB0716656	Mm.434583	17	8.244	8.612	8.302	8.383	8.532	8.483	8.417	8.229	8.442	8.665	8.062	8.450	8.581	8.432	8.419	8.322	8.371	8.520	8.640	8.359	8.131	8.345	8.193	8.350
1434390	at	AI503316	BB200448	Mm.86589	15	8.078	7.838	8.063	7.711	7.389	8.086	8.029	8.095	7.417	8.020	7.836	7.846	7.727	7.798	8.121	8.207	7.801	8.005	8.004	7.917	7.896	8.328	8.230	7.864
1434391	at	AI503316	BB200448	Mm.86589	15	9.821	9.675	9.632	9.641	9.357	9.640	9.689	9.727	9.518	9.674	9.490	9.578	9.493	9.449	9.602	9.660	9.650	9.623	9.779	9.483	9.768	9.796	9.892	9.395
1434392	at	Usp3a	BM235696	Mm.119155	11	10.290	10.507	10.245	10.240	10.406	10.348	10.394	10.335	10.400	10.456	10.322	10.458	10.361	10.421	10.368	10.250	10.174	10.248	10.375	10.276	10.196	10.357	10.198	10.302
1434393	at	Usp3a	BM235696	Mm.119155	11	8.649	9.077	8.602	8.682	9.092	8.900	8.851	8.882	8.886	8.972	8.894	9.056	8.977	9.058	9.031	8.820	8.130	8.828	8.935	8.881	8.732	8.915	8.833	8.878
1434394	at	N4b2p	AV116077	Mm.332398	5	8.876	8.564	8.992	8.690	8.792	9.045	8.830	8.405	8.837	8.839	8.534	8.670	8.847	8.788	8.955	9.018	8.871	8.850	9.060	8.989	8.679	8.812	8.926	9.086
1434395	at	Man1a2	AV325150	Mm.271617	3	8.781	9.024	8.892	8.869	9.268	9.022	8.935	8.903	9.228	9.148	8.872	9.133	9.341	8.982	9.186	8.946	9.225	9.275	9.306	9.071	8.994	9.147	8.791	9.124
1434396	a at	Myl6	AU017189	Mm.337074	10	13.217	14.093	12.941	13.195	13.820	13.415	13.404	13.765	14.350	14.150	13.972	14.183	14.143	14.086	13.806	12.946	12.962	13.161	13.167	12.989	13.072	13.127	13.068	12.846
1434397	at	Ydhhc17	BM248633	Mm.339281	10	9.872	9.682	10.005	9.779	9.542	10.174	10.018	9.599	9.368	9.972	9.806	9.547	9.703	9.746	9.769	9.973	9.854	9.910	10.092	10.142	9.703	9.893	9.968	10.032
1434398	at	Nkrf1	BB396674	Mm.21649	X	7.416	7.872	7.619	7.333	7.360	7.634	7.463	7.498	7.495	7.577	7.916	7.307	7.383	7.824	7.648	7.566	7.228	7.212	7.287	7.086	7.488	7.378	7.524	7.605
1434399	at	GalT2	Mm.22969	Mm.22969	15	6.826	7.169	6.927	6.832	6.792	7.148	6.821	6.589	6.589	6.805	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589	6.589
1434400	at	Tif2	AV556273	Mm.215625	2	8.095	8.235	7.915	8.258	8.503	8.838	8.354	8.214	8.385	8.130	8.454	8.130	8.295	8.289	8.130	8.295	8.289	8.130	8.295	8.289	8.130	8.295	8.289	8.130
1434401	at	Zcchc2	BM224914	Mm.210188	1	8.301	9.081	8.692	8.825	8.975	8.931	8.714	8.659	9.038	9.047	9.458	9.066	9.070	9.097	9.145	8.751	8.698	8.846	8.627	8.714	8.927	8.804	8.948	8.927
1434402	at	Samd8	BO176258	Mm.102765	14	9.290	9.199	9.243	8.909	8.892	8.902	9.098	9.028	9.911	9.403	8.959	9.182	9.206	9.084	9.037	9.167	8.802	8.913	9.048	9.059	8.827	9.229	8.837	8.943
1434403	at	Spre2	AV229054	Mm.266627	10	10.125	10.390	10.107	10.259	10.480	10.128	10.080	10.606	10.401	10.466	10.403	10.715	10.537	10.284	10.414	10.044	10.815	10.585	10.138	10.339	10.573	10.749	10.151	10.482
1434404	at	C03001101ARik	BB375245	Mm.135018	3	7.519	7.493	7.717	7.476	7.707	7.756	7.535	7.850	7.258	7.532	7.136	7.491	7.608	7.452	7.385	7.793	8.058	7.757	7.898	7.679	7.829	8.722	7.678	7.447
1434405	at	Fni1p	BB360713	Mm.34087	11	9.851	9.985	9.417	9.228	9.178	9.274	9.344	9.604	8.812	9.219	9.275	9.332	8.968	8.878	9.426	9.422	9.346	9.005	9.146	9.130	9.203	9.628	9.496	9.835
1434406	at	Sraap2	BB817145	Mm.276259	1	6.688	9.180	8.561	8.814	8.987	8.682	8.783	9.104	9.457	9.105	8.997	8.950	9.114	9.150	8.952	8.786	7.928	8.748	8.533	8.554	8.681	9.013	8.838	8.637
1434407	at	Sraap2	BB817145	Mm.276259	1	6.688	9.180	8.561	8.814	8.987	8.682	8.783	9.104	9.457	9.105	8.997	8.950	9.114	9.150	8.952	8.786	7.928	8.748	8.533	8.554	8.681	9.013	8.838	8.637
1434408	at	Atxn3	BB0716512	Mm.475699	12	5.732	6.082	5.966	6.013	6.086	5.961	6.265	5.665	5.894	6.376	5.661	6.109	5.903	6.156	6.144	5.955	5.514	5.445	5.862	5.542	5.569	6.080	6.068	6.201
1434409	at	Armcx6	BB045845	Mm.113272	X	6.868	6.781	6.720	6.924	6.895	6.943	7.029	7.061	7.110	6.807	6.991	6.919	6.752	7.108	6.883	6.914	6.955	6.848	6.837	6.664	6.828	6.672	6.733	7.054
1434410	at	BC043118	AV276428	Mm.246424	16	9.682	9.474	9.843	9.774	9.635	9.647	9.557	9.604	8.803	9.331	9.202	9.637	9.383	9.227	9.474	9.920	9.732	9.934	9.882	9.681	9.602	9.766	9.705	10.168
1434411	at	Col11a9	BB114398	Mm.38119	9	5.987	7.971	6.107	6.396	8.365	7.342	6.452	6.839	9.028	8.875	7.731	10.150	9.905	8.693	8.996	6.429	5.642	6.178	6.496	6.181	6.340	5.728	6.137	6.456
1434412	x at	Stub1	AW490135	Mm.275199	17	10.799	10.875	10.720	10.829	10.783	10.780	10.790	10.774	10.759	10.737	10.654	10.821	10.637	10.673	10.732	10.698	11.141	11.011	10.806	10.839	10.908	10.884	10.677	10.705
1434413																													

1434462	at	BC088983	BB765964	Mm.425534	8	7.362	7.853	7.700	7.743	7.663	7.606	7.609	7.558	7.566	7.640	7.422	7.691	7.687	7.659	7.748	7.717	7.606	7.646	7.653	7.496	7.464	7.754	7.517	7.569
1434463	at	Bfsn2	BB753392	Mm.335403	9	7.409	7.046	7.309	7.279	7.166	7.231	7.260	7.270	7.221	7.048	7.248	7.321	7.111	7.232	7.302	7.454	7.270	7.231	7.247	7.235	7.300	7.237	7.339	7.369
1434464	at	Aqp2	BB966647	Mm.235537	1	8.395	8.070	8.358	8.315	8.265	8.254	8.260	8.319	8.273	8.295	8.233	8.137	8.355	8.292	8.212	8.298	8.280	8.274	8.210	8.375	8.296	8.251	8.305	8.152
1434465	x at	Vldlr	AV333363	Mm.4141	19	12.496	11.661	12.665	12.562	12.407	12.595	12.446	12.273	11.633	12.119	12.006	12.380	12.301	11.904	12.720	12.639	12.828	12.828	12.495	12.589	12.766	12.766	13.086	13.027
1434466	at	Alcam	BQ042895	Mm.127681	10	5.179	5.094	5.220	5.136	5.174	5.359	5.205	5.200	5.075	5.037	5.355	5.233	5.298	5.154	5.276	5.226	5.288	5.296	5.104	5.374	5.476	5.402	5.216	5.291
1434467	at	Alcay	BQ042895	Mm.127681	10	6.300	6.328	6.412	6.580	6.413	6.240	6.450	6.392	6.431	6.538	6.352	6.279	6.290	6.455	6.410	6.342	6.322	6.342	6.594	6.496	6.286	6.266	6.603	6.132
1434468	at	Otd4d	BM234948	Mm.34348	8	10.732	10.660	10.961	10.887	10.748	11.129	11.032	10.061	10.322	10.714	10.858	10.638	10.526	10.848	10.883	11.059	10.491	10.664	11.096	10.972	10.577	10.490	11.005	11.132
1434469	at	Otd4d	BM238914	Mm.34348	8	9.244	9.168	9.431	9.468	8.987	9.683	9.467	8.790	8.754	9.260	9.251	8.917	9.180	9.413	9.429	9.691	8.883	9.084	9.621	9.801	9.070	8.866	9.580	9.887
1434470	at	Svt13	BB244585	Mm.33490	2	6.366	6.144	6.313	6.531	6.294	6.265	6.344	6.250	6.252	6.215	6.316	6.167	6.321	6.252	6.348	6.307	6.098	6.353	6.392	6.567	6.343	6.338	6.429	6.471
1434471	at	BC003331	BB166089	Mm.222093	1	7.987	8.329	7.901	8.102	8.453	7.996	7.636	8.152	8.139	8.261	7.809	8.619	8.256	7.707	8.145	7.925	8.350	8.227	7.738	7.674	8.036	8.589	7.863	7.776
1434472	at	Dusp3	AV287497	Mm.196295	11	11.967	12.435	11.876	11.937	12.268	11.947	12.025	12.297	12.313	12.128	12.200	12.209	12.189	12.074	12.062	11.747	11.536	11.730	11.633	11.769	11.850	11.855	11.934	11.782
1434473	at	Scl16a5	AI647939	Mm.25773	11	5.883	5.943	5.803	5.863	5.938	5.945	5.970	6.253	6.071	5.844	6.006	5.968	6.114	5.914	6.012	5.942	5.813	5.976	5.919	5.966	6.028	5.953	6.100	6.173
1434474	at	Abca5	BM937648	Mm.41942	11	8.994	9.266	8.774	8.598	9.468	9.399	9.301	8.670	9.291	9.384	9.517	9.358	9.374	9.245	9.347	9.026	9.256	9.075	9.158	9.118	8.911	9.216	9.381	9.446
1434475	at	Ppia	BB309731	Mm.11815	2	8.081	8.046	8.195	8.274	8.141	8.230	8.113	8.245	7.872	8.079	7.659	8.253	8.147	7.793	8.087	8.273	8.439	8.240	8.297	8.183	8.074	8.245	8.107	8.199
1434476	at	Crtic1	BM119896	Mm.227767	8	8.341	8.261	8.115	8.384	8.562	8.238	8.326	8.342	8.405	8.242	8.356	8.319	8.585	8.329	8.261	8.291	8.577	8.458	8.496	8.453	8.401	8.257	8.275	8.123
1434477	at	Heca	BE447663	Mm.276430	10	9.391	9.088	9.200	9.304	9.146	9.173	9.021	8.968	9.272	9.436	8.969	9.387	9.410	8.977	9.421	9.256	9.199	8.951	9.201	8.999	9.300	9.382	9.310	9.819
1434478	at	Heca	BE447663	Mm.276430	10	10.550	9.810	10.288	10.310	10.198	10.298	10.268	10.176	9.993	10.192	9.624	10.378	10.457	9.874	10.382	10.352	10.529	10.400	10.375	10.336	10.433	10.726	10.336	10.534
1434479	at	Col5a1	AV246911	Mm.7281	2	9.194	11.158	8.977	9.366	10.930	9.640	9.026	10.072	12.231	11.824	10.424	11.116	11.606	11.391	10.852	8.954	8.844	9.031	9.606	8.804	8.795	9.046	8.676	8.923
1434480	at	493040Z2E16Rik	BB667201	Mm.370024	8	10.534	10.317	10.616	10.687	10.568	10.748	10.671	10.486	9.895	10.105	10.188	10.489	10.004	10.015	10.491	10.696	10.801	10.819	10.593	10.753	10.712	10.872	10.756	10.862
1434481	at	412140Z002Rik	BB695596	Mm.258352	11	10.195	10.391	10.153	10.411	10.165	10.124	10.288	10.366	9.894	10.119	10.192	10.122	10.027	9.918	10.165	10.254	10.387	10.341	10.281	10.149	10.148	10.211	10.176	10.301
1434482	at	D4Ertg22e	BM203518	Mm.332006	4	8.918	9.187	8.556	8.408	8.768	8.448	8.683	8.943	9.620	9.176	9.028	8.900	8.944	8.999	8.650	8.346	8.784	8.689	8.701	8.460	8.677	8.826	8.392	8.552
1434483	at	Usp12	AW539189	Mm.167971	5	8.931	9.268	8.853	8.949	9.109	9.147	9.011	9.070	9.142	9.131	9.232	9.062	9.124	9.156	9.083	8.977	8.982	8.953	8.996	8.877	9.016	8.948	8.894	9.097
1434484	at	110001G20Rik	AV006463	Mm.902	11	6.534	5.948	5.936	6.078	5.676	5.841	5.873	5.665	5.695	6.002	5.964	5.687	5.729	5.842	5.604	6.027	5.821	5.735	5.668	5.729	5.698	5.539	5.827	6.002
1434485	a at	Uqp2	AW146314	Mm.28877	11	12.112	11.680	11.986	12.035	12.157	11.982	12.163	12.460	11.631	11.911	12.269	11.749	11.718	11.700	11.960	11.960	11.838	12.026	12.156	12.061	12.171	12.119	12.130	12.528
1434486	x at	Uqp2	AW146314	Mm.28877	11	12.132	11.738	12.001	12.020	12.177	11.977	12.164	12.519	11.761	12.016	12.280	11.890	11.749	11.690	12.055	11.948	11.867	12.059	12.205	12.045	12.223	12.112	12.157	12.549
1434487	at	Elmo3	AV334508	Mm.475873	3	10.899	10.614	11.032	11.000	11.026	11.128	10.983	10.952	10.445	10.606	10.527	10.730	10.865	10.692	10.818	10.981	11.135	11.384	11.522	11.264	10.989	11.062	11.011	10.736
1434488	at	Elmo3	AV334508	Mm.475873	2	9.939	8.754	9.154	9.154	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754	8.754
1434489	at	Elrn2	AI481205	Mm.237966	8	6.118	6.010	5.890	5.601	6.083	6.078	5.159	5.780	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916
1434490	at	Scarf1	AA986099	Mm.10486	11	7.503	7.627	7.576	7.647	7.730	7.500	7.372	7.864	7.504	7.525	7.415	7.541	7.467	7.464	7.439	7.456	7.562	7.461	7.557	7.467	7.628	7.785	7.581	7.514
1434491	a at	Cox6c	AV111078	Mm.548	15	13.566	13.097	13.538	13.369	13.225	13.166	13.283	13.409	12.904	12.998	12.974	13.236	13.025	13.029	13.233	13.243	13.457	13.476	13.601	13.192	13.019	13.579	13.314	13.211
1434492	at	AI300022J15Rik	BB766175	Mm.251789	6	6.881	7.200	6.769	6.818	6.839	6.798	6.788	6.814	7.100	7.115	6.725	6.852	6.874	7.039	6.772	6.770	6.726	6.791	6.795	6.883	6.611	6.739	6.789	7.082
1434493	at	1810022K09Rik	BB092222	Mm.389020	3	7.246	6.915	7.152	6.859	6.891	6.922	6.788	7.240	7.406	7.409	7.278	7.413	7.526	7.043	7.072	6.765	7.174	7.043	7.024	6.854	7.307	7.548	6.662	7.102
1434494	at	Zar1	BG071693	Mm.11934	5	8.146	7.667	7.980	8.169	7.964	7.911	7.962	8.056	7.898	7.755	8.179	7.936	7.940	7.850	7.939	7.959	7.991	7.856	7.910	8.039	8.168	7.959	7.817	7.784
1434495	at	Patz1	BM208058	Mm.275563	11	7.395	7.287	7.695	7.509	7.743	7.654	7.786	7.372	6.801	7.026	7.145	7.490	7.423	7.183	7.566	7.959	8.012	8.090	7.977	8.028	7.722	7.725	7.512	7.427
1434496	at	Phkb	Mm.250132	4	9.479	7.935	7.522	7.492	7.816	7.715	7.846	7.380	7.916	7.846	8.399	7.367	7.611	7.542	7.210	7.154	7.584	7.584	7.584	7.584	7.584	7.584	7.584	7.584	7.584
1434497	at	4933431E20Rik	BB754142	Mm.270500	3	5.650	5.692	5.548	5.572	5.570	5.760	5.638	5.632	5.947	5.920	5.303	6.248	5.778	5.566	5.507	5.796	5.719	5.924	5.742	5.655	5.233	5.713	5.524	5.671
1434498	at	Gm1673	BE627627	Mm.4923	5	8.168	8.138	8.110	8.060	8.148	8.086	8.013	8.244	8.334	7.959	8.132	8.081	8.157	7.988	8.073	8.146	8.560	8.476	8.215	8.288	8.316	8.385	8.082	8.152
1434499	a at	Ldhb	AV219418	Mm.9745	6	13.984	13.413	13.971	14.028	13.678	13.379	13.879	13.828	12.984	13.298	13.458	13.626	13.415	13.007	13.696	13.953	14.030	14.014	13.864	13.950	14.113	14.064	13.964	13.944
1434500	at	Ttyh2	BF585303	Mm.271934	11	7.144	7.800	6.946	6.844	7.427	6.982	7.034	7.233	7.421	7.190	7.596	7.099	7.020	7.256	7.049	7.036	6.860	6.888	6.803	6.880	6.741	6.727	7.139	6.854
1434501	at	Ypel4	AW044756	Mm.59978	2	5.366	5.507	5.060	5.271	5.412	5.134	5.109	5.153	5.353	5.101	5.023	5.197	5.438	5.309	5.483	5.540	5.241	5.231	5.483	5.429	5.			

1434551	at	Hnrrnpl2	BI080136	Mm.411443	19	10.746	10.540	10.869	10.928	10.781	10.898	10.664	10.547	10.501	10.808	10.490	10.787	10.698	10.569	10.806	10.552	10.855	10.773	10.678	10.932	10.845	10.893	10.906	10.859
1434552	at	Wdr77	BB372571	Mm.5110	3	8.827	8.897	8.775	8.666	8.997	8.831	8.878	8.810	8.262	8.284	8.774	8.318	8.418	8.691	8.548	8.815	9.124	8.869	9.011	8.889	8.860	9.007	8.811	8.979
1434553	at	Tmem56	BB667728	Mm.26088	3	5.609	5.115	5.183	5.013	3.697	4.884	5.413	4.097	4.277	4.062	4.409	4.381	4.985	4.281	4.125	5.264	4.165	4.479	5.176	4.930	3.959	4.035	3.933	4.218
1434554	at	Bm119247	BM119247	Mm.17436	11	5.477	5.850	5.495	5.517	5.598	5.515	5.653	5.156	5.543	5.704	5.586	5.424	5.531	5.941	5.575	5.582	5.582	5.467	5.582	5.359	5.498	4.975	5.582	5.300
1434555	at	Ang32a	BB027527	Mm.269088	9	10.478	10.251	10.378	10.523	10.458	10.478	10.472	10.818	10.366	10.418	10.232	10.532	10.470	10.331	10.361	10.256	11.100	10.881	10.751	10.682	10.565	11.158	10.452	10.477
1434556	at	NA	BI437942	NA	9	9.362	9.044	9.395	9.301	9.061	9.339	9.225	8.994	8.504	8.957	8.865	8.878	8.724	8.729	9.037	9.386	9.274	9.339	9.378	9.240	9.410	9.517	9.398	9.648
1434557	at	Hid1	BB794880	Mm.280805	5	8.894	9.423	8.934	8.862	9.700	9.188	8.836	9.010	8.877	9.987	9.141	8.869	10.061	9.290	9.648	8.916	9.027	8.952	9.120	8.848	9.015	9.287	9.066	9.318
1434558	at	Wdr47	BG075633	Mm.285968	3	7.946	8.817	8.146	8.043	8.563	8.250	8.156	8.256	9.257	9.130	8.288	8.930	8.920	8.728	8.678	8.003	7.918	7.943	8.246	7.981	7.901	8.000	8.086	7.982
1434559	at	Stx3	AW536415	Mm.272264	19	6.410	6.324	6.570	6.653	6.378	6.498	6.620	6.283	6.461	6.672	6.693	6.254	6.485	6.724	6.763	6.575	6.249	6.076	6.556	6.714	6.647	6.115	6.683	6.749
1434560	at	Wtdc1	BM899640	Mm.226576	4	10.364	9.831	10.060	10.379	10.033	10.015	10.104	10.025	9.506	9.584	9.740	9.887	9.809	9.460	9.732	10.092	10.047	10.453	10.013	10.058	10.303	9.787	10.163	10.155
1434561	at	Asx1	BI648411	Mm.330677	2	9.668	9.535	9.654	9.710	9.686	9.632	9.623	9.612	9.633	9.643	9.609	9.703	9.605	9.702	9.778	9.692	10.041	9.929	9.831	9.800	9.696	9.944	9.708	9.944
1434562	at	Mfap3	AV536327	Mm.30501	11	9.393	9.597	9.523	9.522	9.520	9.625	9.595	9.649	9.709	9.731	9.507	9.647	9.667	9.786	9.677	9.391	9.461	9.594	9.660	9.581	9.295	9.365	9.449	9.347
1434563	at	Rps6k149	Mm.220912	1	7.587	7.924	7.463	7.649	7.706	7.793	7.484	7.558	7.787	7.895	7.803	8.000	7.610	7.732	7.780	7.683	7.787	7.696	7.908	7.740	7.549	7.648	7.680	7.969	
1434564	at	E2f3	BO176318	Mm.268356	13	8.683	9.041	8.615	8.810	9.046	8.731	8.726	8.953	9.014	9.007	9.389	9.200	9.252	9.047	9.012	8.633	8.482	8.611	8.703	8.546	8.501	8.594	8.467	8.688
1434565	at	Carr1	AV305616	Mm.343809	14	8.591	8.782	8.588	8.719	8.930	8.680	8.785	8.731	8.825	8.752	8.436	9.042	8.788	8.474	8.697	8.656	8.877	8.880	8.575	8.560	9.010	9.194	8.467	8.722
1434566	a at	4732496O08Rik	BE952228	Mm.275953	4	7.179	7.777	7.016	7.912	7.534	8.102	8.139	7.506	7.581	7.871	7.201	7.835	7.563	8.029	7.412	8.049	7.617	7.671	7.965	7.700	7.269	7.562	7.840	7.849
1434567	at	4732496O08Rik	BE952228	Mm.275953	4	8.121	8.217	8.613	8.391	8.188	8.396	8.408	7.609	7.985	8.316	7.866	7.920	8.157	8.277	8.275	8.479	7.994	8.098	8.564	8.512	7.994	8.011	8.493	8.542
1434568	at	NA	BG065425	Mm.475662	10	8.367	8.472	8.285	8.355	8.303	8.501	8.475	8.659	8.255	8.070	8.484	8.208	8.133	8.296	8.110	8.361	8.849	8.928	8.349	8.233	8.637	8.957	8.238	8.456
1434569	at	NA	BB428484	NA	8.849	8.896	8.843	8.907	8.943	8.773	8.755	8.844	8.940	8.843	8.928	9.075	8.826	8.739	8.834	8.937	9.047	9.045	8.935	8.838	9.332	9.004	9.032	9.023	
1434570	at	AK122525	BC070592	Mm.26897	10	8.946	8.696	9.149	8.968	8.791	8.942	9.086	8.902	8.460	8.623	8.989	8.729	8.772	8.855	8.839	9.107	9.440	9.285	9.429	9.270	8.991	9.296	8.615	9.085
1434571	at	Vps13b	AW109785	Mm.309250	15	8.421	8.840	8.379	8.512	8.814	8.608	8.504	8.482	8.509	8.446	8.219	8.631	8.622	8.489	8.292	8.504	8.677	8.507	8.381	8.565	8.934	8.790	8.536	8.528
1434572	at	Hdac9	BB750646	Mm.310551	12	9.008	8.733	9.155	9.003	8.893	9.269	9.202	8.786	8.070	8.761	8.734	8.782	8.648	8.654	8.738	8.910	9.278	9.257	9.126	9.085	8.563	8.901	8.815	8.600
1434573	at	Traf3i03	BE986588	Mm.261259	1	5.433	5.530	5.293	5.286	5.436	5.325	5.256	5.320	5.710	5.479	5.542	5.378	5.620	5.379	5.394	5.354	5.489	5.404	5.297	5.381	5.422	5.411	5.359	5.618
1434574	at	9430008C03Rik	BF466702	Mm.119198	2	6.457	6.657	6.023	6.250	6.245	6.175	6.093	6.249	6.398	6.177	6.549	6.039	6.211	6.183	6.244	5.975	6.080	6.139	6.134	6.271	6.221	6.076	6.277	5.872
1434575	at	NA	BB794965	Mm.20852	2	7.736	7.836	7.432	7.750	7.689	7.764	7.780	7.697	7.872	7.767	7.770	7.840	7.969	7.817	7.766	7.578	7.684	7.862	7.846	7.738	7.860	7.722	7.729	7.458
1434576	at	Tsod14	BI648973	Mm.65389	6	8.336	8.279	8.176	8.212	8.256	8.199	8.397	8.534	8.572	8.239	8.525	8.143	8.243	8.486	8.096	8.039	8.252	8.171	8.392	8.236	8.255	8.253	8.733	7.983
1434577	at	Ang2040	BC070527	Mm.134929	2	7.603	7.751	7.761	7.752	7.750	7.766	7.757	7.758	7.767	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753	7.753
1434578	at	LOC100045999	BI714822	NA	9	11.940	12.506	11.822	11.775	11.822	12.272	11.994	12.034	12.202	12.108	11.979	12.800	11.997	12.217	11.706	11.647	11.603	11.670	11.647	11.483	11.895	11.469	11.815	11.955
1434579	x at	Ndufs8	BB272517	Mm.42227	19	13.112	12.827	12.972	13.049	13.106	13.001	13.115	13.659	12.794	12.571	13.072	13.141	12.915	12.584	12.865	12.969	13.799	13.620	13.176	13.303	13.652	13.804	13.048	12.891
1434580	at	Ennp4	AV280361	Mm.255971	17	9.839	9.923	9.960	9.794	9.939	9.862	9.932	9.971	9.710	9.943	9.847	10.020	9.926	9.896	9.981	9.890	10.110	9.879	9.930	9.970	9.965	10.169	10.073	9.964
1434581	at	2104066E13Rik	BB167663	Mm.233860	6	8.136	7.329	8.470	8.738	8.404	8.660	8.197	7.882	7.598	8.150	7.463	8.722	8.388	7.714	8.536	8.444	8.492	8.412	8.310	8.361	8.547	8.524	8.428	8.540
1434582	at	NA	AV173869	Mm.318004	14	6.020	6.530	6.052	5.919	6.109	6.054	6.030	6.037	6.493	6.267	6.090	6.332	6.228	6.254	5.946	5.904	5.898	5.923	6.131	5.954	6.046	5.921	5.985	5.749
1434583	at	Tmem26	BB469903	Mm.72096	10	4.719	4.110	4.090	4.127	3.975	4.055	4.033	4.200	4.042	4.015	4.087	4.024	4.024	4.069	4.178	4.209	4.311	4.099	4.116	4.096	4.415	4.111	4.050	4.336
1434584	a at	Pramef5	BG069218	Mm.332031	4	4.811	4.625	4.919	4.742	4.739	4.819	4.938	4.756	4.700	4.629	4.939	4.542	4.835	4.887	4.835	4.886	4.771	4.741	4.873	4.953	4.404	4.725	4.798	4.881
1434585	at	Taf12	BB137430	Mm.280307	17	7.392	7.645	7.582	7.592	7.556	7.382	7.383	7.550	7.701	7.913	8.335	7.651	7.572	7.453	7.542	7.559	7.662	7.567	7.320	7.497	7.517	7.497	7.517	7.497
1434586	a at	Prdss2	BB770830	Mm.293591	7	10.928	11.064	10.907	10.887	10.856	10.819	10.933	10.951	11.101	11.185	10.665	11.256	11.107	11.004	10.958	11.006	11.027	11.069	11.046	11.103	10.932	11.098	10.930	10.713
1434587	x at	Prdss2	BB770830	Mm.293591	7	9.683	9.614	9.703	9.670	9.616	9.636	9.615	9.764	10.008	9.865	9.951	9.895	9.897	9.788	9.709	9.713	9.876	9.761	9.742	9.748	9.609	9.712	9.585	9.451
1434588	x at	EG620313	AI181668	Mm.310036	16	8.872	9.018	8.695	8.815	9.005	8.966	8.868	8.981	9.192	9.056	8.899	8.964	8.910	8.724	8.930	8.895	9.088	9.316	9.059	8.846	8.967	8.898	8.831	8.744
1434589	x at	Surf2	BB095883	Mm.389260	2	9.969	10.762	9.941	10.143	10.185	10.048	9.968	10.084	10.736	10.546	10.129	10.282	10.289	10.422	10.159	10.084	10.261	10.160	10.090	9.782	10.126	10.149	9.892	9.940
1434590	at	B230209C24Rik	BM898653	Mm.336619	1	7.242	7.124	7.065	7.176	7.332	6.870	7.067	7.246	7.369	7.489	7.355	7.295	7.248	7.437	7.139	7.036	6.690	6.839	7.295	6.758	6.945	7.134	7.234	7.271
1434591	at	BG069218	BB004443	Mm.31983	6	7.197	7.351</																						

1434640	at	Nrsn2	BF463917	Mm.330667	2	6.546	6.350	6.579	6.647	6.413	6.566	6.594	6.540	6.433	6.414	6.331	6.407	6.545	6.533	6.537	6.509	6.607	6.721	6.807	6.591	6.639	6.739	6.661	
1434641	x at	Sez612	AW121511	Mm.283926	7	6.908	7.102	6.662	6.958	7.345	7.028	7.032	7.594	6.847	7.172	7.493	7.534	7.367	7.079	7.373	6.649	6.844	7.011	6.924	7.318	7.141	7.261	7.161	7.030
1434642	at	Hsd17b11	BB546344	Mm.46019	5	10.629	10.711	10.373	10.490	11.050	10.642	10.532	10.869	11.072	10.900	10.232	10.962	11.495	10.763	10.899	10.479	11.148	11.571	11.566	11.204	10.919	11.007	10.560	10.638
1434643	at	Tbl1x	BF682509	Mm.258476	X	8.272	7.786	8.160	8.287	8.420	8.466	8.270	8.260	8.611	8.886	8.500	8.535	8.588	8.447	8.564	8.286	8.342	8.374	8.525	8.365	8.178	8.149	8.228	8.061
1434644	at	Tbl1x	BF682509	Mm.258476	X	6.586	7.477	6.502	6.784	7.086	6.727	6.515	6.573	7.176	6.884	6.229	6.947	6.894	6.784	6.768	6.636	6.472	6.686	6.752	6.541	6.374	6.439	6.774	6.286
1434645	at	C530008M17Rik	BA493717	Mm.101504	5	5.142	5.157	4.999	5.042	5.472	5.552	5.012	5.249	5.251	5.333	5.073	5.589	5.033	4.851	5.222	5.171	5.012	5.455	5.231	5.488	5.439	5.106	4.858	
1434646	s at	Sap18	AV023865	Mm.301374	14	11.025	11.270	10.759	10.891	11.031	10.822	10.919	11.571	11.362	10.989	11.063	11.192	11.135	11.069	10.847	10.818	11.779	11.478	11.041	11.034	11.509	11.648	10.886	10.742
1434647	at	Eqlfam	AV024806	Mm.203208	15	7.884	6.868	8.043	8.054	7.402	8.170	7.978	6.838	6.750	6.834	6.949	7.126	7.199	6.833	7.146	8.044	8.093	8.219	8.119	8.246	8.009	8.040	8.104	7.958
1434648	a at	Ccm2	BI903794	Mm.221271	11	9.885	10.371	9.815	10.036	10.097	9.547	9.747	10.556	10.433	10.017	10.381	10.248	10.412	9.829	9.854	10.033	10.210	9.642	9.164	9.998	10.289	9.328	9.300	
1434649	at	Ccm2	BI903794	Mm.221271	11	8.185	8.863	8.156	8.322	8.328	8.050	8.048	8.571	8.717	8.450	8.589	8.752	8.592	8.678	8.016	8.197	8.162	8.355	8.115	7.972	8.059	8.433	7.966	7.691
1434650	at	Poaz	BI250645	Mm.274787	3	7.549	7.618	7.568	7.716	7.742	7.750	7.508	7.589	7.368	7.476	7.325	7.489	7.593	7.387	7.451	7.672	7.627	7.716	7.602	7.474	7.618	7.824	7.722	7.621
1434651	a at	Cldn3	AV1611462	Mm.158662	5	9.428	8.681	9.310	9.160	9.558	9.103	9.114	9.231	8.773	8.789	9.096	8.781	8.864	8.936	9.100	9.234	9.075	9.104	9.258	9.202	9.244	9.026	9.117	9.237
1434652	at	Cdc42bpb	BI154551	Mm.27397	12	8.741	9.025	8.589	8.864	9.095	8.788	8.815	9.078	8.977	9.102	9.981	9.009	9.046	9.007	8.867	8.806	8.861	8.829	8.766	8.730	8.899	8.825	8.866	8.810
1434653	at	Pik3r1	AV026976	Mm.21613	14	6.861	7.281	6.901	6.661	7.522	6.979	6.986	7.281	8.405	8.092	7.098	8.032	7.638	7.626	7.383	6.924	6.738	6.892	7.067	6.478	6.934	6.874	6.715	6.552
1434654	at	Cco3	BE570422	Mm.86507	14	9.571	9.745	9.638	9.668	9.673	9.709	9.556	9.379	9.533	9.495	9.345	9.661	9.755	9.585	9.594	9.698	9.393	9.566	9.497	9.473	9.379	9.465	9.514	9.577
1434655	at	Foxk1	BM794583	Mm.24214	5	8.338	8.218	8.275	8.227	8.424	8.363	8.033	8.380	8.562	8.163	8.555	8.489	8.436	8.572	8.289	8.274	8.253	8.205	8.107	8.139	8.109	8.360	8.482	
1434656	at	B230339M05Rik	BE989070	Mm.398185	2	9.706	9.682	9.743	9.757	9.803	9.802	9.668	9.724	9.877	9.775	9.515	9.864	9.846	9.761	9.669	9.742	10.018	9.900	9.860	9.756	9.745	9.951	9.641	9.857
1434657	at	Gls	BE9893473	Mm.440465	1	10.308	10.501	10.237	10.248	10.908	10.363	9.678	10.349	11.022	10.907	10.408	11.052	11.054	10.406	10.830	10.260	10.603	10.515	10.523	10.484	10.662	10.625	10.606	10.553
1434658	at	J110056O03Rik	BB333439	Mm.3285	10	9.558	9.620	9.453	9.694	9.706	9.588	9.627	9.657	9.782	9.604	9.568	9.637	9.637	9.562	9.352	9.637	9.816	9.748	9.690	9.710	9.438	9.649	9.427	
1434659	at	SB30411G16Rik	BB514213	Mm.105343	6	8.308	8.362	8.284	8.277	8.226	8.507	8.403	8.020	8.333	8.592	8.010	8.324	8.398	8.225	8.412	8.358	8.129	8.391	8.356	8.195	8.302	8.375	8.384	8.293
1434660	at	Alkbh1	BG069448	Mm.26840	12	8.263	8.351	8.392	8.143	8.148	8.344	8.203	8.239	8.231	8.258	8.973	8.168	8.295	8.586	8.329	8.258	7.891	7.929	8.086	7.983	8.108	8.306	8.699	8.670
1434661	at	Sytnr1	BM272743	Mm.230301	15	9.473	8.891	9.535	9.491	9.244	9.416	9.374	9.373	8.832	9.074	9.291	9.135	9.097	9.184	9.376	9.477	9.492	9.443	9.405	9.634	9.496	9.386	9.499	9.467
1434662	at	Ata4a	BM237732	Mm.102230	X	9.376	9.385	9.461	9.340	9.559	9.615	9.621	9.350	9.419	9.511	9.324	9.416	9.484	9.425	9.567	9.458	9.329	9.416	9.542	9.481	9.294	9.350	9.344	9.486
1434663	at	Z410129H14Rik	BI151313	Mm.38912	14	9.478	9.245	9.703	9.657	9.457	9.720	9.576	9.221	8.913	9.497	9.149	9.401	9.215	9.201	9.570	9.641	9.418	9.364	9.497	9.702	9.419	9.583	9.688	9.692
1434664	at	Z410129H14Rik	BI151313	Mm.38912	14	8.104	8.236	8.583	8.298	8.167	8.523	8.356	8.125	8.078	8.371	8.136	8.366	8.196	8.305	8.561	8.378	8.048	8.111	8.251	8.240	8.123	8.016	8.324	8.540
1434665	at	Aaa	AV052058	Mm.334535	8	9.580	9.953	10.020	10.151	9.990	9.996	9.847	9.734	9.921	9.957	9.750	10.057	10.143	9.736	9.943	10.014	10.106	10.018	9.888	9.936	10.088	10.082	9.801	9.816
1434666	at	Col16a1	CC100048247	Mm.111606	11	10.636	10.503	11.176	11.169	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138	11.138
1434667	at	Col16a1	BG229308	Mm.296327	4	4.572	5.202	4.749	4.834	4.765	4.927	4.670	4.634	4.754	4.927	4.791	7.995	9.033	9.011	7.747	7.983	4.885	4.852	5.262	5.295	4.826	4.897	4.897	4.897
1434668	at	Nucks1	BM095136	Mm.392848	1	9.411	9.489	9.370	9.344	9.167	9.426	9.482	9.078	9.253	9.231	9.415	9.110	9.067	9.603	9.204	9.459	9.163	9.310	9.457	9.455	9.185	9.130	9.320	9.331
1434669	at	Ralps1	BM247829	Mm.274249	2	7.648	7.422	7.558	7.470	7.625	7.424	7.537	7.355	7.366	7.308	7.273	7.377	7.304	7.316	7.163	7.607	7.554	7.554	7.468	7.416	7.532	7.439	7.549	7.440
1434670	at	Kif5a	AV067810	Mm.30355	10	6.570	6.324	6.347	6.257	6.152	6.427	6.405	6.200	6.208	6.179	6.077	6.378	6.441	6.184	6.286	6.335	6.160	6.295	6.473	6.647	6.250	6.271	6.122	6.325
1434671	at	B230337E12Rik	BM120593	Mm.130344	1	9.622	9.613	9.899	9.505	9.492	9.720	9.931	9.964	8.993	9.619	10.078	9.666	9.512	9.503	10.022	9.893	9.788	9.697	10.026	10.035	9.653	9.885	9.676	10.245
1434672	at	Gpr22	BB429977	Mm.441517	12	8.210	7.668	8.524	8.294	7.403	8.297	8.679	7.364	6.141	7.052	5.512	6.959	6.942	7.168	6.504	8.519	8.749	8.675	8.463	8.597	7.248	7.428	7.288	7.239
1434673	at	Gpr22	BB429977	Mm.441517	12	7.815	7.174	8.047	7.723	6.985	7.852	8.600	6.865	6.027	6.365	5.711	6.630	6.360	6.564	6.127	8.106	8.211	8.109	8.037	7.715	7.014	7.170	6.902	6.818
1434674	at	Wdr33	BM042646	Mm.290487	13	7.432	8.046	7.255	7.739	8.635	8.547	7.365	8.354	8.565	8.729	8.546	8.065	8.729	8.512	8.146	7.770	7.378	7.452	7.657	7.595	7.302	7.368	7.368	
1434675	at	L700065O13Rik	BB442939	Mm.129453	17	6.434	6.401	6.857	6.756	6.685	7.369	6.828	6.514	6.537	6.723	6.430	6.620	6.706	7.011	6.890	6.905	6.874	6.841	7.063	7.235	6.344	6.868	7.017	6.644
1434676	at	Mtmr9	BM118290	Mm.441613	14	8.879	9.097	8.626	8.719	8.093	8.858	8.703	8.819	9.141	9.022	8.782	9.078	9.168	9.061	8.951	8.658	8.800	8.823	8.909	8.691	8.701	8.833	8.528	8.618
1434677	at	Hps5	BG067097	Mm.379442	7	4.347	4.391	4.400	4.247	4.469	4.285	4.221	4.384	4.746	4.741	4.467	4.531	4.682	4.475	4.431	4.085	4.224	4.270	4.148	4.293	4.157	4.309	4.289	4.263
1434678	at	Mbnl3	AV306759	Mm.295324	X	6.731	7.453	6.714	6.599	6.697	6.456	6.613	6.881	6.802	7.117	6.849	6.640	7.213	7.597	7.011	6.689	6.272	6.801	6.677	6.599	6.723	6.816	6.263	6.593
1434679	at	Ncan	BM945195	Mm.268079	18	7.339	6.384	6.602	6.409	6.535	6.594	6.664	6.608	6.519	6.671	6.672	6.532	6.639	6.762	6.574	6.687	6.507	6.630	6.717	6.869	6.616	6.652	6.689	6.591
1434680	at	Plekha3	BM280805	Mm.291154	12	8.821	9.134	9.039	9.250	9.214	9.137	9.025																	

1434729	at	AK129302	BM120178	Mm.336158	X	7	7.105	7.628	7.231	7.216	7.456	7.693	7.521	7.144	7.581	7.562	7.188	7.363	7.493	7.644	7.448	7.052	7.288	7.249	7.523	7.205	7.022	6.998	7.213	7.207
1434730	at	AI854517	BB346879	Mm.41661		7	5.393	5.152	5.099	5.124	5.055	5.014	5.107	5.299	5.095	5.072	4.864	5.139	5.160	5.006	5.054	4.977	4.978	5.023	5.177	5.194	5.220	5.194	5.126	5.246
1434731	x	at	Prdx1	AV124700	Mm.30929	4	13.807	13.710	13.937	13.767	13.622	13.667	13.857	13.420	13.558	13.611	13.554	13.669	13.544	13.867	13.784	13.876	13.480	13.590	13.660	13.693	13.621	13.585	13.877	13.953
1434732	x	at	Tomn7	AV044898	Mm.291868	5	9.504	9.494	9.572	9.376	9.490	9.444	9.478	9.591	9.444	9.444	9.254	10.056	9.647	9.187	9.522	9.279	10.017	9.821	9.323	9.229	10.197	10.127	9.511	9.427
1434733	at	Slk3	BS528554	Mm.310274	1	9.815	5.176	5.768	5.895	5.885	5.800	6.082	5.953	6.133	5.511	5.814	5.674	5.794	5.877	5.805	5.837	5.804	5.827	5.844	5.854	5.875	5.875	5.783	5.875	6.004
1434734	at	Slk3	AW547464	Mm.249457	4	4.762	4.917	4.845	4.821	4.858	4.892	4.890	5.065	5.067	4.988	4.717	4.571	5.081	4.749	4.959	4.886	4.722	4.768	4.839	4.865	4.895	4.787	4.787	4.888	
1434735	at	Hnr3b	BB744589	Mm.158903	11	9.238	8.671	9.053	9.451	9.314	10.029	9.368	9.074	8.569	8.589	8.609	9.584	9.062	9.819	9.459	9.157	10.059	9.629	9.372	9.750	10.154	10.333	9.611	9.948	
1434736	at	Hnr3b	BB744589	Mm.158903	11	7.744	7.110	7.820	8.310	8.053	8.991	8.264	7.734	6.540	7.124	7.235	8.116	7.720	7.353	8.018	7.985	8.702	8.276	8.165	8.428	8.741	8.742	8.535	8.299	
1434737	at	Hnr3b	AV000765	Mm.218048	19	8.650	8.856	8.395	8.107	8.666	8.479	8.517	8.897	8.748	8.761	8.743	8.678	8.580	8.731	8.313	8.381	8.617	8.749	8.703	8.606	8.764	9.021	8.891	8.594	
1434738	at	Hnr3b	BM176328	Mm.35127	7	9.613	9.324	9.786	9.767	9.341	9.710	9.631	9.309	9.086	9.326	8.982	9.361	9.028	9.204	9.416	9.735	9.824	9.695	9.702	9.919	9.677	9.901	9.789	9.981	
1434739	at	Hnr3b	AW542416	Mm.284945	X	6	8.089	8.225	7.572	7.685	7.457	7.537	7.855	7.621	7.993	7.625	7.722	7.734	8.246	8.073	7.354	7.700	7.811	7.953	7.550	7.799	7.736	7.555	8.051	7.809
1434740	at	Hnr3b	BB484759	Mm.194950	16	7.054	8.254	6.903	7.188	8.382	7.302	7.226	8.079	8.998	8.536	7.800	8.722	8.745	8.034	8.051	7.058	7.649	7.633	7.395	7.129	7.647	7.627	6.998	7.131	
1434741	at	Hnr3b	BB303652	Mm.132634	13	7.910	8.017	8.125	8.160	8.026	8.133	8.230	8.021	7.963	8.026	7.728	8.183	8.034	7.955	8.155	8.259	8.487	8.169	8.027	8.135	8.059	8.110	8.131	7.645	
1434742	s	at	Aifm3	BB372063	Mm.40038	16	7.911	7.196	7.622	7.580	7.525	7.566	7.620	7.536	7.316	7.381	7.463	7.556	7.354	7.432	7.548	7.567	7.613	7.521	7.871	7.913	7.673	7.707	7.747	7.903
1434743	x	at	Rusc1	BB222846	Mm.27687	3	8.337	8.793	8.558	8.435	8.409	8.304	8.215	8.199	8.694	8.641	8.181	8.693	8.658	8.409	8.412	8.403	8.559	8.627	8.419	8.471	8.279	8.308	8.403	8.372
1434744	at	Yrdc	BB230053	Mm.258568	4	8.847	9.213	8.754	8.633	8.692	8.788	8.804	8.963	8.578	8.710	9.111	8.651	8.561	8.930	8.587	8.817	8.878	8.763	8.674	8.702	8.868	8.821	8.821	8.703	8.864
1434745	at	Ccnd2	BM175880	Mm.333406	6	11.067	11.297	11.364	11.494	11.877	11.550	11.531	11.680	11.221	11.304	11.557	11.970	11.751	11.234	11.485	11.315	11.609	11.443	10.904	11.390	11.520	11.753	11.526	11.224	
1434746	at	Mmd	BG797579	Mm.87532	2	7.543	7.529	7.837	7.469	7.516	7.746	7.538	7.286	7.289	7.747	7.197	7.651	7.380	7.376	7.491	7.516	7.417	7.478	7.227	7.343	7.388	7.820	7.631	7.820	
1434747	at	Ctcr	BI963522	Mm.440471	4	6.335	6.312	6.312	6.412	6.412	6.318	6.313	6.354	6.336	6.289	6.305	6.473	6.136	6.231	6.332	6.251	6.332	6.485	6.203	6.331	6.364	6.336	6.347	6.465	6.313
1434748	at	Ctcr	BM208103	Mm.22448	8	6.845	7.879	6.682	6.883	7.184	6.943	6.926	7.806	7.594	7.836	7.925	6.922	7.185	7.935	7.365	6.808	6.875	6.561	6.849	6.911	6.869	7.191	6.926	6.393	
1434749	at	Btce	BB811762	Mm.250875	10	6.974	6.857	7.012	7.010	6.877	7.196	7.095	6.551	6.688	6.900	6.831	6.793	6.612	6.884	6.985	7.005	7.101	6.983	7.035	7.039	7.029	7.215	7.019	7.118	
1434750	at	Exoc3	BE200383	Mm.261859	13	9.872	10.044	9.892	9.732	9.696	9.758	9.833	9.762	9.824	10.044	9.702	9.851	9.744	9.906	9.807	9.894	9.880	9.902	9.873	9.867	9.751	9.753	9.830	9.926	
1434751	at	Id5	BB493523	Mm.233083	X	5	5.771	6.384	5.980	5.720	5.702	5.968	6.032	5.785	5.956	6.350	5.785	5.986	5.924	5.911	6.108	5.851	5.869	5.843	5.865	5.824	5.735	6.066	5.971	6.148
1434752	at	LOC100043601	AV338324	Mm.473836	11	5.712	5.678	5.652	5.515	5.494	5.471	5.577	5.617	5.697	6.087	5.788	5.813	5.777	5.672	5.785	5.529	5.717	5.591	5.675	5.274	5.607	6.071	5.716	5.682	
1434753	at	Nfrkb	BM120578	Mm.238146	9	8.877	8.939	9.005	9.199	9.198	9.128	9.157	9.126	9.209	9.015	9.106	9.231	9.122	9.249	9.143	9.166	9.117	9.197	9.139	9.317	9.219	9.158	9.218	9.123	9.878
1434754	at	Garnl4	AU067654	Mm.425690	11	11.264	10.958	11.368	11.759	11.184	11.298	11.238	10.619	10.498	10.644	10.456	10.669	10.385	10.552	10.543	11.522	11.342	11.376	11.327	11.322	11.097	11.282	11.239	11.429	
1434755	at	Ctcb1	BB528554	Mm.310274	9	8.915	5.176	5.768	5.895	5.885	5.800	6.082	5.953	6.133	5.511	5.814	5.674	5.794	5.877	5.805	5.837	5.804	5.827	5.844	5.854	5.875	5.783	5.875	6.004	
1434756	at	Slk3	AV292381	Mm.475955	7	10.006	9.736	9.858	9.904	10.122	9.955	9.755	9.887	9.857	9.770	9.966	9.611	9.877	9.927	9.828	9.797	9.744	9.865	9.744	9.865	10.160	10.045	10.160	10.429	
1434757	at	Ctcb2	BG070774	Mm.29914	2	9.336	9.359	9.229	9.414	9.525	9.312	9.216	9.343	9.356	9.309	9.422	9.492	9.412	9.256	9.348	9.306	9.461	9.333	9.225	9.202	9.388	9.566	9.126	9.269	
1434758	at	Btce	BB745401	Mm.264680	8	10.251	9.765	10.107	10.666	10.643	10.663	10.326	10.525	10.147	10.271	9.937	11.002	10.880	10.213	10.473	10.197	10.334	10.209	9.941	9.907	10.514	10.715	10.113	10.266	
1434759	at	Lrrtm3	BM224801	Mm.431318	10	7.313	3.806	3.794	3.789	3.757	3.793	3.827	3.886	3.682	3.684	3.732	3.680	3.787	3.719	3.720	3.829	3.947	3.879	3.781	3.785	3.697	3.782	3.798	3.873	
1434760	at	Lrrtm3	BM224801	Mm.431318	10	5.313	4.990	5.154	5.294	5.018	5.049	4.959	5.056	5.195	4.967	5.295	5.083	5.269	5.333	5.216	5.160	4.999	5.524	5.106	5.468	5.122	5.252	5.189	5.341	
1434761	at	Lrrtm3	BM224801	Mm.431318	10	5.766	5.485	5.662	5.700	5.569	5.696	5.568	5.652	5.655	5.595	5.742	5.557	5.499	5.648	5.761	5.726	5.634	5.703	5.631	5.489	5.598	5.778	5.602	5.581	
1434762	at	Orn2	BF457736	Mm.308396	5	7.274	7.169	7.140	7.053	7.269	7.111	7.048	7.066	7.268	7.135	7.189	7.200	7.287	7.144	7.262	7.075	7.202	7.127	7.164	7.350	7.140	6.988	7.126	7.185	
1434763	at	Orn2	BF457736	Mm.308396	5	6.845	6.647	6.662	6.683	6.990	6.678	6.736	6.813	6.591	6.773	6.954	6.572	6.712	6.935	6.585	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685
1434764	at	Akap11	AW555068	Mm.89413	14	10.587	10.945	10.841	10.862	11.184	11.093	10.896	10.586	10.830	10.935	10.910	11.110	11.060	10.888	10.946	10.914	10.919	10.994	11.015	10.988	10.795	10.706	10.500	10.869	
1434765	at	Ep300	AI844868	Mm.258397	15	9.412	9.170	9.408	9.499	9.429	9.450	9.508	9.377	9.003	9.377	9.072	9.410	9.298	9.213	9.472	9.338	9.382	9.400	9.229	9.359	9.616	9.831	9.680	9.774	
1434766	at	NA	BM175911	NA	NA	10.947	10.757	11.145	11.229	10.997	11.226	11.338	10.815	10.476	10.823	10.662	10.773	10.621	10.886	10.844	11.233	11.057	11.172	11.157	11.275	11.135	11.279	11.346	11.462	
1434767	at	C79407	BE951628	Mm.21144	12	6.637	8.047	6.613	6.746	6.999	6.626	6.979	7.651	7.568	7.754	7.662	6.704	7.116	7.991	7.397	6.802	6.749	6.615	6.697	6.797	6.720	6.733	6.646	6.866	
1434768	at	Tpp1	AI266910	Mm.20837	7	8.814	8.760	9.046	9.870	8.904	9.094	8.920	8.704	8.825	9.029	8.274	8.706	8.837	8.747	8.936	8.890	8.847	8.744	8.986	8.909	8.768	9.142	8.918	9.039	
1434769	at	Btce																												

1434818	at	9330159K06	BB079787	Mm.191660	10	4.702	4.799	4.756	4.844	4.769	4.718	4.750	4.863	4.706	4.583	4.712	4.685	4.710	4.871	4.750	4.895	4.903	4.892	4.623	4.988	4.841	4.813	4.748	4.753	
1434819	at	St6qaal2	BB709312	Mm.311687	17	4.097	4.098	4.566	4.221	4.027	4.264	4.397	4.049	4.080	4.208	4.162	4.060	4.181	4.210	4.219	4.310	4.137	4.217	4.277	4.305	4.161	4.064	4.121	4.301	
1434820	s at	Pkii	AV209892	Mm.10091	2	10.989	10.679	10.894	10.768	11.376	10.758	10.817	10.514	11.049	10.717	10.441	10.973	10.997	10.427	10.760	10.898	11.551	11.140	10.857	11.041	11.066	11.118	11.014	10.973	
1434821	at	Brd1	AU021226	Mm.254438	15	8.748	8.409	8.597	8.730	8.570	8.704	8.552	8.049	8.355	8.525	8.548	8.597	8.535	8.347	8.694	8.715	8.455	8.487	8.477	8.574	8.601	8.628	8.834	8.890	
1434822	at	Brd1	BB770995	Mm.74208	15	9.353	9.625	9.433	9.470	9.466	9.675	9.680	9.052	9.254	9.382	9.285	9.463	9.388	9.759	9.435	8.478	9.346	9.520	9.585	9.429	9.126	9.313	9.491	9.471	
1434823	at	Myeev2	AV012102	Mm.30179	1	11.724	11.854	11.468	11.561	12.012	11.451	11.486	11.486	12.306	12.127	11.836	11.719	12.382	12.208	11.578	11.718	11.406	12.373	12.205	11.690	11.625	12.232	12.372	11.501	11.144
1434824	at	Bm118747	Mm.40331	5	10.938	11.207	11.042	11.108	11.154	11.073	10.996	10.921	11.160	11.213	10.945	11.138	11.088	11.169	10.984	11.148	11.011	10.945	10.945	10.733	10.892	10.999	10.976	10.971	11.115	
1434825	at	Tnrc18	BB075287	Mm.354649	5	8.485	8.814	8.576	8.686	8.858	8.689	8.575	8.299	8.976	9.138	8.599	8.543	8.876	8.820	8.621	8.656	8.636	8.742	8.523	8.595	8.376	8.204	8.519	8.393	
1434826	at	Rfcd	AW124912	Mm.266515	13	7.533	7.192	7.148	7.483	7.719	7.510	7.573	7.850	7.621	7.493	6.927	7.949	7.877	7.293	7.313	7.123	8.212	7.796	7.596	7.577	7.970	7.809	7.752	7.286	
1434827	at	Thoc6	AW554543	Mm.328831	17	8.353	8.526	8.313	8.332	8.251	8.210	8.486	8.397	8.420	8.316	8.722	8.353	8.235	8.511	8.363	8.217	8.382	8.325	8.416	8.413	8.429	8.439	8.309	8.447	
1434828	at	B430201A12Rik	BM200103	Mm.69013	3	9.706	10.107	9.637	9.685	9.943	10.204	9.802	10.162	10.165	10.204	9.811	10.263	10.361	10.105	10.322	9.579	9.514	9.687	9.780	9.681	9.824	10.260	9.979	9.947	
1434829	at	Chl	BB487560	Mm.266871	9	9.120	9.597	9.102	9.164	9.720	9.263	9.236	9.389	9.554	9.577	9.499	9.392	9.520	9.418	9.348	9.167	9.243	9.254	8.935	8.892	9.200	9.450	9.119	9.069	
1434830	at	Mxd1	AV229517	Mm.279580	6	8.261	8.169	8.372	8.389	8.613	8.548	8.401	8.216	8.412	8.434	8.278	8.529	8.371	9.308	8.521	8.503	8.321	8.383	8.376	8.599	8.600	8.511	8.890	8.958	
1434831	at	Foxo3a	BB364488	Mm.338613	10	10.831	10.117	11.078	10.973	10.794	11.032	10.632	10.229	9.966	10.666	9.675	11.043	10.804	10.399	11.478	10.956	10.527	10.788	10.805	11.195	11.232	11.200	11.804	11.792	
1434832	at	Foxo3a	BB364488	Mm.338613	10	10.148	9.521	10.425	10.278	10.052	10.430	10.179	9.134	9.382	10.006	9.040	10.071	9.993	9.780	10.715	10.512	9.603	9.922	10.238	10.547	10.239	10.235	11.175	11.092	
1434833	at	Map4k2	BB667222	Mm.25860	19	8.147	7.621	8.315	8.122	7.945	8.270	8.095	7.501	7.352	7.806	7.967	8.067	7.933	7.879	8.288	8.323	7.720	8.171	8.090	8.406	8.012	8.030	8.585	8.968	
1434834	at	Socs7	BG067098	Mm.34339	11	9.882	9.692	9.964	9.847	9.974	9.743	9.897	9.969	9.396	9.761	10.181	9.805	9.717	9.528	9.885	10.015	9.790	9.772	9.616	9.694	9.917	9.962	9.893	10.265	
1434835	at	Wap1	BM230523	Mm.27957	14	9.259	9.461	9.342	9.132	9.135	9.150	9.250	9.442	9.354	9.501	9.516	9.230	9.238	9.426	9.250	9.255	9.367	8.897	8.844	8.884	9.365	9.749	9.540	9.447	
1434836	at	Nfnc2ip	AV277440	Mm.1389	7	7.771	7.982	7.725	7.830	7.962	7.883	7.916	7.785	7.948	7.780	7.804	7.825	7.888	8.045	7.744	7.616	7.848	7.995	7.973	7.858	7.894	7.990	7.836	7.714	
1434837	at	Mdc1	BM203061	Mm.218511	17	7.598	7.610	7.395	7.643	7.585	7.426	7.584	7.599	7.516	7.371	7.480	7.335	7.255	7.721	7.259	7.456	7.857	7.568	7.436	7.378	7.568	7.866	7.379	7.310	
1434838	at	Knc2	BB478302	Mm.279568	18	10.519	10.702	10.455	10.559	10.488	10.279	10.474	10.390	10.057	10.226	10.307	10.560	10.416	10.089	10.374	10.482	10.678	10.665	10.451	10.432	10.622	10.517	10.882	10.464	
1434839	s at	Tbl1x1r	BG071620	Mm.202966	3	10.762	10.813	10.875	10.760	10.770	10.977	10.863	10.587	10.764	10.850	10.516	10.608	10.721	10.945	10.816	10.937	10.395	10.589	10.855	10.834	10.665	10.666	11.125	10.864	
1434840	at	Hrb	BB071430	Mm.392569	1	8.644	8.559	8.596	8.735	8.920	8.739	8.749	8.656	8.634	8.908	8.812	8.882	8.924	8.813	8.877	8.600	8.767	8.787	8.886	8.783	8.658	8.910	8.749	8.873	
1434841	at	A430093A21Rik	AI117751	Mm.74718	1	9.295	9.126	9.163	9.396	9.442	9.321	9.347	9.202	9.293	9.281	9.211	9.428	9.369	9.179	9.433	9.313	9.335	9.243	9.167	9.303	9.375	9.477	9.492	9.472	
1434842	s at	AV291465	Mm.271160	X	9.787	9.934	9.795	9.924	9.947	10.211	9.885	9.532	9.470	9.649	9.216	9.706	9.757	9.823	9.787	9.783	10.083	9.990	10.038	10.046	9.904	10.149	9.627	9.633		
1434843	at	A430041B07Rik	BG070968	Mm.138465	12	9.207	9.358	9.354	9.149	9.416	9.468	9.447	9.197	9.391	9.608	9.738	9.578	9.491	9.385	9.649	9.499	9.034	9.006	9.269	9.311	10.093	9.170	9.335	9.271	
1434844	at	Hes5dc	BB527513	Mm.275130	11	8.174	8.502	8.255	8.276	8.662	8.882	8.479	8.378	8.476	8.968	8.338	8.070	8.333	7.889	8.070	8.333	7.889	8.070	8.333	7.889	8.070	8.333	7.889	8.070	
1434845	at	AV376182	NA	NA	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251	9.251		
1434846	at	Denn4dc	AW557010	Mm.273718	4	9.422	9.308	9.603	9.485	9.370	9.515	9.483	8.989	8.887	9.104	8.755	9.105	8.957	9.022	9.327	9.620	1.185	9.363	9.411	9.403	9.372	9.461	9.552	9.690	
1434847	at	Cnnm4	BB432741	Mm.422638	1	6.715	6.642	6.667	6.775	6.753	6.736	6.759	6.753	6.746	6.654	7.016	6.692	6.693	6.771	6.749	6.686	6.740	6.566	6.546	6.683	6.726	6.795	6.674	6.842	
1434848	at	NA	BB259283	NA	NA	8.266	7.717	8.684	8.393	8.045	8.583	7.934	7.424	6.928	7.848	7.663	7.911	7.621	7.212	8.148	8.726	8.473	8.556	8.430	8.505	8.439	8.549	8.565	8.507	
1434849	at	Tspv12	AV222381	Mm.9997	X	9.559	9.338	9.383	9.339	9.306	9.305	9.268	9.046	9.203	9.235	9.016	9.961	9.174	9.260	9.206	9.404	9.453	9.413	9.376	9.411	9.366	8.869	9.529	9.249	
1434850	at	Crb3	B1083036	Mm.331133	3	6.687	8.653	6.579	6.990	7.646	6.900	7.217	8.443	8.505	8.717	8.687	7.478	7.447	8.529	7.694	6.314	6.831	6.403	6.794	6.733	6.930	7.058	6.894	6.697	
1434851	s at	Iqaa3	AU015319	Mm.391027	17	7.941	7.177	7.761	7.610	7.482	7.542	7.623	7.399	7.509	7.385	7.710	7.236	7.357	7.306	7.413	7.510	7.673	7.744	7.677	7.759	7.753	7.436	7.727	7.678	
1434852	at	Plozf2f	BB229827	Mm.289519	11	7.950	7.435	7.813	7.657	7.672	7.749	7.739	7.590	7.705	7.599	7.524	7.555	7.391	7.359	7.356	7.987	7.804	7.688	7.498	7.375	7.572	7.674	7.572		
1434853	x at	Mkrr1	AA717142	Mm.270484	6	9.385	9.658	9.776	9.795	9.789	9.826	9.514	9.085	9.798	9.912	9.137	9.850	9.804	9.968	9.929	9.733	9.632	9.828	10.060	9.783	9.359	9.490	9.669	9.753	
1434854	at	Rnm000887	BM383217	Mm.383217	17	11.353	12.086	10.927	11.243	11.413	11.280	11.201	12.340	12.356	11.648	11.484	11.842	11.757	11.644	11.177	10.829	12.418	11.867	11.189	11.182	12.170	12.407	11.042	10.649	
1434855	at	Amhdhd2	AV298377	Mm.87319	17	8.206	9.074	8.125	8.249	8.258	8.244	8.315	8.661	9.122	8.850	8.318	8.865	8.689	8.849	8.429	8.220	8.321	8.409	8.365	7.832	8.220	8.385	7.864	8.062	
1434856	at	Ankrd44	AV256780	Mm.397910	1	8.211	8.783	8.178	8.553	8.698	8.731	8.620	8.277	9.002	8.909	8.013	8.500	8.692	8.978	8.719	8.501	8.478	8.512	8.745	8.399	8.437	8.750	8.564	8.692	
1434857	at	A230106D06Rik	BB183320	Mm.458276	6	1.666	6.049	6.107	6.162	6.391	6.138	6.044	6.234	6.445	6.232	6.153	6.230	6.449	6.274	6.118	6.041	6.303	6.219	6.335	6.122	6.195	6.227	6.167	5.947	
1434858	x at	Zfp511	BB071897	Mm.200816																										

1434907	at	Tbpl1	BB667265	Mm.86670	10	6.367	6.421	6.571	6.840	6.578	6.937	6.772	6.488	6.664	6.861	6.547	6.688	6.649	6.791	6.807		6.651	6.129	6.633	6.822	6.715	6.221	6.284	6.779	6.902
1434908	at	Scaf1	BB212188	Mm.28298	7	8.256	8.416	7.794	8.122	8.478	7.983	7.932	8.576	8.245	8.266	8.268	8.774	8.263	8.067	8.117	7.991	8.674	8.371	7.936	8.009	8.379	8.107	8.167	8.044	
1434909	at	Rradp	BF462770	Mm.300814	4	11.567	11.099	11.691	11.598	11.585	11.732	11.544	10.991	11.019	11.112	10.962	11.300	11.324	11.001	11.115	11.700	11.866	11.896	11.981	12.112	11.905	11.876	12.187	12.132	
1434910	at	A83008D01R1K	BE136476	Mm.296254	X	8.137	8.423	8.161	8.000	8.388	8.199	8.130	7.929	8.507	8.584	8.294	8.355	8.517	8.447	8.253	7.933	7.982	7.943	7.958	7.865	8.091	8.073	8.143	8.015	
1434911	s	at	Arhgap19	BG072763	19	6.803	7.317	6.717	6.910	7.007	6.943	6.809	7.182	7.173	7.154	7.117	7.173	7.214	7.621	7.101	6.920	7.138	7.151	7.038	7.151	7.038	6.986	6.365	6.832	
1434912	at	Ric3	BB545974	Mm.71007	7	4.406	4.329	4.517	4.538	4.399	4.291	4.464	4.330	4.466	4.268	4.554	4.420	4.282	4.320	4.466	4.407	4.255	4.242	4.419	4.507	4.258	4.449	4.402	4.513	
1434913	at	Hmqd11	BF471959	Mm.82306	6	7.560	6.878	7.465	7.309	7.194	7.376	7.531	7.280	7.199	7.175	7.310	7.027	7.232	7.435	7.311	7.402	7.126	7.518	7.392	7.520	7.319	7.170	7.525	7.404	
1434914	at	Rab6b	BP366668	Mm.335395	9	4.780	4.513	4.781	5.049	4.694	4.827	5.999	4.765	4.863	4.809	4.811	7.643	4.866	5.556	4.740	4.878	4.824	4.943	4.875	4.709	4.947	4.914	4.759	4.713	
1434915	s	Lrrc19	AI267139	Mm.26760	4	3.776	3.604	3.920	3.787	3.739	3.821	3.807	3.776	3.735	3.635	3.896	3.769	3.650	3.614	3.993	3.723	3.716	4.046	3.680	3.830	3.830	3.694	3.854	3.894	
1434916	at	Vkor11	AV377318	Mm.288718	5	8.056	7.979	7.953	8.107	8.157	8.067	8.138	8.203	8.085	7.973	8.090	8.154	8.069	8.298	8.137	8.079	8.045	8.098	8.302	8.092	8.114	8.155	8.154	7.916	
1434917	at	Cblc	B0173923	Mm.22847	11	6.723	6.516	6.796	6.925	6.670	6.767	6.865	6.966	7.128	6.682	6.836	6.564	6.069	6.753	6.928	6.810	6.881	6.866	6.897	6.870	6.847	6.807	6.944	6.804	
1434918	at	Sox6	AV281802	Mm.323365	7	8.540	8.109	8.586	8.683	8.470	8.462	8.481	8.252	8.194	8.248	8.238	8.262	8.355	8.260	8.370	8.654	8.533	8.654	8.866	8.581	8.370	8.535	8.797	8.695	
1434919	at	NA	B0176868	NA	NA	7.540	7.510	7.480	7.471	7.607	7.629	7.592	7.255	7.437	7.734	7.513	7.516	7.654	7.824	7.718	7.462	7.342	7.468	7.995	7.906	7.055	6.935	7.440	7.367	
1434920	a	Ev1	AW553781	Mm.207605	12	7.929	8.790	7.783	8.116	8.677	8.055	7.987	8.270	8.571	8.534	8.362	8.565	8.377	8.207	8.477	7.783	8.133	8.170	8.005	8.033	8.138	8.173	8.010	7.742	
1434921	at	Nr2e1	BG072053	Mm.287100	10	4.164	4.431	4.353	4.369	4.337	4.216	4.297	4.326	4.299	4.290	4.306	4.278	4.228	4.415	4.289	4.209	4.347	4.291	4.512	4.302	4.412	4.269	4.311	4.161	
1434922	at	Phf12	BB483595	Mm.274329	11	7.250	7.729	7.372	7.502	7.665	7.444	7.390	7.566	7.391	7.642	7.438	7.638	7.460	7.404	7.725	7.512	7.789	7.647	7.460	7.498	7.661	7.725	7.417	7.488	
1434923	at	Cox19	AV354536	Mm.261064	5	11.668	12.458	11.469	11.281	12.001	11.653	11.981	11.830	12.481	12.277	12.124	12.074	12.024	12.378	11.706	11.506	11.491	11.967	11.747	11.693	11.555	11.731	11.409	11.377	
1434924	at	Phf2	BF468039	Mm.212554	13	9.837	9.738	10.086	10.103	10.090	10.027	9.909	9.555	9.684	9.945	9.969	9.806	9.928	9.821	9.927	9.992	9.895	10.026	9.969	9.936	9.971	9.878	10.257	10.178	
1434925	at	AB43342D015R1K	BB264078	Mm.72187	3	4.248	3.982	4.141	3.991	3.946	4.131	4.178	3.967	4.013	4.024	4.061	4.227	3.853	3.921	4.269	4.186	4.028	4.261	4.200	4.186	4.021	4.096	4.166	4.161	
1434926	at	Nahep1	BM200105	Mm.287267	3	9.272	9.222	9.224	9.098	9.161	9.113	9.135	8.887	9.070	9.064	8.969	9.270	9.106	9.055	9.066	9.298	9.136	9.238	9.205	9.262	9.002	8.969	9.123	9.072	
1434927	at	Hsbp7	BM124741	Mm.46181	4	13.264	13.727	13.657	13.200	12.811	13.192	13.837	13.634	13.057	13.238	13.055	13.780	13.420	13.977	12.942	13.738	12.447	12.867	12.802	12.731	12.815	12.576	12.825	12.866	
1434928	at	Gca211	BB769886	Mm.44591	11	8.752	9.431	8.540	8.608	9.181	8.521	8.337	9.286	9.498	9.195	9.103	9.299	9.293	9.010	8.968	8.403	8.733	8.715	8.391	8.160	8.917	9.154	8.748	8.437	
1434929	at	BC035044	B1076809	Mm.30745	6	5.358	5.225	5.446	5.698	5.585	5.547	5.949	5.609	5.295	5.415	5.677	5.229	5.512	5.534	5.476	5.588	5.539	5.345	5.621	5.783	5.638	5.529	5.493	5.729	
1434930	at	Tpcn1	B1904914	Mm.114054	5	9.312	9.557	9.105	9.523	9.727	9.283	9.220	9.734	9.650	9.512	9.371	9.482	9.655	9.237	9.251	8.990	9.771	9.720	9.392	9.380	9.615	9.327	9.113	9.137	
1434931	at	Nec1	BB667778	Mm.42249	9	9.828	9.124	9.985	10.101	9.941	10.156	9.779	8.830	9.174	9.444	8.946	9.677	9.647	9.185	9.856	10.026	10.102	10.192	10.473	10.398	9.959	9.772	10.345	10.408	
1434932	at	Aadar1	B1734168	Mm.276861	10	8.516	8.188	8.430	8.265	8.333	8.336	8.317	8.397	8.632	8.519	8.390	8.683	8.805	8.293	8.624	8.390	8.357	8.437	8.420	8.432	8.333	8.338	8.410	8.475	
1434933	at	Arh1	BC671998	Mm.299667	1	8.727	8.925	8.627	8.691	8.639	8.713	8.537	8.544	8.565	8.695	8.897	8.925	8.474	8.732	8.918	8.810	8.816	8.706	8.817	8.828	8.728	8.842	8.738	8.807	
1434934	at	Ataf1	BE771055	Mm.109600	10	10.616	10.556	10.987	10.857	10.534	10.700	10.798	10.673	10.256	10.490	10.497	10.383	10.275	10.355	10.665	10.852	10.850	10.864	10.783	10.959	10.855	10.913	10.730	10.827	
1434935	at	Aak1	BG067888	Mm.221038	6	11.598	11.806	11.546	11.726	11.980	11.719	11.555	11.657	11.870	11.613	11.427	11.846	11.776	11.613	11.441	11.612	11.859	11.859	11.597	11.402	11.804	11.905	11.566	11.420	
1434936	at	Hrip3	BB295220	Mm.363427	7	8.154	8.706	7.882	8.247	8.496	8.312	8.239	8.439	8.172	8.274	8.358	8.123	8.325	8.520	8.089	8.046	8.415	8.315	8.233	8.210	8.294	8.304	8.010	8.031	
1434937	at	Mycbp2	AW546647	Mm.6478	14	10.574	10.633	10.492	10.516	10.717	10.747	10.736	10.661	10.551	10.690	10.607	10.705	10.715	10.632	10.701	10.541	10.549	10.596	10.580	10.504	10.493	10.781	10.675	10.537	
1434938	at	Rbm9	BG063048	Mm.202774	15	8.334	8.374	8.328	8.143	8.370	8.243	8.200	8.331	8.600	8.493	8.483	8.228	8.203	8.457	8.126	8.284	7.902	8.152	8.231	8.325	7.856	8.003	8.248	8.197	
1434939	at	Fox1a	BB437522	Mm.33897	2	6.308	6.983	7.222	7.242	7.179	7.291	7.195	7.194	7.086	7.016	7.469	6.811	7.235	7.105	7.156	7.336	7.043	7.169	7.094	7.260	7.411	6.948	7.354	7.297	
1434940	x	Rrs19	BB233670	Mm.274366	2	7.385	7.351	6.004	6.173	6.549	5.988	6.437	6.800	7.587	7.154	6.509	6.892	6.945	7.287	6.484	5.919	6.268	6.166	5.919	5.513	6.274	6.642	5.934	5.548	
1434941	s	at	Ms142601	Mm.331227	2	8.678	8.725	8.627	8.691	8.639	8.713	8.537	8.544	8.565	8.695	8.897	8.925	8.474	8.732	8.918	8.810	8.816	8.706	8.817	8.828	8.728	8.842	8.738	8.807	
1434942	at	Esr1	BM248080	Mm.21228	2	9.125	9.321	9.383	9.105	8.896	9.230	9.299	9.281	8.893	9.213	9.383	9.104	8.887	9.268	9.167	9.171	9.077	9.090	9.211	9.102	8.908	9.229	9.160	9.181	
1434943	at	Morn4	BF464669	Mm.259441	19	8.183	8.304	8.385	8.306	8.172	8.247	8.386	8.360	8.303	8.363	8.619	8.291	8.307	8.432	8.271	8.205	8.349	8.139	8.272	8.287	8.165	7.925	8.109	8.109	
1434944	at	Dmpk	AW108486	Mm.6529	7	12.242	12.343	12.119	12.404	12.590	12.024	11.879	12.579	12.209	12.311	12.374	12.744	12.370	11.400	12.126	12.071	12.783	12.451	12.051	12.035	12.726	12.636	12.170	12.125	
1434945	at	Lcat2	AW743924	Mm.21463	8	8.127	8.249	7.923	8.008	8.318	8.104	8.139	7.991	8.537	8.344	8.189	8.303	8.428	8.310	8.094	8.033	7.773	7.949	8.069	7.767	8.001	7.822	7.855	7.930	
1434946	at	Klfic27	BB303415	Mm.271656	12	7.143	6.929	6.900	6.968	6.895	6.918	6.929	6.727	6.534	6.704	7.014	6.780	6.836	6.959	6.905	6.922	6.880	6.973	6.830	7.022	6.831	6.750	6.884	7.062	
1434947	at	Klf3c	BM898710	Mm.7688	12	6.683	6.550	6.758	6.814																					

1434996	at	Slc25a16	AV316233	Mm.37457	10	8.007	8.086	8.283	7.998	8.091	8.168	8.215	8.005	7.744	8.163	7.343	8.344	8.344	8.065	7.977	8.174	8.325	8.239	8.100	8.194	7.964	8.455	8.616	8.282	8.109
1434997	at	Cdc21	BB510904	Mm.200924	10	8.276	8.262	8.461	8.476	8.426	8.663	8.537	8.488	8.642	8.651	8.388	8.487	8.648	8.855	8.585	8.561	8.130	8.237	8.549	8.555	8.099	8.272	8.531	8.496	
1434998	at	Iqaap1	AV222277	Mm.207619	7	11.113	11.933	11.021	11.130	11.465	11.220	11.064	11.526	12.202	11.750	11.862	11.698	11.785	11.990	11.611	10.983	10.874	10.799	10.837	10.608	10.829	11.178	10.880	10.766	
1434999	at	Suv420h1	BG793501	Mm.278578	19	8.745	8.375	8.805	8.793	8.737	8.980	8.679	8.316	8.519	8.151	8.344	8.684	8.581	8.486	8.882	8.871	8.860	8.810	8.995	8.915	8.424	8.913	8.992	9.025	
1435000	at	Abp1	AW537668	Mm.325927	16	8.791	8.938	8.980	8.798	8.857	8.896	8.852	8.722	8.522	8.656	8.830	8.615	8.740	8.899	8.672	8.905	8.732	8.930	8.998	8.993	8.787	8.962	8.752	8.878	
1435001	at	Pia8	BM198417	Mm.1311	4	6.884	7.058	6.060	6.626	6.888	6.896	7.030	6.971	6.895	7.131	6.905	6.999	6.969	7.205	7.131	6.979	6.815	6.822	6.932	6.770	6.545	7.072	6.866	7.055	
1435002	at	zfp507	BM249415	Mm.286296	7	8.269	8.702	8.610	8.745	8.594	8.666	8.758	8.510	8.958	8.915	8.764	8.861	8.798	8.794	8.651	8.693	8.817	8.817	8.740	8.623	8.414	8.859	8.765	8.646	
1435003	at	Pi4ka	BM207220	Mm.5718	16	10.698	11.021	10.509	10.870	11.150	10.743	10.686	10.723	10.967	10.782	10.716	11.221	11.159	10.818	10.770	10.578	11.064	11.014	10.772	10.765	10.747	10.838	10.709	10.736	
1435004	at	Pank4	BM119773	Mm.30042	4	10.423	10.053	10.204	10.473	10.475	10.743	10.418	10.090	9.814	10.105	10.213	10.009	10.002	9.666	10.149	10.159	10.785	10.851	10.617	10.693	10.482	10.693	10.585	10.769	
1435005	at	Cenpe	BG916502	Mm.161470	3	6.588	7.802	6.274	6.446	6.620	6.268	6.601	7.466	7.469	7.342	7.295	6.533	6.762	7.552	6.887	6.663	5.966	6.313	6.312	6.349	6.114	6.189	6.149	6.248	
1435006	s at	Abcb7	BM119407	Mm.426128	X	11.188	11.005	11.126	11.073	11.243	11.153	11.202	10.891	10.801	11.097	10.280	10.931	10.834	10.905	11.009	11.272	11.030	11.096	11.163	11.229	11.089	11.087	11.106	11.248	
1435007	s at	A132487	BF531708	Mm.202653	12	7.759	7.798	7.763	8.015	7.936	7.698	7.913	7.810	7.630	7.830	7.770	8.101	7.865	7.688	7.677	7.763	7.978	8.139	7.862	7.839	7.956	8.199	7.964	7.887	
1435008	at	Slc9a6	BB611738	Mm.17815	X	10.781	10.398	10.767	10.508	10.318	10.660	10.763	10.313	10.144	10.412	10.409	10.159	10.183	10.410	10.359	10.848	10.593	10.456	10.715	10.526	10.44	10.625	10.709	10.805	
1435009	at	Slc9a6	BM117138	Mm.17815	X	8.113	8.446	7.899	8.108	8.210	8.173	8.072	8.350	8.525	8.413	8.175	8.464	8.329	8.566	8.130	8.228	8.069	8.119	8.429	8.041	8.053	8.223	7.960	8.123	
1435010	at	Asb7	BF730177	Mm.34785	7	8.301	8.468	8.522	8.433	8.517	8.559	8.627	8.240	8.404	8.433	7.999	8.661	8.444	8.550	8.578	8.546	8.465	8.682	8.657	8.620	8.365	8.350	8.259	8.457	
1435011	x at	Akr1a4	A1627032	Mm.30085	4	12.174	12.656	12.219	12.208	12.560	12.195	12.082	12.499	12.868	12.736	12.359	12.714	12.690	12.573	12.359	12.215	12.426	12.179	12.122	12.037	12.312	12.356	11.899	11.935	
1435012	x at	Ela3	BI439550	Mm.297477	4	4.866	4.426	4.704	4.662	4.464	4.745	4.696	4.448	4.472	4.383	4.430	4.336	4.041	4.356	4.461	4.484	4.677	4.351	4.326	4.578	4.807	4.541	4.561	4.711	
1435013	at	Heatr2	BM231491	Mm.5547	5	8.539	8.568	8.611	8.498	8.633	8.412	8.419	8.246	8.606	8.697	8.576	8.553	8.587	8.573	8.540	8.698	8.591	8.687	8.712	8.584	8.671	8.740	8.661	8.608	
1435014	at	Rarb3b	AV162168	Mm.45148	X	4.038	4.043	4.009	4.307	4.364	4.220	4.230	4.387	4.383	4.422	4.315	4.271	4.308	4.282	4.179	4.338	4.011	4.075	4.150	4.320	4.302	4.176	4.207	4.093	
1435015	at	Zfp787	AV174739	Mm.3254	7	8.317	8.339	8.476	8.404	8.256	8.271	8.266	7.917	7.940	8.209	8.194	8.261	8.055	8.130	8.116	8.539	8.161	8.531	8.467	8.601	8.074	7.981	8.401	8.589	
1435016	at	Trak2	BB795263	Mm.222887	1	11.579	11.489	11.986	11.696	11.664	11.557	11.587	11.224	11.073	11.555	11.334	11.442	11.219	11.078	11.386	11.936	10.962	11.227	11.459	11.346	11.231	11.327	11.449	11.915	
1435017	at	CisD3	AV005069	Mm.29659	11	11.514	11.791	11.798	11.482	11.429	11.764	11.686	11.372	11.612	11.719	11.446	11.448	11.189	11.593	11.446	11.737	11.538	11.741	11.828	11.801	11.433	11.419	11.511	11.689	
1435018	at	5930434B04Rik	BB200314	Mm.150270	2	10.141	10.228	10.493	10.355	10.105	10.623	10.237	9.454	9.811	10.133	9.691	10.023	9.903	9.996	10.144	10.603	10.422	10.402	10.710	10.635	10.020	10.241	10.643	10.611	
1435019	at	Atxn7i3	BB523141	Mm.390381	11	9.711	9.941	9.664	9.695	9.823	9.937	9.905	9.746	9.927	10.027	9.813	9.752	10.037	10.067	9.831	9.815	9.448	9.548	9.683	9.591	9.415	9.553	9.758	9.681	
1435020	at	NA	BE980167	NA	NA	9.880	9.820	9.986	9.944	10.049	10.925	10.013	10.100	9.238	9.505	9.681	9.841	10.342	9.452	9.731	9.911	10.033	9.972	9.767	9.875	10.102	10.251	9.927	9.948	
1435021	at	Gabrr3	B0175666	Mm.8004	7	5.825	5.598	5.911	5.718	6.393	6.051	5.817	6.149	6.104	6.130	6.010	6.197	6.147	5.854	6.114	5.884	5.524	6.041	5.870	5.934	5.722	5.742	5.867	5.889	
1435022	at	Abp1	BM329230	Mm.132227	10	5.391	5.038	5.679	5.376	5.038	5.679	5.376	5.171	5.023	5.194	5.038	5.679	5.376	5.194	5.038	5.679	5.376	5.194	5.038	5.679	5.376	5.194	5.038	5.679	
1435023	at	TrnR2	BB794974	Mm.127204	12	8.641	8.953	8.607	8.668	8.823	8.618	8.550	7.917	9.102	9.323	8.655	8.982	9.002	9.906	8.842	8.512	8.455	8.742	8.391	8.532	8.742	8.808	8.712	8.808	
1435024	at	NolD3	BG080712	Mm.475105	8	6.482	6.658	6.265	6.725	6.730	6.393	6.698	6.646	6.682	6.777	6.558	6.549	6.594	6.612	6.485	6.312	6.792	6.617	6.477	6.538	6.681	6.821	6.543	6.533	
1435025	at	Otofod1	AW539314	Mm.251085	8	9.113	9.021	9.319	9.241	9.155	9.248	9.229	8.900	8.807	9.087	9.050	9.010	9.052	9.256	9.011	9.298	8.937	9.154	9.449	9.439	9.029	9.033	9.241	9.480	
1435026	at	Spock2	BM117672	Mm.153429	10	8.099	7.081	8.499	7.822	7.755	7.813	7.514	7.734	7.404	7.833	7.792	7.809	7.653	7.429	8.139	8.530	7.939	8.175	8.004	7.869	8.082	7.506	8.003	8.315	
1435027	at	Golga1	AW552851	Mm.131098	2	9.270	9.196	9.478	9.353	9.355	9.313	9.439	9.232	9.233	9.390	9.196	9.312	9.275	9.310	9.209	9.439	9.410	9.159	9.282	9.380	9.234	9.098	9.392	9.181	
1435028	at	Wdr7	BB795506	Mm.30850	18	9.349	9.356	9.590	9.362	9.497	9.597	9.596	9.374	9.362	9.537	9.008	9.356	9.484	9.574	9.358	9.607	9.256	9.403	9.623	9.607	9.301	9.391	9.500	9.643	
1435029	at	NA	BB454974	NA	NA	12.704	12.869	12.780	12.670	12.942	12.718	12.708	12.587	12.862	12.966	12.854	12.861	12.846	13.099	12.712	12.852	12.516	12.482	12.696	12.659	12.405	12.643	12.498	12.678	
1435030	at	zfp2	BM329230	Mm.132227	2	7.770	8.093	8.126	8.076	8.174	8.176	7.889	7.938	7.755	8.058	9.337	9.205	8.990	9.047	9.043	9.729	10.283	9.931	9.879	9.024	9.720	9.847	9.941	9.941	
1435031	at	Tmem120a	AV069498	Mm.11688	5	8.093	8.959	7.992	8.021	7.721	7.846	7.825	8.169	8.754	8.459	8.265	8.102	8.106	8.510	7.982	8.099	8.121	8.215	8.080	8.054	8.274	8.189	7.990	8.167	
1435032	at	Golqb1	BM213299	Mm.244815	16	9.960	10.158	10.272	10.224	10.414	10.120	9.940	9.987	10.288	10.324	10.426	10.542	10.347	10.188	10.175	10.226	10.261	10.047	9.927	10.070	9.980	10.120	10.082	10.169	
1435033	at	Rhaet4	AV024939	Mm.41604	1	7.476	7.213	7.493	7.290	7.327	7.091	7.409	7.485	7.573	7.321	7.635	7.388	7.478	7.473	7.216	7.361	7.225	7.149	7.392	7.574	7.272	7.286	7.473	7.317	
1435034	at	Rpa2	BG076062	Mm.159681	5	5.619	5.615	5.647	5.707	5.187	5.472	5.217	5.513	5.548	5.705	5.197	5.748	5.199	5.183	5.612	5.969	5.744	5.744	5.604	5.529	5.556	5.191	5.558	5.537	
1435035	at	Rq9mtD2	BG063557	Mm.471692	3	7.677	8.078	7.622	7.643	7.915	7.975	8.016	7.812	8.531	8.310	8.831	7.997	7.999	8.433	7.891	7.655	7.705	7.803	7.742	7.630	7.701	7.721	7.935	7.571	

1435085	at	NA	AV234069	NA	NA	7.466	6.920	7.644	7.568	7.375	7.414	7.324	6.892	7.086	6.288	6.618	7.476	7.450	7.196	7.463	7.578	7.591	7.797	7.568	7.720	7.550	7.638	7.449	7.794		
1435086	s	at	Klhdcd2	AV298107	Mm.234368	12	11.313	11.206	11.577	11.187	10.997	11.211	11.172	11.122	11.032	11.281	10.953	11.224	11.149	11.103	11.063	11.324	11.256	11.226	11.209	11.145	11.239	11.459	11.307	11.437	
1435087	at	Zfp362	AI409907	Mm.22616		4	8.517	8.756	8.685	8.817	8.808	8.775	8.719	8.636	8.855	8.932	8.532	8.975	9.025	8.819	8.803	8.679	8.880	8.958	8.942	8.833	8.720	8.724	8.624	8.573	
1435088	at	Nsd1	BM945177	Mm.12964		13	8.241	8.467	8.398	8.357	8.631	8.601	8.468	8.238	8.476	8.695	8.131	8.680	8.495	8.432	8.438	8.379	8.406	8.589	8.437	8.453	8.238	8.337	8.295	8.266	
1435089	at	Z01011101Rik	AI157086	Mm.189105		13	9.525	9.162	8.854	8.967	9.153	9.162	9.761	9.881	9.458	9.574	9.395	9.365	9.290	9.278	9.613	8.918	8.952	8.739	8.549	8.950	8.634	8.974	9.091		
1435090	at	Tubgcp6	BB477000	Mm.380934		15	6.499	6.868	6.751	6.640	6.815	6.721	6.535	6.726	6.613	6.662	6.395	6.771	6.753	6.736	6.472	6.821	7.075	6.834	6.725	6.983	6.753	6.939	6.525	6.791	
1435091	at	Zfp586	BM207314	Mm.322432		7	10.330	10.251	10.269	9.821	9.745	9.992	10.204	10.064	9.872	10.100	10.622	9.911	9.851	10.088	10.244	10.305	9.543	9.951	9.516	9.639	10.028	9.886	10.231	10.497	
1435092	at	Arl4a	AV328143	Mm.12723		12	6.463	6.065	6.658	6.371	6.348	6.417	6.385	6.506	5.703	5.939	5.779	6.344	6.104	5.716	6.184	6.335	6.712	6.720	6.761	6.184	6.737	7.108	6.466	6.575	
1435093	at	Zfyve20	AV259377	Mm.290734		6	8.191	8.514	7.973	8.218	8.366	8.132	8.077	8.580	8.654	8.344	8.471	8.452	8.389	8.173	8.188	8.147	8.586	8.303	8.071	8.082	8.359	8.653	7.962	7.945	
1435094	at	Kcni16	BI145872	Mm.301176		11	4.585	4.267	4.541	4.515	4.487	4.424	4.518	4.491	4.511	4.264	4.740	4.314	4.464	4.374	4.464	4.467	4.301	4.332	4.624	4.455	4.502	4.478	4.587	4.381	
1435095	at	C03009012Rik	BE980202	Mm.87041		5	4.988	4.248	4.348	4.230	4.227	4.486	4.373	4.268	4.238	4.244	4.293	4.154	4.295	4.196	4.242	4.429	4.656	4.242	4.138	4.459	4.480	4.281	4.297	4.564	
1435096	at	Ric3b	BB667093	Mm.18936		10	10.361	9.820	10.508	10.716	10.206	10.654	10.539	10.019	9.340	9.661	9.776	9.956	9.758	9.783	10.170	10.565	10.902	10.782	10.689	10.893	10.619	10.943	10.645	10.657	
1435097	at	Mnab	BB772682	Mm.105182		5	8.006	7.765	8.193	8.261	7.988	8.223	7.812	7.857	7.514	7.508	7.540	7.910	7.471	7.256	7.879	8.325	7.799	8.423	8.166	8.299	8.938	8.487	8.184	8.360	
1435098	at	AA474331	BF658992	Mm.338571		10	7.374	7.443	7.472	7.630	7.686	7.764	7.408	7.379	7.330	7.534	6.920	7.471	7.368	7.424	7.489	7.579	7.593	7.705	7.727	7.544	7.463	7.447	7.523	7.405	
1435099	at	Utp14a	BF225689	Mm.336045	X		9.432	9.518	9.518	9.437	9.469	9.432	9.454	9.593	9.455	9.435	9.701	9.478	9.462	9.569	9.394	9.541	9.512	9.518	9.543	9.491	9.414	9.587	9.549	9.461	
1435100	at	A130042E20Rik	AV376052	Mm.344778		10	5.599	5.399	5.675	5.787	5.600	5.601	5.541	5.512	5.394	5.405	5.208	5.399	5.317	5.489	5.458	5.558	5.595	5.784	5.727	5.595	5.584	5.526	5.729	5.687	
1435101	at	Der12	BB389641	Mm.28131		11	8.358	8.489	8.473	8.317	8.541	8.406	8.387	8.202	8.590	8.843	8.297	8.526	8.634	8.740	8.554	8.483	8.526	8.393	8.727	8.593	8.536	8.340	8.294	8.453	
1435102	a	at	Stx18	UI788958	Mm.18959		5	8.978	8.966	9.048	8.998	8.897	8.854	8.930	8.574	9.049	9.162	8.891	8.965	8.918	8.926	8.864	8.967	8.642	8.918	8.903	9.014	8.841	8.567	8.907	8.937
1435103	x	at	Farsb	AV116958	Mm.28922		10	10.892	10.947	11.056	11.145	10.770	10.805	11.249	10.900	10.979	11.026	11.107	10.640	10.546	11.167	10.838	11.061	11.015	11.088	11.262	11.281	11.118	11.251	11.383	11.324
1435104	at	Zdhhc21	B1900142	Mm.32047		4	8.943	8.964	8.980	8.860	8.961	8.893	8.991	8.941	8.861	8.898	9.173	8.797	8.887	9.111	8.962	8.880	8.717	8.710	8.831	8.741	8.741	8.777	8.860	8.780	
1435105	at	Rnt208	BC066986	Mm.24777		2	7.835	7.521	7.617	7.586	7.741	7.380	7.767	7.680	7.753	7.391	7.764	7.437	7.646	7.597	7.607	7.620	7.744	7.627	7.696	7.810	7.596	7.644	7.539	7.506	
1435106	at	Lpmch	AV024662	Mm.374778		5	11.387	11.146	11.481	11.348	11.167	11.311	11.278	11.430	10.847	11.230	10.843	11.147	10.842	10.635	11.280	11.410	11.333	11.265	11.239	11.422	11.068	11.420	11.364	11.273	
1435107	at	Ptdcd1	BB194539	Mm.315089		13	8.024	7.698	7.694	7.938	7.755	7.780	7.744	7.565	7.720	7.746	7.730	7.695	7.741	7.714	7.913	7.622	7.785	7.737	7.739	7.699	7.720	7.732	7.709	8.080	
1435108	at	Arhaap22	BG295243	Mm.318350		14	7.257	7.497	7.172	7.161	7.232	6.746	7.135	7.390	7.694	7.204	7.551	7.240	7.509	7.440	7.232	7.186	7.368	7.007	7.116	7.171	7.144	7.059	7.155	7.187	
1435109	at	Tmem175	BM123256	Mm.258329		5	7.683	7.560	7.886	7.744	7.606	7.784	7.780	7.817	7.833	7.796	7.591	7.732	7.721	7.624	7.732	7.776	7.684	7.916	7.664	7.769	7.799	7.706	7.876	7.885	
1435110	at	Unc5b	BC065285	Mm.290433		10	9.161	10.076	9.242	9.569	9.863	9.527	9.346	9.749	10.714	10.514	9.723	10.305	10.495	10.011	9.934	9.344	9.344	9.344	9.280	9.536	9.310	9.208	9.712	9.142	
1435111	at	Z010111E23Rik	AI157086	Mm.189105		13	9.525	9.162	8.854	8.967	9.153	9.162	9.761	9.881	9.458	9.574	9.395	9.365	9.290	9.278	9.613	8.918	8.952	8.739	8.549	8.950	8.634	8.974	9.091		
1435112	at	Stx18	AV154755	Mm.271641		13	14.596	14.367	14.607	14.567	14.368	14.565	14.537	14.399	14.121	12.291	14.310	14.401	14.238	14.290	14.452	13.987	14.504	14.550	14.559	14.499	14.516	14.555	14.603	14.633	
1435113	x	at	Stmn3	AV007850	Mm.2319		2	6.977	6.939	7.049	6.928	7.149	7.015	6.894	7.046	7.451	7.136	7.048	6.959	7.243	7.140	7.110	6.963	6.754	7.017	7.084	7.166	6.842	6.688	6.956	7.055
1435114	at	Whdhl	C77437	Mm.265615		14	7.862	8.498	7.620	7.893	7.933	8.176	8.167	8.043	8.001	7.948	8.169	7.662	7.814	8.486	7.899	7.782	7.653	7.705	7.948	8.025	7.864	7.748	7.955	7.711	
1435115	at	Fncd3	AV565655	Mm.44075		4	10.823	10.367	10.885	10.967	10.316	10.563	10.710	10.800	8.730	9.505	9.829	10.214	9.644	9.613	9.894	10.828	10.865	10.760	10.632	10.643	10.827	10.901	10.713	10.661	
1435116	at	4933403G14Rik	BB219003	Mm.41179		8	6.268	6.065	6.497	6.437	6.453	6.260	6.421	6.573	6.241	6.823	6.141	6.494	6.500	6.362	6.761	6.653	6.824	6.575	6.625	6.562	6.763	6.642	6.712	6.850	
1435117	a	at	Dnaic27	BO175552	Mm.271656	12	8.630	8.370	8.600	8.455	8.504	8.430	8.505	8.361	7.809	8.215	8.570	8.355	8.165	8.601	8.525	8.720	8.520	8.582	8.615	8.775	8.297	8.498	8.598	8.983	
1435118	at	Tsen2	AU067695	Mm.291208		6	8.438	8.615	8.230	8.214	8.341	8.422	8.317	8.504	8.452	8.365	8.326	8.480	8.328	8.512	8.190	8.321	8.647	8.581	8.446	8.392	8.467	8.635	8.223	8.228	
1435119	at	Be3b	BB389678	Mm.28131	NA		1	8.980	9.090	9.975	10.118	9.282	8.194	9.469	8.399	8.395	9.986	6.395	6.985	6.923	6.982	6.971	6.892	6.932	6.925	6.912	6.942	6.932	6.957	7.922	
1435120	na	NA	AV300631	NA	NA		4	7.726	4.512	4.737	4.567	4.716	4.731	4.630	4.420	4.812	4.750	4.256	4.834	4.816	4.667	4.801	4.590	4.587	4.413	4.589	4.547	4.619	4.450	4.683	4.501
1435121	at	Dio3os	BC075563	Mm.351717		12	8.953	8.383	8.671	8.755	8.654	8.493	8.488	8.477	8.695	8.711	8.676	8.761	8.741	6.884	8.786	8.664	8.381	8.538	8.719	8.903	8.662	8.471	8.677	8.730	
1435122	x	at	Dnm1t	BB165431	Mm.128580	9	8.625	10.044	8.514	8.842	9.342	8.925	8.924	8.993	9.456	9.093	9.229	8.841	8.999	9.279	8.734	8.374	8.600	8.771	8.701	8.451	8.491	8.508	8.484	8.188	
1435123	at	Efr3b	BB795377	Mm.210266		12	7.470	7.613	7.728	7.782	7.788	7.940	7.773	7.758	7.669	7.931	8.043	7.952	8.060	7.930	8.046	7.796	7.596	8.035	8.094	8.026	7.611	7.579	7.638	7.873	
1435124	at	EG328644	BB307349	Mm.40539		16	5.619	5.582	5.623	5.653	5.623	5.552	5.739	5.795	5.805	5.639	5.698	5.668	5.757	5.706	5.601	5.711	5.848</								

1435174	at	Rsbn1	AW546080	Mm.29366	3	8.016	7.402	8.202	7.940	7.714	8.253	8.085	7.240	7.291	7.910	7.774	7.501	7.642	7.879	8.167	7.988	8.342	7.555	7.855	8.049	8.072	7.824	7.787	8.244	8.386
1435175	at	BC034090	BI738434	Mm.29270	1	9.353	9.412	9.400	9.370	9.374	9.119	9.248	9.357	9.303	9.390	9.407	9.600	9.290	8.909	9.064	9.372	9.384	9.579	9.090	9.193	9.311	9.233	8.909	9.293	
1435176	a	at	Id2	BF019883	Mm.34871	12	7.097	7.866	7.358	7.298	7.784	7.409	7.661	8.008	7.855	7.722	7.528	7.554	8.057	7.593	7.331	7.843	7.525	7.789	6.741	7.651	7.536	7.352	7.320	
1435177	a	at	Anapc5	BF019960	Mm.332667	5	11.699	11.785	11.780	11.816	11.953	11.764	11.591	11.927	11.692	11.711	11.791	11.966	11.826	11.657	11.801	11.741	12.059	11.594	11.865	11.813	11.851	12.284	11.633	11.533
1435178	x	at	C130071C03Rik	AW252614	Mm.245636	11	12.453	12.524	12.506	12.580	12.671	12.535	12.407	12.623	12.493	12.412	12.513	12.596	12.418	12.533	12.512	12.777	12.682	12.635	12.582	12.582	12.842	12.462	12.405	
1435179	at	Podn	AV227324	Mm.74710	4	8.868	8.422	8.746	8.959	8.806	8.774	8.810	8.785	8.608	8.729	8.874	8.954	8.745	8.833	8.781	8.880	8.758	8.800	8.742	8.815	8.817	8.619	8.803	8.614	
1435181	at	Lin54	BG073348	Mm.212568	5	6.648	6.905	6.912	6.734	6.909	7.080	6.981	7.493	6.919	7.247	7.033	6.929	6.787	6.967	6.847	6.928	6.853	6.693	6.888	6.733	6.818	7.318	6.715	6.826	
1435182	at	Ccdc61	AI132326	Mm.333624	7	7.430	7.680	7.571	7.327	7.738	7.685	7.655	7.438	7.488	7.487	7.496	7.768	7.203	7.642	7.495	7.557	7.514	7.786	7.482	7.798	7.507	7.476	7.575	7.525	
1435183	at	Tbkbp1	AW050349	Mm.27882	11	8.605	8.457	8.378	8.490	8.379	8.450	8.512	8.298	8.437	8.339	8.454	8.296	8.357	8.544	8.440	8.432	8.436	8.414	8.490	8.584	8.670	8.313	8.696	8.492	
1435184	at	Npp3	BG066982	Mm.25259	15	6.716	6.892	7.156	7.304	6.986	7.769	7.053	6.885	6.677	6.970	6.296	7.090	6.257	6.865	6.604	7.256	6.800	7.048	7.568	6.797	6.729	7.154	6.797	6.912	
1435185	at	Lrrcc1	BF466265	Mm.257449	3	5.810	5.866	5.937	5.943	6.154	5.967	5.878	6.080	6.173	6.394	5.867	5.976	6.158	6.071	6.014	5.884	6.208	5.868	6.133	5.985	5.842	5.915	5.924	5.798	
1435186	s	at	Lrrcc1	BF466265	Mm.257449	3	7.020	7.125	7.087	7.231	7.120	7.156	7.268	7.099	7.258	7.518	7.304	7.162	7.385	7.172	7.382	7.162	7.300	7.300	7.312	7.433	6.990	7.097	7.053	6.997
1435187	at	NA	BG064946	NA	NA	7.904	7.531	8.008	7.881	8.115	7.979	7.913	7.820	7.760	7.832	7.985	8.158	8.176	7.906	8.158	7.949	8.305	8.109	8.372	8.207	7.961	8.195	7.679	7.930	
1435188	at	Gm129	BB407125	Mm.331218	3	8.026	7.893	7.988	7.689	8.113	8.642	8.242	8.375	7.609	7.616	7.855	8.300	8.194	7.714	8.392	8.147	9.147	9.397	8.678	9.195	8.874	8.793	9.366	8.699	
1435189	at	Frmppd1	BM213356	Mm.24783	4	6.088	6.172	6.122	6.131	6.080	6.131	5.992	6.358	6.069	5.780	6.060	6.028	6.044	6.150	6.122	6.092	6.388	6.208	6.163	6.062	6.162	6.186	6.017	6.127	
1435190	at	Chl1	BB378591	Mm.251288	6	5.904	5.932	5.896	5.712	5.657	6.476	5.658	5.319	5.488	5.348	5.661	5.568	5.550	6.503	5.417	5.639	5.493	5.568	5.801	5.351	5.427	5.460	5.712	5.236	
1435191	at	Cdsn	BM231053	Mm.426664	17	7.930	7.705	7.809	7.987	7.573	7.807	8.062	7.835	7.690	7.736	7.730	7.685	7.482	7.680	7.668	7.875	8.205	7.870	7.918	8.074	7.893	7.746	7.846	7.844	
1435192	at	Sox3	AV306664	Mm.35784	X	6.231	6.104	6.160	6.136	6.159	6.035	6.121	6.143	6.190	6.141	6.355	6.093	6.122	6.197	6.103	6.174	6.168	6.298	6.233	6.267	6.368	6.156	6.109	6.170	
1435193	at	A230050P02Rik	BB085904	Mm.249932	9	7.784	8.053	7.832	7.877	7.965	7.861	7.947	7.997	7.885	7.839	7.908	7.914	8.027	7.776	7.743	7.722	8.135	8.054	7.914	7.780	7.931	8.099	7.734	7.786	
1435194	at	Hspa4	AW090503	Mm.239865	11	11.185	11.147	11.080	11.107	11.384	11.005	11.121	11.152	10.940	11.015	10.920	11.117	11.016	10.906	10.887	10.962	11.028	11.249	10.985	10.986	10.442	11.208	11.003	10.982	
1435195	at	Vash1	BG076358	Mm.216101	12	9.462	9.944	9.141	9.514	9.921	9.379	9.578	10.212	10.090	10.073	10.510	10.007	10.128	10.047	9.980	9.162	9.523	9.416	9.468	9.460	9.877	9.995	9.622	9.378	
1435196	at	Ntrk2	BB795585	Mm.130054	13	5.812	5.251	5.858	5.764	5.534	5.741	5.860	5.778	5.610	5.540	5.526	5.647	5.692	5.554	5.559	5.861	5.737	5.739	5.912	5.833	5.962	5.869	5.501	5.867	
1435197	at	Pou3f3	BE993443	Mm.475750	1	5.698	5.460	5.593	5.588	5.778	5.750	5.523	5.904	5.567	5.490	5.518	5.678	5.938	5.703	5.711	5.712	5.689	5.731	5.780	5.684	5.788	5.546	5.733	5.918	
1435198	at	545228	AA175473	Mm.392172	17	8.755	8.452	9.192	9.148	8.585	9.755	9.320	9.250	8.823	8.367	8.673	8.517	8.935	8.999	8.663	8.819	9.165	9.685	9.572	9.282	9.376	9.117	9.579	9.216	8.779
1435199	at	Apc2	BM114349	Mm.57247	10	4.302	4.389	4.301	4.235	4.277	4.260	4.226	4.180	4.304	4.506	4.252	4.527	4.310	4.365	4.329	4.325	4.499	4.276	4.144	4.229	4.109	4.205	4.452	4.307	
1435200	at	8330419J24Rik	BF466265	Mm.233688	X	4.753	4.732	4.460	4.460	4.469	4.493	4.469	4.432	4.446	4.436	4.432	4.436	4.432	4.436	4.432	4.436	4.432	4.436	4.432	4.436	4.432	4.436	4.432	4.436	
1435201	at	Tmem174	BG075369	Mm.27466	10	5.339	5.366	5.499	5.491	5.274	5.474	5.226	5.310	5.352	5.192	5.430	5.355	5.192	5.430	5.355	5.192	5.430	5.355	5.192	5.430	5.355	5.192	5.430	5.355	
1435202	at	Zfp574	BI905483	Mm.455807	7	8.780	8.788	8.778	8.848	8.835	8.736	8.767	8.950	8.651	8.616	8.885	8.905	8.686	8.525	8.791	8.774	9.226	9.082	8.857	8.921	9.066	9.141	8.860	8.822	
1435203	at	Man2a2	BB794673	Mm.269245	7	10.237	10.395	10.506	10.538	10.561	10.575	10.396	10.150	10.448	10.538	10.323	10.995	10.825	10.365	10.820	10.546	10.375	10.515	10.534	10.383	10.302	10.469	10.475	10.533	
1435204	at	Prmt8	BG065273	Mm.39750	6	6.002	5.799	6.197	6.009	5.851	5.958	6.063	5.870	5.631	5.599	6.047	5.744	5.778	5.836	5.758	5.981	6.163	6.030	6.054	6.161	6.076	5.938	6.033	6.004	
1435205	at	Tcfap2e	C88013	Mm.331881	4	5.491	5.084	5.330	5.290	5.234	5.137	5.393	5.063	5.373	5.118	5.384	5.148	5.351	5.353	5.165	5.186	5.177	4.988	5.191	5.236	5.409	5.197	5.522	5.146	
1435206	at	Slc24a4	BB767169	Mm.312448	12	7.910	7.927	7.613	7.812	7.778	7.873	7.827	8.021	7.795	7.559	7.857	7.666	7.734	7.932	7.729	7.776	7.839	8.076	7.945	8.006	7.961	7.769	7.919	7.880	
1435207	at	Dcdc1	BM758432	Mm.82598	9	9.230	7.851	9.166	8.863	7.204	8.833	7.981	6.910	7.063	7.448	7.002	8.104	7.898	8.153	7.315	9.097	7.436	8.774	9.021	8.130	8.670	7.890	7.405	7.739	
1435208	at	Erln2	BF130660	Mm.277699	10	8.255	8.192	8.418	8.590	8.596	8.502	10.428	9.444	9.427	9.488	9.354	9.896	8.677	9.589	9.293	9.213	9.351	9.582	9.351	9.582	9.351	9.582	9.351	9.582	
1435209	at	BC057079	AV270935	Mm.287210	4	9.009	9.283	9.813	9.117	9.187	9.952	9.084	9.080	8.898	8.939	8.835	9.110	8.895	8.952	8.945	9.030	9.734	9.326	9.073	9.106	9.288	9.377	9.085	9.240	
1435210	s	at	Snpb	BG174936	Mm.39312	2	6.961	6.747	6.910	6.824	6.690	6.576	6.663	6.778	6.645	6.740	6.731	6.571	6.783	6.811	6.657	6.845	6.781	6.674	6.688	6.753	6.740	6.715	6.628	
1435211	at	Ttcl2	BB554533	Mm.177413	9	9.153	8.694	9.437	9.130	8.976	9.276	8.963	8.576	8.668	8.978	8.761	8.985	8.819	8.716	9.028	9.408	9.231	9.135	9.037	9.269	9.196	9.258	9.406	9.365	
1435212	at	P2rx2	BE948568	Mm.55948	5	7.007	6.721	7.058	7.034	6.695	6.912	7.052	6.875	6.771	6.627	6.783	6.734	6.877	6.889	6.737	6.948	6.920	6.858	6.946	6.856	6.826	6.805	6.826	6.805	
1435213	at	Nhlrc1	BB309133	Mm.25593	13	8.456	8.701	9.038	8.683	8.858	8.940	8.212	8.568	8.194	8.728	8.713	7.950	8.226	8.327	8.794	9.129	9.327	9.364	9.232	9.325	9.194	9.280	8.982	9.188	
1435214	at	Gic2	BB319817	Mm.40016	11	8.186	7.987	8.112	8.008	8.078	7.964	8.134	8.011	7.913	7.943	8.009	7.893	8.085	7.895	8.127	8.170	7.978	7.978	8.098	8.097	8.070	7.995	7.925	8.030	
1435215	at	NA	BB319817	Mm.40016	NA	8.186	7.987	8.112	8.008	8.078	7.964	8.134	8.011	7.913	7.943	8.009	7.8													

1435263	at	Tmem106a	AV024335	Mm.280559	11	7.563	8.237	7.328	7.619	7.679	7.571	7.593	7.693	8.494	8.049	7.608	7.568	7.585	8.162	7.515	7.467	7.474	7.546	7.156	7.535	7.491	7.399	7.463	
1435264	at	Emilin2	BB181788	Mm.23462	17	10.585	10.453	10.489	10.601	9.953	10.556	10.155	9.494	9.888	9.810	9.987	9.489	9.435	10.230	9.943	10.576	10.905	10.656	10.954	10.659	10.884	10.880	10.263	
1435265	at	NA	BF466929	NA	NA	11.034	10.281	11.115	11.061	11.338	11.241	11.040	10.588	9.517	10.101	9.411	11.236	10.852	10.236	10.808	11.077	11.151	11.077	11.137	11.149	11.218	11.497	11.536	
1435266	at	A930041102RIK	BB495464	Mm.204836	2	7.018	6.818	7.218	6.966	7.523	7.426	7.435	6.912	6.869	7.574	7.261	7.419	7.400	7.155	7.455	7.245	6.537	7.054	7.426	7.360	6.971	6.857	7.112	
1435267	at	B03108E01RIK	B03108E0	Mm.359504	8	8.445	8.216	8.389	8.247	9.003	8.873	8.138	8.853	8.652	8.241	8.623	7.990	8.791	8.513	8.675	8.487	8.559	8.520	8.559	8.520	8.805	8.910	8.480	
1435268	at	NA	B2743357	NA	NA	5.923	6.639	5.847	5.796	5.796	5.949	5.581	5.729	5.592	5.643	5.772	5.791	5.791	5.679	5.899	5.850	5.992	5.835	5.790	5.812	5.765	5.784	5.639	
1435269	at	N6amt2	BF730076	Mm.45225	14	8.807	8.476	8.917	8.951	8.771	8.643	8.968	8.709	8.765	8.576	8.724	8.815	8.693	8.733	8.700	8.854	8.854	8.741	8.792	8.914	8.941	8.704	8.804	
1435270	x at	N6amt2	BF730076	Mm.45225	14	9.373	9.433	9.278	9.418	9.454	9.320	9.395	9.516	9.350	9.255	9.196	9.276	9.356	9.317	9.227	9.260	10.014	9.842	9.484	9.610	9.816	9.914	9.386	
1435271	at	Irf3	BB162503	Mm.3960	7	7.401	7.220	7.333	7.446	7.381	7.289	7.273	7.305	7.191	7.289	7.153	7.324	7.199	7.124	7.294	7.320	7.302	7.388	7.463	7.380	7.310	7.224	7.383	
1435272	at	Itpkb	BE196957	Mm.132535	1	10.138	9.944	10.153	10.337	10.102	10.167	10.261	10.134	9.710	9.988	10.342	10.201	10.204	10.078	10.342	10.257	10.156	10.252	10.142	10.406	10.212	10.122	10.344	
1435273	at	Wars2	AV000993	Mm.316754	3	8.342	7.869	8.089	8.188	8.021	8.246	8.322	8.052	7.917	7.935	8.204	8.005	7.972	8.028	8.144	8.219	8.169	8.157	8.135	8.265	8.181	8.165	8.399	
1435274	at	Spo0l	BM175341	Mm.276415	2	7.879	7.630	7.996	7.913	8.012	8.086	8.106	7.768	7.600	7.841	7.644	8.025	8.021	7.541	8.051	7.890	8.145	8.117	7.958	7.723	7.958	8.295	7.875	
1435275	at	Cox6b2	AV013496	Mm.29625	7	5.171	5.101	5.112	5.246	5.299	5.168	5.211	5.590	5.348	5.199	5.286	5.386	5.275	5.181	5.294	5.149	5.297	5.520	5.277	5.378	5.502	5.373	5.239	
1435276	a at	Dqr2	BM231781	Mm.254515	16	8.274	8.599	8.228	8.388	8.064	8.326	8.273	8.340	8.516	8.428	8.794	8.219	8.287	8.401	8.258	8.230	8.207	8.350	8.268	8.231	8.299	8.137	8.268	
1435277	x at	Nme1	AV156640	Mm.439702	11	10.722	10.246	10.704	10.398	10.863	10.633	10.756	10.872	10.491	10.656	10.833	10.600	10.285	10.532	10.612	10.515	10.120	10.546	10.494	10.512	10.429	10.107	10.391	
1435278	at	1810036N14RIK	BE688374	Mm.31537	18	7.391	6.964	7.340	7.272	7.067	7.221	7.201	7.545	7.089	7.142	7.244	7.191	7.471	7.212	7.248	7.230	7.821	7.543	7.517	7.587	7.554	7.614	7.259	
1435279	at	BC059842	AV338182	Mm.415218	4	8.321	8.404	8.204	8.344	8.596	8.151	8.147	8.460	8.359	8.410	8.229	8.710	8.465	8.145	8.241	8.306	8.531	8.659	8.225	8.340	8.395	8.399	8.364	
1435280	at	AI452195	BB303582	Mm.458121	13	9.615	8.963	10.042	9.861	9.330	9.836	9.753	9.175	8.428	9.028	8.798	9.205	9.024	8.797	9.499	9.999	9.847	9.829	9.842	9.980	9.546	9.799	9.664	
1435281	at	Cnt1c	BE956581	Mm.231465	7	6.523	6.868	6.447	6.493	7.103	6.657	6.357	6.601	7.579	7.445	6.680	7.528	7.547	7.194	6.587	6.368	6.272	6.404	6.429	6.344	6.370	6.199	6.023	
1435282	at	Gm967	BE647179	Mm.426078	19	10.810	10.965	10.570	10.793	10.876	10.688	10.735	10.453	11.066	11.152	10.943	11.339	11.264	10.870	10.888	10.698	10.689	10.857	10.907	10.914	10.587	10.521	10.760	
1435283	s at	Gm967	BE647179	Mm.426078	19	10.290	10.629	10.401	10.076	10.103	10.136	10.192	10.124	10.767	10.648	10.302	11.078	10.654	10.360	10.372	9.953	10.219	10.386	10.274	10.107	10.058	10.342	10.082	
1435284	at	Rtn4	BB648600	Mm.192580	11	8.950	9.391	8.129	8.172	8.563	8.344	8.262	8.775	9.441	9.411	10.048	8.832	8.463	8.566	9.071	8.153	8.292	8.038	7.868	7.678	7.774	7.953	8.325	
1435285	at	Moped2	BB731805	Mm.45628	2	8.067	7.265	7.931	8.109	7.568	8.043	7.607	6.767	6.109	6.767	6.375	7.171	7.017	6.319	7.086	7.822	8.701	7.960	8.421	8.149	7.961	8.306	7.976	
1435286	at	Epha5	BB304438	Mm.137991	5	4.507	4.461	4.567	4.578	4.595	4.611	4.511	4.633	4.479	4.312	4.511	4.517	4.495	4.566	4.452	4.573	4.610	4.386	4.495	4.656	4.472	4.437	4.515	
1435287	at	Add2	AV298858	Mm.104155	6	4.646	4.617	4.540	4.793	4.496	4.524	4.693	4.545	4.610	4.641	4.633	4.639	4.627	4.700	4.551	4.667	4.467	4.595	4.542	4.466	4.571	4.447	4.691	
1435288	at	Coro1a	BB740218	Mm.290482	7	4.759	5.142	4.536	4.680	4.404	4.523	4.714	4.777	4.849	4.798	4.657	4.694	4.546	4.648	4.534	4.529	4.748	4.616	4.507	4.687	4.593	4.631	4.631	
1435289	at	14K01RIK	BB230362	Mm.473063	12	8.247	8.162	8.318	8.267	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267
1435290	x at	He-Aa	BE688749	Mm.235338	17	6.069	5.110	11.011	10.987	12.425	11.700	11.450	11.242	12.401	11.476	11.416	12.628	11.509	12.439	12.334	10.101	11.244	11.210	11.610	11.507	11.121	11.501	11.467	11.282
1435291	at	Lemd3	BM242619	Mm.339371	10	9.523	9.445	9.402	9.362	9.297	9.314	9.416	9.181	9.255	9.522	9.202	9.320	9.321	9.277	9.391	9.546	9.227	9.293	9.298	9.240	9.409	9.547	9.558	
1435292	at	Tbc1d4	AF023098	Mm.320639	14	9.365	8.793	8.906	9.021	8.729	9.404	8.902	8.762	8.082	8.375	8.802	8.432	8.478	8.908	8.860	8.952	9.004	9.359	9.403	9.418	8.822	8.899	8.877	
1435293	at	Adam22	BF0715321	Mm.275895	5	9.190	8.693	9.288	8.781	8.730	8.512	8.669	8.460	8.621	8.673	8.606	8.409	8.422	8.624	8.436	9.326	8.572	8.780	8.935	8.793	8.737	8.799	8.756	
1435294	at	Mtmr11	BB037102	Mm.268536	3	6.255	5.801	6.283	6.282	6.195	6.319	6.462	5.911	6.151	6.107	5.927	6.036	6.161	6.270	6.180	6.457	6.234	6.200	6.514	6.463	6.052	6.201	6.415	
1435295	at	Dopey1	BG075614	Mm.254500	9	8.098	8.069	8.102	8.159	8.291	8.153	8.263	8.324	8.034	8.095	7.822	8.136	8.240	8.064	8.051	8.151	8.348	8.164	8.033	8.139	8.170	8.477	8.211	
1435296	at	Adra2c	AV349563	Mm.57205	5	6.250	5.999	6.163	6.300	5.911	5.936	6.037	6.462	5.958	5.948	6.210	6.050	6.057	5.988	6.051	6.260	6.218	6.388	6.253	6.168	6.350	6.361	6.104	
1435297	at	Uhr2	BB777657	Mm.276334	9	7.098	4.239	4.930	7.955	5.565	4.820	5.930	3.296	4.766	4.870	4.933	7.258	4.894	4.940	5.098	5.218	4.937	4.998	4.914	4.322	4.722	4.308	5.082	
1435298	at	Cou5	BG920979	Mm.173068	7	7.184	7.024	7.066	7.356	7.211	7.286	7.226	7.318	6.872	7.046	7.006	7.145	7.067	6.934	6.949	7.177	7.265	7.466	7.374	7.221	7.235	6.939	6.945	
1435299	at	Cdk7	BB761538	Mm.259718	13	8.340	8.385	8.464	8.574	8.447	8.604	8.319	8.280	8.243	8.336	8.017	8.501	8.329	8.116	8.345	8.387	8.778	8.768	8.806	8.472	8.290	8.445	8.273	
1435300	at	Lettm1	BF729523	Mm.260538	5	7.639	7.627	7.668	7.739	7.864	7.619	7.662	7.732	7.414	7.629	7.652	7.808	7.441	7.661	7.420	7.683	7.792	7.845	7.807	7.742	7.729	7.705	7.794	
1435301	at	1110004E09RIK	BF460829	Mm.45374	16	8.876	8.545	8.796	8.752	8.753	8.702	8.871	8.832	8.730	8.728	8.797	8.549	8.701	8.605	8.748	8.825	8.752	8.729	8.883	8.846	8.765	8.806	8.794	
1435302	at	Taf4b	AV373814	Mm.312233	18	8.430	8.341	8.357	8.088	8.200	8.250	8.520	8.497	8.007	8.718	8.665	8.249	8.330	8.124	8.355	8.240	8.354	8.446	8.427	8.396	8.291	8.299	8.474	
1435303	at	Taf4b	AV373814	Mm.312233	18	8.407	8.321	8.356	8.397	8.370	8.450	8.498	8.511	8.199	8.292	8.718	8.262	8.518	8.397	8.468	8.378	8.244	8.285	8.496	8.504	8.345	8.272	8.622	
1435304	at	NA	BB230362	Mm.473063	12	8.247	8.162	8.318	8.267	8.302	8.267	8.138	8.302	8.267	8.138	8.302	8.267	8											

1435352	at	Piok	BG969734	Mm.331447	3	7.925	8.004	7.808	8.035	7.963	7.919	7.981	7.899	7.879	7.827	7.747	7.891	7.845	7.815	7.726	7.856	8.021	7.996	7.943	7.730	7.658	7.776	7.629	7.638
1435353	a	Sfl1	BI454991	Mm.320785	11	8.134	8.251	8.388	8.216	8.563	8.137	8.248	8.109	8.843	8.717	7.861	8.255	8.699	8.499	8.306	8.009	8.081	8.172	8.319	8.250	8.134	8.254	8.073	8.047
1435354	at	Kcnj15	BB533892	Mm.272239	16	4.739	5.035	4.974	5.120	5.382	6.004	4.959	5.311	8.034	7.998	5.680	6.823	8.469	6.240	6.537	4.957	4.845	5.192	5.004	5.120	5.314	4.931	4.941	4.977
1435355	at	Ncb	AI595938	Mm.389247	2	6.756	6.148	7.371	6.299	5.995	5.582	6.308	7.241	4.935	5.608	5.597	5.555	5.464	5.381	5.634	7.441	6.312	5.361	5.686	6.221	6.019	6.987	6.021	6.035
1435356	at	Fboxd2	BQ175637	Mm.288651	4	9.189	9.222	9.149	9.378	9.327	9.179	9.085	9.195	9.383	9.351	9.327	9.288	9.351	9.207	9.103	9.238	9.209	9.234	9.169	9.258	9.259	9.310	9.253	9.119
1435357	at	D4Wsu53e	BE652553	Mm.331964	4	9.397	9.195	9.391	9.414	9.392	9.327	9.356	8.970	8.893	9.100	8.224	8.977	9.133	7.761	9.254	9.162	9.193	9.633	9.312	9.172	9.253	9.614	8.834	9.119
1435358	at	Cuedc1	BB400076	Mm.374846	11	9.263	9.202	9.136	9.116	9.709	9.146	9.185	9.051	8.908	9.156	8.960	9.315	9.222	9.071	9.208	9.076	9.169	9.340	9.910	8.900	9.005	9.057	9.116	9.378
1435359	at	BG060632	BB154954	Mm.475990	8	8.251	8.345	7.920	8.120	8.228	7.875	8.062	8.371	8.702	8.311	8.123	8.226	8.151	8.032	8.133	7.994	8.174	8.005	8.097	7.891	8.185	8.171	7.987	7.935
1435360	at	Zfp651	BB076581	Mm.473702	9	10.893	11.023	10.720	10.965	11.321	10.779	10.944	11.092	10.807	10.998	11.155	11.168	11.053	10.747	10.996	10.785	10.112	11.127	11.014	10.936	10.983	10.717	10.930	10.869
1435361	at	Sema3a	BB535044	Mm.27812	14	8.609	7.992	8.379	8.226	8.134	8.081	7.971	8.462	7.765	8.067	8.151	8.134	8.119	7.875	8.307	8.407	8.333	8.246	8.249	8.072	8.462	8.596	8.552	8.271
1435362	at	Foxi3	BB026073	Mm.259227	4	11.237	11.055	11.339	11.301	11.247	11.320	11.159	11.060	10.957	11.139	11.036	11.043	11.102	11.160	11.386	11.183	10.995	11.044	11.102	11.210	11.016	11.110	11.442	11.500
1435363	at	Phkha1	BG073502	Mm.150631	10	8.752	8.745	8.766	8.507	8.666	8.611	8.597	8.937	8.736	9.077	9.296	8.754	8.942	8.892	8.833	8.827	8.454	8.541	8.549	8.599	8.641	8.710	9.023	8.791
1435364	at	Cyrl1	BB323901	Mm.247752	15	9.154	9.119	8.901	9.178	9.082	8.866	8.996	9.305	8.799	8.799	8.630	9.147	8.946	8.693	8.734	8.969	9.523	9.297	9.105	8.793	9.338	9.714	8.938	8.937
1435365	at	A7k345M23Rik	BB614874	Mm.258354	8	7.824	7.246	7.746	7.510	7.424	7.733	7.590	8.232	6.832	6.908	7.541	7.730	7.285	7.010	7.547	7.743	6.881	8.389	7.628	7.945	8.520	8.740	7.802	7.499
1435366	at	D430042O09Rik	BB486367	Mm.274389	7	7.534	7.556	6.914	7.211	7.364	7.123	7.219	7.257	7.381	7.468	6.892	7.330	7.539	7.052	6.944	7.006	7.265	7.234	7.427	6.991	7.138	7.659	6.814	7.236
1435367	at	Mapk4	BO177154	Mm.254517	18	7.736	7.162	7.694	7.355	7.279	7.062	7.101	7.170	6.365	6.724	7.868	6.549	7.161	6.694	6.788	7.541	6.393	6.851	6.725	6.704	6.997	7.012	7.167	7.399
1435368	a	Parp1	BB767586	Mm.277779	1	9.796	9.906	9.920	9.953	9.777	9.950	9.914	9.623	9.404	9.617	9.385	9.509	9.372	9.638	9.619	9.839	10.179	10.017	9.790	9.855	10.067	10.320	9.894	10.004
1435369	at	Ubox5	BM244352	Mm.27090	2	8.939	9.208	9.178	8.969	8.766	8.942	8.918	9.051	8.911	8.895	8.832	8.814	8.654	8.993	8.684	9.127	9.065	8.904	8.913	8.899	8.948	9.168	8.842	9.004
1435370	at	Ces3	AI351051	Mm.292803	8	9.861	7.398	9.031	10.304	9.095	10.627	10.587	8.095	5.099	6.651	7.345	9.200	7.447	8.404	9.863	8.824	11.509	10.976	10.475	10.661	11.551	11.781	10.941	11.462
1435371	x	at	Ces3	Mm.292803	8	8.077	9.919	7.549	8.673	7.558	8.657	8.657	6.628	3.950	4.760	6.032	7.503	6.280	6.827	8.247	7.576	9.606	8.703	8.733	8.484	9.593	9.644	9.136	9.387
1435372	a	Pa2a	AI152156	Mm.4742	10	9.836	10.464	9.751	9.658	9.919	9.728	9.817	9.983	10.116	9.981	10.090	9.936	9.768	10.107	9.813	9.730	9.770	9.945	9.779	9.692	9.885	9.924	9.665	9.911
1435373	at	CsnK1e	BM213197	Mm.30199	15	6.738	6.677	6.570	6.620	6.426	6.567	6.638	6.538	6.523	6.508	6.636	6.352	6.535	6.666	6.553	6.464	6.514	6.510	6.549	6.625	6.556	6.430	6.620	6.629
1435374	at	Cdv12	BG071670	Mm.476154	8	7.139	7.416	7.104	7.086	7.478	7.176	7.294	7.420	7.743	7.884	7.287	7.365	7.806	7.450	7.560	7.143	7.477	7.338	7.266	7.312	7.237	7.439	7.790	7.319
1435375	at	BC052328	BM224652	Mm.266485	15	7.479	8.418	7.353	7.627	7.774	7.582	7.604	7.770	8.720	8.256	7.817	8.002	8.252	8.420	8.030	7.141	7.362	7.545	7.324	7.367	7.370	7.722	7.194	7.244
1435376	at	Dhdh2	BB770542	Mm.264875	8	8.909	9.356	9.057	9.289	9.332	9.326	9.173	9.319	9.407	9.316	9.040	9.407	9.355	9.343	9.311	9.120	9.400	9.419	9.340	9.169	9.240	9.221	9.104	9.221
1435377	at	Z410002O22Rik	BB035728	Mm.272541	13	9.033	9.191	9.224	9.040	9.128	9.195	9.280	9.326	9.103	9.122	8.848	9.133	9.052	9.091	9.103	9.256	4.998	9.313	9.341	9.183	9.437	9.773	9.228	9.225
1435378	at	Z410020M01Rik	BB0562759	Mm.275740	11	9.185	9.275	9.259	9.050	9.352	9.388	9.388	9.236	9.172	9.169	9.460	9.351	9.258	9.154	9.868	9.576	9.868	9.576	9.868	9.576	9.868	9.576	9.868	9.576
1435379	at	C7912209	CG791209	Mm.253446	6	7.696	8.046	6.690	7.600	7.826	7.565	7.677	7.826	7.565	7.677	7.826	7.565	7.677	7.826	7.565	7.677	7.826	7.565	7.677	7.826	7.565	7.677	7.826	7.565
1435380	at	Cox10	BG073490	Mm.340211	11	10.430	10.343	10.229	10.389	10.162	10.223	10.307	10.732	9.950	9.917	10.089	10.293	9.848	9.923	10.021	10.213	10.913	10.808	10.425	10.411	10.851	10.862	10.351	10.387
1435381	at	B210110G12Rik	BI134316	Mm.273155	17	7.455	7.016	7.397	7.321	7.463	7.290	7.379	7.269	7.509	7.487	7.385	7.248	7.359	7.540	7.458	7.565	7.337	7.544	7.355	7.387	7.488	7.207	7.434	7.209
1435382	at	Ndn	AW743020	Mm.400253	7	9.366	9.903	9.897	9.342	9.618	9.990	9.462	9.405	10.266	10.160	9.036	9.807	9.662	10.037	9.563	8.812	9.225	9.365	9.580	8.900	9.424	9.520	9.135	8.900
1435383	x	at	Ndn	Mm.400253	7	9.370	9.944	9.148	9.437	9.745	9.993	9.571	9.506	10.368	10.201	9.184	9.950	9.775	10.051	9.703	9.034	9.511	9.491	9.572	9.132	9.516	9.590	9.168	8.962
1435384	at	Ube2n	BE980685	Mm.315767	2	8.026	7.850	7.952	7.940	8.099	8.116	7.982	7.693	7.354	7.406	7.590	7.604	7.720	7.519	7.842	7.814	8.070	8.234	8.261	8.221	8.024	8.021	7.919	8.235
1435385	at	Tsh2	AV556161	Mm.351789	2	8.525	8.435	8.389	8.577	8.707	8.619	8.322	8.725	8.133	8.359	8.640	8.679	8.423	8.315	8.607	8.344	8.673	8.561	8.576	8.584	8.514	8.810	8.566	8.544
1435386	at	RR485732	Mm.223930	Mm.223930	6	9.149	9.995	10.930	10.771	10.938	10.770	3.757	9.725	10.718	10.994	9.771	10.718	10.994	9.771	10.718	10.994	10.718	10.994	10.718	10.994	10.718	10.994	10.718	10.994
1435387	at	Sic2a13	BB191100	Mm.360596	15	5.781	5.792	5.603	5.630	5.884	5.975	5.613	5.692	6.410	6.447	5.792	6.388	6.569	6.040	5.864	5.678	5.488	5.700	5.669	5.594	5.459	5.242	5.664	5.495
1435388	at	Ndc1	BM210177	Mm.400220	2	8.018	7.966	7.823	7.914	7.885	7.788	7.664	8.094	8.107	7.896	7.744	7.977	7.941	7.894	7.669	7.820	8.021	8.033	7.902	7.953	8.081	8.061	7.945	7.801
1435389	at	Reps2	BM899232	Mm.442441	X	5.901	6.416	5.757	6.187	6.213	6.261	6.277	6.117	7.208	7.108	5.899	6.193	6.422	6.626	6.216	6.081	5.914	5.994	6.368	6.076	6.187	6.140	5.806	6.266
1435390	at	Exod1	BG067990	Mm.274160	7	6.566	7.335	6.865	6.839	6.979	7.152	7.023	6.885	7.250	6.716	6.930	6.745	6.875	7.439	7.172	6.796	6.520	6.642	6.967	6.905	6.623	6.712	6.31	6.574
1435391	at	Prr8	BM236842	Mm.304075	5	8.557	8.480	8.740	8.854	8.955	8.818	8.695	8.618	8.818	8.807	8.629	9.107	9.152	8.798	9.030	8.898	8.843	9.027	8.908	8.995	8.683	8.796	8.791	8.660
1435392	at	Wdr17	BB277182	Mm.95281	8	4.351	4.231	4.212	4.135	4.113	4.048	4.196	4.089	4.044	4.027														

1435441	at	Abli2	BB336053	Mm.254446	5	8.187	7.735	8.040	8.039	7.875	7.839	7.865	8.081	7.514	7.724	7.601	7.951	7.693	7.667	7.812	8.012	8.026	8.033	7.951	7.792	8.032	8.188	7.981	7.891	
1435442	at	Wds0f1	BE225838	Mm.321937	15	10.823	11.359	10.857	10.717	10.853	11.096	10.927	10.946	10.912	10.933	10.965	10.893	10.847	11.234	10.886	10.877	10.854	10.920	11.078	10.916	10.755	10.991	10.798	10.846	
1435443	at	Eva3	B4228881	Mm.227733	4	9.473	9.567	9.834	9.740	9.539	9.718	9.438	9.352	9.265	9.351	9.218	9.597	9.436	9.521	9.437	9.859	9.660	9.650	9.717	9.663	9.537	9.527	9.486	9.496	
1435444	at	Att6	AV270913	Mm.377046	1	10.865	10.279	11.121	10.705	10.593	10.474	10.446	10.541	9.769	10.255	10.137	10.364	10.360	10.184	10.315	11.177	10.099	10.249	10.333	10.314	10.367	10.470	10.378	10.618	
1435445	at	Con2	AV237127	Mm.269672	1	8.156	9.090	9.400	8.392	9.579	9.553	9.499	9.943	9.162	9.306	9.832	9.410	9.303	9.121	9.424	9.672	9.884	9.858	9.927	9.399	9.844	9.444	9.181	9.305	
1435446	at	Chp1	BF180247	Mm.288897	10	12.843	12.228	12.905	12.842	12.509	13.010	13.014	12.583	11.607	12.137	12.404	12.406	12.218	12.182	12.618	12.846	12.851	12.844	12.899	12.971	12.926	12.872	13.068	13.094	
1435447	at	Mid	BB539961	Mm.31625	10	4.586	4.409	4.432	4.389	4.401	4.430	4.704	4.370	4.494	4.257	4.490	4.276	4.328	4.395	4.439	4.405	4.486	4.404	4.521	4.592	4.462	4.434	4.324	4.578	
1435448	at	Bcl211	BM120925	Mm.141083	2	9.418	8.891	9.560	9.661	9.298	9.774	9.480	8.862	9.413	9.302	8.945	9.399	9.366	9.342	9.291	9.710	10.319	10.109	10.365	10.092	9.286	9.748	9.335	8.819	
1435449	at	Bcl211	BM120925	Mm.141083	2	6.249	5.982	6.274	6.497	6.082	6.373	6.212	5.933	6.250	6.048	5.541	5.982	6.050	6.069	6.193	6.455	6.913	6.642	6.854	6.662	5.784	6.278	6.060	5.809	
1435450	at	Cpne3	BB398005	Mm.38390	4	10.341	10.601	10.208	10.178	10.417	10.537	10.355	10.058	10.523	10.651	10.225	10.442	10.653	10.526	10.494	10.285	10.184	10.206	10.424	10.369	10.174	10.213	10.245	10.056	
1435451	at	Hbl308	BG068026	Mm.21469	5	6.784	7.406	7.262	7.104	7.308	7.216	7.347	7.180	7.309	7.174	7.216	7.328	7.317	7.172	7.172	7.179	7.132	7.374	7.387	7.469	7.327	7.303	7.324	7.072	
1435452	at	Tmem20	BM211082	Mm.262085	19	7.477	7.328	7.449	7.403	7.469	7.649	7.762	7.490	7.078	7.261	7.384	7.315	7.373	7.625	7.576	7.597	7.558	7.599	7.648	7.776	7.648	7.622	7.724	7.532	
1435453	at	A930011102Rik	AV343709	Mm.194050	14	6.952	6.510	6.932	7.155	7.024	6.957	7.025	7.067	6.769	6.520	7.127	6.953	7.192	7.059	7.193	7.001	6.798	6.939	7.065	7.310	7.106	6.983	7.172	7.130	
1435454	a	Co	BE853170	Mm.315872	2	8.554	8.840	8.715	8.436	8.685	8.636	8.468	8.979	8.657	8.585	8.856	8.574	8.592	8.326	8.597	8.664	8.581	7.906	8.190	8.679	9.080	9.052	8.753	8.952	
1435455	at	C79267	B0031259	Mm.30464	4	7.075	7.583	6.763	6.897	7.288	6.776	7.068	7.599	8.035	7.859	7.750	7.703	7.954	7.439	7.317	6.966	7.413	7.244	7.175	6.985	7.121	7.306	7.122	6.989	
1435456	at	Ttc28	AW552254	Mm.295660	5	8.341	8.722	8.555	8.774	9.049	8.889	8.790	9.984	9.052	9.004	8.656	9.378	9.339	8.762	8.920	8.585	9.088	9.094	8.940	8.803	8.872	9.198	8.680	8.670	
1435457	at	Pdzd4	BE947500	Mm.103782	X	6.507	6.263	6.188	6.488	6.194	6.423	6.334	6.402	6.336	6.323	6.308	6.257	6.352	6.210	6.233	6.399	6.363	6.047	6.317	6.173	6.470	6.318	6.329		
1435458	at	Pim1	A1323550	Mm.328931	17	9.147	9.954	9.071	8.747	8.335	9.057	9.149	8.513	8.799	8.975	10.318	8.659	8.528	9.037	8.909	9.016	8.276	8.800	9.175	8.658	8.557	8.564	8.855	9.005	
1435459	at	Fmo2	BM936480	Mm.105929	1	9.641	8.329	10.070	9.965	9.694	9.963	9.281	8.838	9.129	9.606	8.589	9.866	8.942	8.525	9.833	10.084	9.281	9.424	9.477	9.271	9.968	10.085	9.773	10.081	
1435460	at	Pkta2	BB363186	Mm.2630002	5	7.719	7.447	7.682	7.615	7.523	7.449	7.464	7.641	8.354	7.879	7.369	7.701	7.570	7.695	7.661	7.635	7.606	7.648	7.607	7.574	7.819	7.741	7.698	7.585	
1435461	at	Maq3	BF180812	Mm.264849	3	10.017	10.125	10.427	10.580	10.150	10.684	10.587	9.930	9.716	10.104	10.122	9.824	9.802	10.296	10.134	10.419	10.887	10.715	10.844	10.947	10.315	10.382	10.323	10.033	
1435462	at	Pkcd2	B0171676	Mm.380993	16	6.109	6.526	5.770	5.839	5.953	5.771	6.078	6.426	6.129	6.202	6.425	6.407	6.341	6.669	6.356	5.986	5.679	5.877	5.892	5.624	5.949	5.869	5.788	5.999	
1435463	s	at	Myo1d	C76327	Mm.151948	11	8.188	8.847	8.096	8.465	8.880	8.478	7.977	8.842	8.948	9.339	8.948	9.477	7.604	8.828	8.999	8.054	8.419	8.366	8.014	8.035	8.327	8.621	7.199	7.858
1435464	at	1110003E01Rik	BB701294	Mm.10709	5	9.366	9.319	9.598	9.558	9.986	9.946	9.739	9.678	9.238	9.435	9.044	9.964	10.008	9.242	9.805	9.603	10.078	9.989	10.052	9.962	9.639	9.964	9.380	9.647	
1435465	at	Kbtbd11	AW049906	Mm.46675	8	8.299	8.664	8.364	8.556	8.732	8.670	8.546	8.176	8.785	8.845	8.367	8.588	8.573	8.727	8.610	8.344	8.365	8.257	8.293	8.364	8.302	8.485	7.980	7.904	
1435466	at	Sarm1	B0175571	Mm.210332	11	7.472	7.019	7.115	7.316	7.190	7.074	7.312	7.241	7.309	7.098	7.262	7.109	7.291	7.369	7.113	7.341	7.296	7.103	7.226	7.316	7.215	7.179	7.270	7.164	
1435467	at	Fgfr3	BM936483	Mm.105929	17	8.152	7.907	7.408	8.192	7.914	7.911	8.147	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124	7.887	8.124
1435468	at	Antg9	BB547181	Mm.275687	8	7.472	8.088	7.767	7.548	7.196	7.197	7.783	7.698	8.039	7.553	7.733	8.402	8.667	7.322	8.092	7.586	7.567	8.111	5.500	7.217	7.207	7.073	7.407	7.073	
1435469	at	Qsox2	BM237031	Mm.116769	2	8.856	8.903	9.381	9.314	8.777	9.181	8.824	8.396	8.446	8.818	8.435	8.573	8.460	8.833	8.692	9.425	9.394	9.526	9.776	9.336	9.038	9.193	9.186	9.141	
1435470	at	LOC547150	BT736050	Mm.440042	8	8.563	8.336	8.659	8.715	8.525	8.670	8.565	8.470	8.418	8.521	8.464	8.265	8.339	8.101	8.485	8.681	8.722	8.751	8.658	8.870	8.587	8.811	8.649	8.634	
1435471	at	Zfp708	BE994129	Mm.458849	13	4.396	4.466	4.539	4.956	4.745	5.019	4.577	4.659	4.599	4.740	4.496	4.772	4.520	4.596	4.673	4.929	4.738	4.537	4.901	4.622	4.802	4.679	4.803	4.673	
1435472	at	Kremen1	BG069617	Mm.209989	11	10.427	10.392	10.332	10.468	10.714	10.129	10.376	11.092	10.233	10.199	10.948	10.835	10.430	10.343	10.356	10.307	10.293	10.602	10.144	9.987	10.336	10.239	10.034	10.258	
1435473	at	Gm347	AV271807	Mm.330095	2	7.904	7.528	7.921	8.125	7.805	7.863	7.958	7.662	7.046	7.383	7.445	7.641	7.801	7.522	7.761	8.062	7.941	8.023	7.993	8.338	7.886	7.954	8.120	7.943	
1435474	at	Taf5	AV117817	Mm.301522	19	7.412	7.555	7.433	7.646	7.630	7.811	7.412	7.416	7.594	7.388	7.839	7.566	7.366	7.568	7.645	7.601	7.441	7.521	7.526	7.347	7.620	7.862	7.565	7.530	
1435475	at	Wdr26	B0069234	Mm.281395	1	10.188	10.024	9.925	10.102	9.970	9.945	9.904	9.733	9.991	10.027	10.087	9.935	7.930	10.196	9.891	10.328	10.363	10.436	10.354	10.246	10.394	10.192	10.095	10.104	
1435476	a	at	Fcar2b	BM224327	4	10.539	10.551	10.241	10.436	10.559	10.386	10.309	10.276	11.166	10.732	10.835	10.316	10.672	10.888	10.352	10.365	9.992	9.827	10.153	10.123	10.177	10.062	10.378	10.126	
1435477	s	at	Fcar2b	BM224327	1	9.139	9.951	8.790	8.868	9.221	9.149	8.936	8.648	10.679	10.223	9.911	9.303	9.830	10.137	9.264	8.880	8.105	7.967	8.101	7.965	8.503	8.722	8.255	8.180	
1435478	at	Wdr26	BM249707	Mm.289082	1	11.034	10.788	11.120	11.061	11.128	11.282	11.054	10.631	10.570	11.015	10.993	11.038	11.060	11.005	11.304	11.160	10.749	10.860	11.208	11.208	10.862	10.961	11.173	11.243	
1435479	at	Nat	BM054576	NA	NA	8.321	7.938	8.122	8.308	8.165	8.088	8.058	8.182	8.001	7.905	8.177	8.090	7.976	8.101	7.958	8.162	8.408	8.013	8.130	8.232	8.226	8.234	8.258	8.123	
1435480	at	Nat	BG064099	NA	NA	8.285	8.103	8.372	8.265	8.214	8.396	8.212	8.092	8.161	8.366	7.992	8.294	8.352	8.320	8.347	8.363	8.126	8.345	8.273	8.160	8.311	8.348	8.203	8.203	
1435481	at	Zfp653	BM194940	Mm.347707	9	7																								

1435530	at	Camsap1	BG064669	Mm.36834	2	8.462	8.731	8.455	8.485	8.601	8.352	8.298	8.644	8.651	8.883	8.902	8.581	8.467	8.563	8.863	8.473	8.230	8.252	8.306	8.080	8.396	8.601	8.414	8.600	
1435531	at	Usop3	BM233265	Mm.38976	9	7.982	7.968	8.210	8.013	7.988	7.980	7.885	7.917	8.110	8.131	7.804	8.093	7.986	7.961	7.927	8.100	8.183	7.813	7.904	7.899	7.881	7.980	7.864	8.065	
1435532	at	4933426K21Rik	AV271892	Mm.277939	6	3.713	3.732	3.723	3.660	3.614	3.743	3.808	3.735	3.723	3.856	3.666	3.619	3.552	3.788	3.740	3.740	3.668	3.682	3.709	3.944	3.747	3.493	3.635	3.733	
1435533	s at	423462K21Rik	AV271892	Mm.277939	6	7.992	7.785	7.773	7.778	7.870	7.816	7.786	7.785	7.833	7.844	7.761	7.795	7.754	7.787	7.730	7.782	7.778	7.991	7.819	7.926	7.820	7.826	7.768	7.790	
1435534	s at	OTTMUSG000000	BE221897	Mm.6932	2	10.259	10.469	10.116	9.855	9.756	9.829	9.813	10.333	10.181	9.888	10.115	9.934	8.744	10.141	9.824	10.032	10.195	9.820	9.853	9.539	10.147	10.297	9.862	9.854	
1435535	at	Depd05	AW550473	Mm.439888	5	7.402	7.211	7.243	7.269	7.449	7.318	7.307	7.604	7.330	7.254	7.301	7.350	7.229	7.325	7.305	7.404	7.724	7.495	7.329	7.456	7.662	7.680	7.338	7.486	
1435536	at	Rsc1a1	BE137091	Mm.441022	4	9.777	9.548	9.854	9.723	9.944	9.843	9.545	9.653	9.815	9.876	9.724	10.009	9.933	9.499	10.031	9.794	9.971	9.858	9.749	9.633	10.000	10.114	9.927	9.862	
1435537	at	Ptprd	BB075247	Mm.146764	4	8.400	8.195	8.451	8.078	8.272	8.508	8.386	7.797	7.832	8.037	7.827	7.853	8.156	7.509	8.315	8.308	8.211	8.182	8.635	8.069	8.200	8.228	8.325	8.158	
1435538	at	0610030E20Rik	BE553868	Mm.527111	6	9.626	9.735	9.836	9.777	9.938	9.918	9.821	9.415	9.704	9.805	9.504	9.829	9.723	9.703	9.746	9.723	9.496	9.648	9.638	9.734	9.599	9.717	9.792	9.690	
1435539	at	NA	BE947966	NA	NA	6.559	6.579	6.259	6.493	6.576	6.456	6.413	6.679	6.698	6.489	6.455	6.612	6.710	6.703	6.234	6.184	6.494	6.611	6.357	6.564	6.431	6.537	6.617	6.461	
1435540	at	Irrq	BM116550	Mm.41108	7	9.330	9.764	9.511	9.520	9.593	9.511	9.547	9.336	9.499	9.695	9.234	9.255	9.592	9.587	9.373	9.516	9.384	9.615	9.641	9.583	9.349	9.385	9.426	9.358	
1435541	at	Btc	BT231340	Mm.2024	5	7.305	7.194	7.505	7.239	7.043	7.131	7.262	7.266	7.328	7.547	8.005	7.131	7.113	7.394	7.299	7.342	6.970	7.049	7.179	7.359	7.137	7.009	7.222	7.173	
1435542	s at	Cttbn2nl	BB231897	Mm.200327	3	10.510	10.828	10.353	10.341	10.712	10.294	10.182	10.401	11.026	11.362	10.733	10.868	10.891	10.737	10.780	10.306	9.847	9.940	9.968	9.931	9.932	9.889	10.405	10.400	
1435543	at	Alc	BM124893	Mm.384171	18	9.499	9.509	9.644	9.520	9.646	9.712	9.682	9.539	9.244	9.721	9.331	9.741	9.732	9.428	9.692	9.595	9.377	9.570	9.751	9.705	9.463	9.648	9.584	9.860	
1435544	at	Exosc6	B8446614	Mm.24174	8	8.869	8.902	8.826	8.886	9.178	8.892	8.851	9.035	9.588	9.336	9.199	9.161	9.293	9.492	9.083	8.780	8.988	9.080	8.883	8.771	8.907	8.993	8.792	8.813	
1435545	at	BC032203	BB242234	Mm.37642	17	6.572	6.619	6.656	6.716	6.606	6.694	6.610	6.757	6.530	6.853	6.418	6.935	6.871	6.512	6.850	6.724	6.862	6.834	6.731	6.522	6.996	6.898	6.624	7.009	
1435546	a at	1810013L24Rik	BM227762	Mm.390868	16	10.391	10.408	10.427	10.200	10.342	10.394	10.363	10.475	10.290	10.604	10.290	10.473	10.396	10.314	10.568	10.375	10.437	10.476	10.563	10.459	10.549	10.676	10.864	10.692	
1435547	at	ENSMUSG000000	B0175722	Mm.392295	16	10.886	10.607	10.655	10.786	11.210	10.870	10.853	11.075	10.927	10.899	10.698	11.043	11.070	10.906	10.965	10.835	11.012	10.983	10.903	10.868	11.171	11.561	10.999	11.103	
1435548	at	Mrs2	BB015377	Mm.387097	13	8.468	8.747	8.299	8.115	8.432	8.227	8.271	8.730	8.729	8.671	8.515	8.606	8.357	8.376	8.205	8.146	8.468	8.418	8.380	8.250	8.417	8.495	8.146	8.283	
1435549	at	Trpm4	BI685685	Mm.439890	7	8.022	7.944	8.086	8.267	8.119	8.108	7.943	7.970	8.145	7.941	7.939	7.984	7.977	7.983	7.945	8.068	8.246	8.456	8.356	8.287	8.242	8.163	8.092	8.173	
1435550	at	C4300141K1Rik	BB702910	Mm.431513	15	9.976	9.858	10.133	10.130	10.050	10.214	10.263	9.641	9.583	9.647	9.984	9.961	9.798	10.012	10.067	10.120	9.836	10.041	9.943	10.073	9.939	9.918	10.180	10.259	
1435551	at	Fhd03	BG064691	Mm.329322	18	12.518	12.227	12.716	12.567	12.474	12.444	12.225	12.388	12.004	12.352	12.153	12.385	12.092	11.856	12.191	12.866	12.834	12.569	12.585	12.552	12.690	12.917	12.581	12.598	
1435552	at	Out07b	AV276474	Mm.272336	3	8.952	8.910	9.139	8.922	9.015	9.026	9.055	8.931	8.867	9.195	9.205	9.036	9.128	8.958	9.310	9.093	9.038	8.879	9.199	9.139	8.952	9.026	9.148	9.234	
1435553	at	Pd2d2	AV376136	Mm.423205	15	9.359	8.712	9.872	9.559	9.102	9.365	9.142	8.777	8.410	8.952	9.000	9.313	8.821	8.711	8.912	10.021	9.608	9.545	9.553	9.479	9.381	9.445	9.448	9.355	
1435554	at	Tmc3	BB771888	Mm.23047	10	10.993	10.354	10.952	10.836	10.962	10.858	10.817	10.607	10.415	10.552	10.708	10.964	10.932	10.455	10.915	10.907	10.899	10.891	10.809	10.901	11.038	11.343	11.341	11.092	
1435555	at	NA	AW552088	NA	NA	7.709	7.548	7.777	7.856	7.881	7.905	7.883	7.715	7.755	7.827	7.751	7.651	7.836	7.764	7.834	7.840	7.995	8.005	8.082	7.960	7.761	7.798	7.761	7.795	
1435556	at	Zfp597	AV270897	Mm.37729	16	7.885	7.872	7.832	7.827	7.897	7.833	7.813	7.723	7.794	7.838	7.793	7.838	7.793	7.838	7.793	7.838	7.793	7.838	7.793	7.838	7.793	7.838	7.793	7.838	
1435557	at	NA	AV298005	Mm.87794	8	7.838	8.400	8.377	8.023	7.777	7.814	7.821	6.695	8.682	294	7.838	8.404	8.172	8.617	7.496	8.165	7.999	8.347	8.166	7.999	8.347	8.166	7.999	8.347	
1435558	at	Bai2	BB351248	Mm.262241	4	6.236	5.886	6.082	6.198	6.206	6.226	6.180	6.270	6.269	6.183	6.316	6.386	6.195	6.078	6.250	6.212	6.070	6.166	6.163	6.604	6.207	5.980	6.211	6.492	
1435559	at	Myo2	BB200233	Mm.4040	9	7.487	7.398	7.687	7.917	7.602	7.737	7.824	7.593	7.281	7.360	7.383	7.634	8.015	7.409	7.781	7.787	7.584	7.777	7.978	7.962	7.587	7.756	7.298	7.577	
1435560	at	Itgal	BI544446	Mm.1618	7	6.754	6.761	6.491	6.797	6.480	6.822	7.531	6.320	6.444	6.164	6.590	6.310	6.438	7.178	6.248	6.721	6.348	6.288	6.377	6.415	6.407	6.256	6.690	6.583	
1435561	at	Err	BB453521	Mm.8068	7	8.677	8.593	8.369	8.515	8.780	8.310	8.538	8.908	8.642	8.780	8.684	8.664	8.797	8.435	8.680	8.529	8.445	8.543	8.361	8.480	8.591	8.502	8.531	8.554	
1435562	at	Pdz8	BB795209	Mm.268797	19	7.441	7.460	7.619	7.276	7.330	7.156	7.231	7.082	7.187	7.376	6.982	7.411	7.356	7.006	7.263	7.306	7.056	7.303	7.355	7.503	7.369	7.117	7.269	7.558	
1435563	at	Mrs05	BB759618	Mm.274601	2	6.948	6.713	6.843	6.675	6.956	6.709	6.771	6.647	6.691	6.821	6.749	6.752	6.561	6.832	6.699	6.787	6.764	6.779	6.817	6.800	6.875	6.607	6.785	6.718	
1435564	at	C23078M08Rik	BB309593	Mm.133211	17	6.074	7.124	7.013	7.125	7.255	7.087	7.329	7.329	7.075	7.592	7.998	7.095	7.398	7.098	7.045	7.045	7.045	7.045	7.045	7.045	7.045	7.045	7.045	7.045	
1435565	at	NA	BM219187	NA	NA	7.584	7.563	7.492	7.570	7.730	7.725	7.468	7.941	7.586	7.637	7.535	7.819	7.758	7.364	7.659	7.484	7.946	7.822	7.638	7.539	7.686	8.020	7.613	7.586	
1435566	s at	Araf	BG228947	Mm.220946	X	10.069	9.694	10.037	10.099	9.934	10.104	9.994	9.744	9.621	9.854	9.767	9.964	9.933	9.716	10.039	10.089	10.233	10.211	10.209	10.149	10.084	9.830	10.117	10.139	
1435567	at	Phk1a1	AI504378	Mm.141197	X	10.682	10.021	11.178	10.089	10.041	10.036	10.322	10.072	9.732	10.184	10.203	9.858	9.612	9.553	9.734	11.252	9.767	10.013	10.139	9.789	9.728	10.071	10.122	10.220	
1435568	at	Tlct3	AW545855	Mm.277964	13	8.585	9.106	8.792	8.486	8.581	8.676	8.655	8.637	9.009	9.060	8.893	8.773	8.629	9.042	8.663	8.601	8.451	8.539	8.701	8.423	8.317	8.448	8.871	8.704	
1435569	at	D630029K05Rik	BB500602	Mm.27138	10	4.300	4.043	4.338	4.322	4.206	4.421	4.379	4.359	4.180	4.241	4.340	4.366	4.259	4.314	4.427	4.253	4.427	4.463	4.251	4.486	4.291	4.326	4.416	4.603	
1435570	s at	D630029K05Rik	BB500602	Mm.27138	10																									

1435619	at	Phf21a	BM119444	Mm.330408	2	8.259	8.014	8.372	8.336	8.355	8.259	8.176	8.191	8.377	8.389	8.256	8.403	8.417	8.282	8.246	8.272	8.210	8.313	8.371	8.343	8.133	8.039	8.234	8.215	
1435620	at	Pfdn2	BB758150	Mm.107556	1	8.952	8.904	8.868	8.908	8.848	8.987	9.024	8.953	8.581	8.714	8.705	8.769	8.666	8.649	8.837	8.880	8.984	8.956	8.946	8.871	9.063	8.971	8.932	8.975	
1435621	at	Far2	BO175346	Mm.475174	6	4.325	4.222	4.300	4.325	4.183	4.338	4.508	4.193	4.079	4.103	4.124	4.117	4.107	4.238	4.106	4.289	4.428	4.180	4.112	4.372	4.212	4.225	4.277	4.379	
1435622	at	HS3et3a1	AV340499	Mm.340214	11	6.974	6.876	7.027	6.965	6.997	6.888	6.917	6.998	6.809	6.780	6.967	6.872	6.941	6.738	6.826	6.971	6.248	6.883	6.995	6.834	7.064	7.022	6.876	6.906	
1435623	at	Rnf12	BB334927	Mm.270042	5	6.122	6.279	6.146	6.260	6.329	6.303	6.363	6.416	6.131	6.227	6.297	6.233	6.044	6.312	6.489	6.240	6.357	6.500	6.330	6.274	6.230	6.208	6.326	6.450	
1435624	at	AV345336	AV345336	Mm.255986	4	4.870	4.661	4.769	5.035	4.690	4.717	4.765	4.850	4.648	4.737	4.868	4.642	4.722	4.680	4.566	4.722	4.632	4.480	4.862	4.737	4.802	4.897	4.693	4.693	
1435625	at	Entpd2	BG064768	Mm.248237	19	6.649	6.862	6.500	6.297	6.194	6.224	6.436	6.500	6.688	6.936	6.166	6.226	6.470	6.597	6.452	6.299	6.125	6.153	6.408	6.180	6.282	6.175	6.420	6.267	
1435626	at	Herpud1	AI835088	Mm.29151	8	11.925	10.756	11.790	11.512	11.122	11.400	10.982	11.068	10.808	11.317	10.782	11.310	11.151	10.653	11.751	11.783	11.280	11.340	11.186	11.537	12.097	11.890	12.187	12.297	
1435627	x at	Marcks1	AV215438	Mm.424974	4	8.888	9.439	8.610	8.600	9.198	8.747	8.828	8.781	10.379	9.916	10.564	9.526	9.541	9.480	9.389	8.679	8.217	8.340	8.397	8.357	8.608	8.503	8.911	8.838	
1435628	x at	BC005512	AW763751	Mm.425872	14	4.657	4.637	4.672	4.907	4.845	4.931	5.029	5.012	4.842	4.781	4.497	4.649	4.630	4.746	4.741	4.562	4.671	4.532	4.632	4.776	4.718	4.785	4.859	4.872	
1435629	at	NA	AI839852	NA	NA	5.445	5.539	5.243	5.635	5.357	5.706	5.392	5.342	5.375	5.163	5.449	5.440	5.517	5.274	5.405	5.321	5.166	5.385	5.367	5.705	5.399	5.298	5.188	5.274	
1435630	s at	Acat2	AV148646	Mm.439711	17	9.298	9.148	9.312	9.387	9.332	9.716	9.396	8.897	9.065	9.020	8.870	9.163	9.027	9.314	9.353	9.335	9.347	9.581	9.725	9.697	9.415	9.244	9.353	9.350	
1435631	x at	Sh3otb1	AV005520	Mm.271775	3	10.560	10.434	10.570	10.538	10.794	10.520	10.478	10.675	10.405	10.593	10.444	10.840	10.938	10.154	10.638	10.112	10.957	10.794	10.715	10.601	10.907	11.020	10.635	10.582	
1435632	at	Nufp2	AV112972	Mm.428996	11	8.888	9.047	9.008	8.916	9.043	9.225	9.103	8.774	8.767	9.152	8.822	8.928	8.905	8.883	9.115	8.964	8.680	8.780	9.009	9.040	9.009	8.967	8.989	9.174	
1435633	at	Pwmp2a	AV338080	Mm.397449	11	7.608	7.689	7.820	7.613	7.774	7.816	7.650	7.480	7.474	7.810	7.660	7.716	7.630	7.471	7.776	7.769	7.639	7.795	7.829	7.843	7.514	7.665	7.688	7.764	
1435634	at	Pcmtd1	BB549335	Mm.21539	1	10.175	9.578	10.388	10.244	9.998	10.276	10.255	10.010	9.514	9.852	9.395	9.935	9.728	9.545	10.058	10.448	10.301	10.138	10.179	10.329	10.318	10.388	10.424	10.468	
1435635	at	Pcmtd1	BB549335	Mm.21539	1	7.633	7.336	7.686	7.838	7.381	7.695	7.534	7.317	6.938	7.260	7.019	7.386	7.159	7.021	7.362	7.583	7.680	7.506	7.880	7.772	7.551	7.473	7.788	7.909	
1435636	at	P2310051F07Rk	AI415636	Mm.23095	15	8.456	8.435	8.596	8.640	8.457	8.690	8.524	7.947	8.269	8.596	8.063	8.065	8.313	8.555	8.484	8.716	8.037	8.284	8.444	8.524	8.196	7.748	8.660	8.762	
1435637	at	Itf10	AVW554709	Mm.334685	8	9.296	9.065	9.720	9.184	9.126	9.253	8.923	8.573	8.931	9.320	8.494	9.147	9.153	8.934	9.190	9.770	9.206	9.144	9.431	9.310	9.033	9.169	9.241	9.260	
1435638	at	913022112Rk	BG080297	Mm.294664	7	11.030	11.045	11.012	10.927	10.954	10.993	11.067	10.858	11.009	11.030	10.956	11.003	10.897	11.038	10.912	11.078	11.009	11.058	10.910	11.014	10.949	10.966	11.151	10.944	
1435639	at	BFS0528A11Rk	BF580962	Mm.271619	4	5.936	5.456	5.713	5.764	5.857	5.787	5.691	5.777	5.692	5.567	5.744	5.664	5.407	5.521	5.737	5.576	5.848	5.786	5.911	6.039	5.775	5.761	5.881	5.978	
1435640	x at	AI330040M12Rk	BE634869	NA	11	8.901	8.494	8.587	8.292	8.133	7.955	8.074	8.537	8.531	8.754	8.430	8.153	7.940	8.309	8.364	8.582	7.320	7.746	8.001	7.410	8.081	8.235	8.359	8.638	
1435641	at	Moa4a	BB109391	Mm.25861	1	8.832	8.951	8.494	8.536	9.025	8.751	8.513	8.875	8.700	8.622	9.128	8.568	8.633	8.643	8.576	8.509	8.358	8.294	8.101	8.232	8.536	8.674	8.894	8.579	
1435642	at	Prr18	BB081437	Mm.442510	17	7.253	6.952	7.007	7.064	7.099	7.734	7.015	7.076	7.150	7.119	7.258	6.917	7.083	7.166	7.135	7.094	7.012	7.060	7.165	7.286	7.065	6.962	7.240	7.066	
1435643	x at	Ubb	BO042894	Mm.282093	11	14.644	14.560	14.591	14.603	14.730	14.563	14.469	14.679	14.720	14.639	14.258	14.837	14.844	14.662	14.741	14.569	14.724	14.606	14.560	14.544	14.670	14.774	14.556	14.458	
1435644	at	Sh3sqd2b	BM234316	Mm.227616	11	8.920	8.876	8.695	8.849	8.943	8.903	8.876	8.844	10.276	9.944	10.155	9.408	9.750	9.870	9.316	8.832	8.259	8.355	8.506	8.363	8.234	8.470	9.247	8.830	
1435645	at	Ikbnk	Mm.427435	X	11	10.265	10.202	10.275	10.244	10.397	10.449	10.387	9.917	9.269	9.468	9.321	9.469	9.123	9.361	9.993	10.261	10.255	10.284	10.931	10.269	10.318	10.161	10.326	10.450	
1435646	at	Ikbnk	BB821293	Mm.12967	X	8.178	8.348	8.427	8.255	8.005	8.370	8.155	7.501	8.085	8.113	8.905	8.112	8.175	8.343	8.287	8.446	8.782	7.769	7.869	7.869	7.556	8.229	8.400		
1435647	at	Ikbnk	BB821318	Mm.12967	X	8.765	8.548	8.764	8.469	8.501	8.649	8.793	8.259	8.567	8.627	8.579	8.430	8.544	8.605	8.566	8.753	8.323	8.584	8.632	8.804	8.680	8.272	8.801	8.950	
1435648	at	Lrrn4	BB325766	Mm.386903	2	4.776	4.634	4.639	4.836	4.670	4.887	5.182	4.609	4.723	4.969	4.719	4.664	4.914	4.523	4.643	4.550	4.587	4.943	4.735	4.703	4.546	4.689	4.817	4.668	
1435649	at	Nexn	BM225804	Mm.200188	3	13.156	12.408	13.084	12.888	12.803	12.821	12.969	12.878	12.246	12.807	12.633	12.879	12.740	12.512	13.016	13.013	12.848	12.612	12.596	12.715	12.864	12.982	12.959	13.086	
1435650	at	Hapln4	BB082407	Mm.152048	8	7.212	7.296	7.222	7.360	7.161	6.997	7.265	7.378	7.627	7.129	7.263	7.304	7.217	7.268	7.227	7.310	7.172	7.090	7.255	7.287	7.296	7.124	6.966	7.213	
1435651	at	Smarcad1	BM005692	Mm.99113	6	8.466	8.400	8.464	8.203	8.375	8.409	8.403	8.455	8.377	8.278	8.341	8.504	8.385	8.358	8.446	8.220	8.363	8.448	8.432	8.349	8.299	8.422	8.251	8.338	
1435652	at	Gna2	BF228116	Mm.196464	9	12.628	13.118	12.489	12.725	12.946	12.524	12.465	12.785	13.139	13.031	13.022	13.017	13.020	12.968	12.749	12.484	12.522	12.462	12.361	12.174	12.126	12.463	12.607	12.356	12.218
1435653	at	Gna2	BF228116	Mm.196464	NA	10.768	11.300	10.927	11.125	11.357	10.917	11.091	10.598	10.106	11.030	10.950	11.502	11.517	11.227	11.547	10.818	10.305	10.624	10.973	10.946	10.544	10.936	10.446	10.585	
1435654	at	Cdc14	AV173207	Mm.272045	16	7.911	7.701	7.897	7.819	7.764	7.666	7.784	7.946	7.823	7.699	7.787	7.503	7.794	7.890	7.791	7.957	7.874	7.876	7.838	7.947	7.802	7.693	7.823	7.771	
1435655	at	Rpl12	BG080790	Mm.250030	2	8.426	8.552	9.224	8.112	8.146	8.117	8.060	7.772	8.204	7.882	8.769	7.678	7.752	8.145	7.886	7.868	7.697	7.817	7.642	7.733	7.762	7.397	8.214	7.750	
1435656	at	Gmps	AV122571	Mm.331051	3	8.198	7.917	8.575	8.331	8.002	8.359	8.150	7.665	7.193	7.901	7.761	7.831	7.603	7.760	7.868	8.621	8.097	8.204	8.344	8.306	7.823	8.029	8.242	8.266	
1435657	at	NA	BO174439	NA	NA	6.087	5.916	6.357	6.362	6.198	6.057	5.996	6.149	6.285	6.224	6.168	6.031	6.223	6.314	6.183	6.294	6.418	6.078	6.177	6.153	6.090	6.063	5.918	6.038	
1435658	at	Zst27a1	AI156620	Mm.38165	8	9.720	9.331	9.596	9.708	9.738	9.984	9.632	8.709	8.897	9.015	8.781	8.894	8.741	8.911	9.517	9.659	9.808	10.248	10.103	9.618	9.719	11.068	10.966	9.996	
1435659	at	Tol1	AA153477</																											

1435708	at	NA	BB355415	NA	NA	5.738	5.834	6.086	5.597	6.211	6.247	5.783	5.690	6.257	6.677	6.042	6.544	6.791	6.033	6.562	6.014	5.710	5.947	6.034	5.750	5.859	6.013	6.063	6.160	
1435709	at	Ssr4	AW556006	Mm.831	X	8.442	8.272	8.313	8.300	8.400	8.323	8.359	8.313	8.453	8.376	8.423	8.204	8.345	8.243	8.281	8.357	8.210	8.294	8.361	8.345	8.384	8.270	8.327	8.209	
1435710	at	AI661384	BB034038	Mm.426458	18	4.536	4.469	4.252	4.557	4.491	4.641	4.713	4.214	4.342	4.228	4.481	4.380	4.427	4.404	4.146	4.309	4.601	4.560	4.545	4.634	4.527	4.512	4.288	4.438	
1435711	at	AI480526	BB432317	Mm.458764	5	8.563	8.354	8.538	8.896	8.775	8.667	8.573	8.633	8.561	8.628	8.286	8.687	8.885	8.510	8.644	8.702	9.100	9.095	8.929	8.932	9.032	8.938	8.896	8.652	
1435712	a	at	LOC10042388	AW907444	13	13.331	14.003	9.006	13.244	13.407	13.196	13.249	13.852	14.141	13.615	13.507	13.801	13.630	13.745	13.126	12.945	13.254	13.195	13.664	13.786	13.254	13.195	13.886	13.121	
1435713	at	MetH2	BB176566	Mm.270091	1	6.038	5.882	5.934	5.942	5.882	5.830	5.776	5.987	5.988	5.885	6.023	5.870	5.838	5.712	5.851	5.890	5.832	5.629	5.739	5.970	5.881	5.679	5.737	5.918	
1435714	x	at	ILH7d	BB809808	Mm.390726	14	5.010	4.950	4.893	5.021	5.337	5.289	5.410	5.527	5.169	5.086	5.009	5.780	5.400	4.857	5.363	4.850	5.387	5.207	5.059	5.130	5.512	5.771	5.224	
1435715	x	at	ENSMUSG000000	BF318654	Mm.284252	10	10.443	11.086	10.391	10.355	10.549	10.439	10.561	10.453	10.921	10.825	10.777	10.374	10.490	10.896	10.559	10.276	10.213	10.391	10.498	10.330	10.413	10.383	10.436	
1435716	x	at	Snrpn	AI836293	Mm.274995	7	12.433	11.615	12.804	12.178	11.596	11.696	11.885	11.758	11.253	11.448	11.738	11.494	11.098	11.104	11.601	12.796	11.471	11.704	11.707	11.697	11.619	11.476	11.521	
1435717	at	AB432428C12Rik	AV250971	Mm.34550	3	8.508	8.835	8.582	8.549	9.147	8.807	8.755	8.712	9.346	9.176	8.786	9.048	9.117	9.159	9.147	8.653	8.720	8.823	8.964	8.810	8.481	8.758	8.551	8.655	
1435718	at	Apb32	BO176274	Mm.220173	7	8.369	8.079	8.158	8.536	9.325	8.299	8.254	8.375	8.129	8.156	8.811	8.714	8.354	8.314	8.174	8.223	8.554	8.870	8.572	8.611	8.658	8.697	8.466	8.340	
1435719	at	AI448984	BM955216	Mm.399624	4	8.088	7.751	7.929	7.964	8.116	8.078	7.998	7.882	7.606	7.954	7.725	8.107	8.145	7.947	7.963	8.063	8.376	8.530	8.581	8.330	8.119	8.587	7.895	8.169	
1435720	at	Kcnq3	AW045978	Mm.44530	3	9.086	8.565	9.070	8.872	8.819	8.810	8.891	8.635	7.869	8.560	8.128	8.585	8.619	8.376	8.506	8.917	8.864	8.998	8.700	8.768	8.759	8.693	8.737	9.021	
1435721	at	Kcnq4	BE956674	Mm.249977	4	7.578	7.174	7.315	7.444	7.361	7.367	7.512	7.506	7.218	7.259	7.212	7.329	7.262	7.246	7.277	7.290	7.331	7.492	7.386	7.342	7.504	7.737	7.328	7.390	
1435722	at	Gria4	BB130399	Mm.209263	9	6.294	6.305	6.505	6.389	6.258	6.374	6.518	6.404	6.490	6.060	6.393	6.012	6.181	6.225	6.531	6.375	6.514	6.451	6.396	6.566	6.458	6.421	6.459	6.584	
1435723	at	ENSMUSG000000	BB039336	Mm.174191	13	5.906	6.270	6.240	6.344	6.094	6.288	6.306	6.271	6.308	6.362	5.879	6.066	6.337	6.604	6.335	6.130	6.685	6.372	6.417	6.436	5.980	6.269	5.976	5.825	
1435724	at	4933400N17Rik	AV278248	Mm.334107	1	4.920	4.721	4.966	4.798	4.795	4.710	4.841	5.007	4.837	4.693	4.786	4.900	4.702	4.854	4.535	4.912	4.825	4.838	4.817	4.795	4.986	4.836	4.934	4.899	
1435725	x	at	Rpl12	C77643	Mm.250030	2	12.626	13.046	12.400	12.501	12.688	12.642	12.565	12.904	13.263	12.999	12.806	12.763	12.882	13.065	12.587	12.317	12.756	12.657	12.497	12.485	12.722	12.794	12.420	
1435726	at	Lima1	C81400	Mm.33207	15	4.669	4.444	4.518	4.521	4.503	4.656	4.589	4.605	4.505	4.597	4.599	4.577	4.530	4.662	4.428	4.378	4.554	4.719	4.244	4.232	4.699	4.605	4.594	4.680	
1435727	s	at	C91400	Mm.33207	15	8.916	9.060	8.595	8.933	9.034	8.645	8.603	9.032	9.389	9.228	9.119	9.292	9.207	8.913	8.985	8.504	8.499	8.541	8.509	8.395	8.792	8.832	8.690	8.818	
1435728	at	Tvv3	AW457809	Mm.347513	3	6.698	6.651	6.788	6.899	6.423	6.617	6.801	6.760	6.386	6.347	6.782	6.614	6.345	6.566	6.506	6.826	6.829	6.910	6.578	6.825	6.837	6.857	6.771	6.919	
1435729	at	Maobipb	AW448849	Mm.41680	3	7.550	7.405	7.499	7.356	7.229	7.259	7.635	7.453	7.363	7.137	7.356	7.295	7.037	7.190	7.226	7.459	7.951	7.769	7.459	7.699	7.736	7.848	7.580	7.434	
1435730	at	D930026N18Rik	BM118190	Mm.41628	6	10.172	9.452	10.183	10.160	10.356	9.782	9.902	9.869	9.022	9.401	9.058	10.069	9.833	9.041	9.723	10.244	10.312	9.935	9.773	9.631	10.048	10.326	9.880	9.728	
1435731	x	at	Pdx4	AV139803	Mm.247542	X	9.059	9.432	9.171	9.131	9.212	9.147	9.158	9.365	9.730	9.679	9.292	9.256	9.401	9.424	9.210	8.980	9.054	9.110	9.251	8.915	9.216	9.285	9.933	
1435732	x	at	Atp6v0c-ps2	AV172216	NA	6	12.899	13.142	12.913	12.870	12.932	12.909	12.962	12.812	13.120	13.114	12.957	12.974	12.855	13.120	12.869	12.913	12.708	12.848	12.912	12.735	12.722	12.743	12.914	12.743
1435733	x	at	Rnaseh2c	AI646809	Mm.246200	9	8.755	9.230	8.566	8.701	8.892	8.693	8.717	9.092	8.906	8.759	8.677	9.082	8.880	8.623	8.683	8.301	9.218	8.990	8.681	8.509	9.011	9.313	8.525	
1435734	x	at	Dus1h	BM138022	11	8.394	8.308	8.308	8.308	8.738	8.308	8.308	8.308	8.250	8.365	8.375	8.250	8.365	8.145	8.329	8.146	8.164	8.276	8.164	8.276	8.164	8.276	8.164	8.276	
1435735	at	H9735	BB285733	Mm.285733	14	9.735	10.189	9.862	9.471	9.545	9.495	9.615	9.658	10.023	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	9.432	
1435736	x	at	Rab14	AV255856	Mm.30191	15	7.216	7.496	6.751	7.216	6.991	6.825	6.999	7.694	7.211	7.330	6.997	7.604	7.339	6.777	6.823	6.680	7.225	7.183	7.034	6.785	7.302	7.482	6.489	
1435737	a	at	Nde1	BO032232	Mm.24105	16	9.066	9.399	9.092	8.893	8.974	8.964	8.792	8.903	9.089	9.303	8.978	8.925	8.840	9.013	9.054	8.905	8.720	8.971	8.990	8.930	8.968	8.996	8.977	
1435738	x	at	Serf2	AA271358	Mm.262252	2	13.102	13.450	12.992	13.081	13.613	13.075	13.112	13.328	13.794	13.545	13.306	13.834	13.816	13.407	13.328	12.991	13.287	13.306	13.191	13.204	13.188	13.211	12.950	
1435739	at	Lats1	AV254900	Mm.34083	10	8.578	8.636	8.296	8.466	8.639	8.472	8.415	8.505	8.942	8.864	8.657	8.604	8.723	8.681	8.629	8.527	8.423	8.391	8.485	8.271	8.227	8.504	8.600	8.536	
1435740	at	ENSMUSG000000	AV286259	Mm.475641	14	11.500	11.715	11.522	11.590	11.744	11.657	11.531	11.588	11.837	12.038	11.676	11.809	11.902	11.807	11.725	11.561	11.444	11.615	11.587	11.491	11.492	11.490	11.812	11.430	
1435741	at	Pebp9	BB312125	Mm.100167	13	7.058	6.916	7.233	7.287	6.993	7.067	7.017	7.040	6.708	6.857	7.135	6.901	6.763	6.716	6.857	7.166	7.082	7.094	6.996	7.217	6.691	6.879	7.136	7.173	
1435742	at	Sma1	BB032885	Mm.24540	17	8.925	9.005	7.945	8.541	7.782	7.499	8.619	9.074	7.862	7.926	8.936	7.025	7.959	8.913	7.929	7.932	7.643	7.953	7.928	8.393	7.947	7.967	7.967	8.428	
1435743	at	Klh23	AW548377	Mm.138073	2	8.976	8.475	9.125	9.132	8.867	9.317	9.127	8.809	8.113	8.734	8.687	8.597	8.550	8.321	8.926	9.307	9.287	9.230	9.348	9.396	9.053	9.311	9.134	9.313	
1435744	at	G720401G13Rik	BB075556	Mm.336056	X	8.345	8.283	8.313	8.307	8.559	8.730	8.470	8.145	8.074	8.341	7.708	8.384	8.265	8.026	8.309	8.397	8.316	8.366	8.479	8.411	8.162	8.369	8.192	7.913	
1435745	at	5031439G07Rik	BI408317	Mm.323925	15	9.649	9.993	9.634	9.890	10.056	9.733	9.780	9.869	10.181	10.013	9.907	9.933	9.865	10.074	9.711	9.683	9.868	9.833	9.791	9.609	9.841	10.093	9.711	9.837	
1435746	at	SrpK2	BB127386	Mm.288728	5	7.727	8.100	7.650	8.034	8.336	8.088	8.092	7.822	7.890	8.357	8.042	8.212	8.034	7.819	7.971	7.708	8.213	8.286	7.884	8.014	8.047	8.411	8.000	7.970	
1435747	at	Fot14	AW141103	Mm.439768	14	4.070	4.053	4.447	4.075	4.473	4.372	4.482	4.208	4.119	4.254	4.105	4.272	4.359	3.996	4.230	4.118	4.282	4.301	4.408	3.947	4.246	4.218	4.433	4.330	
1435748	at	Gda	AW911807	Mm.45054	19	10.537	10.715	10.473	10.288	10.280	10.399	10.306																		

1435797	at	D5Wsu178e	BB024620	Mm.168854	5	8.246	8.171	8.149	8.361	8.221	8.431	8.286	8.042	8.054	8.027	7.974	8.186	8.092	8.144	8.312	8.128	8.407	8.331	8.400	8.419	8.234	8.558	8.259	8.560	
1435798	a	Sfrs14	BB772209	Mm.284505	8	10.470	10.344	10.378	10.400	10.426	10.312	10.428	10.471	8.997	10.186	9.980	10.018	9.777	9.793	9.944	10.263	10.658	10.556	10.400	10.165	10.659	10.695	10.305	10.126	
1435799	at	Sfrs14	BB772209	Mm.284505	8	8.446	8.510	8.391	8.501	8.606	8.476	8.432	8.677	8.204	8.310	8.328	8.361	8.199	8.096	8.271	8.465	8.794	8.521	8.382	8.447	8.696	8.629	8.478	8.308	
1435800	a	Csda	BB779100	Mm.458000	6	12.833	12.572	12.659	12.673	12.634	12.575	12.713	12.835	12.604	12.607	12.624	12.660	12.593	12.631	12.517	12.651	12.765	12.651	12.741	12.549	12.710	12.934	12.701	12.846	
1435801	at	Fkn	AV236795	Mm.275710	4	8.702	9.509	9.472	8.887	9.540	9.739	9.772	9.636	9.078	8.354	9.157	9.498	9.372	9.296	9.282	9.806	10.058	9.647	9.847	9.814	9.767	10.060	9.517	9.773	
1435802	at	Zhb45	BE134048	Mm.279722	7	7.231	7.677	7.311	7.205	7.184	7.028	7.296	7.141	7.301	7.376	6.853	7.260	7.135	7.361	7.019	7.212	7.202	7.510	7.050	7.313	7.270	7.067	7.153	7.067	
1435803	a	EIf4e2	BM120823	Mm.227183	1	8.717	10.084	8.627	8.212	8.698	8.652	8.549	9.154	10.055	9.498	9.211	9.474	9.111	9.901	8.985	8.354	8.308	8.500	8.303	8.826	8.331	8.598	8.098	8.411	
1435804	at	EIf4e2	BM120823	Mm.227183	1	8.286	7.939	8.153	8.145	8.043	8.076	8.059	7.991	8.118	7.843	8.280	8.025	8.128	8.321	8.089	8.162	7.991	8.120	8.037	8.145	8.177	7.894	8.121	8.073	
1435805	at	Lin7a	AV287586	Mm.268025	10	7.306	7.127	7.285	7.067	7.125	6.886	7.101	7.523	7.048	6.998	7.280	7.188	6.882	6.985	7.349	7.240	7.057	7.011	6.830	8.668	7.357	8.020	7.782	7.528	
1435806	at	Utp23	BM405538	Mm.176347	15	8.191	8.094	8.158	8.123	8.029	7.962	8.091	7.881	8.361	8.170	8.082	8.139	7.990	8.084	8.079	8.068	8.054	7.965	8.103	8.178	7.986	8.067	8.101	8.076	
1435807	at	Cdc42	BF467211	Mm.102234	4	8.930	8.956	8.918	8.897	8.984	9.206	8.976	8.599	9.001	8.912	9.023	8.922	8.696	8.927	8.755	8.955	9.073	9.184	9.209	9.169	9.051	9.029	9.182	9.007	
1435808	at	A230051G13Rik	BB174377	Mm.266175	11	8.497	8.670	8.437	8.451	8.386	8.591	8.796	8.701	8.338	8.167	8.519	8.179	8.163	8.456	8.492	8.397	8.525	8.979	8.790	8.850	8.508	8.650	8.725	8.396	
1435809	at	Ankrd34a	BE947974	Mm.267664	3	8.298	8.240	8.172	8.339	8.243	8.091	8.265	8.304	8.320	8.131	8.234	8.133	8.403	8.393	8.278	8.227	8.274	8.368	8.587	8.421	8.608	8.203	8.116	8.067	
1435810	at	5730455013Rik	AV297833	Mm.306067	19	9.190	9.323	9.318	9.302	9.195	8.966	9.374	9.394	9.220	8.889	9.119	8.881	8.905	8.881	9.248	8.896	9.483	9.190	9.139	9.286	9.161	8.973	9.122	9.062	9.068
1435811	a	Unc50	BM207360	Mm.27404	1	10.825	11.107	11.008	10.993	11.023	11.000	10.826	10.893	11.161	11.067	10.724	11.245	11.168	11.121	11.056	11.036	10.926	10.989	10.962	10.848	10.946	10.888	10.949	10.912	
1435812	at	Unc50	BM207360	Mm.27404	1	7.317	7.531	7.806	7.588	7.782	7.693	7.761	7.817	7.878	7.827	7.608	7.828	7.744	7.691	7.715	7.841	7.631	7.637	7.713	7.606	7.665	7.680	7.745	7.706	
1435813	at	Myon	BM212838	Mm.259767	10	12.192	11.869	12.033	11.927	11.800	11.512	12.014	11.909	11.665	11.908	12.043	11.903	11.723	11.718	11.851	12.070	11.638	11.820	11.687	11.690	11.654	11.766	11.891	12.145	
1435814	at	Xpo7	BB198104	Mm.152987	14	5.451	4.692	5.047	4.881	5.120	5.121	5.075	4.897	4.988	4.987	5.019	5.071	4.906	4.965	5.121	5.088	5.025	5.045	4.976	5.053	5.078	5.102	4.926	5.583	
1435815	at	Ldnc1	AW541598	Mm.23468	X	7.141	6.619	7.099	7.078	6.837	6.926	7.448	7.072	6.739	6.683	6.971	6.535	6.744	6.724	6.862	7.022	7.313	7.185	7.043	7.106	6.951	6.883	7.117	6.971	
1435816	at	Rps6	C81225	Mm.379007	4	10.601	10.694	10.465	10.424	10.244	10.383	10.448	10.571	10.520	10.611	10.232	10.630	10.300	10.652	10.492	10.455	10.568	10.462	10.334	10.253	10.643	10.661	10.432	10.677	
1435817	x	Rps6	C81225	Mm.379007	4	11.039	11.330	11.139	11.105	10.952	11.167	11.144	11.156	11.170	11.306	11.121	11.190	11.089	11.322	11.148	11.134	11.167	11.110	10.992	11.049	11.209	11.091	11.091	11.284	
1435818	at	Klhl15	BB357312	Mm.238117	X	5.932	5.395	6.084	5.667	5.497	6.048	5.799	5.692	5.049	5.559	5.441	5.297	5.628	5.623	5.874	5.891	5.656	5.816	6.004	5.998	5.408	5.392	6.047	5.508	
1435819	at	NA	BB833422	NA	NA	6.627	6.923	7.038	6.718	7.199	6.692	6.754	7.048	6.971	7.160	6.842	6.293	6.608	6.821	7.040	6.834	6.936	7.012	6.897	7.005	7.016	7.016	6.754	6.904	
1435820	x	Ddr1	AI874681	Mm.5021	17	7.825	8.583	8.066	7.894	8.386	8.045	8.158	7.864	8.494	8.851	7.983	8.395	8.304	8.315	8.372	8.143	8.070	8.059	8.291	7.975	7.902	8.045	8.102	8.163	
1435821	s	Ppnr18	BB397392	Mm.105230	4	6.670	7.444	6.622	6.730	6.995	6.910	6.928	6.884	7.015	6.864	6.805	6.614	6.763	6.829	6.866	6.622	6.896	7.121	6.964	6.788	6.957	6.413	6.833	6.745	
1435822	at	D830012124Rik	BB318743	Mm.40283	X	9.026	9.532	9.014	9.142	9.719	8.933	9.010	9.463	9.782	9.885	9.298	9.632	9.743	9.512	9.399	9.025	9.297	9.214	9.252	9.033	9.238	9.473	9.002	9.112	
1435823	x	Enth7	AV451652	Mm.269933	13	5.594	5.237	5.233	5.321	5.326	5.263	5.370	5.459	5.427	5.494	5.477	5.269	5.400	5.561	5.465	5.462	5.564	5.562	5.534	5.543	5.543	5.543	5.513	5.513	
1435824	at	NA	BB440458	NA	12	10.121	10.062	10.179	10.320	10.427	10.126	10.057	10.123	10.280	10.135	9.995	10.392	10.357	9.963	10.211	10.158	10.496	10.424	10.477	10.397	10.420	10.596	10.206	10.375	
1435825	at	Acrv11	BG969012	Mm.279542	15	8.117	8.073	7.936	7.998	8.007	7.888	7.857	7.735	8.070	8.084	8.334	8.043	8.025	7.918	8.030	7.937	7.582	7.787	7.467	7.534	7.608	7.753	8.007	8.233	
1435826	at	Rad18	BM250232	Mm.103812	6	6.075	6.742	5.995	5.943	6.204	6.613	6.050	6.549	6.605	6.402	6.448	5.969	5.995	6.667	6.056	6.065	5.918	5.838	6.154	5.741	6.145	5.965	5.965	5.888	
1435827	at	Af3304404O12Rik	BB501711	Mm.135764	5	6.552	6.901	6.560	6.692	6.648	6.372	6.635	6.734	6.900	6.702	6.666	6.567	6.703	6.954	6.674	6.644	6.525	6.662	6.565	6.653	6.736	6.704	6.505	6.588	
1435828	at	Map3	BM240693	Mm.275549	8	6.211	7.301	6.310	6.593	6.647	6.371	6.458	6.391	7.803	7.429	6.011	6.633	6.593	6.977	6.472	6.148	6.299	6.349	6.198	6.459	6.574	6.473	5.994	6.144	
1435829	at	Zmat1	BM242273	Mm.336238	X	8.585	8.214	8.595	8.234	8.355	8.516	8.324	8.092	8.177	8.540	7.866	8.585	8.393	8.094	8.216	8.545	8.606	8.499	8.298	8.399	8.391	8.647	8.471	8.197	
1435830	a	A530435G22Rik	AV293314	Mm.44508	1	6.855	7.369	6.661	6.751	6.848	6.308	6.844	6.800	7.354	7.385	7.061	6.798	7.042	7.264	6.877	6.451	6.409	6.590	6.732	6.590	6.684	6.566	6.843	6.803	
1435831	at	Cyp2b10	BB473923	Mm.269923	15	5.594	5.237	5.233	5.321	5.326	5.263	5.370	5.459	5.427	5.494	5.477	5.269	5.400	5.561	5.465	5.462	5.564	5.562	5.534	5.543	5.543	5.513	5.513	5.513	
1435832	at	Lrrc4	BB332932	NA	6	4.295	4.154	4.088	4.240	4.081	4.260	4.227	4.083	4.095	4.223	4.181	4.111	4.214	4.151	4.318	4.212	4.182	4.170	4.136	4.229	4.161	4.009	4.252	4.135	
1435833	at	NA	BB381550	NA	NA	8.138	7.274	7.887	7.490	7.603	7.854	7.238	8.322	7.037	6.822	7.681	7.433	7.296	7.191	8.216	7.957	7.897	8.128	7.903	8.118	8.631	8.785	8.439	8.738	
1435834	at	Fancf	BB667319	Mm.210091	7	7.384	7.808	7.568	7.378	7.477	7.713	7.690	7.820	7.853	7.819	7.999	7.701	7.920	7.853	7.881	7.592	7.660	7.644	7.673	7.708	7.594	7.564	7.717	7.422	
1435835	at	Mks1	BB033151	Mm.24404	11	6.247	6.211	6.219	6.396	6.379	6.289	6.404	6.334	6.382	6.311	6.291	6.315	6.344	6.394	6.261	6.298	6.321	6.496	6.392	6.366	6.274	6.581	6.529	6.441	
1435836	at	Pdk1	BB553369	Mm.34411	2	10.941	10.974	10.943	11.001	10.974	10.892	10.947	10.868	10.310	10.927	10.704	10.952	10.941	10.466	10.855	10.950	11.066	11.009	10.822	10.874	11.128	11.055	11.025	11.178	
1435837	at	Cryab	BF018114	Mm.3778	9	4.823	4.458																							

1435886	at	Dnaib12	AW456220	Mm.103610	10	9.185	8.892	9.065	9.195	9.175	8.999	9.075	8.886	9.159	8.889	8.976	8.973	9.123	9.056	9.036	9.130	8.981	9.004	9.057	9.065	9.082	8.945	9.105	8.980	
1435887	at	Serpina11	BB806208	Mm.201338	12	7.697	7.528	7.812	7.641	7.520	7.715	7.750	7.884	7.690	7.545	7.824	7.503	7.673	7.743	7.777	7.947	7.734	7.712	7.854	7.998	7.747	7.601	7.727	7.761	
1435888	at	Egfr	AV369812	Mm.8534	11	7.832	7.918	7.596	7.710	7.854	7.654	7.535	7.810	8.840	8.544	7.949	8.318	8.773	7.950	8.067	7.929	7.898	7.356	7.450	7.160	7.494	7.834	7.800	7.545	
1435889	at	Mark2	BB534457	Mm.258986	19	8.073	8.068	8.080	8.087	8.185	7.725	8.045	8.211	8.132	8.005	8.073	8.107	8.130	7.927	7.986	8.009	8.098	8.068	7.921	8.016	8.035	7.927	7.930	7.930	
1435890	at	5730596K20Rik	BB791512	Mm.264016	19	8.057	8.085	8.090	8.031	8.613	8.915	8.394	8.723	9.048	8.961	8.714	8.937	8.840	9.121	8.851	8.244	8.011	8.040	8.068	8.044	8.068	8.040	7.978	7.864	
1435891	x	at	BQ175465	NA	14	4.779	5.303	5.396	5.405	5.327	5.231	5.236	5.383	5.217	5.284	5.121	5.096	5.052	5.133	5.235	5.297	5.612	5.535	5.166	5.251	5.339	5.917	5.290	5.195	
1435892	at	Axsl3	BB762904	Mm.392310	18	4.983	4.257	5.049	4.979	4.683	4.875	5.059	4.791	4.912	4.867	5.099	4.955	5.113	5.075	5.262	5.000	5.141	5.194	5.240	5.559	4.977	4.992	6.163	5.279	
1435893	at	Vldlr	BB127955	Mm.4141	19	11.539	10.421	11.642	11.686	11.243	11.711	11.311	10.936	9.988	10.622	10.535	11.005	11.007	10.431	11.394	11.562	11.948	11.391	11.446	11.807	11.848	12.183	11.998	12.064	
1435894	at	C030014L02	BB303080	Mm.54201	4	6.579	6.243	6.586	6.463	6.245	6.465	6.674	6.625	6.460	6.401	6.721	6.375	6.247	6.585	6.631	6.679	6.588	6.586	6.607	6.626	6.669	6.515	6.998	6.667	
1435895	at	Lsmp	BQ175029	Mm.310524	16	7.049	6.616	7.158	7.086	6.780	7.360	7.305	6.827	6.907	6.672	6.979	6.857	6.935	6.900	7.056	7.166	7.078	7.089	7.334	7.155	7.140	7.078	7.187	7.200	
1435896	at	Sfxn2	BC066837	Mm.259837	19	7.410	7.744	7.478	7.577	7.771	7.464	7.562	7.393	7.725	7.774	7.343	7.426	7.535	7.657	7.684	7.749	7.670	7.912	8.048	7.837	7.880	8.035	7.589	7.478	
1435897	at	Rpl32	BB756431	Mm.104368	6	10.183	11.051	9.574	9.949	10.230	10.067	10.082	11.183	11.270	10.630	10.386	10.677	10.631	10.578	9.925	9.488	11.039	10.561	9.975	9.956	10.777	11.089	9.705	9.525	
1435898	x	at	Gdi2	BM219381	Mm.153226	13	12.766	13.037	12.864	12.751	12.845	12.888	12.719	12.956	13.127	13.114	12.727	12.916	13.029	13.132	12.960	12.978	12.818	12.567	12.770	12.744	12.156	12.985	12.779	
1435899	at	Kdcr	BE136439	Mm.458911	1	6.778	6.531	6.490	6.633	6.715	6.689	6.767	6.569	6.596	6.781	6.583	6.875	6.845	6.612	6.811	6.649	6.568	6.651	6.663	6.628	6.651	6.661	6.769	6.674	
1435900	at	Zbtb43	BF466570	Mm.44186	2	10.099	10.009	10.204	10.154	10.157	10.167	10.191	9.781	9.872	10.058	10.293	10.157	9.951	9.948	10.123	10.210	10.140	10.337	10.300	10.199	10.107	9.976	10.492	10.246	
1435901	at	Usp40	AV226197	Mm.80484	1	8.862	9.472	8.898	8.580	9.022	9.035	8.749	9.120	8.851	8.794	8.457	9.259	8.983	9.109	8.774	8.891	9.111	9.217	8.742	8.603	8.673	8.722	8.575	8.336	
1435902	at	Ncd	BM120193	Mm.34191	14	10.062	11.199	10.255	9.906	10.700	9.954	10.274	10.751	11.079	10.982	11.349	10.982	11.014	10.678	10.586	10.173	9.891	9.995	9.790	10.010	10.229	9.991	10.289	10.291	
1435903	at	Cud300a	AI536469	Mm.294439	11	7.028	7.979	7.110	7.470	7.505	7.339	7.671	6.914	8.188	8.242	7.506	7.520	8.038	8.135	7.472	7.381	7.245	7.118	7.418	7.086	7.103	6.924	6.962	7.256	
1435904	at	Efr3c3	BB355034	Mm.208174	4	7.320	7.297	7.074	7.078	7.285	7.012	7.125	7.154	7.239	7.389	7.070	6.943	7.066	7.044	6.970	7.108	6.821	6.989	6.706	6.875	6.993	7.111	7.154	7.241	
1435905	at	D3Ert4300e	BE691021	Mm.37356	3	5.516	5.589	5.868	5.541	5.572	5.755	5.661	5.640	5.759	5.484	5.557	5.440	5.578	5.771	5.588	5.816	5.285	5.324	5.255	5.366	5.277	5.109	5.624	5.443	
1435906	x	at	Gbp2	BE197524	Mm.24038	3	8.925	9.091	9.100	9.219	8.907	9.000	10.200	9.362	9.088	9.327	9.293	9.056	9.078	9.165	9.170	9.097	9.444	9.129	9.033	9.139	9.645	9.649	9.512	9.044
1435907	at	Nrxn2	BE949064	Mm.329616	19	6.861	6.793	6.676	7.024	6.755	6.581	6.822	7.057	6.954	6.756	6.880	6.811	6.991	6.813	6.652	6.768	7.062	6.830	6.830	6.728	6.953	6.976	8.660	6.590	
1435908	at	Nrxn2	BE949064	Mm.329616	19	8.358	7.755	8.102	8.133	7.962	7.951	7.871	8.065	7.804	7.716	8.002	7.992	7.895	7.936	8.061	8.095	8.499	8.212	8.134	8.277	8.133	8.260	8.623	8.184	
1435909	at	C030034I2Rik	AW986101	Mm.266592	17	5.366	4.934	5.217	5.467	5.141	5.362	5.280	5.156	5.138	5.079	4.888	5.001	4.889	5.173	4.752	5.180	5.409	5.238	5.212	5.457	4.748	4.964	5.312	5.225	
1435910	at	Fads3	BM235658	Mm.253810	19	10.274	10.775	10.180	10.149	10.462	10.263	10.307	10.314	10.161	10.784	10.409	10.284	10.383	10.622	10.396	10.284	10.113	10.207	10.400	10.366	10.349	10.323	10.091	10.375	
1435911	s	at	Slc2a12	BB043465	Mm.473705	10	6.926	6.729	7.311	6.718	6.942	7.129	6.233	5.865	5.647	6.303	5.804	5.670	6.323	5.803	6.262	7.182	7.042	7.211	7.305	7.357	6.647	6.547	6.886	
1435912	at	Kcp2	Mm.270108	16	9.230	9.097	9.092	9.092	9.171	9.051	9.171	9.051	8.682	8.987	8.982	8.987	8.982	8.987	8.982	8.987	8.982	8.987	8.982	8.987	8.982	8.987	8.982	8.987	8.982	
1435913	at	B4Gaait4	AW490142	Mm.137741	7	4.700	5.097	5.246	4.905	5.027	5.020	4.966	4.777	5.065	4.932	5.019	4.941	4.733	4.972	4.033	4.947	4.942	4.926	4.902	4.902	4.902	4.902	4.902	4.902	
1435914	at	Ncrl1	BB125604	Mm.271814	11	6.727	6.892	6.949	6.748	6.901	6.992	6.796	6.907	6.822	7.133	6.964	6.868	6.890	7.162	6.903	6.982	6.665	6.893	6.788	6.737	7.004	6.852	6.625	6.896	
1435915	at	Jmld4	BB771139	Mm.295954	11	5.559	5.533	5.476	5.474	5.489	5.660	5.716	5.559	5.305	5.629	5.452	5.290	5.551	5.466	5.508	5.626	5.671	5.614	5.562	5.715	5.809	5.728	5.579	5.712	
1435916	at	Zfp84	BG067388	Mm.251083	7	7.124	7.360	7.510	7.400	7.515	7.385	7.141	7.087	6.929	7.407	7.357	7.170	7.286	6.896	7.479	7.593	7.551	7.818	7.717	7.562	7.885	7.690	7.639	7.915	
1435917	at	Ociad2	BM937735	Mm.274892	5	8.437	7.620	8.702	8.588	8.992	8.084	8.496	7.952	8.016	8.019	8.740	8.472	8.728	8.092	8.581	8.713	9.357	8.964	9.118	8.697	9.179	9.236	8.580	8.774	
1435918	at	BC055107	BB277054	Mm.256058	14	5.977	5.478	5.692	5.711	5.839	5.489	5.573	6.269	5.688	5.656	6.173	5.634	5.681	5.937	5.943	5.683	5.752	5.852	5.436	5.503	6.315	6.235	6.373	6.047	
1435919	at	Atpla1	BI696040	Mm.280103	3	6.169	6.029	6.018	6.034	6.153	5.984	6.004	6.100	6.041	6.001	6.039	5.965	6.141	6.038	5.915	5.935	6.158	5.915	6.088	6.189	5.936	6.058	6.168	6.171	
1435920	at	Kcp2	BE690301	Mm.37356	3	6.516	6.398	6.305	6.795	6.598	6.745	6.731	6.826	6.592	6.813	6.722	6.643	6.573	6.395	6.797	6.585	6.286	6.398	6.486	6.277	6.371	6.989	6.967	6.967	
1435921	at	Atxn1	BM223036	Mm.276770	8	8.269	8.671	8.160	8.238	8.367	8.158	8.141	8.378	8.613	8.780	8.755	8.448	8.494	8.309	8.490	8.131	8.009	8.321	7.931	7.847	8.082	8.092	8.229	8.395	
1435922	at	Fbln19	BM022665	Mm.295935	7	6.981	6.866	7.003	7.048	6.915	6.969	6.985	6.993	7.167	6.856	6.878	6.853	7.015	6.909	7.025	6.987	6.902	6.949	7.051	7.092	6.973	7.057	6.881	7.086	
1435923	at	Ado	BB667109	Mm.297250	10	9.079	9.361	9.012	9.115	9.156	9.204	8.994	9.275	9.074	9.257	9.101	9.220	9.266	9.060	9.036	9.022	9.460	9.231	9.159	9.117	9.331	9.313	9.150	9.033	
1435924	at	Tfb1m	AW551319	Mm.226554	17	7.772	7.335	7.781	7.915	7.712	7.905	8.000	7.581	7.281	7.540	7.177	7.435	7.360	7.503	7.563	7.911	7.874	7.978	7.945	7.878	7.638	7.951	7.894	8.048	
1435925	at	Git2	BB377392	Mm.195632	5	9.046	9.245	8.952	9.250	9.493	9.114	8.953	9.330	9.415	9.338	9.305	9.524	9.472	9.204	9.299	9.074	9.324	9.312	9.037	9.044	9.366	9.562	9.143	9.261	
1435926	at	Chml	BB529627	Mm.440490	1	7.509	8.041	7.468	7.475	7.978	7.816	7.577</																		

1435975	at	Dennd4a	B0175496	Mm.222473	9	7.732	7.946	7.761	7.776	7.799	7.865	7.798	7.766	8.281	8.281	7.842	8.363	8.247	7.840	8.059	7.691	7.539	7.485	7.719	7.557	7.694	7.701	7.830	7.732	
1435976	at	AA408865	AW542521	Mm.393596	4	7.051	7.059	6.878	6.962	6.739	6.906	7.057	7.071	6.981	6.982	7.068	6.890	6.924	7.033	6.913	7.078	7.068	7.034	6.990	7.041	7.104	6.825	7.118	6.907	
1435977	at	Hdofr3c	BM240385	Mm.392934	7	8.132	8.271	8.104	8.038	8.526	8.473	8.120	8.249	8.508	8.788	8.237	8.841	8.912	8.236	8.399	8.217	8.336	8.418	8.323	8.039	8.199	8.411	8.015	8.096	
1435978	at	Gmnpa	B1415762	Mm.23951	1	5.641	5.421	5.381	5.727	5.747	5.511	5.617	5.584	5.484	5.512	5.458	5.630	5.571	5.645	5.625	5.340	5.672	5.744	5.345	5.446	5.502	5.776	5.692	5.450	
1435979	at	Myo195b	B3007216	Mm.309040	11	7.392	6.916	7.260	7.409	7.090	7.173	7.439	7.236	7.038	7.185	7.249	7.110	7.131	7.280	7.200	7.238	7.233	7.237	7.151	7.132	7.147	7.120	7.247	7.454	
1435980	x	at	Wnr6	AV508073	Mm.268282	1	5.284	5.069	5.348	5.259	5.210	5.021	5.390	5.203	5.012	4.861	5.219	5.269	5.152	4.951	5.191	5.135	5.258	5.405	5.298	5.213	5.290	5.164	5.378	
1435981	at	Nav2	BM118398	Mm.333881	7	9.182	9.437	9.245	9.568	9.416	9.561	9.279	8.858	8.454	8.893	8.492	8.752	9.200	8.814	9.139	9.224	9.411	9.780	9.592	9.718	9.302	8.555	9.343	9.269	
1435982	at	Stx12	B8009181	Mm.28237	4	8.911	9.079	9.039	9.002	9.143	9.094	8.988	8.883	8.942	9.078	8.946	9.050	9.057	8.899	9.035	8.923	8.941	9.016	9.097	9.110	8.874	9.050	8.990	9.063	
1435983	at	Tlll8	AV282519	Mm.86807	15	6.390	6.275	6.371	6.312	6.314	6.298	6.268	6.293	6.339	6.222	6.441	6.295	6.465	6.319	6.335	6.338	6.285	6.288	6.214	6.384	6.312	6.178	6.629	6.290	
1435984	at	Zfp40	AI450803	Mm.21025	17	6.118	6.391	6.370	6.427	6.089	6.651	6.515	6.545	6.653	6.693	6.528	6.747	6.803	6.880	6.613	6.469	6.222	6.538	6.768	6.406	6.400	6.626	6.544	6.042	
1435985	at	NA	BM232304	NA	NA	8.711	8.870	8.631	8.566	8.812	8.714	8.822	8.649	8.817	8.952	8.583	8.808	8.995	8.855	8.697	8.660	8.713	8.365	8.597	8.549	8.610	8.676	8.613	8.780	
1435986	x	Sdhc	AW107712	Mm.198138	1	12.039	11.520	11.939	11.834	11.621	11.899	12.049	11.657	11.183	11.370	11.906	11.840	11.272	11.580	11.704	11.986	11.926	12.149	12.031	11.892	11.834	11.867	12.131	11.875	
1435987	x	at	BM570681	Mm.401845	15	4.304	4.772	4.250	4.278	4.753	4.585	4.602	4.727	4.695	4.982	4.566	4.582	4.564	4.519	4.651	4.140	4.279	4.584	4.465	4.462	4.437	4.275	4.310	4.444	
1435988	x	Ik	BF458932	Mm.30234	18	10.410	10.542	10.599	10.503	10.470	10.576	10.431	10.236	10.543	10.633	10.299	10.560	10.560	10.500	10.479	10.467	10.460	10.584	10.646	10.107	10.486	10.377	10.335	10.468	
1435989	x	Krr18	AW322280	Mm.358618	15	6.556	6.390	6.315	6.406	6.685	6.461	6.390	6.603	6.799	7.046	6.606	6.932	6.876	6.820	6.663	6.201	6.513	6.368	6.412	6.385	6.569	6.400	6.288	6.290	
1435990	at	Adams2	BG073461	Mm.110597	11	8.438	9.788	8.470	8.712	10.422	9.125	8.684	8.718	10.771	10.635	9.551	10.698	10.809	9.921	10.224	8.384	8.403	8.455	8.980	7.970	8.496	8.604	8.079	8.239	
1435991	at	Nr3c2	B0174990	Mm.324393	8	8.599	7.631	8.582	8.712	8.464	8.910	8.821	7.769	7.133	7.634	7.515	7.889	7.724	7.540	7.842	8.568	9.430	9.272	9.022	9.109	8.570	8.826	8.793	8.451	
1435992	at	Iltoca	B0175373	Mm.317517	1	6.826	6.575	6.866	6.728	6.653	6.670	6.707	6.518	6.646	6.508	6.678	6.516	6.689	6.716	6.670	6.844	6.516	6.622	6.650	6.671	6.695	6.644	6.815	6.678	
1435993	at	OTTMUSG000000	BB027219	Mm.441300	13	7.158	6.709	6.834	6.942	7.021	7.094	6.932	7.141	7.036	6.882	6.599	7.026	7.038	7.151	6.897	6.968	7.202	7.273	7.348	7.529	7.002	7.209	7.019	6.736	
1435994	at	Kcm1	BM120185	Mm.4489	1	6.711	6.464	6.679	6.560	6.644	6.884	6.777	6.661	6.646	6.614	6.752	6.490	6.710	6.676	6.737	6.706	6.568	6.672	6.995	6.969	6.555	6.651	6.686	6.621	
1435995	at	Mrl22	BF018217	Mm.259907	11	10.692	10.671	10.873	10.765	10.454	10.869	10.698	10.877	10.490	10.410	10.545	10.645	10.488	10.612	10.551	10.793	11.012	11.012	11.014	10.980	10.892	11.129	10.839	10.736	
1435996	at	Card11	AV059569	Mm.46187	5	5.551	5.477	5.947	5.463	5.522	5.666	5.570	5.336	5.538	5.446	5.461	5.780	5.344	5.470	5.699	5.580	5.570	5.680	5.697	5.716	5.709	5.622	5.542	5.798	
1435997	at	Spaq8	BF318712	Mm.331569	4	6.705	6.523	6.788	6.644	6.713	6.941	6.679	6.668	6.617	6.665	6.700	6.711	6.411	6.691	6.588	6.560	6.600	6.664	6.731	6.653	6.589	6.628	6.908		
1435998	at	Ccnb1lp1	BG066504	Mm.343880	14	8.158	7.640	7.923	7.089	7.626	7.751	7.781	7.577	6.589	7.201	8.519	7.206	7.934	8.106	7.004	7.976	8.305	8.166	8.404	8.272	7.381	7.533	7.424	7.194	
1435999	at	Spink8	BB284475	Mm.99613	9	6.568	6.235	6.346	6.589	6.225	6.337	6.362	6.481	6.201	6.129	6.449	6.329	6.462	6.329	6.316	6.398	6.501	6.157	6.380	6.430	6.385	6.206	6.432	6.523	
1436000	a	at	Sko2	BB055741	Mm.35584	15	4.772	5.864	4.913	4.854	5.102	4.462	4.865	5.279	5.395	5.240	5.256	4.781	5.107	5.502	5.049	4.610	4.300	4.854	4.805	4.790	4.728	4.784	4.747	
1436001	at	Scp102B011R1k	BM305009	Mm.305009	4	8.392	8.036	8.061	8.366	8.106	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	8.186	8.266	
1436002	at	Scube3	BB484128	Mm.258491	17	4.553	5.221	5.155	5.170	4.455	5.105	4.515	5.368	5.458	5.383	5.028	5.111	5.039	5.163	5.149	5.130	5.076	5.076	5.076	5.076	5.076	5.076	5.076	5.076	
1436003	at	Vcam1	AV280637	Mm.76649	3	4.903	4.974	4.929	4.857	4.842	5.065	5.184	4.819	4.834	4.855	5.081	4.647	4.717	4.869	4.706	4.819	4.677	4.713	4.790	4.812	4.785	4.789	4.976	4.864	
1436004	at	Srs27x	BB021271	Mm.371608	X	5.974	6.381	6.131	6.091	6.586	6.187	6.166	6.420	6.711	6.615	6.482	6.348	6.454	6.460	6.523	5.933	5.864	6.112	6.088	5.787	6.193	5.911	6.232	6.549	
1436005	at	Sfrs2a	BQ174136	Mm.284505	8	7.768	7.272	7.679	7.751	7.631	7.741	7.594	7.445	7.501	7.400	7.704	7.450	7.504	7.674	7.661	7.717	7.687	7.793	7.793	7.766	7.547	7.605	7.845	7.838	
1436006	at	Elf2ak1	AV346163	Mm.389709	5	7.972	7.892	7.720	7.744	7.888	7.663	7.812	7.861	7.884	7.759	7.724	7.750	7.875	7.838	7.737	7.828	8.044	8.011	8.088	7.902	7.940	7.846	7.814	7.672	
1436007	a	at	Thumpd1	BM233005	Mm.26392	7	7.759	8.281	8.183	8.165	8.021	8.517	8.168	7.533	7.849	8.134	7.933	7.731	7.838	8.122	8.021	8.271	7.753	7.907	8.256	8.289	7.709	7.534	8.152	8.164
1436008	at	Tpd52	AV336744	Mm.371590	3	7.244	7.456	7.151	7.232	7.286	7.184	7.331	7.361	7.514	7.512	7.300	7.195	7.509	7.483	7.360	7.258	7.224	7.034	7.291	7.347	7.318	7.191	7.293	7.151	
1436009	at	Ccp30	BM204091	Mm.24091	2	7.157	7.072	7.559	7.384	7.531	7.197	7.405	7.585	7.274	7.653	7.362	7.291	7.136	7.202	7.140	7.354	7.317	7.311	7.167	7.317	7.167	7.317	7.167	7.311	
1436010	at	Lrrc16b	BE948984	Mm.151577	14	6.771	6.736	6.788	6.836	6.987	6.792	6.860	7.202	6.849	6.445	6.897	6.914	6.890	6.731	6.921	6.958	6.178	6.887	6.662	6.914	7.312	6.895	6.984	6.749	
1436011	at	Elmo2	BB123652	Mm.35064	2	8.201	7.950	7.948	8.054	7.843	7.930	7.830	8.168	8.133	8.311	7.964	7.851	8.048	8.012	7.875	7.981	7.990	7.903	7.937	8.053	8.004	7.912	7.927	7.892	
1436012	s	at	Scrn2	BB735480	Mm.46189	11	7.129	7.013	6.977	7.415	7.281	7.043	7.014	7.560	7.066	6.792	6.852	7.264	6.802	6.882	6.924	7.036	6.680	7.470	7.207	7.267	7.464	7.721	7.075	
1436013	at	Gsl1	AI852434	Mm.39599	7	8.165	7.924	7.477	8.170	7.957	7.743	7.482	7.970	7.616	8.044	7.712	8.474	8.189	7.155	7.568	7.781	7.934	8.179	8.100	7.524	7.667	8.032	7.122	7.373	
1436014	a	at	Rusc1	BB806780	Mm.27687	3	9.071	9.377	9.177	9.125	9.154	8.945	9.045	8.965	9.280	9.347	8.980	9.128	9.142	9.225	9.179	9.136	9.004	9.129	9.193	9.132	9.031	8.867	9.224	9.169
1436015	s	at	Stk4	BB141897	Mm.234472	2	9.829	10.533	9.746	9.800	9.946	9.996	9.949	10.028	10.473	10.344	9.896	10.219	10.284											

1436064	x	at	Rps24	AV004977	Mm.16775	14	11.783	12.032	11.458	11.659	11.857	11.629	11.617	12.493	12.371	11.877	12.027	12.143	11.814	11.576	11.430	12.420	12.120	11.674	11.590	12.278	12.370	11.483	11.323		
1436065	at		A130091K22Rik	BB202432	Mm.442383	9	5.648	5.437	5.540	5.547	5.402	5.515	5.516	5.592	5.466	5.450	5.564	5.390	5.543	5.424	5.436	5.600	5.610	5.594	5.651	5.564	5.528	5.408	5.653	5.645	
1436066	at		Kalrn	B1965477	Mm.011884	16	5.753	5.713	5.798	5.635	6.027	5.774	5.601	6.274	6.180	5.967	5.814	6.059	6.083	5.814	6.181	5.950	5.366	5.768	5.528	5.619	5.569	5.813	5.755	5.487	
1436067	at		Zbtb10	BG068032	Mm.103262	3	8.905	8.061	8.807	8.500	8.459	8.660	8.715	8.513	8.039	8.343	8.152	8.510	8.515	8.408	8.552	8.757	8.764	8.610	8.877	8.722	8.829	8.824	8.828		
1436068	at		Zbtb10	BG068032	Mm.103262	3	8.834	8.371	8.579	8.622	8.515	8.699	8.597	8.518	8.162	8.315	8.807	8.122	8.353	8.532	8.388	8.652	8.238	8.439	8.581	8.617	8.420	8.238	8.890	8.620	
1436069	at		Ing1	AW545952	Mm.64045	1	9.488	9.385	9.453	9.568	9.268	9.344	9.187	9.119	9.239	9.253	9.111	9.244	9.464	9.485	9.553	9.500	9.695	9.330	9.221	9.464	9.329	9.464	9.329		
1436070	at		Gt	BM933153	Mm.261984	17	9.167	8.536	9.286	9.424	8.740	9.195	9.142	8.905	8.290	8.666	9.307	8.961	8.809	8.617	8.989	9.217	8.885	9.282	9.131	9.005	9.379	9.317	9.207	8.879	
1436071	at		Ankrd26	B0175953	Mm.276116	6	7.563	7.817	7.562	7.748	7.781	7.797	7.846	7.585	7.593	7.838	7.451	7.588	7.610	7.867	7.550	7.704	7.797	7.836	8.049	7.745	7.666	7.536	7.671	7.581	
1436072	at		SB30428H23Rik	BG070468	Mm.100056	19	6.934	6.686	6.938	6.983	7.045	7.017	7.101	6.626	6.722	7.113	6.550	6.705	6.729	6.690	6.945	7.070	7.332	6.994	6.965	7.234	6.799	7.501	7.141	7.116	
1436073	at		A630007B06Rik	BB370775	Mm.131555	9	6.994	9.567	9.685	9.809	9.749	9.973	9.931	9.617	9.467	9.710	9.601	9.777	9.700	9.778	9.749	9.725	9.876	9.917	9.943	9.885	9.707	9.980	9.802	9.873	
1436074	at		Nkbid	AW495632	Mm.386878	7	6.683	6.565	6.611	6.734	6.433	6.583	6.813	6.457	6.646	6.406	6.939	6.394	6.536	6.722	6.489	6.706	6.478	6.674	6.437	6.757	6.685	6.354	6.690	6.686	
1436075	at		Sfrp5	B0175837	Mm.470071	19	8.927	8.490	8.857	8.626	8.456	8.859	8.721	8.545	8.580	8.541	8.741	8.511	8.586	8.748	8.693	8.777	8.814	9.024	8.871	8.835	8.957	8.762	8.679	8.819	
1436076	at		Dlsoa1	B0174338	Mm.311840	17	4.466	4.279	4.407	4.405	4.435	4.509	4.414	4.337	4.261	4.462	4.393	4.257	4.404	4.337	4.351	4.582	4.419	4.485	4.459	4.695	4.382	4.299	4.331	4.441	
1436077	a	Ch	Fcho1	BF730694	Mm.22025	8	7.580	7.634	7.701	7.698	7.584	7.643	7.661	7.564	7.591	7.260	7.489	7.349	7.477	7.448	7.475	7.653	7.792	7.653	7.329	7.728	7.781	7.786	7.772	7.754	
1436078	at		Fcho1	BF730694	Mm.22025	8	7.367	7.279	7.172	7.224	7.168	7.179	7.152	7.367	7.285	7.227	7.230	7.189	7.161	7.324	7.143	7.170	7.361	7.166	7.299	7.087	7.275	7.291	7.246	7.194	
1436079	s	at	Vaob	BB308907	Mm.260456	2	9.752	9.254	9.726	9.735	9.718	9.908	9.744	9.353	8.876	9.162	9.283	9.524	9.467	9.385	9.787	9.672	9.900	10.124	10.288	10.092	9.880	9.993	9.866	10.047	
1436080	at		AW011738	BB258213	Mm.610204	4	7.270	7.344	7.556	7.279	6.824	7.151	6.966	7.709	6.645	6.900	7.088	7.319	7.312	7.087	6.967	7.680	7.202	7.358	7.431	7.360	7.315	7.060	6.916	6.842	
1436081	a	at	Zfp414	BE632205	Mm.181488	17	9.361	9.620	9.214	9.264	9.699	9.335	9.426	9.533	9.726	9.554	9.438	9.490	9.312	9.524	9.279	9.196	9.562	9.555	9.393	9.288	9.399	9.254	9.069	9.128	
1436082	at		NA	BE992058	NA	NA	4.748	4.651	4.521	4.710	4.499	4.424	4.670	4.692	4.791	4.626	4.943	4.632	4.745	4.653	4.684	4.570	4.847	4.457	4.450	4.522	4.911	5.081	4.547	4.505	
1436083	at		Lrp3	A1854191	Mm.333783	7	7.050	6.885	7.024	6.927	7.008	7.056	7.052	6.984	6.803	6.804	6.977	6.833	6.899	6.781	7.055	6.904	7.010	7.069	6.974	7.153	6.985	7.094	6.853	6.966	
1436084	at		Scr1	BE947440	Mm.218747	15	6.927	6.684	6.698	6.842	6.823	6.879	6.859	7.045	6.864	6.577	6.841	6.638	6.734	6.802	6.861	6.964	6.823	6.834	6.753	6.994	6.818	6.686	6.810	6.976	
1436085	at		Zbtb34	BB361974	Mm.296512	2	7.543	8.126	7.693	7.924	7.892	7.679	7.800	7.968	8.138	8.018	7.747	7.887	8.054	7.893	7.946	7.770	7.740	7.877	7.635	7.672	7.821	8.133	7.939	7.832	
1436086	at		Lca51	AV256234	Mm.24626	16	5.867	6.072	5.812	5.987	6.009	6.222	6.118	5.956	6.106	6.145	6.020	5.943	6.120	6.162	5.922	5.986	5.718	6.213	6.117	6.210	6.204	6.038	5.906	5.840	5.728
1436087	at		Dpp10	B0176414	Mm.242090	1	4.626	4.313	4.456	4.422	4.407	4.577	4.505	4.572	4.404	4.299	4.531	4.318	4.347	4.307	4.402	4.419	4.361	4.434	4.404	4.446	4.548	4.645	4.493	4.426	
1436088	at		AV033641	AV033641	Mm.246108	15	9.076	9.152	9.040	8.756	8.986	8.947	9.082	9.236	8.460	8.805	8.880	8.911	8.847	8.931	9.049	8.963	9.007	9.016	8.879	8.940	8.886	9.083	8.779	8.791	8.791
1436089	at		Ints6	BB401056	Mm.319684	14	8.900	8.557	8.845	8.711	8.634	8.857	8.846	8.428	8.573	8.695	8.780	8.491	8.658	8.612	8.699	8.800	8.526	8.757	8.797	8.854	8.660	8.877	8.905	8.905	
1436090	at		NA	BM211429	NA	NA	8.572	8.582	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	8.572	
1436091	at		NA	BB337975	Mm.159989	1	6.149	5.975	5.968	5.56	6.127	5.967	6.221	6.050	6.062	5.962	6.093	6.167	6.299	6.180	6.065	5.924	5.924	5.924	5.924	5.924	5.924	5.924	5.924	5.924	
1436092	at		NA	BB336256	NA	NA	5.229	5.088	5.161	5.174	5.227	5.272	5.202	5.141	5.402	5.255	5.291	5.194	5.169	5.351	5.238	5.268	5.001	5.151	5.093	5.138	5.309	5.151	5.453	5.066	
1436093	at		Epha10	BE981269	Mm.171490	4	7.881	7.692	7.708	8.011	7.940	7.831	7.952	8.070	8.025	7.808	7.945	7.660	8.016	7.873	7.901	7.788	7.729	7.814	7.825	7.987	7.898	7.791	8.782	7.783	
1436094	at		Vgf	BF458396	Mm.389697	5	7.223	6.843	7.062	7.000	6.960	6.620	7.069	6.991	7.061	7.043	7.038	6.930	7.067	7.196	7.042	7.067	6.853	6.939	7.168	7.331	7.126	7.039	7.336	7.231	
1436095	at		Chd5	AV274538	Mm.40192	4	6.494	6.197	6.574	6.580	6.626	6.660	6.691	6.543	6.426	6.563	6.502	6.451	6.388	6.471	6.602	6.551	6.468	6.386	6.613	6.670	6.487	6.427	6.440	6.645	
1436096	at		NA	BB765910	NA	NA	7.853	7.557	7.796	7.986	7.772	7.924	7.588	7.672	7.457	7.598	7.596	7.783	7.622	7.753	7.744	7.861	7.734	7.970	8.103	8.021	7.899	7.764	7.900	7.886	
1436097	x	at	Arhaap9	BB327418	Mm.227198	10	7.576	8.134	7.732	7.496	7.541	7.585	7.657	7.129	8.051	7.776	7.262	7.535	7.353	7.926	7.502	7.621	7.522	7.610	7.421	7.480	7.421	7.185	7.203	7.524	
1436098	at		Bcl6	BB562879	Mm.227269	3	9.539	9.365	9.188	9.030	9.073	9.056	9.039	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	9.036	
1436099	at		NA	AV294537	Mm.54140	15	8.780	8.426	8.697	8.710	8.606	8.510	8.728	8.603	8.545	8.398	8.854	8.634	8.638	8.644	8.659	8.716	8.637	8.559	8.559	8.762	8.667	8.603	8.621	8.735	
1436100	at		Klf17	AV347995	Mm.271936	4	6.632	6.782	6.563	6.679	6.516	6.579	6.604	6.485	6.905	6.337	7.259	6.411	6.435	7.099	6.449	6.351	6.462	6.309	6.455	6.436	6.384	6.530	6.630	6.473	
1436101	at		Pank2	BB752033	Mm.101264	2	7.811	8.042	7.732	7.830	8.290	7.873	7.903	7.963	8.152	7.950	8.262	8.088	8.006	7.899	7.765	7.844	7.557	7.641	7.844	7.475	7.923	8.011	7.929	7.925	
1436102	at		Sec22c	BB425408	Mm.31421	9	7.214	7.297	7.001	7.466	7.617	7.144	6.959	7.323	7.445	7.449	6.869	7.456	7.365	7.172	7.181	7.126	7.290	7.249	7.152	7.387	7.656	7.723	7.644	7.644	
1436103	at		Rab3ip	AV235634	Mm.336394	10	10.529	10.857	10.704	10.569	10.682	10.516	10.612	10.425	10.604	10.713	10.536	10.387	10.316	10.444	10.603	10.778	10.269	10.551	10.700	10.613	10.267	10.224	10.456	10.823	
1436104	a	at	NA	BG068839	NA	NA	5.221	5.144	5																						

1436153	a	at	Zmvynd11	BB561053	Mm.397307	13	12.288	11.860	12.676	12.315	12.012	12.473	12.546	12.006	11.651	11.977	11.995	12.206	11.967	12.021	12.343	12.572	11.909	12.150	12.303	12.261	12.089	12.229	12.498	12.479
1436154	at	NA	NA	BE457918	NA	NA	5.633	5.651	5.804	5.712	5.552	5.619	5.913	5.773	5.592	5.552	5.650	5.465	5.571	5.772	5.454	5.741	5.871	5.814	5.803	5.924	5.719	5.746	5.890	5.792
1436155	at	Nmnat2	BB398185	Mm.40548			1	6.321	6.286	6.172	6.278	6.295	6.290	6.186	6.464	6.379	6.342	6.291	6.380	6.339	6.274	6.030	6.229	6.222	6.142	6.287	6.256	6.324	6.554	6.267
1436156	at	Ccnar1	AW538049	Mm.196371			10	9.408	9.623	9.321	9.337	9.469	9.259	9.332	9.588	9.459	9.712	9.492	9.625	9.505	9.257	9.638	9.382	9.600	9.424	9.247	9.199	9.821	9.972	9.412
1436157	at	Ccnar1	AW538049	Mm.196371			10	11.146	11.291	11.144	11.133	11.279	11.034	11.093	11.713	11.502	11.404	11.696	11.448	11.325	11.364	11.134	11.700	11.234	11.003	11.053	11.716	12.023	11.127	11.222
1436158	at	Elf4ebp2	BI453292	Mm.235616			10	8.459	8.981	8.035	8.246	8.560	8.228	8.341	8.862	8.849	8.703	8.749	8.432	8.696	8.958	8.947	8.559	8.597	8.839	8.079	8.610	8.783	8.362	8.478
1436159	at	Usp32	BB017526	Mm.178524			11	10.374	10.686	10.407	10.441	10.566	10.346	10.297	10.484	10.897	11.007	10.465	10.869	10.799	10.753	10.650	10.492	10.311	10.315	10.469	10.294	10.182	10.381	10.322
1436160	at	Krr26	BB150142	Mm.440509			11	5.843	5.530	5.591	5.716	5.533	5.648	6.012	5.627	5.486	5.763	5.825	5.481	5.722	5.404	5.632	5.762	5.581	5.648	5.651	5.593	5.711	5.467	5.690
1436161	at	Pds5b	BB442341	Mm.32959			5	8.725	8.699	8.993	8.917	8.930	8.628	8.378	8.850	8.755	8.869	8.708	8.827	8.870	8.943	9.023	8.945	9.027	9.128	8.875	9.028	9.084	9.035	
1436162	at	C730048C13Rik	BB667865	Mm.426083			19	6.326	5.791	6.065	6.238	6.049	6.097	6.098	6.155	6.054	5.783	6.055	5.875	6.031	6.157	6.003	6.098	5.969	6.119	6.097	6.286	6.196	6.043	6.239
1436163	at	Kcnj16	A1035293	Mm.301176			11	5.630	5.412	5.596	5.629	5.519	5.643	5.601	5.595	5.508	5.439	5.691	5.553	5.456	5.612	5.606	5.803	5.610	5.533	5.688	5.812	5.611	5.571	5.593
1436164	at	Sic30a1	BE685959	Mm.9024			1	10.483	10.229	10.356	10.351	10.311	10.438	10.311	10.317	9.941	9.890	10.100	10.174	10.224	10.168	10.202	10.433	10.613	10.381	10.341	10.350	10.322	10.779	10.490
1436165	at	Luc7f2	BI076494	Mm.276133			6	6.817	7.622	7.027	7.185	6.945	7.145	7.276	7.588	7.128	7.348	6.968	7.261	6.969	7.001	7.075	7.025	7.470	7.245	7.185	7.234	7.065	7.300	7.337
1436166	at	Stox2	AV231210	Mm.23973			8	8.105	7.920	8.025	8.037	8.122	7.741	7.941	8.332	7.943	8.014	7.983	8.226	8.250	7.893	8.162	7.937	7.845	7.935	7.781	8.147	7.965	8.250	8.407
1436167	at	Shf	BB798279	Mm.458215			2	7.167	7.037	6.813	6.917	6.955	6.657	6.827	6.987	7.054	7.053	6.842	7.072	6.998	6.881	7.055	6.976	7.378	7.123	6.959	6.814	7.013	7.249	6.974
1436168	at	C730029A08Rik	BB428892	Mm.372587			9	9.631	9.410	9.442	9.704	9.592	9.984	9.897	9.736	8.566	9.153	9.292	9.554	9.352	9.092	9.606	9.413	10.600	10.410	10.175	10.055	10.193	10.414	9.931
1436169	at	C730029A08Rik	BB428892	Mm.372587			9	8.759	8.479	8.722	9.001	8.712	9.159	9.080	8.763	7.917	8.431	8.579	8.843	8.392	8.403	8.758	8.814	9.759	9.832	9.455	9.596	9.341	9.656	9.192
1436170	a	at	Csn152a	BF119305	Mm.4908		5	4.717	4.409	4.652	4.586	4.498	4.699	4.566	4.409	4.585	4.589	4.568	4.636	4.458	4.706	4.785	4.746	4.424	4.475	4.593	4.811	4.425	4.730	4.712
1436171	at	Arhaap30	BM244999	Mm.251048			1	8.520	9.258	8.329	8.599	8.632	8.554	8.724	8.353	9.302	8.805	8.750	10.710	8.699	9.229	8.553	8.465	8.307	8.179	8.405	8.361	8.397	8.281	8.413
1436172	at	Samd91	BO175154	Mm.196013			6	6.817	7.622	7.027	7.185	6.945	7.145	7.276	7.588	7.128	7.348	6.968	7.261	6.969	7.001	7.075	7.025	7.470	7.245	7.185	7.234	7.065	7.300	7.337
1436173	at	Dcl1	BB768194	Mm.210875			8	10.537	10.464	11.160	10.561	10.170	10.597	10.501	10.150	9.655	10.066	10.593	10.473	10.068	10.338	10.411	11.004	10.364	10.635	10.527	10.484	10.085	10.332	10.466
1436174	at	Atad2	MM206009	Mm.221758			15	7.718	6.626	7.594	7.944	8.880	8.125	8.255	8.763	8.826	8.779	8.942	8.245	8.490	9.433	8.584	7.594	7.281	7.225	7.230	7.192	7.748	7.668	7.600
1436175	at	Atxn7	AV227511	Mm.133625			14	9.267	9.125	9.136	9.200	9.107	9.304	9.172	9.200	8.665	8.948	9.102	9.119	9.077	8.840	9.012	9.163	9.197	9.120	9.111	8.991	9.166	9.411	9.801
1436176	at	1500004A13Rik	BB464622	Mm.126870			3	5.525	5.389	5.297	5.254	5.258	5.485	5.342	5.155	5.287	5.350	5.350	5.419	5.509	5.398	5.184	5.376	5.726	5.284	5.197	5.259	5.507	5.318	5.305
1436177	at	Plekha2	BE852755	Mm.475943			8	8.951	8.825	8.859	8.567	8.742	8.709	9.147	8.722	8.666	8.626	8.722	9.090	9.018	9.079	8.595	8.962	8.703	8.672	8.923	8.769	8.612	8.513	8.417
1436178	at	Leprn1	AW553532	Mm.326869			16	7.838	8.126	7.807	7.627	8.831	7.868	7.421	8.134	8.647	8.982	8.867	8.575	8.567	8.164	8.582	7.897	7.429	7.904	8.187	7.768	7.623	7.626	7.715
1436179	a	at	Cnaic5	Mm.140761			10	8.910	9.292	8.751	9.277	8.633	9.814	9.252	8.515	9.250	8.915	9.144	9.252	9.179	9.144	9.452	9.179	9.144	9.452	9.179	9.144	9.452	9.179	9.144
1436180	at	Usp32	BM108239	Mm.401761			16	11.547	11.762	11.487	11.458	11.449	11.437	11.468	11.606	11.801	11.796	11.692	11.801	11.698	11.758	11.451	11.531	11.451	11.495	11.296	11.196	11.082	11.448	11.111
1436181	at	Ddr2f	AV077160	Mm.358946			12	9.183	9.322	9.040	9.021	9.492	9.027	9.165	9.666	9.165	9.460	9.590	9.540	9.626	9.403	9.297	9.058	9.222	9.047	8.650	8.781	8.906	9.036	9.021
1436182	at	NA	BG092481	NA	NA		6	6.991	6.708	6.991	6.995	6.809	7.075	7.210	6.893	6.478	6.535	6.774	6.870	6.717	6.915	6.990	7.098	7.017	7.219	7.329	7.170	7.181	7.010	7.155
1436183	at	9830115L13Rik	BB757349	Mm.25243			6	8.977	9.634	8.846	8.919	9.172	9.099	8.994	9.480	9.581	9.327	9.250	9.355	9.521	9.494	9.238	8.739	9.040	8.969	8.839	8.711	9.011	9.209	8.954
1436184	at	Znf512b	BM117370	Mm.386888			2	8.728	8.581	8.634	8.837	8.837	8.735	8.723	8.699	8.711	8.692	8.610	8.649	8.787	8.831	8.650	8.896	8.670	8.897	8.904	8.640	8.754	8.753	8.742
1436185	at	A1314180	BO076313	Mm.234801			4	9.778	9.360	9.893	9.593	9.906	9.862	9.754	9.489	8.854	9.257	9.297	9.313	9.233	9.265	9.463	9.851	9.842	9.800	9.714	9.770	9.730	9.916	9.664
1436186	at	E2f8	BM247465	Mm.240566			7	7.072	7.539	6.764	6.946	7.081	7.183	7.220	7.538	7.226	7.320	7.432	6.839	6.926	7.546	7.247	6.838	7.153	7.114	7.269	7.149	6.985	6.812	6.929
1436187	at	Dnaicj5	BB517506	Mm.39102			16	8.329	9.362	8.209	8.235	9.567	9.389	9.252	9.916	8.538	9.375	9.389	9.245	9.293	8.476	9.245	9.098	9.245	9.098	9.245	9.098	9.245	9.098	9.245
1436188	a	at	Ndr4f	AI837704	Mm.29846		8	12.752	12.481	13.463	13.628	12.387	11.531	11.419	13.310	12.801	12.667	11.781	13.646	13.174	12.627	12.334	13.520	11.828	11.875	11.289	12.360	11.282	11.587	11.618
1436189	at	NA	AV380561	NA	NA		4	6.616	6.676	6.945	7.016	6.806	6.889	7.040	6.660	6.164	6.336	5.960	6.484	6.190	6.620	6.439	6.965	7.483	7.299	7.370	7.336	6.967	7.298	6.932
1436190	at	Zfp618	AV236080	Mm.26479			4	6.846	6.815	6.549	6.682	6.812	6.564	6.548	6.705	7.043	6.665	6.737	6.656	6.710	6.781	6.766	6.497	6.773	6.734	6.905	6.800	6.672	6.478	6.681
1436191	at	Arid4a	AI326124	Mm.241601			12	6.868	7.121	7.345	7.028	7.227	7.284	7.081	7.202	7.073	7.363	6.724	7.350	6.798	6.885	7.395	7.156	7.061	7.147	7.023	7.015	7.123	7.407	7.089
1436192	at	Arfgef2	AV270520	Mm.297192			2	8.496	8.189	8.734	8.665	8.960	8.551	8.697	8.783	9.114	9.077	8.853	8.877	8.980	8.973	8.531	8.743	8.818	8.682	8.760	8.814	8.426	8.616	8.818
1436193	at	Mm1c1	BB392263	Mm.18905			4	9.496	9.678	9.365	9.586	9.633	9.340	9.223																

1436242	a	at	Ckif	BE852312	Mm.269219	8	8.999	9.613	8.833	8.841	9.063	8.989	8.930	9.095	9.435	9.309	9.398	9.022	9.174	9.544	9.013	8.756	8.828	8.872	8.832	8.772	8.895	8.740	8.740	
1436243	at		Frmd5	AW046024	Mm.121514	2	12.641	11.051	12.399	12.160	12.017	11.989	12.213	11.300	10.382	11.005	11.498	11.433	11.174	10.574	11.769	12.357	11.283	11.248	10.695	11.369	12.381	12.031	12.456	12.766
1436244	a	at	Tle2	AU067681	Mm.38608	10	6.794	6.818	6.604	6.787	7.074	6.779	6.620	6.767	7.008	6.959	6.365	6.970	7.040	6.658	6.644	6.718	6.707	7.096	7.047	6.685	6.987	7.079	6.684	6.490
1436245	at		Use20	AV272484	Mm.346654	2	5.650	6.200	5.654	5.761	5.831	5.733	5.827	5.672	5.754	5.540	5.945	5.760	5.715	5.515	5.594	5.671	5.926	5.971	5.777	5.402	5.546	5.688	5.632	
1436246	at			AlB46574	NA	4	4.814	4.415	4.610	4.621	4.820	4.616	4.715	4.630	4.592	4.553	4.577	4.705	4.647	4.592	4.760	4.686	4.824	4.682	4.630	4.578	4.687	4.987		
1436247	at		AE63419122Rik	AW552294	Mm.171304	NA	11	5.202	5.925	5.307	5.216	5.185	5.255	5.469	5.413	5.451	5.579	5.403	5.243	5.043	5.778	5.023	5.045	4.757	5.095	5.379	5.041	5.197	5.114	
1436248	at			AW120749	NA	NA	9	9.644	9.664	9.658	9.512	9.686	9.591	9.539	9.494	9.514	9.741	9.483	9.735	9.722	9.246	10.051	9.582	9.421	9.498	9.464	9.423	9.921	10.191	10.150
1436249	at		Tlll4	BM247455	Mm.260714	1	8.074	7.994	8.007	7.976	7.984	8.048	8.165	8.004	8.034	7.855	8.065	7.782	7.978	8.114	8.041	8.027	7.879	7.984	7.992	7.984	8.019	7.866	7.975	8.067
1436250	at		5430405G05Rik	BM946369	Mm.103494	2	6.723	6.733	6.653	6.633	6.427	6.375	6.543	6.605	6.633	6.579	6.566	6.390	6.453	6.568	6.871	6.497	6.396	6.856	6.574	6.533	6.622	6.516		
1436251	at		Pde1c	BB131735	Mm.5145	6	6.487	6.413	6.485	6.579	6.405	6.678	6.789	6.292	6.310	6.376	6.328	6.303	6.415	6.205	6.439	6.369	6.611	6.597	6.839	6.766	6.604	6.658	6.529	6.470
1436252	at		Sic45a1	BM934007	Mm.29280	4	9.220	8.845	9.142	9.139	8.895	9.050	9.163	9.002	8.962	8.889	9.198	8.863	8.977	8.961	8.970	9.113	8.931	8.920	9.079	9.122	9.073	8.873	9.212	9.174
1436253	at		PeX16	BM938065	Mm.202782	2	6.963	6.922	6.886	6.795	6.814	6.813	6.943	6.917	6.895	6.758	6.807	6.837	6.777	6.891	6.843	7.026	6.880	6.904	6.800	6.705	6.955	6.645	7.010	6.899
1436254	at			BB027042	NA	NA	6	6.459	6.369	6.463	6.418	6.257	6.437	6.242	6.555	6.542	6.413	6.511	6.415	6.335	6.415	6.407	6.483	6.415	6.387	6.415	6.576	6.627	6.284	6.379
1436255	at		D830044116Rik	BB534613	Mm.304201	7	8.772	8.803	8.825	8.552	8.842	8.742	8.399	8.667	8.467	8.229	8.226	8.892	8.298	8.350	8.355	8.457	8.675	8.372	8.369	8.551	8.754	8.694	8.520	8.670
1436256	at		Grrp12	BF225397	Mm.269657	18	7.177	7.207	7.359	7.309	7.198	7.211	7.262	7.167	7.083	7.293	6.992	7.203	7.068	7.018	6.994	7.517	7.117	7.026	7.160	7.199	7.065	7.135	6.835	7.207
1436257	at		Se18	BB199855	Mm.31761	18	7.536	7.660	7.568	7.312	7.742	7.664	7.671	7.666	7.386	7.532	7.371	7.595	7.582	7.693	7.638	7.444	7.523	7.458	7.440	7.569	7.464	7.636	7.539	7.250
1436258	at		Arrhqef9	BE651574	Mm.44841	X	4.003	3.802	3.898	3.813	3.893	3.745	3.918	3.904	3.705	3.892	3.757	3.750	3.757	3.812	3.827	3.846	3.920	3.951	3.793	3.846	3.757	3.851	3.827	3.899
1436259	at		Na	BI134113	NA	NA	6	6.006	6.085	5.958	6.087	5.908	5.958	6.082	6.019	5.915	6.006	5.875	5.756	5.929	5.983	5.927	5.892	5.934	5.931	6.118	6.022	5.945	5.797	5.914
1436260	at		Na	BB131085	NA	NA	7	2.899	7.121	7.397	7.307	7.354	7.302	7.395	7.531	7.422	7.272	7.456	7.305	7.333	7.292	7.357	7.299	7.365	7.319	7.516	7.441	7.237	7.133	7.293
1436261	at		Na	BB723867	NA	NA	4	4.229	4.225	4.246	4.218	4.452	4.206	4.173	4.441	4.223	4.605	4.284	4.611	4.234	4.266	4.224	4.289	4.399	4.313	4.369	4.302	4.311	4.298	4.232
1436262	x	at	Outd5	BB112533	Mm.142827	X	6.216	6.261	5.943	6.404	6.195	6.218	6.145	6.278	6.466	6.032	6.179	6.430	6.211	6.023	6.172	6.168	6.311	6.242	6.212	6.303	6.471	6.362	6.245	6.265
1436263	at		McB02	AlB39848	Mm.40461	9	7.669	7.561	7.669	7.669	7.446	7.718	7.748	7.609	7.509	7.603	7.699	7.525	7.525	7.711	7.494	7.608	7.737	7.534	7.673	7.707	7.563	7.531	7.619	7.581
1436264	at		Bmo25920	BE951528	Mm.131825	10	5.185	4.940	5.255	5.058	4.850	4.937	5.195	5.114	4.805	4.844	4.643	4.850	4.739	4.856	5.026	5.385	5.337	5.169	5.134	5.054	5.242	5.146	5.271	
1436265	at		ENSMUSG000000	BB225226	Mm.131865	5	5.643	5.207	5.554	5.412	5.254	5.617	5.489	5.197	5.365	5.094	5.343	5.350	5.351	5.309	5.261	5.640	5.569	5.444	5.446	5.519	5.479	5.393	5.423	5.555
1436266	x	at	Cbx1	BI440050	Mm.29055	11	8.204	8.326	8.333	8.329	8.192	8.300	8.238	8.158	8.264	8.318	8.152	8.141	8.154	8.356	8.190	8.246	8.082	8.195	8.190	8.204	8.236	8.320	8.170	8.216
1436267	a	at	Frap1	BB127895	Mm.21158	4	8.260	8.101	8.109	8.283	8.060	7.987	8.273	8.157	8.083	8.151	8.041	8.273	8.046	7.928	8.114	8.090	8.244	8.076	8.134	8.059	8.266	8.114	8.182	8.117
1436268	at		Na	Mm.390810	15	6.260	6.157	7.784	7.807	6.966	6.656	6.679	6.675	6.786	6.772	6.786	6.774	6.906	6.790	6.782	6.790	6.782	6.790	6.782	6.790	6.782	6.790	6.782	6.790	6.782
1436269	at		AW323050	BE942570	Mm.21880	6	7.979	8.825	8.692	7.952	8.060	7.917	7.935	8.261	7.905	8.495	8.114	8.261	8.315	8.518	8.119	7.592	8.360	8.277	8.232	7.992	8.144	8.747	7.882	8.040
1436270	at		Cyb5d1	AW536837	Mm.415669	11	8.904	8.932	9.022	8.997	9.103	8.939	8.959	8.349	8.815	8.995	8.610	9.117	8.837	8.817	8.883	8.978	8.748	8.810	8.900	8.913	8.803	8.791	8.869	9.020
1436271	at		Apol7b	BE687174	Mm.440965	15	5.477	5.055	5.260	5.269	5.148	5.289	5.263	5.147	4.997	4.908	5.079	5.076	5.045	5.033	5.086	5.098	5.375	5.232	5.217	5.373	5.235	5.212	5.183	5.176
1436272	at		Rab3gap2	BQ175872	Mm.275841	1	7.653	7.918	7.774	7.804	7.898	7.730	7.702	7.642	7.905	8.038	7.899	7.958	7.865	7.853	7.810	7.761	7.619	7.506	7.730	7.905	7.475	7.844	7.777	7.696
1436273	at		Pms2	BB003110	Mm.29550	5	6.915	6.955	6.787	7.153	7.308	6.973	6.963	6.984	6.964	6.769	6.932	6.754	7.052	6.898	7.042	7.073	6.960	6.964	7.014	7.086	6.910	6.900	7.057	6.929
1436274	at		Mra2	BB183577	Mm.335337	9	7.237	6.813	7.248	6.968	7.176	7.147	7.078	7.186	6.968	6.885	7.065	7.177	7.087	7.160	7.177	7.133	7.061	7.160	7.120	7.366	7.109	7.244	7.294	7.189
1436275	at		Kcnp2	AW490636	Mm.213204	19	11.817	10.561	11.712	12.080	11.548	11.659	11.484	11.311	9.964	10.394	10.885	11.636	11.375	10.365	11.277	11.755	12.291	11.907	11.439	11.954	12.062	12.001	11.730	11.760
1436276	at		Na	BE965656	NA	NA	5	1.174	0.929	1.419	1.158	0.931	1.096	1.158	1.399	0.523	1.960	0.594	0.931	1.0795	0.929	1.412	0.603	0.740	0.603	0.929	0.804	1.298	0.534	0.937
1436277	at		Rnt207	BI734893	Mm.156205	4	9.692	9.289	9.435	10.159	10.186	10.207	9.946	9.741	8.270	7.874	8.821	9.775	9.265	8.517	9.266	9.519	11.322	10.773	10.199	10.457	10.554	10.877	9.851	9.376
1436278	at		Na	BM934468	NA	NA	8	8.009	7.671	8.247	8.053	7.973	8.328	8.108	7.906	7.448	7.884	7.461	7.981	8.027	7.651	8.200	8.350	8.386	8.388	8.168	8.362	8.340	8.349	8.352
1436279	at		Na	AV292356	NA	NA	5	5.679	6.102	5.836	5.420	5.984	6.165	6.379	6.342	5.063	5.974	6.212	5.692	5.911	5.856	5.856	5.969	5.988	6.206	6.062	6.175	6.071	6.177	5.845
1436280	at		Zscan20	BB757838	Mm.153291	4	7.309	6.975	7.123	7.212	6.988	7.030	7.231	7.121	6.969	7.011	6.794	6.961	6.968	6.968	6.899	7.160	6.877	7.017	7.106	6.944	6.977	7.115	7.029	7.487
1436281	at		EG245305	BB465277	Mm.461869	16	4.627	4.892	4.668	4.563	4.718	4.857	4.658	4.768	5.006	4.964	4.480	5.037	4.684	5.155	4.849	4.592	4.535	4.875	4.909	4.537	4.570	4.807	4.418	4.612
1436282	at		4732440D04Rik	AW420299	Mm.441824	1	4.255	3.997	4.196	4.218	4.212	4.351	4.121	4.203	4.232	4.381	4.401	4.259	3.											

1436331	at	Vps13d	AV322581	Mm.240310	4	9.078	8.672	9.144	9.158	8.858	9.210	8.955	8.665	8.316	8.483	8.528	8.692	8.462	8.300	8.852	9.110	9.376	8.985	9.171	9.091	9.105	9.190	9.317		
1436332	at	Hsb66	BB755506	Mm.34885	7	14.307	14.217	14.152	14.167	14.382	14.230	14.346	14.494	13.968	14.139	14.528	14.248	14.156	14.269	14.248	14.132	14.174	14.305	14.366	14.244	14.321	14.242	14.075	14.319	
1436333	a at	Svn11	BM232846	Mm.187079	16	8.863	9.118	8.889	8.775	8.906	8.790	8.839	8.797	9.254	9.142	8.769	9.018	9.084	9.055	8.833	8.833	8.820	8.876	8.728	8.751	8.734	8.949	8.647	8.905	
1436334	at	Svn11	BM232846	Mm.187079	16	8.601	8.991	8.854	8.614	8.837	8.777	8.692	8.481	8.858	8.969	8.567	8.919	8.721	8.948	8.751	8.769	8.571	8.686	8.677	8.695	8.824	8.738	8.652	8.819	
1436335	at	Plec12	B1732150	Mm.379458	4	7.681	7.335	7.454	7.452	7.471	7.391	7.572	7.397	7.435	7.344	7.568	7.255	7.628	7.446	7.563	7.569	7.458	7.234	7.393	7.531	7.751	7.410	7.587		
1436336	at	Prr10	AV075452	Mm.268037	2	8.502	8.225	8.011	8.378	8.544	8.120	8.283	8.477	9.573	9.022	8.914	8.625	8.487	8.547	9.206	8.202	8.275	8.124	8.055	8.342	8.248	8.080	8.028	8.176	8.210
1436337	at	4930420K17RIK	BF453911	Mm.439954	5	6.500	6.314	6.754	6.500	6.456	6.484	6.805	6.384	6.478	6.499	6.411	6.464	6.482	6.536	6.333	6.504	6.705	6.686	6.568	6.899	6.753	6.675	6.962	8.214	
1436338	at	NA	BF730541	NA	NA	9.806	9.592	9.962	9.826	9.821	9.888	9.533	9.530	9.655	9.914	9.478	9.772	9.769	9.573	9.777	10.026	9.662	9.934	9.847	9.651	9.568	9.838	9.675	9.740	
1436339	at	1810058124RIK	BE627374	Mm.228046	6	12.156	12.208	12.011	12.130	12.518	12.193	12.212	12.676	12.618	12.407	12.314	12.880	12.655	12.211	12.371	12.124	12.733	12.638	12.382	12.319	12.669	12.726	12.298	12.005	
1436340	at	9630041G16RIK	BO177224	Mm.40637	4	6.520	6.286	6.340	6.426	6.315	6.459	6.415	6.351	6.502	6.120	6.526	6.263	6.344	6.530	6.301	6.484	6.336	6.466	6.299	6.542	6.381	6.622	6.484	6.491	
1436341	at	Hmbox1	BM125569	Mm.344074	14	7.936	8.247	8.049	8.671	8.300	7.967	7.633	7.702	7.810	7.920	7.711	7.623	7.832	7.743	8.099	7.906	7.901	8.082	8.007	8.135	8.022	7.669	7.919	8.049	
1436342	at	Ubnx1	BM041099	Mm.27839	19	10.281	10.888	10.313	10.386	10.710	10.323	10.411	10.696	10.861	10.868	10.639	11.205	10.785	10.839	10.702	10.250	10.334	10.697	10.570	10.483	10.274	10.232	10.380	10.339	
1436343	at	Chd4	BM502696	Mm.333388	6	9.827	10.431	9.683	10.084	10.445	9.976	9.717	10.438	10.544	10.239	10.137	10.616	10.540	9.915	10.091	9.810	10.626	10.601	10.226	10.161	10.302	10.335	9.877	9.649	
1436344	at	5830404H04RIK	BB005022	Mm.1465	16	8.360	8.085	8.355	8.250	8.307	8.142	8.156	8.265	8.280	8.145	8.326	8.312	8.309	8.272	8.185	8.382	8.148	7.929	8.231	7.964	8.396	8.279	8.540	8.321	
1436345	at	57305559C18RIK	BF580053	Mm.36763	1	6.369	6.522	6.232	6.223	6.071	6.010	6.172	6.153	6.420	6.204	6.467	6.185	6.405	6.862	6.102	6.253	6.112	5.933	6.178	6.298	6.187	5.984	6.123	6.090	
1436346	at	Cd109	AV246882	Mm.32955	9	7.519	8.299	7.247	7.275	8.077	7.756	7.121	8.039	8.622	8.727	8.091	7.870	8.368	8.263	8.443	7.153	7.395	7.503	7.346	7.495	7.288	7.353	7.435	7.014	
1436347	a at	5530601H04RIK	BB501229	Mm.242968	X	5.193	5.307	5.217	5.097	5.179	5.331	5.177	5.237	5.855	5.492	5.221	5.626	5.587	5.163	5.371	5.129	5.456	5.117	4.958	4.994	5.228	5.258	5.048	4.870	
1436348	at	Gm505	BB447409	Mm.67155	8	10.062	10.122	10.116	9.928	10.036	10.027	10.005	9.980	9.914	10.008	9.950	9.926	10.026	9.971	10.009	10.166	9.906	10.021	10.043	9.971	9.917	10.077	10.196	9.863	
1436349	at	2700094K13RIK	BI408855	Mm.259239	2	9.517	10.751	9.461	9.738	10.122	9.964	9.716	10.398	10.611	10.327	10.082	9.841	9.864	10.340	9.808	9.437	9.255	10.103	9.950	9.752	10.028	10.179	9.569	9.436	
1436350	at	Dv30039N05RIK	BM117463	Mm.430351	2	5.719	6.100	5.576	5.831	6.116	5.772	5.866	6.041	6.860	6.676	5.818	6.374	6.810	6.431	6.175	5.814	5.757	5.758	5.818	5.777	5.649	5.777	5.148	5.390	
1436351	at	Coa3	C78422	Mm.5662	4	9.937	10.777	11.167	10.999	10.559	11.071	11.173	10.708	10.126	10.405	10.582	10.426	10.132	10.665	10.532	11.183	11.040	11.190	11.420	11.269	10.901	10.921	10.949	11.351	
1436352	at	Cep78	BF226994	Mm.105652	19	6.865	6.982	6.762	6.930	6.847	6.813	6.924	7.379	6.971	7.043	6.954	7.029	7.274	7.061	6.954	7.028	7.347	7.101	7.130	6.956	7.022	6.999	6.849	6.727	
1436353	at	A230046K03RIK	AV018634	Mm.278577	10	8.040	8.723	8.299	8.184	8.372	8.460	8.295	8.289	8.583	8.772	8.138	8.491	8.398	8.713	8.544	8.354	8.004	8.027	8.194	8.073	8.247	8.552	8.333	8.373	
1436354	at	Dzip11	BE992423	Mm.221455	9	7.859	7.585	7.933	7.938	7.976	7.837	7.906	7.863	8.149	8.018	8.089	7.884	8.159	8.061	8.025	7.958	7.476	7.909	8.009	7.999	7.736	7.523	7.847	7.884	
1436355	at	Fads6	BE136429	Mm.21995	11	4.861	4.739	4.791	4.873	4.475	4.772	4.822	4.829	4.879	4.738	4.698	4.672	4.772	4.735	4.775	4.691	4.647	4.671	4.859	4.808	4.887	4.483	4.647	4.689	
1436356	at	Samd4	AW107196	Mm.269139	14	9.371	9.203	9.244	9.296	9.643	9.254	9.169	9.605	9.150	9.429	9.440	9.732	9.568	9.001	9.584	9.312	9.309	9.242	9.039	9.256	9.352	9.355	9.355	9.546	
1436357	at	Nr1h9	BE478590	Mm.27839	NA	9.371	9.203	9.244	9.296	9.643	9.254	9.169	9.605	9.150	9.429	9.440	9.732	9.568	9.001	9.584	9.312	9.309	9.242	9.039	9.256	9.352	9.355	9.355	9.546	
1436358	at	Ataf1	AV333459	Mm.109600	4	9.887	8.479	9.920	9.920	8.708	9.957	9.929	8.608	9.042	9.955	9.311	9.692	9.400	9.496	9.685	10.176	10.165	10.165	10.212	10.239	9.967	10.020	9.823	10.009	
1436359	at	Ret	BF471533	Mm.57199	6	6.885	6.136	6.544	6.533	6.345	6.259	6.530	6.269	5.815	5.880	6.278	6.019	5.894	6.275	5.807	6.740	6.245	6.318	6.314	6.500	6.330	6.688	6.366	6.195	
1436360	at	Zscan22	BB811893	Mm.40706	7	7.485	7.480	7.763	7.379	7.428	7.716	7.678	7.387	7.616	7.645	7.549	7.585	7.597	7.844	7.618	7.614	7.679	7.720	7.616	7.708	7.417	7.375	7.580	7.590	
1436361	at	Vgll2	BG791772	Mm.87237	10	6.974	6.486	6.879	6.704	6.673	6.722	6.817	6.949	6.569	6.779	6.886	6.858	6.359	6.613	6.468	6.816	6.559	6.578	6.381	6.294	7.040	7.035	6.640	6.699	
1436362	x at	100043775	AA798895	NA	14	8.341	8.576	8.658	8.713	8.889	8.580	8.506	8.197	8.196	8.203	8.806	8.685	8.310	8.271	8.424	8.581	8.341	8.391	8.266	8.219	8.356	8.362	8.682	8.710	
1436363	a at	Nfix	AW049660	Mm.9394	8	11.297	11.398	11.573	11.924	11.926	11.750	11.672	12.047	11.997	11.773	11.224	12.362	12.053	11.635	11.716	11.449	12.227	12.156	11.616	11.659	11.930	12.429	11.276	11.643	
1436364	x at	Nfix	AW049660	Mm.9394	8	10.913	11.092	11.147	11.500	11.489	11.470	11.622	11.602	11.462	11.290	10.907	11.879	11.583	11.260	11.303	11.049	11.793	11.755	11.290	11.405	11.478	11.951	11.004	11.172	
1436365	at	C330460	BB391256	Mm.430350	13	7.993	7.430	7.898	7.953	7.516	7.477	7.521	7.206	7.865	7.956	7.446	7.625	7.506	7.493	7.395	7.352	7.456	7.400	7.338	7.481	7.547	7.964	7.455	7.120	
1436366	at	Ppn1r15b	BE865320	Mm.293628	1	6.683	6.729	6.574	6.577	6.509	6.534	6.531	6.603	6.676	6.646	6.399	6.567	6.750	6.360	6.398	6.480	6.760	6.633	6.546	6.550	6.660	6.527	6.794	6.644	
1436367	at	NA	BB119527	NA	NA	10.802	10.498	10.770	10.748	10.857	10.828	10.499	11.059	10.751	10.956	10.797	11.143	11.095	10.603	11.120	10.844	10.952	10.954	10.776	10.870	11.214	11.260	11.139	10.982	
1436368	at	Slc16a10	BB164036	Mm.186778	10	8.127	8.358	8.242	8.497	8.284	8.500	8.538	7.911	8.302	8.375	8.245	8.088	8.147	8.661	8.219	8.362	8.044	8.399	8.503	8.361	8.206	8.298	8.538	8.639	
1436369	at	2900076A07RIK	BE634810	Mm.217071	7	5.246	5.159	5.254	5.205	5.299	5.061	5.285	5.446	5.187	5.252	5.072	5.403	5.172	5.116	5.109	5.190	5.644	5.304	5.447	5.239	5.264	5.523	5.326	5.121	
1436370	at	Gpr2c2	AI893437	Mm.222720	6	5.643	5.371	5.632	5.536	5.553	5.480	5.989	5.692	5.815	5.597	5.681	5.381	5.572	5.596	5.553	5.585	5.583	5.629	5.614	5.647	5.641	5.519	5.768	5.651	

1436420	a	at	Ipo4	BB390936	Mm.27546	14	10.670	11.331	10.598	10.656	11.013	10.409	10.636	10.734	11.216	11.246	11.140	11.266	10.974	11.268	10.838	10.557	10.648	10.655	10.574	10.670	10.850	10.504	10.544		
1436421	s	at	Arpc5l	BB403233	Mm.38155	2	11.171	10.817	11.452	11.219	11.101	11.515	11.549	11.391	10.458	10.742	11.127	10.963	10.888	10.813	11.271	11.322	11.384	11.416	11.460	11.492	11.325	11.436	11.424	11.477	
1436422	at		BC026590	BB459141	Mm.268148	4	7.209	7.752	7.344	7.097	7.680	7.371	7.259	7.315	7.677	7.530	7.297	7.379	7.556	7.655	7.279	7.239	7.145	7.091	7.151	7.157	7.141	7.204	7.115	7.289	
1436423	at		E430004N04Rik	BE628523	Mm.123021	10	7.326	6.995	6.964	7.222	7.187	7.095	7.031	7.150	7.267	6.845	7.257	7.100	7.117	7.187	6.924	7.235	7.113	7.175	7.163	7.248	7.151	7.036	7.262	7.384	
1436424	at		1600020E01Rik	BC071028	Mm.249174	6	8.832	8.726	9.057	9.025	8.954	8.905	8.798	8.952	8.985	8.970	9.080	8.912	8.906	8.722	9.067	8.952	8.719	8.703	8.723	8.749	8.902	8.992	9.078	8.944	
1436425	at		Kank4	BB486252	Mm.440211	4	6.021	5.782	6.004	6.162	6.100	5.92	6.048	6.073	5.978	6.139	6.236	6.34	5.978	6.124	5.968	5.954	5.910	6.708	5.835	5.950	5.932	6.065	5.820	5.750	
1436426	at		Cc2d20a	BF464165	Mm.44434	5	8.615	8.628	8.872	9.115	9.077	9.529	9.154	8.912	8.525	8.880	8.536	8.748	8.797	8.810	8.898	8.768	9.294	9.450	9.552	9.361	8.898	8.840	8.846	8.796	
1436427	at		Prpf4b	BB344827	Mm.10027	13	8.289	8.240	8.477	8.267	8.281	8.537	8.400	7.686	7.933	8.291	8.048	8.235	8.262	8.264	8.482	8.565	7.502	8.012	8.199	8.334	8.049	8.053	8.594	8.367	
1436428	at		Chrn2b	AV220367	Mm.35088	3	6.857	6.348	6.806	6.657	6.580	6.488	6.575	6.586	6.567	6.451	6.568	6.478	6.469	6.582	6.754	6.586	6.536	6.681	6.664	6.639	6.662	6.547	6.598	6.623	
1436429	at		Zfp606	BB198855	Mm.98929	7	7.396	7.238	7.492	7.396	7.290	7.332	7.502	7.253	7.369	7.292	7.362	7.215	7.265	7.476	7.374	7.459	7.366	7.464	7.353	7.825	7.341	7.369	7.575	7.438	
1436430	at		B430105G09Rik	BB321498	Mm.474159	1	5.987	5.904	6.040	5.944	5.962	6.044	5.908	6.045	6.068	5.840	6.093	6.143	6.084	6.027	6.016	6.074	6.111	5.816	6.009	6.185	6.075	5.917	5.982	5.759	
1436431	at		1700025G04Rik	AV557527	Mm.278031	1	10.653	10.779	10.609	10.201	10.716	9.946	10.300	10.809	10.654	10.895	11.105	10.448	10.583	10.263	10.481	10.574	9.966	10.213	10.465	10.125	9.818	10.130	10.028	10.108	
1436432	at		B23034305Rik	BM941461	Mm.94153	16	4.610	4.394	4.514	4.553	4.480	4.592	4.698	4.501	4.413	4.376	4.618	4.651	4.418	4.515	4.702	4.582	4.365	4.899	4.476	4.701	4.430	4.539	4.586	4.475	
1436433	at		BC049762	AV264828	Mm.80975	11	6.709	6.415	6.706	6.594	6.522	6.497	6.746	6.874	6.684	6.746	6.644	6.681	6.826	6.704	6.542	6.526	6.618	6.726	6.773	6.731	6.477	6.662	6.676	6.680	
1436434	at		E2f2	BG967674	Mm.307932	4	7.093	7.328	7.174	6.951	7.071	7.009	7.040	7.058	7.129	7.101	7.226	6.993	6.942	7.388	6.933	7.052	6.921	6.923	7.050	7.114	6.981	6.866	6.947	7.011	
1436435	at		9530026P05Rik	BB277190	Mm.210197	6	6.871	6.113	7.005	6.755	6.477	6.729	6.773	6.109	6.317	6.252	6.695	6.380	6.363	6.518	6.477	6.943	6.937	6.986	6.733	6.897	6.870	6.918	6.935	6.691	
1436436	at		Cnih4	BM121151	Mm.38229	1	9.607	9.909	9.618	9.781	10.098	9.872	9.760	9.872	9.895	9.985	9.972	10.142	9.941	9.644	9.797	9.714	10.043	10.111	9.867	9.903	9.667	9.802	9.574	9.714	
1436437	at		Gm97	BM26128	Mm.297596	19	7.981	7.498	7.740	7.929	7.778	7.792	7.944	7.824	7.877	7.792	7.857	7.663	7.776	7.698	7.910	7.933	7.947	7.923	7.510	8.043	7.867	7.946	7.842	8.004	
1436438	s	at	Wdr22	BB234499	Mm.220310	12	9.537	9.259	9.774	9.853	8.995	9.789	9.728	9.477	9.347	9.635	9.341	9.998	9.709	9.349	9.699	9.799	9.984	9.977	9.830	9.914	9.716	9.837	9.756	9.915	
1436439	at		1700016G14Rik	AV266901	Mm.390564	13	4.096	3.800	4.046	3.941	3.784	4.020	3.911	3.769	3.745	3.841	4.068	3.837	3.764	3.868	3.963	4.073	3.914	4.015	3.978	4.277	3.908	3.837	4.043	3.974	
1436440	at		Slc25a12	BB303952	Mm.30928	2	8.358	7.964	8.366	8.219	8.215	8.354	8.243	7.943	7.634	7.804	8.363	7.865	7.720	8.025	8.053	8.480	8.171	9.005	8.937	8.754	8.374	8.046	8.442	8.859	
1436441	at		NA	AV230399	NA	NA	6.782	6.511	6.738	6.669	6.947	6.768	6.696	6.615	6.621	6.532	6.715	6.751	6.795	6.566	6.668	6.557	6.627	6.618	6.936	6.692	6.759	6.627	6.580	6.743	
1436442	at		Pton14	AV230438	Mm.4498	1	7.045	6.881	6.934	7.111	6.989	6.941	6.868	6.931	6.926	6.791	6.781	6.779	6.852	6.916	6.743	6.819	6.880	6.827	6.802	7.088	6.837	6.943	7.104	7.092	
1436443	a	at	Kdelc1	BM198314	Mm.281174	1	10.140	10.554	10.335	10.137	10.409	10.246	10.328	10.308	10.534	10.526	10.080	10.443	10.616	10.635	10.312	10.195	10.374	10.273	10.453	10.212	10.016	10.116	10.054	10.027	
1436444	at		6030405A18Rik	AV319257	Mm.51187	3	5.494	5.196	4.891	5.192	5.114	5.235	5.176	5.044	5.100	5.032	4.943	5.293	5.169	5.136	4.978	5.228	4.968	5.142	5.208	5.294	5.061	5.082	5.074	5.141	
1436445	at		Gm996	BB804363	Mm.379511	2	6.204	5.950	6.036	6.165	6.114	6.191	6.150	6.204	6.450	6.255	6.121	6.052	6.054	6.333	6.273	6.204	6.319	6.435	6.363	6.411	6.170	6.212	6.174	6.142	
1436446	at		Z310007O11Rik	BB071612	Mm.440088	18	9.719	9.717	9.925	9.725	9.854	9.767	9.700	9.852	9.798	9.806	9.529	9.659	9.529	9.654	9.424	9.544	9.641	9.744	9.645	9.841	9.746	9.645	9.746	9.645	
1436447	at		BB125550	Mm.440694	2	7.000	7.317	7.252	7.075	7.283	7.355	6.978	7.127	6.920	7.087	6.922	7.232	7.350	7.363	6.275	7.223	7.351	4.884	7.000	7.341	4.884	7.000	7.341	4.884	7.000	
1436448	a	at	Ptpn11	AA831346	Mm.275434	2	6.627	6.724	6.915	6.598	7.106	6.970	6.638	7.033	6.973	7.162	6.810	7.402	7.299	6.888	7.443	6.782	6.897	7.035	6.950	6.975	7.158	7.226	6.977	7.047	
1436449	at		NA	BB284627	NA	NA	4.389	4.171	4.267	4.184	4.410	4.291	4.545	4.278	4.209	4.318	4.219	4.206	4.362	4.166	4.287	4.379	4.284	4.302	4.331	4.425	4.382	4.180	4.053	4.330	
1436450	at		D11Bwg0517e	BE945919	Mm.341103	11	7.593	7.295	7.462	7.422	7.286	7.236	7.480	7.374	7.159	7.251	7.395	7.177	7.251	7.391	7.400	7.307	7.366	7.262	7.410	7.416	7.290	7.374	7.292	7.479	
1436451	a	at	Tmed2	AW824211	Mm.425279	5	13.298	13.489	13.198	13.300	13.342	13.290	13.179	13.070	13.476	13.489	13.160	13.266	13.341	13.536	13.269	13.175	13.016	13.083	13.244	13.070	13.014	13.014	13.232	13.189	
1436452	x	at	Tmed2	AW824211	Mm.425279	5	12.631	12.802	12.552	12.549	12.618	12.564	12.508	12.514	12.759	12.784	12.532	12.591	12.657	12.806	12.592	12.524	12.395	12.430	12.548	12.394	12.431	12.490	12.539	12.453	
1436453	at		BB144871	Mm.476085	7	3.819	3.723	3.785	3.858	3.977	4.922	3.885	3.740	3.626	4.236	3.917	4.033	3.692	3.965	4.013	4.033	4.384	4.348	4.586	4.013	4.005	4.024	3.896	4.057		
1436454	at		Asph	BB556938	Mm.304252	13	11.195	9.054	11.613	11.321	12.786	11.221	11.379	11.092	11.776	11.928	11.325	11.905	11.952	11.895	11.904	11.628	11.399	11.628	11.399	11.628	11.399	11.628	11.399	11.628	11.399
1436455	at		Slc8b	BB176256	Mm.239247	4	6.668	7.034	6.645	6.639	6.505	6.830	7.175	7.108	6.442	6.773	6.939	7.091	6.711	6.601	6.924	6.771	6.821	6.901	7.069	6.791	7.009	6.888	7.047	6.810	
1436456	at		Asch38a9	BO031896	Mm.259799	13	7.402	7.581	7.434	7.193	7.230	7.426	7.773	7.061	7.284	7.476	6.683	7.205	7.093	7.546	7.368	7.182	7.233	7.187	7.457	7.352	7.230	7.369	7.703	7.568	
1436457	at		F830028O17Rik	BB485100	Mm.440926	17	6.214	6.568	6.051	6.134	6.284	6.161	5.983	6.397	6.410	6.212	6.056	6.371	6.269	6.052	6.181	5.931	6.321	6.259	6.154	6.083	5.927	6.185	6.315	6.171	
1436458	at		Sema6a	AI606937	Mm.40909	18	7.310	7.132	7.541	7.543	7.754	7.642	7.629	7.577	7.268	7.332	7.741	7.940	7.881	7.505	7.735	7.510	7.872	7.999	7.786	7.942	7.687	7.881	7.537	7.577	
1436459	at		NA	BO073622	NA	NA	6.205	6.702	5.981	6.383	6.632	6.530	6.126	6.455	7.022	6.752	6.4														

1436509 a	Lr110014A08Rik	BB000110	Mm.153963	5	9.355	10.666	9.274	9.231	9.567	9.259	9.308	9.678	10.541	10.443	9.903	10.143	9.927	10.395	9.458	9.187	8.990	9.133	9.265	9.072	8.978	9.052	9.037	8.866	
1436510 a	Lr4102	B565782	Mm.302287	9	11.295	11.233	11.233	11.267	11.223	11.212	11.361	11.126	10.848	11.004	11.150	11.669	11.340	11.152	10.841	11.155	10.995	10.824	10.644	10.654	10.965	11.119	10.846	10.870	
1436511 at	BC031781	B5935102	Mm.272625	1	8.628	8.853	8.816	8.778	7.481	8.933	8.725	8.099	8.599	8.703	8.993	8.382	8.495	8.704	8.666	8.904	8.435	8.387	8.565	8.603	8.419	8.319	9.011	9.052	
1436512 at	Ar14c	BI964400	Mm.27968	1	9.182	10.187	8.889	9.001	9.430	8.888	9.170	9.556	10.317	9.923	9.976	9.530	9.714	9.975	9.394	9.019	8.932	8.765	8.824	8.901	8.976	8.891	8.804	8.726	
1436513 at	Tanc4	BM208226	Mm.22501	11	7.812	8.119	7.666	8.015	8.172	8.084	7.955	7.639	8.354	8.202	8.058	8.448	8.399	8.161	8.034	7.877	7.974	7.995	7.961	7.794	7.764	7.662	7.824	7.483	
1436514 at	Gpnc2	B8530698	Mm.1528	X	8.254	8.241	8.306	8.267	8.572	8.332	8.287	8.533	8.534	8.765	8.351	8.494	8.579	8.149	8.581	8.255	8.331	8.481	8.514	8.459	8.218	8.223	8.397	8.610	
1436515 at	B8530698	B8530698	Mm.1528	4	7.433	7.963	7.963	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	7.908	
1436516 at	Abhdh3	AV246754	Mm.142570	8	7.867	8.063	8.224	8.040	8.001	8.269	8.174	7.543	8.038	8.119	7.800	8.107	8.150	8.177	8.154	8.152	7.994	7.719	8.293	8.252	7.863	7.964	8.268	8.180	
1436517 at	H1fx	BI416101	Mm.337796	6	6.542	6.551	6.311	6.566	6.502	6.433	6.294	6.603	6.754	6.460	6.561	6.711	6.710	6.515	6.422	6.421	6.598	6.466	6.424	6.730	6.582	6.531	6.475	6.191	
1436518 at	Usp46	BM231854	Mm.48795	5	9.415	9.592	9.713	9.616	9.589	9.746	9.740	9.270	9.329	9.507	9.384	9.614	9.597	9.655	9.588	9.683	9.445	9.625	9.735	9.695	9.410	9.411	9.579	9.468	
1436519 a	L1110057K04Rik	B8534387	Mm.25608	12	9.143	9.264	9.235	9.225	9.289	9.196	9.134	9.037	9.242	9.287	9.915	9.395	9.152	9.116	9.024	9.112	9.508	9.589	9.388	9.217	9.331	9.287	9.976	9.032	
1436520 at	Ahnac2	B8378317	Mm.313169	12	9.600	9.841	9.091	9.328	10.015	9.679	9.060	9.993	11.264	11.247	9.591	11.211	11.372	10.192	10.627	9.950	9.807	9.662	9.584	9.202	9.355	9.924	8.867	8.573	
1436521 at	Slc36a2	BM195194	Mm.291280	12	8.264	7.995	8.956	9.255	8.352	9.132	8.921	8.378	7.421	7.651	7.723	8.488	8.066	7.482	8.661	8.926	9.168	9.166	9.166	9.166	9.166	9.166	9.166	9.166	
1436522 at	Mm2929	B8530698	Mm.291280	12	8.264	7.995	8.956	9.255	8.352	9.132	8.921	8.378	7.421	7.651	7.723	8.488	8.0	7.482	8.661	8.926	9.168	9.166	9.166	9.166	9.166	9.166	9.166	9.166	
1436523 s	at	B81022K09Rik	AV111033	3	9.667	10.267	9.540	9.445	9.576	9.580	9.666	10.363	10.149	9.766	9.672	9.822	9.704	9.855	9.643	9.342	10.104	10.039	9.575	9.527	10.064	10.275	9.493	9.350	
1436524	at	48334BC02Rik	AV251102	9	6.476	7.008	6.553	6.594	6.398	6.734	6.093	6.628	7.061	6.935	6.375	6.782	7.029	6.780	6.393	6.510	6.386	6.100	6.268	6.246	6.229	6.122	6.051	6.005	
1436525	at	Asn32	AV225391	7	8.935	8.760	8.895	8.944	8.846	8.898	8.968	8.551	8.687	8.841	8.661	8.758	8.835	8.758	8.760	8.932	8.717	8.762	8.903	8.931	8.721	8.707	8.978	8.795	
1436526	at	Gnpt2	BI965034	Mm.38607	17	6.930	6.624	6.775	6.883	6.957	6.677	6.690	6.838	6.390	6.731	6.225	7.127	6.615	6.606	6.476	6.777	7.300	6.861	6.598	6.677	7.012	6.994	6.579	6.772
1436527	at	NA	B0128493	NA	7.131	6.919	7.107	7.115	6.963	7.000	6.960	7.049	6.651	6.802	7.097	6.845	6.937	7.118	7.015	7.167	7.042	7.138	7.092	7.031	7.256	7.133	7.151	7.198	
1436528	at	NA	B0128493	NA	7.131	6.919	7.107	7.115	6.963	7.000	6.960	7.049	6.651	6.802	7.097	6.845	6.937	7.118	7.015	7.167	7.042	7.138	7.092	7.031	7.256	7.133	7.151	7.198	
1436529	at	Gr123	BI130044	Mm.39863	7	7.080	6.948	7.135	6.979	6.986	7.050	7.091	7.076	6.685	6.952	6.997	7.025	6.966	6.987	6.975	6.994	6.901	6.936	7.189	7.083	6.976	7.041	7.104	
1436530	at	OTTMUSG000000	AA666504	Mm.24097	11	9.119	9.658	8.874	9.301	8.765	9.002	9.900	8.828	9.933	9.518	9.364	8.994	9.080	9.606	8.959	8.843	8.403	8.413	9.074	8.720	8.848	8.632	8.756	8.883
1436531	at	Metad1	BB447764	Mm.289329	10	8.806	8.833	8.806	8.738	8.962	9.049	8.801	8.909	8.592	8.733	8.746	8.919	8.572	8.692	8.868	8.818	9.123	9.004	9.059	9.043	8.864	9.195	9.027	8.987
1436532	at	DclK3	BB326709	Mm.26361	9	5.317	5.269	5.216	5.237	5.730	5.298	5.514	5.465	5.582	5.608	5.349	5.692	6.317	5.577	5.568	5.110	5.338	5.510	5.276	5.053	5.230	5.511	5.222	5.300
1436533	at	Trove2	BI176653	Mm.40370	1	8.517	9.175	8.613	8.784	7.185	8.672	9.108	9.958	9.155	9.558	9.943	9.248	9.283	8.936	9.160	8.645	8.580	8.790	9.112	8.850	8.604	8.728	8.719	8.812
1436534	at	Trove2	BI176653	Mm.40370	1	8.555	10.312	9.740	9.758	10.158	9.962	10.090	10.309	10.514	10.594	9.886	10.390	10.294	10.183	10.216	9.826	9.799	9.704	9.928	9.646	9.680	10.039	9.571	9.524
1436535	at	NA	BI176653	Mm.40370	1	8.555	10.312	9.740	9.758	10.158	9.962	10.090	10.309	10.514	10.594	9.886	10.390	10.294	10.183	10.216	9.826	9.799	9.704	9.928	9.646	9.680	10.039	9.571	9.524
1436536	at	Exoc3	AW108488	Mm.40228	8	6.948	6.876	6.657	6.889	6.722	6.820	6.745	7.315	6.887	6.952	7.089	7.050	7.040	6.824	6.939	7.004	7.064	6.719	6.860	6.669	6.832	7.277	6.595	
1436537	at	Zfp629	BI197787	Mm.156718	7	8.308	8.265	8.465	8.482	8.461	8.541	8.397	8.075	8.084	8.234	8.049	8.409	8.228	8.243	8.417	8.641	8.677	8.832	9.035	8.872	8.419	8.289	8.497	8.442
1436538	at	Ankrd37	AV084342	Mm.334517	8	7.952	8.066	7.919	7.948	7.996	7.691	7.786	8.695	7.974	7.912	7.396	8.085	7.828	7.772	8.321	7.985	7.985	7.784	7.728	7.887	8.580	8.517	8.276	8.078
1436539	at	C1mn	QD266254	Mm.24708	12	6.490	6.259	6.374	6.554	6.554	6.334	6.329	6.455	6.465	6.383	6.582	6.515	6.477	6.508	6.697	6.252	6.621	6.516	6.516	6.759	6.671	6.668	6.838	6.547
1436540	at	NA	B0031149	NA	8.563	8.549	8.567	8.488	8.559	8.667	8.641	8.446	8.567	8.763	8.129	8.637	8.138	8.247	8.794	8.551	8.748	8.640	8.648	8.554	8.481	8.441	8.782	8.269	
1436541	at	2310008H09Rik	BB436527	Mm.475941	12	9.435	9.427	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	9.435	
1436542	at	NA	BE948730	NA	9.145	9.064	9.300	9.547	9.312	8.981	9.007	2.562	9.135	9.235	9.074	9.394	9.545	9.252	9.104	9.424	9.851	9.105	9.073	9.108	9.149	9.014	9.417	9.415	
1436543	at	Gtpb010	BM171287	Mm.323984	5	6.651	6.548	6.523	6.636	6.310	6.670	6.686	6.827	6.463	6.320	6.331	6.365	6.211	6.376	6.400	6.581	6.725	6.766	6.784	6.667	6.726	7.013	6.630	6.618
1436544	at	Atp10d	BM017699	Mm.32775	5	8.895	8.948	9.281	8.907	9.677	9.404	9.479	8.773	9.315	9.278	9.256	8.966	9.528	9.674	9.173	9.270	9.181	8.809	9.697	9.902	9.619	9.706	9.270	9.447
1436545	at	Dtx4	AV017487	Mm.247695	19	8.482	8.628	8.244	8.764	8.617	8.615	8.851	8.237	8.839	8.857	8.256	8.616	8.700	8.914	8.723	8.814	8.354	8.399	8.914	8.639	8.822	8.313	8.841	8.811
1436546	at	NA	BM502719	NA	9.935	10.282	9.893	10.117	10.509	10.280	9.989	10.181	10.494	10.565	10.155	10.475	10.617	10.262	10.372	9.852	10.141	10.256	10.329	10.167	9.903	9.964	9.928	9.687	9.687
1436547	at	18k10	Mm.153695	11	7.528	7.703	7.821	7.834	7.569	7.715	7.772	7.679	7.493	7.585	7.562	7.620	7.602	7.737	7.852	7.574	7.853	8.072	7.881	7.804	7.632	7.769	7.817	7.817	
1436548	at	181012P15Rik	BM258932	11	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430	8.430
1436549	a	Hnnpa1	BE685966	Mm.237064	15	9.394	9.391	9.371	9.494	9.330	9.701	9.575	9.063	9.135	9.251	9.613	9.311	9.271	9.402	9.597	9.250	9.354	9.488	7.997	9.470	9.322	9.556	9.686	9.665
1436550	at	Fbno30	BM706685	Mm.276229	10	6.860	7.946	8.498	8.261	8.13																			

1436598	at	Icos	AV313923	MM.42044	1	7.083	6.715	6.888	6.984	6.800	6.813	6.788	6.846	6.864	6.787	7.021	6.593	6.935	6.783	6.630	6.762	6.647	6.545	6.849	7.000	6.764	6.650	6.818	6.830
1436599	at	NA	BB314596	NA	NA	8	7.237	6.510	7.216	7.143	6.751	7.020	7.159	6.813	6.630	7.015	6.998	6.940	6.832	6.836	7.082	7.143	7.218	7.267	6.993	7.104	6.977	7.067	7.134
1436600	at	Box3	BM119957	Mm.302755		8	6.998	7.553	7.706	7.280	7.483	7.324	7.290	8.274	7.355	8.592	7.347	8.562	8.941	8.120	8.281	7.704	8.044	7.850	7.593	7.255	7.879	7.944	7.659
1436601	at	Box46	B0043107	Mm.230830		6	6.191	6.713	6.660	6.983	6.870	6.591	6.815	6.733	6.735	6.822	6.877	6.670	6.776	6.656	6.668	6.882	6.816	6.702	6.773	6.719	7.029	6.747	6.902
1436602	x at	Csca11b	AV326490	Mm.4424	2	4.169	4.114	4.014	4.053	3.988	3.986	4.012	4.077	4.065	3.978	4.060	4.084	4.023	4.058	4.401	4.176	4.138	4.138	4.138	4.138	4.138	4.138	4.138	4.138
1436603	at	TLI2	BB339498	Mm.36746	5	8.536	8.311	8.675	8.603	8.573	8.508	8.421	8.296	8.765	8.583	8.486	8.572	8.613	8.506	8.594	8.633	8.417	8.591	8.537	8.623	8.485	8.460	8.535	8.623
1436604	at	Tb13	BG144520	Mm.388573	6	6.338	6.128	6.255	6.355	6.452	6.059	6.103	6.315	6.411	5.990	6.131	6.076	6.102	6.197	6.098	6.228	6.063	6.145	6.199	6.199	6.199	6.199	6.199	6.199
1436605	at	Tkt	BB022982	Mm.290692	14	5.850	5.954	5.701	5.914	6.064	5.808	5.956	5.800	6.019	5.799	5.949	5.814	5.832	5.820	5.747	5.755	5.889	5.764	6.001	5.891	5.885	6.037	5.935	5.961
1436606	at	Zfp498	BG063983	Mm.260773	5	8.917	8.900	8.918	8.894	9.048	8.932	8.975	9.111	9.044	8.937	8.977	9.087	9.091	8.913	8.985	8.872	9.299	9.315	9.163	9.160	9.272	9.272	9.146	8.996
1436607	a at	C33000219Rik	BB430142	Mm.250641	12	8.034	8.033	8.002	8.080	8.342	8.015	7.784	7.971	8.090	8.392	8.037	8.104	8.174	7.675	8.178	8.176	8.147	8.106	8.149	8.163	8.036	8.020	8.275	8.336
1436608	at	Lncp1	BB457436	Mm.130036	15	7.990	7.607	7.960	7.931	8.746	7.746	7.932	7.828	7.957	7.727	8.092	7.692	7.863	7.859	7.875	7.902	7.756	7.779	7.825	7.985	7.890	7.726	7.920	7.844
1436609	a at	Lncp1	AV309553	Mm.277661	5	11.530	11.637	11.480	11.590	11.726	11.468	11.547	11.769	11.925	11.747	11.623	11.921	11.888	11.571	11.623	11.462	11.745	11.828	11.542	11.465	11.753	11.803	11.398	11.200
1436610	at	BC038822	BB017686	Mm.34706	17	8.034	7.316	7.985	7.984	7.854	7.841	7.974	7.555	7.684	7.692	7.712	7.832	7.984	7.815	7.932	7.978	7.625	7.846	7.919	8.062	7.895	7.903	7.875	8.105
1436611	at	Srca12	AW046938	Mm.44662	2	5.225	5.070	5.121	5.078	5.160	4.869	5.002	4.854	5.246	5.002	5.301	4.990	5.110	5.118	5.060	5.179	4.979	4.863	5.121	4.958	4.433	4.930	5.396	5.060
1436612	at	241000401Rik	BE979753	Mm.276539	11	5.649	5.308	5.455	5.542	5.419	5.545	5.464	5.460	5.625	5.332	5.524	5.292	5.564	5.575	5.306	5.400	5.376	5.460	5.524	5.600	5.454	5.415	5.533	5.488
1436613	at	Coro6	AI507196	Mm.33477	11	10.261	9.861	10.095	10.151	10.238	9.918	10.064	10.763	9.674	9.771	9.832	9.766	9.882	9.170	9.972	9.975	10.772	10.566	10.061	10.127	10.775	10.104	10.009	10.027
1436614	at	NA	AI843639	NA	NA	8.303	9.525	8.046	7.547	8.188	8.079	8.005	8.264	6.985	9.457	9.506	8.773	8.982	9.280	8.606	7.821	7.873	8.002	8.472	7.670	7.580	7.718	7.925	7.788
1436615	a at	Otc	AI786408	Mm.2611	X	3.815	3.843	4.047	4.090	3.908	3.894	4.030	3.812	3.760	3.940	3.950	3.883	3.900	3.835	4.111	3.959	3.858	3.945	4.045	4.108	3.962	4.132	4.081	3.952
1436616	at	Imp4a	BE945631	Mm.5294	1	9.384	9.077	9.295	9.297	9.330	9.209	9.292	9.228	9.280	9.397	9.068	9.438	9.231	8.977	9.073	9.297	9.150	9.344	9.277	9.095	9.116	9.314	9.260	9.249
1436617	at	Cetn4	AV211098	Mm.344708	3	7.200	7.439	7.316	6.910	7.055	7.252	7.235	7.183	7.623	7.562	7.353	7.405	7.333	7.183	7.420	7.414	7.232	7.257	7.357	7.244	7.241	6.967	7.262	7.162
1436618	at	Sfxn5	BB379739	Mm.121485	6	6.903	7.032	6.773	6.876	6.934	6.911	6.987	6.788	6.938	6.866	6.911	6.887	6.837	7.032	6.679	6.879	7.045	6.954	7.128	6.894	7.016	6.934	6.826	6.866
1436619	at	D630045M09Rik	BG069496	Mm.415319	13	7.631	7.348	7.583	7.776	7.996	7.863	7.862	7.698	7.347	7.582	7.487	7.775	7.708	7.523	7.628	7.310	9.035	7.950	7.765	8.211	8.164	8.775	7.978	7.647
1436620	at	Cdc045	BO173899	Mm.30524	11	5.066	5.146	4.912	5.184	5.138	4.955	4.891	5.207	5.317	5.095	5.183	4.585	5.175	5.049	5.225	4.898	5.252	5.239	5.085	5.093	5.120	5.219	5.296	5.208
1436621	at	RP23-157O10.7	BO174549	Mm.342665	11	8.461	8.150	8.400	8.465	8.349	8.321	8.508	8.559	8.313	8.209	8.286	8.184	8.207	8.367	8.397	8.416	8.124	8.330	8.333	8.490	8.480	8.394	8.668	8.399
1436622	at	Iqsec2	AW492241	Mm.32027	X	9.678	9.517	9.320	9.522	9.505	9.394	9.646	10.270	9.477	9.253	9.486	9.535	9.322	8.885	9.300	9.456	10.393	9.946	9.535	9.520	10.188	10.171	9.912	9.438
1436623	at	Entpd7	AV381133	Mm.248237	19	5.492	5.847	5.789	5.647	5.882	5.356	5.705	5.743	6.155	5.897	5.906	5.743	5.849	5.975	5.795	5.818	5.726	5.525	5.566	5.965	5.753	5.824	5.748	5.726
1436624	at	Ctpn1	BM398621	Mm.61620	1	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007	8.007
1436625	at	Fcyl1	BE075252	Mm.3075	19	8.407	8.357	8.585	7.980	7.829	7.933	7.981	7.870	7.863	7.836	7.934	7.959	7.102	7.722	7.963	7.765	7.808	7.547	7.863	7.762	7.935	7.913	7.913	7.913
1436626	at	Tspan11	BB546141	Mm.174368	6	5.502	5.162	5.551	5.443	5.440	5.228	5.406	5.446	5.397	5.258	5.500	5.404	5.323	5.336	5.310	5.364	5.404	5.229	5.505	5.493	5.403	5.466	5.405	5.551
1436627	at	D17Erd663e	BB368203	Mm.436629	17	6.574	6.657	6.460	6.567	6.422	6.549	6.637	7.038	6.412	6.433	6.728	6.468	6.655	6.783	6.568	6.807	6.932	6.668	6.797	6.758	6.304	6.647	6.499	6.510
1436628	at	Ulk4	AV274777	Mm.371804	9	7.305	6.980	7.211	7.115	7.106	6.976	7.310	7.212	7.087	7.017	7.328	6.857	7.036	7.191	7.065	7.052	7.095	6.892	7.031	7.245	7.338	6.947	7.171	7.043
1436629	at	Tmem91	AI852766	Mm.207484	7	6.660	6.451	6.449	6.527	6.491	6.560	6.631	6.500	6.626	6.344	6.540	6.438	6.424	6.515	6.365	6.591	6.528	6.437	6.655	6.757	6.578	6.472	6.626	6.424
1436630	at	NA	AI500443	NA	NA	7.653	7.141	7.580	7.628	7.563	7.500	7.628	7.665	7.608	7.569	7.671	7.461	7.575	7.763	7.464	7.555	7.605	7.561	7.541	7.678	7.685	7.577	7.682	7.725
1436631	at	Ctnna1	BG066669	Mm.18962	18	9.545	9.659	9.525	9.599	9.472	9.359	9.288	8.826	8.926	9.004	8.458	9.154	8.840	8.909	9.225	9.594	9.329	9.156	9.144	9.298	9.171	9.478	9.287	9.255
1436632	at	30059P03Rik	BM323233	Mm.302831	6	8.795	8.939	8.417	8.776	8.955	8.922	8.985	8.923	8.926	9.027	9.055	9.175	9.072	9.207	9.144	9.052	9.245	9.360	9.366	9.366	9.366	9.366	9.366	9.366
1436633	at	NA	BB323723	NA	NA	6.225	6.109	5.856	6.139	5.792	6.368	6.260	6.692	6.294	6.257	6.388	6.374	6.320	6.116	6.265	5.926	6.421	6.539	6.351	6.417	6.356	6.645	6.155	6.047
1436634	at	Robo3	BB733242	Mm.212826	9	5.755	5.276	5.698	5.505	5.251	5.605	5.812	5.646	5.182	5.435	5.622	5.344	5.450	5.507	5.463	5.713	5.785	5.577	5.731	5.663	5.911	5.741	5.678	6.258
1436635	at	Ube2z	BB032870	Mm.38802	11	7.825	7.626	7.595	7.731	7.805	7.628	7.580	7.518	7.509	7.571	7.727	7.664	7.623	7.640	7.730	7.698	7.858	7.641	7.847	7.691	7.684	7.877	7.787	7.779
1436636	at	NA	BB308375	NA	NA	7.118	6.997	7.152	7.077	7.083	7.151	7.070	6.980	7.044	7.034	7.079	7.431	6.723	6.693	7.047	7.121	7.656	7.374	7.127	7.276	7.474	7.028	7.256	7.176
1436637	at	NA	BI499987	NA	NA	6.495	5.558	5.457	5.377	5.521	5.567	5.622	5.642	5.476	5.373	5.506	5.255	5.434	5.313	5.448	5.494	5.441	5.627	5.359	5.374	5.549	5.504	5.532	5.365
1436638	at	6720401G13Rik	BB780504	Mm.336056	X	6.298	6.319	6.311	6.372	6.360	6.278	6.254	6.260	6.286	6.216	6.037	6.384	6.317	6.233	6.257	6.478	6.251	6.346	6.196	6.3				

1436687	x	at	Zfp706	AA165749	Mm.371631	15	4.994	5.019	4.875	4.919	4.990	4.998	5.149	4.998	4.888	4.896	4.914	4.998	4.859	5.046	4.972	5.262	4.944	5.022	4.989	5.228	5.311	4.972	5.042		
1436688	x	at	Rpl14	AV150377	Mm.289810	9	12.462	13.046	12.333	12.380	12.417	12.950	12.503	12.617	13.145	12.678	12.563	12.597	12.546	12.786	12.359	12.207	12.678	12.689	12.551	12.280	12.515	12.545	12.252	12.119	
1436689	a	at	Alah9a1	AV028069	Mm.330055	1	10.099	9.898	10.162	9.853	9.610	10.139	10.247	9.738	9.167	9.394	9.252	9.506	9.277	9.749	9.720	10.031	10.362	10.606	10.573	10.256	10.111	10.404	9.831	10.302	
1436690	at		Lrba	BB494139	Mm.439825	3	3.731	3.787	3.906	3.672	3.749	3.817	3.717	3.800	3.762	3.849	3.805	3.911	3.698	3.855	3.835	3.814	3.771	3.882	3.853	3.834	3.665	3.598	3.831	3.700	
1436691	x	at	Prk1	BB161616	Mm.30929	4	13.765	13.682	13.794	13.770	13.673	13.705	13.749	13.444	13.545	13.544	13.581	13.696	13.612	13.858	13.635	13.705	13.662	13.638	13.662	13.638	13.613	13.733	13.815	13.815	
1436692	at		NA	B2273643	NA	NA	4.994	4.984	5.253	4.984	5.259	4.989	5.227	4.984	5.203	4.763	5.239	5.292	4.578	5.293	5.292	5.110	5.237	5.392	4.921	5.321	5.498	4.983	5.837		
1436693	x	at	Slc35e4	BB106270	Mm.171514	11	8.907	9.177	8.832	8.776	8.966	8.710	8.727	8.887	9.391	9.224	9.018	9.039	9.075	9.043	8.909	8.690	8.619	8.662	8.663	8.551	8.595	8.681	8.653	8.754	
1436694	x	at	Neurod4	BB250949	Mm.10695	10	4.085	4.042	4.000	3.886	3.910	3.985	4.047	3.875	3.823	3.869	4.033	3.986	3.801	3.900	3.908	3.885	3.951	3.969	4.048	3.811	3.859	4.020	4.101	3.978	
1436695	x	at	Elmod3	BB557382	Mm.167232	6	7.556	7.400	7.402	7.401	7.443	7.405	7.467	7.374	7.294	7.703	7.294	7.703	7.387	7.168	7.290	7.383	8.205	8.115	7.877	7.492	7.741	8.218	7.165	7.957	
1436696	x	at	Ceacam11	AV038436	Mm.36666	7	4.019	4.126	4.178	4.184	4.040	4.049	4.054	3.953	4.164	4.184	4.028	4.037	4.051	4.054	4.039	4.014	4.158	4.083	3.959	4.045	3.971	4.065	4.049	3.958	
1436697	at		NA	AV303202	NA	NA	7.902	7.954	7.696	7.620	7.605	7.313	7.724	7.812	7.532	7.452	7.710	7.693	7.571	7.345	7.380	7.440	8.210	8.188	7.709	7.799	8.121	8.525	7.718	7.670	
1436698	x	at	Tmem204	AV167328	Mm.34379	17	10.308	10.283	10.502	10.683	10.546	10.621	10.585	10.882	10.100	10.520	10.240	10.170	10.970	10.303	10.665	10.531	10.827	10.703	10.355	10.595	10.983	10.928	10.761	10.679	
1436699	at		LOC100048449	LOC100048449	NA	6	12.988	12.728	12.137	12.149	12.065	12.148	12.150	12.363	12.681	12.473	12.214	12.228	12.059	12.558	12.097	11.882	12.431	12.422	12.057	12.005	12.245	12.417	11.961	11.983	
1436700	x	at	Elf4a3	BB748389	Mm.197555	11	6.548	6.179	6.454	6.349	6.585	6.511	6.401	6.270	6.319	6.128	6.640	6.310	6.620	6.339	6.514	6.480	6.527	6.539	6.557	6.642	6.532	6.405	6.667	6.670	
1436701	at		Trim61	BM225189	Mm.28010	8	4.595	4.543	4.807	4.472	4.645	4.611	4.565	4.597	4.585	4.414	4.712	4.388	4.588	4.465	4.731	4.627	4.697	4.589	4.522	4.710	4.394	4.523	4.804	4.629	
1436702	at		Rpl8	BE989731	Mm.274610	5	5.648	5.613	5.735	5.879	5.770	5.781	5.936	5.718	5.803	5.688	5.792	5.628	5.594	5.720	5.578	5.772	5.919	5.894	5.772	6.019	5.889	5.806	6.073	5.943	
1436703	x	at	Snapp2	BB461560	Mm.28452	8	10.529	10.597	10.178	10.142	10.251	10.021	10.200	10.748	10.525	10.211	10.310	10.591	10.490	10.444	9.944	10.150	10.573	10.432	10.152	10.091	10.413	10.342	9.833	9.622	
1436704	x	at	Mthf41	AV125673	Mm.29584	12	6.432	6.709	6.700	6.455	6.600	6.452	6.722	6.529	6.807	6.833	6.277	6.591	6.325	6.540	6.761	6.348	6.592	6.782	6.723	6.409	6.675	6.738	6.681	6.827	
1436705	at		Tmem32	BB262218	Mm.291824	X	11.049	11.060	11.074	10.869	10.763	11.150	11.030	10.741	10.755	10.857	10.684	10.677	10.767	10.960	10.719	11.033	10.910	10.993	11.109	11.097	10.897	10.980	10.957	11.002	
1436706	at		Ncapb	BB262218	Mm.291824	X	7.929	8.094	8.040	8.020	7.745	7.970	7.965	7.653	7.672	8.006	7.667	7.732	7.604	7.723	7.703	8.157	7.982	7.972	8.171	8.206	7.886	7.995	7.825	7.936	
1436707	x	at	Ncapb	BB725358	Mm.29786	2	8.401	8.947	8.535	8.644	8.989	8.750	8.939	9.595	9.477	9.021	9.688	8.877	9.863	9.532	8.798	8.540	8.506	8.621	8.648	8.699	8.634	8.631	8.621	8.539	
1436708	x	at	Mcm4	BB447978	Mm.1500	16	8.331	9.764	8.405	8.487	9.116	8.602	8.826	9.080	8.836	8.812	8.844	8.492	8.524	8.659	8.637	8.262	8.490	8.422	8.343	8.064	8.371	8.679	8.285	8.122	
1436709	at		C230096C10Rik	AW611144	Mm.271956	4	9.743	9.701	9.840	9.705	9.800	9.691	9.781	8.868	9.496	9.863	9.499	8.886	9.764	9.523	9.661	9.881	9.061	9.449	9.737	9.555	9.278	9.905	9.548	9.683	
1436710	at		Zswim4	BB476694	Mm.117094	8	8.112	8.276	7.945	8.146	8.052	7.868	8.009	8.241	8.225	8.269	8.293	8.333	8.241	8.040	8.233	7.776	7.999	8.090	8.008	8.201	8.066	8.015	8.033	8.017	
1436711	at		Actr5	BB247665	Mm.27747	2	8.265	8.222	8.451	8.482	8.247	8.548	8.411	8.397	8.411	8.212	8.398	8.303	8.300	8.535	8.464	8.493	8.555	8.483	8.492	8.389	8.443	8.301	8.510	8.417	
1436712	at		Plaz2c4	BG067496	Mm.223639	7	5.937	5.961	6.131	6.108	5.962	5.869	6.005	6.107	5.921	5.853	5.976	6.068	5.788	5.958	5.927	5.872	5.795	5.929	5.922	6.068	6.049	5.815	5.844	5.914	
1436713	s	at	Plnc2	BM225195	Mm.289645	12	9.431	9.364	9.174	9.516	9.265	9.467	9.405	9.117	9.986	9.565	9.678	9.267	9.390	9.026	9.453	9.480	9.453	9.480	9.453	9.480	9.453	9.480	9.453	9.480	
1436714	at		Lnc1	BB297486	Mm.209385	19	9.613	10.240	10.064	9.593	9.919	10.266	10.150	9.873	10.092	10.111	9.994	10.111	9.994	10.111	9.994	10.111	9.994	10.111	9.994	10.111	9.994	10.111	9.994	10.111	9.994
1436715	s	at	Cldt1	BB311117	Mm.28219	7	10.250	11.250	10.328	10.195	10.840	10.595	10.543	11.043	11.412	11.146	10.763	11.067	11.047	11.134	10.707	10.211	10.622	10.807	10.634	10.432	10.414	10.654	10.126	10.000	
1436716	at		Ppdl14b	BM941586	Mm.140	19	6.120	6.605	6.010	6.274	6.143	6.041	6.092	6.292	6.480	6.064	6.130	6.128	6.262	6.127	5.966	6.094	6.303	6.263	6.060	6.251	6.404	6.157	5.966	6.157	
1436717	x	at	Hbb-y	AV156860	Mm.400164	7	4.007	4.118	3.931	3.911	3.769	4.314	3.897	4.123	3.978	4.024	3.984	4.134	4.044	4.015	4.125	4.064	4.007	4.233	3.975	3.891	4.074	4.016	3.956	3.975	
1436718	at		Nxph1	BB274960	Mm.46954	6	3.959	3.985	3.879	3.807	3.904	3.834	3.857	4.093	3.762	4.096	3.912	3.985	3.941	3.857	3.913	3.929	4.083	4.001	4.120	3.795	3.935	3.950	3.840	3.875	
1436719	at		Slc35f1	BB758319	Mm.338690	10	6.309	5.920	6.390	6.296	6.379	6.907	6.568	5.977	5.713	6.193	6.098	6.044	6.031	5.893	5.940	6.321	6.917	6.601	6.945	6.335	6.501	6.987	6.269	6.186	
1436720	s	at	Ooc3	BM225195	Mm.28722	4	3.686	3.739	3.756	3.859	3.618	3.853	3.708	3.784	3.851	3.652	3.735	3.756	3.625	3.805	3.852	3.802	3.769	3.851	3.837	3.715	3.662	3.932	3.662	3.829	
1436721	at		Oodm2	BM225195	Mm.28722	4	4.932	4.938	4.920	4.932	4.937	4.930	4.998	5.231	4.857	4.276	4.867	4.340	4.296	5.225	4.403	5.102	4.638	4.862	4.862	4.862	4.862	4.862	4.862	4.862	
1436722	a	at	Actb	AW537707	Mm.328431	5	13.128	14.149	12.823	13.159	13.473	13.177	13.165	13.391	13.892	13.548	13.174	13.082	13.357	13.939	13.061	12.855	12.630	12.721	12.789	12.474	12.772	12.569	12.989	12.754	
1436723	at		Cenpi	BB258991	Mm.34903	X	6.303	7.519	5.879	6.461	6.690	6.491	6.417	7.080	7.036	6.907	6.174	6.236	6.461	6.942	6.324	6.243	6.255	6.335	6.084	6.374	6.358	5.974	6.098	6.098	
1436724	a	at	Ltn	BB238390	Mm.276294	1	9.697	9.650	9.571	9.512	9.614	9.288	9.415	9.549	9.921	9.782	9.384	9.640	9.442	9.131	9.440	9.455	9.797	9.729	9.614	9.351	9.682	10.092	9.451	9.425	
1436725	at		LOC10306D19Rik	BM226118	Mm.331567	4	5.771	6.763	5.802	5.816	6.006	5.763	5.997	6.439	6.112	6.463	5.562	5.907	5.914	6.207	6.077	5.710	5.792	5.807	5.883	5.791	5.776	5.599	5.646	5.859	
1436726	s	at	Splic1	BB470898	Mm.240336	13	7.899	7.651	8.249	7.959	7.722	8.313	8.306	7.806	7.869	8.120	8.049	7.903	7.837	8.0											

1436776	x	at	Slc7a4	AA061682	Mm.298878	16	7.806	7.159	7.743	7.442	7.403	7.847	7.765	7.498	7.188	7.381	7.646	7.267	7.285	7.291	7.700	7.921	7.605	7.842	7.757	7.830	7.554	7.464	7.634	8.007
1436777	at	Mars2		BG063871	Mm.192223	1	4.994	5.222	5.178	5.118	4.855	5.172	5.078	5.100	4.914	5.104	4.980	4.967	4.630	5.082	5.065	5.168	5.215	5.205	5.352	4.816	5.199	5.006	5.260	5.358
1436778	at	Cyvb		AV373944	Mm.200362	X	8.175	10.306	8.551	9.114	9.220	9.409	9.884	8.798	10.574	10.556	9.446	9.811	9.732	10.160	9.424	8.379	8.744	8.309	8.852	8.636	8.591	8.792	7.496	8.148
1436779	at	Cyvb		AV373944	Mm.200362	X	7.701	8.223	7.508	7.686	8.065	7.773	7.605	7.032	8.485	8.450	7.848	7.543	7.661	6.883	7.523	7.730	7.050	6.753	7.427	7.301	6.980	7.086	6.683	7.063
1436780	at	Qol		BG063871	Mm.274638	X	8.215	8.231	8.208	8.577	8.321	8.174	8.434	8.128	8.886	9.026	8.354	8.865	8.924	8.598	8.935	8.872	8.378	8.694	8.678	8.620	8.657	8.478	8.428	8.428
1436781	at	Man2b1		BE634501	Mm.4219	8	7.986	8.376	8.229	8.453	8.362	8.335	8.105	7.987	8.685	8.531	7.950	8.156	8.342	8.247	8.328	8.216	8.069	8.147	8.107	7.916	8.122	8.000	8.153	7.988
1436782	at	Svs3b		BM106990	Mm.118769	2	6.493	5.917	6.513	6.429	6.403	6.365	6.313	6.436	6.330	6.156	6.544	6.290	6.187	6.366	6.315	6.372	6.543	6.547	6.235	6.500	6.408	6.377	6.641	6.454
1436783	x	at	Ywhab	AV021552	Mm.34319	2	12.156	12.471	11.896	11.952	12.375	12.125	11.990	12.459	12.538	12.346	12.260	12.285	12.390	12.357	12.107	11.852	12.106	11.839	11.696	11.730	12.130	12.238	12.032	11.836
1436784	x	at	Sf3b4	AU021081	Mm.219671	3	10.035	9.782	9.904	9.913	9.806	9.876	9.937	9.862	9.876	9.947	9.956	9.782	9.807	9.847	9.923	10.027	9.872	9.934	9.933	9.988	9.886	9.795	9.988	9.953
1436785	a	at	1110069007Rik	AV024133	Mm.439962	11	6.877	6.653	6.902	6.746	6.612	6.954	6.854	6.676	6.619	6.722	6.868	6.797	6.693	6.739	6.992	7.007	6.815	6.925	6.893	7.104	6.679	6.667	6.788	6.845
1436786	at	1110069007Rik		AV024133	Mm.439962	11	7.555	7.529	7.426	7.591	7.642	7.475	7.516	7.685	7.587	7.531	7.823	7.494	7.640	7.617	7.566	7.233	7.432	7.477	7.488	7.287	7.363	7.474	7.557	7.285
1436787	x	at	1110069007Rik	AV024133	Mm.439962	11	5.035	5.499	5.027	5.245	5.226	5.138	5.180	4.897	5.091	5.270	5.183	5.309	5.053	5.223	5.333	5.201	4.950	5.185	5.186	5.245	4.973	5.166	5.186	5.051
1436788	at	Ac2p		AI131584	Mm.45570	2	8.533	8.920	8.901	8.597	8.887	8.869	8.571	8.839	8.996	8.960	8.308	9.045	9.020	8.827	8.801	8.726	8.825	8.791	8.814	8.712	8.523	8.799	8.344	8.502
1436789	at	Ccnll		BM120117	Mm.247595	11	4.505	4.710	4.837	4.852	4.676	4.730	4.481	4.654	4.799	4.570	4.736	4.757	4.770	4.656	4.603	4.766	4.784	4.882	4.724	4.861	4.817	4.973	4.757	4.716
1436790	a	at	Sox11	BG072739	Mm.41702	12	4.468	4.100	4.185	4.205	4.064	4.125	4.276	4.083	4.106	4.154	4.228	4.199	4.029	4.235	4.144	4.205	4.134	4.217	4.231	4.330	4.168	4.120	4.090	4.301
1436791	at	Wnt5a		BB067079	Mm.287544	14	6.852	6.339	7.104	7.288	6.674	7.086	7.367	6.104	6.194	6.544	6.204	6.299	5.902	6.467	6.652	7.155	6.867	7.039	7.231	6.930	6.312	6.534	6.557	6.738
1436792	at	Whdc1		BB374634	Mm.181641	7	6.361	6.312	5.934	6.212	6.319	6.203	6.175	6.528	6.348	5.989	5.934	6.170	6.178	5.917	6.207	6.039	6.640	6.274	6.084	6.193	6.378	6.566	6.200	6.055
1436793	at	St18		AV347235	Mm.234612	1	6.501	6.234	6.269	6.307	6.247	6.140	6.279	6.175	6.294	6.270	6.485	6.195	6.280	6.287	6.400	6.511	6.062	6.215	6.271	6.257	6.162	6.133	6.194	6.364
1436794	at	Nlrp4f		BG069844	Mm.315815	13	5.426	5.205	5.052	5.012	5.017	5.018	5.057	5.100	4.985	5.113	5.062	5.134	5.092	5.164	5.177	5.055	5.124	5.012	5.052	5.189	5.078	5.034	5.299	4.940
1436795	at	9630058J23Rik		BM247060	Mm.87662	1	10.929	10.285	11.233	11.092	10.591	11.028	10.661	10.316	9.887	10.436	9.806	10.485	10.465	10.300	10.589	11.210	10.990	10.969	11.335	11.055	10.671	10.870	10.807	10.919
1436796	at	Mmr3		BB237072	Mm.215034	18	8.496	9.166	8.411	8.446	9.097	8.741	8.617	8.972	8.926	8.799	8.929	8.860	8.607	8.810	8.679	8.837	8.861	9.019	9.036	8.546	8.821	8.767	7.788	8.591
1436797	a	at	Surf4	AV990392	Mm.300594	2	10.006	10.859	9.977	9.994	10.203	10.162	10.055	9.972	10.702	10.668	10.325	10.173	10.112	10.702	10.052	10.019	9.761	9.992	10.157	10.006	9.824	9.747	9.820	9.887
1436798	at	Rpl9		AV110787	Mm.300271	5	6.440	6.078	6.107	6.220	5.967	6.193	6.014	6.146	6.233	6.072	6.175	5.948	5.933	6.112	6.075	6.111	5.983	6.239	5.892	6.172	6.177	6.085	6.426	5.903
1436799	at	Enox1		BB386177	Mm.441158	14	4.114	4.402	4.316	4.246	4.718	4.288	4.258	4.370	4.649	4.740	4.326	4.931	4.914	4.232	4.390	4.220	4.325	4.119	4.171	4.254	4.138	4.216	4.409	4.282
1438000	at	Fst5i		AV376318	Mm.379337	3	7.138	6.611	7.033	7.116	6.784	6.816	6.968	7.023	6.694	6.888	7.092	6.799	6.989	7.123	7.001	7.127	6.970	7.077	7.183	7.338	6.989	6.854	7.056	6.950
1438001	x	at	Cdc42ep4	BB131147	Mm.293378	11	8.632	8.736	8.529	8.516	8.715	8.473	8.256	8.626	8.582	8.531	8.816	8.650	8.487	8.341	8.397	8.463	8.266	8.404	8.225	8.103	8.366	8.663	8.927	8.751
1438002	at	Hf3		BG406936	Mm.240336	9	8.215	8.231	8.208	8.577	8.321	8.174	8.434	8.128	8.886	9.026	8.354	8.865	8.924	8.598	8.935	8.872	8.378	8.694	8.678	8.620	8.657	8.478	8.428	8.428
1438003	at	Ndrufb9		AV161987	Mm.222298	15	14.632	14.026	14.234	14.324	14.704	14.265	14.352	14.378	13.905	14.181	13.190	14.223	14.085	13.904	14.133	14.254	14.515	14.462	14.381	14.456	14.521	14.376	14.501	14.376
1438004	s	at	Ucy1	AU016501	Mm.276063	19	9.489	9.910	9.460	9.621	9.659	9.421	9.465	9.764	9.916	9.638	9.552	9.815	9.575	9.466	9.448	9.367	9.556	9.988	9.621	9.420	9.833	9.895	9.436	9.579
1438005	at	Shash3b		BG076317	Mm.133615	9	6.626	7.477	6.508	6.460	6.527	6.234	6.528	6.806	7.029	6.863	7.454	6.878	6.721	7.525	6.653	6.400	6.379	6.384	6.394	6.355	6.310	6.207	6.621	6.292
1438006	at	Trim62		BB131288	Mm.30653	4	8.199	7.781	8.271	8.154	8.015	8.282	8.178	8.003	7.888	7.764	8.097	8.092	7.974	7.971	8.069	8.260	8.211	8.043	8.040	8.304	8.095	7.947	8.306	8.251
1438007	x	at	Trim62	BB131288	Mm.30653	4	7.484	7.195	7.283	7.362	7.344	7.279	7.509	7.269	7.179	7.307	7.384	7.258	7.220	7.269	7.179	7.485	7.276	7.247	7.240	7.596	7.302	7.189	7.285	7.355
1438008	x	at	Mcm5	AI324848	Mm.5048	8	7.372	10.063	7.062	7.731	8.692	8.177	7.258	8.568	8.519	8.101	8.682	7.446	7.720	9.686	7.901	7.103	6.995	7.033	7.404	6.895	6.976	7.168	6.903	6.497
1438009	a	at	LOC100046080	AV100078	NA	13	10.260	10.431	10.397	10.449	10.595	10.455	10.338	10.193	10.599	10.613	10.075	10.566	10.636	10.484	10.571	10.398	10.302	10.253	10.254	10.273	10.287	10.328	10.407	10.446
1438010	at	LOC10010M23Rik		Mm.27900	17	10.128	9.563	10.703	9.995	10.690	9.988	8.954	10.563	9.967	9.954	10.266	9.590	10.355	9.555	9.939	9.824	9.688	10.548	10.187	9.988	10.512	10.681	9.972	10.124	10.512
1438011	at	Kctd3		AV232970	Mm.209880	1	8.331	8.884	8.405	8.439	8.740	8.617	8.538	8.696	8.778	8.784	8.723	8.836	8.766	8.872	8.680	8.418	8.586	8.628	8.614	8.633	8.530	8.427	8.504	8.500
1438012	at	Fkpr		BB763578	Mm.39703	7	10.890	10.739	10.801	10.723	10.561	10.865	10.947	10.765	10.321	10.454	10.417	10.612	10.290	10.632	10.218	10.817	10.848	10.939	10.455	10.708	10.672	10.780	10.719	10.476
1438013	x	at	Khsrp	BB323580	Mm.476035	17	8.995	9.263	8.997	9.021	9.066	8.898	8.910	8.950	9.216	9.000	8.981	8.867	9.156	9.104	8.895	8.846	8.960	8.892	8.795	8.688	9.006	8.862	8.926	8.975
1438014	at	NA		AV076187	NA	NA	6.134	6.103	5.975	6.236	6.186	6.118	6.068	5.931	6.288	5.991	5.969	6.025	6.108	6.466	6.133	6.164	6.378	6.205	6.152	6.010	6.400	6.195	6.201	6.174
1438015	x	at	NA	AV076187	NA	NA	6.962	6.729	6.841	6.776	6.773	6.457	6.859	6.758	6.642	6.778	6.684	6.783	6.815	6.796	6.677	6.841	6.784</							

1436865	at	Slc26a11	BB667260	Mm.31869	11	7.994	7.908	7.602	7.829	7.970	7.844	7.771	7.950	8.137	8.051	7.663	8.209	8.192	8.074	8.069	7.649	8.051	7.971	8.020	7.830	8.026	8.143	7.565	7.616	
1436866	at	EfnA5	B0173967	Mm.7978	17	7.989	8.866	9.571	9.583	9.920	9.780	9.650	9.802	9.888	10.018	9.981	9.887	9.974	9.740	10.059	9.588	9.837	9.825	9.899	9.600	9.799	9.935	9.756	9.916	
1436867	at	Srl	BG795043	Mm.35811	16	14.173	14.080	14.189	14.114	14.085	14.166	14.284	14.171	13.774	14.004	14.228	13.808	13.726	14.011	14.026	14.228	13.888	14.086	14.182	14.141	14.021	13.973	14.120	14.314	
1436868	at	Rtn4r11	BM508396	Mm.82661	11	8.734	8.833	8.832	8.905	8.848	8.984	8.999	8.701	8.601	8.686	8.402	8.901	8.723	8.671	8.699	8.958	9.408	9.414	9.430	9.127	8.693	8.864	8.519	8.696	
1436869	at	Av304616	AV304616	Mm.27202	5	7.861	7.467	8.042	7.455	7.543	8.220	8.018	7.233	7.329	7.683	7.535	7.565	7.698	7.686	8.031	7.750	8.085	7.945	8.161	7.759	7.861	7.987	7.861	7.987	
1436870	s	Alfa1p2	BG068103	Mm.226284	19	5.881	6.127	5.909	5.685	5.396	6.106	5.819	4.464	6.340	4.658	4.339	6.356	5.440	6.476	5.290	6.107	5.784	5.966	5.975	6.244	5.906	5.676	5.805	5.410	
1436871	at	Sfrp1	BE825013	Mm.292016	17	7.280	7.297	7.170	7.122	7.109	7.228	7.253	7.188	7.338	7.203	7.530	7.110	7.098	7.224	7.283	7.367	7.188	7.259	7.331	7.390	7.380	7.406	7.016	7.341	
1436872	at	Tacc3	BB787809	Mm.379024	5	8.161	8.218	7.990	8.025	8.068	7.878	8.244	8.582	8.373	8.150	8.364	8.078	8.224	8.335	8.107	8.005	8.078	8.114	8.109	8.009	8.310	8.165	8.116	7.805	
1436873	at	47324545E20Rik	AV293726	Mm.303077	10	6.049	5.345	5.668	5.908	5.532	5.661	5.747	5.753	5.873	5.243	6.075	5.485	5.852	5.734	5.775	5.907	5.880	5.755	5.997	5.779	5.923	5.824	6.132	6.086	
1436874	x	Slc25a5	BM210336	Mm.371544	X	13.549	13.919	13.541	13.548	13.786	13.487	13.545	13.926	13.812	13.662	13.635	13.771	13.789	13.475	13.470	13.557	13.732	13.745	13.612	13.565	13.666	13.593	13.351	13.503	
1436875	at	Dnm3	BB130476	Mm.441620	1	5.277	5.122	5.419	5.217	5.531	5.139	4.935	5.287	5.202	5.108	5.139	5.356	5.217	5.097	5.236	5.474	5.142	5.229	5.140	5.272	5.513	5.217	5.069	5.153	
1436876	at	Rhs7bp	AV337421	Mm.100348	13	7.855	7.603	7.871	8.061	7.821	8.072	7.939	7.998	7.281	7.510	7.777	7.827	7.639	7.606	7.684	7.725	7.150	7.903	7.843	8.012	8.108	8.161	7.794	7.892	
1436877	at	Lrn2	AV231827	Mm.30506	X	5.612	6.188	5.671	5.698	6.033	5.756	5.765	5.944	6.100	6.156	5.725	6.065	6.245	6.194	6.017	5.617	5.801	5.669	5.807	5.750	5.6	5.628	5.648	5.666	
1436878	at	BaalC	BB175696	Mm.233837	15	8.742	8.657	8.495	8.518	8.667	8.528	8.539	8.556	8.888	8.536	8.716	8.509	8.725	8.774	8.680	8.450	8.722	8.580	8.598	8.792	8.759	8.513	8.772	8.481	
1436879	x	Alf	AV124668	Mm.358570	5	4.208	4.102	4.152	3.962	4.223	4.107	4.022	3.970	3.920	4.122	4.224	3.911	4.029	4.052	3.974	3.987	4.228	4.171	4.144	4.058	3.972	3.992	4.104	4.005	
1436880	at	Alf	BB273712	Mm.358570	5	5.528	5.460	5.656	5.471	5.732	5.445	5.733	5.224	5.349	5.426	5.486	5.526	5.863	5.668	5.750	5.407	5.579	5.555	5.598	5.654	5.536	5.498	5.568	5.586	
1436881	x	Alf	BB273712	Mm.358570	5	4.138	4.196	4.136	3.994	4.008	4.097	4.276	4.027	4.061	4.047	4.090	4.062	4.052	4.144	4.268	4.166	4.030	4.020	4.074	4.453	4.020	4.027	3.860	4.083	
1436882	at	Ubl5	AV210814	Mm.24608	9	4.957	5.145	5.156	4.882	4.899	5.028	5.071	4.994	5.144	5.144	5.003	4.790	5.052	5.244	5.032	4.801	4.800	4.920	4.957	4.952	5.212	4.979	4.970	5.142	
1436883	at	Mbtos2	BB264953	Mm.37577	X	9.367	9.567	9.506	9.333	9.461	9.456	9.428	9.343	9.357	9.678	9.176	9.604	9.546	9.592	9.494	9.575	9.357	9.188	9.473	9.376	9.279	9.438	9.505	9.496	
1436884	x	Ewsr1	BB699868	Mm.142822	11	10.479	10.616	10.461	10.447	10.469	10.525	10.403	10.191	10.382	10.491	10.322	10.450	10.384	10.569	10.378	10.475	10.508	10.633	10.710	10.502	10.354	10.354	10.405	10.388	
1436885	a	1700030K09Rik	BG020223	Mm.275872	8	7.268	7.491	7.287	7.371	7.493	7.199	7.224	7.545	7.366	7.425	7.140	7.515	7.431	7.284	7.156	7.211	7.540	7.422	7.143	7.187	7.498	7.965	7.909	7.117	
1436886	x	Xab2	AV393266	Mm.23739	8	7.679	8.048	7.756	7.942	7.870	7.950	7.710	7.819	8.029	7.973	7.592	8.107	7.997	7.885	7.744	7.508	8.325	8.138	7.884	7.600	8.008	8.279	7.880	7.836	
1436887	x	Grwd1	BB251524	Mm.274847	7	8.021	8.213	7.702	7.834	7.743	7.884	8.036	7.861	8.058	7.865	8.598	7.717	7.784	8.363	7.885	7.716	7.920	8.047	7.893	8.021	8.006	8.040	7.935	7.887	
1436888	at	Nhh2	AV322710	Mm.137286	3	4.185	3.995	4.146	4.026	4.117	4.043	4.214	4.115	4.091	4.156	4.328	4.101	4.281	4.100	4.077	4.263	4.215	4.168	4.163	4.399	4.199	4.009	4.164	4.231	
1436889	at	Gabra1	BO268470	Mm.439668	11	4.661	3.986	4.714	4.239	4.188	4.056	4.542	4.270	3.917	4.075	4.098	4.288	4.190	4.168	4.361	4.479	4.584	4.410	4.381	4.207	4.983	5.151	4.473	5.008	
1436890	at	Uap1l1	BG963358	Mm.33797	2	8.481	9.252	8.643	8.845	8.851	8.841	8.854	8.596	8.829	9.121	8.650	9.260	9.113	9.290	8.905	8.725	8.551	8.716	8.961	8.619	8.544	8.468	8.665	8.640	
1436891	at	Usp15	Mm.845639	Mm.266627	10	6.457	6.584	6.467	6.292	6.455	6.582	6.585	6.582	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	6.585	
1436892	at	Spred2	BB133520	Mm.266627	11	7.247	7.866	7.032	7.638	7.165	6.997	7.177	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172	7.610	6.172
1436893	a	7-Mar	BE280262	Mm.260635	2	9.083	8.863	8.849	8.833	8.861	8.969	8.846	8.920	8.797	8.749	8.697	9.032	8.993	8.798	8.887	8.872	9.427	8.892	9.216	1.167	8.781	9.212	8.492	8.603	
1436894	at	LOC100039795	BB324138	Mm.445387	1	5.333	5.081	5.354	5.197	5.332	5.169	5.345	5.464	5.528	5.358	5.366	5.608	5.498	5.320	5.333	5.281	5.402	5.422	5.326	5.248	5.500	5.439	5.164	5.430	
1436895	at	Centd1	BB182934	Mm.244403	5	6.124	5.969	6.354	6.221	6.314	6.292	6.131	5.824	5.715	5.946	6.177	5.971	6.076	6.087	6.204	6.354	6.289	6.372	6.353	6.399	5.991	5.987	6.307	6.303	
1436896	at	Ints9	AV304373	Mm.71332	14	8.271	8.776	8.254	8.251	8.466	8.290	8.162	8.475	8.610	8.468	8.178	8.229	8.473	8.354	8.230	8.250	8.674	8.748	8.428	8.367	8.497	8.485	8.016	8.118	
1436897	at	MHas1	BE225674	Mm.103246	8	10.021	10.152	9.755	10.056	10.119	10.053	10.080	10.174	10.011	9.998	9.990	10.122	10.047	9.883	9.937	9.982	10.382	10.396	10.098	10.198	10.216	10.040	10.024	10.163	
1436898	at	Sfpa	BI738328	Mm.257276	4	9.945	9.942	9.820	9.805	10.069	10.105	9.900	9.734	9.954	9.928	9.680	10.000	9.846	9.673	9.911	9.981	10.119	10.069	9.873	9.840	9.912	10.057	9.961	9.556	
1436899	at	Usp15	BB697208	Mm.254297	10	8.392	8.752	8.424	8.928	8.209	8.325	8.438	7.992	8.936	8.938	8.187	8.795	8.384	8.925	8.253	8.946	8.935	8.918	8.918	8.918	8.918	8.918	8.918	8.918	
1436900	x	Leprpt	AV156961	Mm.4756	4	10.005	10.691	10.101	10.123	10.447	10.260	10.230	10.327	10.752	10.727	10.037	10.564	10.629	10.576	10.519	9.903	9.973	10.026	10.126	9.839	9.951	10.249	9.933	9.964	
1436901	at	Notch4	BB825678	Mm.173813	17	6.039	5.827	6.078	6.136	6.100	5.997	6.259	6.088	6.129	5.821	6.167	5.935	6.134	6.055	6.173	6.204	6.080	6.171	6.092	6.160	6.202	6.074	6.411	6.326	
1436902	x	Tbmsb10	BB096368	Mm.3532	6	8.740	10.771	8.076	8.561	9.882	8.816	8.673	10.582	11.386	10.375	9.869	10.237	10.589	10.271	9.685	7.899	9.613	9.046	8.521	8.185	9.369	9.202	8.227	7.773	
1436903	at	Ulns3	AV278233	Mm.334092	7	3.920	3.845	3.992	3.860	3.865	3.943	3.949	3.815	3.785	3.896	3.668	3.830	3.941	3.728	3.830	3.888	4.079	3.905	4.000	3.928	3.800	3.854	4.027	3.981	
1436904	at	Med13	BB667559	Mm.341886	11	6.330	6.473	6.137	6.178	6.128	6.238	6.121	6.424	6.309	6.207	6.264	6.314	6.522	6.199	6.290	6.322	6.510	6.428	6.456	6.530	6.237	6.393	6.316	6.398	
1436905	x	Lapmt5	BB218107	Mm.171868	4	10.234	11.934	10.355	10.699	11.158	10.652																			

1436954	at	Wifi1	C76969	Mm.223504	2	8.436	9.034	8.303	8.596	8.939	8.725	8.441	8.915	8.905	9.001	8.760	8.872	8.977	8.987	8.890	8.370	8.322	8.382	8.380	8.439	8.522	8.502	8.501	8.576
1436955	at	Tssc1	BG065248	Mm.273724	12	7.752	7.606	7.661	7.444	7.577	7.464	7.586	7.794	7.773	7.645	7.682	7.695	7.607	7.644	7.580	7.637	7.578	7.673	7.617	7.616	7.569	7.584	7.687	7.483
1436956	at	NA	AV174028	NA	NA	8.563	8.220	8.465	8.517	8.419	8.358	8.229	8.500	8.257	8.372	7.957	8.616	8.366	8.143	8.251	8.380	8.970	8.643	8.447	8.489	8.674	8.599	8.423	8.500
1436957	at	Gabra3	AW557545	Mm.102286	X	5.712	5.730	5.657	5.729	5.672	5.747	5.760	5.714	6.252	6.001	5.534	5.767	5.842	5.885	5.962	5.669	5.626	5.517	5.592	5.550	5.667	5.408	5.485	5.627
1436958	at	Tpnr3	AV311925	Mm.204839	3	10.336	11.444	10.313	10.392	10.657	10.528	10.435	10.636	11.184	10.854	11.243	10.763	10.786	11.403	10.710	10.311	9.987	10.207	10.328	10.105	10.144	10.275	10.393	10.100
1436959	x at	BB311061	Mm.429556	2	10.211	10.970	10.000	10.246	11.102	10.722	10.236	10.932	11.531	11.203	10.752	11.485	11.291	10.798	11.022	9.943	10.561	10.688	10.228	10.008	10.232	10.606	10.225	9.745	
1436960	at	Brd3	BB753423	Mm.28721	2	8.781	8.798	8.951	8.977	9.020	8.798	8.763	8.606	8.664	8.902	8.583	8.824	8.845	8.817	8.810	8.809	8.754	8.904	8.781	8.788	8.826	8.652	9.061	8.880
1436961	at	Hspa12a	BB197697	Mm.39739	19	7.813	7.195	7.740	7.671	7.603	7.610	7.502	7.244	7.418	7.644	7.554	7.719	7.571	7.290	7.686	7.560	8.010	7.845	7.910	8.124	7.620	7.891	8.216	8.291
1436962	at	Pdpm6	AV303905	Mm.297645	18	6.856	6.582	6.659	6.708	6.614	6.708	6.638	6.673	6.607	6.618	6.610	7.193	6.609	6.530	6.580	6.680	6.933	7.147	6.779	6.728	7.032	6.791	6.566	6.591
1436963	x at	Tmem179b	AA904303	Mm.45155	19	6.947	7.327	7.132	7.165	7.280	7.039	7.116	7.238	7.483	7.279	7.223	7.137	7.093	7.258	7.163	7.102	7.314	7.236	7.200	7.157	7.241	7.197	6.912	6.989
1436964	at	D7ErtD715e	BB314814	Mm.133704	7	5.664	5.629	6.353	5.144	4.491	5.241	5.764	5.134	3.719	4.685	4.299	5.120	4.478	4.604	4.902	5.947	5.376	5.246	5.445	5.073	5.119	5.354	5.085	4.925
1436965	at	Emilin3	BG076147	Mm.330747	2	7.640	7.451	7.632	7.701	7.511	7.543	7.754	7.777	7.604	7.716	7.702	7.656	7.647	7.580	7.716	7.633	7.651	7.589	7.668	7.706	7.699	7.584	7.717	7.685
1436966	at	Peil2	BB337121	Mm.296457	14	7.609	7.573	7.614	7.533	7.626	7.806	7.619	7.539	7.515	7.621	7.290	7.619	7.763	7.410	7.671	7.776	7.617	7.521	7.591	7.669	7.736	7.492	8.063	7.814
1436967	at	AnkrM11	BM239714	Mm.31567	8	8.625	8.737	8.790	8.865	8.871	8.961	8.642	8.588	8.658	8.713	8.657	8.780	8.850	8.892	8.881	8.842	8.835	8.930	8.778	8.874	8.817	8.871	8.884	8.717
1436968	x at	KhlH24	BB328076	Mm.392450	16	6.765	5.942	7.013	6.829	6.482	6.760	6.615	6.480	5.688	6.648	5.914	6.911	6.240	6.399	7.094	6.934	6.578	6.530	6.650	6.757	6.924	6.815	7.412	7.645
1436969	at	4922501L14Rik	AV258074	Mm.331454	3	5.110	4.964	4.775	4.633	4.851	4.736	4.844	4.852	4.720	4.618	4.854	4.675	4.818	4.875	4.901	4.867	4.793	4.974	5.020	4.863	4.772	4.633	5.010	5.050
1436970	at	Pdgfr2	AA499047	Mm.4146	18	10.690	11.487	10.732	11.026	11.562	10.905	10.909	11.852	12.143	11.980	11.404	11.931	12.129	11.482	11.525	10.700	11.614	11.542	11.084	11.055	11.169	11.648	11.288	10.698
1436971	x at	Brd2	BB100384	Mm.3444	17	11.623	12.265	11.486	11.521	11.726	11.551	11.620	11.672	12.015	11.904	11.775	11.585	11.712	11.982	11.640	11.403	11.095	11.175	11.208	10.946	11.334	11.380	11.401	11.299
1436972	at	Gor61	AV291075	Mm.73666	3	5.155	4.766	5.100	5.073	4.730	5.092	5.101	4.623	4.733	4.793	4.992	4.938	4.903	5.000	4.920	5.143	5.026	4.961	4.965	5.122	4.908	4.875	4.490	5.022
1436973	at	Ccib	BB758208	Mm.328673	16	4.068	4.098	3.872	3.878	3.853	4.077	3.829	3.791	4.054	3.821	3.983	3.946	3.939	3.926	3.941	3.944	3.865	3.900	3.872	3.872	3.772	3.861	3.852	
1436974	at	A230069A22Rik	AV327597	Mm.384382	4	7.355	7.480	7.691	7.507	6.492	6.884	6.358	6.835	6.239	6.427	6.895	6.775	6.640	7.019	6.675	7.906	6.488	6.547	6.751	6.751	6.505	6.447	6.929	6.579
1436975	at	NA	AV254386	NA	NA	6.357	6.164	6.508	6.559	6.216	6.258	6.473	6.376	6.087	5.984	6.230	6.386	6.324	6.315	6.353	6.444	6.382	6.238	6.336	6.647	6.462	6.240	6.557	6.766
1436976	a at	Yod1	BB201861	Mm.106553	1	6.801	7.056	7.116	6.888	6.768	6.595	6.932	6.727	6.614	6.976	6.651	6.686	6.483	6.580	6.937	6.644	6.647	6.731	6.688	6.789	6.796	7.136	7.106	6.915
1436977	at	NA	BM213788	NA	NA	7.263	7.257	7.318	7.261	7.464	7.239	7.289	7.045	7.492	7.248	7.296	7.237	7.259	7.411	7.176	7.280	7.301	7.110	7.128	6.997	7.177	7.370	7.451	7.262
1436978	at	Wnt9a	AV273409	Mm.218794	11	7.537	7.865	7.494	7.488	7.744	7.816	7.672	8.228	8.288	8.401	7.600	8.531	8.334	7.989	8.572	7.435	8.120	7.780	8.159	7.783	7.896	8.016	7.267	7.915
1436979	x at	Rbm14	AV213382	Mm.276338	19	9.401	10.147	9.485	9.494	9.429	9.598	9.483	9.399	9.740	9.662	9.747	9.354	9.305	10.065	9.560	9.442	9.209	9.336	9.157	9.233	9.437	9.395	9.749	9.492
1436980	x at	Cnnt2	MM351553	10	10.258	10.780	10.382	10.120	10.360	10.528	10.435	10.178	10.196	10.283	10.298	10.168	10.241	10.298	10.694	10.241	10.582	10.366	10.203	10.466	10.780	10.366	10.393	10.375	
1436981	at	Neil2	BB706206	Mm.4543	10	8.259	8.543	7.912	7.533	7.929	7.704	8.049	8.875	8.387	8.450	8.174	8.480	8.521	8.271	8.145	8.271	7.904	7.482	7.579	7.492	7.389	7.458	7.027	7.474
1436982	at	Terc5b	BB788270	Mm.131328	15	10.063	8.936	10.101	10.226	10.104	10.255	10.171	9.617	9.508	10.016	9.143	10.033	9.826	9.877	9.900	10.252	9.854	10.126	10.160	10.119	9.740	9.781	10.086	10.113
1436983	at	Cnrcb3	BG069466	Mm.132238	16	10.505	10.663	10.439	10.623	10.757	10.679	10.469	10.626	10.520	10.633	10.541	10.666	10.653	10.437	10.674	10.627	10.809	10.603	10.645	10.523	10.662	11.154	10.891	10.834
1436984	at	Abi2	BG261647	Mm.212066	1	8.345	8.798	8.326	8.467	8.832	8.783	8.557	8.518	8.802	8.870	8.567	8.713	8.740	8.912	8.905	8.397	8.367	8.558	8.528	8.402	8.298	8.505	8.601	8.472
1436985	at	Zfp64a	BM115349	Mm.249474	5	8.876	8.699	8.850	8.950	8.834	8.832	8.783	8.889	8.548	8.544	8.626	8.868	8.749	8.454	8.757	8.873	8.878	8.788	8.878	8.884	8.825	9.062	8.907	9.029
1436986	at	Sntb2	BB219478	Mm.30228	8	6.063	6.382	5.995	6.123	6.498	6.523	6.248	6.029	6.394	6.164	6.454	6.311	6.293	6.301	6.271	6.143	5.590	5.946	6.113	6.023	5.534	5.573	6.233	6.416
1436987	at	S430433G21Rik	BB322233	Mm.475875	2	4.332	4.834	4.541	4.617	5.609	4.997	4.547	5.114	5.917	5.954	4.957	6.086	5.666	4.798	5.438	4.575	4.906	4.832	4.940	4.701	4.825	4.699	4.815	4.680
1436988	at	S430433G21Rik	BB322233	Mm.475875	2	7.892	7.849	7.912	7.915	7.953	7.621	7.892	7.684	7.985	8.083	7.760	7.907	7.791	7.721	7.751	7.752	7.902	7.709	7.757	7.492	7.389	7.458	7.907	7.474
1436989	s at	Slic21a	BB160619	Mm.475657	2	7.859	8.407	8.199	8.108	8.188	8.189	8.417	7.892	8.259	8.673	8.074	8.403	8.222	8.231	8.375	8.180	8.179	8.034	8.381	8.008	8.265	8.318	8.383	8.571
1436990	x at	Chchd10	AA038464	Mm.333849	10	13.993	13.628	13.895	13.952	13.856	13.873	13.948	14.208	13.551	13.502	13.712	13.972	13.611	13.423	13.791	13.831	14.291	14.159	13.922	13.939	14.371	14.371	13.988	13.838
1436991	x at	Gsn	AV025559	Mm.21109	2	12.837	11.573	13.029	13.312	12.358	13.369	12.863	12.392	10.987	11.893	11.707	12.477	11.965	12.014	12.819	12.985	12.903	13.041	13.173	12.946	12.992	12.884	13.211	13.373
1436992	x at	Vdac1	BB160479	Mm.3555	11	14.034	13.586	14.015	14.005	13.823	13.955	13.963	13.594	13.428	13.598	13.587	13.705	13.965	13.596	13.854	14.044	13.805	13.837	13.920	14.024	13.743	13.759	14.037	13.978
1436993	x at	Pfn2	BB560492	Mm.271744	3	10.915	10.788	11.177	11.322	10.967	11.276	11.435	10.745	10.400	10.709	10.773	10.857	10.556	10.819	10.874	11.049	10.899	10.943	11.001	11.004	11.038	11.193	11.180	11.131
1436994	a at	Hist1h1c	BB353903</																										

1437043	a	at	Gba	AV012400	Mm.307770	8	9.508	9.768	9.611	9.611	9.432	9.444	9.686	9.346	9.665	9.625	9.291	9.726	9.773	9.596	9.485	9.680	9.765	9.572	9.520	9.629	9.620	9.404	9.373
1437044	a	at	Gba	BB241507	Mm.5031	3	8.620	9.741	8.450	8.705	9.333	8.736	8.735	9.328	10.310	10.000	9.159	9.541	9.744	9.680	9.155	8.480	8.769	8.739	8.454	8.660	8.772	8.307	8.279
1437045			Mapk8	AV345871	Mm.21495	14	6.452	6.567	6.716	6.655	6.582	6.952	6.619	6.805	6.501	6.646	6.479	6.534	6.846	6.513	6.706	6.811	6.607	6.250	6.562	6.599	6.568	6.889	6.694
1437046	x	at	4930504OE06Rik	AI639566	Mm.279287	3	9.401	9.633	9.365	9.380	9.504	9.390	9.308	9.635	9.619	9.576	9.393	9.769	9.685	9.538	9.564	9.436	9.593	9.465	9.420	9.500	9.471	9.634	9.441
1437047	x	at	Zfp684	BS521990	Mm.138617	5	6.374	7.181	6.787	6.821	6.937	6.644	6.736	7.217	6.916	6.560	6.952	7.036	7.159	6.702	6.842	6.448	7.248	6.963	6.948	6.687	7.193	7.352	6.764
1437048	x	at	Stxbp2	AI314895	Mm.12467	8	8.274	7.985	8.245	8.245	8.032	8.035	8.153	8.166	8.253	8.158	8.077	8.280	8.145	8.309	8.211	8.160	0.092	8.032	8.152	8.168	7.882	8.134	8.198
1437049	na	na	BE627361	NA	NA	NA	8.322	7.989	8.426	8.253	7.663	8.159	8.386	7.945	7.894	7.881	8.069	7.878	7.929	7.897	8.147	8.218	8.316	8.400	8.291	8.649	8.112	8.094	8.370
1437050	s	at	Anel2	AV330655	Mm.289914	1	9.165	9.338	9.485	9.256	9.314	9.537	9.296	9.353	9.315	9.379	9.517	9.357	9.326	9.308	9.353	9.265	9.482	9.332	9.287	9.285	9.410	9.581	9.218
1437051	at		Dffb	AV300013	Mm.388918	4	6.225	6.015	6.418	6.405	6.266	6.520	6.236	6.201	6.225	6.470	5.798	6.405	6.172	6.118	6.330	6.610	6.649	6.469	6.387	6.188	6.326	6.712	6.314
1437052	s	at	Slc2a3	BB414515	Mm.395108	6	7.671	8.221	7.657	7.516	7.976	7.725	7.701	7.559	8.320	8.248	8.289	7.787	8.120	8.230	7.686	7.488	7.605	7.440	7.445	7.301	7.321	7.543	7.554
1437053	x	at	Api5	BB813983	Mm.181824	2	4.081	3.945	4.036	3.921	3.936	3.994	4.093	4.020	3.998	4.009	4.129	4.237	3.969	4.174	4.025	4.165	4.183	3.897	3.987	4.041	3.911	4.029	4.052
1437054	x	at	Prrn1	AV209063	Mm.42733	16	3.772	3.862	3.797	3.741	3.783	3.708	3.950	3.844	3.691	3.724	3.955	3.764	3.704	3.748	3.928	3.822	3.805	3.770	3.802	3.960	3.710	3.724	3.781
1437055	x	at	Msf1	BB143944	Mm.271975	3	7.756	8.516	7.806	8.002	8.127	8.036	7.994	7.988	8.798	8.470	7.895	8.036	8.459	8.779	8.027	7.947	7.770	7.860	7.999	7.668	7.927	7.978	7.929
1437056	x	at	Crisp2	BB558800	Mm.264680	8	10.694	10.142	10.620	11.034	11.092	11.000	10.610	11.150	10.832	10.711	10.223	11.368	11.304	10.680	10.945	10.559	10.906	10.682	10.353	10.226	10.777	11.096	10.440
1437057	at		Meaf6	AI450376	Mm.275216	4	7.416	6.930	7.200	7.244	7.261	7.228	7.256	7.275	6.988	7.185	7.160	7.236	7.356	7.135	7.274	7.285	7.296	7.266	7.250	7.270	7.326	7.200	7.298
1437058	at		Meaf6	AI450376	Mm.275216	4	7.514	7.144	7.381	7.593	7.320	7.333	7.095	7.362	7.298	6.933	7.260	7.245	7.328	7.247	7.257	7.382	7.324	7.353	7.312	7.506	7.516	7.514	7.255
1437059	at		Sox21	BB045776	Mm.475207	14	10.138	9.964	10.154	10.014	10.122	9.965	10.064	10.088	10.163	10.048	10.094	10.064	9.988	10.008	10.110	10.022	10.060	10.035	10.088	10.003	10.031	10.026	10.009
1437060	at		Ofm4	AV290148	Mm.26456	14	4.398	4.196	4.489	4.177	4.103	4.129	4.224	4.093	4.051	4.071	4.304	3.910	4.209	4.103	4.314	4.400	4.175	4.196	4.280	4.319	4.282	4.132	4.234
1437061	at		Mfbl1	BF121558	Mm.22522	18	8.812	8.813	8.748	8.445	8.986	9.012	8.662	8.599	8.506	8.802	8.709	8.726	8.449	8.596	9.141	8.623	8.741	9.090	9.020	8.995	9.156	9.460	9.598
1437062	s	at	12000152N02Rik	BB131270	Mm.19825	10	3.862	3.753	3.881	3.778	3.844	3.817	3.709	3.854	3.775	3.813	3.718	3.741	3.787	3.776	3.812	3.982	3.829	3.937	3.806	3.923	3.702	3.958	3.792
1437063	at		Fmb1a	BB329682	Mm.290813	17	6.269	6.212	6.126	6.039	6.211	6.117	6.211	6.013	5.805	5.944	6.310	6.041	6.077	6.080	6.280	6.289	6.133	5.983	6.611	6.352	6.192	6.196	6.093
1437064	at		Ar	AV232123	Mm.39005	X	7.333	7.311	7.285	7.700	7.448	7.449	7.294	7.159	7.555	7.503	6.917	7.376	7.564	7.357	7.363	6.997	7.271	7.655	7.376	7.334	7.065	7.392	7.173
1437065	at		Zbtb20	BO174376	Mm.136238	16	10.736	10.071	10.204	10.223	10.269	10.162	10.196	10.318	9.855	10.101	10.055	10.255	10.117	9.835	10.309	10.331	10.516	10.221	10.107	10.258	10.553	10.917	10.491
1437066	at		Zbtb20	BO174376	Mm.136238	16	10.973	10.696	11.191	11.135	10.979	11.220	11.011	10.474	10.314	10.792	10.849	10.768	10.696	10.652	11.069	11.184	10.824	10.953	10.869	11.162	10.965	11.064	11.349
1437067	at		Phf12	BM228625	Mm.86410	5	10.535	10.079	10.758	10.335	10.348	10.291	10.376	10.224	9.614	10.253	9.997	10.177	9.999	9.742	10.162	10.678	10.280	10.226	10.308	10.155	10.326	10.622	10.455
1437068	na	na	NA	BM213268	NA	NA	6.903	6.532	6.538	6.674	6.498	6.761	6.726	6.731	6.487	6.556	6.724	6.360	6.635	6.860	6.682	6.653	6.658	6.558	6.713	6.886	6.539	6.695	6.847
1437069	at		Ccplb8	BB068133	Mm.252035	10	10.601	10.762	10.492	10.424	10.347	10.443	10.474	10.290	10.116	10.290	10.116	10.290	10.116	10.290	10.116	10.290	10.116	10.290	10.116	10.290	10.116	10.290	10.116
1437070	at		Cdc14b	BB224362	Mm.22024	13	9.456	8.778	8.979	9.713	10.106	9.908	9.807	9.467	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557	9.557
1437071	at		Efr1a	BB471576	Mm.294623	X	7.033	6.670	6.649	6.677	6.903	7.088	6.952	6.828	6.135	6.357	6.347	6.869	6.660	6.263	6.888	6.639	7.281	7.262	7.483	7.130	7.132	7.301	
1437072	at		Arhgap25	BM241218	Mm.119564	6	6.646	7.140	6.364	6.698	6.777	6.364	6.347	6.849	7.348	6.933	6.816	6.723	6.829	7.196	6.724	6.338	6.607	6.692	6.389	6.518	6.629	6.850	6.680
1437073	x	at	NA	BB115446	NA	NA	9.468	9.801	9.371	9.152	9.571	9.251	9.348	9.554	10.076	10.094	9.597	9.751	9.896	9.734	9.788	9.175	8.840	9.261	9.447	8.980	9.260	9.537	9.416
1437074	at		Snx5	BG067008	Mm.273379	2	5.160	5.406	5.276	5.170	5.419	5.452	5.407	5.008	5.625	5.475	5.501	5.318	5.448	5.495	5.497	5.408	5.182	5.263	5.276	5.325	5.451	5.152	5.422
1437075	at		Frm3d	BB099015	Mm.221597	4	3.929	3.878	3.880	3.954	3.863	4.035	4.037	3.822	3.740	3.822	3.918	3.837	3.860	3.779	3.864	3.884	3.923	3.745	3.921	3.927	3.894	3.841	3.962
1437076	at		AV330017M01Rik	BB279424	Mm.352401	15	5.267	4.858	5.164	5.085	5.121	5.128	5.025	4.934	5.044	5.164	5.160	4.803	5.125	5.112	5.031	5.173	5.117	5.115	5.288	5.123	5.211	5.185	5.183
1437077	at		Ucnr2	AV302870	Mm.429270	8	11.326	9.940	11.061	11.199	9.937	10.068	10.989	12.547	10.285	9.747	9.728	9.915	9.396	9.939	9.916	10.192	10.389	10.907	10.874	10.941	10.941	10.941	10.941
1437078	at		Vsn52	BF468377	Mm.296044	17	9.114	9.320	9.097	9.183	9.321	9.018	8.967	9.085	9.162	9.091	9.013	9.345	9.046	8.843	8.966	9.028	9.294	9.353	9.301	9.214	9.171	9.154	9.400
1437079	at		Slc18a2	AV334638	Mm.268797	19	4.829	4.477	4.837	4.754	4.618	5.140	4.776	4.640	4.584	4.484	4.653	4.779	4.598	4.738	4.893	4.732	4.697	4.755	4.917	5.051	4.516	4.500	4.805
1437080	s	at	Psmid1	AV296751	Mm.260539	11	12.701	12.824	12.642	12.458	12.630	12.518	12.558	12.824	12.682	12.636	12.984	12.720	12.644	12.845	12.621	12.551	12.777	12.596	12.549	12.468	12.665	12.733	12.605
1437081	at		Tim2	BM878039	Mm.206505	11	5.012	4.695	4.931	5.021	4.962	4.690	5.074	5.083	4.839	4.824	4.767	4.839	4.861	4.746	4.951	4.969	5.118	5.052	4.818	4.981	4.982	5.140	4.992
1437082	at		Akap9	BB246410	Mm.46044	5	8.445	8.632	8.364	8.441	8.662	8.176	8.324	8.997	8.581	8.439	8.081	8.910	8.808	8.059	8.265	8.303	9.277	9.051	8.321	8.411	9.000	9.250	8.231
1437083	at		Tmem169	BB475607	Mm.80318	1	5.993	5.745	5.848	6.034	5.874	5.865	5.767	6.072	5.887	5.907	6.016	5.921	5.856	5.686	5.829	6.071	5.835	5.921	5.813	6.034	5.924	5.885	5.967
1437084	at		Pde6b1	BB																									

1437132	x	at	Nedd9	BB535494	Mm.288980	13	10.052	9.824	9.422	9.235	9.857	8.654	9.064	9.865	10.096	10.213	9.774	10.023	9.302	9.599	9.424	8.830	8.595	8.291	8.400	8.783	9.162	9.330	9.410		
1437133	x	at	Akr1b3	AV127085	Mm.451	6	12.320	11.932	12.359	12.687	12.362	12.499	12.808	12.481	11.624	11.713	12.049	12.131	11.962	11.799	12.320	12.302	12.945	12.781	12.549	12.708	12.868	12.951	12.439	12.511	
1437134	at		OTTMUSG000000	AV166476	NA	1	7.768	7.529	7.606	7.770	7.761	7.659	7.709	8.001	7.553	7.371	7.721	7.268	7.610	7.575	7.432	7.643	7.969	7.838	7.719	7.854	7.797	7.770	7.567	7.461	
1437135	at		Bkw10	BF018708	Mm.475931	11	4.829	4.402	4.793	4.546	4.595	4.586	4.805	4.459	4.651	4.560	4.581	4.478	4.560	4.522	4.598	4.712	4.661	4.750	4.606	4.516	4.491	4.615	4.594	4.582	
1437136	at		S630436119Rik	AV316469	Mm.440747	17	5.725	6.021	5.517	5.637	6.287	5.745	5.137	5.154	5.211	5.170	5.828	5.948	5.175	5.242	5.710	5.557	5.315	5.386	5.418	5.093	5.718	6.117	5.707	5.707	
1437137	at		F4330550H21Rik	AV208075	Mm.72979	X	5.306	6.199	5.050	5.227	5.267	5.365	5.433	4.406	5.278	5.006	5.369	5.176	5.404	5.451	5.355	5.173	5.181	5.245	5.181	5.245	5.325	5.229	5.453	5.274	
1437138	at		Foxm1	BB398835	Mm.42148	6	4.312	4.434	4.211	4.327	4.293	4.287	4.299	4.402	4.419	4.268	4.381	4.147	4.182	4.275	4.010	4.103	4.464	4.172	4.416	4.260	4.365	4.194	4.488	4.406	
1437139	at		Glr1a1	AV344554	Mm.89320	11	4.171	4.162	4.265	4.417	4.233	4.253	4.390	4.212	4.208	4.411	4.301	4.254	4.111	4.134	4.286	4.420	4.331	4.211	4.382	4.396	4.092	4.221	4.362	4.473	
1437140	at		4930412F15Rik	BB667186	Mm.440423	4	5.373	5.276	5.265	5.424	5.334	5.375	5.270	5.345	5.321	5.255	5.289	5.422	5.067	5.367	5.370	5.323	5.336	5.247	5.407	5.360	5.317	5.474	5.423	5.328	
1437141	x	at	Dym	BB549381	Mm.173826	18	8.991	8.905	9.006	9.013	8.917	8.892	8.977	8.921	8.875	8.835	8.738	8.825	8.605	8.736	8.561	8.860	9.106	9.188	8.997	8.861	8.995	9.244	8.964	9.074	
1437142	at		Pilo	BB546713	Mm.143738	4	10.363	10.400	10.365	10.331	10.390	10.279	10.408	10.276	10.328	10.185	10.003	10.373	9.904	10.029	10.069	10.269	10.534	10.596	10.407	10.306	10.383	10.393	10.250	10.367	
1437143	at		Txndc1	AV310544	Mm.476631	12	11.980	12.423	12.307	12.125	12.263	12.573	12.403	11.880	11.669	11.846	12.055	11.943	11.956	12.157	12.208	12.185	12.115	12.443	12.750	12.450	12.131	12.353	12.575	12.263	
1437144	x	at	Psm16	AV100134	Mm.30210	12	12.598	12.626	12.707	12.511	12.426	12.555	12.567	12.582	12.427	12.472	12.446	12.470	12.313	12.541	12.400	12.633	12.552	12.513	12.503	12.406	12.545	12.722	12.508	12.523	
1437145	s	at	2310002151Rik	AV074000	Mm.46431	2	10.231	10.047	10.065	10.202	10.102	10.030	10.210	10.264	10.189	9.953	10.059	9.934	10.153	10.286	9.988	10.232	10.195	10.106	10.171	10.174	10.199	10.075	10.215	10.178	
1437146	x	at	Coro7	AV025980	Mm.325512	16	8.716	8.909	8.579	8.550	8.882	8.624	8.623	9.148	9.201	9.031	8.943	9.107	8.718	9.268	8.783	8.581	8.861	8.909	8.584	8.455	8.748	8.965	8.360	8.351	
1437147	at		Gabra2	AV348821	Mm.5309	11	3.920	3.923	3.804	3.912	3.991	4.144	4.107	4.051	3.928	4.044	4.091	3.774	4.183	4.050	4.062	4.067	3.951	4.023	4.163	4.302	4.029	4.018	4.047	4.172	
1437148	at		Arpc2	BG967632	Mm.337038	1	12.650	13.297	12.606	12.647	12.912	12.769	12.672	13.000	13.235	13.167	13.003	13.038	13.131	13.213	12.921	12.619	12.613	12.525	12.559	12.539	12.598	12.762	12.587	12.526	
1437149	at		Slc6a6	AI648846	Mm.395650	6	12.274	12.745	12.332	11.734	12.202	11.869	12.096	12.690	12.479	12.549	12.423	12.553	12.474	12.463	12.242	12.378	12.114	11.822	11.655	11.653	11.883	12.312	11.724	11.871	
1437150	at		1700012H17Rik	BB496291	Mm.331470	4	6.102	6.624	6.034	5.987	6.228	6.158	6.067	6.925	6.394	6.266	6.230	6.407	6.499	6.075	6.054	6.122	6.749	6.884	6.368	6.455	6.505	6.771	6.275	6.050	
1437151	at		Usp22	AI427806	Mm.30602	11	9.783	9.957	9.915	9.939	10.091	10.177	9.892	9.682	10.167	10.139	9.952	10.104	10.202	10.125	10.064	10.022	9.805	9.876	9.925	9.930	9.737	9.650	9.910	9.567	
1437152	at		Max3b	BG072837	Mm.306789	7	6.008	7.004	6.044	6.162	6.956	6.355	6.153	6.807	7.566	7.927	6.497	7.299	7.723	7.048	7.281	6.180	6.029	6.203	5.996	5.962	6.076	6.092	6.239	5.973	
1437153	at		Oco2	BM228817	Mm.332028	4	4.048	3.948	4.047	3.907	4.000	4.076	4.084	4.014	3.981	3.843	4.470	3.935	3.954	3.992	3.991	4.008	4.001	3.961	4.017	4.156	3.871	3.909	4.044	4.108	
1437154	at		Cep170	BB667247	Mm.269991	1	7.887	8.374	7.876	7.805	7.795	7.889	8.090	8.121	8.378	8.520	8.306	8.315	8.322	8.601	8.452	7.941	7.383	7.616	7.628	7.553	7.607	7.909	7.449	7.952	
1437155	a	at	Wwrt1	BG066193	Mm.405029	3	8.826	9.190	8.729	8.929	9.199	8.466	8.517	9.513	9.375	9.254	8.985	9.542	9.456	8.825	9.061	8.650	9.392	9.097	8.678	8.528	9.247	9.168	8.587	8.708	
1437156	at		Necab1	BB392041	Mm.389031	4	3.947	4.075	4.053	3.998	3.968	4.055	4.095	4.272	3.878	3.925	4.205	3.991	4.131	3.886	3.916	3.901	3.999	4.065	3.969	4.058	4.035	3.968	3.922	3.885	
1437157	at		Atfb1b1	BE630728	Mm.4550	1	6.930	6.941	6.885	7.002	6.910	6.883	6.925	7.066	6.928	6.828	6.997	6.711	6.835	6.815	6.848	7.063	6.961	6.934	6.884	6.895	6.788	6.881	6.857	6.843	
1437158	at		Usp22	BM228817	Mm.332028	15	9.983	9.957	9.915	9.939	10.091	10.177	9.892	9.682	10.167	10.139	9.952	10.104	10.202	10.125	10.064	10.022	9.805	9.876	9.925	9.930	9.737	9.650	9.910	9.567	
1437159	s	at	NA	AV553767	NA	1	7.769	7.262	8.013	8.140	8.314	7.826	7.896	7.894	8.200	8.248	7.930	8.078	8.008	7.189	8.142	8.060	6.249	8.047	6.884	6.880	6.222	7.965	7.965	7.882	
1437160	at		Nlgn1	BB702951	Mm.316080	3	4.127	3.882	3.939	3.962	3.924	3.923	3.764	3.934	3.724	3.938	3.955	3.877	3.841	3.798	3.928	3.944	3.973	3.964	4.034	3.980	3.986	4.014	3.904	4.121	
1437161	x	at	Rbms	BG069460	Mm.323997	8	11.148	11.288	10.848	10.949	11.202	10.860	10.786	12.042	11.715	11.428	11.250	11.706	11.729	11.093	11.252	10.862	11.206	11.541	11.108	11.103	11.748	12.000	11.008	11.075	
1437162	at		NA	BM203355	NA	NA	8.129	8.290	8.099	8.078	8.187	8.433	8.223	7.702	8.117	8.308	8.003	8.124	7.748	7.669	8.034	8.254	7.996	7.874	8.178	8.123	7.925	7.708	7.762	8.342	7.703
1437163	x	at	Gt2h4	BB168668	Mm.10182	17	9.987	10.329	9.827	9.912	9.785	9.590	10.017	10.393	10.023	9.896	9.718	9.996	9.648	9.937	9.539	9.644	10.372	10.423	10.016	9.785	10.262	10.362	9.705	9.673	
1437164	x	at	Atfp5	AV066932	Mm.41	16	10.986	10.519	10.921	10.928	10.638	10.598	10.670	11.280	10.289	10.412	10.529	11.025	10.400	10.250	10.740	10.877	11.354	11.322	10.712	11.807	11.629	11.633	10.883	11.027	
1437165	a	at	Pcclce	BB250811	Mm.262345	5	10.585	11.889	10.344	10.771	11.996	11.003	10.669	12.266	12.638	12.494	11.516	12.655	12.305	11.679	11.761	10.177	10.999	11.017	10.789	10.261	10.776	11.126	10.124	10.035	
1437166	at		Usp22	BM228817	Mm.332028	17	7.290	7.517	7.812	7.995	7.692	7.327	7.249	7.467	7.580	7.694	7.822	7.983	7.725	7.625	7.122	7.335	7.839	7.984	7.862	7.553	7.665	7.957	7.152	7.235	7.882
1437167	at		Tmod2	BB334744	Mm.291880	9	5.943	5.421	5.752	5.822	5.503	5.671	5.874	5.526	5.599	5.434	5.763	5.569	5.602	5.658	5.639	5.540	5.666	5.532	5.503	5.553	5.543	5.433	5.840	5.677	
1437168	at		RP23-12124.6	BB335578	Mm.156636	4	3.915	3.772	3.866	3.693	3.687	3.830	3.918	3.807	3.825	3.703	3.816	3.893	3.818	3.797	3.730	3.839	3.969	3.886	3.772	3.706	3.787	3.931	3.807	3.829	
1437169	at		LOC100048338	AV013697	NA	19	4.757	4.780	4.884	4.885	5.085	4.593	4.811	5.063	5.060	5.001	4.978	4.804	4.917	4.866	4.760	4.895	4.858	4.760	4.777	4.690	4.774	4.841	4.681	4.852	
1437170	x	at	LOC100048338	AV013697	NA	19	6.543	6.758	6.567	6.514	6.527	6.326	6.459	6.937	6.914	6.722	6.691	6.650	6.455	6.367	6.507	6.478	6.194	6.321	6.309	6.067	6.571	6.501	6.494	6.465	
1437171	x	at	Gsn	AV025667	Mm.21109	2	12.916	11.601	13.084																						

1437221	at	Rrm2b	BB702377	MM.24738	15	6.939	7.117	6.978	7.556	7.221	6.742	6.942	6.846	6.385	6.246	6.708	7.654	6.820	6.654	6.743	7.151	7.406	7.222	6.881	6.667	7.228	7.230	6.902	6.815		
1437222	x	at	Rrm2b	BB702377	MM.24738	15	7.615	7.645	7.825	8.036	7.728	7.721	7.836	7.597	7.520	7.005	6.825	7.339	8.329	7.415	7.303	7.378	7.737	8.067	7.713	7.375	7.244	7.658	7.973	7.428	7.449
1437223	s	at	Xbp1	AV051768	MM.469937	11	11.833	12.078	11.633	11.251	11.541	11.353	11.413	11.359	12.109	12.013	12.026	11.708	11.785	11.783	11.468	11.536	11.300	11.333	11.143	11.084	11.632	11.447	11.674	11.584	
1437224	at	Rtn4	BE988775	MM.192580	11	9.425	11.752	9.079	9.202	10.638	9.291	9.169	10.289	11.963	11.671	10.965	11.524	11.088	11.394	10.364	9.149	9.043	9.117	9.428	8.785	9.037	9.238	8.705	8.437		
1437225	x	at	Gna3	BB761305	MM.271703	3	6.552	7.154	6.679	6.675	6.704	6.695	6.770	6.784	6.755	7.382	7.033	6.953	6.821	7.237	7.010	6.458	6.245	6.292	6.034	6.130	6.618	6.708	7.072	7.052	
1437226	at	Marcks1	AV110558	MM.427974	4	8.935	10.113	8.448	8.733	9.967	8.881	8.967	8.981	10.911	10.413	10.880	9.799	9.926	10.085	9.697	8.440	8.060	8.251	8.262	8.009	8.180	8.156	8.901	8.657		
1437227	at	Urm1	BB426721	MM.20273	2	7.403	6.982	7.378	7.411	7.301	7.493	7.277	7.261	7.089	7.004	7.176	7.348	7.050	7.135	7.290	7.416	7.203	7.464	7.473	7.210	7.159	7.146	7.179	7.347		
1437228	at	BC048651	AV303824	MM.87624	6	7.974	7.663	7.945	7.957	7.985	7.983	8.022	7.844	7.919	7.906	7.950	7.925	7.849	7.925	7.926	7.985	7.809	8.016	7.938	8.119	8.000	7.843	8.008	8.055		
1437229	at	Efbh	AV256105	MM.60887	17	6.821	6.572	6.826	6.620	6.612	6.679	6.468	6.884	6.657	6.631	6.690	6.692	6.852	6.546	6.667	6.710	6.692	6.675	6.684	6.706	6.778	6.565	6.621	6.738		
1437230	at	Kcna1	AV36193	MM.40424	6	5.681	5.185	5.890	5.715	5.510	6.263	5.648	5.417	5.590	5.452	5.389	5.735	5.501	5.686	5.696	5.861	5.824	6.134	6.166	5.811	5.735	5.714	6.066	5.809		
1437231	at	Slitrk6	AV246497	MM.49728	14	3.991	4.195	4.154	4.105	3.984	4.338	4.298	4.096	3.910	4.187	3.989	4.019	4.066	4.359	3.979	4.209	4.253	4.170	4.023	4.033	4.033	4.055	3.725	3.898		
1437232	at	Bmi2	BB003287	MM.107214	10	3.949	4.002	3.877	4.080	3.922	3.794	3.978	3.834	3.927	3.892	3.881	3.932	3.899	3.874	3.922	3.902	3.719	3.797	3.971	3.760	3.884	4.097	3.886	3.956		
1437233	x	at	LOC100047869	AV932969	NA	4	7.801	7.622	7.789	7.764	7.795	7.721	7.730	7.777	7.672	7.669	7.717	7.661	7.619	7.726	7.770	7.776	7.863	7.675	7.925	8.045	7.732	7.536	7.788	7.800	
1437234	x	at	Prm12	BB357347	MM.32020	10	10.165	11.369	10.066	10.196	10.727	10.301	10.385	10.697	11.682	11.309	10.799	11.273	11.273	11.168	10.913	9.892	10.377	10.350	10.196	10.314	10.427	10.141	10.018		
1437235	x	at	Lpp	BB218844	MM.209385	16	7.396	7.671	7.405	7.355	7.578	7.368	7.552	7.461	7.764	7.953	7.561	7.586	7.669	7.929	7.662	7.337	6.949	7.208	7.403	7.374	7.087	6.939	7.492	7.441	
1437236	a	at	Zfp110	AV263718	MM.292297	7	7.628	7.724	7.860	7.754	7.491	7.750	7.982	7.606	7.685	7.898	7.063	7.933	7.766	7.632	7.474	8.027	8.025	7.651	7.424	7.430	7.711	7.980	7.699	7.569	
1437237	x	at	Zfp110	AV263718	MM.292297	7	9.085	9.089	9.340	9.221	9.017	9.179	9.293	9.178	9.174	9.348	8.645	9.359	9.367	9.046	9.088	9.366	9.407	9.247	9.030	8.957	9.173	9.271	9.141	9.061	
1437238	x	at	Nmd3	BB233370	MM.61062	3	9.227	9.532	9.358	9.067	8.998	9.166	9.181	9.258	9.127	9.322	9.111	9.352	9.397	9.294	9.187	9.170	9.105	9.044	9.201	8.914	9.110	9.171	8.983	9.441	
1437239	x	at	Pkc1	BB334118	MM.259103	4	9.740	10.184	9.480	9.746	10.113	9.640	9.669	10.163	10.429	10.195	10.358	10.265	10.285	9.921	10.018	9.545	10.133	10.040	9.544	9.477	10.162	10.211	9.970	9.671	
1437240	at	Pqm2	BM213322	MM.217764	4	7.489	7.355	7.600	7.558	7.330	7.889	7.687	7.574	7.427	7.240	7.461	7.423	7.654	7.542	7.517	7.596	7.887	7.524	7.826	7.720	7.577	7.994	7.799	7.354		
1437241	at	Phc11	BB137387	MM.96116	12	9.517	9.216	9.678	9.588	9.778	9.865	9.523	9.996	9.040	9.232	9.358	9.398	9.358	9.242	9.929	9.608	9.096	9.260	9.555	9.464	9.440	9.436	9.974	9.579		
1437242	at	Tlll12	AV121345	MM.46778	15	7.758	8.570	7.605	7.856	8.244	7.745	7.721	7.973	8.631	8.512	7.990	8.421	8.451	8.633	8.046	7.653	7.853	7.679	7.894	7.710	7.748	7.687	7.656	7.624		
1437243	at	D2hgdh	AV349520	MM.383401	1	9.359	9.120	9.757	9.659	9.215	9.895	9.203	8.887	8.485	8.842	8.660	9.193	8.855	8.966	9.378	9.596	9.897	9.487	9.333	9.472	9.307	9.264	9.625	9.827		
1437244	at	Gas2i3	BB770972	MM.11982	7	7.019	8.105	6.863	6.981	7.199	7.259	7.396	8.295	7.976	8.205	8.762	8.733	7.485	8.224	7.852	6.965	6.653	6.963	7.025	7.095	7.193	6.993	6.629	7.161		
1437245	at	Tmem154	BB778966	MM.107370	3	4.910	4.962	4.934	4.860	4.725	4.992	4.745	5.019	4.952	4.925	4.937	4.863	4.845	4.985	4.786	4.816	4.577	4.662	4.829	4.780	4.792	4.664	4.951	4.799		
1437246	x	at	Rps6	C76675	MM.379007	4	10.720	11.021	10.785	10.703	10.705	10.690	10.795	10.810	10.895	10.962	10.746	10.847	10.767	10.892	10.584	10.637	10.890	10.824	10.748	10.631	10.929	10.946	10.630	10.580	
1437247	at	Gna3	MM.24684	MM.24684	5	10.483	10.077	9.675	9.675	10.483	10.077	9.675	9.675	10.483	10.077	9.675	9.675	10.483	10.077	9.675	9.675	10.483	10.077	9.675	9.675	10.483	10.077	9.675	9.675	10.483	
1437248	at	AV270009A03Rik	MM.230224	MM.230224	19	6.526	6.515	6.685	6.642	6.315	6.685	6.642	6.315	6.685	6.642	6.315	6.685	6.642	6.315	6.685	6.642	6.315	6.685	6.642	6.315	6.685	6.642	6.315	6.685		
1437249	at	Skaol	BC075562	MM.395840	11	5.356	4.987	5.433	5.411	5.048	5.278	5.354	5.165	5.111	5.122	5.260	5.066	5.102	5.128	5.339	5.317	5.320	5.230	5.400	5.449	5.336	5.309	5.433	5.508		
1437250	at	Mreq	AV298358	MM.471705	1	9.917	8.804	9.754	10.110	9.437	9.904	10.127	9.487	8.087	8.681	8.568	9.361	8.675	8.879	9.440	9.834	9.854	9.719	9.705	9.724	10.055	10.235	10.024	10.012		
1437251	at	Gcdca2	BC065056	MM.33831	14	6.461	7.725	6.677	6.699	6.835	6.829	6.988	7.468	7.560	7.271	7.489	6.692	7.105	7.587	7.114	6.699	6.773	6.849	6.608	6.808	6.707	7.072	6.971	6.771		
1437252	at	Gats	BB768012	MM.45218	5	8.873	8.536	8.699	8.687	8.966	8.541	8.416	8.501	8.651	8.756	8.154	8.896	8.887	8.270	8.628	8.720	8.818	8.594	8.855	8.528	8.493	8.601	8.499	8.601		
1437253	at	A630054L15Rik	BB235551	MM.260512	14	7.852	8.005	8.335	8.125	8.017	8.191	8.195	7.526	7.950	8.352	7.859	8.083	7.882	8.336	8.488	8.268	7.281	7.863	8.053	8.013	7.857	7.761	8.219	8.247		
1437254	at	Cep76	BB315525	MM.111928	18	7.742	7.458	7.740	7.735	7.572	7.518	7.744	7.754	7.625	7.866	7.711	7.515	7.472	7.743	7.521	7.601	7.608	7.492	7.556	7.621	7.426	7.497	7.789	7.678		
1437255	at	Bmi2	MM.217764	MM.217764	10	6.960	6.495	6.735	6.432	6.932	6.470	6.436	6.932	6.470	6.436	6.932	6.470	6.436	6.932	6.470	6.436	6.932	6.470	6.436	6.932	6.470	6.436	6.932	6.470		
1437256	at	Dcun1d5	BE824946	MM.27293	9	4.704	4.709	4.694	4.691	4.725	5.039	4.764	4.546	4.400	4.842	4.488	4.840	4.702	4.570	4.895	4.708	4.676	4.501	4.590	4.472	4.532	4.569	4.710	4.781		
1437257	at	Wdr47	BB344753	MM.285968	3	5.301	5.239	5.389	5.279	5.303	5.393	5.304	5.219	5.432	5.228	5.230	5.373	5.292	5.399	5.261	5.292	5.364	5.501	5.237	5.219	5.525	5.175	5.290	5.382		
1437258	at	100042999	BB120697	NA	3	4.276	4.043	4.005	4.019	4.239	4.134	4.089	4.189	4.437	4.157	4.256	4.378	4.507	4.325	3.934	3.995	4.268	4.227	4.095	4.127	4.331	4.133	4.127	4.188		
1437259	at	Sltc9a2	AV274006	MM.256414	1	6.085	5.918	6.207	6.493	6.076	6.344	6.392	5.484	6.025	5.746	6.039	5.549	5.912	5.992	5.815	6.150	6.417	6.025	6.462	6.554	6.058	5.999	6.627	6.511		
1437260	at	MMnr1	BB035005	MM.389175	6	8.640	8.120	8.456	8.369	8.511	8.613	8.905	8.652	8.125	8.354	8.605	8.430	8.183	8.128	8.655	8.450	8.519	8.196	8.413	7.970	8.621	9.331	8.347	8.736		
1437261	at	Z900024010Rik	AV307240	MM.31095	13	6.675																									

1437310	at	Bbs1	BB121315	Mm.23636	19	6.883	6.991	7.206	7.096	7.246	7.115	7.448	7.060	7.196	7.297	6.939	7.212	7.134	7.056	7.055	7.007	7.163	7.480	7.282	7.124	6.953	7.346	6.981	7.005	
1437311	at	A930034L06Rik	BB281971	Mm.294494	2	7.434	7.175	7.393	7.304	7.237	6.912	7.283	7.297	7.252	7.034	7.466	7.327	7.391	7.251	7.272	7.382	7.185	7.279	7.283	7.300	7.247	7.282	7.373	7.269	
1437312	at	Bmnr1b	BB698679	Mm.39089	3	5.385	5.090	4.860	5.125	5.352	5.137	5.094	5.074	5.131	5.180	5.408	5.045	5.324	5.391	5.020	5.060	5.191	5.131	5.209	5.203	5.246	5.067	5.385	4.990	
1437313	x at	Hmnb2	C85885	Mm.279998	8	7.007	6.923	7.197	7.151	7.408	7.420	7.593	8.379	7.941	8.410	8.415	7.688	7.688	8.653	8.136	7.171	6.902	7.079	6.908	6.769	7.737	7.137	7.193	7.160	
1437314	a at	Tpm1	BG061920	Mm.276720	8	7.754	7.703	7.772	7.839	7.727	7.527	7.619	7.540	7.683	7.710	7.820	7.739	7.679	7.636	7.927	7.698	7.723	7.698	7.723	7.698	7.723	7.649	7.791	7.768	
1437315	at	Gpr17b2	AV333222	Mm.28597	15	6.743	6.581	6.707	6.464	6.396	6.792	6.654	6.432	6.206	6.458	6.425	6.343	6.544	6.470	6.277	6.648	6.589	6.755	6.765	6.655	6.427	6.417	6.489	6.515	
1437316	at	Fbxw19	BB556441	Mm.133921	9	8.188	7.843	8.174	8.050	7.978	7.908	8.046	7.937	7.908	8.002	7.929	8.006	8.003	8.092	8.098	7.963	7.932	7.942	8.072	8.181	7.963	8.116	8.154		
1437317	at	Ube1l	BB735820	Mm.277125	9	9.801	9.414	9.581	9.695	9.585	9.515	9.772	9.737	9.540	9.431	9.589	9.548	9.547	9.615	9.447	9.644	9.701	9.583	9.588	9.734	9.731	9.614	9.673	9.770	
1437318	at	Pak3	BB468082	Mm.40035	X	7.554	6.350	7.450	7.279	8.361	7.415	7.259	7.629	10.066	9.737	8.015	8.738	9.135	8.370	8.157	7.427	7.241	7.410	7.461	7.387	7.027	7.128	7.278	7.164	
1437319	at	Unc13c	BG069400	Mm.41035	9	4.565	4.417	4.317	4.365	4.271	4.357	4.381	4.283	4.280	4.272	4.388	4.034	4.334	4.326	4.283	4.338	4.384	4.341	4.404	4.481	4.251	4.271	4.424	4.398	
1437320	s at	Xpa	BM117916	Mm.247036	4	6.050	5.824	5.899	6.037	6.125	6.045	5.861	5.814	6.150	5.995	6.058	6.331	6.024	5.998	6.143	6.116	6.135	6.182	5.971	6.047	5.920	6.089	6.013	5.987	
1437321	at	Atpla4	AI480619	Mm.422027	1	5.561	5.204	5.462	5.476	5.454	5.368	5.366	5.300	5.347	5.255	5.370	5.319	5.317	5.393	5.408	5.417	5.421	5.330	5.476	5.443	5.479	5.278	5.500	5.558	
1437322	at	Rbm4	MM218282	Mm.426069	19	7.506	7.651	7.905	7.732	7.622	7.809	7.935	7.382	7.324	7.516	7.284	7.464	7.283	7.378	7.688	7.901	7.399	7.611	7.881	7.676	7.704	7.514	8.009	7.623	
1437323	a at	Iap	BB434117	Mm.415	6	4.080	4.299	4.075	4.152	4.118	3.987	4.095	4.170	4.202	4.032	4.040	4.209	4.111	4.195	4.054	3.971	4.186	4.154	3.994	4.340	4.111	4.138	4.034	4.055	
1437324	x at	Fmod	BB504826	Mm.287146	1	6.149	6.557	6.193	6.278	7.918	8.032	6.372	7.330	8.049	8.340	6.755	10.467	10.465	6.803	8.453	6.337	6.733	7.832	7.020	6.439	7.661	6.201	6.018	6.165	
1437325	x at	Aldh18a1	BB251523	Mm.233117	19	7.565	9.475	7.190	7.613	8.709	7.665	7.662	8.712	9.554	8.841	8.681	8.598	8.734	8.918	8.160	7.351	7.744	7.958	7.645	7.334	7.653	7.769	7.545	7.139	
1437326	x at	Ela3	AV060902	Mm.297477	4	6.022	5.569	5.976	5.898	5.747	5.808	5.940	5.946	5.427	5.565	5.847	5.701	5.747	5.676	5.982	6.058	6.018	5.958	5.812	5.914	5.810	5.854	5.898	6.187	
1437327	x at	Enoph1	BB251327	Mm.11311	5	8.259	8.958	8.184	8.278	8.348	8.523	8.653	8.250	8.497	8.515	8.303	8.433	8.491	8.893	8.243	8.236	8.246	8.341	8.531	8.152	8.149	8.294	8.328	8.151	
1437328	x at	Cpsf3	BB206008	Mm.356778	12	3.997	3.966	4.011	4.102	4.031	3.972	3.958	3.951	3.713	3.782	3.967	3.936	3.848	3.792	3.953	3.869	4.018	3.948	3.971	3.800	3.997	3.932	3.942	4.120	
1437329	at	Ptmb	BG067863	Mm.27286	16	7.701	7.502	7.486	7.561	7.485	7.713	7.504	7.486	7.518	7.499	7.483	7.336	7.355	7.474	7.455	7.652	7.378	7.561	7.650	7.482	7.430	7.335	7.577	7.587	
1437330	at	Lrrk1	AV221111	Mm.33284	7	7.761	8.949	7.642	7.898	7.835	7.791	7.819	8.099	7.936	8.060	7.626	8.478	8.250	7.876	7.843	7.782	7.919	7.782	7.790	7.730	7.791	7.653	7.723	7.681	
1437331	a at	Arr3	AI987871	Mm.221298	15	9.584	10.317	9.724	9.749	10.033	9.865	9.787	9.611	10.418	10.368	9.909	10.189	10.159	10.407	10.076	9.730	9.277	9.465	9.571	9.204	9.391	9.407	9.784	9.551	
1437332	at	Aldh18a1	BB312372	NA	NA	5.240	4.937	5.367	5.322	5.066	5.403	5.309	4.979	4.946	5.110	5.258	5.028	5.089	5.183	5.311	5.157	5.228	5.283	5.358	5.477	5.238	5.110	5.264	5.334	
1437333	x at	Aldh18a1	BB833010	Mm.233117	19	7.063	8.018	7.118	7.060	7.501	7.223	7.143	7.405	7.620	7.706	7.466	7.291	7.256	7.716	7.302	7.243	6.993	7.314	7.261	7.227	7.056	7.174	7.084	7.270	
1437334	x at	Parn	AI642650	Mm.182350	16	9.121	9.495	9.153	9.229	9.507	9.319	9.084	9.178	9.364	9.189	8.759	9.341	9.340	9.190	9.214	9.203	9.483	9.339	9.266	9.120	9.058	9.274	9.031	8.886	
1437335	x at	Poldip3	BB534975	Mm.23758	15	10.084	10.313	10.118	10.264	10.087	10.341	10.200	10.067	10.678	10.441	10.110	10.482	10.449	10.459	10.506	10.178	10.140	10.197	10.157	10.097	10.097	10.260	10.445	10.274	
1437336	x at	Pck1c4	BB239399	Mm.23636	17	12.237	12.507	12.267	12.212	12.519	12.427	12.626	12.618	12.511	12.427	12.452	12.398	12.452	12.398	12.452	12.398	12.452	12.398	12.452	12.398	12.452	12.398	12.452	12.398	
1437337	at	Fuk	BB207587	Mm.102591	7	7.822	7.805	7.826	7.890	8.085	8.064	8.017	8.160	8.264	8.017	8.160	8.264	8.017	8.160	8.264	8.017	8.160	8.264	8.017	8.160	8.264	8.017	8.160	8.264	
1437338	x at	Elp3	BB172662	Mm.29719	14	8.757	8.931	8.978	8.882	8.838	8.902	8.902	8.851	8.940	8.780	8.685	8.825	8.825	9.043	8.771	8.851	8.751	8.734	8.935	8.775	8.858	8.921	8.891	8.828	
1437339	s at	Pck3	BB241731	Mm.3401	19	7.271	7.309	7.096	7.350	7.471	7.343	7.401	7.500	7.346	7.421	7.240	8.368	7.755	7.627	7.632	7.751	7.584	7.731	7.369	7.218	7.294	7.400	7.701	7.091	
1437340	x at	Gkn1	AV081751	Mm.46414	6	6.230	6.246	6.408	6.348	6.547	6.265	6.198	6.712	6.425	6.232	6.407	6.122	6.352	6.255	6.478	6.433	6.779	6.478	6.615	6.499	6.483	6.481	6.438	6.537	
1437341	x at	Cnp	BB251922	Mm.15711	11	8.437	9.258	8.373	8.524	8.936	8.784	8.795	9.040	9.341	8.967	8.833	9.252	9.118	9.038	8.729	8.424	8.933	9.047	8.971	8.454	8.734	8.870	8.333	8.277	
1437342	x at	Pttm1p	BB498753	Mm.28853	10	11.750	11.850	11.936	11.800	11.811	12.045	11.836	11.784	11.765	11.921	11.868	11.951	11.865	11.915	12.126	11.887	11.840	11.941	11.999	11.893	11.821	11.864	12.084	12.089	
1437343	x at	Ala3a3	AV239773	Mm.241152	4	10.454	10.965	10.393	10.420	10.470	10.644	10.614	10.488	10.461	10.320	10.610	10.160	10.114	10.635	10.179	10.335	10.704	10.690	10.534	10.464	10.293	10.422	10.516	10.264	
1437344	x at	Plp13	BB295242	Mm.4546	11	7.535	8.039	8.561	8.24	8.355	8.513	8.554	8.249	8.23	8.319	8.380	8.239	8.219	8.385	8.592	8.573	8.561	8.530	8.526	8.536	8.546	8.528	8.528	8.528	
1437345	a at	Bsc2l	BB223872	Mm.345134	19	9.694	10.245	9.588	9.739	10.010	9.945	9.773	9.880	10.365	10.095	9.697	10.183	10.132	10.158	9.844	9.573	10.178	10.245	10.050	9.751	9.965	9.973	9.522	9.491	
1437346	x at	Iqf	AV372821	Mm.342177	12	4.039	3.787	3.991	3.920	3.954	4.051	4.003	3.984	4.033	3.887	3.994	3.918	3.985	3.954	3.961	4.077	3.956	3.995	3.992	3.992	3.974	4.036	4.032	4.002	
1437347	at	Ednrn	BF100813	Mm.229532	14	9.861	10.128	10.104	9.786	9.820	9.878	9.646	9.646	9.725	9.719	9.972	10.591	9.667	9.808	10.282	10.000	9.860	9.285	9.398	9.644	9.453	9.436	9.672	10.157	9.853
1437348	at	Fbxo28	AV173466	Mm.30737	1	8.534	8.878	8.883	8.684	8.611	8.853	8.803	8.452	8.699	8.786	8.797	8.605	8.470	8.862	8.915	9.055	8.526	8.469	8.732	8.839	8.558	8.531	8.983	9.058	
1437349	at	Ckaap5	BE951922	Mm.16498	2	9.627	9.624	9.856	9.836	9.499	9.890	9.750	9.043	9.387	9.798	9.940	9.465	9.398	9.703	9.715	9.922	9.999	9.607	9.944	9.902	9.404	8.978	9.744	10.063	
1437350	at	Dnh1	AV290046	Mm.41496	11	8.301	8.317	8.336	8.337	8.428	8.410	8.361	8.326	8.192	8.406</															

1437399	at	Cldnd1	BE627927	Mm.29482	16	4.882	4.804	4.803	4.815	4.745	4.613	4.543	4.638	4.685	4.599	4.769	4.578	4.808	4.756	4.627	4.821	4.734	4.883	4.688	4.757					
1437400	at	Nedd4l	BB309512	Mm.98668	18	6.763	6.817	7.273	7.106	7.056	7.286	7.049	6.533	6.447	6.876	6.510	6.836	6.681	6.796	7.086	7.432	7.686	7.683	7.789	7.789	7.169	6.892	7.039	7.207	
1437401	at	Igf1	BG075165	Mm.268521	10	8.713	9.404	9.042	9.157	10.007	9.734	9.325	9.418	10.480	10.425	9.407	10.433	10.193	10.198	10.109	8.935	8.228	8.793	9.381	8.433	8.256	8.641	8.048	8.591	
1437402	x at	Tmem41b	BB310390	Mm.43212	7	10.726	10.383	10.729	10.445	10.300	10.503	10.506	10.349	10.166	10.549	10.780	10.207	10.313	10.394	10.425	10.782	10.411	10.446	10.667	10.598	10.376	10.311	10.600	10.743	
1437403	at	Samd5	BB308071	Mm.101115	10	8.203	7.989	8.134	8.100	7.981	8.126	8.046	8.575	7.765	7.698	8.228	8.110	8.058	7.835	7.952	8.126	7.932	8.002	8.266	7.938	8.275	8.256	8.585	8.140	
1437404	at	Masf4	AI642422	Mm.202606	13	7.386	7.905	7.679	7.623	8.102	7.600	7.589	7.645	7.848	7.953	7.934	7.746	7.814	7.705	7.865	7.509	7.398	7.412	7.581	7.157	7.147	7.585	7.685	7.685	
1437405	a at	Igfbp4	BB787243	Mm.233799	11	13.077	13.008	12.998	13.955	13.530	13.608	13.280	13.099	13.329	13.467	13.127	13.534	13.581	13.443	13.595	13.055	12.769	13.132	13.418	12.805	12.965	12.970	12.947	13.105	
1437406	x at	Igfbp4	BB787243	Mm.233799	11	12.636	12.577	12.600	13.064	13.080	13.181	12.804	12.677	12.878	12.979	12.665	13.104	13.163	13.036	13.093	12.615	12.348	12.679	12.949	12.421	12.533	12.554	12.586	12.712	
1437407	at	9930039A11Rik	AV220974	Mm.305696	11	6.840	6.692	6.855	6.947	6.805	6.759	6.982	6.881	6.828	6.639	6.615	6.692	6.852	6.848	6.876	6.835	6.840	6.932	7.043	6.931	7.054	6.905	6.990	7.017	
1437408	at	Gpr126	BB812574	Mm.440142	10	4.070	3.836	3.977	3.916	3.787	3.848	3.844	3.707	3.815	3.770	3.846	3.792	3.749	3.797	3.919	3.956	3.887	3.799	3.871	3.890	3.889	3.846	3.985	3.995	
1437409	s at	Gpr126	BB812574	Mm.440142	10	6.096	6.223	6.146	5.881	6.141	6.422	6.142	5.824	6.227	6.316	6.278	5.773	6.424	6.391	6.040	6.105	6.022	5.870	6.039	5.946	6.159	6.473	6.181	6.259	
1437410	at	Alfh2	Mm.284446		5	8.144	7.905	8.340	8.393	8.106	8.285	7.934	8.022	7.893	7.943	7.617	8.461	8.204	8.024	7.998	8.151	8.162	8.099	7.989	8.065	8.435	8.585	8.294	8.273	
1437411	at	A430093A21Rik	BM226368	Mm.747118	1	7.007	7.030	6.711	6.923	7.077	6.820	6.894	7.220	6.722	6.838	6.881	7.043	6.939	6.682	6.844	6.720	7.198	6.830	6.744	6.595	7.787	7.250	6.799	6.741	
1437412	at	Prdx6-rs1	AV269068	Mm.60992	2	7.234	6.870	7.077	6.975	6.859	6.873	6.956	6.834	6.894	6.862	6.897	6.948	6.804	7.033	6.962	7.082	6.860	7.118	6.947	7.179	6.947	6.956	6.916	7.188	
1437413	x at	Rps29	AV216244	Mm.379006	12	14.218	14.404	14.016	14.164	14.274	14.190	14.196	14.538	14.580	14.314	14.228	14.374	14.327	14.251	14.156	14.044	14.514	14.422	14.203	14.186	14.433	14.493	14.138	13.903	
1437414	at	Zfp217	AW987152	Mm.22858	2	8.001	8.563	8.248	8.442	8.423	8.496	8.511	8.279	8.573	8.579	8.337	8.629	8.610	8.798	8.543	8.226	8.259	8.480	8.367	8.316	8.384	8.576	8.476	8.418	
1437415	at	4933427D06Rik	AV281902	Mm.281744	6	4.280	3.995	4.117	4.059	4.011	4.039	4.133	4.021	4.151	3.941	4.070	4.091	3.960	4.037	4.077	4.137	4.233	3.947	4.077	4.102	4.040	3.990	4.178	4.085	
1437416	at	BC034902	BE199876	Mm.198389	2	3.650	3.630	3.680	3.451	3.661	3.759	3.624	3.690	3.695	3.685	3.617	3.640	3.570	3.589	3.801	3.730	3.718	3.693	3.704	3.821	3.531	3.732	3.609	3.660	
1437417	s at	LOC100045283	BB493031	NA	14	7.576	8.220	7.876	7.954	8.866	8.424	7.834	8.048	8.835	9.104	8.272	9.238	9.328	8.457	8.878	7.775	7.260	7.445	7.619	7.475	7.488	7.692	8.036	7.736	
1437418	at	100041799	BC070683	Mm.11171	10	5.561	4.372	5.235	4.831	4.594	4.741	5.169	4.821	4.547	4.565	4.617	4.508	4.470	4.631	4.811	4.887	4.552	4.653	4.735	4.874	4.971	4.658	4.687	4.689	
1437419	at	Bmo2l	BB329439	Mm.281490	5	6.636	8.013	6.495	6.146	6.667	6.436	6.607	6.982	8.035	7.723	7.272	6.969	6.946	7.875	6.850	6.621	6.323	6.068	6.509	5.856	6.332	6.276	6.232	6.200	
1437420	at	Baz1b	BE943572	Mm.40331	5	7.288	7.047	7.065	7.104	7.031	6.908	7.184	7.113	7.038	7.010	7.168	7.064	7.092	7.208	7.046	7.156	7.223	7.056	7.195	7.082	7.095	7.203	7.172	7.059	
1437421	at	NaX	BB332988	NA	NA	6.911	8.125	6.859	6.894	7.373	7.270	7.197	6.819	8.277	8.443	7.188	7.869	7.886	7.811	7.558	7.070	7.714	7.097	7.764	7.060	6.662	6.880	6.646	6.838	
1437422	at	Sema5a	AV375653	Mm.260374	15	6.997	6.531	6.729	7.056	6.902	6.894	6.841	6.922	6.845	6.903	6.686	8.329	7.344	6.626	7.282	6.735	6.786	6.888	6.982	6.857	6.835	6.965	6.970	6.733	
1437423	a at	Sra1	BC074964	Mm.29058	18	10.351	10.373	10.438	9.945	9.907	9.927	9.872	9.921	10.251	10.184	9.992	10.012	9.879	9.876	9.927	9.548	10.439	9.995	10.253	10.013	9.682	10.153	10.374	9.707	9.605
1437424	at	Svde2	BC068296	Mm.268854	3	10.276	9.888	10.559	10.491	10.157	10.829	10.546	9.740	9.506	9.910	9.320	9.959	9.751	9.882	10.074	10.442	10.546	10.350	10.702	10.589	10.554	10.590	10.509	10.250	
1437425	at	Trpm1	Mm.182418	Mm.101115	1	7.084	7.118	7.211	7.234	7.267	7.267	7.124	7.048	6.788	7.192	7.092	7.128	7.038	7.192	7.092	7.128	7.038	7.192	7.092	7.128	7.038	7.192	7.092	7.128	
1437426	at	Wdrd1	BM240080	Mm.245524	12	7.394	7.249	7.650	7.208	7.411	7.358	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	7.473	7.147	
1437427	at	4933405O20Rik	AV279105	Mm.443270	7	7.262	6.946	7.086	7.307	7.053	7.290	7.278	7.116	6.926	7.079	7.132	6.933	7.045	6.964	6.963	7.250	7.160	7.023	7.093	7.092	7.190	7.400	7.089	7.203	
1437428	x at	Eif2b2	AV581841	Mm.29041	12	8.637	8.525	8.524	8.524	8.625	8.477	8.549	8.360	8.818	8.598	8.767	8.508	8.640	8.841	8.581	8.571	8.418	8.605	8.760	8.882	8.463	8.221	8.617	8.397	
1437429	at	Adamts1l	BB193444	Mm.331690	4	6.675	6.509	6.433	6.470	6.604	6.673	6.433	6.715	6.735	6.752	6.761	6.947	7.064	6.542	6.814	6.541	6.683	6.934	6.794	6.429	6.568	6.624	6.409	6.435	
1437430	at	Scl45a2	BB010894	Mm.138278	15	8.069	7.663	7.978	7.822	7.765	7.647	7.963	7.914	7.632	7.934	7.851	7.652	7.704	7.794	7.856	7.802	7.719	7.600	7.940	7.644	7.863	7.635	7.638	7.837	
1437431	at	Cux1	BB032125	Mm.320317	5	6.681	6.774	7.166	6.738	6.885	7.032	6.933	6.716	6.750	6.694	6.859	6.994	6.821	7.062	6.932	7.009	6.673	6.794	6.902	7.004	6.719	6.803	6.963	7.006	
1437432	a at	Trin12	BM244351	Mm.458309	7	4.414	4.149	4.351	4.235	4.211	4.333	4.588	4.302	4.132	4.306	4.174	4.207	4.392	4.199	4.392	4.385	4.195	4.224	4.258	4.612	4.194	4.204	4.269	4.298	
1437433	at	B3cat2	NA	285580	10	5.790	10.935	4.745	4.739	7.734	7.903	5.878	4.673	4.147	4.473	4.556	5.228	4.198	4.556	4.435	4.739	4.552	4.739	4.552	4.739	4.552	4.739	4.552	4.739	
1437434	a at	Gpr177	BM241735	Mm.6766	3	8.418	9.773	8.713	8.720	7.954	9.372	8.976	8.815	10.202	10.148	8.776	9.852	9.896	9.959	9.621	8.739	8.777	8.798	8.996	8.693	8.635	8.718	8.547	8.785	
1437435	at	1700061G19Rik	AV043151	Mm.160106	17	5.812	5.230	5.201	5.397	5.469	5.218	5.379	5.391	5.749	5.485	5.695	5.333	5.756	5.411	5.395	5.065	5.817	5.130	5.502	5.251	5.544	5.372	5.420	5.591	
1437436	s at	Grk6	BB461269	Mm.10193	13	8.772	9.707	8.796	9.018	9.157	9.155	9.174	9.357	9.255	9.261	9.227	9.423	9.263	9.521	9.106	8.700	9.244	9.171	8.961	8.789	9.119	9.327	8.914	8.785	
1437437	x at	Dnpep	BB396885	Mm.24680	1	11.778	11.990	11.529	11.812	11.821	11.691	11.720	12.110	12.126	11.907	11.827	12.233	12.086	11.807	11.755	11.461	12.179	12.025	11.798	11.746	12.153	12.167	11.667	11.434	
1437438	x at	Phnlp2b	AV060116	Mm.212333	19	3.854	3.652	3.712	3.672	4.015	3.808	3.720	3.928	3.822	3.845	3.826	3.866	3.912	3.930	3.824	3.818	3.901	3.578	3.673	3.819	3.951	3.854	3.769	3.831	
1437439	at	2410089E03Rik	BM235375	Mm.164436	15	7.656	7.668	7.503</																						

1437488	at	Slc9a9	BB148073	Mm.326125	9	5.609	5.402	5.347	5.508	5.331	5.354	5.540	5.521	5.288	5.595	5.220	5.256	5.469	5.344	5.189	5.187	5.500	5.376	5.277	5.340	5.333	5.189	5.327	5.326	
1437489	x at	Sdh	BB497590	Mm.10406	9	9.943	9.508	10.029	9.971	9.616	9.744	9.929	9.847	9.198	9.650	9.452	9.755	9.237	9.356	9.938	9.978	9.843	9.899	9.781	9.872	9.987	10.184	9.810	10.070	
1437490	x at	Uap1	BB505652	Mm.27969	1	8.955	8.707	8.719	8.770	8.371	8.425	8.638	8.284	8.364	8.388	9.921	8.194	7.910	8.516	8.599	8.893	7.969	8.023	8.293	7.900	8.463	8.384	9.205	9.526	
1437491	at	Bic2	BT793514	Mm.197387	13	6.932	7.077	6.987	6.771	7.270	7.260	7.052	7.078	7.165	7.008	7.019	7.208	7.038	7.099	8.666	7.146	6.886	7.059	7.133	7.106	7.123	7.058	7.080	7.371	7.005
1437492	at	Mkx	BB021018	Mm.257186	18	4.333	4.214	4.069	4.027	4.973	4.080	4.096	3.903	4.325	4.026	4.119	4.110	4.138	4.106	3.873	4.071	4.002	3.899	4.338	4.134	4.032	4.030	4.001	4.119	3.835
1437493	at	5230400M03Rik	BO606117	Mm.212277	2	6.924	7.027	6.776	6.901	6.903	6.941	6.792	6.763	6.757	6.891	6.921	1.124	6.872	6.864	6.726	6.701	6.814	6.829	6.740	6.646	6.734	6.770	6.732	6.861	6.877
1437494	at	Magkapk3	BB469472	Mm.222612	9	9.768	9.635	9.875	9.833	9.396	9.566	9.493	9.176	9.119	8.929	9.007	9.278	9.245	9.333	8.683	9.949	9.054	9.249	9.065	9.061	9.079	9.290	9.151	9.115	
1437495	at	Mtpst2	AV272026	Mm.37577	X	7.787	7.960	7.730	7.428	7.162	7.376	7.727	7.500	7.534	7.504	7.809	7.045	6.889	7.720	7.500	7.783	7.302	7.409	7.508	7.084	7.460	7.634	7.744	7.706	
1437496	at	9330129D05Rik	BI901271	Mm.476156	5	9.133	8.578	9.262	9.180	8.983	9.147	9.022	8.820	8.355	8.416	8.809	9.067	8.860	8.442	8.908	9.276	9.659	9.435	9.278	9.328	9.340	9.223	9.747	9.390	
1437497	a at	Hsp90aa1	C77384	Mm.1843	12	11.026	11.484	10.496	10.699	11.058	10.383	10.590	11.577	11.497	11.156	12.358	11.415	11.468	11.290	10.995	10.501	10.932	10.727	10.475	10.244	11.467	11.497	11.079	11.325	
1437498	at	ENSUSG000000	BB327336	NA	19	7.911	7.879	8.081	8.098	8.116	8.131	8.048	8.204	7.166	7.235	7.478	7.874	7.722	7.428	7.794	8.043	8.043	7.865	8.668	8.447	8.481	8.561	8.550	7.883	8.106
1437499	at	Ankrd39	AV316495	Mm.274537	1	6.743	7.056	6.912	6.973	6.890	6.942	6.792	6.580	7.343	7.288	6.722	7.100	6.962	6.913	6.854	6.869	6.729	6.948	6.763	6.591	6.795	6.697	6.740	6.733	
1437500	at	Noc3	AV306749	Mm.86482	19	6.529	6.744	6.492	6.408	6.596	6.474	6.472	6.420	6.522	6.630	6.782	6.592	6.594	6.572	6.318	6.511	6.353	6.403	6.461	6.270	6.644	6.504	6.596	6.416	
1437501	at	AF529169	BB125794	Mm.242899	9	5.335	4.765	5.013	4.966	5.023	5.031	4.885	5.020	5.128	4.819	5.202	4.826	4.973	5.236	4.836	4.954	4.920	4.779	4.805	4.914	5.046	5.050	5.076	5.081	
1437502	x at	Cd24a	BB560574	Mm.29742	10	5.957	7.930	6.750	5.858	7.569	6.353	5.586	5.332	9.017	8.851	6.253	8.210	7.532	7.914	7.081	6.645	4.775	5.294	5.874	5.383	5.106	5.198	5.108	6.221	
1437503	a at	Shisa5	BB533076	Mm.196533	9	11.456	12.170	11.546	11.559	11.831	11.637	11.693	11.767	12.396	12.155	12.082	12.157	12.334	12.428	11.885	11.524	11.223	11.451	11.512	11.283	11.385	11.366	11.410	11.266	
1437504	at	Slas2	AV316605	Mm.387161	2	6.383	6.103	6.270	6.052	6.170	6.097	6.230	6.089	6.367	6.199	6.363	5.995	6.267	6.364	6.259	6.184	6.042	6.032	5.903	6.188	6.311	6.016	6.165	6.266	
1437505	at	Na	BM213187	NA	NA	7.865	7.789	7.923	7.940	7.791	7.788	7.778	7.971	8.164	7.720	7.924	7.844	8.168	7.947	7.898	7.873	7.666	7.741	7.870	7.878	7.878	7.676	7.913	7.868	
1437506	at	Adamts6	AV286717	Mm.208125	13	6.461	6.267	6.173	6.423	6.453	6.576	6.535	6.195	6.907	6.569	6.057	6.601	6.589	6.562	6.595	6.325	6.369	6.567	6.406	6.262	6.169	6.030	6.086	6.129	
1437507	at	Adamt2b	AV232788	Mm.270909	3	9.623	9.476	9.760	9.670	9.644	9.819	9.787	9.578	9.667	9.473	9.469	9.584	9.554	9.670	9.786	9.745	9.864	9.894	9.863	9.792	9.715	9.925	9.823	9.715	
1437508	at	Sp4	AI324972	Mm.259312	12	4.155	4.246	4.582	4.247	4.485	4.240	4.276	4.087	4.231	4.177	4.046	4.188	4.179	3.906	4.152	4.144	4.418	4.332	4.356	4.275	4.271	4.463	4.206	4.135	
1437509	x at	Prkd2	BG095528	Mm.1881	7	6.116	6.210	6.063	6.273	6.329	6.046	5.951	6.636	6.286	6.318	6.348	6.290	6.338	6.073	6.316	6.076	6.382	6.531	6.373	6.091	6.459	6.453	6.461	6.223	
1437510	x at	Rps17	BB724547	Mm.42767	7	13.964	14.297	13.932	13.978	14.022	14.094	14.043	14.349	14.408	14.132	14.081	14.118	14.249	13.967	13.881	14.326	14.223	14.002	14.072	14.222	14.247	13.932	13.932	13.816	
1437511	x at	Clic1	BB100861	Mm.214545	3	8.619	8.633	8.729	8.952	8.677	8.618	8.585	8.657	8.475	8.603	8.157	8.807	8.665	8.430	8.598	8.828	9.037	8.860	8.925	8.781	8.859	9.006	8.741	8.788	
1437512	x at	Ebnalbp2	AV151335	Mm.29906	4	8.950	8.506	8.830	8.778	8.752	8.691	8.872	8.812	8.696	8.554	8.844	8.838	8.672	8.867	8.780	8.717	8.927	8.969	8.807	8.970	9.022	8.868	8.822	8.826	
1437513	a at	Serinc1	BM239422	Mm.29344	10	9.554	9.436	9.947	9.573	9.325	9.999	9.666	9.041	9.352	9.708	9.370	9.337	9.468	9.643	9.706	10.082	9.278	9.417	9.853	9.875	9.267	9.106	9.754	9.876	
1437514	a at	B430306N03Rik	BM123455	Mm.132455	17	7.437	7.448	7.216	7.362	7.420	7.346	7.382	7.433	7.483	7.359	7.352	7.469	7.352	7.433	7.365	7.403	7.271	6.945	7.028	6.945	7.028	6.732	6.732	6.732	
1437515	at	Cas9b	BM250725	Mm.292548	13	4.301	4.098	4.430	4.226	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	4.276	
1437516	at	Na	BM243375	NA	NA	5.815	5.739	5.571	5.645	5.629	5.762	5.743	5.773	5.527	5.674	5.782	5.769	5.405	5.735	5.636	5.405	5.642	5.640	5.498	5.579	5.934	5.584	5.762	5.746	
1437517	x at	Serpinb3a	BB699605	Mm.474589	1	5.677	5.539	5.669	5.610	5.571	5.567	5.533	5.617	5.527	5.515	5.693	5.544	5.626	5.617	5.594	5.628	5.562	5.707	5.722	5.653	5.601	5.548	5.750	5.721	
1437518	at	100040294	BM203642	Mm.213632	8	4.435	4.211	4.463	4.453	4.407	4.455	4.443	4.453	4.261	4.357	4.443	4.345	4.351	4.138	4.439	4.626	4.516	4.532	4.526	4.507	4.422	4.412	4.417	4.780	
1437519	x at	Haah	BI466860	Mm.43784	17	10.827	10.084	10.891	10.905	10.900	10.700	10.871	11.356	11.072	11.165	11.279	11.189	11.057	10.854	10.913	10.871	10.738	11.118	10.908	10.810	11.118	10.992	10.719	10.528	
1437520	a at	Nup85	BB320388	Mm.4379	11	7.301	7.858	7.740	7.557	7.546	7.396	7.348	7.816	7.735	7.547	7.371	7.521	7.303	7.547	7.290	7.453	7.802	7.810	7.575	7.710	7.645	8.002	7.430	7.399	
1437521	s at	Ammecr1	BB312224	Mm.290804	18	10.679	10.861	10.604	10.421	10.841	10.421	10.554	10.923	10.941	10.803	10.588	11.042	10.829	10.514	10.890	10.480	10.516	10.479	10.274	10.103	10.873	11.023	10.803	10.718	
1437522	x at	Guln1	BB492093	Mm.278924	13	4.545	4.647	4.728	4.558	4.752	4.423	5.149	4.358	4.635	5.402	4.713	4.592	4.588	4.395	4.086	5.292	4.836	4.652	4.832	4.632	4.802	4.632	4.409	4.833	
1437523	s at	Saco	BB519683	Mm.72173	12	12.560	11.743	12.644	12.228	11.978	12.038	12.306	12.033	11.595	11.945	11.718	12.040	11.846	11.468	12.213	12.483	12.358	12.281	12.306	12.192	12.379	12.401	12.520	12.534	
1437524	x at	Coro7	BB534801	Mm.325512	16	8.421	9.066	8.479	8.599	8.838	8.604	8.583	9.177	9.302	8.949	9.312	9.097	8.972	9.207	8.736	8.505	8.858	8.796	8.581	8.266	8.614	8.883	8.873	8.256	
1437525	a at	Poir3a	BB559175	Mm.343610	14	8.285	8.691	8.658	8.469	8.637	8.424	8.741	8.797	8.354	8.473	8.032	8.664	8.323	8.476	8.096	8.656	8.745	8.743	8.629	8.306	8.558	8.797	8.388	8.011	
1437526	x at	EG620521	BB044174	NA	1	11.011	11.151	10.990	11.049	10.976	10.866	11.024	11.202	10.937	11.089	10.957	10.894	10.885	11.095	10.974	10.922	11.198	10.949	10.821	10.791	11.178	11.345	11.033	10.859	
1437527	x at	Mcl1	AV318494	Mm.1639	3	12.612	12.441	12.652	12.741	12.817	12.703	12.587	12.557	12.530	12.545	12.516	12.438	12.607	12.453	12.639	12.699	12.586	12.443	12.403	12.578	12.561	12.800	12.813	12.684	
1437528	x at	733001																												

1437577	at	Na	BM211666	NA	NA	7.638	7.219	7.331	7.295	7.514	7.524	7.446	6.979	7.383	7.363	7.301	7.505	7.075	7.196	7.442	7.591	7.212	7.363	7.392	7.473	7.247	7.403	7.512		
1437578	at	Cla2	AV231113	Mm.20897	3	3.559	3.623	3.616	3.492	3.497	3.443	3.372	3.468	3.586	3.626	3.559	3.409	3.446	3.537	3.599	3.474	3.412	3.576	3.522	3.554	3.589	3.571	3.629	3.534	
1437579	at	Nek2	C77054	Mm.33773	1	7.016	6.424	6.894	6.804	6.745	6.830	7.042	6.845	6.688	6.549	6.757	6.816	6.782	6.568	6.704	7.407	6.897	6.929	6.691	7.093	6.912	6.903	7.007	6.856	
1437580	s at	Nek2	C77054	Mm.33773	1	4.875	6.634	6.469	4.958	5.544	5.013	4.852	6.293	6.700	6.280	6.865	5.215	5.317	6.820	5.546	4.902	5.062	4.612	4.792	4.681	4.640	4.966	4.748	4.761	
1437581	at	Zfp800	AW824355	Mm.6441	6	6.587	6.963	6.508	6.450	6.646	6.428	6.283	6.632	6.411	6.400	6.185	6.318	6.482	6.389	6.637	6.496	6.455	6.514	6.491	6.303	6.434	6.814	6.603	6.331	
1437582	at	Acsd1	BB556915	Mm.7044	4	3.411	4.087	4.510	4.260	4.187	4.254	4.388	4.231	4.182	4.038	4.216	4.289	4.196	4.315	4.358	4.322	4.221	4.332	4.150	4.300	4.302	4.332	4.397	4.539	
1437583	x at	Acs1	BB556915	Mm.7044	2	5.554	4.902	5.509	5.441	5.074	5.196	5.273	5.093	4.989	4.948	5.050	5.116	5.039	4.946	5.256	5.445	5.269	5.189	5.169	5.216	5.447	5.435	5.663	5.562	
1437584	at	NA	BE686567	NA	NA	9.441	9.468	9.518	9.531	10.041	9.627	8.868	7.959	8.491	8.593	8.297	9.326	9.590	8.737	8.736	9.545	8.704	8.967	8.835	9.226	8.769	9.254	10.079	9.708	
1437585	x at	Zfp161	BB329659	Mm.29434	17	8.678	8.671	8.923	9.002	8.929	8.937	8.722	9.292	8.772	8.920	8.410	9.096	8.947	8.811	8.894	8.908	9.094	8.931	8.803	8.737	8.933	9.484	8.575	8.741	
1437586	at	Cnot4	BB756908	Mm.214525	6	9.432	9.452	9.431	9.337	9.273	9.429	9.257	9.223	9.059	9.168	9.165	9.255	9.239	9.229	9.079	9.271	9.140	9.163	9.148	9.137	9.261	9.243	9.379	9.270	
1437587	at	NA	BB825307	NA	NA	6.168	6.123	6.070	6.014	5.934	6.021	6.299	6.038	5.877	6.028	6.054	5.777	5.864	5.999	5.815	6.386	6.112	6.140	5.916	6.156	5.949	6.006	6.346	6.266	
1437588	at	Pou4f2	BB547375	Mm.234261	8	4.743	4.742	4.586	4.852	4.675	4.753	4.783	4.645	4.882	4.714	4.895	4.593	4.605	4.823	4.796	5.031	4.658	4.659	4.852	4.927	4.742	4.663	4.988	4.887	
1437589	x at	Lme1	BG916028	Mm.404193	2	7.219	7.115	7.034	7.254	7.264	7.183	7.133	7.255	7.325	7.197	7.344	7.242	7.330	6.996	7.025	7.296	7.464	7.220	7.116	7.248	7.198	7.309	7.223	7.058	
1437590	at	BB433409A17Rik	BB781167	Mm.329858	9	5.980	5.738	6.173	6.150	6.372	6.325	6.092	6.127	6.180	6.173	6.283	6.622	6.348	6.211	6.319	6.151	6.308	6.119	6.104	5.661	6.106	5.731	5.711	5.994	
1437591	a at	Wdr1	AW542545	Mm.2654	5	8.980	9.706	9.012	8.998	9.106	9.082	9.192	8.561	9.299	9.566	9.430	8.971	9.127	9.768	9.183	9.139	8.066	8.578	8.902	8.846	8.190	8.137	8.581	9.116	
1437592	x at	Ccdc101	AA290200	Mm.45686	7	7.959	7.737	7.739	7.796	7.821	7.670	7.811	7.963	7.939	7.697	7.710	7.792	7.752	7.821	7.573	7.801	8.189	7.823	7.762	7.808	8.105	8.148	7.771	7.647	
1437593	x at	Api5	BB449428	Mm.181824	2	11.321	11.222	11.471	11.219	11.199	11.315	11.327	11.289	11.310	11.429	11.363	11.358	11.309	11.669	11.440	11.447	11.222	11.184	11.327	11.240	11.240	11.344	11.410	11.368	
1437594	x at	Piat	BB376188	Mm.28228	2	6.616	6.807	6.610	6.525	6.297	6.532	6.531	6.868	7.125	6.999	6.635	6.711	6.825	6.896	6.765	6.437	6.482	6.497	6.518	6.363	6.728	6.751	6.764	6.297	
1437595	at	E030010A14Rik	BB531414	Mm.391170	19	6.764	6.518	6.568	6.308	6.670	6.295	6.327	6.451	6.631	6.402	6.650	6.244	6.516	6.530	6.277	6.543	6.473	6.421	6.388	6.440	6.294	6.307	6.418	6.602	
1437596	at	Lypd4	AV205346	Mm.215044	7	6.658	6.194	6.422	6.381	6.343	6.438	6.440	6.311	6.153	6.189	6.529	6.489	6.202	6.303	6.258	6.591	6.372	6.319	6.360	6.641	6.428	6.191	6.374	6.330	
1437597	at	NA	BB182944	NA	NA	3.504	3.722	3.709	3.780	3.579	3.693	3.537	3.561	3.501	3.713	3.684	3.755	3.678	3.580	3.596	3.738	3.674	3.746	3.638	3.775	3.597	3.797	3.725	3.788	
1437598	at	Zbtb20	BB308952	Mm.136238	16	11.605	10.932	11.493	11.479	11.319	11.375	11.400	10.878	10.787	11.256	11.117	11.331	11.087	11.008	11.473	11.554	11.054	11.201	11.275	11.294	11.319	11.291	11.688	11.752	
1437599	at	NA	BM246546	NA	NA	7.266	7.229	7.328	7.162	7.387	7.240	7.381	7.166	7.241	7.045	6.853	6.896	7.068	6.955	6.943	7.548	7.725	7.309	7.377	7.603	7.625	7.558	7.053	7.298	
1437600	at	NA	BB282370	NA	NA	5.642	5.571	5.602	5.480	5.726	5.783	5.680	5.681	5.675	5.660	5.731	5.725	5.609	5.864	5.894	5.651	5.657	5.792	5.676	5.641	5.655	5.985	5.673	5.714	
1437601	at	Otx1	BB438279	Mm.129663	11	4.832	4.530	4.882	4.685	4.638	4.836	4.594	4.589	4.612	4.731	4.111	4.832	4.791	4.744	4.774	4.480	4.633	4.869	4.833	5.062	4.702	4.637	4.789	4.748	
1437602	at	OTTMUSG000000	BB667175	Mm.443244	11	5.895	5.699	6.007	5.937	5.689	5.852	5.972	5.845	5.774	5.499	5.760	5.806	5.760	5.663	5.624	5.870	5.774	5.840	5.528	5.865	5.785	5.984	5.794	5.838	
1437603	at	OTTMUSG000000	BB667175	Mm.443244	2	5.920	5.627	5.435	5.620	5.640	5.680	5.620	5.640	5.680	5.620	5.640	5.680	5.620	5.640	5.680	5.620	5.640	5.680	5.620	5.640	5.680	5.620	5.640	5.680	5.620
1437604	at	Acpcd1	AA041258	Mm.391102	18	8.020	8.103	8.021	8.067	7.959	8.110	8.030	7.799	8.327	7.967	8.016	8.107	8.062	8.005	7.979	8.132	7.918	8.062	7.956	8.122	7.994	8.036	8.169	8.074	
1437605	at	Nphs2	AI790225	Mm.289099	1	3.864	3.998	4.138	4.162	4.043	4.113	3.931	4.016	4.120	3.942	4.186	3.951	4.037	4.028	3.916	3.957	3.891	4.055	3.975	4.029	4.001	3.867	3.956	4.016	
1437606	at	NA	BB829614	NA	NA	5.640	5.822	5.625	5.571	5.604	5.502	5.581	5.614	5.789	5.704	5.713	5.712	5.682	6.176	5.598	5.480	5.459	5.330	5.407	5.450	5.453	5.591	5.383	5.499	
1437607	at	Gcnt2	BB357165	Mm.314757	13	6.206	5.108	6.058	5.784	5.694	5.999	6.073	5.616	5.502	5.709	5.930	5.478	5.797	5.813	5.951	6.161	5.805	6.109	6.150	6.289	6.314	5.659	6.152	6.263	
1437608	x at	Ywhaq	BB414446	Mm.289630	12	9.418	9.906	9.477	9.429	9.566	9.949	9.537	9.501	9.836	9.942	9.759	9.951	9.770	9.870	9.609	9.937	9.897	9.969	9.055	9.039	9.288	9.471	9.573	9.454	
1437609	at	Ube2u	AV278535	Mm.318133	4	4.562	4.087	4.410	4.335	4.416	4.325	4.453	4.507	4.322	4.158	4.342	4.265	4.463	4.275	4.382	4.428	4.432	4.571	4.417	4.565	4.326	4.549	4.384	4.547	
1437610	x at	OTTMUSG000000	AA419672	NA	2	12.921	13.572	12.656	12.960	13.027	13.051	12.884	13.157	13.585	13.078	12.995	13.104	13.209	13.283	12.790	12.667	13.021	13.044	12.928	12.775	12.916	12.987	12.605	12.504	
1437611	at	Ptdc1	BB320513	Mm.247651	4	5.768	6.194	5.722	6.176	6.556	6.728	6.466	7.356	6.519	7.493	7.319	6.820	6.656	7.933	6.655	5.890	5.768	5.927	5.970	5.665	5.956	5.581	5.501	5.551	
1437612	at	NA	AV295214	NA	NA	7.799	7.155	8.040	7.628	7.468	7.804	7.693	7.450	7.137	7.051	7.651	7.240	7.253	7.476	7.652	7.841	7.717	7.845	7.925	8.093	7.759	7.604	7.656	8.136	
1437613	s at	Ptdcd1	BB275142	Mm.315089	7	7.105	7.128	6.884	6.980	7.492	7.018	7.038	7.128	7.536	7.504	6.643	7.704	7.543	7.134	7.242	7.174	7.506	7.409	7.118	6.824	6.691	7.221	6.666	6.704	
1437614	x at	Zdhhc14	AV223474	Mm.311028	17	8.723	8.682	8.809	8.772	8.184	8.633	8.424	8.573	8.507	8.441	8.797	8.338	8.358	8.617	8.400	8.782	8.346	8.558	8.455	8.368	8.293	8.567	8.216	8.478	
1437615	s at	Vps37c	BB270615	Mm.19091	19	10.346	10.585	10.175	10.132	10.477	10.024	10.102	10.796	10.730	10.533	10.601	10.572	10.494	10.316	10.318	10.068	10.448	10.368	10.200	10.029	10.442	10.509	10.164	10.014	
1437616	x at	Zdhhc14	BB534003	Mm.311028	7	9.139	8.649	8.939	9.100	8.830	8.920	8.896	8.871	8.759	8.759	8.848	8.729	8.997	8.736	8.867	9.047	8.983	8.942	9.025	8.971	9.053	8.793	9.066	9.132	
1437617	x at	1110034G24Rik	BB387677	Mm.284114	2	10.662	9.066	10.246	10.141	8.992	10.028	9.984	8.959	8.868	8.868	8.956	8.890	8.705	9.286	9.136	9.51									

1437666	x	at	Ubc	AW551908	Mm.331	5	13.528	13.167	13.465	13.457	13.429	13.241	13.405	13.193	13.445	13.384	14.026	13.041	13.100	13.052	12.947	13.498	13.501	13.325	12.475	13.097	13.329	13.191	13.481	13.250	
1437667	a	at	Bach2	AW553304	Mm.468334	4	6.944	6.361	6.961	7.093	6.956	6.793	7.103	7.539	7.119	6.820	7.338	7.449	7.560	7.053	7.010	6.921	6.968	6.484	6.439	6.888	6.726	6.773	6.819	7.151	
1437668	at		Ccr1	BB543291	Mm.269254	9	5.590	5.653	5.479	4.979	5.555	4.837	5.439	6.172	5.749	5.692	5.595	5.805	5.447	5.553	5.372	5.504	5.390	5.420	4.968	4.767	5.426	6.251	5.116	5.140	
1437669	x	at	Ccr1	BB543291	Mm.269254	9	6.558	7.497	6.489	6.122	6.510	5.978	6.224	7.012	6.480	6.626	6.473	6.989	6.567	6.447	6.473	6.547	6.395	6.541	5.600	5.637	6.410	7.131	5.818	6.455	
1437670	x	at	Ccl1	BB113673	Mm.30245	7	11.990	12.011	11.849	11.974	12.476	11.990	12.001	12.299	12.833	12.434	12.145	12.689	12.584	12.445	12.178	11.871	12.131	12.440	12.025	11.782	12.094	12.214	11.972	11.874	
1437671	x	at	Prs23	BB378796	Mm.250438	7	9.043	10.874	9.224	8.906	10.193	9.228	8.990	9.622	11.115	11.508	11.528	10.763	11.203	10.780	10.385	9.267	8.183	8.555	8.957	7.841	8.099	8.206	8.564	8.057	
1437672	at		Irs3	AV286336	Mm.24486	5	4.848	4.608	4.898	4.941	4.935	4.882	4.830	4.908	5.094	4.737	4.613	4.897	4.967	4.673	4.902	4.707	4.828	4.911	5.070	5.027	4.834	4.946	4.743	4.805	
1437673	at		NA	AV146956	NA	NA	5.688	5.536	5.355	5.613	5.418	5.514	5.206	5.414	5.721	5.292	5.433	5.720	5.557	5.463	5.589	5.426	5.849	5.933	5.552	5.589	5.315	5.572	5.390	5.023	
1437674	at		Rac1	BB087946	Mm.292510	5	6.071	5.658	5.648	5.822	5.555	5.929	5.466	5.420	5.398	5.489	5.587	5.045	5.595	5.589	5.626	5.715	5.626	5.325	5.705	5.769	5.705	5.232	5.749	5.656	
1437675	at		Slc8a1	BB522674	Mm.265834	17	10.753	10.832	10.536	10.021	10.386	10.007	10.466	9.944	10.120	10.521	9.876	10.464	10.354	9.985	9.783	10.367	9.525	9.955	9.964	9.747	9.426	9.628	9.679	9.777	
1437676	at		Spa9	AV279478	Mm.260737	11	6.962	6.369	6.265	6.123	6.180	6.429	6.162	6.128	6.181	6.354	6.146	6.179	6.048	5.912	6.181	6.228	6.183	6.078	5.685	5.974	6.274	6.635	6.366	6.177	
1437677	at		AI449595	BG063913	Mm.442813	6	7.204	7.114	7.314	7.165	7.078	7.382	7.092	7.009	7.171	7.233	7.259	7.088	7.120	7.318	7.117	7.346	7.163	7.115	7.181	7.151	7.275	7.088	7.297	7.127	
1437678	at		Gm15643	BG070911	Mm.447643	11	3.710	3.730	3.717	3.573	3.722	3.609	3.724	3.708	3.605	3.713	3.761	3.706	3.708	3.711	3.717	3.679	3.639	3.775	3.759	3.909	3.938	3.627	3.679	3.933	
1437679	a	at	Glxr2	BB172698	Mm.272727	1	11.990	11.870	11.898	11.946	11.736	11.815	12.059	11.677	11.745	11.814	11.747	11.894	11.791	11.635	11.832	11.906	12.014	12.115	11.982	11.940	12.068	11.852	12.098	11.907	
1437680	x	at	Glxr2	BB172698	Mm.272727	1	11.356	11.118	11.284	11.328	11.208	11.196	11.404	11.061	11.185	11.237	11.183	11.126	11.196	11.031	11.081	11.347	11.393	11.427	11.314	11.371	11.420	11.197	11.436	11.348	
1437681	at		Grik4	BB261770	Mm.370291	9	6.801	6.657	6.483	6.492	6.247	6.345	6.344	6.648	6.203	6.242	6.245	6.518	6.268	6.315	6.268	6.559	6.614	6.269	6.365	6.540	6.727	6.543	6.503	6.643	
1437682	x	at	1110004E09Rik	AV165159	Mm.45374	16	6.954	7.130	7.136	7.228	6.886	7.067	7.055	7.036	6.874	6.845	6.728	6.965	6.945	6.948	6.989	6.934	7.210	7.048	7.147	6.907	7.040	7.204	7.044	7.073	
1437683	x	at	Serf2	AV047585	Mm.262252	2	10.393	10.944	10.343	10.514	10.929	10.456	10.447	10.686	11.120	10.852	10.649	11.121	11.088	10.606	10.623	10.369	10.589	10.700	10.512	10.229	10.501	10.602	10.172	10.267	
1437684	at		Ftsid1	BB357271	Mm.275341	8	6.918	6.867	6.800	7.186	6.716	6.840	6.818	7.220	7.116	6.894	6.925	6.675	7.025	6.882	6.655	7.058	7.053	6.862	6.759	6.847	7.057	7.026	7.073	6.946	
1437715	x	at	D1Pas1	BG070568	Mm.108054	1	4.084	3.967	3.967	3.798	3.965	3.749	3.953	3.959	3.953	3.876	4.068	3.837	4.032	4.041	3.989	3.988	4.140	4.074	4.153	3.997	4.027	3.851	3.973	3.864	
1437694	na		NA	AW536892	NA	NA	6.641	6.881	6.818	6.431	6.719	6.601	6.351	6.276	6.823	6.744	6.072	6.677	6.350	6.580	6.652	6.573	6.587	6.614	6.568	6.262	6.491	7.094	6.612	7.008	
1437695	at		Prokr2	BB232991	Mm.283777	2	5.434	5.260	5.492	5.462	5.358	5.551	5.458	5.414	5.289	5.529	5.439	5.343	5.298	5.388	5.545	5.487	5.359	5.326	5.267	5.388	5.402	5.537	5.532	5.490	
1437696	at		BCD49807	BG071037	Mm.441097	17	6.498	7.172	6.144	6.291	6.579	6.200	6.006	6.864	6.704	6.911	7.317	6.508	6.500	6.490	6.452	6.149	5.924	5.906	5.734	5.510	6.137	6.603	6.470	6.585	
1437697	at		Rad23a	BB296666	Mm.255539	8	7.411	7.193	7.408	7.540	7.200	7.335	7.407	7.401	7.332	7.297	7.297	7.182	7.174	7.181	7.371	7.533	7.372	7.374	7.298	7.422	7.538	7.707	7.545	7.453	
1437698	at		Myo5b	AV370579	Mm.260098	18	7.576	7.370	7.301	7.429	7.783	7.666	7.495	7.534	7.415	7.233	7.622	7.449	7.464	7.575	7.439	7.374	7.561	7.581	7.758	8.038	7.699	7.393	7.469	7.429	7.543
1437699	at		Satb1	BB031353	Mm.311655	17	4.758	4.619	4.761	4.870	4.682	4.876	4.836	4.887	4.700	4.725	4.894	4.703	4.783	4.879	4.837	4.775	4.896	4.718	4.900	4.883	4.957	4.988	4.750	4.750	
1437700	at		Schnl1	BB235937	Mm.272804	3	8.969	8.310	8.792	8.609	8.722	8.239	8.256	8.939	8.486	8.902	7.935	8.756	8.923	8.827	8.958	8.826	8.807	8.488	8.827	8.856	8.832	8.988	8.988	9.073	
1437701	at		Smc8r	BH449825	Mm.57726	11	7.305	6.813	7.058	6.924	6.956	6.831	7.117	6.922	6.729	6.747	6.909	7.020	6.920	6.847	6.976	6.972	7.021	6.992	7.001	7.025	6.847	7.001	6.967	7.016	
1437702	at		Tsm6	BB151226	Mm.83437	2	4.474	4.545	4.558	4.674	4.607	4.524	4.394	4.659	4.296	4.505	4.359	4.495	4.472	4.421	4.467	4.502	4.499	4.540	4.426	4.415	4.640	4.520	4.595	4.775	
1437703	at		EG832156	BM229128	Mm.373875	9	8.581	8.319	8.639	8.607	8.480	8.603	8.681	8.588	8.553	8.501	8.767	8.624	8.581	8.632	8.680	8.591	8.499	8.606	8.605	8.763	8.615	8.474	8.597	8.687	
1437704	at		2900024O10Rik	AW494626	Mm.31095	13	8.088	7.884	8.264	8.294	8.252	7.937	8.015	7.976	7.919	7.926	7.760	8.333	8.258	7.845	7.884	7.970	8.464	8.401	8.214	8.121	8.343	8.547	8.048	7.909	
1437705	at		Rps51	AW743849	Mm.361832	7	5.451	5.785	5.795	5.906	5.734	5.969	5.656	5.927	5.711	5.744	5.654	5.970	5.791	5.354	5.686	5.785	6.292	6.012	6.015	6.015	5.659	5.825	5.419	5.668	
1437706	x	at	Zfp14	AW548239	Mm.43778	18	13.328	13.540	13.091	13.177	13.298	13.248	13.263	13.625	13.735	13.327	13.367	13.543	13.545	13.547	13.267	13.447	12.968	13.583	13.447	13.266	13.198	13.526	13.168	13.002	
1437707	at		Rpl27a	BB235937	Mm.272804	18	9.044	9.801	8.722	9.048	9.327	8.955	9.069	9.730	10.029	9.482	9.346	9.524	9.462	9.589	9.073	8.878	9.691	9.644	9.042	9.861	9.960	8.946	8.946	8.523	
1437708	at		Vamp3	BB552111	Mm.38360	4	11.634	12.139	12.147	12.127	11.337	11.917	12.105	12.050	11.490	11.378	11.385	12.233	11.962	12.381	11.851	12.094	10.517	11.522	11.686	11.632	11.501	11.603	11.428	11.297	
1437709	x	at	Ttic13	BB492914	Mm.38436	8	9.735	10.220	9.654	9.997	10.074	9.656	9.765	9.754	10.359	10.281	9.897	10.490	10.079	10.082	9.962	9.635	10.016	9.927	9.855	9.666	9.900	10.178	9.858	9.885	
1437710	x	at	1700021P22Rik	AI415163	Mm.258841	7	7.610	7.375	7.670	7.490	7.482	7.533	7.691	7.495	7.126	7.251	7.432	7.347	7.415	7.216	7.442	7.446	7.578	7.633	7.589	7.607	7.597	7.436	7.451	7.415	
1437711	x	at	Odc1	BB519474	Mm.34102	12	11.323	12.229	11.484	11.142	11.332	11.308	11.485	11.725	11.911	11.911	12.112	11.819	11.436	12.245	11.622	11.325	11.041	11.404	11.179	11.038	11.298	11.362	11.402	11.104	
1437712	x	at	Exosc4	AV212315	Mm.322752	15	9.272	9.472	9.186	9.318	9.230	9.232	9.325	9.426	9.189	9.138	9.214	9.248	9.083	9.227	9.080	9.053	9.639	9.650	9.392	9.426	9.506	9.534	9.340	9.303	
1437713	x	at	1500010J02Rik	BB502060	Mm.285785	11	6.757	6.749	6.610	6.856	6.746	6.814	6.800	6.696																	

1437755	at	Slc5a12	BB503566	Mm.277148	2	4.626	4.428	4.556	4.593	4.560	4.769	4.697	4.760	4.773	4.675	4.811	4.594	4.695	4.884	4.829	4.580	4.686	4.795	4.729	4.713	4.753	4.675	4.623	4.822	
1437756	at	Gimap9	BF682515	Mm.116971	6	5.673	6.328	6.021	5.818	5.774	6.088	6.109	6.281	5.799	5.976	6.730	6.107	6.200	6.328	6.172	5.997	5.810	5.792	6.047	5.920	5.767	5.819	5.966	6.165	
1437757	at	LOC100045760	BB402190	NA	9	6.453	6.156	6.149	6.403	6.087	6.396	6.494	5.966	6.183	6.123	5.937	6.388	6.123	6.218	6.226	6.467	6.150	6.151	6.277	6.359	5.991	5.874	6.460	6.498	
1437758	a at	Slc4a1ap	BE133664	Mm.352407	5	8.764	9.079	8.910	8.842	8.857	8.649	8.795	8.883	8.850	8.919	8.752	8.814	8.729	8.832	8.667	8.948	8.905	8.840	8.823	8.569	8.812	8.973	8.832	8.836	
1437759	at	Rpkp	AV343511	Mm.273874	13	7.359	8.178	7.533	7.556	8.391	7.348	7.559	8.342	9.083	8.798	8.625	8.469	8.233	8.373	8.010	7.730	7.358	7.385	7.359	7.421	7.379	7.354	7.354	7.451	
1437760	at	Galt112	AV371637	Mm.132246	4	4.861	6.066	5.837	5.083	5.036	4.819	5.027	5.227	6.018	5.128	4.958	4.968	5.071	4.419	4.895	4.830	4.534	4.935	4.822	4.792	4.829	4.867	4.732	4.729	
1437761	at	Na	BI693511	NA	NA	10.6331	10.110	10.413	10.307	10.224	10.308	10.294	10.426	10.085	10.059	9.976	10.146	10.064	9.830	10.005	10.047	10.837	10.516	10.257	10.309	10.580	10.785	10.199	10.271	
1437762	at	Rab39	BB130995	Mm.290285	9	4.241	4.153	4.170	4.356	4.050	4.142	4.255	4.269	4.259	4.108	4.134	4.176	4.341	4.072	4.245	4.296	4.318	4.161	4.096	4.433	4.277	3.960	4.092	4.086	
1437763	at	Dcun1d3	BB008667	Mm.31539	7	8.975	8.919	8.886	8.800	8.879	8.787	8.977	8.661	8.919	8.877	9.025	8.786	8.796	8.879	8.949	8.970	8.819	8.778	8.810	8.683	8.779	8.863	8.955	9.233	
1437764	at	A730011L10Rik	BB751680	Mm.271946	11	7.023	6.948	6.946	6.959	6.994	6.786	6.858	6.976	6.992	6.786	6.944	6.950	7.092	6.793	6.820	7.088	7.058	7.043	6.984	6.997	6.893	7.197	6.866	6.914	
1437765	at	Cpeb3	BB249892	Mm.391176	19	9.951	8.798	9.940	10.048	9.998	9.255	10.006	9.717	9.236	7.598	8.370	8.426	7.478	8.667	6.891	8.990	9.999	9.908	9.908	9.948	9.762	10.058	10.703	10.102	10.172
1437766	na	AA177898	NA	NA	8	5.958	6.123	6.000	5.897	6.109	6.023	5.924	6.023	6.672	6.410	6.077	6.247	6.245	6.224	6.114	5.849	5.907	5.815	6.074	6.063	5.950	5.769	5.768	5.973	
1437767	s at	Rab2	AA138720	Mm.235580	NA	7.277	7.449	7.265	7.309	7.397	7.334	7.414	7.372	7.223	7.656	7.048	7.639	7.286	7.291	7.273	7.057	7.334	7.647	7.524	7.204	7.277	7.856	7.331	7.463	
1437768	at	Ankib1	BE994938	Mm.130148	5	6.313	6.331	6.282	6.360	6.376	6.431	6.384	6.304	6.621	6.101	6.506	6.401	6.543	6.495	6.409	6.445	6.345	6.140	6.341	6.260	6.209	6.369	6.315	6.343	
1437769	na	NA	BB543054	NA	NA	5.615	5.633	5.422	5.712	5.489	5.515	5.534	5.681	5.386	5.246	5.437	5.381	5.150	5.439	5.477	5.620	5.525	5.918	5.712	5.508	5.382	5.448	5.523	5.300	
1437770	at	AW557046	AW557046	Mm.404507	15	5.736	5.278	5.616	5.702	5.590	5.683	5.665	5.513	5.383	5.681	5.602	5.766	5.549	5.804	5.809	5.834	5.766	5.683	5.779	5.885	5.794	5.547	5.662	5.708	
1437771	at	Lrrn4cl	BB783125	Mm.265792	19	7.659	7.387	7.628	8.045	7.891	7.984	7.687	7.640	7.514	7.451	7.355	8.060	7.815	7.636	7.762	7.614	7.618	7.596	7.781	8.026	7.720	7.521	7.579	7.555	
1437772	s at	Fuca1	BB225704	Mm.439940	4	6.960	7.017	7.141	6.965	7.269	7.059	6.901	6.871	7.312	7.378	7.123	7.088	7.166	7.006	7.145	6.798	7.012	7.162	7.209	7.097	6.992	6.809	6.994	7.013	
1437773	x at	Kdofr3	BB476615	Mm.298199	15	12.120	12.232	12.454	12.360	12.221	12.147	12.123	11.919	12.433	12.415	11.899	12.305	12.183	12.293	12.185	12.318	11.990	11.790	11.709	11.600	12.048	12.086	12.156	12.161	
1437774	at	170002014Rik	BB778614	Mm.379181	2	9.827	9.572	10.230	10.167	9.814	10.220	10.113	9.677	9.358	9.762	9.672	9.742	9.517	9.828	9.931	10.252	9.879	9.767	9.944	10.299	9.943	9.885	10.404	10.616	
1437775	at	Dist	BB343361	Mm.296221	12	8.991	8.796	8.770	8.734	8.868	9.073	8.897	8.599	8.159	8.567	8.822	8.526	8.052	8.212	8.663	8.798	8.747	8.895	8.721	8.781	8.592	8.787	9.177	8.459	
1437776	at	Tmcoc1	BB131759	Mm.394713	6	8.059	8.180	7.936	8.059	8.202	7.971	8.059	8.187	8.335	8.238	8.220	8.452	8.233	8.034	8.178	8.142	8.141	8.115	7.759	7.952	8.341	8.268	7.848	7.842	
1437777	at	Atf2	BM242942	Mm.209903	2	5.580	5.289	5.445	5.546	5.347	5.453	5.387	5.329	5.501	5.376	5.234	5.516	5.522	5.445	5.425	5.530	5.452	5.432	5.369	5.519	5.369	5.547	5.437	5.513	
1437778	at	Rbm15b	BE985326	Mm.431589	9	7.995	7.725	7.919	7.993	7.991	7.924	8.132	8.105	8.043	7.848	8.026	7.916	8.062	7.990	8.110	8.159	8.040	7.938	7.904	7.984	8.084	8.007	8.219	8.003	
1437779	at	Foxh1	BM210256	Mm.42011	15	4.366	4.256	4.255	4.259	4.419	4.128	4.259	4.436	4.239	4.272	4.401	4.210	4.182	4.058	4.399	4.426	4.376	4.268	4.250	4.461	4.249	4.274	4.153	4.251	
1437780	at	Fancb	AV222467	Mm.336317	X	6.019	6.382	6.051	5.708	5.866	6.087	6.027	6.400	6.025	5.923	5.947	5.652	5.962	6.335	6.136	5.861	6.157	6.093	6.128	5.968	5.851	6.086	5.703	6.024	
1437781	at	Ins1b2	BE138088	Mm.272888	12	5.169	4.934	5.052	5.054	5.086	5.045	5.085	5.127	4.919	5.298	5.145	4.982	5.196	5.198	5.045	5.136	5.041	4.982	5.136	5.041	4.982	5.136	5.041	4.982	
1437782	at	Ctnna2	BE651445	Mm.440084	5	8.053	7.987	7.931	7.917	7.980	7.740	7.997	8.069	7.967	7.929	7.937	7.995	8.158	7.935	7.837	7.933	7.864	7.942	7.930	7.813	7.866	7.906	7.949	7.923	
1437783	x at	Cnpy2	BM570679	Mm.44220	10	10.280	10.804	10.366	10.337	10.591	10.302	10.173	10.517	11.159	10.837	10.002	10.883	10.942	10.658	10.563	10.297	10.498	10.515	10.210	9.992	10.421	10.719	10.029	9.892	
1437784	at	Runx11	BB450878	Mm.390473	4	5.934	6.305	6.380	6.354	6.369	6.468	6.281	6.379	6.496	6.741	5.801	6.955	6.906	6.264	6.727	6.223	6.674	6.624	6.713	6.604	6.971	7.123	6.687	6.578	
1437785	at	Adams9	AV364944	Mm.158235	6	9.842	9.773	9.727	9.098	9.524	9.664	9.744	9.870	9.220	9.598	10.848	9.435	9.597	9.969	9.702	9.749	9.215	9.252	9.565	9.573	9.302	9.528	9.843	9.875	
1437786	at	Ard1b	BG069933	Mm.11746	5	4.853	4.536	4.811	4.676	4.635	4.799	4.708	4.728	4.571	4.535	4.922	4.627	4.674	4.725	4.749	4.641	4.578	4.493	4.772	4.883	4.794	4.697	4.681	4.678	
1437787	at	Lrrm2	A1851755	Mm.39900	18	3.735	3.642	3.775	3.778	3.736	3.804	3.693	3.785	3.756	3.738	3.938	3.616	3.784	3.784	3.720	3.955	4.005	3.880	3.868	3.920	3.878	3.784	3.940	3.709	
1437788	at	Sp6	BB473680	Mm.156282	11	7.689	7.295	7.519	7.505	7.734	7.564	7.563	7.442	7.381	7.471	7.609	7.384	7.425	7.571	7.619	7.566	7.621	7.557	7.681	7.740	7.351	7.374	7.540	7.709	
1437789	at	Birc5	BB312666	Mm.290908	12	5.425	5.052	5.046	5.723	4.937	5.239	5.254	5.036	5.256	5.042	4.952	5.042	4.952	5.070	5.090	5.042	5.223	5.070	5.042	5.223	5.070	5.042	5.223	5.070	
1437790	at	Emi5	AV230748	Mm.390484	12	5.489	5.503	5.463	5.370	5.595	5.074	5.503	5.659	5.356	5.260	5.246	5.252	5.318	5.355	5.444	5.267	5.521	5.409	5.549	5.408	5.518	5.582	5.450	5.238	
1437791	s at	Emi5	AV230748	Mm.390484	12	5.489	5.503	5.463	5.370	5.595	5.074	5.503	5.659	5.356	5.260	5.246	5.252	5.318	5.355	5.444	5.267	5.521	5.409	5.549	5.408	5.518	5.582	5.450	5.238	
1437792	at	1700013D24Rik	BF018738	Mm.425335	6	6.194	5.944	6.439	6.366	6.246	6.193	6.366	6.440	6.304	6.108	6.499	5.949	6.537	6.304	6.267	6.116	6.266	6.265	6.352	6.442	6.338	6.257	6.485	6.439	
1437793	at	NA	BB711615	NA	NA	7.418	7.418	7.473	7.323	7.763	7.562	7.622	7.269	7.436	7.340	7.510	7.360	7.554	7.413	7.693	7.540	7.424	7.367	7.350	7.499	7.730	7.499	7.660	7.424	
1437794	at	Cabin1	BG071186	Mm.257404	10	7.296	7.765	7.137	7.482	7.707	7.383	7.383	7.439	7.532	7.499	7.231	7.543	7.288	7.509	7.272	7.721	7.231	7.707	7.681	7.470	7.459	7.496	7.741	7.710	
1437795	na	NA	BM237841	NA	NA	8.274	7.868	8.050	8.074	8.020	8.043	7.963	7.951	8.002	7.801	8.011	8.024	7.												

1437844	x	at	Coa1	BB236453	Mm.261620	11	10.442	10.262	10.353	10.380	10.492	10.279	10.261	10.555	10.504	10.330	10.370	10.395	10.551	10.400	10.453	10.320	10.456	10.424	10.411	10.415	10.511	10.461	10.501	10.430	
1437845	x	at	Pofu12	BB027731	Mm.203556	10	10.099	10.531	10.211	10.023	10.402	9.935	9.966	10.469	10.863	10.536	10.240	10.657	10.512	10.234	10.304	10.045	10.184	10.281	9.829	9.727	10.229	10.405	9.926	9.836	
1437846	x	at	Bace2	BB348062	Mm.97885	16	7.776	7.593	7.858	7.860	8.057	7.983	7.840	7.844	7.939	7.589	8.045	8.235	8.157	8.091	8.057	7.783	7.790	7.731	7.779	7.915	7.955	7.548	7.638	7.796	
1437847	x	at	RbmX	AV130230	Mm.28275	X	6.373	6.329	6.339	6.189	6.237	6.541	6.589	6.521	6.105	6.159	6.352	6.157	5.948	6.575	6.363	6.351	6.357	6.357	6.761	6.670	6.301	6.332	6.423	6.351	
1437848	x	at	Armcx2	BB490673	Mm.22462	9	6.388	6.380	6.481	6.581	6.091	6.407	6.393	6.394	6.540	6.626	6.383	6.382	6.399	6.669	6.872	6.545	6.545	6.419	6.521	6.362	6.288	6.493	6.493	6.577	
1437849	x	at	Armcx2	BB443695	Mm.285996	X	9.753	9.981	9.730	9.907	10.100	9.861	9.845	9.982	10.369	10.144	10.002	10.117	10.232	10.308	10.020	9.688	9.528	9.556	9.770	9.779	9.655	9.676	9.776	9.615	
1437850	a	at	Cnbo	AV299745	Mm.290251	6	10.777	10.520	10.780	10.649	10.384	10.461	10.721	10.681	10.139	10.509	10.449	10.598	10.152	10.611	10.570	10.488	10.580	10.549	10.320	10.144	10.750	10.785	10.647	10.834	
1437851	x	at	Rnps1	BB214894	Mm.1951	17	10.752	11.124	10.868	10.749	10.804	10.710	10.716	10.816	10.991	10.955	10.856	10.896	10.743	11.162	10.759	10.675	10.797	10.611	11.003	10.547	10.727	10.807	10.886	10.783	
1437852	x	at	Cpsf3	BB141717	Mm.356778	12	10.811	10.919	11.007	10.901	10.883	10.991	10.763	10.945	10.723	10.693	10.630	10.806	10.727	10.819	10.911	10.939	11.159	11.126	11.070	11.071	11.073	11.181	11.029	11.019	
1437853	x	at	Ndn	BB074430	Mm.400253	7	9.294	9.437	9.256	9.245	9.444	9.694	9.414	9.366	9.314	9.571	9.124	9.548	9.194	9.380	9.464	9.213	9.373	9.288	9.535	9.300	9.279	9.353	9.213	9.252	
1437854	at	NA	NA	BM239897	NA	NA	7.887	7.614	7.608	7.647	7.781	7.573	7.723	7.520	7.562	7.529	7.580	7.509	7.572	7.639	7.547	7.720	7.424	7.641	7.702	7.577	7.727	7.749	7.604		
1437855	at	NA	NA	BB280360	Mm.217318	9	4.864	4.519	4.579	4.652	4.532	4.409	4.610	4.476	4.832	4.798	5.432	4.692	4.710	4.547	4.834	4.575	4.533	4.405	4.599	4.400	4.545	4.833	4.626	4.747	
1437856	at	NA	NA	BM225636	Mm.245867	10	8.366	8.533	8.745	8.612	8.502	8.639	8.608	8.664	8.265	8.374	8.684	8.535	8.466	8.366	8.682	8.593	8.872	8.875	8.656	8.668	8.742	8.949	8.678	8.815	
1437857	at	Mtp4193	AV367203	Mm.257808	7	6.523	5.436	5.541	5.621	5.512	5.347	5.459	5.444	5.752	5.233	5.544	5.312	5.593	5.520	5.382	5.474	5.776	5.709	5.558	5.493	5.523	5.398	5.400	5.537		
1437858	at	Dpy1913	AV367203	Mm.257808	7	6.421	6.175	6.061	6.151	6.165	6.127	6.021	6.181	6.250	6.140	6.420	5.906	6.227	6.272	5.935	6.023	6.008	6.149	6.075	6.496	6.219	6.023	6.189	5.927		
1437859	x	at	Elf5a	BF384094	Mm.18026	11	11.650	12.030	11.847	11.733	11.651	11.817	11.779	11.124	11.899	12.023	11.872	11.479	11.417	12.258	11.697	11.922	11.012	11.433	11.746	11.714	11.270	11.014	11.658	11.632	
1437860	at	Prkce	BB335101	Mm.24614	17	3.677	3.672	3.731	3.668	3.634	3.619	3.652	3.745	3.641	3.694	3.659	3.716	3.752	3.741	3.809	3.749	3.690	3.792	3.838	3.757	3.627	3.609	3.776	3.728		
1437861	s	at	Prkce	BB335101	Mm.24614	17	8.417	7.902	8.246	8.381	8.079	8.104	8.032	8.087	7.501	7.760	8.033	7.356	7.864	7.419	7.883	8.265	8.323	8.397	7.901	7.927	8.586	7.776	8.126	8.125	
1437862	at	Rbm25	AI159552	Mm.46005	12	10.006	10.052	9.997	9.942	9.793	10.280	10.120	9.796	9.941	10.018	9.799	9.672	9.828	9.850	9.840	9.976	9.712	9.809	9.776	9.853	9.828	9.934	10.133	9.786		
1437863	at	Bche	BB667762	Mm.250719	3	6.584	6.673	6.675	6.800	6.511	6.858	6.966	6.734	6.316	6.741	6.574	6.259	6.221	6.583	6.514	6.754	6.429	6.709	6.697	6.675	6.570	6.840	6.906	7.291		
1437864	at	Adipor2	BE632137	Mm.291826	6	9.788	9.922	9.928	9.813	9.798	10.036	9.629	9.743	9.935	9.885	9.901	7.781	7.971	9.961	9.878	10.007	9.999	10.146	10.420	10.188	9.703	9.799	10.034	10.197		
1437865	at	Spata13	AW546443	Mm.149776	14	7.557	8.176	7.670	7.947	8.016	7.927	7.978	7.662	7.871	8.182	8.039	7.932	7.888	8.356	7.880	7.872	7.501	7.501	7.840	7.925	7.732	7.523	7.602	7.811		
1437866	at	Dusp18	AV276425	Mm.32588	11	9.757	9.119	9.943	9.740	9.294	9.418	9.417	9.039	8.877	9.074	9.053	8.871	9.020	8.979	8.877	9.944	9.002	9.178	9.237	9.420	9.213	9.204	9.583	9.437		
1437867	at	NA	C77655	NA	NA	6.128	5.999	6.222	5.956	5.917	6.282	6.351	5.932	5.874	5.709	5.980	5.875	5.966	5.933	6.102	6.349	6.018	6.068	5.874	6.122	5.764	5.813	6.040	6.090		
1437868	at	BC023892	BB687858	Mm.74610	9	10.740	9.968	9.992	9.906	9.766	9.550	9.811	10.053	10.703	10.762	10.350	10.086	9.989	9.669	10.373	9.920	9.141	9.011	8.998	8.899	10.129	10.290	10.449	10.740		
1437869	at	3222402P14Rik	BF140684	Mm.335386	9	11.996	11.547	11.731	11.937	11.857	12.121	12.030	12.056	11.018	11.450	11.883	11.648	11.384	11.219	12.163	11.766	12.460	12.298	12.209	12.571	12.508	12.541	12.396	12.358		
1437870	at	Slc20a1c	BB039362	Mm.21062	1	3.938	3.962	3.964	3.964	3.962	3.964	3.962	3.977	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929	3.929		
1437871	at	Pen5	BG967597	Mm.105222	1	11.093	10.789	11.031	11.247	11.248	11.251	11.196	11.140	11.065	11.301	11.088	11.119	11.018	11.119	11.018	11.018	11.018	11.018	11.018	11.018	11.018	11.018	11.018	11.018	11.018	
1437872	at	Naepd1	BB325565	Mm.153292	5	7.449	7.752	7.485	7.327	7.850	7.383	7.640	7.934	7.800	7.904	8.055	7.745	7.821	7.488	7.735	7.598	7.800	8.049	7.852	7.688	7.472	7.333	7.477	7.764		
1437873	at	6030490101Rik	BB044772	Mm.470815	17	7.297	7.543	7.755	7.897	7.607	7.956	8.047	7.486	7.645	7.762	6.588	7.631	7.516	7.798	7.406	7.829	8.474	8.417	8.153	8.039	7.593	7.959	7.753	7.653	7.140	
1437874	s	at	Hexb	AV225808	Mm.27816	13	9.166	11.144	9.606	9.834	10.749	10.054	9.871	9.790	11.303	10.875	9.653	10.738	10.770	10.812	10.328	9.416	9.295	9.581	9.827	9.246	9.442	9.667	9.062	9.080	
1437875	at	Bicd2	AV328403	Mm.197387	13	11.781	12.020	11.848	12.010	12.062	11.946	11.922	11.796	12.128	12.149	11.798	11.653	12.127	12.144	12.111	12.092	11.906	11.860	11.832	11.936	12.015	11.838	11.852	12.040	12.018	
1437876	at	Il20rb	BE852308	Mm.242896	9	6.795	6.627	7.029	6.678	6.687	6.564	6.908	6.968	6.592	6.614	6.836	6.832	6.864	6.978	6.849	6.700	6.975	6.750	6.805	6.817	6.893	6.788	6.570	6.690		
1437877	at	Ttcl14	BB711506	Mm.275710	3	4.455	4.385	4.667	4.571	4.440	4.563	4.486	4.150	4.234	4.634	4.231	4.331	4.472	4.394	4.537	4.633	4.460	4.401	4.522	4.684	4.397	4.513	4.534	4.718		
1437878	at	Prb1	BB711506	Mm.275710	3	6.584	6.733	7.058	6.874	6.954	7.058	6.914	6.396	6.562	6.850	6.506	6.812	6.836	6.958	6.812	6.836	6.958	6.812	6.836	6.958	6.812	6.836	6.958	6.812	6.836	
1437879	at	Alq10b	BG071176	Mm.17853	15	7.898	8.745	8.097	8.133	8.132	8.363	8.147	8.252	8.669	8.499	8.336	8.231	8.220	8.612	8.086	8.214	8.120	8.016	8.133	8.203	8.007	7.971	8.070	8.233		
1437880	at	Lbxcr1	AV273001	Mm.36349	9	4.339	4.410	4.346	4.206	4.233	4.300	4.370	4.377	4.361	4.314	4.478	4.218	4.314	4.131	4.216	4.357	4.616	4.487	4.388	4.223	4.542	4.450	4.445	4.430		
1437881	at	6330416L07Rik	AV376276	Mm.442162	17	4.755	4.270	4.436	4.698	4.364	4.609	4.543	4.363	4.606	4.451	4.472	4.361	4.432	4.380	4.640	4.723	4.680	4.785	4.832	4.698	4.489	4.572	4.420	4.613		
1437882	s	at	6330416L07Rik	AV376276	Mm.442162	17	5.496	4.928	5.446	5.417	5.143	5.326	5.392	5.482	4.906	5.139	5.172	5.172	5.084	5.167	5.289	5.340	5.232	5.210	5.364	5.335	5.316	5.513	5.489	5.371	
1437883	s	at	Pan3	AV305314	Mm.320469	5	5.925	5.997	6.172																						

1437933	at	Hhlp	BB040396	Mm.254493	8	6.232	6.097	6.455	6.358	6.154	6.422	6.257	6.171	6.217	6.084	6.155	6.278	6.096	6.255	6.253	6.459	6.201	6.226	6.186	6.438	6.234	6.028	6.236	6.396
1437934	at	Tia1	BB098115	Mm.423551	6	8.289	8.171	8.401	8.465	8.270	8.433	8.334	8.263	8.412	8.375	8.211	8.344	8.439	8.394	8.361	8.530	8.314	8.374	8.496	8.431	8.413	8.295	8.403	8.393
1437935	at	4930486G11Rik	BB821151	Mm.335321	9	3.931	3.777	3.989	3.924	3.725	3.986	3.882	3.847	3.749	3.814	3.998	3.756	3.885	3.822	3.840	3.925	3.845	4.162	4.080	4.070	3.893	3.852	4.023	3.925
1437936	at	6330534C20Rik	AI428240	Mm.234119	X	5.198	4.950	5.046	5.237	5.206	5.108	5.153	5.188	5.156	4.908	5.312	5.138	5.167	5.259	4.900	4.884	5.274	5.102	5.080	5.146	5.299	5.184	5.030	5.056
1437937	at	Ccnp2	AV224066	Mm.258105	9	7.714	7.498	7.686	7.794	7.532	7.519	7.630	7.753	7.602	7.708	7.695	7.582	7.509	7.512	7.762	7.750	7.561	7.701	7.707	7.750	7.591	7.608	7.626	7.370
1437938	s	Dnm2	BO066635	Mm.433257	9	7.046	7.674	6.905	7.107	7.107	6.946	7.003	6.817	7.235	7.302	7.198	7.122	7.061	7.262	7.037	7.024	6.892	6.885	7.040	7.081	6.881	6.688	6.955	6.906
1437939	s	Ctsc	BM237633	Mm.322945	7	5.869	7.045	5.653	5.928	5.782	6.237	6.419	6.597	7.941	7.717	6.794	6.437	6.376	7.558	6.627	5.776	5.971	5.465	5.946	5.795	6.040	6.163	5.081	5.587
1437940	at	Phka1	BE985672	Mm.22879	19	7.829	7.379	7.616	7.777	7.626	7.563	7.704	7.642	7.605	7.469	7.631	7.535	7.631	7.523	7.703	7.570	7.678	7.485	7.557	7.613	7.720	7.791	7.767	7.646
1437941	at	Phka2	BB307726	Mm.350712	X	6.213	6.129	6.085	6.121	6.143	6.214	6.047	6.260	6.453	6.316	6.175	6.424	6.252	6.102	5.981	6.098	6.450	6.479	6.787	6.482	5.918	6.193	5.878	5.849
1437942	x	Tube1	AV100095	Mm.297956	10	8.370	7.935	8.577	8.580	8.144	8.165	8.652	8.294	8.092	8.007	8.182	8.023	8.008	8.246	8.047	8.462	8.088	8.185	8.288	8.341	8.223	8.111	8.475	8.337
1437943	x	Mea1	BA764430	Mm.329083	17	6.986	7.421	6.828	6.858	6.833	6.668	6.758	7.355	7.439	7.236	7.289	7.475	7.241	7.192	6.719	6.774	7.179	7.272	6.747	6.698	6.968	7.061	6.530	6.496
1437944	at	Shc2	BI714008	Mm.39424	10	6.273	6.509	6.182	6.209	6.159	6.054	6.252	6.332	6.211	6.234	6.263	6.251	6.430	6.207	6.253	6.142	6.423	6.253	6.257	6.370	6.490	6.249	6.565	6.231
1437952	at	AU040096	Mm.387466	14	4.811	4.470	4.519	4.357	4.472	4.503	4.535	4.631	4.626	4.420	4.486	4.391	4.502	4.505	4.593	4.564	4.757	4.566	4.557	4.483	4.462	4.614	4.540	4.664	4.564
1437946	x	Rapgef3	BB506495	Mm.24028	15	9.130	9.010	9.363	9.265	9.125	9.154	9.338	9.305	9.032	8.981	9.303	9.435	9.203	8.985	9.295	9.362	9.217	9.539	9.349	9.305	9.353	9.341	9.583	9.465
1437947	x	Vdac1	AV036172	Mm.3555	11	12.384	11.944	12.475	12.581	12.228	12.341	12.396	11.921	11.577	11.785	11.770	12.018	11.804	11.758	12.202	12.452	12.144	12.243	12.257	12.202	12.152	12.172	12.502	12.496
1437948	x	Elf3eip	BB443362	Mm.206404	15	6.614	6.603	6.730	6.456	6.432	6.637	6.531	6.573	6.653	6.727	6.644	6.639	6.511	6.565	6.541	6.417	6.701	6.666	6.528	6.408	6.610	6.730	6.398	6.496
1437949	x	Rnf114	AV216903	Mm.22225	2	8.491	8.012	8.548	8.476	8.440	8.478	8.649	8.361	8.357	8.163	8.486	8.303	8.477	8.399	8.446	8.632	8.526	8.446	8.548	8.806	8.772	8.733	8.699	8.635
1437950	at	BC035537	BB18275	Mm.51259	8	4.283	4.397	4.453	4.444	4.474	4.477	4.398	4.518	5.177	4.611	4.468	5.245	4.470	4.463	4.624	4.360	4.422	4.393	4.412	4.451	4.361	4.258	4.247	4.342
1437951	at	Dis3l2	BB212190	Mm.389152	1	7.433	7.266	7.256	7.443	7.271	7.466	7.355	7.335	7.518	7.416	7.298	7.105	7.471	7.253	7.317	7.325	7.291	7.360	7.321	7.580	7.344	7.290	7.520	7.421
1437952	at	AU040096	Mm.387466	14	4.811	4.470	4.519	4.357	4.472	4.503	4.535	4.631	4.626	4.420	4.486	4.391	4.502	4.505	4.593	4.564	4.757	4.566	4.557	4.483	4.462	4.614	4.540	4.664	4.564
1437953	at	Prei4	BM246706	Mm.211211	2	7.433	6.589	7.519	6.708	6.783	7.262	7.184	6.295	5.541	6.278	5.950	6.496	6.098	5.998	6.757	7.408	6.919	6.765	6.415	6.634	7.059	7.092	7.419	7.572
1437954	at	NA	AU040155	NA	NA	5.863	5.740	5.874	5.875	5.513	5.670	5.898	5.948	5.937	5.977	5.993	5.901	5.923	5.943	5.891	5.862	5.963	5.993	5.811	5.808	5.869	5.952	5.918	5.796
1437955	at	Ubnlml	AV279818	Mm.189668	7	7.472	7.435	7.331	7.481	7.452	7.342	7.291	7.494	7.504	7.241	7.494	7.398	7.505	7.465	7.401	7.243	7.511	7.431	7.443	7.526	7.471	7.456	7.375	7.265
1437956	at	Pik3r6	AV281292	Mm.234573	11	6.912	7.303	6.898	7.142	7.207	6.971	6.970	7.522	7.214	7.085	7.519	7.338	7.161	7.237	7.180	7.047	7.218	7.373	6.889	7.168	7.448	7.612	7.273	7.274
1437957	at	7030407O06Rik	BB536719	NA	12	7.309	7.695	7.146	7.372	7.378	7.497	7.416	7.365	7.488	7.366	7.224	7.359	7.150	7.132	7.206	7.131	7.516	7.462	7.216	7.127	7.096	7.477	7.433	7.086
1437958	at	Xpr1	BO066856	Mm.266215	1	7.374	8.030	7.613	7.513	8.084	7.743	7.358	7.862	8.365	8.321	7.939	8.441	8.487	7.918	8.052	7.575	7.741	7.744	7.410	7.435	7.555	7.576	7.699	7.457
1437959	at	Zfp324	AV327815	Mm.133065	7	5.261	5.486	5.297	5.260	5.267	5.187	5.479	5.278	5.542	5.522	5.528	5.523	5.528	5.523	5.523	5.523	5.523	5.523	5.523	5.523	5.523	5.523	5.523	5.523
1437960	x	Atf7	AV377682	Mm.227711	10	6.972	7.029	6.951	6.912	6.912	6.912	7.003	6.972	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980
1437961	x	Unc119b	BB031907	Mm.475921	5	4.857	4.466	4.777	4.655	4.549	4.807	4.850	4.525	4.525	4.626	4.772	4.676	4.818	4.648	4.932	4.962	4.961	4.739	4.824	4.974	4.693	4.778	4.783	4.938
1437962	at	Gmc43	AV278295	Mm.291521	5	7.891	7.499	7.777	7.703	7.626	7.646	7.729	7.626	7.392	7.386	7.616	7.374	7.591	7.323	7.613	7.632	7.630	7.624	7.687	7.788	7.800	7.721	7.615	7.958
1437963	at	C530045E16Rik	BB425122	NA	1	4.698	4.839	4.619	4.741	4.774	4.755	4.841	4.826	4.762	4.713	4.430	4.784	4.865	4.757	4.839	4.759	4.682	4.796	4.650	4.659	4.790	4.640	4.787	4.698
1437964	at	Nxph2	BB169128	Mm.131616	2	5.259	5.109	5.303	5.250	5.320	5.201	5.288	5.062	5.215	5.158	5.099	5.181	5.192	5.209	5.149	5.235	5.054	5.137	5.325	5.301	5.269	5.141	5.382	5.266
1437965	at	Hmrr1	BM239677	Mm.342328	13	6.065	5.807	5.889	5.947	5.779	6.053	5.679	5.572	5.905	5.591	6.233	5.612	5.694	5.911	5.824	5.964	5.928	5.845	5.890	5.805	6.075	5.402	6.039	6.094
1437966	at	Ptfr3	AV329802	Mm.133060	6	4.835	4.515	4.646	4.677	4.604	4.636	4.643	4.704	4.557	4.632	4.571	4.668	4.610	4.614	4.683	4.591	4.745	4.587	4.639	4.701	4.575	4.742	4.613	4.687
1437967	at	Pde8b	BB357157	Mm.105882	NA	9.953	8.970	9.159	9.131	9.123	8.938	5.153	5.137	7.026	8.124	8.096	8.752	9.095	8.752	9.095	8.752	9.095	8.752	9.095	8.752	9.095	8.752	9.095	8.752
1437968	at	Gri1	AI385666	Mm.278672	2	8.919	8.744	8.878	8.897	8.939	8.919	8.842	8.874	8.979	8.863	9.108	8.713	8.874	8.881	8.833	8.953	8.792	8.851	8.935	8.994	8.822	8.740	8.956	8.790
1437969	s	at610007P22Rik	BM233328	Mm.180687	17	7.173	7.537	6.931	7.144	7.304	7.150	7.229	7.323	7.400	7.413	7.257	7.588	7.309	7.379	7.203	6.691	7.457	7.491	7.386	7.248	7.207	7.463	7.151	7.070
1437970	at	Heatr2	AV325477	Mm.5547	5	5.408	4.976	5.323	5.239	5.157	5.150	5.466	5.276	5.227	5.187	5.366	5.331	5.087	5.283	5.451	5.429	5.461	5.484	5.503	5.595	5.531	5.345	5.369	5.539
1437971	at	Sknv21	BB753919	Mm.291029	13	4.881	4.477	4.629	4.605	4.474	4.671	4.743	4.557	4.454	4.571	4.599	4.614	4.596	4.610	4.474	4.494	4.931	4.801	4.473	4.930	4.802	4.433	4.488	4.881
1437972	s	Sf3b5	AU043053	Mm.29743	10	10.361	10.990	10.084	10.142	10.542	10.279	10.293	11.217	11.047	10.140	10.306	10.722	10.759	10.466	9.958	10.052	11.507	11.196	10.374	10.285	10.989	11.361	10.038	9.811
1437973	at	Linqo2	BB703905	Mm.132507	4	6.785	6.503	6.860	6.684	6.675	6.712	6.764	6.806	6.513	6.462	6.845	6.628	6.685	6.562	6.680	6.788	6.950	6.715	6.699					

1438022	at	Rab11fip3	BQ266518	Mm.41191	17	7.885	7.756	7.848	7.886	7.841	7.615	7.685	7.819	7.699	7.898	7.993	8.029	7.769	7.531	7.757	7.807	7.926	8.030	7.842	7.473	7.798	7.950	7.698	7.802	
1438023	at	Spata6	BF020599	Mm.275526	4	6.205	5.978	5.984	5.815	5.895	6.023	5.890	5.907	6.056	5.994	6.174	5.921	6.002	5.876	5.969	5.848	6.057	5.940	5.838	5.842	5.785	5.919	6.036	5.713	
1438024	at	NA	AW554392	NA	NA	11.235	10.792	11.328	11.227	10.883	11.106	11.492	11.118	10.434	11.713	10.467	11.171	10.783	10.827	10.904	11.317	11.051	11.216	11.266	11.140	10.859	10.920	10.956	10.947	
1438025	at	Nfr1	BE686616	Mm.55082	10	7.382	7.292	7.554	7.731	7.695	7.581	7.562	7.483	6.812	7.161	6.809	7.335	7.073	6.819	7.114	7.492	8.040	7.812	7.513	7.358	7.856	8.037	7.505	7.679	
1438026	at	Zfp560	AV213537	Mm.379699	9	8.071	9.178	8.900	8.806	9.072	8.885	8.865	9.200	9.291	9.132	8.836	9.510	9.281	8.736	8.754	8.760	9.252	9.001	8.908	8.965	9.097	8.963	8.808	8.601	
1438027	at	Rpr2	BB680604	NA	NA	8.278	8.408	8.554	8.342	8.374	8.878	8.927	8.574	8.055	8.570	8.426	8.521	8.399	5.558	8.485	8.484	8.581	8.583	8.500	8.534	8.445	8.807	8.522	8.139	
1438028	at	Zfp25	BB817800	Mm.196275	3	8.444	8.308	8.375	8.482	8.382	8.348	8.218	8.178	8.299	8.321	8.158	8.307	8.276	8.181	8.320	8.428	8.314	8.309	8.194	8.145	8.137	8.289	8.457	8.403	
1438029	at	Rpr2	BB817800	Mm.196275	3	8.322	8.084	8.649	8.513	8.098	8.701	8.264	7.899	8.724	8.427	7.936	8.184	8.063	8.272	8.440	8.823	8.141	8.159	8.284	8.318	8.111	8.256	8.556	8.893	
1438030	at	Rasqro3	BB042252	Mm.329203	17	9.607	9.467	9.531	9.670	9.677	9.724	9.774	10.191	9.245	9.474	9.740	9.783	9.667	9.738	9.715	9.564	9.888	9.869	9.782	9.816	9.856	10.060	9.298	9.972	
1438031	at	Rasqro3	BB042252	Mm.329203	17	9.601	9.447	9.484	9.527	9.399	9.442	9.496	9.711	9.233	9.364	9.349	9.553	9.634	9.541	9.406	9.428	9.542	9.541	9.434	9.551	9.309	9.371	9.274	9.389	
1438032	at	Lrch1	BB755336	Mm.288868	14	8.582	8.218	8.225	8.101	8.142	8.075	7.902	8.330	8.214	8.302	8.338	8.091	8.211	8.152	8.546	8.177	7.902	7.861	7.954	7.874	8.218	8.291	8.833	8.442	
1438033	at	Tef	BB530748	Mm.270278	15	8.583	8.209	8.711	8.997	8.922	9.432	8.944	8.893	8.079	8.072	7.823	8.976	8.915	8.225	8.876	8.593	9.501	9.400	9.235	9.469	9.371	9.628	9.519	9.027	
1438034	at	AW1005016Rik	BB115225	Mm.404686	4	9.454	8.653	9.502	9.439	9.013	9.490	9.270	8.800	8.081	8.575	7.989	9.012	8.420	8.353	9.156	9.408	9.292	9.488	9.509	9.508	9.527	9.176			
1438035	at	AW61	BB748934	Mm.293063	17	6.049	6.188	6.061	6.101	6.206	6.001	5.957	6.505	6.233	6.325	5.953	6.556	6.128	6.008	6.130	6.227	6.156	6.134	6.124	5.788	6.230	6.478	6.189	6.261	
1438036	x at	AW061290	BB748934	Mm.293063	17	6.057	6.250	6.265	6.206	6.178	5.972	6.111	6.439	6.251	6.608	5.907	6.438	5.988	5.855	6.147	6.297	6.223	6.071	5.955	6.029	6.395	6.421	6.239	6.367	
1438037	at	Herc5	AW208668	Mm.297393	6	5.774	6.364	6.134	5.768	5.936	6.033	6.656	6.283	6.027	6.194	6.092	6.214	6.523	6.429	6.125	6.138	5.749	5.830	5.838	5.851	5.892	5.637	5.944	6.076	
1438038	at	Hec30402H2Rik	C78926	Mm.271990	2	9.706	9.679	9.742	9.618	9.527	9.665	9.640	9.817	9.697	9.791	9.556	9.719	9.581	9.557	9.703	9.794	9.790	9.644	9.658	9.707	9.655	9.846	9.607	9.889	
1438039	at	Actd01	BE630599	Mm.249391	12	11.132	11.213	11.337	11.224	11.224	11.201	11.285	11.105	10.951	11.091	11.211	11.086	11.238	11.085	11.219	11.253	11.333	11.190	11.200	11.477	11.367	11.069	11.125	11.319	11.219
1438040	a at	Hsp90b1	BE995678	Mm.87773	10	10.617	11.011	10.284	10.674	10.172	10.683	10.352	10.478	10.829	10.656	10.470	10.315	10.448	10.778	10.205	10.361	10.980	10.933	10.557	11.035	10.785	10.946	10.447	10.653	
1438041	at	Pod7a	BQ963325	Mm.355614	3	10.212	9.061	10.204	9.816	9.822	9.918	9.828	9.263	8.990	9.219	8.048	9.464	9.309	8.922	9.449	10.242	9.502	8.898	8.752	9.045	9.844	10.420	10.213	10.194	
1438042	at	Shox2	AV332957	Mm.39093	3	5.033	5.144	5.357	5.158	5.292	5.725	5.227	5.369	5.478	5.242	5.172	5.786	5.473	5.213	5.711	5.338	5.132	5.633	5.202	5.345	5.595	5.375	5.276	5.437	
1438043	at	NA	BE987325	NA	NA	6.809	6.384	6.693	6.966	6.583	6.773	6.604	6.782	6.448	6.539	6.747	6.443	6.682	6.696	6.707	6.710	6.601	6.642	6.996	7.059	6.811	6.562	6.930	6.751	
1438044	at	17000471M1Rik	BB534060	Mm.459757	1	6.295	5.899	6.320	6.269	5.576	6.226	6.205	5.923	5.852	5.876	6.004	6.047	6.131	6.053	5.988	6.217	6.215	6.243	6.107	6.267	6.052	6.146	6.118	6.079	
1438045	at	Eea1	AW556344	Mm.210035	10	9.340	9.502	9.347	9.171	9.421	9.379	9.349	9.352	9.253	9.349	9.524	9.454	9.233	9.420	9.428	9.430	9.029	9.114	9.226	9.167	9.167	9.338	9.370	9.227	
1438046	at	AU019823	BM235783	Mm.335149	9	7.164	7.183	7.578	7.296	7.719	7.468	7.403	7.071	6.970	7.597	7.261	7.222	7.231	7.351	7.578	7.394	7.219	7.268	7.290	7.364	6.849	7.317	7.486	7.577	
1438047	at	Zfp384	BB739357	Mm.108677	6	9.573	9.814	9.529	9.556	9.662	9.640	9.570	9.593	9.839	9.710	9.699	9.678	9.680	9.784	9.590	9.571	9.749	9.751	9.592	9.566	9.601	9.704	9.624	9.565	
1438048	at	Myt11	BM393424	Mm.332242	10	9.344	9.352	9.348	9.348	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	9.344	
1438049	at	301080E01Rik	AW541326	Mm.355085	8	8.985	8.459	8.410	9.710	9.869	9.917	8.251	8.252	8.153	9.931	7.790	9.227	8.235	8.683	9.900	9.252	9.565	9.499	9.417	9.436	9.242	9.838	10.012	9.726	
1438050	x at	EG656825	BQ966742	Mm.278091	12	8.136	8.355	8.266	8.606	8.299	8.433	8.283	8.302	8.002	8.260	7.767	8.417	7.898	7.756	8.023	8.297	8.636	8.581	8.037	8.260	8.149	8.631	8.164	8.128	
1438051	at	Ttcl4	AW325874	Mm.275710	3	7.360	7.587	7.525	7.621	7.535	7.721	7.393	7.347	7.136	7.526	6.636	7.335	7.363	7.344	7.349	7.756	7.386	7.364	7.208	7.456	7.067	7.388	7.279	7.213	
1438052	at	A130071D04Rik	BM239436	Mm.413293	1	5.569	6.613	5.668	5.906	5.806	5.883	6.376	5.562	6.399	6.389	5.773	5.829	5.985	6.352	5.697	5.772	5.371	5.396	5.482	5.473	5.350	5.575	5.375	5.388	
1438053	at	NA	BB428499	Mm.425970	16	7.390	7.198	7.313	7.419	7.289	7.160	7.287	7.418	7.258	7.267	7.365	7.428	7.377	7.315	7.338	7.321	7.348	7.275	7.315	7.375	7.435	7.300	7.324	7.501	
1438054	x at	Ppp2r2c	BB125998	Mm.41694	5	4.351	3.960	4.267	4.176	4.236	4.338	4.289	4.250	4.239	4.160	4.111	4.140	4.100	4.198	4.105	4.274	4.148	4.283	4.290	4.329	4.168	4.184	4.235	4.232	
1438055	at	Ryres1	BB035017	Mm.38002	3	5.670	5.722	5.925	6.003	5.934	5.843	6.063	5.925	5.907	5.899	5.881	5.741	6.082	5.952	5.934	5.890	6.196	6.130	5.979	6.012	6.171	6.155	6.049	5.986	
1438056	at	Dox5	BM353605	Mm.20845	16	7.649	7.293	7.918	7.918	7.753	7.822	7.887	7.556	8.910	7.485	8.908	7.481	7.559	8.622	8.942	8.809	8.622	8.942	8.809	8.622	8.942	8.809	8.622	8.942	
1438057	at	NA	BB340995	NA	NA	4.866	4.703	4.890	4.905	4.974	4.966	5.145	4.978	4.934	5.023	5.110	4.989	5.058	4.969	5.077	5.125	4.835	4.927	4.897	5.064	4.884	4.994	4.946	5.083	
1438058	s at	Ptclv1	BG073526	Mm.42855	7	12.131	12.029	11.967	12.149	12.032	11.963	11.731	11.845	11.937	11.843	11.817	11.901	11.911	11.555	11.798	12.019	12.153	12.040	12.207	11.413	12.512	12.372	11.973	11.847	
1438059	at	1700011I03Rik	BM116248	Mm.57415	18	5.046	4.949	5.022	5.149	5.078	5.118	5.121	5.049	4.797	4.887	5.126	5.024	4.858	4.979	4.998	5.048	5.197	5.040	5.043	5.203	5.167	5.306	5.272	4.882	
1438060	at	Npas3	AV226749	Mm.247044	12	6.794	6.656	6.891	6.782	6.841	6.927	6.795	6.583	6.943	6.949	6.838	6.900	6.834	6.912	7.113	6.874	6.746	6.889	6.816	7.103	6.762	6.820	6.841	6.823	
1438061	at	4930523C07Rik	AV272196	Mm.171518	1	7.808	7.878	7.868	7.492	7.784	7.887	7.608	8.144	8.032	7.896	8.703	8.016	7.871	7.849	7.782	7.768	7.749	7.733	7.761	7.627	7.724	7.681	7.643	7.755	
1438062	at	Rsf1	BM933984	Mm.439834	7	8.101	7.722	7.990	8.186	8.014	8.026	7.878	8																	

1438111	at	Pvrr1	BF467558	Mm.335096	9	5.981	5.934	5.830	5.976	5.792	5.660	5.787	5.612	5.863	5.714	5.869	5.610	5.890	5.911	5.674	5.743	5.907	5.680	5.767	5.779	5.839	5.613	5.872	5.707	
1438112	at	9430021M05Rik	AA546727	Mm.376571	2	5.304	5.203	5.228	5.346	5.223	5.315	5.427	5.306	5.353	5.104	5.515	5.126	5.464	5.218	5.365	5.145	5.239	5.597	5.430	5.351	5.359	5.235	5.280	5.332	
1438113	at	Zmat4	BB252637	Mm.121274	8	4.592	4.744	4.608	4.460	4.424	4.638	4.454	4.457	4.488	4.439	4.494	4.372	4.609	4.498	4.521	4.477	4.476	4.343	4.627	4.490	4.508	4.479	4.453	4.438	
1438114	x	at	BB186890	Mm.236438	14	7.014	7.219	7.099	7.169	7.210	7.087	7.075	7.500	7.817	7.560	7.173	7.728	7.777	7.399	7.900	6.863	6.956	7.071	7.070	6.890	7.116	7.180	7.021	6.842	
1438115	a	at	BB805362	Mm.27842	11	8.788	9.045	8.775	8.798	8.666	8.737	8.784	8.751	9.210	8.780	8.807	8.570	8.781	9.278	8.760	8.898	8.805	8.835	8.823	8.964	8.732	8.484	8.826	8.759	
1438116	x	at	Slc9a3r1	Mm.27842	11	8.419	9.140	8.555	8.625	8.607	8.63	8.439	8.449	9.197	8.852	8.476	8.355	8.414	9.165	8.685	8.831	8.312	8.477	8.569	8.567	8.301	8.123	8.446	8.332	
1438117	x	at	Tmem41b	BB508081	Mm.43212	7	10.810	10.388	11.159	10.528	10.258	10.655	10.580	10.026	10.120	10.413	10.773	10.184	10.208	10.355	10.455	10.988	10.550	10.720	10.867	10.852	10.438	10.346	10.566	10.876
1438118	x	at	Vim	AV147875	Mm.268000	2	11.709	12.921	11.492	11.809	12.514	12.023	11.686	12.947	13.147	13.053	12.508	12.908	12.808	12.854	12.679	11.345	11.524	11.459	11.437	10.534	11.833	11.920	11.212	10.913
1438119	at	Itqb1	BB443308	Mm.263396	8	4.613	4.267	4.504	4.420	4.254	4.335	4.463	4.232	4.298	4.127	4.428	4.397	4.254	4.348	4.533	4.449	4.496	4.667	4.477	4.669	4.534	4.460	4.369	4.423	
1438120	x	at	Irak1	AV091334	Mm.38241	X	8.956	9.051	8.802	8.947	8.993	8.905	8.960	9.302	8.952	8.928	8.846	9.102	8.935	8.962	8.900	8.879	9.443	9.229	8.983	8.923	9.206	9.590	9.907	8.886
1438121	at	C2c24a	BB387980	Mm.33878	11	6.547	6.939	6.826	6.904	6.887	6.754	6.838	6.843	6.734	6.886	6.843	6.781	6.605	6.705	6.853	6.661	6.887	6.639	6.808	6.554	6.756	6.691	7.064	6.752	
1438122	at	Z900006K08Rik	BB278574	Mm.440428	12	5.622	5.546	5.067	5.878	5.724	5.845	5.816	5.903	5.743	5.869	5.685	5.727	5.818	5.840	5.771	5.983	5.855	5.870	5.901	5.922	5.580	5.625	5.751	5.619	
1438123	at	ENSUSJ5000000	BB762627	Mm.37848	8	3.813	3.628	4.063	4.034	3.691	3.806	3.758	3.772	3.788	3.811	3.761	4.081	4.281	4.063	3.785	4.256	3.728	3.873	3.650	3.867	3.410	3.847	3.723	3.828	
1438124	at	Vmm2n96	BM240983	Mm.215962	17	5.599	5.132	5.610	5.665	5.528	5.618	5.687	5.603	5.539	5.502	5.702	5.266	5.430	5.322	5.586	5.649	5.721	5.622	5.566	5.614	5.624	5.702	5.626	5.487	
1438125	at	C230085N15Rik	BB393897	Mm.445805	17	5.054	5.030	5.232	4.956	5.027	5.086	5.067	5.077	4.900	5.017	5.028	5.049	4.916	5.008	5.072	5.094	5.090	4.697	5.238	5.162	5.468	5.072	5.114	5.294	
1438126	at	Exoc5	BB408277	Mm.31607	14	4.620	4.754	4.956	4.408	4.587	4.948	4.642	4.335	4.861	4.778	4.913	4.485	4.553	4.657	4.698	4.802	4.528	4.766	5.031	4.861	4.481	4.636	4.474	4.610	
1438127	at	OTCMUS2906	BB073384	Mm.445726	NA	7.338	7.346	7.254	7.180	7.339	7.274	7.295	7.414	7.287	7.207	7.350	7.293	7.240	7.172	7.490	7.376	7.501	7.177	7.229	7.146	7.077	7.350	7.540	7.325	
1438128	at	LOCUSG000000	BB427907	Mm.374791	3	4.590	4.449	4.635	4.559	4.451	4.594	4.601	4.697	4.611	4.587	4.613	4.521	4.502	4.548	4.588	4.504	4.528	4.520	4.591	4.711	4.619	4.584	4.678	4.715	
1438129	at	Wsb2	BB329302	Mm.28489	5	8.003	7.871	7.878	8.078	7.973	7.974	7.988	7.816	8.041	7.985	8.116	7.770	7.918	7.925	8.022	7.951	7.821	7.812	7.920	7.916	7.745	7.619	8.056	8.001	
1438130	at	Tat15	BB427389	Mm.181050	11	6.319	6.496	6.807	6.476	5.446	6.775	6.679	5.997	6.470	6.453	5.626	6.453	6.217	6.325	6.322	6.584	5.294	6.185	6.394	6.460	6.046	5.313	6.395	5.488	
1438131	at	Fbwz2	BB309090	Mm.4465	2	6.821	6.791	6.779	6.492	6.775	6.751	6.541	6.802	6.712	6.610	6.477	6.723	6.930	6.514	6.782	6.692	7.061	6.859	6.711	6.625	6.770	6.728	6.682	6.459	
1438132	at	C030005G22Rik	BB355326	Mm.447120	14	5.849	5.481	5.606	5.622	5.690	6.014	5.684	5.890	5.332	5.375	5.600	5.419	5.440	5.512	5.815	5.631	5.531	5.553	5.772	5.852	5.607	5.619	5.683	5.647	
1438133	a	at	Cyrr61	BM202770	Mm.1231	3	10.854	10.284	10.087	9.264	10.114	10.148	10.488	9.742	10.525	10.441	12.244	10.307	10.596	10.519	10.740	10.235	9.138	8.780	9.060	9.335	9.997	9.530	9.601	11.328
1438134	at	Pcdh10	AV341417	Mm.242644	3	4.656	4.557	4.604	4.429	4.459	4.507	4.512	4.590	4.545	4.592	4.637	4.541	4.436	4.532	4.705	4.715	4.608	4.573	4.657	4.701	4.663	4.680	4.434	4.748	
1438135	at	IE130114P18Rik	BB541573	Mm.373807	4	6.454	6.067	6.714	6.346	6.479	6.540	6.462	6.360	6.328	6.480	6.497	6.247	6.438	6.386	6.778	6.618	6.388	6.667	6.475	6.397	6.385	6.325	6.446	6.493	
1438136	at	Astl	AV359709	Mm.31133	2	6.679	6.604	6.851	6.717	6.549	6.629	6.657	6.618	6.486	6.321	6.515	6.281	6.407	6.453	6.667	6.582	6.672	6.460	6.565	6.849	6.753	6.636	6.768	6.807	
1438137	at	Atx3	BB347787	Mm.31307	NA	6	8.347	8.259	8.248	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277	8.278	8.277
1438138	x	at	Pex6	BB252740	Mm.299399	17	8.440	8.224	8.248	8.488	8.273	8.248	8.260	8.319	8.287	8.315	8.281	8.352	8.368	8.182	8.200	8.366	8.277	8.343	8.361	8.434	8.273	8.366	8.302	8.302
1438139	at	Arhnaa28	BB546574	Mm.9935	17	7.014	6.714	6.945	6.793	6.786	6.723	6.857	7.218	6.857	6.708	6.831	6.756	6.943	6.712	6.715	6.667	6.618	6.687	6.837	6.769	6.850	6.810	7.015	6.593	
1438140	a	at	Zfp64	BF020964	Mm.2095	2	6.464	6.343	6.255	6.435	6.237	6.479	6.162	6.111	6.353	6.227	6.428	6.352	6.118	6.258	6.121	6.221	6.466	6.171	6.518	6.462	6.362	6.360	6.068	6.272
1438141	at	BC029684	BE981171	Mm.448979	4	6.436	6.355	6.487	6.573	6.337	6.342	6.606	6.610	6.489	6.244	6.320	6.471	6.349	6.249	6.440	6.447	6.453	6.152	6.377	6.451	6.708	6.439	6.397	6.584	
1438142	s	at	Ithk1	C87564	Mm.276155	9	5.616	5.519	5.583	5.543	5.526	5.515	5.411	5.484	5.597	5.510	5.668	5.472	5.561	5.470	5.448	5.561	5.520	5.786	5.569	5.644	5.596	5.685	5.388	5.692
1438143	s	at	Atxn2	BB705334	Mm.260900	5	10.475	10.437	10.780	10.551	10.415	10.367	10.461	10.457	9.953	10.201	9.885	10.552	10.170	10.080	10.240	10.424	10.424	10.390	10.291	10.057	10.429	10.625	10.397	10.552
1438144	x	at	Atxn3	BB705334	Mm.260900	5	8.502	8.339	8.596	8.626	8.502	8.437	8.400	8.482	8.583	8.274	8.510	8.256	8.487	8.353	8.266	8.531	8.404	8.432	8.521	8.593	8.545	8.115	8.706	8.484
1438145	at	Fcyt2	BB295974	Mm.339647	2	5.482	5.515	5.530	5.583	5.501	5.586	5.541	5.801	5.755	5.539	5.734	5.674	5.565	5.541	5.500	5.579	5.394	5.519	5.599	5.547	5.551	5.477	5.545	5.388	
1438146	x	at	Srly2d1	BB757200	Mm.155687	7	4.664	4.514	4.865	4.668	4.859	4.728	4.556	4.609	4.764	4.811	4.689	4.639	4.495	4.415	4.711	4.693	4.425	4.654	4.457	4.622	4.504	4.613	4.753	4.750
1438147	at	Scnt3750	BB398898	Mm.332750	5	9.074	8.818	9.034	8.921	8.770	8.911	9.131	8.909	8.784	8.764	8.993	8.759	8.875	8.912	9.063	9.179	9.051	9.180	9.171	9.331	9.143	9.039	8.970	9.126	
1438148	at	Cxcl3	BB829808	Mm.244289	5	4.999	3.944	3.848	3.857	3.743	4.075	3.826	3.918	3.700	3.818	5.375	3.525	4.046	3.974	3.771	3.750	3.724	3.861	3.840	3.968	3.830	3.619	3.966	4.043	
1438149	at	Pf1	AV167755	Mm.211032	9	4.693	4.890	4.978	4.898	4.786	4.821	4.829	4.922	4.659	4.482	4.373	4.703	4.704	4.802	4.826	4.889	4.824	4.737	4.807	5.059	4.754	4.691	4.986	4.932	
1438150	at	Fdhs	AV156959	Mm.39472	3	5.271	4.410	4.468	4.620	4.520	4.804	4.408	4.239	4.289	4.340	4.457	4.234	4.254	4.272	4.424	4.449	4.371	4.595	4.813	4.852	4.369	4.148	4.548	4.507	
1438151	x	at	Rchlc14	BB544336	Mm.311028	17	10.205	10.1																						

1438200	at	Sulf1	BB065799	Mm.45563	1	9.325	10.399	9.213	8.903	10.190	9.622	8.908	9.550	10.993	11.074	10.049	10.392	10.793	10.592	10.384	9.112	8.898	8.297	8.839	8.127	8.391	8.415	8.785	8.589
1438201	at	Ppm2c	AV290622	Mm.331489	4	7.837	7.689	8.300	8.157	7.656	8.497	8.344	7.363	6.936	7.690	7.155	7.694	7.313	7.813	7.683	8.358	8.048	8.078	8.403	8.451	7.900	8.270	8.323	7.786
1438202	at	C920005C14Rik	AV295663	Mm.444916	15	5.621	6.373	5.434	5.709	5.951	5.541	5.594	5.822	6.664	6.366	5.975	6.529	6.476	6.355	5.872	5.755	5.829	5.870	5.708	5.656	5.544	5.574	5.646	5.326
1438203	at	Scarf2	BF467245	Mm.194950	16	6.702	6.479	6.224	6.459	6.326	6.493	6.628	6.519	6.538	6.363	6.603	6.036	6.502	6.345	6.519	6.387	6.575	6.529	6.655	6.538	6.623	6.219	6.434	6.308
1438204	at	Hist1h1c	AW741575	Mm.139359	13	7.632	7.341	7.643	7.538	7.448	7.382	7.432	7.558	7.448	7.609	7.408	7.508	7.587	7.610	7.670	7.553	7.499	7.498	7.693	7.692	7.505	7.692	7.672	7.672
1438205	at	11100142N3Rik	BE692418	Mm.227361	19	7.204	7.124	7.141	7.226	7.289	6.966	7.157	7.125	7.195	7.194	7.194	7.288	7.176	7.164	7.258	7.101	7.351	7.207	6.949	7.170	7.268	7.269	7.033	7.253
1438206	a	Sys1	AI266964	Mm.44218	2	10.642	10.788	10.472	10.540	10.436	10.590	10.573	10.432	10.581	10.439	10.458	10.488	10.396	10.569	10.379	10.473	10.679	10.669	10.552	10.595	10.499	10.592	10.607	10.422
1438207	at	Gbr1	BB744704	Mm.271620	19	9.569	10.028	9.535	9.741	9.704	9.613	9.566	9.413	9.694	9.588	9.533	9.817	9.641	9.554	9.432	9.645	9.556	9.567	9.540	9.572	9.411	9.390	9.398	9.319
1438208	at	Taox2	BM198170	Mm.259634	7	7.963	7.854	7.629	7.756	8.052	7.827	7.806	7.958	7.817	8.030	7.893	8.036	8.053	7.906	7.929	7.777	7.824	7.845	7.896	7.846	7.862	7.815	7.950	7.723
1438209	at	4632404H12Rik	BB216617	Mm.386816	3	7.885	7.785	8.073	8.043	7.745	8.090	8.076	7.753	7.490	7.670	7.618	7.593	7.636	7.789	7.774	8.072	7.970	8.314	8.102	8.234	8.053	7.975	8.074	7.940
1438210	at	Gpr149	BB126999	Mm.95181	3	3.730	3.818	3.939	3.670	3.724	3.754	3.821	3.724	3.811	3.868	3.638	3.694	3.891	3.869	3.932	3.818	3.756	3.828	3.954	3.738	3.802	3.829	3.911	3.752
1438211	s	Dbp	BB550183	Mm.24222	7	10.792	10.513	10.630	11.241	11.368	11.694	11.452	11.467	9.983	10.131	10.484	11.831	11.332	10.567	11.218	10.436	12.579	12.437	11.561	11.898	12.273	12.600	11.375	10.972
1438212	at	Vhl1	BB390605	Mm.471601	1	7.524	7.642	7.472	7.636	7.510	7.432	7.546	7.449	7.620	7.510	7.406	7.430	7.415	7.568	7.168	7.626	7.426	7.537	7.512	7.474	7.599	7.594	7.407	
1438213	at	AB380018L16Rik	BB128962	Mm.52021	1	5.032	4.949	5.026	4.957	4.789	4.912	5.162	4.898	4.776	4.949	4.992	4.895	4.909	4.964	4.992	5.035	4.995	5.012	5.010	5.161	5.015	4.924	5.093	5.036
1438214	at	Trps1	BB483226	Mm.30466	15	7.948	8.228	7.827	7.719	8.325	8.441	8.157	7.831	8.680	8.731	8.144	8.363	8.755	8.307	8.595	7.908	7.341	7.782	7.897	7.584	7.544	7.580	8.057	7.864
1438215	at	Sfrs3	BB517005	Mm.6787	17	8.404	8.224	8.423	8.514	8.240	8.319	8.190	7.975	7.681	7.757	7.741	7.855	7.581	7.636	8.047	8.380	8.056	8.045	7.904	7.783	8.062	8.183	8.414	8.275
1438216	at	Rreb1	BG143502	Mm.132634	13	5.487	5.528	5.507	5.613	5.414	5.363	5.420	5.324	5.288	5.551	5.191	5.304	5.317	5.415	5.403	5.462	5.479	5.229	5.523	5.482	5.421	5.624	5.293	5.393
1438217	at	A2bp1	AW494804	Mm.707034	16	7.612	6.665	7.645	7.646	7.646	7.888	7.603	6.830	6.291	6.241	7.073	6.800	6.685	6.716	7.545	7.682	7.649	7.835	7.771	8.036	8.114	7.828	8.212	8.034
1438218	at	Tbcb24	BM252143	Mm.258475	10	8.911	8.726	8.969	9.010	8.941	8.837	8.975	8.740	8.791	8.836	8.478	8.934	9.129	8.828	8.825	8.991	9.076	9.201	9.312	9.221	9.116	9.001	9.113	8.879
1438219	at	Pura	B1134072	Mm.231802	18	6.456	5.953	6.248	6.126	5.943	6.088	6.206	6.438	6.373	6.260	6.430	5.978	6.188	6.325	6.378	5.965	6.442	6.314	6.213	6.368	6.381	6.746	6.447	6.366
1438220	at	Foxb3	MM240405	Mm.259227	4	6.529	6.588	6.301	6.368	6.297	6.422	6.450	6.424	6.294	6.547	6.840	6.247	6.405	6.447	6.456	6.431	6.539	6.285	6.463	6.393	6.378	6.472	6.414	6.670
1438221	at	D1ErtD5e	AI875682	Mm.26272	1	8.323	8.234	8.588	7.862	8.237	8.438	8.263	8.268	7.576	8.162	7.948	8.354	8.032	7.661	8.509	8.617	7.813	7.639	7.416	7.803	8.068	8.254	8.113	8.276
1438222	at	D2ErtD612e	BB079962	Mm.406147	2	7.769	7.710	7.779	7.758	7.628	7.784	7.808	7.641	7.902	7.790	7.790	7.429	7.697	7.849	7.622	7.768	7.463	7.452	7.649	7.516	7.685	7.635	7.729	7.622
1438223	at	NA	BG065705	NA	NA	5.773	5.519	6.040	5.814	5.893	5.847	5.900	5.701	5.957	6.046	5.869	6.306	6.079	5.876	5.974	5.924	6.064	6.120	5.926	6.013	5.852	5.904	5.900	5.879
1438224	at	Zswim5	BE572265	Mm.218946	4	6.463	6.422	6.540	6.519	6.416	6.352	6.736	6.535	6.458	6.603	6.565	6.361	6.404	6.484	6.625	6.756	6.494	6.437	6.616	6.803	6.463	6.446	6.606	6.584
1438225	x	at	Tram1	BB045262	Mm.28765	1	9.503	9.690	9.303	9.355	9.502	9.505	9.319	9.486	9.905	9.783	9.596	9.496	9.746	10.035	9.664	9.220	9.109	9.146	9.373	9.385	9.254	9.489	9.127
1438226	at	022252	BB143688	Mm.022722	7	7.024	6.967	7.252	7.251	7.024	6.967	7.252	7.251	7.024	6.967	7.252	7.251	7.024	6.967	7.252	7.251	7.024	6.967	7.252	7.251	7.024	6.967	7.252	7.251
1438227	at	49340542B0GRik	AV203073	Mm.271901	14	6.939	6.867	6.829	6.709	7.199	6.901	7.059	7.016	7.121	7.178	6.944	6.897	7.126	7.048	7.064	7.044	7.571	7.443	7.359	7.283	7.370	7.724	7.063	7.123
1438228	at	Pqat1b	BM240147	Mm.262096	18	8.808	8.842	8.875	8.863	8.838	8.745	8.732	8.950	8.886	8.821	8.778	8.884	8.935	8.692	8.753	8.632	9.167	8.981	8.788	8.885	9.034	9.208	8.966	8.754
1438230	at	Pggt1b	BM240147	Mm.262096	18	9.072	9.015	9.107	8.987	9.011	9.081	8.963	8.902	8.840	8.955	8.945	9.105	8.949	8.986	9.062	8.892	8.901	9.031	9.014	9.033	8.899	9.190	8.901	9.005
1438231	at	Foxp2	AV322952	Mm.332919	6	6.887	7.348	6.724	6.900	7.587	7.081	7.051	7.602	8.143	8.192	6.542	8.258	8.183	7.550	7.532	6.705	7.721	7.700	7.016	6.801	7.230	7.113	6.759	6.691
1438232	at	Foxp2	AV322952	Mm.332919	6	8.234	8.210	8.213	8.314	8.451	8.450	8.350	8.713	8.807	8.681	8.162	8.726	8.867	8.493	8.643	8.084	8.084	8.421	8.667	8.675	7.947	8.241	8.177	8.237
1438233	at	60304430O7Rik	AV343569	Mm.212609	19	9.925	9.714	10.146	9.944	10.049	10.142	9.917	9.742	9.592	9.731	9.552	9.921	9.949	9.995	9.808	10.107	9.810	9.762	9.865	9.899	9.713	9.842	9.843	9.700
1438234	at	C100045629	BM247366	Mm.295330	1	7.257	6.993	7.250	7.321	7.574	7.347	7.370	7.427	7.069	7.251	7.332	7.246	7.339	7.117	7.667	7.209	7.314	7.292	7.314	7.292	7.314	7.292	7.314	7.292
1438235	at	NA	BG094104	NA	NA	7.410	7.574	7.433	7.564	7.902	7.703	7.580	7.598	7.662	7.603	7.335	7.808	7.673	7.652	7.686	7.453	7.723	7.601	7.545	7.622	7.581	7.666	7.520	7.422
1438236	at	Nfia	BB485864	Mm.31274	4	8.615	8.288	8.518	8.640	8.866	9.078	8.814	8.570	8.282	8.239	8.121	8.769	8.525	8.198	8.664	8.337	9.063	9.247	8.995	8.824	8.758	8.779	8.822	8.478
1438237	at	OTTMUSG000000	BM198106	Mm.458396	4	7.236	6.888	6.950	6.825	7.037	6.896	6.571	6.919	6.916	7.203	6.997	6.116	6.715	6.578	7.120	6.801	7.300	7.385	7.319	7.332	7.006	7.404	7.073	7.292
1438238	at	2010315B03Rik	BB744779	Mm.458553	2	7.360	6.875	7.670	7.437	5.553	7.304	7.602	6.735	6.532	6.513	6.466	7.746	7.550	7.314	5.637	7.831	5.909	5.347	5.686	5.828	5.343	5.742	5.293	5.050
1438239	at	Mid1	BG073178	Mm.34441	X	7.964	7.944	7.971	6.870	6.559	6.781	6.996	7.825	6.888	6.884	6.841	6.973	7.078	6.847	6.772	7.662	6.602	6.615	6.642	6.887	6.571	6.679	6.614	6.465
1438240	at	Ccin	AV209196	Mm.348215	4	6.153	6.070	6.090	6.179	6.161	6.163	6.163	6.186	6.188	5.681	6.239	5.881	6.084	6.210	6.081	6.054	6.204	6.241	6.061	6.260	6.194	6.261	6.135	
1438241	at	Rps27b	BB627695	Mm.333943	7	8.037	8.005	8.015	8.015	8.005	8.015	8.005	8.251	8.015	8.005	8.251													

1438289	a	at	Sumo1	AV021595	Mm.362118	1	11.438	11.472	11.753	11.623	11.502	11.798	11.815	11.241	11.145	11.429	11.322	11.334	11.294	11.499	11.717	11.747	11.231	11.372	11.566	11.543	11.466	11.522	11.698	11.762
1438290	x	at	Sftpc	AV169310	Mm.204040	14	4.398	4.185	4.262	4.328	4.301	4.229	4.317	4.316	4.245	4.268	4.430	4.269	4.106	4.106	4.245	4.094	4.369	4.408	4.311	4.276	4.405	4.153	4.304	4.274
1438291	x	at	OTTMUSG000000	AV069169	NA	4	9.215	9.619	9.106	9.208	9.226	9.251	9.388	10.090	9.139	9.658	9.408	9.720	9.588	9.595	9.377	9.015	9.800	9.600	9.323	9.194	9.723	9.976	9.051	9.162
1438292	x	at	Adk	BB559878	Mm.188734	14	13.025	12.650	13.206	12.924	12.466	12.901	12.917	12.760	11.630	12.125	12.260	12.371	12.047	12.252	12.682	13.062	12.853	12.773	12.818	12.952	12.923	13.000	13.050	13.200
1438293	at		Tdp	B1793442	Mm.239698	5	8.511	8.513	8.599	8.707	8.848	8.842	8.505	8.478	8.622	8.527	8.756	8.705	8.699	8.630	8.682	8.612	8.513	8.658	8.574	8.723	8.568	8.681	8.773	
1438294	at		Atn1p	BG067317	NA	13	8.849	8.555	8.916	8.578	8.923	8.830	8.871	8.888	8.861	8.589	8.503	8.575	8.854	8.679	8.633	8.843	8.798	8.701	8.715	8.651	8.893	8.875	8.865	
1438295	at		NA	BM247146	NA	NA	5.648	5.605	5.806	5.688	5.581	5.586	5.776	5.541	5.602	5.508	5.558	5.503	5.519	5.679	5.600	5.531	5.796	5.665	5.638	5.802	5.676	5.567	5.565	5.494
1438296	at		CA30010C01	BE632919	Mm.386906	2	6.628	6.678	6.609	6.904	6.706	6.561	6.537	6.474	6.506	6.595	6.289	6.714	6.376	6.458	6.506	6.611	6.843	7.152	6.807	6.694	6.470	6.787	6.831	6.510
1438297	at		AA545190	BG069097	Mm.4397	6	4.946	4.866	5.039	4.976	4.918	4.842	4.942	4.788	4.887	4.893	5.000	4.774	4.981	5.204	4.810	5.043	4.845	5.315	5.081	5.078	5.137	5.017	5.077	4.838
1438298	a	at	12-Sep	AI326328	Mm.87382	16	5.726	5.722	5.741	5.791	5.753	5.637	5.695	5.963	5.751	5.584	5.793	5.696	5.762	5.621	5.768	5.756	5.873	5.748	5.751	5.779	5.845	5.873	5.787	5.864
1438299	at		923010815RIK	BB120894	NA	2	9.152	8.849	9.354	9.398	9.013	9.512	9.284	9.111	8.421	8.818	5.983	9.013	8.881	9.945	9.053	9.377	9.440	9.451	9.570	9.678	9.082	9.363	9.800	9.129
1438300	at		CdkN2a	BB371618	Mm.393807	8	7.014	4.000	4.278	4.044	4.004	3.994	3.877	3.943	3.884	3.982	3.809	4.101	3.914	3.941	4.159	3.971	3.831	3.979	4.021	4.130	3.882	3.800	3.974	4.174
1438301	at		NA	BG064109	NA	NA	7.634	7.482	7.621	7.762	7.718	7.797	7.664	7.519	7.357	7.377	7.425	7.638	7.591	7.457	7.610	7.931	7.523	7.560	7.474	7.642	7.714	7.650	7.766	7.513
1438302	at		NA	B1903744	NA	NA	4.014	6.758	7.085	6.969	6.863	6.803	6.981	7.124	6.917	6.923	7.016	6.985	6.913	6.908	7.096	7.156	6.917	6.884	7.071	7.005	6.872	6.820	6.988	7.106
1438303	at		TqfB2	AV246759	Mm.18213	1	6.298	7.187	6.250	6.234	6.749	6.241	6.430	6.492	6.871	7.091	6.808	6.939	7.042	7.392	7.004	6.178	6.332	6.230	6.378	6.302	6.159	6.260	6.322	6.393
1438304	at		Cxcx4	BE985121	Mm.224814	3	6.095	6.002	5.956	5.947	6.005	6.099	6.009	6.165	5.815	5.873	6.004	6.099	5.954	5.980	6.005	6.189	6.168	5.980	6.204	5.869	5.958	5.937	5.972	5.895
1438305	at		Rims1	BB700394	Mm.60061	1	6.432	6.061	6.337	6.202	6.098	6.200	6.224	6.178	6.280	6.111	6.355	5.977	6.082	6.266	6.164	6.028	6.148	6.284	6.210	6.395	6.126	5.995	6.179	6.264
1438306	at		Rnf180	AV340072	Mm.317015	13	4.531	5.265	4.412	4.540	4.689	4.646	4.744	4.343	5.084	5.062	4.654	4.763	4.844	5.000	4.652	4.532	4.376	4.450	4.580	4.614	4.558	4.254	4.663	4.443
1438307	at		NA	AV317732	NA	NA	4.826	4.702	4.988	4.608	4.805	4.673	4.870	5.118	4.627	4.740	5.113	4.808	4.611	4.980	4.954	4.803	4.837	4.916	4.973	4.903	4.741	4.978	4.804	4.859
1438308	at		4931433A01RIK	BB432539	Mm.461314	4	6.239	6.121	6.288	6.175	6.050	6.057	6.266	6.145	6.053	6.138	6.079	6.146	6.249	6.013	6.061	6.185	6.105	6.086	6.129	6.137	6.043	6.212	6.126	5.977
1438309	at		NA	BB432539	Mm.77751	2	3.791	3.759	3.721	3.771	3.772	3.922	3.754	3.679	3.862	3.756	3.690	3.681	3.771	3.805	3.681	3.890	3.868	3.818	3.756	3.784	3.782	3.749	3.804	3.811
1438310	at		NA	BB353853	NA	NA	8.216	8.303	8.219	8.135	8.251	8.326	8.442	8.440	8.220	8.355	8.252	8.473	8.551	8.432	8.517	8.266	8.104	8.138	8.057	8.185	8.448	8.528	8.759	8.634
1438311	at		2010002M21RIK	BB703633	Mm.404727	19	4.185	4.089	4.185	4.104	4.275	4.243	4.292	4.328	4.279	4.276	4.251	4.168	4.163	4.187	4.202	4.335	4.407	4.445	4.371	4.388	4.615	4.407	4.371	4.200
1438312	s	at	Scv1	BB324823	Mm.276063	19	10.076	10.791	10.140	10.312	11.427	10.666	10.105	10.816	11.669	11.600	10.649	12.062	12.092	10.889	11.448	10.105	10.314	10.523	10.286	9.850	10.271	10.347	10.033	9.970
1438313	at		NA	BB233366	NA	NA	4.993	4.868	5.078	4.972	4.850	4.796	4.761	4.835	4.754	4.801	4.843	4.580	4.578	4.807	4.810	4.792	4.540	4.581	4.715	4.804	4.762	5.035	5.163	4.805
1438314	at		Pctk1	BB431090	Mm.102574	X	4.883	4.567	4.743	4.774	4.708	4.508	4.646	4.990	4.811	4.649	4.675	4.677	4.750	4.722	4.659	4.694	4.697	4.616	4.818	4.648	4.966	4.760	4.620	4.803
1438315	x	at	Adp7a5	BB297397	NA	4	11.561	11.282	11.165	11.778	11.626	11.670	11.789	11.570	11.296	11.560	11.463	11.076	11.610	11.610	11.461	11.515	11.436	12.450	12.451	11.910	12.321	12.460	11.681	11.720
1438316	at		Cdc102a	BB375402	Mm.1021	8	6.327	6.272	6.986	6.187	6.561	6.237	6.920	6.431	6.987	6.543	6.987	6.742	7.140	6.972	6.745	6.633	6.493	6.492	6.462	6.218	6.462	6.430	6.608	6.058
1438317	at		D2Wsu81e	AV104666	Mm.4449	2	10.834	10.515	10.701	10.435	10.433	10.467	10.748	11.404	10.099	10.094	10.512	10.505	10.252	9.935	10.155	10.464	11.551	11.352	10.888	10.630	11.084	11.392	10.473	10.491
1438318	x	at	Nadn	BB559925	Mm.21214	14	10.216	10.633	10.228	10.143	10.349	10.317	10.422	11.384	10.466	10.379	10.339	10.571	10.448	10.399	10.307	10.205	10.616	10.695	10.458	10.283	10.351	10.399	10.241	10.155
1438319	x	at	Fastkd2	BB404659	Mm.30965	1	8.704	8.858	9.061	8.786	8.717	8.912	9.121	9.068	8.486	8.695	8.556	8.765	8.289	8.579	8.719	9.143	9.057	9.044	8.928	8.959	8.977	9.113	8.953	9.115
1438320	s	at	Mcm7	BB464359	Mm.378965	5	8.974	10.909	8.957	9.361	9.946	9.818	9.506	10.136	9.836	9.602	9.233	9.559	9.568	10.647	9.633	9.836	9.703	9.446	9.660	9.482	9.417	10.013	9.189	9.089
1438321	x	at	4930504E06RIK	BB010153	Mm.279287	3	9.282	9.582	9.321	9.237	9.494	9.364	9.344	9.672	9.473	9.580	9.308	9.958	9.715	9.431	9.737	9.299	9.741	9.589	9.280	9.293	9.473	9.917	9.402	9.318
1438322	x	at	Fdf1	BB028312	Mm.474432	14	8.825	8.498	8.979	9.200	8.572	9.158	8.901	8.673	8.067	7.966	8.252	8.448	8.001	8.139	8.681	8.941	8.802	9.445	9.035	9.235	9.343	9.915	9.389	9.098
1438323	at		NA	Mm.458333	NA	7	8.231	6.732	6.450	7.932	8.951	6.237	8.920	8.342	8.352	8.548	8.589	8.536	8.536	8.466	8.494	8.466	8.494	8.466	8.494	8.466	8.494	8.466	8.494	8.466
1438324	at		9330182L06RIK	AV550882	Mm.130063	5	3.695	3.861	3.713	3.723	3.547	3.744	3.758	3.636	3.682	3.749	3.591	3.704	3.761	3.662	3.870	3.681	3.652	3.713	3.640	3.704	3.811	3.682	3.714	3.644
1438325	at		Evil1	AI647591	Mm.56965	3	9.017	9.261	9.128	9.351	9.161	9.435	9.120	9.366	9.378	9.444	8.810	9.472	9.564	9.626	9.441	9.221	9.320	9.273	9.418	9.455	9.075	9.329	8.628	9.020
1438326	at		Trmt6	BE951804	Mm.34199	2	6.930	6.853	6.612	6.777	6.832	6.921	6.714	6.464	6.540	6.650	7.343	6.596	6.624	6.702	6.948	6.948	7.021	6.939	6.813	6.942	6.879	6.971	6.951	6.896
1438327	at		Zfp385b	BE981788	Mm.126649	2	6.309	6.088	5.943	6.086	6.053	6.108	6.017	6.134	5.984	6.196	6.116	6.133	6.199	5.951	6.108	5.993	6.195	6.015	5.971	6.013	6.008	6.023	6.106	6.138
1438328	at		Hfc2	BB211735	Mm.127405	10	8.297	8.028	8.728	8.677	8.135	8.617	8.522	7.866	7.813	8.318	7.842	8.269	8.123	8.159	8.256	8.172	8.207	8.201	8.566	8.514	8.153	8.118	8.374	8.653
14383																														

1438378	at	1700013G23Rik	AV208934	Mm.383770	11	4.270	4.691	4.146	4.158	4.626	4.010	4.251	5.106	4.710	4.660	4.502	4.808	4.441	4.351	4.374	4.143	4.249	4.182	4.217	3.876	4.261	4.421	3.753	3.932	
1438379	x	at	2310007F21Rik	AV330311	Mm.34338	9	4.150	3.984	4.016	4.076	4.138	4.067	4.402	4.130	4.093	3.985	3.927	4.403	4.008	3.977	4.178	4.034	4.038	3.979	4.120	3.881	4.145	4.138	4.027	4.074
1438380	at	Ddx47	BB305306	Mm.166524	6	3.642	3.738	3.780	3.633	3.654	3.777	3.796	3.891	3.566	3.512	3.613	3.658	3.750	3.663	3.596	3.623	3.688	3.643	3.694	3.807	3.659	3.689	3.675	3.661	
1438381	x	at	Ddx47	BB305306	Mm.166524	6	5.777	5.518	5.753	5.497	5.471	5.481	5.483	5.455	5.620	5.499	5.342	5.597	5.367	5.522	5.636	5.409	5.663	5.613	5.486	5.406	5.473	5.750	5.422	5.525
1438382	x	at	2010005J08Rik	BB113854	Mm.271457	11	5.531	5.789	5.583	5.853	5.607	5.541	5.411	5.821	5.618	5.597	5.677	5.788	5.717	5.593	5.560	5.873	5.638	5.626	5.541	5.732	5.698	5.546	5.524	
1438383	x	at	Ppou21a	BB516464	Mm.294138	17	13.089	13.328	13.226	13.048	13.036	13.128	13.172	12.951	13.123	13.157	13.161	13.078	13.057	13.227	13.119	13.049	12.883	13.050	13.097	13.107	12.976	13.013	13.096	12.931
1438384	at	1700247L15Rik	AV047675	Mm.276558	12	4.390	4.341	4.327	4.251	4.306	4.347	4.480	4.322	4.303	4.305	4.223	4.384	4.183	4.239	4.434	4.448	4.276	4.388	4.319	4.410	4.415	4.305	4.472	4.385	
1438385	s	at	Gpt2	BB068040	Mm.200423	8	7.770	7.389	8.111	8.244	8.307	8.334	8.213	7.612	7.538	7.516	7.269	7.925	7.346	7.210	8.151	8.131	8.701	8.352	8.225	8.205	8.664	8.970	8.499	8.878
1438386	x	at	Mat2a	BB470596	Mm.29815	6	11.862	11.551	11.574	11.559	11.810	11.497	11.704	11.671	11.042	11.016	11.232	11.202	10.965	11.251	11.403	11.394	11.394	11.292	11.158	11.706	11.874	11.812	11.735	
1438387	x	at	Top3b	BB107606	Mm.326089	16	7.799	7.422	7.848	7.716	7.356	7.877	7.938	7.310	7.000	7.470	7.642	7.541	7.593	7.571	7.831	7.934	7.679	7.986	7.835	8.040	7.642	7.590	7.670	8.205
1438388	at	NA	BB078029	NA	NA	3.529	3.517	3.729	3.581	3.741	3.665	3.674	3.613	3.636	3.548	3.639	3.524	3.617	3.586	3.690	3.600	3.572	3.611	3.665	3.859	3.658	3.606	3.679	3.611	
1438389	x	at	Acly	BB424434	Mm.282039	11	3.624	3.795	3.751	3.765	3.729	3.785	3.666	3.664	3.696	3.921	3.769	3.744	3.724	3.777	3.837	3.760	3.453	3.621	3.629	3.669	3.751	3.567	3.787	3.697
1438390	s	at	Pttu1	AV105428	Mm.5856	11	13.169	12.919	13.120	13.028	10.843	13.064	13.197	13.006	11.713	11.486	12.768	13.042	12.944	12.847	12.932	13.142	11.115	13.390	13.249	13.329	10.659	11.111	10.732	10.572
1438391	x	at	Ust817b10	AV081914	Mm.6994	X	10.347	10.060	10.569	10.444	9.809	10.448	10.336	10.182	9.720	9.690	9.859	10.177	9.649	9.733	10.021	10.460	10.777	10.742	10.529	10.453	10.763	10.667	10.466	10.380
1438392	at	NA	BM239011	NA	NA	6.667	6.267	6.273	6.525	6.480	6.397	6.508	6.551	6.580	6.328	6.545	6.282	6.512	6.511	6.335	6.308	6.643	6.475	6.532	6.804	6.609	6.800	6.501	6.568	
1438393	at	NA	BB700210	NA	NA	5.459	4.950	5.369	5.169	5.145	5.100	5.253	5.215	4.902	4.735	5.303	4.889	5.017	4.971	4.981	4.962	5.215	4.843	5.109	5.201	5.180	5.282	5.106	5.233	
1438394	x	at	Krt14	AV082644	Mm.46425	15	7.543	7.104	7.437	7.694	7.184	7.256	7.715	7.571	7.033	7.187	7.029	7.528	7.203	7.007	7.364	7.653	7.769	7.380	7.485	7.445	7.660	7.618	7.580	7.731
1438395	at	NA	AV023306	NA	NA	4.884	4.720	4.804	4.906	4.737	5.002	5.109	4.931	4.830	4.616	4.739	4.732	4.776	4.821	5.016	4.782	5.305	4.788	5.023	5.009	4.908	5.110	4.864	4.941	
1438396	at	Ocr1	BB751120	Mm.210343	X	7.995	8.366	8.188	7.982	8.198	8.169	8.028	7.727	8.447	8.603	7.795	8.245	8.111	8.195	8.286	8.409	8.053	8.296	8.219	8.049	7.796	8.265	8.006	8.462	
1438397	s	at	Rbm39	BB203348	Mm.392436	2	6.640	6.554	6.568	6.154	6.572	6.556	6.185	6.506	6.497	6.551	6.420	6.593	6.414	6.448	6.921	6.474	6.773	6.659	6.383	6.707	6.531	6.547	6.393	6.819
1438398	at	NA	BB203348	NA	NA	6.863	6.806	6.886	6.667	6.747	6.998	6.758	6.453	6.328	6.864	6.668	6.658	6.669	6.615	7.214	6.914	7.037	6.775	6.614	7.225	7.307	7.044	7.116	7.400	
1438399	at	Pex5l	BB428358	Mm.151332	3	7.492	7.301	7.682	7.508	7.498	7.438	7.591	7.398	7.609	7.403	7.795	7.434	7.483	7.700	7.573	7.544	7.587	7.686	7.567	7.773	7.590	7.552	7.609	7.739	
1438400	at	463241B12Rik	BG067263	Mm.24734	1	10.403	10.242	10.211	10.414	10.528	10.306	10.099	10.557	10.046	10.267	10.763	10.702	10.528	10.118	10.402	10.345	10.176	10.551	10.442	10.416	10.517	10.721	10.344	10.459	
1438401	at	Ubn1	AV124741	Mm.66356	16	9.439	9.841	9.119	9.426	9.672	9.253	9.233	10.184	9.778	9.597	9.565	9.974	9.840	9.494	9.562	9.188	9.977	9.731	9.359	9.363	9.803	10.137	9.396	9.358	
1438402	at	Fam171a1	BB113135	Mm.23044	2	7.383	8.068	7.485	7.332	7.944	7.546	7.406	8.031	8.269	8.179	7.867	7.998	8.193	7.839	7.907	7.541	7.558	7.661	7.618	7.495	7.589	7.695	7.235	7.262	
1438403	s	at	Malat1	BF537798	Mm.298256	19	10.885	10.693	10.191	10.378	10.677	10.103	10.123	11.734	10.853	10.216	10.176	10.830	10.336	9.758	10.044	10.231	11.459	10.792	10.101	9.919	11.141	11.620	10.163	10.109
1438404	at	Fat144a	BB007313	Mm.214957	12	8.733	8.614	8.708	8.620	8.752	8.820	8.758	8.680	8.920	8.705	8.935	8.810	8.908	8.838	8.911	8.908	8.898	8.932	8.911	8.908	8.932	8.911	8.908	8.932	8.911
1438405	at	Rbm19	BF791906	Mm.330557	17	10.010	9.831	9.809	9.769	9.925	9.899	9.977	9.765	10.161	10.147	9.866	9.846	10.122	10.150	9.697	9.977	9.827	10.356	9.927	9.882	9.922	10.139	10.482	7.726	9.725
1438406	at	Scar2	AW913815	Mm.194950	16	9.071	8.997	8.988	9.105	9.016	8.947	9.070	8.920	9.053	9.049	9.074	9.128	9.002	8.975	9.141	9.031	9.223	9.113	9.127	9.100	8.911	8.925	9.091	9.134	
1438407	at	Dsel	AV336691	Mm.103468	1	8.981	9.970	9.914	9.180	10.079	9.614	9.247	9.727	10.128	10.124	9.940	10.254	10.515	10.072	10.141	9.144	8.860	9.022	9.064	8.507	9.087	9.176	9.065	8.851	
1438408	at	Ankrd56	BB131927	Mm.245085	5	9.929	6.031	5.879	6.100	5.887	5.963	5.893	5.959	6.183	5.994	6.145	5.780	5.985	6.057	5.965	5.915	6.018	5.993	6.115	5.916	6.103	5.948	5.906	6.273	
1438409	at	Cep3b	BG061859	Mm.38910	9	9.476	9.131	9.597	9.508	9.205	9.541	9.583	9.227	8.815	8.991	9.020	9.162	9.052	9.120	9.279	9.457	9.447	9.574	9.636	9.544	9.395	9.525	9.639	9.710	
1438410	at	Prtg	BB295128	Mm.31696	9	7.070	6.671	7.054	7.028	7.018	6.987	7.070	6.989	7.012	6.760	7.098	6.719	7.147	7.148	6.931	7.145	6.646	6.713	6.934	7.316	7.284	6.902	7.222	7.003	
1438411	at	Gpr1	BB009113	Mm.33362	5	5.855	5.614	5.645	6.095	5.978	5.953	5.709	5.917	6.093	5.712	6.031	5.863	5.793	5.846	5.862	5.915	5.762	5.895	5.940	6.094	6.108	5.773	5.878	5.908	
1438412	at	NA	AV261976	NA	NA	7.296	6.902	7.365	7.370	6.932	7.513	5.955	6.284	5.879	6.586	6.925	5.785	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	
1438413	at	Senp7	AV231698	Mm.255784	16	7.147	6.920	7.136	7.306	7.075	7.681	7.381	7.087	6.991	7.396	6.547	7.215	7.573	7.200	7.443	7.369	7.323	7.266	7.586	7.552	7.230	7.518	6.965	7.272	
1438414	at	Fkpr	BF466700	Mm.39703	7	6.479	6.086	6.281	6.190	6.407	6.299	6.443	6.303	6.205	5.972	6.461	6.192	6.388	6.237	6.261	6.104	6.240	6.303	6.531	6.547	6.639	6.686	6.731	6.364	
1438415	s	at	Carm1	AV166218	Mm.178115	9	7.190	7.665	7.067	7.228	7.545	7.218	7.198	7.381	7.641	7.472	6.906	7.668	7.361	7.365	7.291	7.266	7.996	7.780	7.472	7.065	7.304	7.602	6.975	6.716
1438416	at	Med16	BM238407	Mm.260089	10	9.407	9.469	9.259	9.464	9.371	9.325	9.106	9.704	9.284	9.122	9.210	9.470	9.197	8.725	9.114	9.368	10.182	9.682	9.348	9.476	9.875	10.246	9.395	9.121	
1438417	at	Pwmp2b	BB809239	Mm.334300	7	8.039	8.328	7.978	8.227	8.265	7.959	7.931	8.480	8.393	8.361	8.117	8.516	8.492	8.181	8.174	7.949	8.243	8.432	8.029	8.018	8.311	8.135	8.201	8.072	
1438418	at	232432K03Rik	BB536931	Mm.379235																										

1438467	at	Mql2	AW494220	Mm.222465	11	7.425	7.109	7.379	7.933	7.318	7.620	8.041	7.228	6.887	6.723	7.174	7.230	7.257	7.381	7.115	7.383	7.195	7.360	7.439	7.373	7.451	7.350	7.291	7.082	
1438468	at	OTTMUSGO000000	BG070047	Mm.476097	4	4.844	4.669	4.771	4.664	4.722	4.711	4.773	4.653	4.680	4.719	4.887	4.688	4.863	4.643	4.793	4.677	4.772	4.670	4.736	4.786	4.754	4.716	4.674	4.729	
1438469	at	Bcor11	BG071122	Mm.201146	X	7.672	7.397	7.376	7.566	7.717	7.481	7.482	7.596	7.768	7.639	7.756	7.501	7.583	7.850	7.676	7.457	7.586	7.515	7.620	7.713	7.524	7.402	7.620	7.594	
1438470	at	SocS2	AI647821	Mm.4132	10	8.585	8.662	8.655	8.306	8.558	8.782	8.229	8.488	8.227	8.372	8.515	8.647	8.662	8.897	8.334	8.513	8.257	8.659	8.287	8.168	8.033	8.647	8.090	8.214	
1438471	at	NA	B8359474	NA	4	4.395	4.534	4.625	4.433	4.659	4.489	4.679	4.682	4.429	4.513	4.732	4.591	4.644	4.620	4.588	4.554	4.723	4.549	4.637	4.544	4.485	4.418	4.592	4.580	
1438472	at	Trmem8	BF464818	Mm.304656	NA	17	5.471	5.123	5.305	5.200	4.940	5.159	5.116	5.075	5.180	5.298	5.226	5.060	5.309	5.186	5.238	5.286	4.886	5.253	5.300	5.318	5.345	5.024	5.453	
1438473	at	Ar115	B8445175	Mm.79837	13	6.117	6.014	6.069	5.946	5.815	6.184	6.231	5.856	5.755	5.935	5.988	5.976	5.758	6.237	6.094	6.083	5.555	6.009	6.162	6.395	5.785	5.839	5.895	6.209	
1438474	at	Ankrd35	AV232749	Mm.39732	3	5.772	5.645	5.573	5.605	5.611	5.494	5.588	5.641	5.479	5.484	5.625	5.768	6.021	5.491	5.558	5.526	5.664	5.547	5.927	5.467	5.692	5.673	5.531	5.588	
1438475	at	AB124611	BM246462	Mm.325205	9	6.569	7.795	6.450	6.642	6.684	6.702	6.680	6.298	7.445	7.386	6.651	6.471	6.660	7.170	6.355	6.633	6.216	6.226	6.205	6.291	6.043	6.159	6.624	6.344	
1438476	a	at	Chd4	BB201828	Mm.333388	6	7.740	8.011	7.464	7.770	7.972	7.722	7.524	8.199	7.917	7.895	7.756	8.280	7.901	7.758	7.704	7.489	8.383	8.404	7.877	7.697	8.104	8.262	7.468	7.621
1438477	a	Mcee	AA960125	Mm.10093	7	10.153	9.647	10.055	10.102	9.888	9.948	9.960	9.919	10.318	9.396	9.421	9.705	9.995	9.814	9.142	9.533	10.030	10.040	10.587	10.096	10.217	10.745	10.812	9.903	9.979
1438478	a	Ppp3ca	AI313926	Mm.331389	3	9.881	9.588	9.721	9.747	9.682	9.758	9.640	9.624	9.514	9.697	9.670	9.695	9.639	9.528	9.653	9.680	9.667	9.703	9.689	9.663	9.525	9.687	9.645	9.673	
1438479	at	Zfp213	AW475942	Mm.268582	17	7.568	7.414	7.876	7.487	7.435	7.248	7.467	7.455	7.299	7.294	7.301	7.500	7.396	7.531	7.431	7.508	7.518	7.496	7.447	7.644	7.475	7.345	7.631	7.612	
1438480	a	Thyn1	AV301755	Mm.16925	9	8.723	9.559	9.208	9.075	8.932	9.073	9.346	8.936	9.208	9.070	8.933	8.907	8.713	9.035	8.752	9.049	8.824	9.104	9.120	9.000	8.901	8.951	9.011	8.998	
1438481	at	Prpf4	AI854375	Mm.30660	4	7.812	7.689	7.736	7.788	7.761	8.061	7.776	7.675	7.649	7.671	7.706	7.684	7.641	7.679	7.730	7.806	7.604	7.900	7.965	7.827	7.834	7.951	7.977	7.880	
1438482	at	Wwp2	BM244014	Mm.390058	8	8.473	8.177	8.219	8.559	8.585	8.431	8.192	8.554	9.029	8.797	8.408	8.504	8.752	8.421	8.467	8.355	8.368	8.297	8.332	8.116	8.372	8.332	8.422	8.259	
1438483	at	Nos1	BB794641	Mm.44249	5	7.733	7.397	7.633	7.699	7.612	7.616	7.698	7.677	7.508	7.552	7.490	7.629	7.624	7.696	7.593	7.729	7.662	7.594	7.616	7.711	7.684	7.544	7.642	7.606	
1438484	at	Ado	BE985622	Mm.297250	10	7.569	7.240	7.578	7.718	7.449	7.535	7.414	7.462	7.484	7.384	7.432	7.424	7.404	7.594	7.435	7.585	7.599	7.515	7.389	7.677	7.506	7.446	7.464	7.504	
1438485	at	E131012L23Rik	BB770854	Mm.9239	14	8.734	8.907	8.552	8.771	8.982	8.568	8.707	8.868	9.160	9.077	8.893	9.053	8.952	8.875	8.850	8.836	8.732	8.671	8.559	8.626	8.642	8.627	8.674	8.676	
1438486	at	Tssk4	AI426148	Mm.171300	14	5.164	5.234	5.217	5.108	5.184	4.954	5.181	5.349	5.262	5.215	5.285	5.152	5.127	5.055	5.202	5.139	5.119	5.182	5.201	5.276	5.460	5.010	5.195	5.054	
1438487	s	at	Zzz3	BB724567	Mm.379292	3	9.348	9.210	9.463	9.527	9.097	9.260	9.322	9.182	9.151	9.416	9.397	9.232	9.075	9.278	9.268	9.458	9.025	8.943	8.872	8.601	9.146	9.380	8.778	9.266
1438488	at	Esd	BA448921	Mm.38055	14	4.572	4.729	4.569	4.536	4.757	4.450	4.555	4.580	4.783	4.933	4.696	4.632	4.634	4.669	4.651	4.569	4.481	4.541	4.705	4.486	4.516	4.418	4.607	4.515	
1438489	at	Smn1	BM068889	Mm.2025	13	6.252	6.042	6.134	6.158	6.107	6.254	6.106	6.116	6.158	6.108	6.042	5.990	6.171	6.070	6.088	6.104	6.293	6.033	6.113	6.067	6.131	5.992	6.257	6.190	
1438490	at	S3c9a14	BB769796	Mm.270647	14	7.775	7.688	7.271	7.443	7.263	7.298	6.857	7.330	7.598	7.344	7.281	7.326	7.241	7.417	7.132	7.637	7.043	7.037	7.163	6.929	7.318	7.278	7.562	7.332	
1438491	x	at	AS30054K11Rik	BF227108	Mm.342918	13	7.228	7.123	7.129	7.147	7.260	6.964	6.925	7.125	7.150	7.160	6.287	6.859	7.238	6.720	7.062	7.006	7.306	7.549	7.427	7.288	7.070	7.642	7.126	7.272
1438492	at	SocS7	BF466815	Mm.34339	11	6.378	6.182	6.110	6.307	6.419	6.067	6.277	6.451	6.288	6.146	6.397	6.106	6.179	6.317	6.287	6.268	6.512	6.194	6.238	6.168	6.373	6.333	6.393	6.222	
1438493	at	NA	BA445451	Mm.244541	11	5.495	5.335	5.305	5.338	5.457	5.379	5.390	5.358	5.379	5.390	5.358	5.379	5.390	5.358	5.379	5.390	5.358	5.379	5.390	5.358	5.379	5.390	5.358	5.379	5.390
1438494	at	Hrn1	BM053327	Mm.333327	6	6.348	6.206	6.151	6.210	6.035	6.121	6.191	6.232	6.232	6.094	6.342	6.101	6.304	6.196	6.146	6.180	6.087	6.042	6.184	6.187	6.149	6.149	6.324	6.393	
1438495	at	Top1	BB127876	Mm.217233	2	8.254	8.051	8.285	8.154	8.119	8.677	8.396	7.586	7.628	7.886	7.980	7.802	7.681	7.896	8.026	8.400	7.598	7.884	8.024	8.155	7.785	7.839	8.734	8.124	
1438496	a	at	Ddx26b	BM239943	Mm.72753	X	6.888	6.937	7.266	7.279	7.458	7.700	7.366	7.249	7.300	7.521	7.666	7.404	7.461	7.173	7.509	6.956	7.385	7.266	7.246	7.575	7.717	7.685	6.931	6.950
1438497	at	Mvnd8	BB474360	Mm.130610	3	7.409	6.903	7.495	7.319	7.130	7.215	7.388	7.111	7.144	7.161	7.072	7.152	7.154	7.125	7.410	7.403	7.118	7.288	7.363	7.508	7.206	6.995	7.550	7.363	
1438498	at	Zmvdn15	AI662455	Mm.472771	11	7.182	7.335	7.236	7.480	7.337	7.091	7.336	7.244	7.483	7.597	7.280	7.430	7.468	7.295	7.231	7.254	7.170	7.019	7.055	7.184	7.332	7.159	7.265	7.980	
1438499	at	P10002915Rik	BI407135	Mm.330409	2	5.988	5.594	5.846	5.651	5.845	5.776	5.911	5.983	5.861	5.732	5.949	5.836	5.810	5.702	5.710	5.657	5.903	6.044	5.885	5.966	5.881	5.798	6.099	5.701	
1438500	at	Lrrc3	BE954519	Mm.133060	6	6.178	6.024	5.964	6.177	6.073	5.963	6.131	6.161	6.135	5.852	6.145	5.912	5.954	6.042	6.109	5.782	6.136	6.048	6.001	5.961	6.325	6.083	6.119	6.291	
1438501	at	Rps17	BB209938	Mm.254530	2	6.314	6.496	6.150	6.267	6.340	6.477	6.518	6.217	6.078	6.254	6.387	6.205	6.348	6.237	6.146	6.049	6.359	6.048	6.024	6.316	6.024	6.316	6.024	6.316	
1438502	x	at	100040123	AA030209	NA	12	7.138	7.585	7.091	7.142	7.285	7.179	7.251	7.292	7.523	7.230	7.703	7.220	7.295	7.471	7.152	7.005	6.891	7.184	7.035	6.978	7.286	7.184	7.177	7.097
1438503	x	at	Edf1	AV102059	Mm.29945	2	11.571	11.657	11.507	11.588	11.639	11.398	11.549	11.833	11.625	11.529	11.527	11.898	11.572	11.410	11.545	11.389	11.744	11.741	11.528	11.515	11.710	11.879	11.555	11.375
1438504	x	at	Tm7f3	BB120486	Mm.278037	6	8.041	8.734	8.366	8.266	8.629	8.288	8.246	8.432	8.953	8.820	8.123	8.922	8.782	8.839	8.501	8.118	8.336	8.402	8.440	8.057	8.310	8.331	8.294	8.874
1438505	s	at	Rnasen	BB462178	Mm.293142	15	9.963	9.742	9.829	9.951	9.871	9.796	9.695	9.653	9.606	9.505	9.907	9.682	9.470	9.592	9.702	10.311	10.089	9.550	9.800	10.295	10.495	9.948	9.834	
1438506	s	at	Abi1	AV330821	Mm.205647	2	5.736	6.126	5.886	5.534	5.716	5.769	5.750	5.941	6.104	6.276	5.745	5.999	6.191	6.207	6.163	5.718	5.475	5.845	5.784	5.250	5.647	5.964	5.748	5.815
1438507	x	at	Rpl14	AV110879	Mm.289810	9	12.557	12.925	12.478	12.496	12.346	12.582	12.470	12.629	12.323	12.														

1438556	a	at	Tmod3	BB224629	Mm.38445	9	7.375	8.090	7.552	7.363	7.725	7.540	7.563	7.710	7.585	7.917	7.750	7.637	7.582	8.030	7.724	7.635	7.015	7.023	6.922	6.929	7.294	7.481	7.570	7.425
1438557	x	at	Dnep	BB553721	Mm.24680	1	11.691	11.819	11.440	11.711	11.717	11.497	11.652	11.950	12.049	11.819	11.723	12.108	11.957	11.632	11.747	11.277	11.993	11.940	11.647	11.559	12.071	12.041	11.635	11.421
1438558	x	at	Fox1	AV090267	Mm.44235	13	3.937	3.763	3.998	3.795	3.820	3.935	3.840	3.812	3.662	3.714	3.917	3.812	3.769	3.906	3.881	3.901	4.156	3.945	3.808	3.787	3.876	3.767	3.798	3.945
1438559	x	at	Slc44a2	BB145101	Mm.148425	9	9.245	9.859	9.614	9.254	10.052	9.936	9.388	8.921	10.402	10.567	9.564	10.244	10.318	10.116	10.104	9.243	8.970	9.340	9.975	9.315	9.303	9.093	9.381	9.405
1438560	x	at	Cot4	AV103196	Mm.296085	11	11.074	11.235	11.256	11.227	10.862	10.947	11.039	11.110	11.020	11.157	11.100	11.331	10.925	11.152	11.132	11.040	11.094	11.089	11.072	10.821	11.269	11.393	11.265	11.341
1438561	x	at	Tmem180	AB040326	Mm.159290	19	6.450	7.586	6.890	6.957	7.253	6.884	7.145	7.716	7.444	7.716	7.055	7.053	6.952	7.072	6.992	7.504	7.752	7.464	7.705	7.464	7.021	6.861	6.971	7.103
1438562	a	at	Ptm2	AV167543	Mm.260433	18	10.500	10.537	10.403	10.618	10.246	10.237	10.275	10.508	10.455	10.284	10.666	10.349	10.251	10.292	10.054	10.343	10.381	10.245	10.118	10.064	10.255	10.607	10.237	10.100
1438563	s	at	Mros24	AV069725	Mm.7328	11	10.641	10.361	10.495	10.561	10.326	10.444	10.527	10.867	10.124	10.100	10.033	10.555	10.184	9.965	10.257	10.351	11.273	11.124	10.553	10.601	10.959	11.354	10.469	10.545
1438564	at		Fancf	BM507943	Mm.210091	7	6.588	6.168	6.141	6.482	6.269	6.483	6.428	6.356	6.012	6.561	6.191	6.247	6.604	6.428	6.335	6.476	6.636	6.564	6.476	6.636	6.564	6.419	6.427	6.631
1438565	at		AB30010M20Rik	BB464727	Mm.261891	5	5.756	5.902	6.025	6.163	6.014	5.915	5.897	6.012	5.940	6.017	5.735	6.005	5.948	5.987	5.954	5.930	6.292	6.262	5.836	5.941	6.000	6.388	6.021	5.959
1438566	at		St8sia6	BB375081	Mm.330004	2	6.766	6.728	7.137	6.828	6.698	6.757	6.724	6.984	6.555	6.586	6.939	6.488	6.633	6.552	6.760	6.829	6.584	6.692	6.787	6.763	6.762	6.761	6.987	7.297
1438567	at		Vwa2	BB704902	Mm.129534	19	4.736	4.608	4.689	4.640	4.762	4.657	4.619	4.590	4.722	4.634	4.583	4.623	4.621	4.559	4.709	4.621	4.647	4.373	4.781	4.645	4.703	4.788	4.581	4.830
1438568	at		Mrapa	BB373312	Mm.183561	7	5.924	5.969	5.778	5.822	6.042	5.588	5.789	5.901	6.337	6.127	5.824	5.955	6.074	5.977	5.740	5.853	5.865	5.957	5.892	5.899	5.957	5.774	5.750	5.601
1438569	at		Ccdc8	AV254198	Mm.259642	10	4.612	4.502	4.491	4.570	4.556	4.565	4.522	4.411	4.471	4.273	4.560	4.303	4.438	4.544	4.432	4.505	4.473	4.674	4.533	4.641	4.444	4.637	4.653	4.430
1438570	at		Na	BE631083	NA	NA	5.566	5.309	5.282	5.528	5.313	5.369	5.406	5.378	5.248	5.200	5.443	5.131	5.262	5.294	5.242	5.606	5.353	5.362	5.495	5.384	5.273	5.315	5.494	5.238
1438571	at		Bub1	BB479886	Mm.2185	2	4.209	4.223	4.088	4.064	4.138	4.219	4.266	3.881	4.116	3.851	4.302	3.949	4.082	4.167	4.111	4.051	4.089	4.071	4.268	4.377	4.152	4.228	4.154	4.093
1438572	at		Csmd3	AV327842	Mm.309363	15	7.879	7.450	8.034	8.181	7.860	7.917	8.052	7.787	7.802	7.616	7.726	7.946	7.844	7.769	7.794	7.982	7.840	7.868	7.796	8.328	7.844	7.954	7.889	8.047
1438573	at		Rmi1	AV339477	Mm.85289	13	8.224	8.005	8.209	8.070	8.067	8.025	8.274	8.029	8.030	8.035	8.085	7.994	7.990	8.094	8.151	8.212	8.152	8.173	8.150	8.059	8.174	7.992	8.295	8.140
1438574	at		Gpr152	BB277104	Mm.131677	19	5.838	5.593	5.769	5.890	5.749	5.557	5.615	5.849	5.631	5.577	5.693	5.626	5.849	5.537	5.658	5.676	5.747	5.682	5.849	5.705	5.778	5.698	5.545	5.630
1438575	a	at	Na	BQ143413	NA	NA	5.269	5.177	5.495	4.564	4.472	4.803	4.495	5.035	4.737	4.721	4.229	4.651	5.294	5.056	4.632	5.374	4.615	4.540	4.406	4.567	4.748	4.713	4.488	4.532
1438576	x	at	Na	BQ143413	NA	NA	5.714	4.992	5.737	5.034	5.021	5.124	4.979	5.150	5.092	5.057	4.995	4.969	5.230	5.154	5.121	5.408	4.943	4.856	5.185	5.347	5.108	4.956	5.125	4.939
1438577	at		Na	BB376947	NA	NA	8.658	8.260	8.906	8.333	8.201	8.165	8.703	8.415	7.407	8.207	8.240	8.149	8.047	8.129	7.986	8.863	8.174	8.295	8.366	8.411	8.163	8.406	8.454	8.280
1438578	a	at	Btbd10	BQ064119	Mm.280304	7	9.037	9.615	8.988	8.813	9.141	8.940	8.974	9.286	9.149	8.284	9.564	9.196	9.173	9.305	9.102	8.915	8.693	8.804	8.742	8.550	8.811	8.992	8.800	8.537
1438579	at		Utp14b	BM213836	Mm.276016	1	8.492	8.252	8.235	8.385	8.316	8.258	8.372	8.360	8.214	8.267	8.404	8.209	8.219	8.419	8.262	8.386	8.159	8.266	8.245	8.494	8.344	8.237	8.368	8.310
1438580	at		Zcch18	BB018109	Mm.331576	4	7.133	6.894	7.269	6.895	6.977	7.123	7.076	6.874	7.174	7.137	6.718	7.067	6.958	6.999	6.947	7.218	6.824	6.935	6.879	7.069	6.961	7.136	7.035	6.946
1438581	at		Specn1	BB225953	Mm.27716	10	7.129	6.763	7.039	7.058	7.133	7.101	7.150	6.982	7.087	7.135	7.266	7.217	7.098	7.124	7.242	7.175	7.157	7.080	6.965	7.319	7.164	7.189	7.036	6.988
1438582	at		Enr1	BQ323434	Mm.27716	NA	6.330	6.612	6.733	6.376	6.762	6.739	6.621	6.329	6.613	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629	6.629
1438583	at		Enr1	BM237810	Mm.304093	10	7.129	6.763	7.039	7.058	7.133	7.101	7.150	6.982	7.087	7.135	7.266	7.217	7.098	7.124	7.242	7.175	7.157	7.080	6.965	7.319	7.164	7.189	7.036	6.988
1438584	at		4932411G14Rik	AV273470	Mm.444776	13	7.196	6.921	7.114	7.216	6.926	6.940	7.053	7.118	6.573	6.688	7.097	6.812	6.956	6.921	6.818	7.049	7.187	7.019	7.148	6.979	7.328	6.978	7.047	7.089
1438585	at		Syne2	BB667253	Mm.26652	12	6.795	7.148	6.913	7.189	7.253	7.348	7.011	7.101	6.874	6.955	6.788	7.281	7.012	7.077	7.088	7.055	7.392	7.062	6.955	6.783	6.929	7.050	7.147	6.885
1438586	at		Tbx22	BB539178	Mm.137011	X	4.881	4.782	5.167	4.873	4.934	5.128	5.177	4.819	4.986	4.855	5.072	4.606	4.804	4.907	5.310	4.986	4.888	4.856	5.347	5.130	4.967	4.588	4.911	4.926
1438587	at		4933417M04Rik	AV280853	Mm.611148	1	6.456	6.494	6.375	6.399	6.439	6.468	6.478	6.468	6.359	6.604	6.519	6.471	6.412	6.476	6.464	6.782	6.430	6.389	6.548	6.333	6.447	6.599	6.501	6.501
1438588	at		Plan1	BB540903	Mm.287857	10	7.235	7.108	7.147	7.160	7.079	6.998	7.021	7.141	7.401	7.110	7.196	6.990	7.134	7.209	7.152	7.098	7.319	7.118	7.209	6.932	6.851	7.134	7.142	7.033
1438589	at		Irsf1	BB023061	Mm.110505	X	7.341	7.143	7.184	7.276	7.168	7.356	7.290	7.634	7.391	6.932	7.562	7.245	7.403	7.266	7.285	7.003	7.316	7.162	7.379	7.243	7.259	7.065	7.306	7.197
1438590	at		Cas2	BB076300	Mm.21028	15	6.559	6.606	6.975	5.930	6.642	6.745	6.950	6.981	6.932	6.923	6.958	6.923	6.958	6.923	6.958	6.923	6.958	6.923	6.958	6.923	6.958	6.923	6.958	6.923
1438591	at		2610019A05Rik	AV318916	Mm.403722	11	6.652	6.548	6.818	6.621	6.618	7.107	6.533	6.693	6.700	6.572	6.188	6.654	6.610	6.447	6.606	6.732	6.431	6.507	6.648	6.785	6.494	6.822	6.566	6.555
1438592	at		Nek1	BB418199	Mm.116649	8	6.155	6.078	6.351	6.168	6.213	6.348	6.168	5.921	6.068	6.201	5.587	6.187	6.076	5.957	5.951	6.212	6.323	6.224	6.491	6.128	6.028	6.638	6.628	6.191
1438593	at		Na	BB369592	NA	NA	4.560	4.590	4.784	4.516	4.435	4.743	4.683	4.415	4.648	4.617	4.915	4.606	4.647	4.556	4.670	4.875	4.723	4.713	4.679	4.887	4.568	4.805	4.675	4.827
1438594	at		Na	AW047271	NA	NA	5.844	5.520	5.797	5.775	5.770	5.540	5.821	5.976	5.580	5.646	5.931	5.687	5.782	5.653	5.684	5.940	5.618	5.582	5.682	5.853	5.759	5.521	5.996	5.594
1438595	at		Gm546	AV266839	Mm.461157	17	8.089	7.950	8.162	8.124	8.059	8.072	8.068	8.116	7.911	8.085	8.212	7.995	7.987	8.093	8.123	8.101	8.222	8.100	8.146	8.082	8.058	7.972	7.953	8.090
1438596	at	</																												

1438645	x	at	Bace2	B8558905	Mm.97885	16	7.950	7.754	7.645	7.734	8.152	7.944	7.833	8.046	8.146	8.180	8.106	8.447	8.401	8.152	8.097	7.776	8.014	7.704	7.712	7.957	7.914	7.733	7.812	7.835	
1438646	x	at	B5210039O18Rik	B8326325	Mm.183076	4	9.679	10.297	9.786	9.932	9.711	9.819	9.899	9.860	9.666	9.917	9.496	10.143	9.978	10.053	9.688	9.812	9.563	9.694	9.637	9.334	9.765	9.523	9.798	9.581	
1438647	x	at	Cetn2	B8503830	Mm.24643	X	9.473	9.477	9.542	9.597	9.760	9.607	9.706	9.657	9.229	9.488	9.474	9.877	9.749	9.285	9.612	9.547	9.779	9.576	9.566	9.435	9.718	10.007	9.552	9.470	
1438648	x	at	1190003M12Rik	AV069898	Mm.46387	6	7.752	7.491	7.729	7.822	7.762	7.815	7.723	7.729	7.725	7.719	7.854	7.600	7.822	7.690	7.769	7.806	7.957	7.703	7.744	7.721	7.828	7.835	7.875	7.911	7.782
1438649	x	at	Pepln1	AV207950	Mm.135898	5	12.907	12.922	13.014	12.863	12.934	12.909	12.901	12.870	12.771	12.792	12.966	13.041	12.946	12.963	12.830	12.824	12.884	12.978	12.946	12.901	12.915	12.911	12.888	12.914	12.914
1438650	x	at	Gja1	AV330726	Mm.378921	10	12.997	12.975	13.090	13.091	12.835	13.063	13.066	12.585	12.953	13.025	12.553	12.943	12.981	12.852	12.881	12.907	12.812	13.014	13.001	13.001	12.673	12.795	12.908	12.770	12.910
1438651	a	at	Ap1nr	B8483557	Mm.29368	2	8.698	10.744	9.638	10.355	10.792	10.426	10.563	10.697	10.938	11.189	11.118	11.494	11.504	11.772	11.330	9.632	10.413	10.643	10.635	10.942	10.444	10.300	9.861	9.501	
1438652	x	at	P1oq	B8546727	Mm.362054	17	10.585	11.153	10.584	10.496	10.781	10.560	10.696	10.735	10.955	10.830	10.612	11.087	10.735	10.859	10.643	10.488	10.531	10.682	10.648	10.400	10.487	10.513	10.381	10.443	
1438653	x	at	Atxn10	AV309164	Mm.248906	15	12.746	13.300	12.837	12.718	13.053	12.837	12.797	12.739	13.584	13.582	12.938	13.287	13.120	13.228	13.075	12.876	12.583	12.664	12.803	12.707	12.512	12.521	12.677	12.574	
1438654	x	at	Mmd2	AV269411	Mm.48712	5	5.725	5.469	5.753	5.566	5.440	5.334	5.498	5.515	5.653	5.412	5.573	5.466	5.505	5.616	5.504	5.434	5.540	5.430	5.357	5.483	5.669	5.613	5.591	5.508	
1438655	a	at	Rpl34	AV057789	Mm.140568	3	12.561	13.177	12.561	12.611	12.819	12.712	12.516	13.148	13.233	13.000	12.803	13.072	12.920	13.315	12.901	12.410	12.990	12.974	12.662	12.663	12.924	13.168	12.384	12.361	
1438656	x	at	Timm17b	AV157500	Mm.27399	X	10.418	10.766	10.298	10.238	10.277	10.156	10.188	10.543	10.851	10.544	10.221	10.525	10.316	10.268	10.102	10.148	10.751	10.588	10.210	10.143	10.576	10.694	10.105	9.937	
1438657	x	at	Ptp4a1	B8043450	Mm.475957	1	13.291	13.075	13.249	12.914	12.927	13.062	13.176	12.896	12.938	13.138	13.130	12.900	12.902	13.057	13.140	13.128	12.905	12.903	13.124	12.920	12.955	12.970	13.331	13.094	
1438658	a	at	Slor3	AV238324	Mm.136736	13	9.976	10.229	10.133	10.425	9.936	10.518	10.504	10.136	9.764	9.659	10.250	9.480	9.439	10.345	9.456	10.346	10.286	10.331	10.310	10.164	9.547	9.939	10.024	9.737	
1438659	x	at	Chchd6	B8458460	Mm.20313	6	7.582	8.456	7.546	7.651	8.066	7.743	7.758	8.672	8.481	8.092	7.823	8.489	8.066	7.820	7.759	7.241	8.297	8.308	7.937	7.371	7.994	8.448	7.494	7.401	
1438660	at		Ccnt2	BM239196	Mm.314757	13	8.038	7.833	8.089	8.023	8.020	7.951	7.929	7.931	7.994	7.855	8.220	7.879	7.960	7.909	7.817	8.072	7.944	7.885	8.086	7.797	7.857	8.061	8.081	8.393	
1438661	a	at	Art2	AV023312	Mm.5061	11	4.728	4.821	4.533	4.536	4.536	4.346	4.508	4.509	4.571	4.747	4.485	4.445	4.487	4.569	4.544	4.390	4.471	4.498	4.471	4.187	4.552	4.495	4.344	4.439	
1438662	at		Alap1	AV123234	Mm.318874	4	5.451	4.926	5.154	5.106	5.127	5.112	5.075	5.330	5.078	4.931	5.035	5.052	5.216	5.073	5.074	5.275	5.067	5.092	5.119	5.191	5.265	5.257	5.098	5.192	
1438663	at		Btd2	BF730196	Mm.245446	1	8.934	8.766	8.879	8.843	8.893	9.107	8.866	8.220	8.681	8.962	8.707	8.621	8.713	9.074	8.932	9.058	8.286	8.383	8.830	8.781	8.390	8.284	9.062	9.054	
1438664	at		Pkr2b	BM216074	Mm.25594	12	4.896	5.507	4.988	5.051	5.002	5.284	5.135	4.808	6.042	5.990	4.618	5.023	4.986	5.117	5.095	4.917	4.598	4.798	5.097	4.834	4.858	5.173	4.941	4.955	
1438665	at		Samd3	BF456582	Mm.23298	8	5.601	5.404	5.632	5.732	5.535	5.674	5.502	5.435	5.544	5.637	5.565	5.534	5.405	5.487	5.511	5.660	5.591	5.539	5.446	5.575	5.747	5.488	5.572	5.649	
1438666	at		Ldlrad3	B8534423	Mm.475700	2	7.736	7.958	7.826	7.979	8.050	8.890	8.073	7.453	8.097	8.449	8.096	8.218	8.229	8.368	8.630	8.096	7.017	7.702	8.011	8.035	7.346	7.116	8.012	8.136	
1438667	at		573041E15Rik	BM009277	Mm.207715	15	8.134	8.143	8.518	9.053	8.418	8.365	8.875	8.467	8.055	8.326	8.512	8.741	8.768	8.600	8.515	8.563	9.019	9.172	8.967	9.092	8.636	8.677	8.809	8.399	
1438668	x	at	Atxn21	BF143806	Mm.231450	7	9.330	9.414	9.044	9.271	9.471	8.952	8.934	9.301	9.462	9.306	9.221	9.477	9.436	9.267	9.109	9.064	9.389	9.170	8.947	9.203	9.155	9.671	9.122	8.855	
1438669	at		Wdr40a	BF735632	Mm.28891	4	9.751	10.011	10.002	10.007	9.933	9.995	9.830	9.720	10.055	10.149	9.827	10.027	9.868	10.153	10.161	10.046	9.707	9.687	9.809	9.754	9.788	10.012	10.078	10.088	
1438670	at		Ptpn1	B8509334	Mm.277916	2	9.134	9.429	8.907	9.035	9.325	8.993	9.024	9.228	9.424	9.120	9.248	9.138	8.984	9.177	8.951	9.006	9.061	8.917	9.073	9.157	9.157	9.157	8.948	8.948	
1438671	at		Ppp1r2c	Mm.221353	Mm.322892	5	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	5.181	
1438672	at		Parv1	B8134382	Mm.323892	1	10.986	10.996	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	10.986	
1438673	at		Slc4a7	AW555578	Mm.258893	14	9.095	9.128	9.072	9.031	9.013	9.336	9.331	8.956	8.955	9.201	9.120	8.952	9.090	9.222	9.141	9.261	9.078	8.992	9.178	9.165	9.036	9.135	9.291	9.305	
1438674	a	at	Sfrs8	B8276620	Mm.288714	5	7.453	7.429	7.452	7.493	7.629	7.528	7.197	7.088	7.427	7.297	7.002	7.429	7.536	7.222	7.405	7.586	7.043	7.351	7.414	7.446	7.204	7.305	7.319	7.515	
1438675	at		Sfrs8	B8276628	Mm.288714	5	6.980	7.042	7.453	7.353	7.282	7.459	7.236	6.952	7.100	7.170	6.889	7.186	7.300	7.142	7.331	7.254	7.061	7.184	7.384	7.358	7.162	7.562	7.229	7.550	
1438676	at		Mpa2l	BM241485	Mm.475989	5	9.202	7.195	9.493	8.617	8.286	7.479	11.498	7.548	7.292	8.182	7.627	7.125	6.785	6.502	7.237	9.540	7.624	7.557	7.688	7.241	8.433	8.081	8.200	8.402	
1438677	at		Pkp4	AW764208	Mm.269677	2	10.158	10.072	10.017	10.146	10.259	10.200	9.986	10.393	9.802	9.957	9.998	10.334	10.141	9.689	10.286	10.271	10.526	10.392	10.212	10.350	10.141	10.857	10.618	10.474	
1438678	at		1500011K16Rik	AV154001	Mm.27359	2	10.629	10.634	10.264	10.521	10.647	10.314	10.671	11.143	10.544	10.992	10.257	10.674	10.397	9.958	9.984	10.084	11.187	11.031	10.298	10.243	10.964	11.141	10.141	10.049	
1438679	at		Pik3r1	AV184052	Mm.232177	12	5.474	6.494	6.682	5.660	6.300	6.630	6.576	6.566	6.572	6.465	6.376	6.623	6.390	6.452	6.602	6.590	6.607	6.596	6.576	6.576	6.576	6.576	6.576	6.576	
1438680	at		Aut2	B8429147	Mm.389695	5	8.333	8.349	8.188	8.537	8.641	8.437	8.477	8.360	8.395	8.662	8.531	8.581	8.654	8.446	8.449	8.405	8.416	8.532	8.789	8.643	8.389	8.152	8.538	8.538	
1438681	at		Alkbh1	AV336625	Mm.26840	12	7.720	7.707	7.804	7.764	7.799	7.883	7.833	7.646	7.828	7.774	7.870	7.733	7.744	7.882	7.800	7.804	7.882	7.791	7.944	8.008	7.776	7.921	8.081	8.081	
1438682	at		Pik3r1	B8426164	Mm.259333	13	11.572	10.859	11.948	11.569	11.322	11.854	11.536	10.950	10.199	10.870	10.870	10.888	11.517	11.992	10.801	11.239	11.559	11.652	11.569	11.736	12.315	12.181	12.181	12.181	
1438683	at		Wasf2	BM23566	Mm.23566	4	9.439	9.701	8.948	9.367	9.652	9.390	9.209	9.556	10.086	9.655	9.485	9.396	9.647	9.462	9.737	9.201	9.373	9.231	9.221	9.273	9.433	9.530	9.853	9.469	
1438684	at		Z																												

1438734	at	A530016L24Rik	BB2227214	Mm.185209	12	5.440	5.020	5.453	5.533	5.086	5.227	5.027	5.154	5.049	4.988	4.917	4.969	5.003	4.777	5.308	5.746	5.418	5.522	5.525	5.386	5.208	5.318	5.267		
1438735	at	Rsf1	BB053418	Mm.439834	7	8.939	8.993	9.117	8.982	9.005	8.973	9.024	9.081	8.805	8.840	8.928	8.887	8.981	8.793	8.964	8.937	9.221	9.107	8.977	8.947	9.091	9.272	9.015	9.155	
1438736	at	Thoc2	BB703762	Mm.259498	X	9.161	9.233	8.794	8.815	9.015	8.854	8.785	9.350	8.971	8.952	8.915	9.197	9.041	8.738	8.976	8.927	9.485	9.093	8.924	8.784	8.994	9.458	8.766	8.748	
1438737	at	Zic3	AV029604	Mm.255980	X	3.776	3.810	3.862	3.884	3.853	3.881	3.635	3.718	3.533	3.763	3.812	3.694	3.783	3.851	3.673	3.807	3.805	3.831	3.852	3.790	3.817	3.754	3.749	3.736	
1438738	at	NA	BC063531	NA	NA	6.132	5.264	6.040	6.196	5.953	6.200	6.142	6.234	6.140	6.049	5.935	6.080	6.135	6.011	6.246	6.069	6.285	6.184	6.228	6.147	6.054	6.281	6.142	5.997	
1438739	at	NA	BM237919	NA	NA	9.237	8.791	8.996	8.848	8.508	9.165	8.906	8.594	8.372	8.466	8.122	8.452	8.405	8.473	8.701	9.073	8.933	8.858	8.875	9.132	8.869	8.891	1.165	8.918	
1438740	at	Nm12	AV167182	Mm.65021	2	7.385	7.860	7.161	7.323	7.342	7.262	7.290	7.528	8.426	8.245	7.842	7.827	7.575	7.690	7.593	7.147	6.823	6.893	7.119	7.039	7.162	7.105	7.399	7.403	
1438741	at	BC019943	BB251141	Mm.349800	8	6.827	6.267	6.697	6.683	6.594	6.464	6.790	6.645	6.547	6.385	6.682	6.595	6.496	6.667	6.506	6.540	6.527	6.265	6.690	6.512	6.619	6.675	6.667	6.719	
1438742	at	Zfp629	BB744909	Mm.156718	7	5.564	5.384	5.419	5.581	5.396	5.501	5.582	5.666	5.385	5.387	5.454	5.283	5.607	5.379	5.459	5.393	5.752	5.528	5.527	5.634	5.601	5.836	5.528	5.341	
1438743	at	Cyp7a1	BB667338	Mm.57029	4	6.800	6.467	6.879	6.938	6.608	6.726	6.918	6.777	6.623	6.658	6.612	6.585	6.685	6.738	6.819	6.828	6.704	6.983	6.570	6.873	6.940	6.676	6.877	7.159	
1438744	at	Asb7	BB408412	Mm.344785	7	8.548	8.706	8.630	8.763	8.628	8.626	8.677	8.808	8.772	8.874	8.468	8.800	8.764	8.711	8.751	8.863	8.864	8.809	8.756	8.625	8.567	8.807	8.469	8.500	
1438745	at	NA	AV046468	Mm.391806	8	6.258	6.006	5.986	6.114	6.233	5.693	5.749	6.196	5.836	5.717	6.018	6.086	6.154	5.977	5.780	5.929	5.973	6.017	6.039	5.975	6.267	6.539	6.080	5.976	
1438746	at	AS30058N16Rik	BB253959	Mm.330469	2	3.738	3.924	3.707	3.733	3.759	3.934	3.933	3.763	3.739	3.732	3.682	3.639	3.637	3.623	3.756	3.761	3.715	3.731	3.737	3.685	3.719	3.643	3.859	3.837	
1438747	at	EN33006K02Rik	BF020563	Mm.387130	16	6.668	6.610	6.602	6.765	6.647	6.815	6.497	7.141	6.961	6.781	6.683	6.549	6.744	6.868	6.808	6.685	6.588	6.989	6.717	6.872	6.585	7.036	6.699	6.632	
1438748	at	Z700078E11Rik	BB410295	Mm.259026	19	5.203	5.386	5.543	5.414	5.077	5.189	5.310	5.264	5.331	5.295	5.505	5.289	5.582	5.398	5.449	5.595	5.429	5.456	5.267	5.315	5.391	5.678	5.493	5.594	
1438749	at	Fuz	BB309119	Mm.276298	7	6.088	6.047	6.126	6.053	6.105	5.930	6.152	6.342	6.099	6.050	6.105	6.093	6.103	6.061	6.163	6.160	6.107	6.349	6.189	6.108	6.282	6.009	6.275	6.182	
1438750	at	Atrx	BB425841	Mm.10141	X	5.880	6.369	6.088	6.072	5.769	5.919	6.338	6.239	6.128	6.414	5.881	5.850	6.045	6.290	6.092	6.139	5.745	5.768	6.232	5.969	5.862	6.178	6.148	5.678	
1438751	at	Slc30a10	BB736474	Mm.227117	1	5.553	5.322	5.589	5.299	5.333	5.480	5.764	5.497	5.493	5.515	5.477	5.307	5.059	5.351	5.556	5.412	5.592	5.648	5.636	5.645	5.850	5.634	5.812	5.691	
1438752	at	A230058F20Rik	AV327739	Mm.448847	X	5.726	6.039	5.731	5.560	6.485	5.629	5.719	5.610	7.046	6.437	5.687	6.489	6.322	6.066	6.093	5.566	5.509	5.614	5.666	5.817	5.788	5.490	5.631	5.247	
1438753	at	NA	BB280815	NA	NA	8.566	8.511	8.543	8.687	8.584	8.513	8.519	8.783	8.654	8.568	8.736	8.607	8.663	8.579	8.599	8.605	8.628	8.544	8.617	8.495	8.651	8.499	8.484	8.505	
1438754	at	NA	AV372127	NA	NA	5.489	5.523	5.674	5.692	5.598	5.567	5.413	5.738	5.740	5.684	5.576	5.611	5.763	5.434	5.770	5.429	5.683	5.726	5.680	5.697	5.542	5.643	5.523	5.508	
1438755	at	CK0068	BB327213	Mm.449843	12	7.209	7.109	7.281	7.684	7.686	7.644	7.487	7.553	7.426	7.460	7.293	7.539	7.645	7.565	7.628	7.698	7.550	7.801	7.532	7.643	7.525	7.606	7.805	7.454	
1438756	at	Ankrd29	AV370837	Mm.53865	18	6.015	6.150	6.264	5.952	5.980	6.313	6.301	6.200	5.980	6.053	5.917	6.197	6.148	5.787	6.003	6.198	6.719	6.532	6.325	6.411	6.282	6.408	6.307	5.944	
1438757	at	C130069I09Rik	BM240956	Mm.129275	7	4.937	5.287	4.994	5.077	5.087	4.922	5.058	5.225	4.954	5.016	4.973	4.922	5.130	4.922	4.791	4.793	5.037	4.841	4.973	5.093	4.899	5.127	4.971	4.821	
1438758	at	Adi1	UA046270	Mm.291504	12	9.661	9.377	9.906	10.164	8.414	9.978	9.760	9.182	8.467	8.373	8.568	9.219	9.336	9.478	8.428	9.757	8.725	8.631	8.656	8.638	8.705	8.716	8.907	8.654	
1438759	x	at	UA046270	Mm.291504	12	10.633	10.272	10.771	10.949	10.236	10.760	10.684	10.212	9.922	10.066	9.970	10.224	10.349	10.393	10.106	10.697	10.343	10.207	10.301	10.366	10.400	10.259	10.395	10.440	
1438760	x	at	NA	BM247633	3	11.239	11.239	11.040	11.040	11.231	11.705	11.651	11.205	11.747	11.083	11.240	11.083	11.226	11.487	11.093	11.266	11.393	11.062	10.862	10.821	10.862	10.831	10.862	10.862	
1438761	at	EG666231	CB112657	Mm.361698	5	11.152	10.611	1.206	11.085	11.234	11.954	11.359	11.592	11.677	11.826	12.156	11.677	11.722	11.374	11.361	11.264	11.121	11.121	11.121	11.174	11.174	11.134	11.030	11.146	10.807
1438762	at	NA	AI604411	NA	NA	7.540	7.590	7.720	7.581	7.511	7.646	7.660	7.612	7.468	7.706	7.562	7.807	7.722	7.580	8.019	7.639	7.567	7.611	7.440	7.538	7.557	7.804	7.663	7.563	
1438763	at	Dnahc2	BB016751	Mm.247478	11	5.755	5.376	5.160	5.622	5.396	5.300	5.652	5.440	5.476	5.415	5.388	5.363	5.303	5.429	5.404	5.232	5.507	5.340	5.465	5.323	5.375	5.337	5.411	5.349	
1438764	at	Anxa7	AV333182	Mm.280231	14	8.492	8.481	8.586	8.470	8.472	8.478	8.457	8.232	8.353	8.550	8.919	8.477	8.560	8.542	8.618	8.548	8.301	8.386	8.316	8.399	8.309	8.459	8.560	8.414	
1438765	at	Dhx37	BB667230	Mm.35399	11	6.681	6.467	6.337	6.454	6.562	6.394	6.392	6.406	6.528	6.403	6.678	6.536	6.417	6.474	6.398	6.370	6.545	6.448	6.388	6.406	6.352	6.379	6.554	6.330	
1438766	at	Pncr2	AV001197	Mm.29159	4	7.112	7.142	6.963	6.954	6.906	7.253	7.093	7.091	6.921	7.164	6.913	6.899	6.939	7.032	7.220	7.279	7.006	6.998	7.427	7.267	7.105	7.107	7.308	6.850	
1438767	at	Osm	BB237825	Mm.131422	11	7.186	7.373	7.286	7.244	7.385	7.312	7.339	7.357	7.466	7.439	6.991	7.379	7.618	7.459	7.277	7.297	7.277	7.410	7.334	7.362	7.251	7.164	7.415	7.491	
1438768	at	665225	BB324128	Mm.421228	7	6.266	6.266	7.503	6.465	6.204	6.935	6.135	6.245	6.987	6.135	6.044	6.103	6.103	6.338	6.402	6.158	6.337	6.431	6.348	6.348	6.348	6.348	6.348	6.348	
1438769	a	at	Thy11	BF197666	Mm.16925	9	8.572	8.475	8.477	7.977	8.094	8.359	8.252	8.226	7.811	7.783	8.208	8.095	7.849	8.494	7.956	8.435	8.107	8.141	8.252	8.336	8.108	7.959	8.038	8.196
1438770	at	Gm266	BE981159	Mm.81916	12	5.822	5.772	5.784	5.850	5.783	5.567	5.781	5.914	5.816	5.392	6.054	5.774	5.748	6.001	5.494	5.749	5.768	5.488	5.682	5.948	5.744	5.677	5.673	5.646	
1438771	at	Brd1	AA930693	Mm.254438	15	9.423	9.354	9.240	9.373	9.494	9.328	9.099	9.377	9.274	8.979	9.265	9.344	9.318	9.049	9.288	9.236	9.573	9.279	9.257	9.233	9.349	9.663	9.314	9.219	
1438772	at	Zfp367	BB227141	Mm.300065	13	5.044	4.895	5.219	5.148	5.077	5.090	5.044	5.125	5.163	4.960	5.247	4.912	5.128	5.130	5.180	5.223	5.052	5.131	5.256	5.197	4.995	5.164	5.276	5.251	
1438773	at	Stamp2	BB817972	Mm.274956	5	3.999	4.402	4.027	3.965	4.031	4.067	4.091	4.078	4.693	4.461	4.042	4.059	4.318	4.176	4.127	4.016	3.935	3.908	3.969	4.176	3.966	4.023	3.960	3.896	
1438774	s	at	Pgm211	AV0702170	Mm.440524	7	4.957	4.877	5.151	4.984	5.225	5.247	5.158	5.106	5.095	5.049	5.178	5.254	4.965											

1438823	at	NA	BB202672	NA	NA	6.328	6.285	6.333	6.394	6.254	6.423	6.316	6.320	6.166	6.249	6.380	6.208	6.068	6.225	6.233	6.308	6.392	6.405	6.291	6.446	6.295	6.579	6.347
1438824	at	Slc20a1	BB465699	Mm.272675	2	7.618	8.134	7.212	6.912	7.259	7.126	7.147	7.703	8.237	8.245	7.946	8.329	8.169	7.058	6.834	6.409	6.392	6.645	6.932	6.731	7.158	6.871	7.112
1438825	at	Calm3	AV047570	Mm.288630	7	5.732	5.403	6.309	5.492	5.459	6.231	6.181	5.222	5.289	5.763	6.075	5.580	5.570	5.746	6.471	6.399	5.491	6.204	6.364	6.714	5.585	5.289	5.924
1438826	x at	Calm3	AV047570	Mm.288630	7	6.929	6.900	7.151	6.701	6.940	6.815	7.262	7.078	6.927	7.160	7.078	6.908	6.715	6.953	6.983	7.079	6.930	7.036	6.943	7.148	6.760	6.904	6.875
1438827	at	Gls	BB581909	Mm.440455	1	6.594	6.423	6.686	6.754	6.498	6.619	6.715	6.920	6.414	6.331	6.727	6.652	6.550	6.648	6.570	6.779	6.872	6.908	6.745	6.837	6.694	6.872	6.574
1438828	at	Rnfl6f6	BM243959	Mm.254404	7	7.388	7.258	7.362	7.339	7.145	7.453	7.343	6.938	6.984	7.187	6.937	6.962	7.092	7.160	7.382	7.462	7.453	7.403	7.293	7.601	7.454	7.388	7.288
1438829	at	Rnf165	BB801060	Mm.23293	18	9.024	8.872	9.103	8.964	8.839	9.050	9.022	8.926	8.720	8.811	9.047	8.902	8.686	8.940	9.052	9.144	8.873	8.938	9.003	9.157	8.829	8.783	9.072
1438830	at	ENSUSG000000	AV555368	Mm.401677	17	7.211	6.876	7.185	7.201	7.137	7.150	7.205	7.131	7.164	7.031	7.194	7.062	7.178	7.143	7.093	7.210	7.110	7.023	7.095	7.309	7.245	7.041	7.225
1438831	at	Ckrks	BB208315	Mm.260516	11	7.653	7.474	7.302	7.437	7.380	7.583	7.482	7.398	7.560	7.500	7.633	7.532	7.234	7.409	7.520	7.388	6.938	7.417	7.443	7.344	7.455	7.233	7.270
1438832	x at	Dhx30	BB461484	Mm.276305	9	8.481	8.563	8.481	8.393	8.404	8.449	8.493	8.639	8.318	8.273	8.415	8.487	8.226	8.351	8.344	8.339	8.911	8.848	8.615	8.409	8.703	8.877	8.542
1438833	at	Casc5	BB818947	Mm.202518	2	3.989	5.213	3.892	3.931	4.291	4.066	4.022	5.028	4.838	4.571	4.929	4.081	4.278	4.923	4.699	4.002	4.006	4.175	4.153	3.846	4.040	4.277	3.977
1438834	at	Mspod2	BB454345	Mm.476082	X	5.783	5.658	5.956	5.954	5.778	5.908	5.950	5.901	5.750	6.339	5.902	6.009	5.978	6.142	6.141	5.996	6.193	5.974	6.161	6.249	6.340	6.285	
1438835	a at	Eftud2	BB315355	Mm.873	11	9.595	10.318	9.487	9.757	9.919	9.850	9.665	9.557	10.002	9.861	9.729	9.864	9.910	10.106	9.631	9.561	9.580	9.785	9.825	9.661	9.93	9.540	
1438836	at	Eftud2	BB315355	Mm.873	11	8.266	8.007	8.232	8.259	8.113	8.072	8.138	8.228	8.048	7.932	8.900	7.945	7.993	7.989	8.155	8.020	7.970	7.958	8.049	8.159	8.185	8.056	8.170
1438837	at	NA	BB196765	NA	NA	5.583	5.834	5.717	5.822	5.825	5.852	5.819	5.919	5.928	5.805	5.955	5.861	5.823	5.936	5.920	5.915	5.865	5.946	5.886	5.929	5.833	5.868	
1438838	at	B230206F2Rik	BG141977	Mm.259724	X	4.842	4.927	4.911	4.908	4.874	5.119	5.047	4.806	4.814	4.999	4.835	4.903	4.936	4.908	4.929	5.019	4.962	5.057	4.933	4.879	5.027	5.136	
1438839	a at	Ywhae	BB106523	Mm.234700	11	13.277	13.483	13.245	13.390	13.244	13.402	13.199	12.822	13.236	13.219	13.241	12.988	13.118	13.250	13.107	13.293	12.989	13.122	13.208	13.200	13.186	12.787	
1438840	x at	Apoa1	AI527359	Mm.26743	9	6.078	6.089	6.274	6.379	6.263	6.022	5.967	6.321	6.171	6.031	6.199	6.063	6.101	6.167	6.201	6.067	6.083	6.257	6.149	6.162	6.089	6.049	
1438841	s at	Vii1b	AV002218	Mm.265929	12	4.278	4.351	4.180	4.150	4.269	4.185	4.044	4.327	4.270	4.282	4.222	4.098	4.261	4.372	4.245	4.161	4.156	4.064	4.200	4.224	4.310	4.283	
1438842	at	Mtch2	AV067008	Mm.28023	2	7.153	6.811	6.737	7.034	6.964	6.833	6.956	6.886	6.966	6.850	6.849	6.998	6.923	7.005	6.697	7.018	6.608	6.880	7.001	6.948	7.208	7.458	
1438843	x at	Mtch2	AV067008	Mm.28023	2	11.468	11.336	11.532	11.582	11.381	11.565	11.604	11.234	11.225	11.161	11.388	11.343	11.377	11.488	11.501	11.166	11.342	11.530	11.675	11.626	11.550	11.156	
1438844	x at	Spoat5	BB819052	Mm.172679	3	6.760	7.033	6.694	6.864	6.751	6.775	7.002	6.816	6.719	7.119	7.160	6.949	7.038	6.829	6.758	7.026	6.848	6.810	6.670	6.869	7.012	7.179	
1438845	at	Ihpk1	BB000927	Mm.276155	9	5.129	5.013	5.283	5.346	5.065	4.894	5.268	5.012	5.137	5.182	5.249	4.879	5.087	4.950	5.180	5.290	5.411	5.119	5.215	5.398	5.273	5.097	
1438846	x at	Ihpk1	BB000927	Mm.276155	9	4.726	4.575	4.632	4.648	4.622	4.699	4.702	4.616	4.533	4.534	4.648	4.687	4.651	4.522	4.708	4.658	4.711	4.722	4.849	4.754	4.607	4.508	
1438847	at	Mxd3	BB836571	Mm.20350	13	6.240	7.910	6.252	6.263	6.555	6.332	6.535	7.590	7.424	7.219	7.101	6.879	6.647	7.335	7.006	6.134	6.135	6.424	6.329	6.048	6.291	6.478	
1438848	at	NA	BB312184	NA	NA	6.846	6.841	6.596	6.824	6.687	6.929	6.758	6.721	6.877	6.878	6.611	6.839	5.950	5.785	6.932	6.862	7.140	6.774	6.881	7.010	6.794	6.955	
1438849	at	NA	BB314659	Mm.289441	15	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780
1438850	at	Cldn1	BB210472	Mm.289441	16	4.097	4.025	4.158	4.265	4.089	4.057	4.171	4.300	4.132	4.139	4.378	4.062	4.324	4.236	4.232	4.320	4.037	4.354	4.232	4.179	4.324	4.469	
1438851	x at	Cldn1	BB210472	Mm.289441	16	4.522	4.107	4.333	3.927	4.069	4.294	4.169	4.086	4.185	3.977	4.186	3.920	4.123	4.278	4.086	3.989	3.904	4.024	4.168	4.355	4.375	4.021	
1438852	x at	Mcm6	BB094947	Mm.4933	1	6.101	3.990	6.163	6.475	7.784	7.592	7.140	8.371	7.137	7.084	7.336	7.082	7.093	8.897	6.479	6.309	5.011	5.001	5.565	4.970	5.391	6.167	
1438853	x at	Ddx54	BB463580	Mm.24495	5	9.248	9.757	9.253	9.440	9.483	9.251	9.218	9.489	9.603	9.432	9.432	9.316	9.353	9.613	9.288	9.208	9.554	9.353	9.373	9.086	9.421	9.506	
1438854	x at	Pitonn1	BB095454	Mm.1860	19	7.486	7.573	7.331	7.358	7.444	7.324	7.388	7.338	7.448	7.408	7.407	7.669	7.474	7.240	7.389	7.228	7.412	7.387	7.408	7.286	7.307	7.382	
1438855	x at	Tnfrp2	BB233088	Mm.255332	12	9.619	10.052	9.526	9.357	9.453	9.371	9.500	9.342	9.664	9.709	10.111	9.348	9.200	9.720	9.241	9.528	9.985	10.409	10.189	9.818	9.931	9.921	
1438856	x at	Serpinb5	BB233088	Mm.268618	1	5.684	5.259	5.381	5.219	5.329	5.388	5.430	5.114	4.896	5.151	5.457	5.036	5.369	5.276	5.504	5.497	5.146	5.576	5.541	5.887	5.490	5.280	
1438857	at	NA	BB054132	Mm.38241	X	7.379	6.135	7.552	5.929	6.404	7.329	5.599	6.834	6.226	5.450	6.132	6.720	5.942	6.041	7.957	6.320	6.595	6.320	6.342	6.762	7.028	7.154	
1438858	x at	H2-A	AV018727	Mm.235338	17	10.266	11.288	9.702	10.385	11.885	11.049	11.836	10.842	11.799	11.584	10.790	12.123	11.957	11.794	11.828	9.676	10.679	10.636	10.175	10.434	11.234	11.011	
1438859	x at	Rps29	AV037157	Mm.379006	12	14.340	14.388	14.216	14.287	14.328	14.257	14.279	14.466	14.430	14.380	14.234	14.373	14.360	14.309	14.254	14.158	14.471	14.342	14.204	14.176	14.144	14.549	
1438860	a at	Slc44a2	BB478892	Mm.184825	9	7.127	7.100	7.095	7.082	7.324	7.216	7.132	7.295	7.479	7.487	7.005	7.301	7.499	7.217	7.187	7.001	7.252	7.102	7.290	7.052	7.065	7.118	
1438861	at	Bnc2	BB482899	Mm.190774	4	7.433	8.547	7.121	7.441	8.273	7.412	7.342	7.685	9.034	8.442	8.091	8.061	8.701	8.683	7.823	7.238	7.122	7.056	7.293	7.331	6.735	7.185	
1438862	at	A630005I04Rik	BB227434	Mm.441560	7	6.348	6.348	6.339	6.167	6.239	6.054	6.224	6.315	6.923	6.821	6.471	6.185	6.210	6.070	6.016	5.530	6.118	6.156	6.311	5.848	6.120	6.066	
1438863	at	AS30079E2Rik	BB667362	Mm.445691	1	6.320	6.173	5.961	6.046	6.203	6.313	6.157	6.268	6.355	6.212	6.340	6.136	6.146	6.101	6.241	5.831	6.057	6.008	6.234	6.168	6.169	6.133	
1438864	at	NA	BB312777	Mm.289441	NA	8.501	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	8.780	
1438865	at	H13	AV307275	Mm.277327	2	2.267	7.311	7.181	1.165	7.358	7.209	7.174	7.142	7.342	7.122	7.176	7.242	7.254	7.276	7.292	7.276	7.292	7.276	7.292	7.276	7.292	7.276	
1438866																												

1438912	at	Hdqfrp2	AW322533	Mm.279188	17	7.792	7.507	7.737	7.733	7.684	7.676	7.815	7.511	7.651	7.460	7.790	7.703	7.730	7.494	7.701	7.810	7.703	7.771	7.739	7.858	7.764	7.556	7.969	7.622	
1438913	x	at	Hdqfrp2	AW322533	Mm.279188	17	8.099	8.184	8.115	8.205	8.057	8.186	8.060	8.165	7.900	8.055	7.886	8.265	7.935	7.942	8.147	8.156	8.060	8.339	8.141	8.288	8.146	8.060	8.297	8.097
1438914	at	Ppp2r5a	AW741731	Mm.205569	1	5.591	5.339	5.536	5.425	5.540	5.508	5.619	5.504	5.405	5.236	5.478	5.430	5.445	5.568	5.321	5.563	5.469	5.692	5.503	5.439	5.754	5.537	5.696	5.555	
1438915	at	AI452037	Mm.336056	X	5	5.728	5.166	5.890	5.805	5.683	5.505	5.728	5.523	5.446	5.324	5.622	5.737	5.643	5.461	5.696	5.833	5.753	5.689	5.760	5.934	5.809	5.897	6.000	5.840	
1438916	x	at	G720401G13Rik	AI452037	Mm.336056	X	5.736	5.233	5.756	5.773	5.676	5.740	5.755	5.465	5.390	5.535	5.539	5.615	5.469	5.456	5.524	5.875	5.987	5.682	5.731	5.688	5.964	5.934	5.797	
1438917	x	at	Nupg2	AV206411	Mm.326565	7	7.201	10.107	9.433	9.367	9.278	9.307	9.245	9.585	9.244	9.863	9.449	8.895	9.722	9.486	9.851	9.110	9.284	9.344	9.385	9.359	9.359	9.294		
1438918	at	Fdfr1	BB357366	Mm.474432	14	6.850	6.241	6.908	6.770	6.809	6.685	6.746	6.670	7.015	6.681	6.973	6.800	7.000	6.988	6.835	6.802	6.800	6.656	6.788	6.908	6.627	6.694	6.947	6.521	
1438919	x	at	Fdfr1	BB357366	Mm.474432	14	6.584	6.474	6.781	6.704	6.735	6.736	6.771	6.663	6.742	6.389	6.845	6.537	6.646	6.654	6.818	6.689	6.886	6.658	6.798	6.812	6.881	6.941	6.934	6.711
1438920	x	at	Cr1l	BF318589	Mm.301652	1	5.334	5.272	5.602	5.628	5.279	5.302	5.249	5.322	4.703	5.158	5.005	5.312	4.634	4.901	5.093	5.313	5.016	5.386	5.067	5.217	5.405	5.378	5.514	5.202
1438921	at	Altr	BM197239	Mm.212462	9	4.726	5.165	5.394	4.941	4.760	5.190	5.526	5.219	4.970	5.144	5.045	5.307	5.144	5.001	5.084	5.313	5.354	5.230	5.050	5.195	5.521	6.006	5.222	5.521	
1438922	x	at	Slc25a5	AV110784	Mm.371544	X	9.994	10.292	10.149	9.885	9.952	9.815	10.208	10.435	9.967	10.108	9.788	10.139	9.844	10.022	9.953	9.890	9.668	9.934	9.910	9.644	9.922	10.003	10.008	10.205
1438923	at	Fibp	AV208097	Mm.329656	19	8.344	7.409	7.931	7.729	7.547	7.691	7.890	7.547	7.431	7.442	7.732	7.439	7.552	7.598	7.840	7.946	7.622	7.739	7.672	8.199	7.738	7.598	7.936	8.159	
1438924	x	at	Fibp	AV208097	Mm.329656	19	8.055	7.156	7.755	7.535	7.699	7.621	7.903	7.597	7.535	7.328	7.644	7.403	7.476	7.595	7.852	7.587	7.614	7.720	7.617	7.892	7.732	7.612	7.673	7.886
1438925	x	at	At6v0C-ps2	AV212820	NA	6	12.817	13.187	12.268	12.748	12.894	12.943	12.959	12.803	13.205	13.121	13.034	12.937	12.937	13.103	12.810	12.873	12.627	12.917	12.941	12.794	12.653	12.662	12.871	12.727
1438926	at	Rpl36a	AV301853	Mm.286408	X	4.225	4.025	4.125	4.086	4.193	4.094	4.098	4.017	4.045	3.967	4.170	3.985	4.064	4.027	4.106	4.071	3.988	4.101	4.358	4.297	4.316	4.069	4.079	4.282	
1438927	x	at	ENSMUSG000000	AV110822	Mm.390261	14	5.327	5.672	5.274	5.401	5.453	5.828	5.498	5.624	5.525	5.427	5.583	5.481	5.501	5.253	5.288	5.330	5.479	5.711	5.674	5.593	5.698	5.761	5.295	5.590
1438928	x	at	Nini	BB252065	Mm.18503	13	11.748	11.883	11.645	11.390	11.655	11.232	11.210	11.818	12.030	11.875	11.881	11.863	11.923	11.653	11.636	11.585	11.529	11.736	11.677	11.302	11.517	11.580	11.490	11.349
1438929	x	at	NA	BB168595	NA	NA	8.194	8.359	8.170	8.094	8.377	8.195	8.028	8.281	8.523	8.636	8.280	8.320	8.534	8.292	8.600	8.201	8.170	8.579	8.396	8.550	8.349	8.370	8.730	8.271
1438930	s	at	Mecp2	BB1310002	Mm.131408	X	9.115	8.399	9.330	9.092	8.673	9.261	9.069	8.612	8.204	8.854	8.549	8.749	8.720	8.439	8.598	9.288	9.277	9.125	9.003	8.968	8.990	9.314	9.084	8.972
1438931	s	at	Scn1l	AV016566	Mm.139418	10	12.069	10.806	12.037	11.882	11.571	11.823	11.649	11.766	10.765	11.412	11.340	11.806	11.340	11.018	12.205	11.892	11.684	11.536	11.229	11.446	12.419	12.475	12.529	12.818
1438932	at	Rasor2	BE688720	Mm.77017	19	8.189	8.079	8.093	8.179	8.034	8.083	8.098	8.691	8.108	7.994	8.296	8.290	7.997	7.973	8.242	8.026	8.360	8.273	7.980	8.167	8.637	8.674	8.204	8.812	
1438933	x	at	Rasor2	BE688720	Mm.77017	19	8.160	8.115	8.132	8.148	7.966	8.097	8.150	8.367	7.782	7.783	8.252	8.246	8.064	8.015	8.310	7.990	8.351	8.196	8.007	8.146	8.397	8.848	8.177	8.049
1438934	x	at	Sema4a	BB114323	Mm.439752	3	6.470	6.280	6.297	6.466	6.365	6.398	6.476	6.212	6.252	6.494	6.249	6.565	6.328	6.670	6.200	6.021	6.085	6.120	6.098	6.067	6.354	6.474	6.163	6.124
1438935	at	NA	BB317406	NA	NA	6.217	5.855	6.212	6.249	6.032	6.277	6.243	5.954	5.709	5.883	6.126	5.660	5.863	5.731	6.107	6.218	6.211	6.266	6.282	6.564	6.115	6.252	6.112	6.367	
1438936	s	at	Rnase4	AI385586	Mm.202665	14	6.604	6.531	6.448	6.707	6.464	6.695	6.724	6.884	6.662	6.389	6.569	6.654	6.575	6.646	6.533	6.550	6.641	6.507	6.662	6.712	6.787	6.648	6.548	6.719
1438937	x	at	Rnase4	AI385586	Mm.202665	14	4.703	4.698	4.317	4.583	4.609	4.495	4.527	4.610	4.665	4.700	4.500	4.564	4.592	4.568	4.450	4.502	4.596	4.461	4.503	4.522	4.576	4.618	4.435	4.414
1438938	x	at	Phb2	Mm.36241	6	12.394	12.266	12.366	12.127	12.183	12.245	12.175	12.135	12.145	12.135	12.145	12.116	11.943	12.197	12.680	12.570	12.413	12.680	12.570	12.413	12.680	12.570	12.413	12.680	12.570
1438939	s	at	Ndn	BB272772	Mm.400235	7	7.365	7.089	7.248	7.278	7.499	7.417	7.499	7.388	7.272	7.448	7.392	7.448	7.392	7.448	7.392	7.448	7.392	7.448	7.392	7.448	7.392	7.448	7.392	7.448
1438940	x	at	100040836	AV170171	NA	3	12.156	12.813	12.407	12.303	12.212	12.564	12.422	12.155	12.461	12.549	12.261	12.343	12.318	12.801	12.488	12.272	12.010	11.973	12.148	12.075	12.098	12.047	12.523	12.159
1438941	x	at	Ampd2	AV330806	Mm.274335	3	7.284	8.757	7.308	7.491	8.143	7.522	7.323	8.050	9.157	8.665	8.406	8.647	8.410	8.752	7.945	7.293	7.700	7.613	7.378	6.920	7.367	7.506	7.192	7.169
1438942	x	at	Tgm2	BB096462	Mm.330731	2	6.166	6.757	6.147	6.127	6.486	5.943	6.081	6.434	7.609	7.147	6.762	7.230	7.170	7.060	6.505	6.211	5.999	5.907	5.966	5.993	6.125	6.306	6.235	6.093
1438943	x	at	Rpn1	AV308148	Mm.188544	6	11.085	11.861	10.795	11.010	11.110	11.014	11.016	11.153	11.759	11.374	11.301	11.129	11.360	11.623	10.964	10.850	11.270	11.169	11.007	10.904	11.139	11.248	10.934	10.732
1438944	at	1700007J24Rik	AV206400	Mm.444287	2	4.996	4.555	4.569	4.679	4.754	4.689	4.784	4.751	4.741	4.744	4.637	4.596	4.600	4.485	4.467	4.827	4.771	4.780	4.862	4.615	4.869	4.754	4.803	4.950	
1438945	x	at	Gla1	BB142324	Mm.378921	10	12.972	12.884	13.115	13.041	12.801	12.964	13.055	12.564	12.855	13.031	12.433	12.848	12.801	12.920	12.804	12.763	12.988	12.967	12.959	12.839	12.735	12.815	12.950	12.815
1438946	x	at	Sema3f	BB459744	Mm.12903	9	11.194	10.819	11.230	11.005	10.926	11.208	11.011	11.065	10.980	10.997	11.186	10.786	10.991	11.016	11.128	11.195	10.971	11.186	11.148	11.229	10.983	10.853	11.059	11.110
1438948	x	at	Tspo	BB101079	Mm.1508	15	10.079	11.864	10.397	10.472	11.760	10.536	10.409	10.755	12.248	12.173	11.091	12.271	12.221	11.648	11.573	10.309	10.290	10.311	10.504	9.914	10.046	10.330	9.841	9.810
1438949	x	at	Ric8	BB533403	Mm.289196	7	8.129	7.821	7.978	8.037	7.869	7.813	7.946	7.899	7.867	7.762	7.814	7.942	7.871	7.898	8.017	7.985	8.191	7.961	7.853	8.026	7.963	7.949	7.795	7.888
1438950	x	at	Ric8	BB533403	Mm.289196	7	7.278	7.214	7.259	7.309	7.207	7.067	7.099	7.243	7.158	7.252	7.484	7.145	7.296	7.174	7.354	7.299	7.474	7.212	7.285	7.362	7.452	7.365	7.276	7.200
1438951	x	at	Nup5a	BB168451	Mm.275289	5	7.824	8.171	7.999	8.001	7.970	7.975	8.102	7.416	7.970	8.097	8.145	8.115	7.887	8.237	8.047	8.209	7.940	7.947	7.989	7.961	7.589	7.750	8.004	8.172
1438952	x	at	Tarbp2	BB258359	Mm.291485	15	7.980	8.315	7.832	7.877	7.997	7.770	7.860	7.064	7.971	7.835	7.894	7.882	7.736	7.849	7.884	7.580	8.132	8.0						

1439001	at	6030419C18Rik	BE983905	Mm.153674	9	7.269	7.122	7.339	7.332	7.147	7.066	7.180	7.271	7.214	6.955	7.099	7.173	7.213	7.027	7.121	7.066	7.367	7.207	7.204	7.168	7.190	7.319	7.017	7.226
1439002	s at	Pr13d1	BB414739	Mm.233151	13	7.443	6.901	7.281	7.241	7.164	7.224	7.366	7.188	7.034	7.106	7.265	7.196	7.057	7.134	7.387	7.283	7.270	7.330	7.357	7.473	7.280	7.226	7.503	7.445
1439003	s at	1700008F21Rik	AV271377	Mm.286964	8	4.598	4.290	4.724	4.886	4.431	4.708	4.875	4.657	4.478	4.459	4.461	4.302	4.455	4.280	4.700	4.909	4.681	4.736	4.767	4.852	4.632	4.787	4.477	4.552
1439004	at	Rps6ka5	BE946995	Mm.220417	12	4.476	4.349	4.443	4.574	4.675	4.602	4.545	4.276	4.485	4.445	4.314	4.440	4.504	4.588	4.480	4.652	4.641	4.507	4.721	4.454	4.630	4.386	4.428	4.547
1439005	x at	Yrbac	BG960603	Mm.3369	15	8.230	8.870	7.948	7.713	8.226	7.824	8.030	8.901	8.634	8.659	8.281	8.259	8.403	8.426	8.361	7.854	8.236	8.170	7.915	7.713	8.312	7.964	8.155	7.965
1439006	at	6430505H21Rik	BB409399	Mm.72979	X	3.787	3.628	3.759	3.915	3.806	3.783	3.785	3.801	3.800	3.680	3.862	3.792	3.831	3.712	3.576	3.778	3.737	3.822	3.909	3.856	3.878	3.899	3.829	
1439007	at	Alq6	BB284309	Mm.32408	4	5.032	5.244	5.225	5.154	4.945	5.325	5.464	4.918	4.631	4.713	4.979	4.871	5.144	4.781	5.244	5.079	4.982	5.160	5.092	4.876	5.310	5.231	5.335	
1439008	at	Zfp319	BB476317	Mm.350514	8	7.986	8.229	7.829	8.023	8.232	8.112	8.106	8.118	8.135	8.050	8.075	8.129	8.198	8.149	7.932	7.970	8.501	8.328	8.197	8.102	8.278	8.378	8.053	7.971
1439009	at	Gnl3i	BE981350	Mm.45987	X	9.140	9.402	9.585	9.461	9.418	9.533	9.352	9.145	9.147	9.291	9.028	9.266	9.077	9.260	9.260	9.525	9.154	9.265	9.538	9.248	9.186	9.154	9.411	9.541
1439010	at	Larp4	BB284338	Mm.28811	15	9.835	9.714	9.908	9.848	9.514	10.121	9.923	9.618	9.147	9.643	9.740	9.556	9.322	9.637	9.728	10.097	9.627	9.668	9.753	9.924	9.676	9.851	10.174	10.298
1439011	at	NA	BB333400	NA	NA	4.890	4.532	4.802	4.918	4.710	4.672	4.863	4.810	4.737	4.644	4.750	4.903	4.627	4.753	4.662	4.785	4.681	4.716	4.801	4.859	4.739	4.472	5.683	4.682
1439012	a at	Dcl	BB030204	Mm.298892	5	6.232	5.557	6.436	6.342	6.814	6.403	6.947	7.492	7.049	7.585	6.907	6.898	6.672	7.900	6.876	6.247	5.607	6.276	6.441	5.700	5.796	6.212	5.832	6.079
1439013	x at	Acv2	AV207951	Mm.311985	12	8.886	8.857	8.796	8.935	9.023	8.807	8.822	8.998	8.940	8.844	8.790	9.035	9.149	8.680	8.643	8.764	9.245	9.295	8.949	8.923	9.944	9.144	8.793	8.923
1439014	at	BM00221P15Rik	BB703667	Mm.155587	16	7.828	7.853	7.933	8.079	7.727	7.994	7.733	7.379	7.624	7.790	7.400	7.527	7.506	7.617	7.774	8.140	7.725	7.680	7.802	7.962	7.750	7.963	7.804	7.987
1439015	at	Gfr1a	AV221299	Mm.88367	19	7.535	6.733	7.220	7.755	6.956	7.405	7.372	6.909	6.589	6.566	6.686	6.710	6.862	7.061	6.659	7.349	7.599	7.191	7.381	7.644	7.246	7.879	7.328	7.417
1439016	x at	Spr2a	AV371678	Mm.6853	3	9.544	9.581	9.470	9.375	9.914	9.426	9.405	9.459	12.110	11.775	9.749	13.008	13.402	9.662	10.376	9.440	9.232	9.376	9.500	9.619	9.390	9.152	9.364	9.497
1439017	x at	Adipor1	AV301634	Mm.259976	1	11.607	11.456	11.787	11.836	11.682	11.739	11.638	10.899	11.424	11.651	11.459	11.793	11.706	11.519	11.740	11.890	11.285	11.666	11.703	11.809	11.384	11.257	11.731	11.802
1439018	at	Phd1	AV329790	Mm.331107	3	5.999	6.063	5.805	5.830	5.972	5.400	5.799	5.953	6.243	6.050	6.103	5.805	6.326	5.849	5.593	5.816	6.027	5.767	6.047	5.879	5.830	5.761	5.892	5.698
1439019	at	FW146020	BB541392	Mm.291120	5	5.665	5.839	5.928	5.855	6.181	6.288	6.021	5.899	5.768	5.912	5.843	5.883	5.772	5.743	6.002	5.792	5.764	6.091	6.116	5.946	6.088	5.790	5.787	5.866
1439020	at	AW146020	AW146020	Mm.474487	6	7.192	7.395	7.352	7.526	7.279	7.288	7.368	7.217	7.559	7.157	7.191	7.264	7.464	7.402	7.195	7.294	7.404	7.239	7.468	7.623	7.203	7.361	7.269	7.466
1439021	at	Cenb5	BI412223	Mm.219591	4	8.265	8.438	8.280	8.437	8.522	8.453	8.362	8.592	8.493	8.371	8.849	8.617	8.578	8.525	8.455	8.325	8.570	8.415	8.482	8.442	8.435	8.398	8.285	8.269
1439022	at	Phactr1	AV259240	Mm.160124	13	6.903	6.823	6.400	6.844	6.825	7.009	6.869	6.991	6.599	6.740	6.537	7.004	6.660	6.748	6.905	6.538	7.203	6.919	6.963	6.963	7.154	7.128	6.860	6.661
1439023	at	Dxd5s	C88117	Mm.281601	5	8.171	8.593	7.937	8.258	8.284	8.188	8.182	8.384	8.211	8.107	8.134	8.228	8.180	8.170	7.967	8.247	8.525	8.523	8.270	8.340	8.414	8.211	8.186	7.833
1439024	at	Baq4	BB082119	Mm.118400	8	8.188	8.108	8.231	8.206	8.207	8.228	8.132	7.897	7.978	7.944	8.017	7.945	8.045	8.102	7.938	8.141	7.884	8.132	8.172	8.088	8.059	8.233	8.192	8.193
1439025	at	Zfp446	BG060696	Mm.62083	7	7.828	7.123	7.372	7.660	7.356	7.631	7.442	7.582	7.457	7.377	7.453	7.424	7.542	7.479	7.378	7.656	7.620	7.558	7.718	7.706	7.338	7.443	7.509	7.523
1439026	at	Trpm3	BB125842	Mm.131943	19	4.693	4.297	4.458	4.532	4.482	4.577	4.602	4.698	4.352	4.251	4.465	4.496	4.512	4.423	4.346	4.426	4.695	4.458	4.519	4.437	4.845	4.901	4.596	4.532
1439027	at	Ufnm23M02Rik	BB320603	Mm.93394	5	9.302	9.703	9.718	9.713	9.438	9.748	9.534	9.438	9.718	9.438	9.718	9.438	9.718	9.438	9.718	9.438	9.718	9.438	9.718	9.438	9.718	9.438	9.718	9.438
1439028	at	Ufnm23M02Rik	Ufnm23M02Rik	Mm.28917	17	7.596	7.452	7.422	7.413	7.419	7.203	7.408	7.434	7.382	7.509	7.420	7.782	7.467	7.240	7.782	7.467	7.240	7.782	7.467	7.240	7.782	7.467	7.240	7.782
1439029	at	Gpl2	BG069993	Mm.200423	8	7.748	7.317	7.777	7.781	7.722	7.771	7.767	7.676	7.508	7.428	7.452	7.750	7.571	7.613	7.766	7.852	8.081	8.088	8.093	8.184	7.897	7.812	7.951	8.302
1439030	at	Gmpbb	BI410722	Mm.22554	9	8.306	8.679	8.779	8.632	8.647	8.705	8.648	8.551	9.391	9.149	8.859	8.719	8.600	9.260	8.643	8.611	8.564	8.701	8.799	8.582	8.377	8.245	8.585	8.667
1439031	at	Jph4	BB376821	Mm.19047	14	7.698	7.490	7.639	7.567	7.554	7.619	7.669	7.721	7.568	7.583	7.585	7.554	7.496	7.458	7.588	7.551	7.668	7.835	7.712	7.944	7.635	7.611	7.664	7.586
1439032	at	Cep27	BG069669	Mm.221900	2	8.090	8.305	8.492	8.189	8.226	8.455	8.662	7.959	8.130	8.294	8.279	8.207	8.097	8.145	8.340	8.291	8.069	8.079	8.407	8.455	8.321	8.085	8.371	8.322
1439033	at	Zcch7	AV341907	Mm.331576	4	7.682	7.313	7.699	7.543	7.444	7.678	7.703	7.458	7.388	7.434	7.458	7.600	7.583	7.537	7.701	7.720	7.625	7.502	7.622	7.519	7.412	7.678	7.708	7.524
1439034	at	Scnp	BB160586	Mm.283714	7	5.468	5.682	5.086	5.563	5.304	5.371	5.786	5.453	5.380	5.289	5.428	5.358	5.191	5.579	5.169	5.291	5.527	5.271	5.416	5.205	5.402	5.411	5.148	5.481
1439035	at	Zeb1b2a	BB259019	NA	8	7.097	6.954	7.054	6.912	6.823	6.852	6.953	6.817	6.579	6.578	6.823	6.824	6.852	6.815	6.839	6.845	6.815	6.839	6.845	6.815	6.839	6.845	6.815	6.839
1439036	a at	Adlb1b	AV152334	Mm.4550	1	12.149	13.069	12.098	11.941	12.854	12.265	12.272	12.317	13.331	13.476	12.360	12.913	12.852	12.677	12.567	12.210	11.830	12.129	12.233	12.109	11.698	11.630	11.841	11.980
1439037	at	Dxd17	BB818398	Mm.29644	15	6.836	6.726	6.539	6.743	6.711	6.677	6.731	6.676	6.817	6.671	6.533	6.687	6.754	6.617	6.662	6.698	6.553	6.678	6.700	6.447	6.697	6.606	6.760	6.840
1439038	at	FI30227C08Rik	BF455240	Mm.37592	14	7.591	7.921	7.609	7.401	7.632	7.706	7.763	7.785	7.834	7.893	7.857	7.867	7.813	8.014	7.861	7.656	7.899	7.700	7.984	7.805	7.454	7.400	7.611	7.543
1439039	at	Tmem104	BE981239	Mm.260587	11	5.845	5.619	5.891	5.867	6.018	5.717	5.895	5.976	6.128	6.056	6.168	5.757	5.963	5.872	5.864	6.029	5.574	5.930	6.028	5.762	5.831	5.868	5.513	5.871
1439040	at	Cenp	BG068387	Mm.161470	3	4.015	6.832	3.791	3.953	4.497	3.993	4.207	5.708	6.107	6.041	5.267	4.623	4.639	6.335	4.755	3.759	3.979	3.814	4.000	3.859	3.683	4.100	3.635	4.027
1439041	at	Slc39a10	BM239325	Mm.233989	1	7.481	8.158	7.692	7.473	7.612	7.690	7.491	7.232	7.888	8.007	8.863	7.523	7.666											

1439090	at	Tbc1d23	BM240198	Mm.257819	16	7.154	7.246	7.148	7.010	7.162	7.145	7.149	7.010	7.384	7.475	6.895	7.493	7.352	7.374	7.393	7.121	7.013	6.968	6.968	6.784	7.257	7.197	7.058	6.985	
1439091	at	Fancd2	BG070186	Mm.160061	6	7.477	7.516	7.443	7.413	7.125	7.354	7.617	7.322	7.506	7.198	7.381	7.180	7.416	7.347	7.298	7.338	7.338	7.087	7.224	7.343	7.271	7.401	7.391	7.734	
1439092	at	Nxf1	BM220172	Mm.7271	19	6.093	6.126	6.112	6.063	6.241	6.175	6.034	5.996	5.851	6.051	5.988	6.140	6.036	5.993	6.117	6.260	6.588	6.214	6.096	6.289	6.089	5.899	6.202	5.962	
1439093	at	NA	BB270852	NA	NA	7.973	8.339	8.066	8.054	8.521	8.231	8.417	8.394	8.084	8.418	8.417	8.510	8.351	8.084	8.321	8.069	8.012	8.365	8.148	8.246	8.055	8.259	8.257	8.562	
1439094	at	Ctic	BM213151	Mm.254568	11	7.143	7.327	7.427	7.087	7.196	7.366	7.506	7.377	7.823	8.096	7.273	7.533	7.421	7.523	7.386	7.306	7.163	7.256	7.257	7.638	7.281	7.273	7.145	7.106	
1439095	at	Sfrs11	BB210893	Mm.223946	3	7.353	7.234	7.387	7.437	7.050	7.712	7.588	7.411	7.588	7.416	7.412	7.601	7.466	7.501	7.466	7.319	7.337	7.511	7.418	7.504	7.439	7.427	7.439	7.427	
1439096	at	Ddo	BB021589	Mm.252862	10	10.250	9.277	10.144	10.256	9.784	10.187	10.424	10.379	9.832	10.019	9.162	10.074	9.988	9.698	9.775	10.047	10.531	10.726	10.068	10.480	10.700	10.665	10.518	10.157	
1439097	at	NA	BM239519	NA	NA	5.988	6.071	5.995	5.948	6.084	5.954	5.819	5.820	6.246	6.079	5.883	5.822	5.968	6.020	5.931	6.111	5.940	5.822	5.838	5.512	5.961	5.704	6.160	5.699	
1439098	at	E2300132LR2ik	BB549061	Mm.37632	8	7.430	8.272	7.272	7.981	8.075	7.670	6.954	8.752	8.624	8.372	7.925	8.826	8.568	7.518	8.480	7.225	8.867	8.291	7.868	8.040	8.760	8.778	7.611	7.587	
1439099	at	Nova2	BF466030	Mm.262724	7	5.441	5.280	5.467	5.448	5.370	5.310	5.398	5.579	5.429	5.350	5.238	5.667	5.642	5.430	5.601	5.430	5.186	5.416	5.357	5.468	5.448	5.509	5.424	5.456	
1439100	s at	Bttrap11-1	BB284664	Mm.310906	16	6.202	6.069	6.122	6.099	6.127	5.865	6.121	6.124	6.209	6.165	6.234	6.098	6.194	6.286	6.259	6.121	6.291	6.036	6.176	6.126	6.162	6.005	6.183	6.230	
1439101	at	Myh3	BM123917	Mm.32804	8	12.348	11.355	12.855	12.843	11.854	12.170	11.848	11.572	11.247	11.741	11.092	12.206	12.062	11.609	11.803	12.799	12.317	11.972	12.005	12.280	12.084	12.230	12.122	12.088	
1439102	at	Bor1	BM871640	Mm.343986	11	8.707	8.395	8.830	8.742	8.775	8.987	8.696	8.554	8.614	8.607	8.639	8.815	8.840	8.644	8.746	8.751	8.892	8.806	8.988	8.870	8.877	8.787	8.665	8.855	
1439103	at	Cdc73	BM183750	Mm.389191	1	5.561	5.294	5.659	5.536	5.512	5.665	5.543	5.319	5.070	5.400	5.483	5.693	5.393	5.385	5.532	5.998	5.245	5.472	5.470	5.526	5.709	5.898	5.753	5.933	
1439104	at	C230081A13Rik	BQ030909	Mm.268105	9	8.105	8.613	8.151	8.448	8.250	8.353	7.999	8.664	8.705	8.508	8.936	8.863	8.883	8.508	8.524	8.163	8.390	8.546	8.247	8.231	8.040	8.482	8.287	8.113	
1439105	at	Cdadc1	BE200391	Mm.439850	14	6.349	6.468	6.759	6.464	6.815	6.413	6.511	6.618	6.348	6.856	6.301	6.781	6.683	6.414	6.761	6.742	6.501	6.414	6.334	6.067	6.034	6.578	6.811	6.652	
1439106	at	Zfp462	AV320128	Mm.102904	4	7.003	7.026	7.005	6.781	7.101	6.938	6.875	7.129	7.322	7.465	6.967	7.149	7.302	6.946	7.085	6.676	6.984	7.001	6.802	7.029	6.647	6.776	6.537	6.483	
1439107	a at	Mil5	BF021054	Mm.205190	5	8.199	8.532	8.222	8.306	8.307	8.206	8.787	8.306	8.539	8.739	8.386	8.593	8.427	7.995	8.294	8.252	8.648	8.333	8.141	8.034	8.597	9.002	8.003	8.222	
1439108	at	Mil5	BF021054	Mm.205190	5	9.855	9.797	9.788	9.828	9.865	9.784	9.902	10.166	9.753	9.816	9.229	10.075	10.083	9.466	9.832	9.629	10.198	9.874	9.866	9.672	10.231	10.386	9.658	9.701	
1439109	at	Cdc68	AV378320	Mm.266831	18	6.067	6.696	5.784	5.820	6.636	6.163	6.086	6.759	7.252	7.476	6.495	6.749	6.974	6.402	6.719	5.976	5.754	6.024	5.888	5.869	5.798	5.722	5.776	5.583	
1439110	at	A930012016Rik	BB251875	Mm.347582	2	6.763	6.925	6.682	6.692	6.591	6.609	6.568	6.559	6.560	6.269	6.494	6.536	6.521	6.693	6.516	6.477	6.536	6.654	6.586	6.916	6.700	6.628	6.459	6.515	
1439111	at	Tsc22d1	BM230984	Mm.153272	14	7.365	7.105	6.946	7.068	7.185	7.350	6.915	7.281	7.226	7.198	7.251	7.260	6.982	7.125	7.233	7.103	6.849	7.157	6.999	6.940	7.082	7.115	7.063	7.016	
1439112	at	T8C10442I2Rik	BE456545	Mm.268598	11	4.141	4.062	4.164	4.058	4.004	4.088	4.049	4.083	4.247	3.991	4.116	4.068	4.006	4.065	4.071	3.980	4.405	4.082	4.017	4.156	4.097	4.425	4.057	4.063	
1439113	at	LXC777114	BB379753	Mm.391403	12	5.889	5.763	5.835	5.963	6.198	5.771	5.876	5.822	6.203	6.160	6.049	5.964	6.110	6.056	5.928	5.810	5.795	5.969	5.847	5.885	6.007	5.847	5.990	6.061	
1439114	at	Ddx60	BB234229	Mm.275233	8	4.301	4.351	4.567	4.564	4.587	4.428	5.147	4.620	4.441	4.456	4.443	4.521	4.411	4.564	4.356	4.486	4.781	4.764	4.600	4.760	4.493	4.613	4.455	4.511	
1439115	at	Mchp1	BB701523	Mm.235296	8	4.951	5.235	5.044	5.057	4.899	4.741	4.961	5.184	4.953	4.941	5.019	4.986	4.790	4.868	4.760	4.780	5.118	4.858	5.006	5.118	5.139	4.917	4.973	5.019	
1439116	at	NA	BB367687	NA	NA	5.859	5.957	5.988	5.988	6.065	5.924	6.007	5.987	5.988	5.987	5.987	5.988	5.987	5.988	5.987	5.988	5.987	5.988	5.987	5.988	5.987	5.988	5.987	5.911	
1439117	at	Cmn	AU067755	Mm.244078	12	7.052	6.669	7.341	7.097	6.846	7.107	6.558	6.415	6.462	6.737	6.737	6.981	7.138	6.915	6.880	7.127	6.992	7.188	7.462	7.282	7.360	7.587	7.611	7.593	
1439118	at	Slc35e4	BF467479	Mm.171514	11	5.395	5.368	5.511	5.610	5.364	5.346	5.447	5.560	5.574	5.182	5.443	5.297	5.520	5.431	5.404	5.481	5.526	5.356	5.415	5.391	5.412	5.686	5.542	5.501	
1439119	a at	BC010304	BB324006	Mm.475104	13	6.006	6.148	5.653	5.960	5.907	5.779	5.944	5.923	6.158	5.903	6.067	5.910	5.981	6.065	6.057	5.945	6.017	5.849	5.885	6.054	5.915	5.901	6.003	5.872	
1439120	at	BC010304	BB324006	Mm.475104	13	5.357	5.661	5.173	5.440	4.359	5.379	5.276	5.425	5.962	5.627	5.551	5.741	5.643	5.449	5.373	5.281	5.397	5.171	5.238	4.960	5.109	5.382	5.311	5.125	
1439121	at	H2-110	AW822416	Mm.475851	17	8.197	8.185	8.226	8.124	8.231	8.464	8.399	8.191	8.247	8.144	8.277	8.125	8.105	8.098	8.294	8.357	8.297	8.458	8.310	8.265	8.200	8.157	8.301	8.224	
1439122	at	Ddx6	BF262695	Mm.267061	9	10.882	10.938	10.823	10.952	11.035	10.953	10.729	10.527	10.684	10.723	10.739	10.882	10.807	10.813	10.839	11.013	10.745	10.870	10.784	10.806	10.697	10.746	10.888	10.888	10.775
1439123	at	NA	BB367687	NA	NA	7.422	7.924	8.090	8.257	8.000	8.472	8.202	7.593	7.960	8.091	7.723	8.172	8.412	8.372	8.421	8.329	7.636	7.950	8.155	8.043	7.841	8.052	8.105	7.816	
1439124	at	Gpr91	BM2515210	Mm.152120	6	8.931	6.892	7.341	7.452	7.332	7.613	7.588	7.490	7.252	8.32	7.959	7.090	7.134	7.238	7.050	6.994	6.959	6.912	7.066	7.272	7.136	7.222	7.145	7.338	
1439125	at	NA	AV330236	NA	NA	7.291	7.363	7.263	7.393	7.502	7.533	7.241	7.493	7.293	7.467	7.003	7.573	7.599	7.392	7.387	7.216	7.574	7.426	7.319	7.241	7.377	7.647	7.398	7.028	
1439126	at	1110007A13Rik	BG066823	Mm.58882	7	6.811	6.811	6.750	6.639	6.945	6.781	6.515	6.652	6.800	6.927	6.787	6.723	6.772	6.879	6.805	6.610	6.585	6.179	6.618	6.720	6.847	6.727	6.634	6.518	
1439127	at	A1314180	BB234919	Mm.234801	4	8.385	8.043	8.634	8.332	8.648	8.181	8.441	8.379	7.722	8.051	7.988	8.279	7.669	7.893	8.208	8.559	8.597	8.276	8.270	8.182	8.342	8.877	8.428	8.679	
1439128	at	Zbtb20	A1595815	Mm.136238	16	11.894	11.530	11.187	11.840	11.760	11.703	11.568	11.312	11.616	11.663	11.686	11.604	11.408	11.838	11.859	11.874	11.753	11.642	11.819	11.872	11.973	12.008	12.008	12.036	
1439129	at	Dock5	AV495734	Mm.258155	14	6.011	5.825	5.837	5.805	5.755	5.803	5.823	5.670	5.770	6.010	5.811	5.493	5.740	5.928	5.764	5.866	5.822	5.742	5.527	5.862	5.984	5.631	5.366	5.693	
1439130	at	Atad4	BB131502	Mm.440165	9	5.962	5.914	5.930	5.851	5.818	5.786	5.973	5.882	5.																

1439179	a	at	5830405N20Rik	BB202848	Mm.131264	10	5.971	5.918	6.034	6.199	6.079	6.090	6.043	6.200	5.898	6.055	5.959	6.109	6.065	6.147	6.017	5.970	6.237	6.100	6.111	6.019	6.027	6.003	6.128	5.912	
1439180	at		A430093A21Rik	BE197105	Mm.74718	1	8.432	8.365	8.460	8.505	8.678	8.519	8.403	8.311	8.272	8.385	8.414	8.526	8.552	8.369	8.521	8.365	8.455	8.472	8.330	8.327	8.434	8.530	8.701	8.551	
1439181	at		BC043301	AV020760	Mm.333821	1	4.327	4.798	4.319	4.475	4.623	4.353	4.516	4.566	4.495	4.516	4.443	4.454	4.626	4.478	4.490	4.278	4.429	4.308	4.403	4.649	4.427	4.365	4.326	4.201	
1439182	at		D17Wsu92e	AW824413	Mm.196577	17	5.279	5.404	5.501	5.404	5.321	5.420	5.575	5.577	5.581	5.282	5.396	5.365	5.541	5.404	5.409	5.459	5.547	5.472	5.655	5.467	5.250	5.467	5.287	5.285	
1439183	at		Ash3	A1662009	Mm.218784	17	4.104	3.943	4.121	3.943	3.972	4.115	3.870	3.932	4.033	3.983	3.912	3.845	3.982	3.965	3.962	4.134	4.032	4.103	4.015	4.023	4.018	3.904	3.895	4.067	
1439184	s	at	Txndc17	AV339214	Mm.27670	11	10.691	11.413	10.738	10.908	11.309	10.881	10.874	11.148	11.657	11.503	10.959	11.542	11.305	11.148	11.121	10.733	10.937	10.776	10.714	10.466	11.054	11.240	10.746	10.758	
1439185	x	at	D433028G21Rik	BB433489	Mm.287226	2	8.734	8.676	8.809	8.710	8.409	8.445	8.792	9.187	8.586	8.604	8.462	9.030	8.355	8.334	8.547	8.741	8.983	9.006	8.866	8.442	8.777	8.820	9.008	8.818	8.568
1439186	at		E130319B15Rik	BB022463	Mm.149539	2	6.151	6.177	6.366	6.399	6.450	6.274	6.319	6.240	6.120	6.369	6.339	6.485	6.536	6.262	6.380	6.307	6.424	6.349	6.210	6.435	6.284	6.562	6.631	6.414	
1439187	at		Vps13d	A1790396	Mm.240310	4	10.439	10.086	10.278	10.342	10.118	10.167	10.122	10.311	10.159	10.248	9.969	10.157	10.062	10.017	10.171	10.142	10.331	10.291	10.122	10.245	10.326	10.464	10.712	10.410	
1439188	at		Cpsf6	BB377034	Mm.288682	10	4.508	4.390	4.368	4.455	4.607	4.519	4.573	4.615	4.638	4.924	4.746	4.557	4.635	4.878	4.837	4.879	4.613	4.748	4.651	4.599	4.754	4.513	4.470	4.359	
1439189	at		FniP2	BB498793	Mm.244005	3	9.581	8.884	9.444	9.703	9.125	9.531	9.449	8.668	8.919	8.994	8.403	8.757	9.035	9.318	9.172	9.570	8.630	8.792	8.939	8.972	8.803	8.573	10.362	9.564	
1439190	at		Fna1	AW537651	Mm.252019	4	6.163	5.972	5.875	6.021	6.291	6.045	5.981	6.204	6.488	6.209	6.673	6.496	6.345	6.160	6.473	6.027	5.865	6.080	6.374	6.106	5.994	6.138	5.969	6.172	
1439191	at		BB540658	NA	NA	4	8.875	9.951	8.873	8.897	9.815	9.011	8.732	9.232	10.623	10.293	9.525	10.112	10.040	9.775	9.694	8.780	8.443	8.844	8.739	8.086	8.911	8.204	8.541	8.459	
1439192	at		Novad2	BB524078	Mm.262724	7	8.998	8.570	8.749	8.706	8.715	8.709	8.854	8.883	8.501	8.732	8.861	8.553	8.791	8.659	9.080	8.788	8.671	8.545	8.536	8.711	8.866	8.966	9.176	8.828	
1439193	at		Prrx11	BE944768	Mm.119274	14	7.893	7.465	7.848	7.821	7.682	7.803	8.054	7.787	7.619	7.446	7.785	7.754	7.540	7.692	7.674	7.800	7.928	7.880	7.815	7.857	7.972	7.763	7.738	7.959	
1439194	at		C030048H21Rik	BG070932	Mm.294552	2	5.662	5.418	5.785	5.788	5.526	5.659	5.779	5.589	5.577	5.536	5.620	5.507	5.613	5.506	5.631	5.696	5.617	5.770	5.509	5.706	5.634	5.422	5.862	5.597	
1439195	at		NA	BB471698	NA	NA	5.667	5.677	5.687	5.730	5.722	5.661	5.668	5.537	5.964	6.102	5.524	5.978	6.102	5.756	5.983	5.721	5.525	5.818	5.744	5.750	5.632	5.524	5.694	5.847	
1439196	at		Hook3	BB476531	Mm.334464	8	9.043	8.977	9.040	9.060	9.039	9.081	9.017	9.068	9.249	9.131	9.180	9.096	9.299	9.080	9.256	9.046	8.953	8.896	9.097	8.998	8.990	8.971	9.220	9.146	
1439197	at		P4k6	BB371241	Mm.217222	3	6.918	6.568	6.838	6.868	6.818	6.863	6.950	6.708	6.840	6.929	7.027	6.822	6.926	7.386	7.036	6.815	6.780	6.709	6.867	6.775	6.901	6.886	7.009	7.002	
1439198	at		C85445	AV362920	NA	15	7.269	6.867	7.125	7.274	7.247	7.336	7.320	7.120	7.123	7.062	7.245	7.079	6.942	7.161	7.102	7.378	7.197	7.102	6.927	7.176	7.163	7.080	7.261	7.469	
1439199	at		NA	BB310749	NA	NA	6.870	6.555	6.593	6.555	6.856	6.852	6.800	6.759	6.559	6.804	7.027	6.322	6.593	6.713	6.591	6.804	6.813	6.968	6.821	6.785	6.702	6.628	7.274	6.840	
1439200	x	at	Erd1	BE686792	Mm.391385	NA	8.331	9.487	8.904	7.061	7.179	7.457	7.664	8.191	7.442	7.417	7.727	7.162	7.887	7.486	7.003	8.842	7.296	7.231	6.523	7.198	7.461	7.997	7.333	7.480	
1439201	at		Usp14	AV114800	Mm.329277	18	8.094	7.815	8.129	8.045	8.800	8.010	8.146	7.995	8.028	7.943	7.872	7.898	7.682	7.923	7.865	8.077	7.988	7.992	8.056	8.189	7.869	7.741	8.203	8.400	
1439202	at		Yod1	BE981897	Mm.106553	1	6.740	6.319	6.494	6.516	6.442	6.353	6.557	6.609	6.599	6.314	6.694	6.404	6.583	6.576	6.450	6.498	6.359	6.810	6.408	6.483	6.585	6.579	6.766	6.534	
1439203	at		NA	BB206010	NA	NA	6.914	6.660	6.683	6.890	6.927	6.834	6.998	6.913	6.812	6.616	6.952	6.795	6.993	6.874	6.817	7.066	6.900	6.935	6.876	6.992	7.049	6.870	6.973	6.995	
1439204	at		Scn3a	BB096886	Mm.330256	2	4.972	4.668	5.104	4.995	4.559	4.583	4.871	5.017	4.599	4.729	4.445	4.827	4.692	4.682	5.101	4.829	5.034	5.047	4.624	4.809	4.707	5.179	5.412	4.923	
1439205	at		NA	Nfsl21	Mm.116802	2	7.037	7.703	7.592	7.703	8.038	7.783	8.038	7.977	7.783	8.038	7.977	7.783	8.038	7.977	7.783	8.038	7.977	7.783	8.038	7.977	7.783	8.038	7.977	7.783	8.038
1439206	at		Gna12	BE960919	Mm.370185	5	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	4.989	
1439207	at		Pma5a	BB698563	Mm.327861	X	5.993	5.792	5.934	6.011	5.963	5.810	6.042	6.012	5.846	5.789	6.153	5.892	5.872	6.155	5.822	5.932	5.981	5.797	6.012	6.210	5.868	5.919	6.090	5.959	
1439208	at		Chk1	BB292088	Mm.16753	9	5.146	5.287	5.364	5.246	5.555	5.288	5.475	5.235	5.409	5.036	5.601	5.151	5.075	5.600	5.174	5.262	5.170	5.306	5.132	5.165	5.152	5.090	5.167	5.133	
1439209	at		Tcf12	AW540782	Mm.171615	9	7.725	7.755	7.958	7.726	7.733	7.997	7.761	7.704	7.873	8.079	8.078	8.228	8.238	8.000	8.083	7.725	7.560	7.820	7.434	7.912	7.965	8.141	7.949	7.972	
1439210	at		Mros9	BM238619	Mm.252982	1	7.595	7.746	7.898	8.002	7.799	7.957	7.932	7.722	7.779	7.775	7.800	7.697	7.768	7.922	7.775	7.842	8.037	7.775	7.861	7.907	7.913	8.234	7.956	7.826	
1439211	at		Umod1	BG068098	Mm.25923	17	5.425	5.349	5.442	5.358	5.569	5.417	5.438	5.556	5.534	5.541	5.594	5.248	5.422	5.355	5.586	5.405	5.516	5.517	5.403	5.536	5.572	5.337	5.464	5.327	
1439212	at		Zfp646	BB217214	Mm.425491	7	6.822	6.669	6.723	6.682	6.781	6.853	6.838	6.836	6.545	6.665	6.983	6.708	6.852	6.722	6.825	6.850	6.688	6.898	6.866	7.047	7.103	6.913	6.996	6.957	
1439213	at		Scn5b	BB202916	Mm.329277	17	4.670	4.937	4.424	4.756	4.980	4.555	4.472	4.479	4.263	4.335	4.455	4.826	4.950	4.953	4.702	4.988	4.653	4.762	4.850	4.517	4.738	4.602	4.647	4.649	
1439214	a	at	Api5	AV118744	Mm.181824	2	5.981	6.389	6.466	5.973	5.757	6.305	6.233	5.428	5.819	6.420	6.480	5.709	5.869	6.518	5.984	6.508	5.467	5.699	6.078	6.035	5.289	5.233	6.480	6.595	
1439215	at		Atd2c1	AV340006	Mm.326247	9	4.150	4.450	4.402	4.295	4.457	4.394	4.253	4.456	4.236	4.469	4.325	4.325	4.256	4.330	4.385	4.321	4.416	4.339	4.432	4.289	4.278	4.499	4.739	4.211	
1439216	at		BB211804	BB211804	Mm.406328	8	5.635	5.648	5.950	5.833	5.846	5.958	6.108	5.837	5.741	5.818	5.840	5.813	6.019	5.879	5.956	5.902	5.816	5.828	5.872	6.191	5.917	5.881	6.019	6.021	
1439217	at		Nlrp9c	BB704774	Mm.212174	7	5.034	4.802	4.737	4.910	4.848	4.967	4.742	5.121	4.888	4.752	4.847	4.716	4.846	4.801	4.796	4.821	4.654	4.835	4.670	4.844	4.533	4.926	4.820	4.783	
1439218	at		NA	BM120182	NA	NA	7.897	7.755	7.696	7.862	8.024	7.937	7.675	7.700	8.177	7.782	7.737	7.851	7.867	8.127	7.730	7.727	7.505	7.710	7.702	7.826	7.646	7.721	7.801	7.694	
1439219	at		A7300																												

1439268	x	at	Elif9e	BB032885	Mm.289992	15	11.438	11.592	11.589	11.464	11.490	11.533	11.346	11.521	11.589	11.555	11.284	11.598	11.524	11.655	11.403	11.499	11.475	11.501	11.208	11.484	11.654	11.433	11.530		
1439269	x	at	Mcm7	BB407228	Mm.378965	5	7.132	8.645	7.202	7.205	7.719	7.513	7.466	8.001	7.702	7.610	7.687	7.405	8.199	7.487	7.105	7.541	7.490	7.497	7.216	7.439	7.964	7.357	7.298		
1439270			LOC100045999	AV116470	NA	9	12.997	13.534	12.944	12.921	12.954	12.972	13.139	13.032	13.358	13.213	13.277	12.927	12.884	13.492	12.950	12.960	12.869	12.868	12.984	12.798	12.962	12.991	12.969	12.992	
1439271	x	at	IK	AV25179	Mm.30234	18	11.545	11.793	11.658	11.636	11.621	11.598	11.673	11.675	11.431	11.689	11.798	11.428	11.756	11.609	11.685	11.935	11.598	11.602	11.691	11.725	11.525	11.568	11.611	11.610	
1439272	at		Lcpn1	BB181210	Mm.214981	5	5.743	6.596	5.937	5.933	6.427	6.022	6.170	6.703	6.468	6.582	6.331	6.642	6.847	6.445	6.284	5.955	5.919	6.017	6.234	5.990	6.234	5.990	6.114	5.683	
1439273	at		Ripk1	AV275625	Mm.374799	13	6.969	7.281	6.590	6.937	7.080	6.82	6.838	6.86	7.479	7.286	7.172	7.499	7.242	7.164	6.586	6.763	6.226	6.327	6.626	6.777	6.586	6.851	6.973	7.004	
1439274	at		A230081822Rik	AW455902	Mm.257354	19	8.966	8.569	8.958	9.250	9.119	8.742	9.680	10.163	9.157	9.075	9.236	9.848	9.607	9.113	8.929	9.112	9.332	8.626	8.182	8.422	9.052	9.474	8.564	8.223	
1439275	s	at	9530010C24Rik	BG069453	NA	3	8.528	8.477	8.720	8.746	8.671	8.646	8.622	8.616	8.538	8.650	8.890	8.743	8.812	8.686	8.653	8.800	8.639	8.499	8.630	8.670	8.560	8.561	8.353	8.386	
1439276	at		Adar	BB308291	Mm.316628	3	6.433	7.213	7.026	7.159	6.874	7.049	7.513	7.082	7.244	7.439	6.861	7.125	6.959	7.259	6.985	7.153	7.039	7.211	6.931	7.158	6.695	7.049	7.113	6.647	
1439277	at		OTTMUSG000000	AV260987	Mm.392746	17	7.372	6.756	6.971	6.955	6.912	6.891	6.948	6.823	7.002	6.802	6.960	6.893	6.962	6.994	6.964	6.814	7.098	6.912	7.051	6.942	7.079	6.984	7.052	7.030	
1439278	at		Zbtb20	BB175650	Mm.136238	16	10.587	10.345	10.613	10.588	10.535	10.597	10.448	10.199	10.119	10.261	10.142	10.352	10.316	10.072	10.546	10.560	10.536	10.462	10.264	10.433	10.582	10.774	10.687	10.764	
1439279	at		311000717Rik	BB339304	Mm.292979	X	6.577	6.823	6.997	6.598	6.651	7.127	7.077	6.719	6.508	6.756	6.629	7.019	7.093	6.710	6.606	6.735	6.700	6.607	6.610	6.930	6.207	6.488	6.586	6.638	
1439280	at		OTTMUSG000000	BB321076	Mm.729441	4	5.848	5.707	5.782	5.727	5.813	5.717	5.951	5.682	5.630	5.387	5.718	5.645	5.719	5.721	5.935	5.941	5.730	5.986	5.807	5.805	5.865	5.780	5.847	5.928	
1439281	at		Slc26a8	BB667180	Mm.219530	17	7.277	6.895	7.109	7.240	7.015	7.136	7.049	6.968	6.955	6.915	7.309	7.025	6.914	6.944	7.003	7.161	7.061	7.375	7.246	7.325	7.231	7.156	7.136	7.220	
1439282	at		D930023I05Rik	BB055532	Mm.446101	11	6.137	6.261	6.071	5.952	6.180	5.916	6.073	6.132	6.279	6.040	6.032	5.871	6.079	6.020	6.134	6.012	6.025	6.049	6.066	6.264	6.058	6.007	6.054	6.277	
1439283	at		Osbp19	BG066184	Mm.366315	4	7.568	7.884	7.459	7.678	7.914	7.762	7.482	7.512	7.750	7.642	7.245	7.616	7.564	7.531	7.517	7.507	7.606	7.393	7.367	7.143	7.603	7.650	7.321	7.417	
1439284	at		Epb4.1I5	AV537770	Mm.253156	1	8.094	7.762	8.106	7.960	7.826	7.829	7.882	7.294	7.499	7.644	7.212	7.742	7.634	7.772	7.772	7.994	7.621	8.035	7.948	7.874	7.797	7.621	7.781	7.883	
1439285	at		4933431K14Rik	BE981385	Mm.399130	9	6.773	6.657	6.667	6.806	6.605	6.619	6.710	6.729	6.568	6.499	6.636	6.664	6.578	6.559	6.622	6.701	6.318	6.587	6.676	6.763	6.842	6.457	6.763	6.400	
1439286	at		Grik2	BB075484	Mm.332838	10	4.389	4.087	4.355	4.241	4.238	4.392	4.060	4.046	4.079	4.214	4.384	3.974	4.280	4.184	4.185	4.345	4.054	4.110	4.353	4.334	4.083	4.243	4.377	4.278	
1439287	at		NA	BB667182	NA	NA	8.409	7.994	8.295	8.048	8.008	8.309	8.215	8.212	7.918	8.062	8.260	8.085	8.051	8.141	8.272	8.372	8.217	8.192	8.327	8.309	8.224	8.212	8.174	8.327	
1439288	at		Pnmal1	BB197516	Mm.275673	7	5.704	5.357	5.756	5.509	5.519	5.637	5.546	5.647	5.632	5.577	5.784	5.516	5.555	5.502	5.508	5.563	5.515	5.858	5.615	5.659	5.602	5.516	5.594	5.858	
1439289	s	at	Pnmal1	BB197516	Mm.275673	7	6.008	5.859	5.880	5.848	5.773	6.001	5.907	5.849	5.771	5.726	6.098	6.005	6.116	5.757	5.845	5.936	5.906	5.879	5.921	6.135	6.060	5.905	6.102	6.079	
1439290	at		NA	BM213145	NA	NA	6.659	6.656	6.936	6.745	6.610	6.731	6.648	6.491	6.323	6.167	6.411	6.225	5.777	5.999	6.276	6.747	6.551	6.893	6.529	6.464	6.587	6.454	6.902	6.462	
1439291	at		NA	BB354792	NA	NA	4.693	4.660	4.915	4.717	4.589	4.666	4.535	4.684	4.561	4.567	4.590	4.439	4.731	4.742	4.689	4.709	4.693	4.620	4.634	4.898	4.640	4.629	4.596	4.617	
1439292	at		NA	AW121375	NA	NA	7.743	7.176	7.750	7.588	7.736	7.964	7.589	7.191	6.920	7.052	7.193	6.433	7.163	7.359	7.106	7.922	7.573	7.435	7.419	7.644	7.395	7.621	7.875	7.777	
1439293	at		BC031353	BB369212	Mm.208955	9	9.412	8.590	9.426	9.228	9.416	9.540	9.320	8.939	8.285	8.658	7.529	9.004	8.900	8.868	9.123	9.572	9.525	9.220	9.098	9.258	9.098	9.525	9.822	9.163	
1439294	at		330414	BB293178	Mm.214981	6	5.854	5.984	5.988	6.154	5.986	6.078	6.060	5.841	5.984	5.841	5.802	5.822	5.840	5.908	5.908	5.908	5.908	5.908	5.908	5.908	5.908	5.908	5.908	5.908	
1439295	x	at	EG434179	BB371300	Mm.284947	7	6.579	4.785	4.946	4.983	4.706	4.960	4.960	4.705	4.642	4.619	4.624	4.837	4.819	4.828	4.718	4.828	4.815	5.135	5.135	5.135	5.135	5.135	5.135	5.135	
1439296	at		Prickle3	BM229980	Mm.232232	X	5.409	5.421	5.303	5.347	5.399	5.331	5.217	5.255	5.538	5.243	5.011	5.458	5.405	5.348	5.316	5.314	5.277	5.187	5.401	5.141	5.309	5.303	5.320	5.534	
1439297	at		Pif1	AV229174	Mm.211032	9	6.393	6.295	6.055	6.179	6.015	6.083	6.119	6.280	6.243	6.243	6.189	6.309	6.242	6.280	6.100	6.221	6.285	6.052	6.141	6.120	6.120	6.120	6.334	6.226	6.283
1439298	at		NA	BM200180	NA	NA	8.512	8.274	8.514	8.454	8.593	8.435	8.542	8.392	8.299	8.393	8.572	8.405	8.113	8.241	8.515	8.407	8.355	8.314	8.201	8.319	8.168	8.401	8.664	8.428	
1439299	at		NA	BM119331	NA	NA	9.235	8.829	8.989	9.052	9.248	8.876	8.739	9.297	8.817	8.865	8.871	8.863	9.063	8.664	8.871	8.975	9.342	9.023	8.753	9.863	9.056	9.249	9.218	9.142	
1439300	at		Chic1	BG065782	Mm.42223	X	4.905	4.647	4.773	4.732	5.230	4.522	4.551	4.927	4.430	4.442	4.876	4.443	5.199	4.970	4.810	5.054	4.795	4.712	4.795	4.871	4.593	4.562	4.970	4.887	
1439301	at		NA	BM240022	NA	NA	7.448	6.233	7.508	7.621	7.645	7.586	7.851	7.762	7.702	7.585	7.748	7.076	7.512	7.960	7.571	7.413	7.253	7.137	7.335	7.619	7.656	7.370	7.517	7.346	
1439302	at		Ube6	AV286778	Mm.34012	5	7.851	5.954	6.896	7.319	5.672	5.732	5.975	5.825	5.760	5.508	5.779	5.653	5.479	5.923	5.455	5.349	5.455	5.349	5.455	5.349	5.455	5.349	5.455	5.349	
1439303	at		NA	BM216186	NA	NA	4.222	4.173	4.310	4.405	4.246	4.512	4.358	4.224	4.359	4.172	4.380	4.170	4.226	4.266	4.321	4.381	4.254	4.161	4.271	4.349	4.408	4.276	4.463	4.325	
1439304	at		B230216N24Rik	BM422340	Mm.442597	1	6.102	6.321	6.082	5.902	6.108	6.306	6.155	6.242	6.193	6.735	6.375	6.592	6.426	6.223	6.381	6.138	6.142	6.162	6.079	6.080	6.063	6.206	5.872	6.301	
1439305	at		NA	BB011750	NA	NA	5.902	5.981	6.696	6.652	6.339	6.405	6.451	5.648	5.950	6.091	5.933	5.966	5.986	6.265	6.254	6.495	6.186	6.420	6.361	6.413	6.080	5.979	6.495	6.221	
1439306	at		Sohl	BB310452	Mm.216072	17	4.522	4.588	4.494	4.488	4.451	4.652	4.448	4.405	4.385	4.369	4.736	4.412	4.386	4.273	4.513	4.546	4.440	4.535	4.395	4.353	4.318	4.444	4.567	4.376	
1439307	at		NA	BB054169	NA	NA	9.626	9.832	10.117	9.768	9.959	9.914	10.371	9.510	9.873	9.987	9.662	9.702	9.748	9.837	10.124	10.177	9.874	9.752	9.987	9.806	9.665	9.967	9.864	10.352	
1439308	at		Got1l1	AV2837																											

1439357	at	Il17re	BB291414	Mm.131781	6	6.759	6.676	6.682	6.819	6.665	6.714	6.703	6.940	6.531	6.395	6.248	6.426	6.547	6.614	6.683	6.659	6.730	6.732	6.770	6.700	6.572	6.786	6.692		
1439358	a	Nrxn1	BF465348	Mm.312068	17	4.852	4.528	4.746	4.734	4.266	4.500	4.801	4.914	4.573	4.685	4.740	4.849	4.630	4.673	4.781	4.638	4.880	4.751	4.759	4.915	4.701	4.721	4.679	4.747	
1439359	x	Ncapdh2	BF465348	Mm.312068	17	6.569	6.448	6.527	6.510	6.511	6.345	6.567	6.601	6.561	6.345	6.542	6.491	6.655	6.556	6.577	6.710	6.754	6.539	6.521	6.670	6.753	6.561	6.620	6.453	
1439360	x	Ncapdh2	BM244537	Mm.143567	15	11.693	11.605	11.611	11.709	11.613	11.661	11.700	11.766	11.682	11.580	11.582	11.507	11.647	11.657	11.432	11.169	11.888	11.829	11.764	11.688	11.790	11.707	11.611	11.536	
1439361	at	Na	BC787614	NA	NA	4.106	4.002	4.001	3.968	3.874	3.919	4.048	4.003	3.742	3.950	4.132	3.956	3.965	3.959	4.061	3.706	3.946	4.181	4.098	4.249	3.956	4.041	3.962	4.088	
1439362	at	Na	BB776085	NA	NA	7.192	6.372	7.477	6.718	6.245	6.683	6.269	6.010	5.762	5.895	5.561	5.799	5.969	5.592	5.705	7.134	6.899	6.839	6.846	6.414	6.450	6.803	6.459		
1439363	at	120001411R1IK	BB736518	Mm.41903	11	7.427	7.570	7.471	7.554	7.662	7.711	7.561	7.375	7.485	7.478	7.273	7.568	7.369	7.278	7.641	7.500	7.606	7.560	7.443	7.460	7.439	7.555	7.720	7.454	
1439364	a	Mmp2	BF147716	Mm.29564	8	11.002	10.793	10.704	11.109	12.781	11.708	11.274	11.746	12.220	12.391	11.515	13.155	13.342	11.642	12.776	10.665	11.176	11.354	11.525	10.935	11.205	11.218	11.083	11.101	
1439365	at	Mvt1	BB800584	Mm.458718	2	4.162	3.931	3.967	3.975	3.981	3.955	4.005	4.165	4.192	3.999	4.086	3.854	3.982	3.907	3.810	3.924	3.983	4.158	3.974	4.012	4.116	4.126	4.024	3.887	
1439366	at	Grsf1	BB314567	Mm.332474	5	7.482	7.035	7.563	7.471	7.434	7.406	7.519	7.340	7.116	7.124	7.125	7.453	7.278	7.170	7.416	7.348	7.599	7.414	7.500	7.530	7.615	7.398	7.383	7.484	7.645
1439367	x	Arf4	AV148210	Mm.297768	14	9.994	10.133	9.968	9.874	9.762	9.790	10.047	10.015	10.062	10.195	9.910	9.944	9.800	10.187	10.046	9.901	9.567	9.586	9.697	9.590	9.986	9.818	9.969	9.913	
1439368	a	Slc9a3r2	AV002797	Mm.21587	17	11.303	10.890	11.354	11.256	11.240	11.113	11.370	11.998	10.788	11.084	11.739	11.698	11.437	11.172	11.595	11.101	11.286	11.344	10.909	11.101	11.797	11.841	11.813	11.553	
1439369	x	Slc9a3r2	Mm.21587	17	10.853	10.349	10.860	10.738	10.721	10.743	10.948	11.355	10.287	10.517	11.175	11.112	10.845	10.644	11.103	10.825	10.819	10.916	10.477	10.853	11.105	11.211	11.206	11.109	11.209	
1439370	x	Slf5b5	AV167809	Mm.29743	10	4.198	4.204	4.069	4.356	3.993	4.121	4.141	4.292	4.194	4.044	4.059	4.451	4.194	4.247	4.064	3.978	4.168	4.414	4.144	4.172	4.193	4.499	4.215	4.159	
1439371	x	Timm44	AV102008	Mm.195249	8	11.282	11.292	11.415	11.413	11.154	11.462	11.622	11.113	10.999	11.200	11.342	11.212	10.816	11.261	11.182	11.418	11.226	11.419	11.476	11.487	11.280	11.154	11.494	11.689	
1439372	at	Sumo3	AV215710	Mm.24433	10	6.005	5.896	6.026	5.958	5.713	6.222	6.076	5.895	5.727	5.904	5.941	5.686	6.022	5.970	6.187	6.134	6.015	6.065	5.953	6.068	6.019	5.910	6.082	6.003	
1439373	x	Wnt5b	AV303043	Mm.321818	6	5.815	5.780	5.801	5.724	5.699	5.854	5.884	6.053	5.759	5.595	5.736	5.787	5.967	5.778	5.824	5.686	5.726	5.864	5.902	5.742	5.896	5.666	5.575	5.792	
1439374	x	Rps10	AV110855	Mm.383217	17	10.060	10.500	9.680	9.958	10.102	9.954	9.977	10.738	10.809	10.310	10.259	10.293	10.327	10.305	9.919	9.588	10.637	10.309	9.900	9.889	10.534	10.631	9.863	9.450	
1439375	x	Aldoa	AV030922	Mm.275831	7	14.187	14.001	14.113	14.098	14.213	14.041	14.142	14.179	14.001	14.121	14.100	14.229	14.145	14.000	14.072	14.122	14.124	14.214	14.091	14.103	14.117	14.110	14.061	14.018	
1439376	x	Dmt1f	BB357590	Mm.22480	5	3.937	3.804	3.755	3.709	3.716	3.992	3.930	3.752	3.604	3.823	3.736	3.805	3.640	3.536	4.007	3.805	3.954	4.292	3.819	3.819	3.809	3.824	3.925	4.055	
1439377	x	Cdc20	BB041150	Mm.289747	4	7.461	9.967	7.589	7.501	8.420	7.698	7.985	9.202	9.825	9.676	9.810	8.377	8.257	10.181	9.106	7.299	7.157	7.353	7.523	7.577	7.320	7.678	7.009	6.769	
1439378	at	BC048671	AV047904	Mm.233854	6	4.136	4.208	4.026	4.048	4.114	4.410	4.128	4.135	4.185	4.167	4.196	4.007	4.147	4.081	4.127	4.145	4.152	3.994	4.071	4.195	4.126	4.224	4.145	4.212	
1439379	x	Prm1	AV209010	Mm.42733	16	3.631	3.637	3.679	3.712	3.745	3.861	3.885	3.748	3.735	3.740	3.841	3.795	3.638	3.837	3.653	3.786	3.830	4.013	3.875	3.765	3.801	3.751	3.727	3.935	
1439380	x	Meq3	BB093563	Mm.289645	12	9.437	10.475	9.359	9.862	11.076	9.942	9.553	10.283	11.931	11.306	9.884	11.272	11.108	10.423	10.562	9.219	10.020	9.959	9.657	9.176	9.841	9.992	9.398	8.994	
1439381	x	Marveld1	BB142015	Mm.206250	19	10.790	11.095	10.707	10.922	11.202	11.126	10.922	11.046	11.547	11.368	10.810	11.275	11.169	11.118	11.221	11.170	10.594	11.085	11.037	10.861	10.588	10.957	11.192	10.736	10.600
1439382	x	Ddr1	BB378700	Mm.5021	17	7.284	7.553	7.389	7.267	7.734	7.473	7.403	6.979	7.320	7.650	7.518	7.629	7.497	7.385	7.474	7.390	7.297	7.388	7.629	7.229	7.326	7.221	7.442	7.549	
1439383	x	Ppp4	MM257693	Mm.158813	2	8.106	8.782	8.707	8.668	8.664	8.711	8.913	8.720	8.735	8.867	8.720	8.735	8.867	8.720	8.735	8.867	8.720	8.735	8.867	8.720	8.735	8.867	8.720	8.735	
1439384	x	Slc13a3	BB497755	Mm.250738	3	11.12	9.585	9.080	9.045	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	8.483	
1439385	x	Slc13a3	BB497755	Mm.250738	2	6.102	5.829	5.949	5.840	5.880	5.861	5.899	5.873	6.037	5.850	5.877	5.696	5.839	5.885	5.855	5.822	5.834	5.907	5.830	6.150	5.680	5.753	6.109	5.696	
1439386	x	Mat2a	BB319038	Mm.29815	6	6.905	6.338	6.635	6.619	6.683	6.514	6.730	6.700	5.896	6.009	6.340	6.228	6.196	6.238	6.335	6.439	6.430	6.460	6.469	6.387	6.772	6.628	6.847	6.786	
1439387	x	2310061F22RIk	BB253397	Mm.334869	8	9.949	9.536	8.817	8.902	8.916	9.024	9.091	9.450	8.953	8.803	9.412	9.220	9.000	9.156	8.873	8.719	9.412	9.214	8.798	8.810	9.144	9.590	8.906	8.744	
1439388	s	Bcar1	BB251739	Mm.37558	8	8.170	10.081	8.861	9.448	9.937	8.848	9.145	8.885	10.238	9.822	9.779	9.987	9.733	9.512	9.423	8.980	9.655	9.234	9.179	8.813	9.437	9.951	9.115	9.191	
1439389	s	Myadm	BB500055	Mm.29874	7	13.400	13.581	13.276	13.315	13.330	13.352	13.374	13.216	13.785	13.768	13.455	13.388	13.355	13.605	13.616	13.293	12.802	13.002	13.137	13.089	13.034	12.962	13.437	13.209	
1439390	at	1300018117RIk	BB140503	Mm.276193	8	3.992	4.078	3.928	4.225	3.977	4.313	4.160	4.078	3.930	4.038	4.063	3.975	3.860	3.976	4.128	4.120	4.074	4.315	4.169	4.321	4.073	3.966	4.104	4.191	
1439391	at	1001002104RIk	BB094999	Mm.158813	12	8.547	8.065	8.558	8.559	8.650	8.688	8.559	8.290	8.652	8.351	8.234	8.615	8.234	8.615	8.234	8.615	8.234	8.615	8.234	8.615	8.234	8.615	8.234	8.615	
1439392	x	Psmc1	AV170165	Mm.157105	12	5.216	5.044	5.265	5.189	5.149	5.308	5.200	5.234	5.105	5.098	5.435	5.062	5.188	5.153	5.166	5.298	5.190	5.450	5.213	5.916	5.275	5.176	5.281	5.231	
1439393	x	Pp0r2r4	BB363618	Mm.275393	2	10.947	11.337	10.940	11.018	11.100	11.013	10.934	11.170	11.062	11.017	11.079	11.038	11.033	11.177	11.032	10.878	11.126	11.327	11.209	11.131	11.089	10.925	10.939	10.895	
1439394	x	Cdc20	AV213435	Mm.289747	4	4.664	6.970	6.528	6.452	6.723	6.227	6.678	6.781	6.911	6.935	6.615	6.673	6.679	6.762	7.032	6.448	6.487	6.329	6.234	6.321	6.496	6.462	6.388	6.408	
1439395	at	963002512RIk	BB164866	Mm.315879	13	6.336	5.746	6.669	6.153	6.607	6.154	6.001	6.117	5.733	5.763	5.627	5.624	5.939	5.585	5.893	6.692	6.025	6.634	6.472	6.347	6.223	6.984	6.769	6.953	
1439396	x	Gpd1	BB503189	Mm.252391	15	8.357	8.523	8.313	8.193	8.429	8.217	8.263	8.498	8.714	8.540	8.254	8.508	8.368	8.279	8.334	8.233	8.425	8.859	8.915	8.562	8.319	8.293	8.108	8.338	
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1439446	at	BC048507	AV208159	Mm.177840	13	5.925	5.609	5.973	5.729	5.821	5.560	5.302	5.910	5.944	5.737	5.713	6.010	5.774	5.792	5.836	5.733	5.713	5.590	5.838	5.863	6.090	5.485	5.518	5.701
1439447	x at	100042986	AV056887	NA	13	8.398	8.493	8.122	8.208	8.382	8.315	8.396	8.900	8.975	8.671	8.546	8.481	8.511	8.592	8.315	8.445	8.772	8.692	8.367	8.426	8.691	8.676	8.266	8.295
1439448	x at	Tmed9	AV007149	Mm.45233	13	10.625	11.151	10.727	10.391	10.762	10.526	10.593	10.382	10.785	11.016	10.495	10.720	10.489	11.095	10.607	10.496	9.993	10.456	10.351	10.156	10.303	10.250	10.424	10.347
1439449	at	Sa6b1	BB724383	Mm.311655	17	7.254	7.079	7.193	7.130	7.262	6.931	7.133	7.277	7.086	6.944	7.127	6.998	7.042	7.151	7.141	7.076	7.167	6.991	7.175	7.178	7.401	6.875	7.186	7.087
1439450	x at	A230046K03Rik	BB261654	Mm.270577	10	7.595	8.018	7.560	7.580	7.726	7.647	7.379	7.965	8.111	8.158	7.517	8.022	7.957	8.058	7.911	7.521	7.512	7.512	7.434	7.453	7.325	7.460	7.364	
1439451	x at	Grp172b	BB487787	Mm.285146	15	6.884	7.286	6.649	6.679	6.822	6.599	6.590	6.961	6.750	6.569	6.664	6.692	6.525	6.799	6.670	6.595	6.835	6.925	6.835	6.405	6.912	6.850	6.577	
1439452	x at	Dnpep	BB407163	Mm.24680	1	11.770	11.933	11.616	11.785	11.823	11.106	11.705	12.103	12.171	11.936	11.827	12.138	12.002	11.738	11.856	11.337	12.043	11.966	11.776	11.698	12.126	12.156	11.689	11.508
1439453	x at	Rnaseh2c	AV259141	Mm.246200	19	10.081	10.471	9.885	10.051	10.252	9.953	10.092	10.483	10.346	9.944	10.089	10.459	10.205	9.998	9.812	9.737	10.519	10.510	10.150	9.913	10.547	10.616	10.002	9.877
1439454	x at	Tm2d2	AV337733	Mm.28626	8	10.001	10.501	10.127	10.202	10.315	10.086	9.944	10.209	10.670	10.585	9.974	10.454	10.355	10.223	10.166	10.228	10.166	10.228	10.161	10.084	9.888	10.224	10.299	9.997
1439455	x at	Capza1	AV267944	Mm.19142	3	9.784	10.820	9.994	9.603	10.101	9.823	9.940	10.270	10.771	10.869	10.289	10.520	10.430	10.833	10.326	9.821	9.370	9.384	9.535	9.123	9.585	9.887	9.788	9.892
1439456	x at	Atp6a2	BB560955	Mm.25148	X	11.276	11.597	11.089	10.846	11.073	11.016	11.012	10.997	11.447	11.580	11.027	11.365	11.448	11.540	11.400	10.969	10.573	10.573	10.784	10.784	10.429	10.740	10.867	10.914
1439457	x at	Ala12	BB503481	Mm.9852	18	4.229	4.309	4.336	4.194	4.082	4.173	4.243	4.166	4.281	4.225	4.125	4.254	4.190	4.157	4.336	4.292	4.176	4.153	4.248	3.995	4.315	4.411	4.324	4.391
1439458	x at	Ceacam11	AV035510	Mm.36666	7	4.828	4.519	5.213	4.909	4.762	5.427	5.061	5.025	4.672	4.901	4.999	4.472	4.661	4.746	4.997	5.011	5.129	4.951	5.092	5.545	5.082	4.928	4.917	
1439459	x at	Acly	BB276877	Mm.282039	11	9.985	10.564	10.271	9.996	10.084	10.286	10.180	9.932	10.160	10.289	10.169	10.038	10.060	10.532	10.158	10.118	9.657	9.774	9.925	9.726	9.601	9.876	10.110	9.996
1439460	a at	Arf1aap2	BB317953	Mm.43636	2	11.575	11.509	11.730	11.618	11.374	11.596	11.629	11.476	11.103	11.307	11.247	11.491	11.248	11.352	11.446	11.600	11.780	11.730	11.643	11.630	11.600	11.668	11.538	11.486
1439461	x at	Nsmce4a	AV151371	Mm.21714	7	9.199	8.920	9.021	9.107	8.993	8.806	8.998	9.245	8.976	9.003	8.973	9.240	8.914	8.880	8.974	8.981	9.033	9.036	8.983	9.154	9.396	9.448	9.137	9.014
1439462	x at	Tmed10	AV060550	Mm.379159	12	10.326	10.429	10.185	9.969	9.946	9.804	9.918	10.100	10.660	10.434	10.017	10.173	10.065	10.308	9.921	9.957	9.815	9.918	9.893	9.553	9.928	10.063	9.932	9.848
1439463	x at	2810416G20Rik	AV127023	Mm.441017	3	10.296	10.838	10.261	10.371	10.626	10.467	10.366	10.837	10.678	10.486	10.437	10.585	10.549	10.693	10.564	10.272	10.673	10.540	10.307	10.219	10.562	10.667	10.211	10.148
1439464	s at	Tex10	AV279060	Mm.272025	4	8.935	9.752	9.186	8.967	9.164	9.166	9.267	9.217	9.437	9.488	9.323	9.315	9.100	9.608	9.220	9.043	9.075	9.130	8.936	8.772	8.977	9.537	9.172	9.265
1439465	x at	Atp10	AV277339	Mm.440364	5	7.580	7.464	7.612	7.370	7.619	7.406	7.618	7.564	7.703	7.410	7.637	7.663	7.586	7.423	7.769	7.540	7.782	7.828	7.724	7.691	7.612	7.621	7.553	7.539
1439466	s at	Bud31	BB001490	Mm.277413	5	10.770	11.499	10.682	10.630	11.015	10.758	10.822	11.172	11.543	11.209	11.103	11.243	10.976	11.069	10.726	10.639	11.097	11.178	10.721	10.714	11.068	11.099	10.670	10.431
1439467	at	NA	BM240189	NA	NA	10.154	9.683	10.395	10.217	9.987	10.186	10.148	9.894	9.216	9.790	9.882	9.703	9.629	9.526	10.226	10.275	9.929	9.858	9.737	10.134	10.222	10.471	10.559	10.794
1439468	at	NA	BM239035	NA	NA	7.223	6.586	7.117	7.086	7.020	7.289	6.924	7.234	6.877	6.950	7.201	7.072	7.121	6.844	7.371	7.120	7.153	7.362	7.151	7.364	7.251	7.405	7.559	7.494
1439469	at	NA	BM240011	NA	NA	7.236	6.963	7.166	7.153	6.980	7.109	7.280	7.176	7.114	6.979	7.191	6.960	6.950	7.034	7.120	7.188	7.191	7.239	7.237	7.334	7.112	7.064	7.201	7.164
1439470	at	NA	BM214222	NA	NA	8.846	8.547	8.816	8.774	8.767	8.794	8.696	8.837	8.791	8.597	8.722	8.692	8.829	8.479	8.730	8.808	8.740	8.702	8.722	8.982	8.703	8.641	8.817	8.578
1439471	at	NA	BB729871	NA	NA	5.348	5.369	5.107	5.486	5.550	5.210	5.333	5.566	5.542	5.261	5.587	5.453	5.444	5.349	5.166	5.360	5.486	5.554	5.438	5.483	5.402	5.947	5.506	5.420
1439472	at	Gcn11	BB789280	Mm.153014	5	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789	6.789
1439473	at	NA	BB491523	NA	NA	7.151	6.548	7.007	6.967	6.827	6.856	6.959	6.986	6.843	6.968	6.919	7.176	6.874	6.907	7.045	6.936	7.167	6.936	7.167	6.936	7.167	6.936	7.167	6.936
1439474	x at	NA	BB494544	NA	NA	4.120	4.239	3.894	4.245	4.041	3.925	4.052	4.103	4.237	4.047	4.160	4.084	4.233	4.100	4.135	3.932	4.198	4.138	3.997	3.934	4.132	4.079	4.113	4.102
1439475	at	Zfp429	BB667905	Mm.303790	13	6.593	6.069	6.269	6.198	5.829	6.552	6.916	6.404	6.572	6.662	6.158	6.763	6.083	6.361	6.400	6.015	6.399	6.583	6.166	6.186	6.484	6.216	6.351	6.393
1439476	at	Dsg2	BG092030	Mm.345891	18	11.487	11.080	11.541	11.564	11.165	11.535	11.499	10.860	10.598	11.018	10.463	10.965	10.776	10.861	11.299	11.544	11.944	11.963	11.999	11.844	11.657	11.911	11.856	11.684
1439477	at	5430406J06Rik	BB047737	Mm.440651	11	9.746	9.055	9.596	9.526	9.257	9.565	9.433	9.392	8.662	8.900	8.469	9.030	8.963	8.711	9.023	9.570	9.615	9.680	9.378	9.466	9.595	9.949	9.925	9.239
1439478	at	Act1	BB500039	Mm.371675	12	11.505	10.732	11.181	11.447	10.840	11.295	11.563	11.214	9.678	10.124	10.953	10.997	10.506	10.602	11.350	11.158	11.917	12.061	11.917	11.941	11.884	11.710	11.771	11.846
1439479	at	C78577	Mm.26930	1	5.812	5.341	5.676	5.446	5.440	5.349	5.522	5.612	5.353	5.431	5.609	5.208	5.228	5.501	5.446	5.591	5.365	5.479	5.544	5.497	5.457	5.582	5.683	5.417	
1439480	at	ENSMUSG000000	BB596645	Mm.358363	2	7.391	7.909	7.325	7.325	7.573	7.917	7.385	7.599	7.912	7.459	7.392	7.695	7.519	7.429	7.598	7.329	7.932	7.626	7.932	7.626	7.932	7.626	7.932	7.626
1439481	at	Ipo9	BE860012	Mm.271642	1	7.325	8.224	7.437	7.529	7.938	7.756	7.565	8.000	8.086	8.083	7.912	8.016	7.967	8.154	7.980	7.512	7.595	7.671	7.560	7.247	7.469	7.694	7.567	7.478
1439482	at	Uhr1f1b01	BM119523	Mm.291291	17	9.289	8.453	9.448	9.419	9.364	9.368	9.469	9.222	9.146	9.329	9.217	9.317	9.049	9.523	9.243	9.579	9.322	9.403	9.404	9.436	9.299	9.381	9.212	9.393
1439483	at	Alf506816	BM143809	Mm.205125	5	6.599	6.293	6.441	6.613	6.286	6.685	6.605	6.700	6.432	6.366	6.573	6.419	6.585	6.326	6.329	6.422	6.538	6.481	6.422	6.564	6.763	6.657	6.584	6.540
1439484	at	4930431H11Rik	BM245060	Mm.475956	3	10.541	9.218	10.309	9.999	9.976	9.877	9.797	9.331	8.825	9.413	8.273	9.350	9.169	8.793	9.493	10.382	9.310	8.759	8.693	8.927	9.957	10.464	10.603	10.255
1439485	at	Zfp608	AV222442	Mm.192984	18	8.150	7.862	8.066	8.099	8.172	8.189	8.112	8.033	8.304	8.312	7.986	8.214	8.431	8.422	8.437	8.054	7.966	8.015	8.303	8.285	7.845	7.831	7.854	8.087
1439486	at	Kcnk1																											

1439535	at	NA	BB204161	NA	NA	8.245	7.577	8.153	8.002	7.960	8.115	8.321	8.045	7.835	7.744	8.060	7.520	7.862	7.856	7.945	8.304	7.829	7.917	8.074	8.011	7.938	7.662	8.286	7.869	
1439536	at	NA	AV344723	NA	NA	7.763	7.363	7.820	7.722	7.481	7.613	7.682	7.440	7.394	7.455	7.562	7.587	7.301	7.430	7.448	7.905	7.731	7.594	7.715	7.860	7.607	7.564	7.681	7.694	
1439537	at	NA	BG071024	NA	NA	10.141	9.127	9.470	9.530	9.921	9.578	9.228	8.896	9.039	9.221	8.309	9.204	9.140	8.946	9.338	9.659	9.862	9.609	9.400	9.716	9.472	10.010	10.492	10.335	
1439538	at	Ccdc127	BM248385	Mm.101586	13	7.290	6.920	7.232	6.986	7.090	7.271	7.072	6.966	6.950	7.029	6.956	7.045	6.979	7.096	7.125	7.153	7.262	6.949	7.446	7.161	6.943	7.081	7.268	7.086	
1439539	at	Tram2	BB091855	Mm.135630	1	8.512	9.324	8.506	8.571	8.974	8.649	8.510	8.586	9.623	9.294	9.212	9.188	9.222	9.381	8.942	8.508	8.149	8.260	8.511	8.292	8.475	8.194	8.302	8.187	
1439540	at	2-Mar	BF729651	Mm.374865	17	7.313	6.705	7.351	7.178	7.185	7.100	7.175	7.133	6.408	6.826	6.672	7.082	7.131	6.380	7.160	7.193	7.380	7.713	7.173	7.147	7.520	7.131	7.320	7.131	
1439541	at		4930414L22Rik	BQ176011	Mm.440743	6	7.197	7.732	7.393	7.567	7.432	7.553	7.483	6.978	7.303	7.308	7.071	7.482	7.581	7.475	7.247	7.295	7.523	7.838	7.505	7.463	7.181	7.081	7.253	6.952
1439542	at	Zfp651	BF456106	Mm.473702	9	9.522	9.358	9.280	9.424	9.666	9.173	9.448	9.969	9.058	9.264	9.499	9.517	9.364	9.133	9.268	9.221	10.073	9.869	9.632	9.633	9.813	10.089	9.424	9.471	
1439543	at		1110064A23Rik	BF180451	Mm.69566	2	7.071	6.671	6.888	6.867	6.773	6.768	6.861	6.810	6.955	6.737	6.870	6.627	6.877	6.686	6.778	6.789	6.814	6.886	6.859	6.990	6.700	6.814	6.894	6.764
1439544	at		Tbc1d5	BM119828	Mm.120650	17	5.331	5.104	5.544	5.433	5.454	5.472	5.360	5.478	5.107	5.142	5.366	5.391	5.267	5.440	5.389	5.485	5.423	5.352	5.413	5.599	5.424	5.500	5.447	5.225
1439545	at		MM240227	NA	NA	NA	7.636	7.425	7.515	7.624	7.413	7.500	7.285	7.333	7.421	7.494	7.575	7.220	7.456	7.402	7.473	7.568	7.448	7.436	7.696	7.474	7.336	7.126	7.492	7.319
1439546	at		BB807546	Mm.329851	19	8.602	8.313	8.518	8.525	8.479	8.451	8.480	8.577	8.658	8.363	8.520	8.460	8.625	8.614	8.440	8.527	8.574	8.486	8.362	8.670	8.518	8.403	8.513	8.561	
1439547	at		A93007A09Rik	AV257553	Mm.60430	16	3.921	4.080	3.921	3.945	4.005	3.794	3.795	4.100	4.480	4.096	3.913	4.041	3.966	4.038	3.962	3.895	3.980	4.061	3.894	4.115	3.911	3.863	3.807	4.029
1439548	at		Rap2b	BB390705	Mm.422674	3	7.118	7.307	7.156	7.175	7.209	7.279	7.292	7.195	7.324	7.238	7.166	7.162	7.277	7.357	7.207	7.071	7.205	7.236	7.176	7.369	7.210	7.143	6.976	7.016
1439549	at		Prra3	BB164509	Mm.25626	X	9.495	9.265	9.403	9.333	9.883	9.461	9.313	9.849	9.928	10.099	9.694	10.310	10.177	9.626	10.321	9.427	9.195	9.292	9.362	9.258	9.515	9.618	9.776	9.758
1439550	at		Tnrc18	AV321031	Mm.354649	5	7.877	8.206	7.861	7.902	7.780	7.813	7.758	8.044	8.618	8.240	7.869	8.357	8.149	8.278	8.210	7.694	8.044	8.065	7.861	7.896	8.108	8.161	7.867	7.439
1439551	at		BC006965	BB834573	Mm.297761	11	5.467	5.210	5.446	5.394	5.586	5.351	5.444	5.448	5.474	5.454	5.564	5.503	5.474	5.412	5.469	5.422	5.708	5.250	5.372	5.830	5.473	5.235	5.371	5.382
1439552	at		Trio	BE985618	Mm.211229	15	5.677	6.049	5.792	5.598	6.030	6.073	5.997	6.151	6.357	6.375	6.095	5.855	6.312	6.122	6.109	6.006	5.912	5.950	5.850	5.788	5.936	5.846	6.133	6.020
1439553	s at		Nuf2	AU018817	Mm.269188	8	10.345	10.830	10.010	10.195	10.311	10.137	10.360	10.645	10.681	10.421	10.424	10.597	10.239	10.569	10.059	10.097	10.535	10.511	10.222	10.118	10.432	10.663	9.996	9.939
1439554	at		NA	AV323498	NA	NA	5.850	5.916	6.135	6.260	5.749	6.014	5.905	5.878	5.927	5.988	5.808	6.131	5.852	5.894	5.964	5.988	6.071	5.951	6.036	6.054	6.046	6.085	6.180	6.010
1439555	at		Rif	BB704706	Mm.215745	4	6.928	7.625	6.899	6.746	7.191	6.797	6.481	6.615	7.024	6.922	6.642	6.979	6.874	7.021	7.035	6.785	6.640	6.658	6.097	6.749	6.776	7.000	7.027	
1439556	at		Ncam1	BM201198	Mm.4974	9	4.439	4.859	4.547	4.527	4.811	4.823	4.525	4.393	5.610	5.160	5.059	4.651	4.905	4.972	4.821	4.542	4.345	4.319	4.585	4.657	4.462	4.415	4.364	4.560
1439557	s at		Ldb2	BB097063	Mm.25785	5	8.029	8.124	7.824	8.072	8.321	7.964	8.072	8.170	8.147	8.448	8.039	8.312	7.962	8.217	8.003	7.961	7.740	7.975	7.938	7.723	7.663	7.583	7.782	7.589
1439558	at		Zfp317	BM172939	Mm.67366	9	6.645	6.566	6.928	6.521	6.426	6.738	6.772	6.570	6.320	6.614	6.392	6.603	6.135	6.470	6.610	6.757	6.494	6.507	6.672	6.371	6.579	6.907	6.674	6.877
1439559	at		1700040D17Rik	AV260432	Mm.87305	3	5.100	5.040	5.221	5.120	5.060	5.132	5.226	5.072	5.080	5.028	5.137	5.047	5.095	4.995	5.014	5.114	5.157	5.031	4.995	5.074	5.072	5.022	5.144	5.198
1439560	x at		EG432995	AV066667	Mm.271618	16	7.852	7.609	7.848	7.874	7.840	7.690	7.854	8.012	7.651	7.675	7.802	7.524	7.801	7.698	7.772	7.889	7.803	7.914	8.009	8.010	8.054	7.783	7.994	8.068
1439561	at		2010012005Rik	BM271635	Mm.271635	19	5.595	5.666	5.524	5.598	5.974	5.847	5.596	5.412	5.495	5.547	5.547	5.512	5.372	5.567	5.493	5.571	5.683	5.571	5.614	5.615	5.944	5.615	5.944	5.615
1439562	at		BG071041	BC071041	Mm.120919	4	7.088	6.642	6.124	6.137	6.846	6.202	6.235	6.573	6.633	6.427	6.538	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833	6.833
1439563	at		Zfp3	BB309203	Mm.40966	11	7.196	7.242	7.010	7.330	7.116	7.335	7.276	7.307	7.021	7.032	6.981	7.252	7.101	7.228	7.000	7.235	7.556	7.385	7.612	7.447	7.112	7.298	7.004	7.180
1439564	at		1700090G07Rik	AV270327	Mm.67234	17	6.761	6.207	6.680	6.560	6.495	6.387	6.630	6.413	6.413	6.208	6.981	6.335	6.452	6.393	6.588	6.519	6.541	6.523	6.645	7.003	6.702	6.716	6.714	6.569
1439565	at		2810002009Rik	AW492303	Mm.182867	X	7.988	7.963	7.637	7.768	7.946	7.894	8.067	8.032	8.071	8.070	8.235	8.061	8.147	8.015	8.176	7.930	7.964	8.119	8.188	8.103	7.776	7.801	7.742	7.820
1439566	at		Gprn3	BB245733	Mm.138080	6	4.059	4.235	4.077	4.188	4.301	4.060	4.143	4.326	4.495	4.542	4.385	4.431	4.822	4.427	4.338	4.098	4.178	4.260	4.337	4.404	4.314	4.064	4.275	4.181
1439567	at		Tbx3	BF466144	Mm.219139	5	6.540	6.252	6.337	6.421	6.473	6.162	6.251	6.409	6.490	6.340	6.323	6.499	6.331	6.337	6.300	6.535	6.312	6.294	6.580	6.538	6.682	6.547	6.493	6.516
1439568	at		Greb1	AV373997	Mm.466550	12	6.572	6.246	6.486	6.413	6.451	6.538	6.149	6.452	6.845	6.590	6.428	6.810	6.759	6.397	6.444	6.513	6.318	6.420	6.340	6.611	6.288	6.251	6.318	6.254
1439569	at		Ukr3	BB525461	Mm.3672	9	5.032	5.390	4.907	4.761	6.790	6.913	6.960	6.896	6.987	6.968	6.507	6.509	6.876	6.507	6.512	6.895	6.923	6.499	6.073	6.947	6.036	6.828	5.198	
1439570	at		Gm444	BE957182	Mm.332287	5	7.296	7.218	7.232	7.244	7.483	7.064	7.272	7.466	7.736	7.372	7.303	7.645	7.818	7.429	7.344	7.363	7.294	7.179	7.341	7.217	7.395	7.260	7.366	7.134
1439571	at		E23000423Rik	BB820889	Mm.194241	19	5.333	5.204	5.463	5.524	5.530	5.241	5.287	5.347	5.071	5.362	5.253	5.186	5.296	5.122	5.244	5.503	5.174	5.447	5.260	5.365	5.292	5.438	5.155	5.058
1439572	at		NA	BB801608	NA	NA	6.797	6.838	6.675	6.771	6.918	6.994	6.922	6.573	6.794	6.975	6.565	6.807	6.557	6.810	7.008	6.906	6.941	6.584	6.974	6.735	6.521	6.927	7.032	7.016
1439573	at		Rtn4r12	BE992565	Mm.86447	2	8.777	8.473	8.618	8.573	8.410	8.538	8.449	8.436	8.507	8.404	9.054	8.240	8.351	8.883	8.608	8.701	8.330	8.287	8.211	8.318	8.561	8.487	8.996	8.863
1439574	at		1110020A21Rik	BF173705	Mm.251454	17	7.340	7.105	7.263	7.216	7.339	7.120	7.352	7.418	6.969	6.953	7.205	7.186	7.216	7.068	7.081	7.247	7.303	7.285	7.356	7.584	7.431	7.398	7.410	7.243
1439575	at		E13000912Rik	AV276323	Mm.141275	17	4.650	4.504	4.564	4																				

1439624	at	Uqt2b35	AA572504	Mm.312095	5	5.768	5.547	5.699	5.682	5.659	5.553	5.922	5.690	5.720	5.596	5.798	5.548	5.731	5.692	5.734	5.602	5.973	5.572	5.864	5.898	5.859	5.699	5.749	5.829
1439625	at	NA	AI558108	NA	NA	8.841	8.342	8.645	8.709	8.459	8.553	8.650	8.565	8.533	8.251	8.672	8.334	8.445	8.538	8.605	8.615	8.557	8.642	8.552	8.795	8.634	8.414	8.700	8.821
1439626	at	Tmod3	BB209799	Mm.38445	9	5.604	5.400	5.558	5.336	5.448	5.258	5.438	5.464	5.241	5.524	5.333	5.482	5.340	5.301	5.485	5.511	5.282	5.296	5.158	5.057	5.449	5.718	5.662	5.323
1439627	at	Zic1	AV031691	Mm.335350	9	3.740	3.551	3.707	3.723	3.640	3.675	3.808	3.616	3.709	3.698	3.685	3.640	3.622	3.680	3.643	3.616	3.720	3.650	3.699	3.526	3.721	3.632	3.726	3.628
1439628	x	at	RAi38	AV264757	Mm.276669	7	8.754	8.211	8.688	8.735	8.510	8.670	8.814	8.543	8.452	8.393	8.692	8.869	8.540	8.628	8.582	8.524	8.549	8.387	8.630	8.815	8.733	8.404	8.929
1439629	at	Nrxn3	BB393078	Mm.425766	12	10.370	10.039	10.161	10.293	10.130	10.056	10.302	10.179	10.334	10.154	10.404	10.069	10.400	10.271	10.237	10.247	10.110	9.996	10.193	10.299	10.159	10.050	10.298	10.144
1439630	x	at	Sbsn	AI844734	Mm.250717	7	7.299	7.449	7.311	7.326	7.122	7.265	7.534	7.451	7.364	7.271	7.124	7.907	7.706	7.620	7.126	7.454	7.504	7.401	7.737	7.385	6.951	7.058	6.798
1439631	at	Zcchc11	BG060248	Mm.25181	4	6.769	6.920	7.217	7.057	6.850	7.176	7.155	6.969	6.832	6.911	6.594	7.124	7.144	7.068	7.204	7.125	7.113	7.098	6.900	7.007	7.065	7.352	7.106	7.111
1439632	at	NA	BO174397	NA	NA	7.437	7.495	7.613	7.614	7.776	7.738	7.797	7.787	7.698	7.759	7.773	7.988	7.911	7.706	7.750	7.510	7.627	7.814	7.577	7.719	7.647	7.847	7.798	7.569
1439633	at	Syt7	BO175636	Mm.182654	19	8.724	8.178	8.915	8.774	8.610	8.514	8.667	8.584	8.292	8.242	8.600	8.526	8.619	8.466	8.391	8.822	8.787	8.714	8.687	8.728	8.885	8.748	8.850	8.808
1439634	at	Tldc130	AW490446	Mm.233833	10	5.064	4.981	5.249	5.146	5.344	5.317	5.375	5.253	5.368	5.247	5.281	5.178	5.361	5.153	5.232	5.054	5.101	5.302	5.230	5.383	5.162	5.082	5.863	5.297
1439635	at	Rps9	BB500298	Mm.38548	11	6.126	5.622	5.982	5.917	5.714	5.718	5.989	6.149	5.639	5.774	5.896	5.921	5.917	5.828	5.752	5.910	6.037	5.643	5.814	6.089	6.248	6.030	5.939	5.996
1439636	at	NA	BC067461	Mm.212174	7	4.059	4.196	4.256	4.109	4.373	4.093	4.115	4.228	4.175	4.122	4.153	4.205	4.324	4.161	4.277	4.265	4.201	4.081	4.168	4.410	4.433	4.173	4.352	4.168
1439637	at	Kif7	BG064841	Mm.101633	7	8.108	7.905	8.029	7.909	7.971	8.025	8.097	7.964	7.963	8.082	7.981	7.944	8.021	7.895	8.171	7.815	7.984	7.981	7.988	8.162	8.014	7.902	7.841	7.914
1439638	at	NA	BB336138	NA	NA	5.936	5.836	5.876	5.714	5.736	5.751	5.870	5.895	5.983	6.215	5.696	6.167	6.285	5.941	6.337	6.022	5.881	5.537	5.736	5.583	6.015	6.140	5.924	5.912
1439639	at	NA	AW990650	NA	NA	7.621	7.780	7.254	7.475	7.514	7.269	7.049	7.328	7.530	7.489	7.391	7.282	7.118	7.081	7.383	7.356	7.051	7.400	7.117	6.859	7.255	7.253	7.464	7.385
1439640	at	NA	AV381105	NA	NA	7.868	7.949	7.797	7.857	7.663	7.637	7.753	7.760	7.768	7.674	7.628	7.744	7.621	7.662	7.713	7.741	7.977	7.893	7.741	7.720	7.764	7.976	7.725	7.721
1439641	at	LOC553090	BB772788	Mm.296389	NA	4.863	4.824	4.830	4.814	4.602	5.017	4.896	4.438	4.821	4.576	4.428	4.534	4.901	4.802	4.647	4.757	4.904	4.986	5.081	4.861	4.886	4.814	4.623	4.814
1439642	at	5930403N24Rik	BB308657	Mm.386902	10	4.791	5.228	4.980	5.009	5.085	5.068	5.045	5.179	5.587	5.196	4.944	5.006	5.471	5.012	4.981	4.939	5.145	5.113	5.069	5.121	5.137	4.752	5.082	4.990
1439643	at	NA	BC076154	NA	NA	7.730	7.852	8.024	7.698	7.457	8.041	7.802	7.841	7.721	7.927	7.726	7.728	7.557	7.626	7.968	7.899	7.733	7.777	8.064	7.917	7.861	7.464	8.070	8.103
1439644	at	NA	BE943682	NA	NA	6.105	6.102	6.382	6.066	6.089	6.138	6.195	6.217	6.332	6.090	6.179	6.146	6.338	6.207	6.180	6.138	6.016	6.372	6.230	6.326	5.987	6.157	6.231	5.756
1439645	at	Adra2b	BC031032	Mm.347390	2	6.085	6.080	6.272	6.292	6.083	6.286	6.299	6.312	6.072	6.071	6.197	6.059	6.187	6.109	6.029	6.161	6.284	6.045	6.322	6.244	6.323	6.357	6.366	6.075
1439646	at	NA	BB026034	NA	NA	6.416	6.555	5.960	5.908	5.845	6.037	5.924	5.957	5.628	5.741	5.986	5.739	5.865	5.943	6.130	6.051	5.917	6.189	6.062	6.201	5.912	6.091	5.992	6.211
1439647	at	OTTMUSG000000	AV257990	Mm.425173	4	8.246	7.967	8.132	8.205	8.148	8.094	8.210	8.227	8.105	7.972	8.305	8.039	8.156	8.414	8.042	8.130	8.024	8.131	8.197	8.302	8.142	7.971	8.156	7.979
1439648	at	Anln	BB313429	Mm.282751	9	5.935	6.148	5.782	5.648	5.800	5.615	5.773	5.887	6.224	6.001	6.017	5.581	5.929	6.107	5.943	5.894	5.555	5.706	5.543	5.841	5.732	5.869	5.730	5.707
1439649	at	Adc	AV282351	Mm.215814	4	7.469	7.477	7.367	7.505	7.531	7.489	7.496	7.353	7.782	7.559	7.740	7.608	7.591	7.627	7.364	7.508	7.626	7.538	7.517	7.469	7.446	7.476	7.464	7.431
1439650	at	Rnq4	BB0072267	Mm.192590	11	6.907	7.955	8.596	8.735	8.958	8.617	8.958	8.546	8.496	8.562	8.671	8.392	8.369	8.330	8.232	8.644	7.955	8.257	8.630	8.154	7.957	8.257	8.154	7.957
1439651	at	NA	AV3700065	NA	NA	7.463	7.985	6.966	7.907	6.570	6.766	7.728	7.102	6.934	6.792	7.247	6.842	6.853	7.033	6.777	6.726	6.768	6.877	6.887	6.668	6.782	6.682	6.866	6.686
1439652	at	NA	BB667934	NA	NA	8.634	8.449	8.586	8.614	8.695	8.683	8.360	8.542	8.234	8.371	7.919	8.372	8.266	7.905	8.458	8.687	8.692	8.651	8.314	8.503	8.636	8.846	8.940	8.383
1439653	at	Adam6	AV283162	Mm.188683	12	4.568	4.074	4.411	4.231	4.271	4.215	4.408	4.393	4.480	4.379	4.310	4.160	4.348	4.249	4.459	4.197	4.363	4.205	4.359	4.509	4.557	4.263	4.415	4.375
1439654	at	EG319225	AV336439	Mm.459484	9	4.321	4.405	4.423	4.592	4.457	4.586	4.387	4.644	4.343	4.737	4.163	4.865	4.538	4.366	4.788	4.302	4.658	4.580	4.560	4.567	4.332	4.560	4.836	4.277
1439655	at	NA	BC064372	NA	NA	6.282	6.139	5.949	6.006	6.096	6.032	6.168	6.235	6.190	5.969	6.219	5.869	6.181	6.096	6.088	5.472	5.872	6.250	6.101	6.381	6.152	6.006	6.265	6.116
1439656	at	Pafah1b1	BG069339	Mm.397111	11	6.539	6.646	6.859	6.664	6.469	7.098	6.763	6.726	6.723	6.709	6.713	6.811	6.704	6.719	6.731	6.761	6.768	6.599	6.788	6.790	6.677	6.690	6.695	6.658
1439657	at	100039307	BB206098	Mm.387016	1	7.656	7.220	7.309	7.403	7.307	7.494	7.262	7.636	7.242	7.201	7.447	7.282	7.180	7.475	7.395	7.464	7.543	7.446	7.411	7.574	7.659	7.298	7.441	7.398
1439658	at	Lmo23	AV274496	Mm.38163	6	10.567	10.635	10.778	10.858	17.486	17.729	17.502	17.700	15.02	16.993	17.460	17.044	17.345	17.055	17.822	17.923	17.915	17.925	17.932	17.935	17.932	17.932	17.932	17.932
1439659	at	Usp49	BB014981	Mm.53993	17	7.742	7.434	7.649	7.722	7.727	7.673	7.665	7.869	7.639	7.433	7.647	7.739	7.522	7.614	7.634	7.683	7.807	7.610	7.705	7.543	7.673	7.787	7.644	7.538
1439660	at	Hivep3	BB309576	Mm.302758	4	8.124	7.664	7.843	7.935	8.218	7.788	7.939	7.825	8.288	8.151	8.049	7.872	8.042	7.855	8.011	7.928	7.881	7.858	7.856	7.851	7.948	8.227	8.173	7.956
1439661	at	Slic16a14	BD426676	Mm.158754	1	6.711	6.440	6.760	6.550	6.800	6.692	6.689	6.770	6.858	6.489	6.790	6.564	6.631	6.539	6.610	6.909	6.573	6.538	6.637	6.682	6.842	6.853	6.760	6.760
1439662	at	Home1	BM124609	Mm.37533	13	9.864	9.540	10.094	9.428	9.395	9.713	9.760	9.520	8.871	9.327	9.493	9.371	9.191	9.037	9.441	10.090	9.410	9.655	9.905	9.696	9.478	9.591	9.545	9.843
1439663	at	Ptch1	BB040049	Mm.228798	13	5.810	5.633	5.467	5.696	5.589	5.727	5.588	5.936	5.678	5.594	5.514	5.680	5.683	5.634	5.778	5.557	5.817	5.676	5.457	5.844	6.053	5.758	6.018	5.960
1439664	at	Wvr68	BG075928	Mm.307455	11	7.003	7.434	6.967	7.088	7.160	7.265	7.071	7.114	7.134	7.023	7.028	7.086	6.913	7.041	7.046	7.026	7.185	7.094	7.283	7.126	6.967	6.953	7.346	6.789

1439713	at	Itqa1	AV372559R	Mm.475910	13	6.187	6.270	6.237	6.258	5.820	6.146	6.402	6.235	6.148	6.212	6.149	6.514	6.470	6.145	6.304	6.362	6.030	6.310	6.478	6.680	6.184	6.312	6.282	6.486
1439714	at	NA	BM120259	NA	NA	5.880	5.657	5.844	5.621	5.514	5.680	5.993	5.513	5.723	5.493	5.755	5.693	5.691	5.604	5.640	5.679	5.506	5.658	5.766	5.985	5.731	5.655	5.682	5.781
1439715	at	Osnepl1	BB208506	Mm.475930		1	6.872	6.570	6.855	6.846	6.717	6.809	6.999	6.796	6.430	6.583	6.681	6.456	5.686	6.594	6.766	6.773	6.942	6.964	7.026	7.141	6.643	6.757	6.947
1439716	at	Pwml4	AV380798	Mm.334969	9	4.868	4.911	4.938	4.947	4.872	5.016	5.003	4.728	4.855	4.858	5.132	4.468	5.054	4.689	4.747	4.983	4.740	4.728	4.820	4.977	4.779	4.465	4.592	4.879
1439717	at	Calbr3	BB316190	Mm.434343	7	4.869	4.890	4.793	4.862	4.672	4.509	4.951	4.884	4.718	4.793	4.690	4.614	4.660	4.732	4.077	4.936	4.926	4.789	4.988	5.175	4.772	4.744	4.736	4.807
1439718	at	NA	BB228703	NA	NA	6.493	6.106	6.483	6.408	6.332	6.180	6.400	6.170	6.216	6.252	6.342	6.150	6.355	6.230	6.303	6.287	6.464	6.488	6.442	6.645	6.371	6.286	6.452	6.358
1439719	at	E4300040NR4IK	BB201286	Mm.123021	10	4.328	4.412	4.444	4.453	4.256	4.535	4.243	4.360	4.182	4.223	4.324	4.184	4.293	4.307	4.324	4.341	4.289	4.309	4.443	4.640	4.317	4.410	4.452	4.494
1439720	at	Ralsq5	AV263855	Mm.274249	2	7.651	7.369	7.483	7.346	7.461	7.290	7.283	7.539	7.282	7.171	7.458	7.411	7.084	7.385	7.244	7.266	7.493	7.319	7.328	7.359	7.408	7.220	7.276	7.240
1439721	at	BM2621	BM226899	Mm.235303	9	5.569	5.354	5.681	5.616	5.356	5.665	5.288	5.426	5.343	5.424	5.544	5.428	5.575	5.416	5.650	5.539	5.481	5.589	5.635	5.519	5.521	5.538	5.476	5.455
1439722	at	NA	BB165972	NA	NA	5.259	5.151	5.013	4.882	4.938	5.153	5.150	5.277	4.892	5.011	5.170	5.171	5.148	4.960	5.186	5.051	5.426	5.019	5.285	5.231	5.071	5.226	4.959	5.133
1439723	at	S730590G19RIK	BB200112	Mm.28132	7	6.855	6.651	6.913	6.943	6.756	6.672	6.659	6.528	6.555	6.600	6.898	6.460	6.735	6.798	6.702	6.710	6.626	6.712	6.839	6.788	6.795	6.605	6.924	6.982
1439724	at	Ricb9	BB128965	Mm.18936	10	7.295	6.845	7.007	7.173	7.395	7.232	7.190	7.211	7.011	6.856	7.097	7.126	7.207	7.091	7.214	7.178	7.517	7.297	7.709	7.523	7.413	6.991	7.206	7.037
1439725	at	Piprt	BB384963	Mm.235807	2	7.608	7.026	7.552	7.552	7.467	7.423	7.562	7.432	7.356	7.383	7.557	7.353	7.389	7.395	7.442	7.540	7.433	7.498	7.509	7.644	7.704	7.388	7.570	7.492
1439726	at	Tmem186	BB451779	Mm.10068	16	7.663	7.634	7.599	7.711	7.542	7.740	7.658	7.425	7.473	7.503	7.981	7.595	7.447	7.617	7.683	7.637	7.535	7.780	7.634	7.598	7.791	7.430	7.970	7.619
1439727	at	Clca6	AV375098	Mm.442050	3	6.970	6.722	6.804	6.783	6.857	6.676	6.869	6.797	6.757	6.783	6.967	6.729	6.740	6.793	6.809	6.754	6.683	6.856	6.846	6.944	6.627	6.761	6.794	6.752
1439728	at	D330027H18RIK	BB477913	Mm.22818	6	7.747	7.533	7.593	7.529	7.594	7.774	7.744	7.794	7.710	7.661	7.837	7.452	7.675	7.680	7.579	7.660	7.764	7.809	7.706	7.714	7.765	7.714	7.792	7.462
1439729	at	NA	BB463084	NA	NA	4.467	4.393	4.428	4.431	4.422	4.461	4.371	4.434	4.475	4.096	4.499	4.506	4.369	4.380	4.543	4.460	4.589	4.505	4.533	4.362	4.734	4.706	4.533	4.483
1439730	at	NA	BM229080	NA	NA	5.462	5.356	5.452	5.447	5.394	5.208	5.222	5.423	5.435	5.338	5.562	5.471	5.361	5.393	5.352	5.407	5.570	5.291	5.300	5.419	5.499	5.539	5.349	5.314
1439731	at	E130309F12RIK	BB546288	Mm.299460	4	5.030	4.895	4.926	5.059	4.949	5.253	5.099	5.062	5.059	5.064	5.206	4.977	5.127	4.861	5.029	4.950	5.051	5.055	5.159	5.174	5.088	5.154	5.082	5.262
1439732	at	NA	BB129764	NA	NA	4.197	3.946	4.356	4.146	4.271	4.188	4.422	4.156	4.157	4.217	4.459	4.054	4.104	4.269	4.179	4.201	4.107	4.270	4.197	4.351	4.425	4.343	4.400	4.355
1439733	at	NA	BB491819	NA	NA	4.158	4.135	4.153	4.110	4.256	4.189	4.184	4.077	4.121	4.119	4.248	4.077	4.197	4.237	4.215	4.079	4.053	4.063	4.232	4.108	4.203	4.112	4.236	4.231
1439734	at	NA	BB767109	NA	NA	9.080	9.070	8.942	9.656	9.224	9.403	9.138	8.865	8.595	8.831	8.964	8.847	8.824	8.722	8.853	9.059	9.660	9.535	9.151	9.586	9.780	9.504	9.455	9.227
1439735	at	NA	BB709250	NA	NA	4.655	4.390	4.555	4.507	4.540	4.532	4.568	4.581	4.562	4.233	4.400	4.521	4.404	4.486	4.556	4.489	4.522	4.516	4.741	4.494	4.519	4.435	4.359	4.384
1439736	at	5830453J16RIK	BM242442	NA	11	3.946	3.912	4.065	3.833	3.841	3.988	3.970	3.797	3.876	3.848	3.952	3.947	3.867	3.857	3.934	3.945	3.925	4.012	4.129	3.985	3.927	4.017	3.998	4.098
1439737	x at	Med6	AU019660	Mm.279993	12	5.008	4.919	4.854	4.876	4.751	4.615	4.606	4.888	4.892	4.820	4.954	4.966	4.793	4.704	4.844	4.585	4.968	4.908	4.730	4.636	4.702	5.046	4.849	4.754
1439738	at	56304012D4RIK	BB756081	Mm.270569	1	4.596	4.521	4.329	4.454	4.590	4.745	4.515	4.448	4.545	4.485	4.440	4.666	4.488	4.634	4.402	4.527	5.005	4.830	4.736	4.854	4.677	4.582	4.619	4.413
1439739	at	Tsp50	BB128768	Mm.202265	2	6.213	6.044	6.341	6.128	6.257	6.046	6.066	6.326	6.045	6.086	6.356	6.034	6.166	6.298	6.102	6.159	6.202	6.138	6.102	6.098	6.102	6.098	6.102	6.098
1439740	x at	NA	AU018180	Mm.280895	1	11.142	12.346	10.689	10.299	11.518	10.265	10.592	12.468	12.055	10.922	11.979	12.886	12.055	11.833	12.233	11.850	10.568	10.877	10.366	10.351	7.759	10.102	10.171	10.247
1439741	x at	Uck2	AU018180	Mm.280895	1	7.905	8.800	7.558	7.310	8.256	7.461	7.558	8.684	9.036	8.597	9.451	8.494	8.264	8.585	8.300	7.665	6.925	7.214	7.320	7.075	7.366	7.491	7.552	7.785
1439742	at	NA	BM116255	NA	NA	5.305	4.971	4.971	4.997	5.077	5.112	5.048	5.312	4.849	5.106	4.932	5.042	5.109	5.060	5.075	5.088	5.339	5.036	4.989	4.899	5.260	5.122	5.111	5.329
1439743	at	NA	BQ174502	NA	NA	7.679	7.254	7.591	7.801	7.471	7.583	7.690	7.254	7.312	7.273	7.583	7.434	7.483	7.515	7.504	7.626	7.782	7.540	7.598	7.763	7.634	7.610	7.707	7.598
1439744	at	NA	BB339034	NA	NA	7.627	7.491	7.416	7.657	7.629	7.723	7.540	7.483	7.609	7.453	7.483	7.580	7.494	7.632	7.587	7.558	7.386	7.312	7.535	7.579	7.467	7.389	7.473	7.411
1439745	at	Cacno7	AV338037	Mm.214994	7	9.436	9.143	9.469	9.313	9.219	9.520	9.530	9.272	9.183	9.206	9.524	9.154	9.181	9.274	9.553	9.659	9.382	9.552	9.414	9.651	9.299	9.190	9.490	9.578
1439746	at	Dusp27	BM197237	Mm.35315	1	9.194	9.578	9.066	8.857	9.207	8.864	8.887	9.650	9.685	9.614	10.513	9.812	9.521	9.274	9.971	8.992	9.265	9.242	9.137	9.083	9.229	9.093	8.824	9.429
1439747	at	Pleas	BB128768	Mm.202265	2	6.213	6.044	6.341	6.128	6.257	6.046	6.066	6.326	6.045	6.086	6.356	6.034	6.166	6.298	6.102	6.159	6.202	6.138	6.102	6.098	6.102	6.098	6.102	6.098
1439748	at	Dop6	AV328546	Mm.40708	5	4.585	4.249	4.766	4.664	4.483	4.678	4.442	4.506	4.488	4.469	4.882	4.252	4.565	4.514	4.564	4.636	4.412	4.432	4.689	4.811	4.435	4.534	4.332	4.560
1439749	at	Zap07	A1327364	Mm.8038	1	10.002	9.613	9.787	9.884	9.688	9.723	9.899	9.721	9.780	9.661	9.750	9.475	9.780	9.640	9.657	9.815	9.776	9.783	9.813	9.854	9.774	9.665	9.907	9.813
1439750	at	NA	BA1847963	NA	NA	5.855	5.613	5.866	5.860	5.774	5.903	5.725	5.828	5.720	5.738	5.869	5.630	5.740	5.833	5.872	6.118	5.897	5.937	5.893	5.920	5.965	5.855	5.780	6.021
1439751	at	Rslcan18	BE134204	Mm.124021	13	6.586	6.375	6.527	6.587	6.463	6.433	6.588	6.573	6.735	6.614	6.519	6.697	6.359	6.349	6.462	6.378	6.514	6.594	6.374	6.618	6.522	6.539	6.479	6.506
1439752	at	MBout4	BI793488	Mm.324008	8	6.823	6.215	6.644	6.687	6.651	6.690	6.802	6.699	6.623	6.630	6.613	6.434	6.479	6.774	6.484	6.685	6.631	6.959	6.825	6.814	6.729	6.647	6.769	6.849
1439753	x at	Six4	AB189368	Mm.249575	12	4.813	4.612	5.113	4.965	4.832	4.919	4.827	4.829	4.566	4.788	4.264	5.277	5.083	5.014	5.402	5.215	5.037	4.961	5.057	4.850	5.137	5.543	5.089	5.718
1439754	at	Six2																											

1439802	at	Stk35	AV375248	Mm.389329	2	7.508	7.291	7.456	7.557	7.215	7.490	7.442	7.137	6.863	7.351	7.101	7.273	7.194	7.242	7.262	7.423	7.064	7.211	7.160	7.412	7.438	7.472	7.647	7.578
1439803	at	6430526N21Rik	BE985200	Mm.86607	7	6.954	6.964	6.744	6.960	6.947	6.644	6.786	7.043	6.945	6.916	6.951	6.840	6.867	6.830	6.794	6.930	6.967	6.999	7.065	7.237	6.992	7.476	7.055	6.757
1439804	at	NA	AW489408	NA	NA	8.099	7.563	8.079	7.878	7.796	8.112	7.904	7.729	7.674	7.564	7.643	7.603	7.393	7.704	7.701	8.307	8.184	7.977	8.054	8.123	7.869	8.042	8.010	7.958
1439805	at	Nfat5	BB488160	Mm.390057	8	7.509	7.222	7.443	7.166	7.105	7.263	7.241	7.863	7.602	7.531	7.588	7.810	7.799	7.326	7.415	7.304	7.738	7.474	7.332	7.207	7.613	7.850	7.366	7.151
1439806	at	Nr2a3	BM931203	Mm.120204	1	4.762	5.562	5.808	5.710	5.920	5.675	5.678	5.895	5.767	5.437	5.528	5.567	5.918	5.524	5.713	5.434	5.758	5.772	5.759	5.749	5.732	6.010	5.749	5.849
1439807	at	Trm7f4	BB811619	Mm.411217	15	4.056	4.049	4.068	4.107	3.965	4.307	4.103	4.087	4.057	3.951	4.178	3.993	4.198	4.179	4.097	4.026	4.067	4.007	4.091	4.194	4.230	4.250	3.961	4.162
1439808	at	A130009K04Rik	B0176089	Mm.331674	10	6.334	6.280	6.293	6.194	6.363	6.392	6.426	6.184	6.350	6.294	6.156	6.156	6.527	6.670	6.267	6.325	5.892	6.057	6.074	6.449	6.299	6.183	6.462	6.336
1439809	at	Pramel7	BG066968	Mm.6018	2	5.344	5.251	5.251	5.316	5.367	5.305	5.212	5.469	5.394	5.304	5.415	5.260	5.524	5.424	5.320	5.367	5.378	5.350	5.355	5.415	5.348	5.162	5.593	5.333
1439810	s at	Pramel7	BG066968	Mm.6018	2	5.954	5.429	5.628	5.685	5.566	5.683	5.820	5.854	5.766	5.719	5.844	5.753	5.763	5.710	5.731	5.944	5.574	5.718	5.728	5.855	5.795	5.705	6.007	5.850
1439811	at	Mtr	BF181956	Mm.40335	13	10.383	10.212	10.692	10.216	9.554	10.240	10.457	9.765	9.861	10.136	9.910	9.922	9.744	10.202	10.049	10.665	10.102	10.207	10.152	10.138	10.102	10.052	10.546	10.620
1439812	at	NA	B0173880	NA	NA	6.073	6.161	5.890	5.950	5.511	5.830	6.123	6.322	6.065	5.934	5.987	6.142	5.836	5.990	5.908	5.923	6.322	6.276	5.912	5.986	6.134	6.367	6.308	6.255
1439813	at	NA	BB232083	NA	NA	5.787	5.782	6.057	5.915	5.918	6.078	6.066	5.846	5.723	6.146	5.517	6.050	6.066	5.878	5.762	5.928	5.505	6.088	5.815	5.992	5.625	6.121	5.915	5.803
1439814	at	Atp9b4	BM246630	Mm.222235	2	6.902	7.394	6.635	6.748	6.867	6.765	6.750	6.816	7.325	6.920	6.979	6.696	6.892	7.409	6.794	6.770	6.363	6.657	6.658	6.651	6.633	6.682	6.793	6.673
1439815	at	Heat5b	BF140677	Mm.46309	17	9.867	10.432	10.534	10.107	9.906	10.272	10.416	9.371	10.103	10.114	8.800	9.870	9.866	9.676	9.874	10.470	10.179	10.046	9.321	10.203	8.855	8.810	10.044	10.18
1439816	at	ENSMUSG00000	BM120676	Mm.412928	1	5.234	5.526	5.515	5.083	5.490	5.102	5.583	5.478	5.575	5.407	5.372	5.284	5.501	5.675	5.397	5.165	4.951	5.072	5.323	5.203	5.329	5.170	5.136	5.154
1439817	at	2900064A13Rik	A1451465	Mm.268027	2	7.345	7.359	7.063	7.315	7.342	7.085	7.706	7.490	7.187	7.339	7.302	7.334	7.084	6.730	7.128	7.281	7.455	7.372	7.151	7.052	7.393	7.670	7.139	7.316
1439818	at	AI931714	BM240154	Mm.197630	8	5.431	5.580	5.235	5.332	5.278	5.444	5.403	5.296	5.185	5.424	5.253	5.216	5.559	5.355	5.357	5.329	5.081	5.311	5.594	5.441	5.224	5.045	5.330	5.424
1439819	at	AD015263	BG070233	NA	7	7.295	8.461	7.341	7.721	7.579	7.655	7.714	7.768	9.129	8.957	8.092	7.819	7.859	8.521	8.162	7.402	7.572	7.227	7.336	7.251	7.549	7.371	7.667	7.440
1439820	at	NA	BB364548	NA	NA	8.575	8.732	9.121	9.010	9.042	8.938	8.815	8.782	8.965	9.229	8.935	9.548	9.316	9.194	9.340	9.074	8.878	8.969	8.956	9.023	9.025	9.180	8.696	8.940
1439821	at	Lrp2bp	BB075157	Mm.383914	8	6.846	6.393	6.757	6.950	6.606	6.754	7.330	6.621	6.327	6.465	6.324	6.735	6.600	6.482	6.692	6.847	6.764	6.770	6.498	6.559	6.504	6.914	6.916	6.886
1439822	at	NA	BB024447	NA	NA	4.798	4.542	4.456	4.670	4.422	4.555	4.621	4.485	4.518	4.324	4.509	4.426	4.342	4.463	4.540	4.486	4.583	4.428	4.330	4.362	4.792	4.709	4.539	4.630
1439823	at	NA	BG797330	NA	NA	5.310	5.465	5.054	5.405	5.358	5.301	5.298	5.445	5.500	5.531	5.373	5.476	5.404	5.537	5.339	5.340	5.313	5.299	5.409	5.341	5.293	5.231	5.389	5.298
1439824	at	Chm	BB263701	Mm.257316	X	9.472	9.836	9.641	9.326	9.940	9.494	9.727	9.454	9.457	9.835	9.257	9.677	9.381	9.679	9.619	9.624	9.842	9.377	9.416	9.252	9.363	9.326	9.609	9.573
1439825	at	Dtx3l	BB705351	Mm.390852	16	8.049	8.292	8.050	8.296	8.398	8.310	9.014	8.228	8.306	8.394	8.211	8.270	8.250	8.261	8.346	8.243	8.235	8.250	8.181	8.236	8.223	8.087	8.207	8.042
1439826	at	Hs041480	Mm.89341	2	6.955	6.829	6.919	6.818	6.723	6.889	6.758	6.726	6.830	6.850	6.800	6.878	6.758	6.773	6.723	6.960	6.993	6.971	6.954	7.002	6.764	6.964	6.988	6.862	
1439827	at	Adamt512	BM004039	Mm.476098	15	6.812	7.456	6.962	6.829	7.777	7.096	6.908	7.558	8.585	8.907	7.563	7.904	8.402	8.110	7.784	6.778	6.738	6.600	7.299	6.611	6.787	6.933	7.034	6.901
1439828	at	NA	BB471078	NA	NA	4.457	4.477	4.947	4.414	4.537	4.845	4.678	4.477	4.672	4.672	4.940	4.632	4.478	4.718	4.598	4.529	4.728	4.598	4.728	4.598	4.728	4.598	4.728	4.598
1439829	at	Adcy5	BE946365	Mm.411417	16	5.708	5.666	5.546	5.431	5.638	5.503	5.383	5.526	5.400	5.347	5.170	5.328	5.170	5.403	5.325	5.322	5.508	5.450	5.199	5.276	5.420	5.580	5.408	5.437
1439830	at	Mac3k5	AV377656	Mm.6595	10	10.349	9.796	10.434	10.486	10.081	10.379	10.289	9.527	9.527	9.917	10.430	9.997	9.908	9.847	10.280	10.472	10.245	10.220	10.377	10.280	10.313	10.173	10.591	10.692
1439831	at	NA	AW111920	NA	NA	6.364	5.914	6.251	6.274	6.198	6.196	7.243	6.323	6.263	6.124	6.182	6.169	6.085	6.159	6.348	6.292	6.261	6.317	6.509	6.407	6.187	6.225	6.183	6.428
1439832	at	NA	BG143499	NA	NA	6.522	6.366	6.617	6.678	6.926	6.938	6.835	6.226	6.434	6.623	6.478	6.975	6.445	6.392	6.841	6.791	6.529	6.741	6.851	6.491	6.655	6.679	7.199	6.742
1439833	at	3-Sep	B0176645	Mm.309707	15	4.305	4.478	4.391	4.611	4.631	4.446	4.185	4.639	4.528	4.485	4.456	4.500	4.547	4.580	4.528	4.403	4.383	4.355	4.484	4.231	4.417	4.311	4.291	4.448
1439834	at	2400009B08Rik	AA261399	Mm.415621	8	4.267	4.235	4.524	4.439	4.335	4.309	4.202	4.624	4.627	4.349	4.417	4.381	4.338	4.308	4.490	4.383	4.691	4.447	4.478	4.035	4.296	4.475	4.245	4.499
1439835	x at	Abcd2	BB253618	Mm.295456	15	5.875	5.409	5.822	5.633	5.642	5.790	5.486	5.407	5.675	5.380	5.775	5.269	5.465	5.559	5.601	5.644	5.590	5.901	5.550	5.872	5.733	5.264	5.746	5.609
1439836	at	Abp15	BM160150	Mm.160150	6	11.864	10.693	11.517	11.947	10.595	11.663	14.391	11.535	9.567	10.388	10.564	10.527	10.449	10.872	11.526	11.955	11.967	11.592	11.952	11.967	11.952	11.967	11.952	11.967
1439837	at	Glyr12	BE136147	Mm.23065	1	7.070	6.881	7.468	6.774	6.578	6.942	7.011	6.484	6.851	7.202	7.953	6.924	6.909	7.147	7.034	7.308	6.300	6.835	6.484	6.606	6.720	6.983	6.772	7.383
1439838	a at	Tmie	BE957021	Mm.390229	9	5.755	5.448	5.654	5.703	5.659	5.628	5.758	5.680	5.523	5.460	5.590	5.459	5.623	5.629	5.790	5.772	5.650	5.727	5.744	5.807	5.757	5.606	5.715	5.733
1439839	at	D130051D11Rik	BB815394	Mm.303351	15	6.144	6.561	6.621	6.818	7.064	7.042	6.639	6.843	7.142	7.160	6.470	7.263	7.219	7.002	7.409	6.288	7.605	7.315	7.051	7.109	7.149	7.698	7.281	6.988
1439840	at	Polb	BB208426	Mm.123211	8	7.447	7.549	7.640	7.728	7.722	7.969	7.656	7.186	7.118	7.289	6.554	7.034	6.343	6.778	7.327	7.540	6.891	7.460	7.415	6.995	7.104	6.811	7.789	6.970
1439841	at	Zlfve27	BB780581	Mm.287359	19	6.500	6.390	6.455	6.506	6.417	6.534	6.382	6.322	6.213	6.334	6.082	6.238	6.417	6.321	6.135	6.448	6.542	6.444	6.609	6.446	6.521	6.198	6.566	6.626
1439842	at	Alv8	AW488774	Mm.339982	11	5.868	5.718	5.820	5.825	5.732	5.677	5.788	5.679	5.761	5.681	5.777	5.709	5.738	5.838	5.722	5.689	5.526	5.65						

1439891	at	Zfp703	BF464968	Mm.212469	8	6.851	6.537	6.605	6.733	6.600	6.561	6.672	6.718	6.709		6.713	6.612	6.709	6.523	6.516	6.717	6.516	6.731	6.750	6.766	6.648	6.646	6.594	
1439892	at	Brsk1	BO174737	Mm.297064	7	7.354	7.213	7.206	7.260	7.168	7.097	7.195	7.119	7.223	7.228	7.263	7.193	7.368	7.266	7.163	7.162	7.215	7.304	7.221	7.505	7.328	7.255	7.018	7.262
1439893	at	Mical3	BB205086	Mm.122399	6	6.879	6.443	6.740	6.546	6.582	6.402	6.644	6.784	6.598	6.554	6.669	6.489	6.588	6.501	6.380	6.526	6.707	6.678	6.552	6.757	6.741	6.747	6.842	6.639
1439894	at	A730056106Rik	BB253214	Mm.245784	8	7.774	7.245	7.367	7.662	7.473	7.348	7.656	7.574	7.345	7.267	7.339	7.362	7.500	7.420	7.636	7.356	7.445	7.420	7.435	7.490	7.536	7.692	7.488	7.466
1439895	at	A0021025	BO060874	NA	13	8.134	8.067	9.068	9.395	9.152	9.214	9.124	9.066	9.084	9.346	9.054	9.226	9.340	9.177	9.123	9.100	9.070	9.146	9.379	9.079	9.870	9.166	8.880	
1439896	at	Libl	BB280273	Mm.124176	11	7.209	6.944	7.012	6.926	6.957	6.777	6.943	6.931	7.027	6.887	7.027	6.849	7.012	6.934	6.850	6.917	6.797	6.945	6.824	7.101	7.043	6.821	7.108	6.925
1439897	at	Neml	BE457796	Mm.120298	2	7.768	7.837	7.818	7.748	7.814	7.888	7.878	7.912	7.352	7.867	7.493	7.639	7.653	7.340	7.779	7.963	7.884	7.889	7.904	7.817	7.775	8.089	7.784	7.944
1439898	at	D4Ert6d17e	BO070001	Mm.472885	4	6.102	6.009	5.956	6.084	5.910	6.163	6.157	6.058	5.732	5.776	5.959	5.768	6.031	5.952	5.920	6.166	6.071	5.996	6.021	6.128	6.164	5.916	6.083	6.047
1439899	at	Galnt13	BE995677	Mm.330227	2	4.746	4.754	4.542	4.765	4.575	4.657	4.502	4.486	4.488	4.639	4.440	4.420	4.533	4.574	4.772	4.479	4.312	4.493	4.552	4.694	4.591	4.506	4.428	4.566
1439900	at	NA	BB308405	NA	NA	7.534	7.077	7.529	7.283	7.345	7.169	7.323	7.364	7.480	7.283	7.411	7.383	7.102	7.363	7.600	7.437	7.177	7.297	7.342	7.338	7.235	7.333	7.415	7.320
1439901	at	NA	BO129438	NA	NA	7.938	7.490	7.013	6.877	7.249	7.131	7.135	7.299	6.800	7.267	6.954	7.286	7.249	7.152	7.160	6.942	6.973	7.125	7.023	6.810	6.991	7.586	7.785	6.844
1439902	at	C5ar1	BE952085	Mm.247623	7	5.986	6.967	5.375	5.702	5.706	5.810	5.751	5.262	6.689	6.593	6.379	5.709	5.771	7.060	5.822	5.815	4.747	4.815	5.360	4.928	5.282	4.951	5.565	6.188
1439903	at	Yiefn3	BF466107	Mm.252521	8	7.020	7.010	7.246	7.277	7.253	7.296	7.221	7.357	6.991	7.051	7.407	6.854	7.197	7.178	7.175	7.289	7.248	7.195	7.007	7.451	7.032	7.134	7.328	7.260
1439904	at	CstIs	BB374771	Mm.379337	3	4.437	4.242	4.462	4.317	4.514	4.540	4.467	4.460	4.507	4.351	4.488	4.389	4.401	4.352	4.549	4.607	4.412	4.446	4.397	4.303	4.395	4.423	4.533	4.408
1439905	at	A330062J17Rik	BE948639	Mm.351266	NA	7.032	6.675	6.978	6.990	6.764	6.687	7.048	7.106	6.830	6.623	6.853	6.811	6.832	6.807	6.685	6.980	6.905	6.731	6.966	6.917	6.983	6.812	6.855	6.936
1439906	at	NA	BB184086	NA	NA	7.645	7.754	7.864	8.194	8.393	8.182	8.105	7.853	8.154	8.751	7.481	8.819	8.856	7.989	8.554	7.974	8.178	8.071	8.363	7.949	8.178	8.451	7.925	8.044
1439907	at	NA	BB440983	NA	NA	7.090	7.032	6.959	6.914	7.007	6.852	6.903	7.073	7.110	7.160	6.791	6.839	6.974	6.830	7.085	6.916	7.044	6.840	7.091	6.819	6.864	6.892	6.729	6.896
1439908	at	Zkscan1	BB703579	Mm.213114	5	6.036	5.675	5.736	5.858	5.537	5.770	5.831	5.830	5.702	5.425	5.672	5.809	5.634	5.689	5.524	5.594	5.930	6.206	5.958	5.340	6.281	6.130	5.787	6.019
1439909	at	100040358	BB133660	Mm.461302	18	7.549	7.244	7.468	7.507	7.392	7.520	7.589	7.526	7.540	7.421	7.356	7.577	7.727	7.485	7.435	7.406	7.369	7.457	7.530	7.566	7.396	7.336	7.532	7.227
1439910	at	Tradd	BE995677	Mm.264225	8	7.171	7.005	7.005	7.132	7.080	7.023	7.094	7.144	7.135	7.060	7.148	7.136	7.062	7.068	7.058	7.123	7.008	7.095	7.122	7.058	7.023	7.020	7.147	7.148
1439911	at	NA	BB283577	NA	NA	5.487	5.381	5.681	5.602	5.737	5.705	5.569	5.658	5.676	6.184	5.646	6.088	6.077	5.664	5.976	5.633	5.453	5.620	5.536	5.580	5.595	5.599	5.533	5.534
1439912	at	9430098F02Rik	BB106004	Mm.40874	11	7.220	7.194	7.151	7.176	7.193	6.965	7.164	7.331	7.184	7.179	7.142	7.482	7.293	7.047	7.276	7.142	7.254	7.079	7.208	7.037	7.307	7.388	7.044	7.263
1439913	at	1810053B01Rik	AW490498	Mm.82301	2	6.791	6.626	6.618	6.649	6.577	6.476	6.694	6.714	6.746	6.714	6.938	6.722	6.743	6.808	6.647	6.643	6.770	6.562	6.801	6.671	6.696	6.737	7.662	7.603
1439914	at	4932416H05Rik	AV274085	Mm.305555	2	5.588	5.378	5.462	5.423	5.430	5.417	5.659	5.482	5.235	5.425	5.655	5.717	5.492	5.478	5.561	5.497	5.646	5.690	5.754	5.724	5.341	5.602	5.285	5.570
1439915	at	NA	BO073335	NA	NA	6.153	6.114	6.308	6.267	5.941	6.828	6.486	6.359	5.898	6.394	5.864	6.218	6.426	6.162	6.752	6.399	6.499	6.537	6.456	6.239	6.448	6.684	6.038	6.359
1439916	at	100040872	BB333106	Mm.461862	8	4.181	4.078	4.147	4.151	4.091	3.973	4.082	4.047	4.039	4.048	4.373	4.028	4.045	3.988	3.974	4.105	4.103	4.216	4.390	4.086	4.116	3.917	4.139	4.075
1439917	at	Pzdnd	AW104524	Mm.268797	19	6.486	6.281	6.656	6.325	6.268	6.168	6.254	6.654	6.454	6.468	6.564	6.454	6.468	6.564	6.454	6.468	6.564	6.454	6.468	6.564	6.454	6.468	6.564	6.454
1439918	at	Odf2	BO073463	Mm.330116	2	6.532	6.502	6.416	6.545	6.499	6.707	6.530	7.702	7.455	6.603	7.455	6.603	7.455	6.603	7.455	6.603	7.455	6.603	7.455	6.603	7.455	6.603	7.455	6.603
1439919	at	NA	AW123012	NA	NA	6.622	6.403	6.532	6.601	6.616	6.490	6.690	6.831	6.794	6.577	6.701	6.423	6.752	6.744	6.653	6.420	6.749	6.696	6.664	6.791	6.953	6.659	6.670	6.526
1439920	at	NA	BB080140	NA	NA	6.475	6.206	6.148	6.346	6.256	6.246	6.605	6.041	6.483	6.450	6.315	6.138	6.243	6.205	6.373	6.342	5.829	6.142	6.186	6.173	6.262	6.219	6.675	6.262
1439921	at	100041660	AW282917	Mm.460828	9	6.039	5.626	6.197	5.785	5.874	5.993	5.879	5.819	5.632	5.763	5.894	5.852	5.782	5.824	6.114	6.069	5.765	5.837	6.098	6.308	6.037	5.831	5.905	6.145
1439922	at	Prrc1	BB481914	Mm.29889	18	7.085	7.020	7.045	7.275	7.066	7.069	7.151	7.208	7.276	7.296	7.141	7.237	7.392	7.174	7.187	6.992	7.153	6.979	7.218	6.929	7.151	7.176	7.104	7.002
1439923	at	Tubacp5	BB278779	Mm.284306	7	3.600	3.825	3.802	3.723	3.861	3.751	3.682	3.729	3.600	3.579	3.859	3.766	3.727	3.716	3.715	3.623	3.694	3.808	3.924	3.646	3.726	3.773	3.851	3.724
1439924	x at	Tubacp5	BB278779	Mm.284306	7	3.666	3.779	3.714	3.784	3.793	3.944	3.830	3.953	3.863	3.761	4.017	3.772	3.742	3.818	3.836	3.826	3.855	3.845	3.937	4.018	3.850	3.806	3.904	3.886
1439925	at	Cyp14s1	BO7524	Mm.356	3	5.428	5.065	5.509	5.151	5.390	5.223	5.457	5.444	5.816	5.567	5.420	5.395	5.458	5.474	5.284	5.446	5.391	5.248	5.436	5.445	5.475	5.323	5.449	5.528
1439926	at	Heu1	BB326056	Mm.37138	16	8.467	8.342	8.975	8.664	8.479	8.960	8.694	8.191	8.506	8.769	8.460	8.621	8.633	8.425	8.617	9.002	8.298	8.235	8.411	8.300	8.602	8.685	9.511	8.962
1439927	at	NA	BO064384	NA	NA	7.513	7.099	7.347	7.582	7.716	7.519	7.351	8.033	7.305	7.457	7.275	7.777	7.532	7.448	7.550	7.496	7.896	7.714	7.620	7.676	7.934	7.736	7.724	7.448
1439928	at	NA	BB148843	NA	NA	9.071	8.675	9.079	8.989	9.145	8.917	8.768	8.712	8.765	8.893	8.630	8.945	8.988	8.859	9.092	9.024	8.866	8.996	8.908	8.783	8.955	9.154	9.340	9.194
1439929	at	NA	AW557531	NA	NA	8.492	8.160	8.457	8.427	8.509	8.509	8.458	8.518	8.230	8.444	8.340	8.464	8.273	8.261	8.381	8.635	8.549	8.536	8.465	8.478	8.639	8.971	8.852	8.555
1439930	at	NA	BM240179	NA	NA	7.805	7.347	7.890	7.788	7.863	7.916	7.777	7.747	7.401	7.603	7.490	8.010	7.683	7.790	7.826	7.840	7.845	7.880	7.556	7.879	8.036	8.178	7.808	7.638
1439931	at	Gsk3b	BI076660	Mm.394930	16	8.199	7.750	8.255	8.001	7.847	8.251	8.101	8.181	8.154	8.088	8.524	8.047	8.461	8.356	8.196	8.104	7.844	7.818	8.068	8.158	8.090	8.276	8.272	8.245
1439932	at	Ubrn2b	AW104524	Mm																									

1439980	at	D14Erd725e	BG069320	Mm.438678	14	7.304	6.880	7.112	7.241	7.122	7.273	7.282	6.964	6.876	7.077	6.998	7.024	7.232	7.048	7.119	7.257	6.997	7.102	7.224	7.056	7.095	7.190	7.129		
1439981	at	S830405N20Rik	BB198298	Mm.131264	10	6.240	6.077	6.007	6.181	6.192	6.089	6.178	6.068	6.070	5.942	6.188	5.887	6.139	6.090	6.170	6.108	6.248	6.133	6.211	6.269	6.090	6.098	6.313	6.038	
1439982	at	NA	BB667376	NA	NA	6.205	5.623	6.094	5.686	5.967	6.075	5.915	5.999	6.085	5.941	5.915	5.739	5.899	6.030	5.922	5.825	5.939	6.116	5.865	6.026	5.907	6.005	5.925	5.929	
1439983	a	at	AW743006	Mm.299636	5	5.201	4.827	4.763	4.845	4.701	4.944	4.811	4.748	5.009	4.826	4.655	4.939	4.746	4.958	4.636	4.859	4.822	4.816	4.719	4.880	4.779	5.046	4.823	4.812	
1439984	at	Pbdc2	BB474782	Mm.293591	7	7.739	7.497	7.908	7.701	7.654	7.535	7.775	7.424	7.452	7.621	7.557	7.535	7.477	7.621	7.713	7.578	7.638	7.472	7.542	7.592	7.618	7.523	7.595	7.585	
1439985	at	Abc12	BB013432	Mm.57485	6	6.011	5.678	6.058	5.944	5.805	5.975	5.833	5.951	5.981	5.957	5.708	5.760	5.763	6.018	6.001	5.892	5.841	5.888	5.954	5.877	5.865	6.020	5.939		
1439986	at	Dqki	BE647270	Mm.442505	6	5.303	4.865	5.484	5.182	5.056	5.203	5.188	5.203	5.014	4.961	5.273	5.052	4.936	5.064	5.055	5.142	5.684	5.365	5.458	5.358	5.509	5.064	5.213	5.340	
1439987	at	Grik1	BB277244	Mm.5134	16	5.480	4.982	5.466	5.449	5.084	5.354	5.502	5.501	5.305	4.995	5.534	5.015	5.359	5.259	5.381	5.410	5.320	5.323	5.463	5.464	5.366	5.191	5.452	5.166	
1439988	at	Mrp15	BG066975	Mm.182927	1	7.228	7.128	7.396	7.176	7.103	7.185	7.162	7.141	7.112	7.266	7.015	7.159	6.960	6.949	7.204	7.180	7.171	7.357	7.159	7.233	6.991	7.026	7.410	7.128	
1439989	at	Tsc1	BB668097	Mm.224354	2	6.080	6.044	6.037	6.291	6.052	6.054	6.059	5.975	6.041	5.931	5.857	6.074	6.003	5.877	5.928	6.167	6.010	5.895	6.103	6.030	6.085	6.116	6.255	6.052	
1439990	at	NA	BB460243	NA	NA	4.038	4.159	4.068	3.952	4.143	4.398	3.934	4.120	4.563	4.517	4.207	4.390	4.524	4.164	4.447	3.991	4.038	4.388	4.208	4.088	3.991	3.892	6.378	3.992	
1439991	a	at	Pabpn1	BG067238	Mm.25449	8	5.606	5.527	5.657	5.526	5.640	5.257	5.710	5.661	5.610	5.531	5.379	5.474	5.461	5.701	5.374	5.546	5.580	5.559	5.622	5.471	5.745	5.612	5.624	5.634
1439992	at	NA	BG074134	NA	NA	7.715	7.253	7.835	7.647	7.576	7.751	7.703	7.676	7.680	7.540	7.716	7.464	7.417	7.615	7.769	7.650	7.719	7.848	7.468	7.862	7.644	7.824	7.973		
1439993	at	NA	BM239981	NA	NA	3.977	3.824	3.807	3.855	3.599	3.935	3.977	3.791	3.950	3.886	3.308	3.972	4.021	4.017	3.869	3.737	3.892	3.928	3.937	3.900	3.962	3.937	5.657	3.884	
1439994	at	NA	BB308630	NA	NA	8.327	7.520	8.112	8.385	7.926	8.309	7.887	7.710	7.030	7.668	7.455	8.051	7.709	7.396	7.835	8.370	8.710	8.725	8.689	8.328	8.265	8.352	7.893	8.298	
1439995	at	Nhedc2	AV251613	Mm.441764	3	4.972	5.089	4.927	4.957	4.826	5.046	4.926	4.974	5.557	5.608	5.234	5.081	5.437	5.272	5.007	4.775	4.532	4.672	4.826	4.760	4.944	4.997	5.047	4.827	
1439996	at	Tatdn1	BB293021	Mm.383230	15	6.965	6.734	7.029	6.777	6.855	6.762	6.736	7.026	6.831	6.584	6.963	6.822	6.770	6.998	7.015	6.812	6.843	6.959	6.991	6.939	6.814	6.912	6.982	6.814	
1439997	at	Svn1i	BB426430	Mm.187079	16	5.130	4.937	5.109	5.398	5.026	5.079	5.187	5.072	5.121	5.085	5.193	5.081	5.021	5.114	5.194	5.187	4.982	5.071	5.097	5.384	5.131	4.765	5.290	5.148	
1439998	at	Jmd1c	BB015058	Mm.23846	10	8.003	7.877	7.970	7.925	7.759	7.985	7.870	7.305	7.712	7.874	8.252	7.804	7.882	7.927	7.895	7.952	7.753	7.514	7.651	7.838	7.634	7.623	8.227	7.072	
1439999	at	NA	BB432092	NA	NA	6.198	6.434	6.398	6.258	6.292	6.288	5.725	6.039	6.685	6.412	6.121	6.662	6.850	6.658	6.381	6.140	6.177	6.256	6.037	5.945	6.051	6.413	6.141	6.113	
1440000	at	E330013P04Rik	BG069958	Mm.245813	19	7.456	7.121	7.388	7.314	7.158	7.466	7.461	7.368	7.351	7.322	7.440	7.205	7.271	7.422	7.437	7.401	7.413	7.402	7.582	7.717	7.458	7.348	7.513	7.507	
1440001	at	Rlan	BM116147	Mm.293263	12	7.204	7.623	6.845	7.307	7.425	7.200	7.053	7.265	7.961	7.816	7.250	7.548	7.628	7.722	7.402	7.142	7.204	6.992	7.302	7.120	7.039	6.933	7.060	7.098	
1440002	at	Rnmt	AV324285	Mm.27544	18	6.430	6.187	6.152	6.405	6.566	6.362	6.315	6.335	6.391	6.231	6.415	6.343	6.415	6.292	6.403	6.397	6.174	6.206	6.446	6.459	6.331	6.191	6.621	6.247	
1440003	at	NA	BB433054	NA	NA	7.196	6.461	7.143	6.968	7.123	6.961	7.066	6.768	6.590	6.895	6.765	6.795	6.800	6.766	6.828	7.381	7.023	7.134	7.144	7.098	6.994	6.704	7.087	7.143	
1440004	at	NA	BB431131	NA	NA	6.306	6.242	6.380	6.300	6.359	6.374	6.532	6.309	6.559	6.503	6.429	6.390	6.439	6.571	6.561	6.338	6.224	6.452	6.417	6.564	6.332	6.119	6.332	6.304	
1440005	at	Onecut2	BB667396	Mm.234723	18	5.710	5.681	5.709	5.629	5.667	5.801	5.705	5.850	5.458	5.508	5.577	5.687	5.692	5.701	5.939	5.837	5.932	5.671	5.995	5.646	5.633	5.924	5.681		
1440006	at	NA	BG072787	NA	NA	5.353	5.709	5.547	5.701	5.503	5.680	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	5.458	5.580	
1440007	at	D930003E19Rik	BM376466	Mm.442669	2	6.019	5.392	5.897	6.096	6.086	5.879	5.74	5.858	6.303	5.226	6.335	5.998	6.238	6.330	5.084	5.932	5.952	5.893	5.077	6.167	5.772	5.996	6.167	5.772	
1440008	at	2310043L19Rik	A1414041	Mm.86666	1	6.052	5.869	5.888	6.078	5.766	5.910	5.872	6.040	5.945	5.758	5.901	5.602	5.871	5.906	5.860	5.965	5.934	5.898	6.001	6.273	5.968	5.877	6.073	6.352	
1440009	at	Offr78	AV229538	Mm.184372	7	7.686	7.408	7.808	7.661	7.794	7.786	7.457	7.376	7.729	7.105	7.309	7.524	7.130	7.336	7.700	7.372	7.429	7.432	7.747	7.406	6.973	7.978	7.739		
1440010	at	C230066K19Rik	BG069313	Mm.26135	1	7.426	7.186	7.186	7.032	7.325	7.120	7.106	7.060	7.178	7.187	7.298	7.200	6.971	7.094	7.232	7.333	7.000	7.245	6.987	6.909	7.153	7.042	7.364	7.354	
1440011	at	NA	AV228877	NA	NA	9.003	9.141	8.799	8.753	8.941	8.838	8.796	8.677	9.380	9.277	9.153	9.171	9.229	9.020	8.983	8.700	8.071	8.301	8.207	8.153	8.585	8.795	8.450	8.867	
1440012	at	NA	BM120225	NA	NA	7.527	7.501	7.428	7.335	7.344	7.458	7.383	7.557	7.448	7.780	7.287	7.430	7.541	7.551	7.467	7.449	7.446	7.403	7.221	7.334	7.338	7.443	7.002	7.355	
1440013	at	BG072725	NA	NA	NA	7.859	7.993	8.138	7.976	7.891	8.103	8.010	7.925	7.754	7.896	8.100	7.679	7.994	7.929	7.923	8.100	7.814	7.924	7.862	8.147	7.912	8.300	8.183	7.946	
1440014	at	NA	AV554551	NA	NA	6.551	6.987	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	6.920	
1440015	at	NA	BB528896	NA	NA	6.739	6.714	6.611	6.558	6.755	6.642	6.597	6.903	6.662	6.855	6.896	7.291	7.328	6.709	6.929	6.436	6.586	6.463	6.330	6.598	6.633	6.956	6.632	6.655	
1440016	at	NA	AW553188	NA	NA	5.718	5.443	6.358	5.502	5.501	5.555	5.545	5.636	5.486	5.286	5.460	5.478	5.578	5.631	5.630	5.644	6.154	5.518	5.648	5.492	6.012	6.182	6.276	5.737	
1440017	at	Plekha3	BB280013	Mm.291854	12	4.354	4.346	4.328	4.425	4.414	4.408	4.325	4.194	4.394	4.341	4.349	4.275	4.439	4.523	4.388	4.272	4.277	4.302	4.378	4.547	4.122	4.220	4.582	4.331	
1440018	at	A330043J11Rik	AU067735	NA	3	5.467	5.226	5.569	5.588	5.498	5.586	5.482	5.644	5.291	5.478	5.511	5.606	5.589	5.646	5.612	5.382	5.599	5.632	5.760	5.868	5.783	5.683	5.514	5.532	
1440019	at	NA	BB232423	NA	NA	5.725	5.589	5.815	5.940	5.556	5.756	5.718	5.487	5.629	5.800	5.616	5.688	5.693	5.743	5.742	5.758	5.885	5.764	5.757	6.102	5.662	5.659	5.701	5.709	
1440020	at	NA	BB212045	NA	NA	7.805	5.568	8.011	7.772	8.199	7.960	7.715	7.738	8.410	8.240	7.912	8.157	8.337	7.888	8.020	7.940	7.888	7.854	7.727	7.952	7.923	8.410	8.088	8.235	
1440021	at	Gp20	BB121568	Mm.122997	15	7.097	6.850	7.158	6.994	6.994	7.022																			

1440069	at	NA	BB054062	NA	NA	7.205	6.815	7.294	7.196	7.544	7.209	7.232	7.077	7.077	7.307	7.051	7.077	7.189	7.220	7.363	7.289	7.077	7.258	7.193	7.197	7.401	7.154	7.175	7.265	7.206
1440070	at	Chat	BB541858	MM.442817	14	7.021	6.728	6.885	7.033	6.991	6.736	7.061	6.980	6.772	6.585	7.010	6.757	7.017	6.871	6.852	6.782	6.977	6.826	6.880	6.751	7.097	7.055	6.763	7.095	6.897
1440071	at	Maql1	BB367260	MM.217216	6	6.297	6.183	6.293	6.277	6.271	6.406	6.228	6.346	6.416	6.515	6.438	6.236	6.363	6.328	6.286	6.404	6.477	6.402	6.436	6.349	6.297	6.206	6.412	6.363	
1440072	at	E430022K19Rik	BB205754	MM.446611	6	4.814	4.813	4.886	4.938	4.931	4.699	5.133	4.791	4.653	4.531	4.920	4.756	4.866	4.934	4.805	5.099	4.947	4.813	4.909	5.093	4.946	4.931	5.160	5.193	
1440073	at	Rrn1	BB417350	MM.197486	7	4.934	4.043	3.962	4.056	3.992	4.024	4.026	4.088	3.972	4.117	4.040	3.880	3.976	4.084	4.036	4.054	3.840	4.111	3.936	4.087	3.891	4.035	4.209	3.809	
1440074	at	EG432988	B1734150	NA	15	4.010	3.814	3.905	4.112	3.974	3.970	4.018	3.950	4.091	3.919	3.837	4.020	3.935	3.798	3.930	3.971	4.050	3.996	3.941	4.096	3.977	4.064	4.135	4.063	
1440075	at	PiaS4	BB017364	MM.344248	10	4.853	4.828	5.057	4.802	4.908	4.451	4.899	4.898	4.950	4.895	4.841	4.837	4.668	4.826	4.949	4.709	4.837	4.682	4.820	4.721	4.732	4.757	4.802	4.910	
1440076	at	NA	BM237736	NA	NA	9.068	8.790	9.037	9.044	9.113	9.391	9.170	8.647	8.532	8.685	8.187	8.742	8.643	8.294	8.982	9.289	9.049	8.799	8.875	9.053	8.584	8.855	8.986	9.141	
1440077	at	G330549D23Rik	AV333665	MM.445135	3	4.400	4.441	4.533	4.220	4.930	4.394	4.373	4.464	4.359	4.405	4.417	4.388	4.328	4.243	4.413	4.323	4.343	4.623	4.470	4.402	4.182	4.376	4.493	4.459	
1440078	at	NA	BM122196	NA	NA	8.247	8.105	8.066	7.952	8.117	8.237	8.069	8.052	7.992	8.095	8.189	7.968	7.839	7.913	8.074	8.079	8.117	7.953	7.895	7.987	7.983	8.168	8.179	8.079	
1440079	at	Zmat1	AV222072	MM.336238	X	4.265	4.070	4.278	4.030	3.927	4.317	4.141	3.955	4.063	3.881	4.172	4.069	4.062	4.116	4.079	3.945	3.891	4.049	4.058	4.217	4.116	4.067	4.011	4.093	
1440080	at	NA	BB363851	NA	NA	6.152	5.681	6.000	6.257	5.916	6.108	6.215	5.914	6.028	5.936	6.274	5.868	6.069	6.161	6.112	6.008	5.961	6.146	6.031	6.212	5.988	5.933	6.024	6.045	
1440081	at	Cep192	BB154982	MM.30857	18	4.280	4.287	4.174	4.521	4.228	4.254	4.089	4.063	4.260	4.174	4.232	4.230	4.701	4.277	4.310	4.217	4.185	4.266	4.108	4.023	4.477	4.305	4.217	4.142	
1440082	at	Plk2	AW552837	MM.254494	15	7.884	7.951	7.954	7.941	8.033	7.888	7.985	8.194	8.004	7.820	7.964	7.959	7.994	8.049	8.033	7.893	8.008	7.850	7.848	7.948	7.890	8.034	7.983	8.034	7.834
1440083	at	A430061201Rik	BM214225	MM.446859	4	7.085	7.105	7.102	6.963	6.891	7.167	7.203	6.835	7.310	7.342	6.904	6.931	6.819	6.725	7.113	6.921	6.785	7.024	6.812	6.863	6.396	6.466	7.093	7.102	
1440084	at	NA	AV380966	NA	NA	5.525	5.419	5.717	5.999	6.179	6.288	6.151	5.803	5.700	5.698	5.594	5.914	5.907	5.705	5.611	5.531	6.203	6.610	6.763	6.353	5.856	5.911	5.951	5.846	
1440085	at	Eda2r	AV246296	MM.189270	X	5.822	6.635	6.351	6.227	6.514	6.272	6.467	6.261	6.941	7.097	7.137	6.758	6.996	6.825	6.527	6.072	6.124	6.386	6.531	6.257	6.409	6.667	6.202	5.904	
1440086	at	Rnf182	BB428822	MM.405088	13	6.257	5.919	6.478	6.353	6.367	6.422	6.306	6.574	6.425	6.143	6.317	6.426	6.565	6.372	6.430	6.623	6.448	6.393	6.549	6.627	6.599	6.403	6.427	6.447	
1440087	at	NA	BB560357	NA	NA	5.752	5.226	5.414	5.547	5.300	5.483	5.601	5.494	5.023	5.131	5.035	5.212	5.160	5.226	5.352	5.398	5.803	5.969	5.792	5.815	5.889	5.950	5.531	5.510	
1440088	at	NA	BM119051	NA	NA	5.929	5.575	5.801	5.692	5.553	5.637	5.579	5.774	5.812	5.486	5.548	5.686	5.540	5.691	5.634	5.612	5.708	5.627	6.043	5.834	5.578	5.494	5.751	5.713	
1440089	at	Creb5	BB474990	MM.321138	6	5.250	5.336	5.194	5.086	5.400	5.010	5.069	5.386	5.202	5.207	5.183	5.322	5.130	5.207	5.287	4.973	5.198	5.090	5.050	5.093	5.569	5.467	5.529	5.375	
1440090	at	AI035719	BB475037	MM.288697	12	7.824	7.526	7.723	7.768	7.740	8.007	7.848	8.037	7.529	7.777	7.294	8.124	8.069	7.762	7.816	7.760	8.177	8.095	7.805	8.056	7.946	8.178	8.162	7.774	
1440091	at	Meis2	BB212184	MM.247566	2	7.242	7.317	7.869	7.585	7.707	7.089	7.857	7.235	7.142	7.652	6.488	7.602	7.302	7.569	7.941	7.876	7.844	7.871	8.093	7.856	7.631	7.702	7.194	7.853	
1440092	at	NA	BB497623	NA	NA	8.183	8.463	8.086	8.245	8.425	8.104	8.048	8.113	8.993	8.758	8.762	8.598	8.660	8.449	8.312	8.090	7.956	7.818	7.734	7.973	8.140	8.143	7.824	7.968	
1440093	at	Ednra	BB238381	MM.283168	8	8.554	7.858	8.846	8.502	8.251	7.832	7.912	8.022	7.469	7.743	7.280	7.766	7.781	7.330	7.711	8.745	7.997	7.830	7.583	7.829	8.038	7.948	8.602	8.304	
1440094	at	BC030870	AV371344	MM.387876	8	4.632	4.538	4.583	4.756	4.567	4.390	4.678	4.657	4.636	4.697	4.780	4.427	4.447	4.457	4.700	4.648	4.758	4.641	4.709	4.566	4.616	4.705	4.693	4.622	
1440095	at	NA	BB330308	NA	NA	8.134	7.937	7.877	8.006	7.927	8.368	8.145	7.938	8.145	8.086	8.145	8.086	8.145	8.086	8.145	8.086	8.145	8.086	8.145	8.086	8.145	8.086	8.145	8.086	
1440096	at	ECM05921	BB306931	MM.386931	13	6.983	6.448	6.962	7.218	7.248	6.627	7.188	7.207	6.687	7.094	6.604	7.187	7.237	6.822	7.203	6.999	6.858	6.173	7.585	7.425	6.858	6.955	7.825	6.955	
1440097	at	Mir9	BB022494	MM.260543	12	7.544	7.200	7.332	7.308	7.288	7.234	7.497	7.194	7.390	7.299	7.226	7.164	7.222	7.286	7.240	7.257	7.219	7.227	7.240	7.395	7.352	7.248	7.233	7.537	
1440098	at	D030018L15Rik	BB439708	MM.210567	15	6.637	6.324	6.329	6.393	6.435	6.568	6.638	6.523	6.481	6.425	6.635	6.554	6.381	6.504	6.539	6.494	6.530	6.557	6.521	6.483	6.452	6.149	6.368	6.682	
1440099	at	NA	BB383239	NA	NA	6.539	6.442	6.392	6.400	6.366	6.476	6.418	6.405	6.353	6.301	6.358	6.326	6.380	6.376	6.463	6.401	6.410	6.391	6.531	6.685	6.383	6.197	6.295	6.478	
1440100	at	Ccdc130	BB022843	MM.30095	8	7.381	6.996	7.046	7.253	7.126	6.829	7.044	7.212	7.005	6.958	6.790	7.109	7.079	7.234	7.113	7.199	7.128	7.030	7.010	7.249	7.039	7.167	7.143	7.161	
1440101	at	NA	BB128214	NA	NA	4.748	4.849	4.575	4.641	4.802	4.778	4.784	4.773	4.760	4.685	4.726	4.630	4.780	4.718	4.733	4.829	4.617	4.847	5.118	4.866	4.579	4.906	4.718	4.803	
1440102	at	Slc36a3	AV265826	MM.87054	11	7.554	7.461	7.560	7.494	7.650	7.502	7.563	7.532	7.550	7.472	7.532	7.526	7.509	7.466	7.575	7.364	7.360	7.495	7.526	7.466	7.476	7.450	7.484	7.479	
1440103	at	NA	BB395126	NA	NA	6.395	6.256	6.951	6.672	6.357	6.631	6.519	6.996	6.955	6.320	6.926	6.248	6.815	6.922	6.594	6.922	6.409	6.922	6.409	6.922	6.409	6.922	6.409	6.922	
1440104	at	Rainb2	BB208180	MM.431695	10	5.908	6.027	5.821	5.590	5.392	6.099	6.007	5.103	5.724	5.678	5.603	5.397	5.544	5.629	5.591	5.841	5.614	5.664	5.259	5.333	5.682	5.937	5.598	5.452	
1440105	at	Jlmd2d	AV274019	MM.240457	9	5.576	5.521	5.524	5.624	5.451	5.682	5.605	5.811	5.548	5.544	5.495	5.420	5.733	5.449	5.521	5.562	5.606	5.581	5.674	5.368	5.752	5.731	5.569	5.382	
1440106	at	NA	BB469805	NA	NA	6.266	6.524	6.583	6.575	6.420	6.438	6.441	6.706	6.233	6.485	6.618	6.784	6.868	6.491	6.511	6.470	6.266	6.189	6.381	6.516	6.392	6.735	6.359	6.374	
1440107	at	NA	BB077622	NA	NA	5.277	5.025	5.085	4.972	4.913	5.290	5.158	5.044	4.960	5.111	5.024	4.860	4.827	5.010	4.961	5.124	4.973	4.914	5.085	5.074	4.847	4.966	5.268	5.231	
1440108	at	Foxp2	BM964154	MM.332919	6	5.840	6.823	5.531	5.781	6.512	6.865	6.292	5.862	7.355	5.472	5.756	7.391	7.236	6.953	6.672	5.477	6.481	6.921	6.639	5.848	5.942	5.815	5.736	6.535	
1440109	at	D7Ertdd413e	BB021958	MM.155567	7	3.996	4.007	4.069	3.838	3.748	3.900	3.841	3.906	3.776	3.925	4.121	3.705	3.943	3.850	3.836	3.782	3.978	3.805	3.788	3.800	3.802	4.008	3.968	3.836	
1440110																														

1440158	x	at	Chchd7	BB209663	Mm.27406	4	3.777	3.611	3.809	3.821	3.734	3.774	3.767	3.759	3.806	3.972	3.709	3.754	3.814	3.726	4.006	3.846	3.987	3.737	4.030	4.006	3.899	3.831	3.752	4.000	
1440159	at		1700010B09Rik	AV046850	Mm.395378	14	4.862	4.829	5.287	4.881	4.782	4.866	4.888	4.937	4.655	4.628	4.909	4.694	4.758	4.898	4.954	5.008	5.057	5.065	5.047	4.776	5.105	4.816	4.902	5.015	
1440160	x	at	2010321M09Rik	BB434237		9	10.283	9.954	10.228	10.228	10.085	10.161	10.171	10.129	10.063	10.405	10.130	10.001	10.113	10.154	10.088	10.200	10.149	10.142	10.227	10.242	10.050	10.044	10.310	10.233	
1440161	at	NA		BB378819	NA	NA	4.426	4.502	4.426	4.452	4.540	4.374	4.524	4.371	4.465	4.407	4.451	4.742	4.681	4.455	4.483	4.419	4.355	4.420	4.385	4.508	4.432	4.424	4.420	4.409	
1440162	x	at	AB30043P06	BB444599	Mm.208144	13	5.537	5.730	5.933	5.588	5.584	5.577	5.554	5.712	5.698	5.513	5.690	5.645	5.777	5.923	5.534	5.721	5.964	5.668	5.684	5.824	5.851	5.811	5.986	5.807	
1440163	at	Ccnk	BB392503	Mm.474441		12	8.680	8.734	8.769	8.577	8.700	8.711	8.539	8.278	8.558	8.891	8.473	8.730	8.573	8.658	8.901	8.653	8.367	8.192	8.433	8.537	8.527	8.341	9.185	8.623	
1440164	x	at	Cd8a	BB162313	Mm.41858	6	8.140	7.956	8.050	8.061	8.677	8.030	8.028	7.986	8.038	7.978	8.036	7.895	7.942	8.136	8.004	8.068	7.985	7.956	7.886	7.989	7.995	7.893	8.114	8.021	
1440165	at	Ptprc	BB140726	Mm.391573		1	4.693	5.156	4.452	4.800	4.660	4.744	4.877	4.749	5.564	4.908	4.839	4.692	4.608	5.155	4.922	4.685	4.490	4.363	4.654	4.544	4.482	4.689	4.452	4.613	
1440166	x	at	Htr1d	BB378627	Mm.40573	4	4.447	4.739	4.787	4.673	4.623	4.557	4.592	4.665	4.623	4.556	4.445	4.635	4.416	4.594	4.458	4.461	4.856	4.582	4.558	4.506	4.659	4.495	4.428	4.855	
1440167	s	at	Lpo	BB557975	Mm.209385	16	11.009	11.115	10.822	10.789	11.025	11.035	11.082	11.360	11.417	11.424	11.190	11.125	11.284	11.337	11.079	10.885	10.886	10.788	10.974	10.754	10.822	10.957	10.870	10.794	
1440168	x	at	Kctd7	BB252670	Mm.55812	5	9.950	9.824	9.934	10.023	9.999	9.894	9.958	9.804	9.802	9.754	9.872	9.772	9.958	9.920	9.821	9.995	9.709	9.846	9.961	9.853	9.737	9.653	9.882	9.918	
1440169	x	at	Ifnar2	BB522265	Mm.5834	16	7.672	8.180	7.672	7.746	7.676	7.524	7.788	7.608	8.499	4.842	8.312	8.225	8.158	8.448	7.923	7.575	7.540	7.822	7.623	7.525	7.691	7.756	7.418	7.475	
1440170	at	Ankrd10	BB553811	Mm.12459		8	3.968	3.836	3.904	3.763	3.935	3.808	3.734	3.826	3.831	3.825	3.898	3.794	3.802	3.817	3.746	3.730	3.947	3.914	3.718	4.055	3.637	3.964	3.812	3.941	
1440171	x	at	BM02409G17Rik	BB026409	Mm.379224	7	5.866	5.516	5.886	5.729	5.877	5.810	5.770	5.517	5.775	5.787	5.553	5.688	5.652	5.532	5.731	5.792	5.802	5.769	5.837	5.543	5.697	5.969	5.666	5.706	
1440172	s	at	1700113SH0Rik	AV210811	Mm.78423	10	3.956	3.994	4.047	3.926	3.820	4.295	4.175	4.000	3.798	4.026	3.927	4.001	3.946	3.863	4.053	3.990	4.060	4.198	4.117	4.184	4.256	4.455	4.324	4.025	
1440173	x	at	Selo	BB224329	Mm.3337	1	7.686	7.369	6.535	5.599	5.730	7.211	5.640	5.705	7.652	7.733	9.579	6.122	6.339	7.862	5.782	6.656	5.253	5.300	5.485	4.967	4.711	4.669	4.465	4.937	
1440174	at	E1n30307A14Rik	BB120981	Mm.295265		10	4.293	4.315	4.238	4.431	4.339	4.259	4.420	4.296	4.414	4.291	4.433	4.363	4.398	4.322	4.491	4.209	4.348	4.218	4.399	4.351	4.249	4.327	4.326	4.305	
1440175	at	Epn2	BB082107	Mm.139695		11	4.673	4.616	4.650	4.853	4.763	4.498	4.553	4.740	4.584	4.617	4.633	4.623	4.619	4.521	4.761	4.671	4.778	4.665	4.684	4.978	4.776	4.691	4.675	4.450	
1440176	x	at	1700003F21Rik	AV210477	Mm.404034	2	5.264	5.058	5.449	5.159	5.080	5.246	5.260	5.133	5.249	4.977	5.540	5.145	5.279	5.170	5.142	5.199	5.190	5.264	5.189	5.320	5.335	5.014	5.187	5.059	
1440177	at	Grik3	BM899529	Mm.40896		4	3.777	3.708	3.681	3.774	3.925	3.694	3.927	3.798	3.902	3.777	3.920	3.833	3.631	3.776	3.640	3.744	3.789	3.799	3.913	3.765	3.852	3.808	3.678	3.844	
1440178	x	at	Zap70	BB204558	Mm.8038	1	7.378	7.063	7.314	7.234	7.064	7.064	7.112	7.279	6.984	6.833	7.172	7.002	7.241	7.140	7.082	7.079	7.172	7.250	7.170	7.265	7.443	7.177	7.73	7.234	
1440179	x	at	Rnt1217	BB268139	Mm.295212	10	11.316	10.868	11.205	11.424	10.924	11.145	11.407	11.171	10.431	10.782	10.950	11.083	10.904	10.888	10.953	11.325	11.264	11.120	10.943	11.021	11.314	11.244	11.168	11.311	
1440180	x	at	Zbtb3	AV258279	Mm.23423	19	6.141	5.897	5.981	5.495	5.908	5.829	5.933	6.101	5.782	5.916	5.891	5.956	5.714	5.534	5.588	6.005	6.090	5.919	6.100	5.673	5.934	5.518	5.794	5.917	
1440181	at	Gm1568	AV348660	Mm.29367		12	4.713	4.797	4.728	4.797	4.748	4.747	4.722	4.909	4.684	4.684	4.571	5.031	4.641	4.678	4.841	4.768	4.902	4.835	4.799	4.795	4.778	4.715	4.916	4.809	4.644
1440182	at	Fzd10	BB009658	Mm.197628		5	4.961	4.649	4.646	4.782	4.761	4.550	4.645	4.679	4.669	4.435	4.580	4.501	4.618	4.769	4.332	4.460	4.526	4.823	4.708	4.815	4.604	4.622	4.487	4.750	
1440183	x	at	NA	BB433442	NA	NA	6.993	6.904	7.363	7.409	7.416	7.115	6.969	7.125	6.933	7.058	6.552	7.624	7.093	6.747	7.072	7.097	7.691	7.707	7.227	7.075	7.474	7.815	7.553	7.753	
1440184	at	NA	BB421877	NA	NA	NA	4.588	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	
1440185	at	Sae1	BB293365	Mm.258530		7	9.464	9.158	9.297	9.471	9.313	9.317	9.289	9.152	9.395	9.960	9.133	9.113	9.206	9.223	9.295	9.266	9.000	9.266	9.266	9.266	9.266	9.266	9.266	9.266	
1440186	s	at	Pasn01	AV361125	Mm.44242	5	7.486	7.127	7.171	7.102	7.125	7.184	7.153	7.343	6.875	7.031	7.054	7.048	6.867	6.932	6.887	7.142	7.294	7.181	7.172	7.041	7.162	7.157	7.111	7.325	
1440187	at	Taf3	AV316700	Mm.86343		2	7.376	7.054	7.682	7.445	7.384	7.508	7.513	6.662	6.671	7.177	7.187	7.163	6.824	7.082	7.343	7.863	7.360	7.373	7.803	7.580	7.226	7.377	7.640	7.818	
1440188	at	NA	BE980962	NA	NA	NA	4.006	3.861	4.029	3.998	3.719	3.915	3.944	4.016	4.164	4.215	3.669	3.703	4.099	4.112	3.904	3.936	4.028	3.790	3.775	4.012	3.917	3.953	3.887	3.831	
1440189	at	Ppo2r5a	BE852777	Mm.205569		1	6.009	5.743	5.825	5.891	5.805	5.628	5.880	5.886	5.681	5.787	6.032	5.818	5.938	5.699	5.904	5.727	5.981	5.934	5.918	5.954	5.888	6.001	5.818	6.013	
1440190	at	Len9g	AI847494	Mm.347643		7	6.683	6.297	6.238	6.574	6.468	6.195	6.291	6.515	6.312	6.255	6.415	6.377	6.405	6.334	6.251	6.334	6.402	6.274	6.253	6.326	6.399	6.330	6.392	6.245	
1440191	s	at	Len9g	AI847494	Mm.347643	7	6.949	6.748	6.730	6.974	6.756	6.850	6.968	6.917	6.675	6.885	6.962	6.427	6.705	6.645	6.768	6.916	6.887	6.744	6.863	6.854	7.011	6.808	7.041	6.933	
1440192	at	Ccnb9	BB243939	Mm.258530		6	6.417	6.356	6.321	6.578	6.390	6.549	6.702	6.387	6.765	6.390	6.324	6.423	6.467	6.324	6.423	6.467	6.324	6.423	6.467	6.324	6.423	6.467	6.324	6.423	
1440193	at	Ankrd12	AV346451	Mm.34706		10	10.171	9.916	10.017	10.096	10.162	10.162	9.975	10.082	9.909	10.058	9.769	10.330	10.347	9.745	10.191	9.968	10.288	10.000	9.599	9.949	10.332	10.528	10.089	10.021	
1440194	at	2210011C24Rik	AB1854664	Mm.41017	8	6.893	6.804	6.830	6.806	6.707	6.798	6.822	6.768	6.756	6.577	6.762	6.743	6.676	6.598	6.937	6.598	6.723	6.894	6.753	6.978	6.613	6.986	6.866	6.763		
1440195	at	Serbp1	BB077926	Mm.204409	6	8.310	8.067	8.229	8.302	7.915	8.841	8.435	7.812	7.744	8.023	8.197	7.669	7.575	7.921	7.721	7.859	8.554	8.585	8.371	8.431	8.298	8.492	8.452	8.486		
1440196	at	NA	BB207611	NA	NA	NA	5.749	5.897	5.600	5.633	5.561	5.614	5.624	5.697	6.138	5.638	5.612	5.631	5.714	5.915	5.630	5.564	5.703	5.565	5.589	5.745	5.631	5.500	5.603	5.496	
1440197	at	BC032203	AV273134	Mm.37642	17	6.001	5.785	6.016	5.861	5.554	5.817	5.840	5.708	5.847	5.804	6.041	5.652	5.658	5.689	5.867	5.703	5.688	5.614	5.826	5.839	6.042	5.718	5.717	5.984		

1440247	at	Phf14	BB036856	Mm.212411	6	4.399	4.747	4.781	4.669	4.911	5.082	4.664	4.813	4.720	4.820	4.749	4.692	4.641	4.775	4.734	4.745	4.717	4.687	4.836	4.622	4.489	5.087	4.887	4.460	
1440248	at	Casc4	BB239478	Mm.292109	2	5.513	6.129	5.214	5.585	6.141	5.543	5.566	6.327	6.341	5.855	5.717	6.629	6.495	5.891	6.005	5.260	6.248	6.007	6.093	5.681	5.991	5.999	5.522	5.312	
1440249	at	4921525H12Rik	BM231982	Mm.72322	3	6.702	6.655	6.838	6.820	6.663	6.831	6.714	6.890	6.886	6.665	6.616	6.600	6.559	6.681	6.799	6.958	6.911	6.748	6.776	6.513	6.802	6.551	6.681	6.904	
1440250	at	ColMa4	BM121658	Mm.40253	1	6.887	6.210	6.833	6.888	7.066	7.408	7.087	7.205	6.416	6.993	6.923	7.433	7.275	6.793	7.220	6.866	7.217	7.455	7.240	7.171	6.969	7.016	7.093	7.217	
1440251	s at	Zfp42	BE947768	Mm.2095	2	4.708	4.370	4.305	4.595	4.547	4.581	4.542	4.831	4.706	4.622	4.867	5.021	4.677	4.708	4.811	5.053	4.709	4.896	4.796	4.875	4.826	4.904	4.967	4.967	
1440252	at	H2af1	AI843281	Mm.154564	6	5.505	5.517	5.462	5.449	5.730	5.487	5.489	5.576	5.341	5.516	5.582	5.408	5.465	5.451	5.445	5.548	5.463	5.431	5.451	5.459	5.584	5.577	5.468	5.477	
1440253	at	Psmd11	AV136581	Mm.260539	11	11.757	11.638	11.769	11.451	11.528	11.666	11.649	11.466	11.161	11.336	11.706	11.488	11.343	11.503	11.587	11.709	11.440	11.560	11.671	11.579	11.113	11.512	11.819	11.631	
1440254	at	100041277	W65070	Mm.290844	11	8.048	8.780	7.815	7.778	8.433	7.917	7.949	8.776	8.912	8.231	8.378	8.424	8.394	7.993	7.988	7.702	9.240	8.836	8.164	8.063	8.672	8.889	7.944	7.583	
1440255	at	Mizf	BB826899	Mm.24570	9	7.737	7.611	7.196	7.330	7.403	7.222	7.317	7.359	7.347	7.409	7.375	7.235	7.262	7.475	7.267	7.336	7.371	7.374	7.215	7.233	7.491	7.361	7.438	7.432	
1440256	at	Rqs9bp	BE981862	Mm.222680	7	4.811	4.648	4.908	5.017	5.042	5.201	4.986	4.934	4.940	5.036	4.813	4.912	4.784	4.973	4.968	5.125	4.927	5.119	5.035	4.927	5.466	4.805	4.975	4.933	
1440257	at	Obox6	BC069935	Mm.25863	7	6.868	6.511	6.862	6.828	6.603	6.802	6.786	6.685	6.539	6.534	6.817	6.504	6.634	6.931	6.777	7.007	6.732	6.949	6.929	6.789	6.787	6.692	6.785	6.835	
1440258	at	Kcdc2	BE951512	Mm.40615	2	5.589	5.286	5.506	5.702	5.438	5.403	5.409	5.552	5.715	5.472	5.665	5.483	5.541	5.570	5.564	5.542	5.563	5.447	5.723	5.688	5.569	5.472	5.565	5.555	
1440259	at	BB204036	NA	NA	NA	8.021	8.164	8.214	8.243	8.245	8.278	8.082	8.256	8.219	8.129	8.335	8.437	8.488	8.404	8.198	8.244	8.240	8.282	8.213	8.249	8.344	8.584	8.347	8.192	
1440260	at	Bc0d58	BC064532	Mm.310434	16	6.532	6.775	6.469	6.641	6.304	6.855	6.576	6.425	6.134	6.097	5.535	6.366	5.906	5.930	6.404	6.760	6.377	6.588	6.592	6.425	6.295	6.315	6.769	6.138	
1440261	at	Ap4e1	BM200128	Mm.134045	2	7.734	8.040	7.881	7.910	8.074	8.068	7.846	7.584	8.223	8.231	7.774	8.109	8.064	8.212	8.019	7.849	7.860	7.944	7.958	7.958	7.637	7.784	7.969	8.006	
1440262	at	AI854107	Mm.254365	9	7.921	7.592	7.689	7.889	7.923	7.802	7.878	7.784	7.675	7.951	7.767	7.804	7.804	7.742	7.804	7.913	7.858	7.735	7.962	7.908	7.866	7.908	7.755	7.866	7.755	
1440263	at	Nrp	BG072413	Mm.442579	12	7.336	7.124	7.290	7.278	7.306	7.260	7.166	7.248	7.277	7.331	7.399	7.355	7.301	7.230	7.345	7.321	7.124	7.244	7.070	7.373	7.250	7.700	7.813	7.424	7.058
1440264	at	NA	BB213500	NA	NA	5.691	5.071	5.826	5.771	5.655	5.712	5.770	5.549	5.492	5.519	5.530	5.526	5.534	5.443	5.517	5.620	5.674	5.785	6.130	5.978	5.700	5.880	5.684	5.932	
1440265	at	NA	BE985638	Mm.419851	8	6.812	6.436	6.790	6.677	6.728	6.600	6.562	6.719	6.553	6.411	6.713	6.488	6.548	6.471	6.463	6.618	6.757	6.679	6.766	6.858	6.769	6.638	6.667	6.618	
1440266	at	100040862	BB199157	Mm.380755	12	7.703	7.344	7.612	7.336	7.522	7.513	7.544	7.710	7.587	7.537	7.592	7.539	7.552	7.481	7.507	7.506	7.525	7.491	7.461	7.416	7.506	7.432	7.555	7.576	
1440267	at	Pex1	BM200210	Mm.379196	5	5.602	5.706	5.859	5.968	5.544	6.069	5.588	5.688	5.870	5.900	6.618	5.870	5.863	6.015	5.761	5.779	5.918	5.909	5.904	5.881	5.795	5.546	6.065	5.413	
1440268	at	Trim41	BE685171	Mm.794	11	8.133	8.279	8.366	8.391	8.314	8.651	8.496	8.358	8.419	8.487	8.049	8.379	8.344	8.268	8.402	8.336	8.381	8.502	8.540	8.666	8.143	8.371	8.579	8.269	
1440269	at	Scyl2	BB009721	Mm.27651	10	7.777	7.188	7.700	7.571	7.538	7.414	7.571	7.525	7.432	7.474	7.585	7.439	7.542	7.588	7.826	7.605	7.454	7.487	7.424	7.714	7.679	7.496	7.719	7.748	
1440270	at	Fgf12	BO175704	Mm.7996	16	4.430	4.619	4.750	4.749	4.598	6.338	4.565	4.644	4.671	4.666	4.804	5.063	4.771	4.566	4.969	4.482	4.848	4.629	4.780	4.628	4.868	4.704	4.526	4.676	
1440271	at	NA	BF226395	NA	NA	6.014	5.763	6.185	5.884	6.084	5.881	6.098	6.141	6.308	6.108	6.467	6.189	6.308	6.037	6.409	6.141	5.962	5.939	6.256	6.008	5.894	6.092	6.102	6.035	
1440272	at	NA	BB232473	NA	NA	7.448	7.330	7.459	7.362	7.472	7.609	7.378	7.352	7.114	7.457	7.466	7.209	7.335	7.400	7.296	7.416	7.410	7.475	7.745	7.694	7.239	7.333	7.279	7.592	
1440273	at	NA	NA	NA	NA	5.382	5.508	5.563	5.582	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	5.581	
1440274	at	NA	BE949892	NA	NA	8.254	7.886	8.237	7.165	7.162	8.580	8.242	8.226	8.142	8.139	7.366	8.281	8.290	8.090	8.232	8.114	8.402	8.114	8.362	8.111	8.302	8.375	7.892	7.892	
1440275	at	Rumx3	AV233043	Mm.378894	4	5.204	5.639	4.951	4.927	5.020	4.869	4.919	4.975	5.533	5.187	4.916	4.953	4.957	5.330	4.915	5.099	4.732	4.733	4.805	4.810	4.967	4.696	5.040	4.973	
1440276	at	Gm62	BG070936	NA	10	6.113	5.987	6.123	6.044	5.974	6.010	6.080	5.971	5.961	5.967	6.045	5.957	6.162	6.007	6.045	6.022	5.915	6.090	6.162	6.229	6.026	5.840	6.039	6.099	
1440277	at	AOV041474	BG072101	Mm.451813	2	8.840	8.664	8.859	8.729	8.820	8.881	8.792	8.740	8.627	8.608	8.726	8.650	8.575	8.522	8.780	8.838	8.751	8.776	8.790	8.797	8.653	8.541	8.874	8.782	
1440278	at	Dynl11	BM939312	Mm.256858	5	6.635	6.718	6.307	6.416	6.149	6.284	6.072	6.601	6.674	6.429	6.440	6.663	6.147	6.318	6.498	6.453	6.158	6.448	6.193	6.369	6.518	6.242	6.927	6.634	
1440279	at	Txndc1	BM249193	Mm.268041	18	8.441	8.453	8.318	8.372	8.330	8.389	8.528	8.449	8.237	8.645	8.110	8.493	8.536	8.383	8.537	8.267	8.440	8.224	8.392	8.186	8.416	8.721	8.418	8.310	
1440280	at	Ccdc45	BB500999	Mm.30524	11	7.242	7.124	6.902	7.300	7.265	7.053	6.917	7.230	7.233	7.287	7.287	7.285	7.190	7.185	7.188	7.168	7.190	7.293	7.270	7.234	7.311	7.207	7.125	7.143	
1440281	at	Rmdn1	BB256717	Mm.350111	10	6.269	6.237	6.045	5.919	6.363	6.233	6.233	6.210	6.348	6.348	6.236	6.345	6.352	6.385	6.542	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	
1440282	at	Tulp4	BB268998	Mm.449307	17	6.615	7.195	6.673	6.865	7.540	6.691	6.883	7.529	7.375	7.168	6.906	7.588	7.497	6.833	7.317	6.702	7.292	7.069	6.835	6.713	6.987	7.286	6.965	6.818	
1440283	at	1810059H22Rik	BB131118	Mm.281060	5	4.916	5.012	4.921	5.105	4.952	4.882	5.002	5.020	4.877	4.860	5.070	4.822	5.175	4.966	4.851	4.873	5.237	4.950	4.877	5.038	5.122	5.004	5.017	5.007	
1440284	at	NA	AI506066	NA	NA	3.994	3.942	4.110	4.124	4.095	4.137	4.306	4.202	4.238	4.225	4.142	4.118	4.167	4.145	4.142	4.017	4.225	4.079	4.354	4.128	4.140	4.150	4.042	4.213	
1440285	at	Pppl19a	BF472950	Mm.332901	6	8.693	8.271	8.742	8.652	8.550	8.858	8.834	8.426	8.090	8.375	7.809	8.430	8.159	8.074	8.439	8.666	9.027	8.917	8.684	8.734	8.807	9.103	8.825	8.604	
1440286	at	Fbxl16	BM232403	Mm.152289	17	7.972	8.129	7.995	7.941	8.207	8.005	7.848	8.119	8.703	8.531	7.968	8.096	8.431	7.920	7.895	8.093	8.114	8.211	7.905	7.782	7.774	7.813	7.714	7.692	
1440287	at	NA	BM221919	NA	NA	7.144	7.270	7.331	7.213	7.204	7.290	7.263	7.432	7.219	7.374	7.379	7.305	7.188	7.240	7.150	7.443	7.508	7.278	7.069	7.115	7.131	7.551	7.146		

1440336	at	Prrmt6	BB233495	Mm.36115	3	4.409	4.166	4.466	4.260	4.182	4.359	4.322	4.219	4.263	4.273	4.241	4.320	4.248	4.310	4.266	4.535	4.469	4.394	4.445	4.456	4.228	4.188	4.377	4.480
1440337	at	NA	BE952483	NA	NA	4.797	4.530	4.810	4.643	4.679	4.584	4.772	4.619	4.613	4.575	4.616	4.551	4.572	4.642	4.555	4.560	4.642	4.683	4.704	4.760	4.692	4.648	4.739	4.696
1440338	at	NA	BM933532	Mm.290758	14	7.157	6.962	7.350	7.167	7.062	7.152	7.191	7.233	7.153	7.073	7.254	7.263	7.182	6.966	7.086	7.047	7.171	7.395	7.316	7.159	7.171	7.406	7.106	7.219
1440339	at	E433028B21Rik	AW910504	Mm.475947	10	5.462	4.771	5.569	5.559	4.950	5.510	5.363	6.444	6.052	7.625	5.071	4.263	8.362	7.155	4.805	5.371	5.141	5.598	5.102	5.804	5.639	5.364	5.866	5.050
1440340	at	B3galt6	BB790560	Mm.347395	4	5.182	5.323	5.563	5.343	5.090	5.185	5.083	5.311	5.097	5.032	5.080	5.466	5.218	5.248	5.185	5.298	5.148	5.241	5.178	5.208	5.167	5.237	5.135	5.203
1440341	at	NA	BB343093	NA	NA	6.103	6.519	6.016	6.052	6.348	6.058	6.011	6.105	6.381	6.233	6.154	5.965	6.028	5.809	6.255	5.978	6.416	6.107	5.888	6.007	5.759	6.056	6.417	6.062
1440342	at	G530011O06Rik	BB276544	Mm.34441	X	4.543	4.683	4.570	3.978	3.964	3.909	3.996	4.244	3.845	3.870	4.233	3.988	4.284	4.123	3.969	4.354	3.948	3.878	3.925	3.963	3.975	3.875	3.895	4.042
1440343	at	Rps6ka5	B0174267	Mm.220417	12	7.663	6.793	7.774	7.627	7.465	7.982	7.693	7.173	6.659	6.652	6.407	7.212	6.979	6.815	7.457	7.771	8.011	7.981	8.146	7.937	7.794	8.087	7.774	7.863
1440344	at	NA	BB535821	NA	NA	4.171	4.412	4.195	4.061	4.376	4.398	4.143	4.199	4.746	4.540	4.380	4.343	4.347	4.260	4.355	4.086	4.063	4.151	4.211	4.199	4.168	4.202	4.134	4.135
1440345	at	AI405353	AI447886	Mm.102205	11	6.730	6.883	6.754	6.860	6.935	6.828	6.805	6.539	6.462	6.625	6.478	6.390	6.300	6.580	6.554	6.666	7.066	6.896	6.819	6.896	6.750	6.879	7.045	6.881
1440346	at	Imjd3	B0228765	Mm.261201	11	9.197	8.979	8.949	8.932	8.924	9.032	8.986	9.012	8.735	8.744	6.496	8.744	8.767	8.700	8.883	9.031	9.086	8.888	8.880	8.924	8.974	9.466	8.987	9.452
1440347	at	NA	BG074665	NA	NA	8.587	8.259	8.426	8.337	8.492	8.524	8.326	8.232	8.079	8.140	8.041	8.223	8.163	7.862	8.122	8.489	8.623	8.693	7.952	8.125	8.622	9.124	8.533	7.859
1440348	at	Zyvev9	BB532985	Mm.196776	4	9.177	9.126	9.464	9.216	9.149	9.346	9.221	9.012	9.091	9.140	9.144	9.184	9.347	9.276	9.110	9.322	8.923	9.126	9.231	9.280	9.10	9.899	9.254	9.158
1440349	at	4930420K17Rik	AV271389	Mm.439954	5	7.396	7.316	7.342	7.402	7.399	7.541	7.482	7.377	7.558	7.569	7.229	7.570	7.638	7.470	7.679	7.477	7.471	7.421	7.450	7.473	7.517	7.788	7.788	7.363
1440350	at	Panx2	BM942843	Mm.476196	15	4.353	4.218	4.461	4.390	4.304	4.441	4.376	4.308	4.222	4.317	4.315	4.280	4.147	4.293	4.300	4.162	4.475	4.541	4.311	4.317	4.454	4.239	4.453	4.150
1440351	at	NA	BG064527	NA	NA	5.908	5.926	5.839	5.543	6.029	5.990	5.907	5.848	5.687	5.989	6.095	5.898	5.452	5.415	6.014	5.838	5.637	5.809	5.738	5.787	5.819	5.845	6.051	5.703
1440352	at	625175	AW556693	Mm.443286	5	7.244	7.054	7.242	7.154	7.228	7.237	7.365	7.368	7.076	7.161	7.364	6.871	7.239	7.259	7.327	7.368	7.325	7.287	7.393	7.449	7.283	7.184	7.201	7.345
1440353	at	Ntf5	AI462899	Mm.203344	7	4.926	4.621	4.879	4.984	4.928	5.109	4.906	4.839	4.861	4.904	5.064	4.757	5.113	4.856	4.927	4.837	4.999	4.836	4.998	5.035	4.884	4.852	5.100	4.854
1440354	at	NA	BB149977	Mm.286127	13	5.068	5.240	4.987	4.880	4.973	4.739	4.859	4.824	5.308	4.800	4.776	5.042	5.016	4.631	4.912	4.976	5.109	5.156	4.960	4.950	4.966	5.243	5.007	5.011
1440355	at	Xctd17b	BF454057	Mm.271572	X	8.928	9.065	8.924	8.924	9.169	9.273	9.296	9.673	8.755	9.123	8.951	9.339	9.464	9.094	9.405	8.546	8.885	9.073	8.899	9.132	8.689	8.981	8.307	8.321
1440356	at	Clapin1	BG075222	Mm.27582	8	7.815	7.600	7.635	7.651	7.806	7.547	7.814	7.707	7.429	7.546	7.736	7.520	7.506	7.541	7.912	7.590	7.393	7.656	7.729	7.740	7.670	7.607	7.540	7.540
1440357	at	NA	BM938290	NA	NA	7.968	7.723	7.768	7.642	7.859	7.797	7.789	7.968	7.885	7.810	7.793	8.031	8.368	7.679	7.882	7.784	8.045	7.961	7.896	7.888	7.815	7.972	7.705	7.830
1440358	at	Arhgef15	B0174741	Mm.376147	11	7.677	7.406	7.396	7.768	7.592	7.506	7.412	8.328	7.620	7.688	8.053	7.703	7.792	7.665	7.735	7.678	7.884	7.754	7.621	7.779	7.906	8.183	7.694	7.657
1440359	at	1700012H17Rik	BB427277	Mm.331470	4	7.154	7.044	7.244	7.086	7.114	7.192	7.228	7.222	6.878	7.024	7.048	6.982	7.004	6.967	7.081	7.167	7.118	7.578	7.387	7.208	7.338	7.178	7.282	7.153
1440360	at	NA	BG064531	NA	NA	7.682	7.562	7.492	7.601	7.464	7.625	7.428	7.454	7.661	7.618	7.848	6.918	7.582	7.654	7.976	7.610	7.476	7.591	7.435	7.460	7.636	7.576	7.932	7.664
1440361	at	OTTMUSG000000	BB272510	Mm.126874	4	4.597	4.256	4.394	4.373	4.468	4.290	4.445	4.306	4.302	4.330	4.512	4.262	4.506	4.375	4.442	4.455	4.414	4.419	4.332	4.379	4.408	4.447	4.465	4.440
1440362	at	Ppnm3	BB510504	Mm.351793	11	5.565	5.177	5.533	5.378	5.174	5.513	5.474	5.563	5.507	5.514	5.460	5.518	5.460	5.518	5.460	5.518	5.460	5.518	5.460	5.518	5.460	5.518	5.460	5.518
1440363	at	NA	BB560961	NA	NA	4.997	4.923	4.776	4.776	4.776	4.790	4.755	4.927	4.775	4.927	4.703	4.695	4.424	4.988	4.626	4.850	4.625	4.850	4.625	4.850	4.625	4.850	4.625	4.850
1440364	a	Aasdh	BB760971	Mm.39271	5	8.219	7.722	8.090	8.253	8.100	8.191	8.159	7.640	7.707	7.636	7.322	7.843	7.776	7.631	7.898	8.287	8.613	8.461	8.230	8.251	8.139	8.268	8.137	7.935
1440365	at	NA	BG071386	NA	NA	7.751	7.584	7.526	7.475	7.709	7.702	7.406	6.873	6.883	7.142	7.251	7.207	7.540	7.263	7.152	7.396	7.257	7.676	7.078	7.256	7.207	7.465	7.154	7.820
1440366	at	NA	BB185168	NA	NA	4.775	4.821	4.864	4.881	4.786	4.857	4.839	5.089	4.843	4.886	4.891	4.643	4.781	4.838	4.864	4.994	4.897	4.727	4.793	4.884	4.844	4.788	4.942	4.927
1440367	at	NA	BF463999	NA	NA	8.025	7.729	8.088	8.162	7.920	7.888	8.040	8.011	7.987	7.865	8.133	8.013	7.916	8.006	8.014	8.060	7.973	8.011	8.032	8.151	8.135	7.943	8.066	8.105
1440368	at	NA	BG075393	NA	NA	6.250	6.232	6.168	6.277	6.211	6.183	6.105	6.363	6.179	6.067	6.010	6.247	6.158	5.893	6.171	6.164	6.236	6.192	6.144	6.124	6.187	6.529	6.221	6.578
1440369	at	NA	BE952603	NA	NA	7.794	7.096	7.607	7.569	7.354	7.550	7.591	7.637	7.392	7.265	7.528	7.190	7.536	7.230	7.440	7.502	7.457	7.734	7.679	7.885	7.406	7.613	7.649	7.827
1440370	at	Acial3	BB701390	Mm.39270	11	7.966	7.786	7.966	7.978	7.136	7.975	7.595	7.930	7.975	7.958	7.954	8.132	7.964	7.924	8.132	7.964	8.132	7.964	8.132	7.964	8.132	7.964	8.132	7.964
1440371	at	NA	B0176223	NA	NA	5.684	5.344	5.657	5.595	5.515	5.547	5.685	5.530	5.487	5.540	5.587	5.526	5.556	5.640	5.595	5.620	5.593	5.740	5.677	5.975	5.601	5.593	5.640	5.675
1440372	at	NA	AI785253	NA	NA	7.206	6.985	7.360	7.487	7.020	7.584	7.445	6.932	6.958	7.534	7.226	7.209	7.173	7.531	7.334	7.623	6.676	6.940	7.264	7.391	6.725	6.950	6.954	7.318
1440373	at	NA	BB041057	NA	NA	7.767	7.719	7.725	7.684	7.553	7.838	7.737	7.968	7.626	7.595	7.609	7.837	7.772	7.826	7.668	7.716	7.654	7.884	7.759	7.613	7.707	7.905	8.067	7.528
1440374	at	NA	BB384086	NA	NA	9.651	9.806	9.616	9.864	9.769	10.113	9.743	9.233	8.801	9.333	9.455	9.184	9.281	8.521	9.586	9.611	10.305	10.009	10.443	10.034	10.023	10.287	9.886	9.958
1440375	at	NA	BM205897	NA	NA	8.213	7.981	8.328	8.205	7.987	8.098	8.222	8.208	8.017	7.870	7.982	8.153	7.918	8.249	8.077	8.156	8.176	8.284	8.159	8.037	8.307	8.268	7.887	7.887
1440376	at	Fbxo41	AI747062	Mm.38777	6	8.451	8.140	8.313	8.460	8.296	8.388	8.330	8.317	8.275	8.222	8.341	8.291	8.313	8.336	8.316	8.399	8.371	8.261	8.342	8.459	8.487	8.417	8.440	8.458
1440377	at	Tttd5	BB134710	Mm.27583	15	5.540	4.864</																						

1440425	at	NA	BB377181	NA	NA	6.407	5.702	6.146	6.081	6.014	6.168	6.179	5.959	5.987	6.002	6.292	5.884	6.125	6.071	6.313	6.145	6.145	6.338	6.307	6.099	6.092	6.177	6.454	
1440426	at	Nfatc2	BB427970	Mm.116802	2	6.477	6.254	6.416	6.548	6.530	6.365	6.504	6.527	6.297	6.269	6.654	6.686	6.394	6.311	6.700	6.563	6.645	6.533	6.364	6.613	6.718	6.548	6.652	6.741
1440427	at	Uvrra	BB121716	Mm.323072	7	7.526	7.391	7.581	7.429	7.761	7.342	7.254	7.778	7.481	7.452	7.318	7.650	7.727	7.290	7.621	7.626	7.575	7.753	7.667	7.504	7.468	7.567	7.584	7.541
1440428	at	Sfxn5	BB176829	Mm.121485	6	5.506	5.304	5.498	5.557	5.495	5.478	5.360	5.340	5.395	5.309	5.579	5.397	5.538	5.430	5.522	5.466	5.321	5.421	5.505	5.637	5.541	5.434	5.585	5.568
1440429	at	Arp21	BB667055	Mm.297444	9	3.893	3.977	4.004	4.081	3.821	3.788	4.014	3.901	4.075	4.030	3.980	3.915	4.018	3.821	4.054	4.111	3.977	3.807	3.912	4.019	3.972	3.880	3.972	3.895
1440430	at	Arp21	BB152199	NA	2	6.116	5.950	6.067	6.039	5.851	6.155	5.902	5.774	5.627	5.828	5.765	5.707	5.975	5.804	5.951	6.040	6.034	6.080	6.112	5.853	5.820	5.994	6.033	6.107
1440431	at	NA	BB053468	NA	NA	7.728	7.380	7.931	7.621	7.472	7.902	7.662	7.733	7.743	7.634	7.648	7.818	7.934	7.943	7.816	7.816	7.894	8.084	7.689	7.805	7.546	7.835	7.255	7.415
1440432	at	NA	BB314873	NA	NA	6.579	6.145	6.334	6.450	6.365	6.374	6.371	6.298	6.478	6.392	6.405	6.316	6.481	6.394	6.401	6.374	6.358	6.389	6.462	6.518	6.301	6.325	6.380	6.363
1440433	at	NA	BB227153	NA	NA	5.473	5.128	5.150	5.356	5.329	5.390	5.476	5.028	5.203	5.318	5.463	5.146	5.217	5.383	5.662	5.404	6.356	5.237	5.321	5.463	5.266	5.104	5.448	5.151
1440434	at	NA	BB667917	NA	NA	7.509	7.486	7.629	7.687	7.410	7.726	7.689	7.454	7.445	7.275	7.392	7.553	7.672	7.781	7.442	7.659	7.065	7.234	7.275	7.446	7.240	6.973	7.442	7.269
1440435	at	Kv	BB126077	Mm.101692	9	7.799	7.518	8.337	8.958	8.114	8.727	8.901	7.196	6.912	6.811	6.868	7.421	7.344	7.762	7.186	8.250	8.854	8.951	8.722	8.966	7.954	8.213	7.785	7.173
1440436	at	328235	BB176471	Mm.188356	13	6.205	5.756	6.440	6.106	5.935	6.098	6.151	6.131	5.781	5.996	6.098	5.781	5.975	5.960	6.170	6.094	6.119	6.174	6.184	6.397	6.120	5.764	6.213	6.012
1440437	at	Herc1	BM247513	Mm.224179	9	7.839	8.256	7.642	7.751	8.212	8.014	7.907	7.956	7.756	7.572	7.475	7.748	7.911	7.691	7.858	8.000	8.092	7.961	7.851	7.786	7.812	8.039	7.962	7.788
1440438	at	NA	AW551910	NA	NA	5.183	4.894	4.973	5.142	5.052	5.178	5.017	5.060	5.002	4.887	4.918	4.882	5.004	5.127	5.076	5.070	4.985	5.071	4.944	5.257	4.875	4.872	5.001	5.071
1440439	at	NA	BM024941	NA	NA	7.424	7.528	7.450	7.597	7.387	7.319	7.465	7.578	7.587	7.367	7.868	7.451	7.654	7.488	7.497	7.476	7.474	7.215	7.313	7.456	7.539	7.673	7.549	7.398
1440440	at	NA	BM237796	NA	NA	6.373	6.227	6.670	6.253	6.436	6.652	6.402	6.216	6.138	6.460	6.284	6.496	6.469	6.528	6.761	6.669	5.986	6.259	6.340	6.670	6.243	6.452	6.467	6.484
1440441	at	Fbxl7	BB465854	Mm.253378	15	7.305	7.681	7.785	7.754	7.885	7.777	7.697	7.573	7.739	7.943	7.680	8.075	8.271	7.742	8.154	7.737	7.391	7.734	7.773	7.834	7.468	7.686	7.748	7.709
1440442	at	LOC100039590	BE950627	Mm.439193	8	8.249	7.993	8.102	8.159	8.034	8.137	8.234	8.302	8.278	8.044	8.114	8.127	8.155	8.063	7.976	8.531	8.197	8.261	8.190	8.194	8.338	8.189	8.263	8.062
1440443	at	EO30016H06Rik	BB531351	Mm.440461	2	8.841	7.921	9.064	8.546	8.616	9.047	9.075	7.908	7.239	7.675	7.460	7.860	7.921	7.626	8.248	9.054	8.783	8.701	8.584	8.914	8.842	8.918	8.977	9.233
1440444	at	Fadl1	BB277583	Mm.30158	19	7.429	7.694	7.480	6.887	7.675	7.594	7.427	7.831	7.911	7.614	7.801	7.749	7.793	7.806	7.628	7.492	7.540	7.535	7.497	7.555	7.698	7.577	7.644	7.506
1440445	at	Pav6s1	BB255007	Mm.444553	2	5.420	5.391	5.531	5.611	5.546	5.523	5.517	5.685	5.558	5.329	5.577	5.362	5.741	5.566	5.515	5.518	5.524	5.415	5.651	5.646	5.362	5.385	5.892	5.252
1440446	at	NA	BM021767	NA	NA	6.875	6.319	6.695	6.701	6.572	6.761	6.749	6.696	6.626	6.396	6.497	6.761	6.643	6.566	6.663	6.768	6.810	6.449	6.688	6.883	6.676	6.546	6.776	6.744
1440447	at	Abhd2	BM198834	Mm.365490	7	5.916	5.705	5.689	5.838	5.587	5.616	5.717	5.353	5.723	5.724	5.763	5.736	5.714	5.835	5.705	5.749	5.876	5.673	5.690	5.714	5.449	5.531	5.609	5.876
1440448	at	NA	BB421290	NA	NA	6.900	7.004	6.543	6.669	6.735	6.969	6.810	6.998	6.806	6.828	6.869	6.419	6.673	6.772	6.832	6.789	6.679	6.683	6.785	7.128	6.292	6.505	7.053	6.883
1440449	at	NA	BB176415	NA	NA	7.683	7.209	7.527	7.612	7.406	7.488	7.393	7.448	7.468	7.719	7.529	7.093	7.428	7.618	7.430	7.738	7.177	7.400	7.487	7.664	7.407	7.185	7.738	7.385
1440450	at	Hspa1l	AW611466	Mm.14287	17	5.077	5.161	5.505	5.389	5.207	5.288	5.188	4.969	4.964	5.073	4.894	4.947	5.335	4.969	5.044	5.545	4.958	5.308	5.322	5.571	5.066	5.000	5.342	5.553
1440451	at	D730048J04Rik	Mm.17626	17	5.085	5.478	5.565	5.505	5.302	5.387	5.574	5.324	5.282	5.393	5.284	5.291	5.334	5.291	5.334	5.291	5.334	5.291	5.334	5.291	5.334	5.291	5.334	5.291	5.334
1440452	at	NA	AW495265	NA	X	6.619	6.335	6.868	6.581	6.584	6.585	6.586	6.587	6.588	6.589	6.590	6.591	6.592	6.593	6.594	6.595	6.596	6.597	6.598	6.599	6.600	6.601	6.602	6.603
1440453	at	1700012C15Rik	C5370	Mm.267142	11	4.262	3.973	4.493	4.188	4.147	4.689	4.406	4.018	4.092	4.301	4.343	4.221	4.300	4.346	4.386	4.323	4.297	4.257	4.383	4.620	4.279	4.144	4.299	4.357
1440454	at	A530088I07Rik	AV377136	Mm.121705	5	7.811	7.269	7.561	7.771	7.746	7.548	7.663	7.498	7.601	7.742	7.641	7.633	7.548	7.657	7.676	7.630	7.611	7.602	7.982	7.725	7.366	7.615	7.519	
1440455	at	NA	Al848599	Mm.41603	4	7.255	6.852	7.294	7.210	7.172	7.187	7.078	7.087	6.996	7.259	7.163	7.388	7.358	6.939	7.309	7.228	7.236	7.134	7.122	7.216	7.147	7.330	7.183	7.417
1440456	at	Dnahc7a	BB169396	Mm.184692	1	6.018	5.655	5.785	5.731	5.596	5.814	5.935	5.678	5.713	5.556	5.812	5.477	5.669	5.760	5.874	5.866	5.843	6.054	5.795	6.037	5.810	5.706	5.825	5.865
1440457	at	NA	BB154243	NA	NA	8.018	7.661	7.988	7.908	7.609	7.984	8.150	7.490	7.861	7.757	7.644	7.489	7.579	7.742	8.002	7.990	7.477	7.635	7.721	8.055	7.693	7.448	8.058	7.803
1440458	at	Cmah	BF661639	Mm.8396	13	4.573	4.395	4.523	4.552	4.502	4.392	4.491	4.530	4.597	4.377	4.639	4.576	4.595	4.477	4.380	4.466	4.435	4.380	4.588	4.833	4.627	4.532	4.397	4.504
1440459	at	Stat1	BB227983	Mm.2196	2	5.899	6.091	5.826	6.020	6.307	6.443	5.958	5.196	6.278	6.236	5.957	6.266	6.175	6.300	6.428	6.405	6.536	6.528	6.157	6.160	6.336	6.156	6.312	6.372
1440460	at	4930504O13Rik	AV265078	Mm.60809	11	6.365	6.131	6.187	6.318	6.164	6.202	6.301	6.309	6.219	6.186	6.195	6.234	6.465	6.169	6.238	6.229	6.167	6.269	6.155	6.229	6.337	6.357	6.199	6.254
1440461	at	NA	BB229269	NA	NA	5.594	6.187	5.484	4.993	5.464	5.109	4.873	5.308	5.948	6.186	5.253	5.675	5.727	5.887	5.388	5.041	4.993	4.834	4.889	4.637	5.519	5.912	5.158	5.093
1440462	at	B930068K11Rik	AV339681	NA	2	7.221	6.890	6.873	6.916	6.870	6.956	6.993	6.820	6.958	6.960	7.019	6.784	6.958	7.271	7.085	6.846	6.621	6.856	6.838	7.182	6.857	6.682	7.023	6.899
1440463	at	NA	BB538949	NA	NA	3.976	4.079	4.122	3.876	3.889	3.999	3.913	4.086	4.012	3.938	4.064	4.244	3.984	4.100	4.479	3.902	4.043	3.854	3.971	4.040	3.960	4.039	3.938	3.830
1440464	at	Elavl1	BB284404	Mm.472700	8	6.198	5.525	5.724	5.217	5.597	5.011	5.653	5.491	5.253	5.512	5.571	5.405	5.101	5.874	5.200	5.568	5.187	5.170	5.328	5.365	5.076	5.157	5.308	5.267
1440465	at	NA	BE979981	NA	NA	7.638	7.340	7.722	7.744	7.714	7.663	7.556	7.621	7.643	7.729	7.664	7.475	7.634	7.592	7.481	7.676	7.737	7.630	7.501	7.483	7.813	7.692	7.671	7.723
1440466	at	BC003965	BM767975	Mm.274433	17	7.267	7.102	7.315	7.316																				

1440514	at	D3Ertd508e	AU022059	NA	3	6.162	5.896	5.954	6.062	5.903	6.128	6.124	5.860	5.836	5.873	5.859	5.972	6.157	5.927	5.927	6.155	5.949	5.989	5.898	6.107	5.985	5.954	6.008	6.044
1440515	at	OTTMUSG000000	BB769277	Mm.293096	4	6.349	6.294	6.193	6.329	6.364	6.444	6.470	6.366	6.349	6.171	6.420	6.385	6.276	6.483	6.157	6.368	6.429	6.373	6.448	6.434	6.348	6.332	6.027	6.396
1440516	at	NA	BB476297	NA	NA	6.853	7.859	6.631	6.168	7.274	6.755	6.692	7.198	7.525	7.973	7.319	7.066	7.743	6.930	7.404	6.407	6.308	6.431	6.683	6.752	6.478	6.299	6.516	6.273
1440517	x at	Cmah	BB667991	Mm.8396	13	4.188	4.277	4.241	4.260	4.336	4.350	4.264	4.159	4.198	4.146	4.223	4.359	4.249	4.179	4.237	4.313	4.225	4.399	4.264	4.309	4.077	4.121	4.303	4.155
1440518	at	AI666798	Mm.441417	4	5.027	4.846	5.053	5.137	5.083	4.952	5.112	5.075	5.081	4.976	4.860	5.158	4.751	4.971	4.866	5.001	4.881	4.992	5.083	5.160	5.271	5.135	5.071	5.127	5.294
1440519	at	Sp8	AV302930	Mm.51682	12	4.920	4.985	4.935	5.002	4.703	4.828	4.725	4.748	4.889	4.823	4.893	4.638	4.843	4.891	5.070	5.037	4.848	5.072	4.952	4.851	4.771	4.958	4.932	4.832
1440520	a at	1700051A21Rik	BB117906	Mm.396157	11	8.773	8.342	8.672	8.865	8.565	8.563	8.734	8.689	8.468	8.338	8.486	8.580	8.542	8.468	8.548	8.608	8.521	8.675	8.515	8.759	8.709	8.420	8.633	8.748
1440521	x at	1700051A21Rik	BB117906	Mm.396157	11	5.978	5.679	5.648	5.914	5.505	5.570	5.785	5.567	5.677	5.583	5.581	5.697	5.648	5.748	5.631	5.790	5.940	5.625	5.799	5.929	5.737	5.824	5.517	5.645
1440522	at	ENSMUSG000000	BB349472	Mm.440699	X	6.674	6.399	6.831	6.797	6.601	6.999	6.738	6.911	6.808	6.764	6.528	6.716	6.903	6.859	6.851	6.846	6.917	6.851	6.791	6.978	6.779	6.617	5.663	6.538
1440523	at	RP23-24J10.7	AV374490	Mm.98096	4	5.771	5.446	5.662	5.547	5.643	5.677	5.752	5.713	5.541	5.591	5.572	5.549	5.545	5.511	5.702	5.709	5.651	5.631	5.571	5.647	5.966	5.639	5.760	5.699
1440524	at	Utx	BB239851	Mm.257498	X	6.352	6.352	6.641	6.227	6.343	6.480	6.425	6.346	6.526	6.367	6.407	6.542	6.507	6.470	6.638	6.448	6.551	6.440	6.524	6.368	6.503	5.677	6.636	6.599
1440525	at	NA	BB700113	NA	NA	6.065	5.788	6.177	6.035	6.053	6.180	6.104	6.117	6.015	6.013	6.097	5.957	5.914	6.032	6.238	6.324	6.132	6.340	6.293	6.345	6.222	5.971	6.162	6.215
1440526	at	NA	BB454170	Mm.471640	8	4.867	4.832	4.744	4.786	4.820	4.541	4.646	4.725	4.805	4.669	4.669	4.760	4.499	4.806	4.614	4.709	5.017	4.755	4.752	4.783	4.422	4.841	4.864	4.808
1440527	at	NA	BI440542	NA	NA	7.867	8.191	7.403	7.783	7.643	7.607	7.780	8.162	7.781	8.037	8.350	7.977	7.433	7.710	7.996	7.465	7.383	7.364	6.913	7.094	7.598	8.053	7.708	7.561
1440528	at	NA	BE990172	NA	NA	6.820	6.452	6.707	6.691	6.422	6.609	6.771	6.817	6.337	6.285	6.288	6.553	6.383	6.507	6.471	6.527	6.798	6.413	6.405	6.658	6.846	6.723	6.746	6.769
1440529	at	NA	BE956699	NA	NA	6.815	6.538	6.963	6.844	6.710	6.677	6.723	6.837	6.827	6.696	6.912	6.665	6.824	6.817	6.692	6.778	6.885	6.758	6.854	6.841	7.001	6.578	6.814	6.796
1440530	at	NA	BG069545	NA	7	5.379	5.281	5.320	5.310	5.378	5.384	5.295	5.431	5.566	5.568	5.235	5.463	5.096	5.283	5.202	5.349	5.316	5.358	5.378	5.143	5.371	5.331	5.423	5.562
1440531	at	Rbm11	BB233100	Mm.273214	16	4.518	4.410	4.610	4.473	4.453	4.405	4.540	4.695	4.626	4.306	4.424	4.415	4.519	4.347	4.427	4.415	4.449	4.417	4.477	4.427	4.270	4.441	4.420	
1440532	a at	NA	BE993099	NA	NA	6.113	5.969	5.865	6.243	5.816	5.630	6.152	5.909	5.869	5.566	5.837	5.699	5.819	5.588	5.780	5.680	5.649	5.879	5.988	5.763	5.608	5.601	5.923	5.863
1440533	at	NA	BF464033	NA	NA	6.501	6.506	6.652	6.529	6.397	6.674	6.420	6.641	6.795	6.727	6.527	6.853	6.781	6.750	6.606	6.643	6.558	6.535	6.964	6.770	6.708	6.859	6.815	6.669
1440534	at	ENSMUSG000000	BB177862	Mm.383568	1	7.199	6.879	7.212	7.311	7.078	7.190	7.352	7.035	7.084	6.787	7.125	7.066	7.083	7.151	7.049	7.268	7.407	7.215	7.240	7.271	7.289	7.121	7.271	7.289
1440535	at	Uros	AI145298	Mm.3160	7	8.033	7.859	8.197	8.029	7.987	8.042	7.970	7.911	7.947	7.797	7.878	7.466	8.146	8.000	7.856	8.014	7.986	7.753	7.934	8.002	7.993	7.965	8.061	7.930
1440536	at	NA	BE852040	NA	NA	6.636	6.381	6.653	6.691	6.691	6.623	6.573	6.652	6.667	6.639	6.473	6.627	6.666	6.657	6.728	6.434	7.062	6.796	6.988	6.706	6.771	6.995	6.603	6.445
1440537	at	Kcnv2	BM942804	Mm.269759	19	7.775	6.697	7.519	7.820	6.990	7.713	7.800	6.918	6.864	6.976	6.818	6.215	7.164	7.060	7.256	7.584	8.468	8.061	7.948	8.146	7.694	7.599	7.833	8.276
1440538	at	NA	UA045829	NA	NA	4.681	4.366	4.828	4.656	4.639	4.686	4.617	4.992	4.486	4.534	4.720	4.501	4.560	4.667	4.681	4.696	4.713	4.712	4.974	4.777	4.744	4.641	4.528	4.742
1440539	at	NA	BB069481	NA	NA	4.574	4.530	4.259	4.457	4.275	4.506	4.581	4.623	4.591	4.512	4.436	4.175	4.376	4.505	4.577	4.608	4.543	4.587	4.463	4.566	4.679	4.533	4.631	4.357
1440540	at	NA	GM1	Mm.275121	2	6.714	6.223	6.843	6.707	6.089	6.761	6.909	6.767	6.858	6.908	6.788	6.908	6.856	6.616	6.908	6.856	6.810	7.075	6.810	7.075	6.810	7.075	6.810	7.075
1440541	at	2810442121Rik	BB373962	Mm.268598	11	7.957	7.787	8.055	7.996	7.947	7.947	8.130	7.945	7.875	7.744	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908
1440542	at	7420416P09Rik	BB064911	Mm.311913	12	5.365	5.091	5.181	5.044	5.157	5.213	5.210	5.025	5.017	5.041	5.067	4.989	4.862	5.087	5.146	5.069	5.205	5.263	5.292	5.163	5.199	5.079	5.060	5.331
1440543	at	Heartf5a	BB071093	Mm.131941	12	6.334	6.382	6.220	6.205	6.228	6.157	6.135	6.719	6.615	6.666	6.997	6.414	6.238	6.373	6.302	6.191	5.991	6.170	6.284	6.146	6.324	6.322	6.162	5.903
1440544	at	NA	BG072396	NA	NA	7.442	6.919	7.320	7.316	7.220	7.217	7.295	7.088	7.221	7.039	7.151	7.054	7.163	7.180	7.139	7.351	7.417	7.416	7.224	7.328	7.092	7.042	7.249	7.340
1440545	at	ENSMUSG000000	BO176278	Mm.473886	10	9.979	9.132	9.816	9.314	9.227	9.160	9.348	9.359	8.220	8.761	8.610	8.750	8.389	8.670	9.012	9.807	9.614	9.429	9.255	9.492	9.367	9.263	9.226	9.465
1440546	at	9630002D21Rik	BB124976	Mm.403176	12	4.897	4.625	4.555	4.638	4.659	4.296	4.644	4.623	4.790	4.365	4.471	4.457	4.862	4.764	4.570	4.544	4.451	4.613	4.657	4.568	4.568	4.476	4.487	4.532
1440547	at	NA	BB066227	NA	NA	7.117	7.106	7.174	7.031	7.183	7.115	7.212	7.060	7.168	7.004	7.075	6.926	6.841	6.800	7.231	7.168	7.055	7.067	7.158	7.085	7.034	6.950	7.487	7.107
1440548	at	NA	BB309408	NA	NA	8.022	7.987	8.055	7.996	7.947	7.947	8.130	7.945	7.875	7.744	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908	7.936	7.908
1440549	at	B230334L07Rik	BM207373	Mm.439113	1	5.808	5.639	5.954	5.622	5.709	5.739	5.746	5.769	5.555	5.634	5.889	5.646	5.520	5.816	5.802	5.767	5.819	5.736	5.883	5.464	5.763	5.739	5.560	
1440550	at	NA	BB310018	NA	NA	4.053	3.816	3.877	3.948	3.751	3.786	4.035	3.690	3.673	3.860	3.829	3.742	3.749	3.806	3.837	4.075	3.844	3.808	3.977	3.880	3.831	3.808	3.927	3.961
1440551	at	NA	BM240862	NA	NA	7.713	7.595	7.764	7.671	7.599	7.832	7.651	7.686	7.844	7.911	7.650	7.889	7.635	7.522	7.859	7.800	7.541	7.660	7.718	7.581	7.688	7.932	7.735	7.756
1440552	at	NA	BG070526	NA	NA	6.334	6.324	6.369	6.548	6.433	6.337	6.402	6.391	6.409	6.413	6.391	6.584	6.374	6.340	6.310	6.548	6.459	6.385	6.336	6.738	6.338	6.258	6.425	6.456
1440553	at	Mecr	BB310008	Mm.192706	4	7.079	7.212	7.164	7.257	7.147	7.413	7.228	7.120	6.866	6.998	7.068	6.878	6.765	6.713	7.058	7.308	7.392	7.687	7.414	7.359	7.064	7.719	7.519	6.925
1440554	at	NA	BB667363	NA	NA	7.391	7.212	7.196	7.189	7.152	7.132	7.172	7.274	7.119	6.979	7.323	7.198	7.388	7.127	7.223	7.081	7.088	7.229	7.209	7.282	7.192	7.162	7.309	7.192
1440555	at	Rnapd	BB354544	Mm.300814	4	7.204																							

1440603	at	NA	BB073590	NA	NA	8.620	8.271	8.416	8.481	8.442	8.451	8.562	8.279	7.913	7.905	7.901	8.112	7.871	7.864	8.121	8.481	8.560	8.667	8.718	8.767	8.415	8.238	8.222	8.468
1440604	at	BO30494B02Rik	BB070941	Mm.446168	4	7.041	7.418	6.920	7.155	7.367	7.286	6.980	6.989	7.556	7.487	7.234	7.423	6.926	7.372	7.052	6.691	6.657	6.943	6.918	6.973	6.773	6.853	7.163	6.901
1440605	at	Fscn2	BB279997	Mm.134230	11	5.594	5.278	5.305	5.089	5.371	5.342	5.391	5.517	5.175	5.162	5.377	5.378	5.307	5.388	5.316	5.248	5.567	5.263	5.406	5.568	5.284	5.166	5.387	5.421
1440606	at	NA	BM238634	NA	NA	6.696	6.066	6.366	6.460	6.374	6.289	6.299	6.284	6.344	6.219	6.492	6.159	6.408	6.354	6.346	6.477	6.314	6.111	6.438	6.481	6.323	6.096	6.655	6.355
1440607	at	NA	BB082679	NA	NA	7.339	6.814	7.168	7.187	7.239	7.147	7.278	7.214	7.084	7.024	7.097	7.180	7.073	7.140	7.217	7.008	7.054	7.207	7.008	7.207	7.339	7.210	6.966	7.415
1440608	at	NA	BB009092	NA	NA	6.261	5.933	6.200	6.515	6.590	6.597	6.414	6.480	6.451	6.585	6.364	6.721	6.212	6.519	6.5614	6.706	6.718	6.605	6.821	6.792	6.350	6.820	6.311	6.602
1440609	at	Map4K4	BB113015	Mm.19073	1	8.767	8.878	8.803	9.027	8.917	8.960	8.768	8.808	8.988	9.144	8.820	8.906	9.088	8.908	8.982	8.900	8.870	8.896	8.828	8.925	8.575	8.895	8.904	8.662
1440610	at	NA	BB265532	NA	NA	4.978	5.012	5.069	4.990	4.997	5.175	5.223	5.043	4.963	5.090	5.108	4.953	4.859	5.115	5.120	5.003	5.186	5.082	5.036	5.080	5.043	4.889	5.015	5.198
1440611	at	6230409E13Rik	BB387793	Mm.159689	4	6.446	6.437	6.346	6.659	6.467	6.505	6.314	6.397	6.769	6.353	6.358	6.275	6.389	6.416	6.362	6.415	6.356	6.443	6.511	6.782	6.672	6.180	6.089	6.276
1440612	at	NA	AV248029	NA	NA	3.703	3.831	3.897	3.862	3.916	3.970	3.921	4.080	3.938	4.027	3.920	3.887	3.983	3.909	3.823	3.925	3.865	3.921	3.931	4.259	4.009	3.783	3.933	4.000
1440613	at	NA	BB277614	NA	NA	6.538	6.169	6.525	6.335	6.345	6.156	6.372	6.439	6.108	6.251	3.663	6.424	6.199	6.234	6.171	6.486	6.368	6.306	6.443	6.362	6.424	6.302	6.368	6.589
1440614	at	AU34328G20Rik	BB187127	Mm.394118	11	6.229	5.921	5.967	5.919	5.984	6.002	5.990	6.070	6.135	6.179	6.107	5.914	5.880	6.037	5.871	6.283	5.991	5.836	5.990	6.037	5.840	5.969	6.036	5.985
1440615	at	NA	Dussl6	Mm.3994	6	5.447	5.232	5.381	5.531	5.530	5.142	5.631	5.275	5.333	5.351	5.318	5.265	5.298	5.169	5.363	5.522	5.100	5.100	5.121	5.046	5.583	5.442	5.075	5.300
1440616	at	49042410	BB209673	Mm.395132	13	5.104	4.957	5.097	5.297	5.208	5.091	5.034	5.274	5.086	4.894	5.195	5.083	5.119	5.063	5.021	5.258	5.054	5.041	5.186	5.391	5.165	4.900	5.163	5.216
1440617	at	Cpa6	BB072673	Mm.336423	1	4.732	4.652	4.654	4.908	4.704	4.660	4.654	4.724	4.455	4.542	4.503	4.505	4.935	4.626	4.759	4.739	4.660	4.816	4.655	4.831	4.798	4.587	4.611	4.829
1440618	at	Rhbd12	AV378451	Mm.37334	4	5.653	5.667	5.761	5.756	5.642	5.750	5.849	5.538	5.398	5.566	5.502	5.756	5.823	5.741	6.065	5.842	5.656	5.956	5.778	6.228	5.562	5.441	5.598	5.883
1440619	at	Mapk8ip1	BB546463	Mm.2720	2	7.679	7.201	7.461	7.560	7.465	7.519	7.714	7.475	7.348	7.209	7.482	7.394	7.391	7.310	7.502	7.498	7.494	7.485	7.772	7.677	7.495	7.354	7.731	7.595
1440620	at	NA	BB124896	Mm.162811	8	7.787	7.441	7.853	7.974	7.703	7.762	7.839	7.571	7.360	7.501	7.715	7.677	7.850	7.778	7.777	7.809	7.614	7.679	7.746	7.845	7.781	7.760	7.935	7.775
1440621	at	NA	AW551461	NA	NA	7.889	7.609	7.807	7.926	7.694	7.899	7.821	7.919	7.051	7.287	7.812	7.885	7.593	7.578	7.708	7.806	7.992	7.890	7.298	7.885	8.013	8.115	7.893	7.968
1440622	at	NA	BB043509	NA	NA	4.695	4.543	4.542	4.559	4.840	4.422	4.435	4.556	4.604	4.718	4.486	4.666	4.766	4.606	4.593	4.546	4.555	4.418	4.585	4.563	4.392	5.086	4.582	4.764
1440623	at	Gpr26	BB128997	Mm.208740	7	6.530	6.194	6.550	6.521	6.303	6.276	6.392	6.351	6.169	6.331	6.240	6.119	6.365	6.246	6.150	6.330	6.053	6.309	6.494	6.423	6.393	6.125	6.294	6.304
1440624	at	NA	BB477150	NA	NA	3.672	4.012	4.307	3.925	3.777	3.907	3.930	4.006	3.652	3.822	3.679	3.980	4.102	3.817	3.783	4.172	4.558	4.033	3.970	3.791	3.724	4.425	4.285	4.170
1440625	at	D930015E06Rik	BB547420	Mm.28838	3	7.289	7.155	7.097	7.117	7.159	7.225	7.314	7.183	7.028	7.178	6.868	7.130	7.140	7.126	7.230	7.099	7.503	7.298	7.160	7.310	7.113	7.587	7.334	7.002
1440626	at	Hoxd13	BB037416	Mm.57227	2	6.853	6.816	6.749	6.882	6.780	6.800	6.827	6.766	6.836	6.831	6.908	6.640	6.888	6.864	6.779	6.861	6.744	6.673	6.800	6.949	6.931	6.841	7.000	6.936
1440627	at	Atp8a2	BB456827	Mm.319599	14	8.094	8.161	8.167	8.145	8.158	8.225	8.322	8.383	8.184	8.017	8.308	8.128	8.162	8.223	7.945	8.086	8.124	8.196	8.190	8.482	8.251	8.148	8.205	8.150
1440628	at	NA	BB309880	NA	NA	5.926	5.485	5.834	5.703	5.749	5.906	5.842	5.957	5.741	5.627	6.011	5.465	5.823	5.810	5.625	5.824	5.906	5.371	5.776	6.117	5.810	5.704	5.658	5.813
1440629	at	NA	AV340255	Mm.329353	18	4.911	4.217	4.343	4.200	4.230	4.396	4.284	4.238	4.400	4.238	4.400	4.238	4.400	4.238	4.400	4.238	4.400	4.238	4.400	4.238	4.400	4.238	4.400	4.238
1440630	at	NA	BB233162	NA	NA	4.551	4.560	4.579	4.704	4.558	4.622	4.558	4.494	4.587	4.508	4.620	4.463	4.792	4.465	4.725	4.483	4.538	4.553	4.731	4.424	4.449	4.629	4.686	
1440632	at	Pcdh4b	AV246533	Mm.196711	18	3.934	3.804	4.048	3.831	3.754	3.894	3.826	3.713	3.840	3.926	3.836	3.616	3.868	3.935	3.960	3.824	3.787	3.665	3.783	4.075	4.079	3.903	4.424	3.805
1440633	at	Neil3	AV316939	Mm.281749	8	6.380	6.763	6.606	6.473	6.528	6.640	6.759	7.095	6.364	6.640	6.713	6.355	6.423	6.911	6.670	6.582	6.300	6.418	6.575	6.450	6.289	6.371	6.280	6.498
1440634	at	NA	BC072806	NA	NA	6.326	6.982	6.606	6.701	7.190	6.803	6.547	6.909	7.304	7.223	6.456	7.509	7.282	7.113	6.722	6.674	6.590	6.439	6.494	6.382	6.448	6.628	6.544	6.471
1440635	at	Palid	BB534971	Mm.29933	8	8.060	7.709	7.545	7.526	7.563	7.636	7.667	8.341	7.952	7.779	8.535	8.056	8.087	7.241	7.876	7.707	8.832	8.107	7.884	7.945	8.508	9.043	7.748	7.483
1440636	at	NA	BB378931	NA	NA	8.916	8.436	9.072	9.129	8.741	8.970	9.055	8.723	8.429	8.202	8.659	8.653	8.564	8.315	8.387	9.094	8.909	8.973	8.834	8.921	8.885	8.819	8.949	8.902
1440637	at	NA	BB204696	NA	NA	6.759	7.943	7.912	7.578	7.542	7.622	7.943	7.596	8.658	8.510	7.442	7.514	8.002	7.894	7.725	7.545	7.503	7.599	7.585	7.992	7.392	7.584	7.584	7.584
1440638	at	AZ330107N01Rik	BB183586	Mm.331386	13	4.233	4.175	4.457	4.707	4.435	4.444	4.597	4.253	4.462	4.308	4.350	4.261	4.372	4.542	4.452	4.527	4.477	4.410	4.490	4.540	4.529	4.419	4.558	4.485
1440639	at	Dlaa01	BB231840	Mm.331840	17	7.445	7.211	7.445	7.400	7.373	7.345	7.302	7.540	7.293	7.276	7.570	7.288	7.207	7.297	7.373	7.399	7.551	7.515	7.369	7.439	7.385	7.390	7.409	7.458
1440640	at	201011101Rik	BB279097	Mm.188105	13	6.258	5.698	5.648	6.265	5.883	5.799	6.759	6.376	6.292	6.485	5.981	7.033	5.957	6.296	6.292	5.832	6.109	5.657	5.784	5.875	6.242	5.960	6.105	5.791
1440641	at	Vps29	BB278998	Mm.216528	5	6.436	6.520	6.160	6.499	6.606	6.431	6.223	6.123	6.465	6.469	6.261	6.357	6.262	6.140	6.312	6.192	5.935	6.212	5.888	5.846	5.929	6.174	6.449	5.971
1440642	at	D630042P16Rik	BB552790	Mm.122653	6	7.380	6.934	7.204	7.328	7.104	7.061	7.269	7.199	6.889	7.100	6.991	6.969	7.224	6.818	6.930	7.237	7.121	7.117	7.123	7.166	7.350	7.171	7.393	7.316
1440643	at	NA	BB535528	NA	NA	7.525	7.369	7.434	7.460	7.393	7.302	7.531	7.360	7.763	7.571	7.245	7.389	7.377	7.540	7.523	7.752	7.624	7.492	7.463	7.476	7.524	7.481	7.452	7.439
1440644	at	Perp6	BB501793	Mm.439943	9	4.151	4.157	4.955	4.162	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416	4.416
1440645	at	BB114814	BB277250	Mm.304207	7	5.																							

1440692	at	Gm364	AV280269	Mm.79079	X		4.632	4.453	4.567	4.458	4.329	4.471	4.689	4.438	4.504	4.425	4.524	4.428	4.476	4.547	4.452	4.537	4.541	4.467	4.721	4.799	4.607	4.546	4.742	4.605	
1440693	at	Paidd	BB424787	Mm.29933	8		7.774	7.734	7.886	7.805	7.774	8.090	7.927	7.525	7.684	7.833	7.936	7.802	7.785	7.610	7.802	7.908	7.853	7.782	7.711	7.859	7.404	7.670	7.849	7.685	
1440694	at	NA	BB523556	NA	NA		4.213	3.982	4.113	3.973	4.030	4.340	4.132	4.113	4.149	4.193	4.207	4.159	4.036	3.937	4.246	4.142	4.122	4.338	4.305	4.328	4.077	4.176	4.204	4.263	
1440695	at	NA	BB471462	NA	NA		7.906	7.557	7.970	7.891	7.551	7.993	7.920	7.948	7.875	7.745	7.919	7.911	8.125	8.002	7.909	7.766	7.769	7.880	7.769	7.977	7.905	7.626	7.996	7.765	
1440696	at	Z300002D11Rik	BB386220	Mm.151594	4		8.029	7.616	8.067	8.009	7.992	8.029	7.995	8.058	7.909	7.747	7.998	7.954	7.962	8.080	8.016	8.254	7.913	7.771	7.973	7.975	7.957	7.838	8.163	8.112	
1440697	at	AV46446	AV390202	Mm.32182	13		6.348	6.106	6.49	6.391	6.246	6.374	6.427	6.239	6.384	6.254	6.440	6.282	6.287	6.359	6.23	6.350	6.441	6.533	6.625	6.692	6.297	6.416	6.639	6.394	
1440698	at	NA	BB380493	NA	NA		6.135	5.815	6.008	6.001	6.003	5.843	6.041	5.966	5.692	5.898	6.153	5.830	6.029	5.990	6.005	5.990	5.917	5.914	6.061	6.153	6.011	5.921	5.999	5.996	
1440699	at	Mta2	BB189640	Mm.256966	1		4.672	4.886	5.108	4.864	4.932	4.810	4.965	4.883	4.863	4.663	4.803	4.808	4.832	4.959	4.974	5.155	4.856	5.034	4.882	5.009	5.043	4.900	4.640	5.047	
1440700	a at	Arhqe18	BB227996	Mm.170461	8		7.628	7.786	7.523	7.869	7.709	7.520	7.762	7.818	7.495	7.691	7.507	7.631	7.642	7.461	7.577	7.526	7.872	7.737	7.541	7.452	7.714	7.774	7.711	7.548	
1440701	at	NA	BM229163	NA	NA		6.776	6.467	6.644	6.678	6.694	6.646	6.714	6.681	6.831	6.552	6.856	6.724	6.573	6.646	6.567	6.463	6.642	6.551	6.768	6.699	6.779	6.701	7.033	6.623	
1440702	at	AU022297	AU02563	NA	3		6.632	6.207	6.424	6.459	6.298	6.284	6.405	6.466	6.370	6.261	6.451	6.390	6.235	6.368	6.392	6.491	6.196	6.319	6.374	6.368	6.407	6.465	6.394	6.490	
1440703	at	NA	BM199768	NA	NA		6.804	6.286	6.634	6.682	6.504	6.499	6.531	6.534	6.337	6.354	6.499	6.362	6.527	6.569	6.701	6.511	6.598	6.403	6.556	6.678	6.522	6.524	6.683	6.504	
1440704	at	Rxf2	BM248364	Mm.444643	5		4.843	5.001	5.019	5.028	5.000	5.022	5.106	4.931	4.980	4.903	5.067	4.892	5.047	4.963	5.266	5.031	4.967	5.063	5.209	5.149	5.062	5.132	5.027		
1440705	at	AU021720	AU021720	NA	10		3.673	3.746	3.740	3.723	3.642	3.662	3.773	3.802	3.634	3.546	3.680	3.690	3.576	3.690	3.672	3.616	3.691	3.652	3.644	3.482	3.675	3.595	3.675	6.626	
1440706	at	Bmp8b	BM210179	Mm.439764	4		6.534	6.368	6.544	6.693	6.691	6.582	6.634	6.613	6.503	6.480	6.742	6.469	6.517	6.567	6.621	6.707	6.654	6.609	6.683	6.896	6.628	6.545	6.667	6.755	
1440707	at	Dmrt3	AV298122	Mm.62785	19		5.382	5.258	5.200	5.345	5.251	4.997	4.960	5.255	5.294	5.322	5.275	5.134	5.325	5.322	5.437	5.229	5.290	5.320	5.286	5.264	5.245	5.158	5.261	5.313	
1440708	at	Myh9	BM121854	Mm.29677	15		6.956	7.555	6.591	6.757	7.199	6.785	6.764	6.639	7.702	6.955	7.322	7.150	7.078	7.130	6.865	6.846	6.723	6.661	6.751	6.438	6.530	6.681	6.872	6.772	
1440709	at	C130081A1ORik	BB375586	Mm.441999	9		7.301	7.020	7.361	7.213	7.274	7.182	7.279	7.275	7.348	7.147	7.443	6.807	7.063	7.249	7.115	7.257	7.104	7.332	7.259	7.331	7.456	6.975	7.370	7.174	
1440710	at	Zf760	C77232	Mm.371631	15		8.711	8.597	8.607	8.600	8.534	8.550	8.622	8.635	8.430	8.432	8.500	8.681	8.574	8.314	8.717	8.718	8.649	8.600	8.635	8.797	8.899	8.573	8.647	8.812	
1440711	at	C630001G18Rik	BB426320	Mm.405557	3		6.574	6.072	6.374	6.312	6.325	6.349	6.261	6.306	6.120	6.154	6.329	6.243	6.276	6.280	6.441	6.473	6.283	6.401	6.508	6.452	6.238	6.248	6.278	6.376	
1440712	at	NA	BB278215	NA	NA		7.789	7.239	7.584	7.434	7.599	7.490	7.513	7.617	7.509	7.330	7.567	7.288	7.496	7.421	7.519	7.494	7.397	7.519	7.459	7.606	7.380	7.358	7.472	7.482	
1440713	at	NA	BB280267	NA	NA		6.552	6.230	6.385	6.469	6.408	6.407	6.458	6.431	6.103	6.227	6.334	6.285	6.225	6.119	6.324	6.406	6.462	6.471	6.606	6.558	6.533	6.605	6.672	6.380	
1440714	at	NA	BB083283	NA	NA		4.380	4.293	4.423	4.281	4.286	4.428	4.379	4.360	4.386	4.208	4.269	4.298	4.299	4.220	4.353	4.257	4.393	4.311	4.227	4.491	4.336	4.418	4.177	4.622	
1440715	s at	Cdkn2aiapl	AU021842	Mm.289456	11		8.103	9.124	8.404	8.547	8.710	8.741	8.621	8.507	8.726	8.882	8.730	8.784	8.771	8.974	8.768	8.496	8.364	8.592	8.682	8.601	8.338	8.495	8.630	8.533	
1440716	at	B630604M11Rik	BB188841	Mm.208428	6		5.104	4.733	5.121	4.955	5.062	4.946	5.034	5.046	4.865	4.935	5.226	4.805	4.983	5.069	4.976	5.118	4.998	5.030	5.191	5.164	5.021	5.022	5.025	5.207	
1440717	at	AA407881	BG063170	NA	8		5.656	5.835	6.243	6.441	5.907	6.378	5.919	5.793	6.145	6.537	5.706	6.075	6.069	6.337	6.270	6.317	5.909	5.947	5.974	5.870	5.863	6.138	6.165	6.172	
1440718	at	Q052328	BB131097	Mm.266485	15		7.933	6.919	7.186	7.305	7.424	7.189	7.305	7.424	7.189	7.305	7.424	7.189	7.305	7.424	7.189	7.305	7.424	7.189	7.305	7.424	7.189	7.305	7.424	7.189	7.305
1440719	at	AV251087	BG651087	Mm.275121	2		5.894	5.683	5.562	5.732	5.823	5.693	5.702	5.815	5.620	5.506	5.765	5.631	5.463	5.526	5.377	5.003	5.833	5.656	5.727	5.602	5.540	5.665	5.611	5.500	
1440720	s at	Gle1	AV251087	Mm.275121	2		4.313	4.508	4.439	4.503	4.403	4.530	4.304	4.534	4.436	4.465	4.445	4.447	4.383	4.385	4.486	4.302	4.460	4.401	4.390	4.363	4.483	4.751	4.577	4.108	
1440721	at	5930433N17Rik	C85455	Mm.439494	13		7.456	7.668	7.499	7.246	7.352	7.481	7.443	7.503	8.031	8.264	7.500	7.889	7.667	7.358	8.027	7.404	7.590	7.509	7.145	7.451	7.575	7.499	7.227	7.275	
1440722	at	NA	BB284387	NA	NA		7.129	7.000	6.916	7.043	7.208	6.914	7.112	6.745	6.863	6.797	6.770	6.633	6.695	6.450	6.750	7.078	6.847	6.681	6.821	6.570	6.369	6.623	7.320	6.955	
1440723	at	NA	BB361830	NA	NA		5.962	5.379	5.737	5.672	5.513	5.806	5.863	5.480	5.496	5.558	5.950	5.452	5.501	5.709	5.821	5.825	5.643	5.589	5.786	5.785	5.644	5.463	5.667	5.992	
1440724	at	AI854703	BF466664	Mm.26678	6		8.292	7.978	8.147	8.144	8.028	8.134	8.326	8.136	8.103	8.009	8.103	7.970	8.153	8.122	8.158	8.225	8.162	7.945	8.224	8.190	8.138	8.175	8.102	8.262	
1440725	at	Gep3	BB131092	Mm.160412	4		4.449	4.281	4.439	4.423	4.306	4.363	4.405	4.277	4.372	4.228	4.558	4.242	4.466	4.372	4.406	4.517	4.334	4.277	4.338	4.551	4.296	4.456	4.298	4.303	
1440726	at	Z23006215Rik	BB286672	Mm.446672	18		3.793	3.699	3.585	3.345	3.724	3.308	3.345	3.724	3.308	3.345	3.724	3.308	3.345	3.724	3.308	3.345	3.724	3.308	3.345	3.724	3.308	3.345	3.724	3.308	3.345
1440727	at	NA	BF472124	NA	NA		6.685	6.243	6.685	6.747	6.487	6.591	6.819	6.647	6.465	6.398	6.488	6.721	6.630	6.456	6.663	6.746	6.772	6.958	6.761	6.684	6.596	6.860	6.792	6.875	
1440728	at	NA	BB283560	NA	NA		5.813	5.580	5.797	5.697	5.946	5.851	5.991	5.664	5.888	5.836	6.036	5.779	6.085	5.824	6.045	5.699	5.571	5.891	5.832	5.931	5.839	5.512	5.786	5.745	
1440729	at	Eps15	AI649374	Mm.318250	4		5.842	5.978	6.146	6.199	6.084	6.087	5.856	6.096	6.318	6.207	5.816	6.284	6.336	6.282	5.849	6.187	5.995	6.111	5.881	5.612	6.177	6.673	6.595	6.579	
1440730	at	NA	BB284266	NA	NA		4.467	4.598	4.436	4.737	4.687	4.398	4.572	4.324	4.446	4.328	4.476	4.366	4.472	4.345	4.469	4.451	4.511	4.346	4.677	4.484	4.636	4.637	4.690	4.530	
1440731	at	AI1313759	BB134269	Mm.339029	10		7.617	7.371	7.582	7.541	7.449	7.153	7.442	7.767	7.337	7.460	7.442	7.528	7.417	7.399	7.429	7.526	7.755	7.684	7.619	7.696	7.650	7.481	7.514	7.355	
1440732	at	D030018L15Rik	BB701723	Mm.210567	15		7.525	7.390	7.361	7.395	7.783	7.426	7.669	7.395	7.720																

1440781	at	B830007D08Rik	B8333095	Mm.446548	9	7.392	7.208	7.105	7.163	7.244	7.451	7.110	7.354	7.102	7.253	7.249	7.304	7.201	7.064	7.515	7.208	7.270	7.110	7.005	6.878	7.173	7.279	7.449	6.787
1440782	at	Ska01	B8238897	Mm.395840	11	3.950	3.798	3.754	3.915	3.796	3.970	3.884	3.661	3.786	3.807	3.718	3.812	3.715	3.733	3.848	3.821	3.926	3.887	3.789	3.859	3.760	3.760	3.774	3.912
1440783	at	4930529M08Rik	B8521182	Mm.136347	2	1.875	1.738	1.803	1.803	1.825	1.967	1.971	1.861	1.886	1.901	1.815	1.908	1.890	1.801	1.879	1.976	1.997	1.902	1.997	1.864	1.804	1.914	1.801	1.825
1440784	at	NA	B8042712	NA	NA	5.480	4.937	5.075	5.224	5.170	5.386	5.435	5.201	4.981	4.946	5.365	4.926	5.142	4.995	4.993	5.323	5.359	5.501	5.328	5.440	5.004	5.811	5.192	5.391
1440785	at	Rxb1	B8146567	Mm.331086	3	4.514	4.388	4.652	4.583	4.615	4.580	4.452	4.552	4.484	4.371	4.547	4.544	4.577	4.596	4.499	4.568	4.544	4.741	4.444	4.473	4.678	4.619	4.514	4.746
1440786	at	Sfrn2	B8377927	Mm.296837	19	3.948	3.987	4.051	3.940	4.057	3.853	3.817	4.029	4.104	4.252	3.957	3.912	3.945	3.988	4.140	3.890	4.343	4.419	4.285	4.095	4.034	4.639	4.255	4.476
1440787	s	Bbs10	B8106485	Mm.452556	10	6.801	6.716	6.997	7.029	6.959	6.967	7.160	6.839	6.922	7.030	6.815	7.073	6.954	7.072	6.875	7.068	7.287	7.174	7.016	7.300	7.035	6.999	7.100	6.707
1440788	at	Gas8	B8316368	Mm.117265	8	6.463	6.426	6.705	6.753	6.716	6.515	6.571	6.745	6.505	6.491	6.650	6.613	6.459	6.358	6.652	6.752	6.658	6.657	6.644	6.811	6.862	6.815	6.900	6.715
1440789	at	Neo1	B8243938	Mm.42249	9	5.673	5.669	6.021	6.044	5.885	6.237	5.825	5.493	5.855	6.041	5.128	6.052	6.032	5.799	5.946	5.919	6.359	6.247	6.294	5.959	5.947	6.172	5.738	5.510
1440790	x	at	B8394466	NA	NA	7.215	7.707	7.180	7.281	7.668	7.294	7.286	7.128	7.977	7.925	7.073	7.581	7.514	7.854	7.328	7.145	7.026	7.019	7.041	6.898	6.945	7.358	7.604	7.517
1440791	x	Tcea2	AV337405	Mm.24245	2	8.852	8.348	8.747	8.724	8.704	8.645	8.806	8.652	8.571	8.570	8.758	8.517	8.630	8.639	8.767	8.772	8.710	8.769	8.689	8.996	8.696	8.696	8.428	8.728
1440792	x	Opri1	B8405850	Mm.425181	4	5.048	5.308	5.094	5.108	5.203	5.141	5.135	5.146	5.423	5.288	5.115	5.143	5.315	5.344	5.243	5.205	5.176	5.189	5.149	5.111	4.999	4.835	5.010	4.987
1440793	at	1700029M03Rik	AV205680	Mm.67177	1	4.230	3.939	4.254	4.126	3.901	4.139	4.065	3.843	3.899	3.863	4.074	3.808	3.995	3.995	3.888	4.242	4.065	4.317	4.027	4.290	4.45	4.170	4.014	3.993
1440794	x	at	AV205680	Mm.67177	1	4.160	4.223	4.326	4.076	4.067	4.290	4.407	4.120	4.160	3.899	4.157	4.151	4.206	4.208	4.332	4.397	4.037	4.181	4.728	4.335	4.222	4.422	4.165	4.232
1440795	x	Rabep2	B8259371	Mm.35467	7	8.601	8.762	8.649	8.909	8.450	8.744	8.683	8.824	8.687	8.337	8.164	9.017	8.648	8.811	8.353	8.550	9.393	8.979	8.805	8.719	9.359	9.654	8.442	8.419
1440796	at	A330021E22Rik	B8561281	Mm.319007	5	5.304	5.044	5.120	5.251	4.935	5.375	4.956	5.112	4.830	4.858	5.071	5.143	5.162	4.951	5.256	5.086	4.891	4.740	5.029	5.050	5.080	5.076	4.979	5.099
1440797	at	DLx6os2	B8023120	Mm.429391	6	7.734	7.648	7.592	7.723	7.845	7.496	7.569	7.758	7.716	7.661	7.720	7.480	7.688	7.704	7.514	7.423	7.712	7.645	7.648	7.588	7.744	7.642	7.700	7.438
1440798	x	at	AV039925	Mm.244890	15	4.003	3.954	4.208	3.980	3.962	3.924	4.076	3.793	3.939	3.792	3.958	3.859	3.982	3.905	4.024	4.017	3.849	4.275	4.179	4.102	3.899	3.817	3.958	3.893
1440799	s	Farp2	AI465173	Mm.28761	1	7.742	7.116	7.715	7.662	7.354	7.322	7.675	7.583	7.217	7.417	7.117	7.477	7.176	6.990	7.110	7.691	8.259	7.803	7.714	7.770	8.111	8.464	7.674	7.474
1440800	at	NA	B8251113	NA	NA	7.756	6.939	7.574	7.642	7.544	7.404	7.692	7.443	7.177	7.046	7.290	7.222	7.085	7.233	7.363	7.721	7.425	7.462	7.396	7.703	7.380	7.196	7.520	7.789
1440801	s	Adrbk2	B8391602	Mm.285619	5	8.074	8.163	7.733	7.935	8.536	8.325	8.018	8.344	8.442	8.428	8.651	8.198	8.144	7.856	7.994	7.836	8.557	8.659	8.899	7.895	7.922	8.635	6.678	7.817
1440802	at	Clasp2	B8349272	Mm.222722	9	4.052	4.051	4.061	4.313	4.174	4.209	4.111	4.127	4.202	4.268	4.127	4.414	4.287	4.322	4.178	4.033	4.018	4.126	4.169	4.276	4.074	4.163	4.230	4.099
1440803	x	Tacr3	B8498416	Mm.103810	3	4.435	4.207	4.220	4.375	4.275	4.030	4.488	4.262	4.450	4.298	4.179	4.311	4.282	4.509	4.372	4.355	4.421	4.115	4.205	4.389	4.284	4.149	4.430	4.305
1440804	at	Nktr	B8548312	Mm.32842	9	5.407	5.190	5.215	5.017	5.229	5.311	5.194	5.108	5.399	5.218	5.361	5.208	5.062	5.221	4.962	5.254	5.195	5.248	5.386	5.305	5.420	5.055	5.091	5.130
1440805	at	Baz1b	B8207219	Mm.40331	5	7.669	7.101	7.347	7.306	7.106	7.423	7.434	7.357	7.181	7.046	7.444	7.220	7.032	7.170	7.381	7.479	7.120	7.251	7.423	7.394	7.385	7.300	7.506	7.532
1440806	x	at	AV305197	Mm.454923	12	3.783	3.874	3.718	3.928	3.658	3.796	4.021	3.807	3.720	3.807	3.767	3.800	3.725	3.756	3.693	3.888	3.819	3.856	3.694	3.747	3.835	3.817	3.789	3.758
1440807	x	at	B8377927	Mm.296837	NA	NA	3.872	3.922	3.805	3.853	3.784	3.805	3.812	3.786	3.805	3.762	3.800	3.765	3.804	3.846	3.866	3.819	3.856	3.844	3.868	3.819	3.844	3.825	3.868
1440808	x	Cd16l31	B8209710	Mm.19283	12	6.593	6.252	6.324	6.437	6.229	6.561	6.569	6.274	6.089	6.091	6.467	6.222	6.317	6.452	6.267	6.899	6.651	7.14	6.747	6.647	6.521	6.321	6.462	6.922
1440809	at	NA	B8530688	NA	NA	7.279	6.940	7.131	7.149	7.091	7.102	7.211	7.220	7.270	7.205	7.230	7.223	7.558	7.462	7.168	7.214	7.184	7.125	7.167	7.507	7.173	7.189	7.302	7.193
1440810	x	at	B8246383	NA	NA	3.861	3.884	3.951	3.910	3.948	4.028	3.994	3.931	3.772	3.981	3.602	3.984	3.904	3.846	3.953	4.011	3.938	4.262	4.284	4.003	3.838	3.946	3.808	3.909
1440811	x	Cd8a	B8030635	Mm.1858	6	6.301	6.107	6.096	5.854	5.920	6.049	6.080	5.800	5.860	5.880	6.113	6.087	5.818	5.874	6.046	6.092	6.004	6.022	5.875	6.049	5.945	5.921	5.990	5.951
1440812	at	NA	B8178995	NA	NA	3.494	3.517	3.626	3.619	3.535	3.737	3.639	3.601	3.614	3.662	3.755	3.477	3.579	3.768	3.656	3.620	3.560	3.692	3.570	3.510	3.675	3.663	3.601	3.590
1440813	s	P1xn3	AI451018	Mm.275600	X	7.948	7.424	7.798	8.011	7.763	8.018	8.117	7.656	7.619	7.508	7.735	7.571	7.627	7.716	7.940	7.819	8.199	8.025	7.957	8.019	8.126	7.988	8.050	8.094
1440814	x	H3st2	B8267890	Mm.247449	7	9.020	8.934	8.807	8.981	9.093	8.712	8.898	9.197	9.099	9.116	9.203	9.047	9.084	9.145	8.944	8.863	8.881	8.963	9.000	9.118	8.913	8.988	9.045	8.870
1440815	at	H2C624112	B8294475	Mm.3902	14	3.771	3.639	3.950	3.939	3.732	3.902	3.994	3.733	3.597	3.739	3.620	3.628	3.589	3.547	3.865	3.825	3.801	3.866	3.858	3.803	3.863	3.858	3.858	3.858
1440816	x	Ddx1	AV089443	Mm.251255	12	11.127	10.908	11.163	11.090	10.931	10.892	11.001	11.387	10.920	10.918	10.728	10.975	10.704	10.956	10.748	11.052	11.457	11.067	10.989	10.890	11.332	11.644	11.088	11.150
1440817	x	LOC100047782	B8242445	NA	7	10.345	10.612	10.167	10.281	10.579	10.060	10.105	10.988	10.768	10.288	10.231	10.808	10.646	9.950	10.168	10.032	11.185	10.600	10.128	10.033	10.375	11.267	9.991	9.930
1440818	s	Sf3b1	B8161546	Mm.279736	1	10.155	9.901	10.064	9.653	9.898	9.798	9.789	10.169	9.914	9.978	9.838	9.908	9.803	9.881	10.107	9.810	9.942	9.786	9.627	9.470	10.040	10.518	10.180	10.398
1440819	s	BC059842	B8541793	Mm.415218	4	5.816	6.256	5.930	5.869	6.288	5.457	5.661	6.336	6.285	6.238	5.955	6.408	5.939	5.683	5.771	5.785	6.343	6.298	5.967	5.405	6.095	6.459	5.868	5.478
1440820	x	Tmco2	AV206071	Mm.76832	4	5.347	5.057	5.124	5.071	5.052	5.253	5.138	5.045	5.163	5.085	5.054	4.959	4.989	5.222	5.179	5.226	5.046	5.298	5.223	5.364	4.974	5.056	5.150	5.231
1440821	x	Od1	AV041077	Mm.252830	15	4.627	4.263	4.414	4.540	4.253	4.260	4.410	4.431	4.357	4.365	4.376	4.314	4.380	4.449	4.371	4.367	4.191	4.297	4.303	4.383	4.400	4.335</		

1440870	at	Prdm16	BB356786	Mm.257785	4	8.729	8.293	8.757	8.763	8.649	8.857	8.337	7.765	7.879	8.221	7.829	7.955	8.076	8.011	8.013	8.721	8.781	9.010	8.965	8.815	8.142	8.392	8.958	8.713	
1440871	at	Magi1	AI835038	Mm.217216	6	5.551	5.370	5.584	5.199	5.239	5.441	5.520	5.371	5.256	5.329	5.593	5.213	5.414	5.363	5.379	5.437	5.450	5.509	5.571	5.614	5.571	5.355	5.522	5.610	
1440872	at	NA	BB234802	NA	NA	6.560	6.534	6.857	6.703	6.525	6.408	6.437	6.464	6.732	6.696	6.634	6.563	6.579	6.493	6.781	6.602	6.244	6.317	6.604	6.011	6.532	6.610	6.631	6.497	
1440873	at	NA	BE1917100	NA	NA	7.899	7.712	7.872	7.752	7.724	7.917	7.821	7.915	7.967	7.840	7.944	7.630	7.702	7.859	7.842	7.993	7.871	7.883	7.909	7.878	7.877	7.802	7.936	7.824	
1440874	at	Sfp5a1	BE586657	Mm.24481	1	9.309	8.286	9.004	9.293	8.987	9.114	8.314	8.793	7.800	8.418	9.035	8.724	8.388	8.401	9.149	9.138	9.153	8.921	8.870	9.304	9.553	9.651	9.737		
1440875	at	Resd1	BM233052	NA	NA	11	5.730	6.066	5.779	5.919	5.872	5.937	5.864	6.048	5.727	5.458	6.066	5.976	5.873	5.877	5.995	5.913	6.246	5.802	5.890	5.971	5.624	5.746	5.514	
1440876	at	NA	BE691686	NA	NA	7.367	7.240	7.265	7.219	7.253	7.273	7.257	7.283	7.253	7.203	7.309	7.227	7.319	7.187	7.248	7.263	7.329	7.462	7.256	7.252	7.398	7.132	7.466	7.075	
1440877	at	NA	BE457624	NA	NA	7.540	7.110	7.616	7.402	7.376	7.550	7.410	7.494	7.186	7.157	7.497	7.254	7.251	7.247	7.420	7.532	7.376	7.439	7.368	7.632	7.368	7.330	7.506	7.537	
1440878	at	Runx1	BB795285	Mm.4081	16	6.419	7.550	6.257	6.308	7.242	6.560	6.500	6.603	9.036	8.588	7.108	7.944	8.299	7.713	7.224	6.294	6.206	6.204	6.401	6.356	6.358	6.336	6.063	5.991	
1440879	at	Abca9	AW046072	Mm.291459	11	9.862	10.247	10.076	10.433	10.846	10.576	10.483	10.412	11.089	11.177	10.094	11.197	11.207	10.643	10.850	10.133	10.175	10.231	10.287	10.297	10.249	10.342	9.866	10.052	
1440880	at	Gnal	BI648107	Mm.440746	18	9.943	10.348	10.371	10.195	10.133	10.294	10.358	10.208	10.076	10.284	10.794	10.343	10.237	10.208	10.260	10.358	10.472	10.287	10.605	10.599	10.540	10.188	10.238	10.183	10.114
1440881	at	Brdn3	BM249644	Mm.100112	X	7.905	7.694	7.774	7.751	7.645	7.723	7.763	7.810	7.788	7.599	7.784	7.720	7.733	7.759	7.907	7.767	7.701	7.660	7.757	7.829	7.698	7.533	7.718	7.645	
1440882	at	Lrp8	BB750940	Mm.442134	4	6.872	8.332	6.556	6.686	7.800	6.840	6.877	7.809	8.480	8.580	6.139	7.658	7.739	8.567	7.433	6.519	6.641	6.603	6.799	6.443	5.914	6.315	6.354	6.301	
1440883	at	Uspn6	BM125576	Mm.40673	2	6.214	6.825	6.205	6.302	6.656	6.525	6.500	6.663	6.880	7.040	6.580	7.111	6.871	6.619	6.786	6.383	6.537	6.295	6.437	6.128	6.095	6.569	6.711	6.065	
1440884	s at	A530047J11Rik	BB218047	Mm.34175	11	10.409	10.006	10.213	10.271	10.579	10.094	10.287	10.552	9.841	10.228	10.185	10.580	10.293	9.737	10.231	10.207	10.354	10.297	10.035	10.010	10.291	10.601	9.929	10.095	
1440885	at	Evl	AW546029	Mm.207605	12	7.994	8.063	8.079	8.166	8.190	8.162	8.099	8.186	8.109	8.083	8.065	8.122	8.299	8.010	8.249	8.119	8.206	8.218	8.238	8.321	8.232	8.227	8.105	8.127	
1440886	at	Cdc37i1	BE949427	Mm.78875	19	8.544	7.928	8.434	8.460	8.237	8.472	8.326	8.164	7.299	7.560	7.787	7.607	8.068	7.535	8.112	8.293	8.440	8.363	8.223	8.310	8.514	8.233	8.845	8.604	
1440887	at	C330005M16Rik	AW537434	Mm.26022	7	6.913	6.663	6.852	6.799	6.638	6.669	6.762	6.852	6.749	6.784	6.943	6.696	6.791	6.664	6.747	6.748	6.747	6.769	6.749	6.820	6.725	6.744	6.864	6.909	
1440888	at	Oxlr1	BB551848	Mm.333310	6	7.105	6.728	7.062	6.700	7.066	7.030	6.904	6.888	7.000	6.653	7.066	6.805	6.799	6.871	7.081	6.885	6.813	6.824	6.878	7.251	6.860	6.679	6.695	6.756	
1440889	at	BC006695	BI155197	Mm.297761	11	5.573	5.255	5.623	5.526	5.272	5.460	5.582	5.312	5.065	5.418	5.600	5.088	5.158	5.315	5.451	5.568	5.351	5.481	5.496	5.817	5.604	5.501	5.588	5.706	
1440890	a at	Zfp809	BM176399	Mm.290849	9	8.650	8.811	8.711	8.569	8.889	8.807	8.491	8.238	8.796	8.727	8.119	8.655	8.546	8.535	8.549	8.659	8.648	8.755	8.701	8.510	8.697	9.101	8.759	8.851	
1440891	at	Gria4	AV336506	Mm.209263	9	3.886	3.915	3.768	3.760	3.851	3.863	3.977	3.726	3.738	3.733	3.813	3.778	3.897	3.833	3.839	3.976	3.815	4.100	3.906	3.744	3.723	3.927	3.859	3.886	
1440892	at	NA	BG064530	NA	NA	7.737	7.812	7.651	7.592	7.700	7.737	7.686	7.699	7.623	7.688	7.897	7.529	7.667	7.631	7.667	7.579	7.654	7.537	7.639	7.690	7.455	7.735	7.930	7.539	
1440893	at	Riot1	BB031426	Mm.297130	13	6.702	6.763	6.717	6.745	6.728	6.823	6.728	6.878	6.724	6.691	6.733	6.702	6.693	6.868	6.740	6.587	6.576	6.723	6.745	6.769	6.658	6.447	6.811	6.549	
1440894	at	Tmc3	BE984574	Mm.296805	10	6.886	6.567	7.118	6.678	6.662	6.963	6.760	6.147	6.607	6.802	6.883	6.848	6.928	6.933	7.097	6.215	6.742	6.894	7.132	6.734	6.092	7.125	7.076		
1440895	at	NA	BB122340	NA	NA	6.157	5.906	5.706	5.865	6.069	5.808	6.050	5.873	6.316	5.976	6.135	5.955	6.120	6.044	6.087	5.696	6.043	5.732	6.044	6.109	6.038	6.271	5.909	5.840	
1440896	at	NA	BB196755	NA	NA	6.919	6.097	6.261	6.951	6.989	6.972	6.987	6.989	6.972	6.987	6.989	6.972	6.989	6.972	6.989	6.972	6.989	6.972	6.989	6.972	6.989	6.972	6.989	6.972	
1440897	at	NA	AW823639	NA	NA	4.998	4.752	5.026	4.980	4.954	4.986	4.944	4.885	5.022	4.793	5.212	4.885	4.976	5.040	4.947	4.858	5.026	4.943	4.872	4.942	4.872	4.942	4.872	4.942	
1440898	at	4632412N22Rik	BB474395	Mm.187372	17	9.430	9.038	9.152	9.298	9.064	9.051	9.142	9.082	9.080	8.965	9.128	8.953	9.021	9.111	8.965	9.269	9.127	9.182	9.246	9.134	9.117	8.960	9.146	9.066	
1440899	at	Fmo5	BB141577	Mm.385180	3	6.884	6.481	7.027	7.100	6.779	6.993	6.867	6.565	6.425	6.574	6.180	6.904	6.838	6.184	6.681	7.026	7.157	7.080	6.999	7.395	6.616	6.860			
1440900	at	Gpr174	AV312603	Mm.383562	X	6.147	5.947	6.218	6.342	5.937	6.188	6.359	6.174	6.046	5.993	6.375	5.890	6.015	6.046	6.058	6.204	6.106	6.163	6.151	6.467	6.173	6.226	6.378	6.142	
1440901	at	Dkb	BB279524	Mm.126525	12	7.231	6.806	7.325	7.217	7.164	7.015	6.901	7.073	6.999	6.766	7.134	6.702	6.956	7.042	7.029	7.036	6.995	7.067	7.152	7.058	7.239	6.938	7.190	7.019	
1440902	at	Ernn	AI854460	Mm.91712	2	4.494	4.412	4.486	4.480	4.339	4.498	4.567	4.586	4.509	4.527	4.574	3.900	4.499	4.560	4.409	4.402	4.467	4.672	4.618	4.770	4.684	4.509	4.679	4.535	
1440903	at	NA	BG073023	NA	NA	5.053	4.748	5.262	5.220	5.085	5.100	5.152	5.317	5.206	5.144	4.973	4.980	4.884	5.059	4.983	5.050	5.239	4.968	5.224	5.396	5.517	5.558	5.042	5.361	
1440904	at	Snrp5	BE555952	Mm.152890	16	5.370	7.090	6.828	6.927	6.772	6.128	6.909	6.932	7.103	6.726	7.144	6.607	6.599	7.516	6.792	6.694	6.342	6.627	6.334	6.627	6.334	6.627	6.334	6.627	
1440905	at	Hs2s1t	AI451487	Mm.12863	3	7.181	7.476	7.312	7.336	7.593	7.461	7.385	7.466	7.617	7.621	7.447	7.421	7.614	7.658	7.739	7.293	7.423	7.389	7.419	7.504	7.344	7.245	7.487	6.938	
1440906	at	NA	BB431636	NA	NA	4.626	4.543	4.463	4.403	4.537	4.448	4.517	4.471	4.504	4.344	4.438	4.557	4.600	4.534	4.354	4.465	4.280	4.254	4.428	4.426	4.305	4.414	4.455	4.482	
1440907	at	NA	BE692038	NA	NA	8.167	7.925	8.088	8.192	8.051	8.049	8.050	8.039	8.134	8.045	8.166	7.749	8.203	7.886	7.937	8.060	7.976	7.969	8.074	8.058	8.216	7.944	8.031	8.000	
1440908	at	D030063E12	BB447861	Mm.102877	15	7.733	7.661	7.654	7.633	8.061	8.057	7.640	7.816	7.612	7.783	7.651	7.808	7.879	7.581	7.943	7.797	7.891	7.935	7.956	7.973	7.821	7.931	7.893	7.864	
1440909	at	Irfc1	AV270586	Mm.33811	7	7.829	7.484	7.694	7.755	7.707	7.807	7.647	7.730	7.652	7.686	7.634	7.586	7.703	7.753	7.920	7.752	7.785	7.572	7.742	7.727	7.747	7.940	7.812	7.919	
1440910	at	C77370	AW495307	Mm.381907	X	4.458	4.734	4.533	4.394	4.608	4.572	4.417	4.819	4.466	4.597	4.486	4.419	4.475	4.798	4.578	4.526	5.124	4.659	4.760	4.517	4.533	4.448	4.596	4.518	

1440959	s	at	Mynn	BB759556	Mm.200378	3	6.063	5.925	6.028	6.098	6.079	6.093	5.959	6.137	5.957	6.049	5.863	6.065	6.035	5.864	5.889	6.022	6.222	6.206	6.318	6.272	6.075	6.472	6.097	6.137		
1440960	at	NA	NA	BB236692	NA	NA	4.531	4.018	4.305	4.189	4.250	4.266	4.465	4.230	4.206	4.111	4.363	3.930	4.319	4.389	4.454	4.299	4.254	4.537	4.249	4.435	4.362	4.075	4.075	4.306		
1440961	at	9130604C24Rik	BB546060	Mm.393410			5	6.438	6.246	6.402	6.540	6.483	6.340	6.772	6.493	6.594	6.361	6.537	6.513	6.561	6.233	6.270	6.611	6.539	6.515	6.519	6.498	6.381	6.518	6.396	6.312	
1440962	at	Slc8a3	AV361504	Mm.443748			12	6.730	6.525	6.588	6.624	6.622	6.790	6.783	6.573	6.605	6.513	6.782	6.620	6.888	6.604	6.760	6.612	6.788	6.679	6.856	6.902	6.798	6.778	6.707	6.812	
1440963	at	Cbl2a23	BB763999	Mm.134339			8	8.631	8.127	8.633	8.478	8.431	8.502	8.576	8.522	8.340	8.133	8.575	8.653	8.506	8.313	8.684	8.620	8.738	8.714	8.473	8.711	8.849	8.783	8.678		
1440964	at	Cbl2a13	BB763998	Mm.194339			8	8.996	8.403	8.799	8.756	8.832	8.806	8.867	8.950	8.571	8.511	8.656	8.748	8.869	8.443	8.750	8.890	9.070	8.878	8.829	9.021	9.145	8.774	8.845		
1440965	at	Piql	AW018348	Mm.390358			11	8.229	8.393	8.330	8.297	8.293	8.523	8.360	8.572	8.111	8.075	8.176	8.338	8.375	8.211	8.336	8.349	8.436	8.571	8.551	8.546	8.375	8.455	8.354	8.206	
1440966	at	7-Mar	BB247830	Mm.260635			2	8.778	6.683	8.740	8.712	8.742	8.924	8.777	8.577	8.447	8.706	8.248	8.856	8.340	8.180	8.881	8.565	8.721	8.589	8.653	8.577	8.587	8.833	8.828	8.438	
1440967	at	NA	AI666381	NA	NA	NA	6	6.507	6.654	6.516	6.643	6.661	6.594	6.726	6.683	6.792	6.800	6.663	6.661	6.681	6.676	6.544	6.582	6.509	6.854	6.585	6.876	6.725	6.577	6.660	6.805	
1440968	at	Lctn	BB337960	Mm.276294			1	4.959	4.974	4.964	4.859	4.738	5.147	5.186	5.053	4.909	4.862	4.887	4.852	4.971	4.899	4.829	4.993	5.208	4.989	5.047	5.060	5.122	4.982	4.966	5.108	
1440969	at	BC030308	BE944957	Mm.101139			2	6.918	6.475	6.818	7.014	7.120	6.844	7.022	6.802	6.665	6.514	6.667	6.817	6.996	6.776	6.892	6.786	7.137	7.221	7.491	7.369	6.892	7.298	7.020	7.039	
1440970	at	NA	BM218863	NA	NA	NA	6	6.930	6.632	6.813	6.880	6.783	6.910	6.728	6.904	7.024	6.845	7.216	6.775	6.770	6.850	6.992	6.979	6.761	6.969	6.915	6.969	6.940	6.711	6.854	7.167	
1440971	x	at	Zfp771	Mm.41038			1	7.859	9.093	8.476	8.627	8.781	8.226	8.299	9.227	8.699	8.516	8.308	9.900	8.715	7.987	8.409	8.318	9.430	8.773	8.412	8.365	9.029	9.752	8.338	8.125	
1440972	at	Nsd1	AI413236	Mm.12964			13	7.878	8.289	7.932	7.902	8.288	8.120	7.941	8.080	8.363	8.276	7.749	8.450	8.378	8.085	8.128	7.936	8.196	8.103	8.103	7.926	8.075	8.060	7.856	7.767	
1440973	at	LOC552874	B0174511	Mm.35227			8	8.326	7.814	8.261	8.160	8.109	8.020	8.075	8.105	8.137	7.898	8.266	7.878	8.076	8.192	8.180	8.080	8.089	8.077	8.070	8.337	8.103	8.098	8.233	8.023	
1440974	at	9030203C11Rik	BB242458	Mm.441858			10	6.501	6.825	6.436	6.644	6.702	6.514	6.580	6.449	6.682	6.710	6.785	6.756	6.787	6.802	6.617	6.636	6.622	6.609	6.618	6.516	6.554	6.736	6.603	6.584	
1440975	at	Mxra7	BB275943	Mm.64962			11	8.479	9.247	8.197	8.139	9.577	8.304	8.064	9.428	9.669	9.669	8.758	9.568	9.620	9.169	9.295	8.187	8.014	8.169	8.563	8.125	8.246	7.848	8.399	7.700	
1440976	at	1110035M17Rik	BB809668	Mm.426849			11	6.855	6.442	6.807	6.783	6.603	6.621	6.875	6.678	6.688	6.481	6.618	6.713	6.504	6.594	6.666	6.620	6.898	6.656	6.787	7.000	6.735	6.744	6.801	6.722	
1440977	at	NA	BB201490	NA	NA	NA	8	7.895	8.217	8.434	8.513	8.783	8.481	8.669	8.289	8.376	8.400	6.616	8.435	8.466	8.406	8.456	8.667	6.383	8.261	8.157	8.398	8.177	8.153	8.055	8.484	
1440978	at	Pfam	BE992189	Mm.26612			1	7.535	7.478	7.386	7.503	7.484	7.383	7.466	7.499	7.600	7.529	7.579	7.451	7.521	7.704	7.563	7.515	7.511	7.542	7.612	7.411	7.636	7.445	7.678	7.404	
1440979	at	Igf2r	BE994321	Mm.26553			17	7.057	6.869	6.888	6.981	6.896	6.863	7.067	6.971	6.574	6.636	6.951	6.906	6.849	6.720	6.933	6.960	7.008	6.899	7.057	7.161	6.825	6.864	7.064	6.968	
1440980	at	Kcnh8	AV258531	Mm.399068			17	5.725	5.424	5.723	5.836	5.433	5.600	5.695	5.613	5.475	5.452	5.792	5.620	5.561	5.609	5.795	5.664	5.920	5.763	5.652	5.726	5.829	5.886	5.753	5.604	
1440981	at	Pak7	BB266045	Mm.131572			2	4.848	4.808	4.814	4.918	4.882	4.820	4.852	4.817	4.882	4.794	4.817	4.572	4.780	5.004	4.719	4.756	4.981	4.821	4.819	4.995	4.876	4.699	4.947	4.775	
1440982	at	NA	BB209400	NA	NA	NA	7	7.147	7.150	7.352	7.056	7.182	7.194	7.065	7.133	7.300	7.149	7.172	7.291	7.058	7.160	7.266	7.223	7.062	7.069	6.723	7.086	6.968	6.857	7.058	7.280	
1440983	at	Ttcl5	AW492503	Mm.132006			12	7.630	7.226	7.431	7.581	7.485	7.338	7.492	7.436	7.464	7.247	7.124	7.373	7.425	7.405	7.304	7.506	7.481	7.333	7.552	7.677	7.556	7.380	7.587	7.574	
1440984	at	Baz2b	BE943712	Mm.228071			2	5.928	5.835	5.633	5.816	5.918	5.835	5.571	5.806	5.912	5.750	5.437	6.136	5.908	5.296	5.810	5.558	6.197	5.993	5.581	5.809	6.029	5.958	5.739	5.765	
1440985	at	300203J23Rik	B0186739	Mm.416301			4	6.782	6.537	6.587	6.688	6.787	6.576	6.787	6.787	6.775	6.625	6.708	6.674	6.700	6.718	6.815	6.674	6.815	6.675	6.815	6.625	6.998	6.798	6.783	6.978	
1440986	at	Rn7	BM197823	Mm.259222			2	5.365	5.954	5.527	5.767	5.923	5.707	5.774	5.828	5.634	5.571	5.888	5.582	5.606	5.774	5.666	5.685	5.655	5.655	5.655	5.655	5.655	5.655	5.655	5.655	
1440987	at	4631416L12Rik	BE980896	Mm.153974			3	6.457	6.367	6.594	6.425	6.628	6.373	6.549	6.564	6.453	6.187	6.786	6.494	6.477	6.484	6.653	6.532	6.629	6.564	6.576	6.474	6.523	6.379	6.582	6.626	
1440988	at	NA	BB375207	NA	NA	NA	5	6.605	5.363	5.416	5.604	5.634	5.670	5.729	5.500	5.409	5.613	5.676	5.392	5.593	5.544	5.612	5.555	5.667	5.523	5.586	5.772	5.582	5.563	5.593	5.664	
1440989	at	Mrfp35	BB183373	Mm.28579			6	8.939	8.881	8.956	8.919	8.885	8.894	9.015	9.059	8.418	8.653	8.605	8.736	8.359	8.461	8.638	8.870	9.297	9.341	9.139	9.107	9.125	9.058	8.891	9.040	
1440990	at	Kir26b	BB012037	Mm.138659			1	7.029	8.606	6.543	7.162	8.169	7.160	7.072	7.691	9.467	8.772	7.211	8.221	8.784	8.535	7.544	6.471	7.348	7.129	7.177	6.798	7.279	7.410	6.956	6.591	
1440991	at	Plekha1	BB084121	Mm.150831			10	6.793	6.860	6.763	6.752	6.834	6.548	6.543	7.182	6.759	6.641	6.641	7.023	6.797	7.123	6.735	6.671	6.731	6.803	6.815	6.784	6.764	6.764	6.918	6.801	6.582
1440992	at	3110052M02Rik	AV276161	Mm.296733			17	7.729	5.884	5.823	5.823	6.057	5.928	5.895	5.845	6.117	6.090	5.506	6.112	6.092	5.853	5.959	5.736	6.015	5.876	5.983	5.885	5.776	5.788	5.807	5.769	
1440993	at	AW111846	BB263631	Mm.36341			8	8.468	8.283	8.544	8.519	8.690	8.781	8.611	8.310	8.418	8.431	8.361	8.543	8.709	8.496	8.607	8.624	8.471	8.732	8.881	8.700	8.510	8.703	8.479	8.451	
1440994	at	NA	BB003227	NA	NA	NA	7	4.930	4.906	4.999	4.767	5.126	5.033	4.991	4.896	4.916	5.066	4.936	4.888	5.013	5.031	4.976	5.224	5.060	5.107	4.972	5.144	5.012	4.894	4.929	4.950	
1440996	at	NA	AV237452	NA	NA	NA	5	5.851	6.067	5.840	6.024	6.037	6.060	5.959	5.795	6.000	5.828	5.834	5.778	5.982	5.899	5.862	6.013	5.854	5.796	5.796	6.106	5.819	5.612	6.088	5.920	
1440997	at	Tnrc6c	AV236734	Mm.40272			11	5.946	5.922	5.872	5.966	5.914	6.011	6.094	6.058	6.230	6.028	6.007	5.808	5.835	6.018	6.104	5.942	5.832	5.720	6.057	5.965	5.968	5.895	6.021	6.016	
1440998	at	Zf10021P13Rik	BB187430	Mm.275082			14	8.173	8.106	8.196	8.367	8.213	8.323	8.137	7.918	8.159	8.180	8.292	8.140	8.250	8.314	8.192	8.332	8.037	7.962	8.188	8.260	8.007	7.829	8.288	8.357	
1440999	at	Zfp697	BB560193	Mm.358911			3	8.715	10.111	7.415	6.920	8.100	8.337	8.225	8.693	8.354	8.243	9.569	10.035	10.175	7.852	7.934	7.378	6.550	7.664	7						

1441048	at	5930430L01Rik	BB037822	Mm.33303	5	5.136	4.895	5.088	4.859	5.035	5.043	5.184	4.820	4.962	4.866	5.120	5.069	5.176	5.098	4.921	5.137	5.619	4.846	5.106	5.300	4.945	4.937	4.826	4.715
1441049	at	Kcna6	AV328356	Mm.62535	6	7.283	6.992	7.089	7.158	7.110	7.072	7.046	7.206	7.069	6.959	7.139	7.033	7.121	7.003	7.121	7.174	7.145	7.074	7.018	7.228	7.270	7.136	7.136	7.094
1441050	at	NA	BB235490	NA	NA	7.055	6.730	7.043	6.890	6.666	6.915	6.999	7.174	6.000	5.903	6.488	6.948	6.904	6.874	6.316	7.150	6.301	6.253	6.409	6.229	6.325	6.328	6.397	6.264
1441051	at	Trim27	BB401251	Mm.314056	13	6.292	6.215	6.408	6.362	6.071	6.280	6.392	6.486	6.329	6.094	6.169	6.205	6.483	6.295	6.302	6.287	6.170	6.194	6.455	6.445	6.214	6.246	6.338	6.208
1441052	at	NA	BB525642	NA	NA	6.734	7.111	7.076	6.747	6.945	6.802	7.118	7.008	7.193	7.251	6.905	7.267	7.378	7.319	6.878	6.983	6.718	6.932	6.689	6.718	6.952	6.738	6.675	
1441053	at	NA	BM942426	NA	NA	6.588	6.095	6.512	6.299	6.352	6.282	6.305	6.377	6.511	6.423	6.213	6.252	6.360	6.342	6.321	6.432	6.657	6.343	6.359	6.421	6.480	6.411	6.417	
1441054	at	Appo8	BB312717	Mm.125650	15	4.895	4.724	4.776	4.852	4.636	4.753	4.819	4.874	4.582	4.600	4.845	4.607	4.710	4.638	4.713	4.552	4.774	4.599	4.809	4.711	4.795	4.670	4.824	4.783
1441055	at	Paln2	BB431157	Mm.331390	4	7.860	8.100	7.785	7.765	7.324	7.323	8.083	8.156	7.360	7.298	7.274	7.886	7.850	8.318	7.312	7.866	7.992	7.858	7.038	7.212	7.632	7.721	7.410	7.921
1441056	at	Uso3	BM206593	Mm.38976	9	7.283	7.267	7.347	7.343	7.340	7.329	7.200	7.006	7.097	7.196	6.984	7.387	7.320	7.061	6.983	7.276	7.560	7.311	7.251	7.278	7.286	7.575	7.208	7.033
1441057	at	Mvh10	BB291766	Mm.218233	11	6.601	6.175	6.392	6.033	6.102	6.346	6.447	6.345	6.102	6.339	6.702	5.901	6.249	6.067	6.304	6.536	6.190	6.224	6.219	6.544	6.054	6.004	6.380	6.192
1441058	at	Ittkb	BB341111	Mm.132535	1	8.847	8.419	8.759	8.937	8.785	9.043	8.938	9.013	8.280	8.450	8.893	8.693	8.386	8.335	8.682	8.746	8.781	9.166	8.714	8.871	8.825	8.934	8.792	8.463
1441059	at	1700049G17Rik	BB705620	Mm.379224	7	4.643	4.531	4.712	4.496	4.619	4.641	4.605	4.500	4.706	5.021	4.570	4.615	4.739	4.641	4.515	4.515	4.620	4.831	4.731	4.700	4.551	4.673	4.319	4.619
1441060	at	2900052L18Rik	BG072416	Mm.459017	11	7.917	7.514	7.627	7.842	7.763	7.716	7.697	7.772	7.816	7.810	7.787	7.714	7.771	7.762	7.922	7.746	7.862	7.769	7.813	7.896	7.715	7.699	7.796	7.842
1441061	at	NA	BG072567	NA	NA	6.753	6.784	6.986	7.022	6.910	6.832	6.865	6.938	6.989	6.823	7.063	6.926	7.046	7.012	6.961	6.920	6.904	6.800	6.841	6.967	6.834	6.825	6.899	6.885
1441062	at	Ddx11	BB133021	Mm.259605	17	4.869	5.099	4.960	5.062	4.899	4.938	5.013	5.209	5.181	4.785	5.071	4.954	4.870	5.008	5.026	4.967	5.008	5.113	5.015	4.977	4.746	5.184	4.693	4.716
1441063	at	Eif2c3	BB229155	Mm.208174	4	7.405	7.472	7.185	7.413	7.269	7.372	7.518	7.390	7.509	7.325	7.168	7.385	7.454	7.394	7.225	7.350	7.340	7.359	7.320	7.270	7.407	7.329	7.333	7.336
1441064	at	Pcnx12	BF467171	Mm.145535	8	5.764	5.450	5.650	5.615	5.573	5.351	5.449	5.641	5.429	5.360	5.508	5.413	5.534	5.440	5.403	5.555	5.589	5.293	5.374	5.475	5.531	5.590	5.770	5.538
1441065	at	Shc3	BB305753	Mm.313870	13	6.600	6.392	6.546	6.663	6.632	6.523	6.585	6.647	6.410	6.148	6.466	6.211	6.642	6.377	6.510	6.399	6.705	6.501	6.368	6.465	6.392	6.385	6.467	6.406
1441066	at	NA	AW122064	NA	NA	4.369	4.088	4.095	3.941	4.238	4.190	4.461	4.104	4.224	4.243	4.486	4.042	4.324	4.155	4.402	4.414	4.245	4.358	4.387	4.354	4.280	4.134	4.315	4.178
1441067	at	NA	AW489362	NA	NA	6.392	6.358	6.598	6.392	6.296	6.463	6.397	6.418	6.345	6.330	6.380	6.359	6.409	6.406	6.444	6.432	6.441	6.429	6.566	6.765	6.488	6.257	6.497	6.639
1441068	at	A130001G05Rik	BB631473	Mm.437948	2	7.616	8.063	7.510	7.691	8.074	7.651	7.689	7.925	8.450	8.336	7.808	8.086	8.184	7.967	7.696	7.601	7.434	7.358	7.509	7.547	7.805	7.365	7.431	
1441069	at	Zdhch23	BG069079	Mm.327852	16	7.503	7.596	7.469	7.353	7.396	7.388	7.338	7.386	7.613	7.445	7.428	7.405	7.486	7.523	7.332	7.227	7.330	7.390	7.169	7.257	7.201	7.252	7.458	7.184
1441070	at	NA	BB660130	NA	NA	7.223	7.054	7.211	7.324	7.176	7.209	7.350	7.191	7.072	6.967	7.129	7.142	6.983	7.179	7.139	7.288	7.181	7.170	7.245	7.315	7.247	7.164	7.273	7.285
1441071	at	Kcnd5	BB181225	Mm.336519	1	6.262	6.030	6.448	6.210	6.077	6.343	6.382	6.126	6.413	6.091	6.320	5.987	6.154	6.137	6.144	6.364	5.910	6.251	6.126	6.531	6.179	6.101	6.153	6.270
1441072	at	NA	BB353142	NA	NA	9.156	9.056	9.300	9.213	9.267	9.393	9.279	8.970	8.949	9.086	8.849	9.103	9.126	8.933	9.229	9.207	9.129	8.953	8.958	9.139	9.203	9.064	9.222	9.140
1441073	at	NA	BG072147	NA	NA	5.800	5.432	5.732	5.455	5.668	5.412	5.847	5.727	5.581	5.500	5.488	5.478	5.467	5.545	5.516	5.580	5.522	5.725	5.551	5.627	5.544	5.577	5.583	5.568
1441074	at	NA	AW509152	NA	NA	5.505	5.398	5.512	5.565	5.604	5.585	5.521	5.462	5.725	5.633	5.595	5.584	5.586	5.583	5.584	5.798	5.553	5.584	5.568	5.554	5.567	5.565	5.788	
1441075	at	Nostrin	AW541389	Mm.90047	2	5.167	5.199	5.897	7.770	5.997	5.947	7.994	5.719	5.686	5.719	5.748	6.014	7.922	6.688	7.948	7.688	7.942	7.687	7.942	7.687	7.942	7.687	7.942	7.687
1441076	at	Mwv17	BM939297	Mm.435472	5	7.461	6.952	7.382	6.995	7.227	6.982	7.020	7.195	7.119	7.201	7.154	6.874	6.970	7.096	7.031	7.313	7.284	7.060	7.285	7.217	7.293	7.190	7.396	7.287
1441077	at	AW148487	AW494980	Mm.384223	19	8.023	7.915	7.865	7.950	7.934	7.853	7.879	8.024	7.867	7.791	7.930	7.804	7.924	7.987	7.897	7.921	7.970	7.925	8.028	8.044	8.041	7.870	7.942	7.883
1441078	at	1700023F02Rik	AV205046	Mm.23366	10	6.225	5.582	6.019	6.266	5.884	6.215	6.159	6.040	5.931	5.635	5.837	5.706	5.984	5.951	5.722	5.916	5.851	6.191	6.149	6.107	6.052	6.024	5.915	5.738
1441079	at	Mbd4	BE852447	Mm.259308	6	4.154	4.435	4.205	4.126	4.428	4.245	4.275	4.296	4.445	4.373	4.310	4.143	4.353	4.442	4.227	4.165	4.212	4.154	4.312	4.101	4.341	4.192	4.093	4.098
1441080	at	NA	BE947082	NA	NA	6.329	5.954	6.274	6.220	6.122	6.069	6.318	6.142	6.073	6.125	6.334	5.886	6.131	6.232	6.315	6.034	6.102	6.079	6.274	6.281	6.164	5.964	6.322	6.163
1441081	a at	1110038B12Rik	BE133150	Mm.28895	17	7.391	8.515	6.936	7.078	7.769	7.354	7.040	7.500	6.638	8.362	6.056	6.058	7.942	7.982	7.774	6.934	7.120	7.141	7.142	6.695	7.203	7.171	7.104	6.841
1441082	at	NA	BG274767	Mm.228737	16	6.774	6.543	6.592	6.594	6.820	6.829	6.415	6.555	6.845	6.371	6.331	6.824	6.309	6.647	6.375	6.847	6.378	6.847	6.378	6.847	6.378	6.847	6.378	6.847
1441083	at	Clpmt1	BB799287	Mm.290960	7	5.559	5.452	5.561	5.828	5.889	5.529	5.436	5.388	5.303	5.793	5.426	5.622	5.506	5.052	5.666	5.132	5.613	5.569	5.605	5.535	6.041	5.869	5.520	5.858
1441084	at	Cacna2d4	BE686333	Mm.440773	6	6.336	6.066	6.479	6.326	6.293	6.321	6.246	6.343	6.254	6.241	6.221	6.184	6.329	6.284	6.364	6.251	5.988	6.265	6.411	6.410	6.473	6.365	6.383	6.293
1441085	at	Rora	AW494655	Mm.378450	9	7.023	6.798	7.184	7.178	7.102	7.222	7.129	6.949	7.008	7.115	7.030	7.041	7.138	7.067	7.268	7.120	7.057	7.115	7.188	7.433	7.052	7.000	7.156	7.000
1441086	at	4930405111Rik	AI596589	Mm.107753	7	6.753	6.498	6.791	6.738	6.552	6.442	6.628	6.728	6.512	6.664	6.629	6.548	6.469	6.722	6.608	6.680	6.657	6.590	6.586	6.641	6.631	6.550	6.724	6.625
1441087	at	281001119Rik	BB311645	Mm.158311	12	5.562	5.422	5.288	5.767	5.539	5.309	5.379	5.783	5.666	5.485	5.750	5.241	5.670	5.828	5.511	5.562	5.543	5.438	5.408	5.531	5.663	5.633	5.676	5.593
1441088	at	Ikzf3	BB202216	Mm.133367	11	7.174	6.691	6.959	6.865	6.906	6.827	7.163	6.892	6.642	6.693	6.937	6.760	6.845	6.707	6.951	7.026	7.067	7.193	6.929	6.985	7.006	6.920	6.936	6.980
1441089	at	E																											

1441137	at	Bicc1	AV260198	Mm.286834	10	8.526	9.486	8.808	9.007	9.545	9.281	9.048	8.862	9.686	9.758	8.689	9.642	9.635	9.726	9.453	8.845	8.431	8.557	8.952	8.393	8.329	8.481	8.459	8.339	
1441138	at	Foxn2	AV295454	Mm.112824	17	5.264	5.533	5.040	5.264	5.327	5.434	5.435	5.158	5.319	5.707	5.274	5.522	5.352	5.250	5.525	5.226	5.218	5.328	5.436	5.556	5.345	5.227	5.668	5.193	
1441139	at	ENSMUSG000000	BB321858	Mm.188154	13	11.134	10.701	11.252	11.218	10.561	11.205	11.292	10.584	9.782	10.486	10.105	10.389	10.376	10.183	10.651	11.290	10.939	11.063	11.118	11.128	11.089	11.662	11.219	11.501	
1441140	at	NA	BB466029	NA	NA	7.129	6.998	7.186	7.423	7.302	7.309	7.151	7.338	7.234	7.347	6.965	7.532	7.482	7.384	7.267	7.228	7.692	7.631	7.288	7.492	7.432	7.687	7.189	7.145	
1441141	at	Ann1	BB000886	Mm.209147	6	6.062	6.596	6.255	6.171	6.250	6.032	6.144	6.182	6.484	6.864	5.840	6.282	6.381	6.212	6.082	6.174	5.989	6.181	6.118	5.948	6.049	6.598	5.748	6.170	
1441142	at	2700081L22Rik	BE944587	Mm.391869	4	5.032	5.124	5.525	5.384	5.420	5.295	5.155	5.185	5.304	5.392	5.282	5.421	5.565	5.355	5.232	5.145	5.382	5.410	5.556	5.232	5.495	5.282	5.577	5.255	
1441143	at	E130309D14Rik	BE946371	Mm.274369	11	7.880	7.735	7.767	7.892	7.684	7.773	7.797	7.971	7.846	7.613	7.848	7.798	7.767	7.789	7.662	7.807	7.875	7.801	7.803	7.737	7.938	7.976	7.853	7.653	
1441144	at	Arr3	BE984325	Mm.95518	X	8.416	7.986	8.340	8.334	8.146	8.226	8.219	8.177	8.185	8.151	8.221	8.105	8.307	8.258	8.167	8.265	8.386	8.260	8.200	8.330	8.259	8.090	8.407	8.007	
1441145	at	Phf21a	BB448266	Mm.330408	2	6.914	6.929	6.892	7.166	7.214	7.202	6.804	7.155	7.252	7.447	6.681	7.428	7.539	7.130	7.296	7.181	7.277	7.197	7.225	7.261	7.205	7.203	6.911	7.013	
1441146	at	C76132	C76358	NA	1	6.709	6.500	6.643	6.629	6.604	6.927	6.731	6.619	6.573	6.415	6.816	6.531	6.773	6.686	6.661	6.884	6.629	6.764	6.771	6.892	6.672	6.637	6.681	6.896	
1441147	at	D3ErtD29e	C79038	NA	3	5.461	5.237	5.350	5.371	5.378	5.376	5.344	5.361	5.304	5.531	5.493	5.441	5.418	5.471	5.499	5.366	5.599	5.466	5.500	5.671	5.334	5.264	5.365	5.303	
1441148	at	NA	BM119405	NA	NA	7.832	7.452	7.862	7.755	7.657	7.796	7.746	7.716	7.413	7.347	7.612	7.757	7.564	7.682	7.656	7.837	8.060	7.689	7.872	7.774	7.816	7.936	7.763	7.670	
1441149	at	NA	BC071610	NA	NA	5.100	4.835	4.733	5.027	4.837	4.863	4.758	4.778	4.889	4.690	4.854	4.725	4.725	4.890	4.994	4.917	4.814	4.824	4.917	5.103	4.410	4.811	4.771	4.955	
1441150	x	at	100039339	BB821955	NA	7	9.858	9.048	9.664	9.296	9.149	9.355	9.227	9.145	9.121	9.303	9.489	8.882	8.834	9.305	9.353	9.732	8.506	8.832	8.961	8.778	8.812	8.790	7.766	9.605
1441151	at	AU044157	BC071797	Mm.440966	4	7.688	7.246	7.549	7.673	7.494	7.386	7.709	7.765	7.550	7.363	7.603	7.626	7.735	7.515	7.509	7.502	7.431	7.406	7.583	7.690	7.586	7.534	7.576	7.619	
1441152	at	NA	BC031998	NA	NA	6.358	6.499	6.408	6.450	6.302	6.404	6.466	6.332	6.524	6.600	6.105	6.403	6.467	6.574	6.315	6.267	6.241	6.393	6.341	6.045	6.287	6.587	6.624	6.379	
1441153	at	NA	AW541437	NA	NA	8.410	8.327	8.420	8.159	8.196	8.240	8.367	8.444	8.157	8.575	8.173	8.408	8.525	8.195	8.648	8.414	8.447	8.414	8.164	8.250	8.309	8.494	8.351	8.377	
1441154	at	NA	BC071776	NA	NA	5.776	5.519	5.745	5.777	5.661	5.914	5.585	5.567	5.599	5.630	5.859	5.950	5.794	5.728	5.618	5.805	5.709	5.595	5.774	5.707	5.846	5.205	5.855	5.799	
1441155	at	NA	BB168446	NA	NA	7.161	7.461	7.624	7.553	7.609	7.716	7.715	6.818	7.414	7.504	7.426	7.522	7.417	7.527	7.540	7.647	7.049	7.480	7.495	7.464	7.748	7.104	7.850	7.407	
1441156	at	C00s3	AU024383	Mm.40	11	5.948	5.766	6.038	5.877	5.908	5.718	6.131	6.051	5.820	5.770	5.987	5.989	5.946	5.748	5.852	5.994	6.062	5.754	6.126	5.997	6.085	5.957	5.774	5.989	
1441157	at	NA	BB380266	Mm.354428	NA	9.137	8.797	9.880	9.112	8.929	8.874	9.006	8.895	8.999	8.987	9.031	8.778	9.013	9.017	8.971	8.933	8.883	9.025	8.992	9.203	8.985	8.826	9.024	9.019	
1441158	at	NA	BB707145	NA	NA	6.348	6.286	6.683	6.454	6.523	6.505	6.547	6.474	6.535	6.532	6.569	6.381	6.696	6.643	6.726	6.387	6.495	6.586	6.520	6.784	6.502	6.537	6.487	6.381	
1441159	at	Med12l	BB726231	Mm.228086	3	5.998	5.917	6.123	6.038	5.955	6.008	6.091	5.976	5.874	5.820	6.139	5.967	5.895	5.852	6.129	6.113	6.140	6.068	6.069	6.176	6.116	5.852	6.039	6.144	
1441160	at	D330050G23Rik	BB480783	Mm.132509	2	5.415	5.077	5.333	5.371	5.327	5.203	5.285	5.403	5.240	5.373	5.351	5.314	5.265	5.205	5.383	5.370	5.361	5.385	5.576	5.256	5.260	5.450	5.327	5.285	
1441161	at	B230216G23Rik	BB307791	Mm.39649	6	4.737	4.868	4.677	4.512	4.909	4.614	4.669	4.570	4.750	4.886	4.867	4.711	4.857	4.723	4.781	4.464	4.522	4.659	4.461	4.518	4.585	4.754	4.685	4.511	
1441162	at	Rock1	BM249258	Mm.6710	18	5.144	5.208	5.415	5.371	5.415	5.647	5.081	5.114	5.142	5.276	4.665	5.543	5.351	5.281	5.585	5.425	5.549	4.303	5.172	5.210	5.442	5.654	5.339	5.238	
1441163	at	Med12l	BM228086	NA	3	4.596	4.681	4.578	4.578	4.578	4.578	4.578	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	
1441164	at	NA	BC071964	NA	NA	7.539	7.377	7.795	7.935	7.830	7.823	7.903	7.922	7.875	7.992	7.875	7.903	7.922	7.875	7.903	7.922	7.875	7.903	7.922	7.875	7.903	7.922	7.875	7.903	
1441165	s	at	C1sn2	A1448973	Mm.440903	9	5.169	5.014	4.917	5.052	5.242	5.309	5.209	5.191	4.999	5.071	5.251	5.001	5.209	5.088	5.334	5.084	5.199	4.997	5.097	5.124	5.241	5.142	5.043	5.096
1441166	at	AV330050F15Rik	AW123460	Mm.444187	17	8.029	7.833	8.245	8.079	8.131	8.057	8.016	7.850	8.089	7.920	8.252	8.183	8.077	8.035	8.140	8.019	7.938	7.940	8.051	8.188	8.080	8.016	7.989	8.062	
1441167	at	NA	BE953675	NA	NA	4.706	4.540	4.520	4.451	4.301	4.386	4.624	4.412	4.360	4.315	4.717	4.396	4.716	4.305	4.553	4.525	4.688	4.307	4.309	4.426	4.817	4.651	4.588	4.735	
1441168	at	NA	BC071836	NA	NA	4.533	4.307	4.312	4.346	4.245	4.242	4.415	4.537	4.369	4.480	4.440	4.159	4.275	4.511	4.484	4.427	4.318	4.361	4.413	4.316	4.321	4.480	4.509	4.471	
1441169	at	NA	BE950996	NA	NA	5.646	5.476	5.595	5.546	5.409	5.560	5.877	5.561	5.441	5.369	5.748	5.407	5.499	5.364	5.668	5.687	5.566	5.569	5.687	5.977	5.731	5.673	5.591	5.805	
1441170	a	at	Dab2lp	BB531641	Mm.29629	2	8.335	8.863	8.079	8.369	8.613	8.112	8.274	3.966	9.045	8.578	8.679	9.170	8.829	8.569	8.532	8.270	9.231	8.596	8.109	8.361	9.134	9.204	8.311	8.280
1441171	at	Phf1614	BM467374	Mm.297784	18	6.918	6.263	6.328	6.376	6.398	6.104	6.243	6.254	6.820	6.297	6.325	6.244	6.245	6.223	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	6.235	
1441172	at	NA	BM239026	NA	NA	6.126	5.864	6.141	5.921	6.107	6.278	6.097	5.976	5.750	5.907	5.944	5.816	5.942	5.861	5.986	6.126	6.082	6.092	6.022	6.188	5.980	5.815	5.922	5.886	
1441173	at	4930415G09Rik	AV352442	Mm.374835	16	6.474	6.200	6.467	6.461	6.259	6.477	6.486	6.421	6.249	6.156	6.273	6.339	6.399	6.243	6.448	6.114	6.527	6.574	6.426	6.569	6.639	6.734	6.634	6.428	
1441174	a	at	Lmln	BB182358	Mm.131951	16	5.305	5.738	5.342	5.469	5.731	5.541	5.463	5.692	5.480	5.443	5.300	5.841	5.374	5.160	5.407	5.293	5.812	5.735	5.508	5.727	5.673	6.112	5.368	5.267
1441175	at	Arx	BB069848	Mm.275547	X	7.933	7.654	7.954	8.041	7.912	7.804	7.865	8.075	7.953	7.840	8.000	7.860	7.962	7.881	7.834	7.939	7.898	7.826	7.813	7.898	7.841	7.885	7.798	7.935	
1441176	at	NA	BC068999	NA	NA	4.559	4.595	4.456	4.709	4.436	4.711	4.511	4.536	4.434	4.498	4.625	4.672	4.661	4.480	4.581	4.565	4.526	4.444	4.257	4.534	4.563	4.625	4.486	4.783	
1441177	at	NA	AW552076	NA	NA	6.414	6.494	6.287	5.900	6.304	6.376	6.113	6.143	6.284	6.294	6.138	6.056	6.131	6.212	6.072	6.094	6.161	6.019	6.276	6.146	6.008	6.070	6.476	6.289	
1441178	at	Wd																												

1441226	at	Spon1	AI503604	Mm.334160	7	7.255	7.001	7.108	7.191	7.078	7.157	7.070	7.177	7.173	7.163	7.312	7.291	7.287	7.365	7.078	7.263	7.145	7.056	7.234	7.395	7.168	7.082	7.374	7.308	
1441227	at	NA	BB072955	NA	NA	7.191	7.109	7.398	7.434	7.387	7.416	7.465	7.481	7.171	7.158	7.369	7.511	7.351	7.257	7.184	7.483	7.554	7.580	7.409	7.579	7.419	7.499	7.518	7.501	
1441228	at	Apod1	BM123813	Mm.296104	6	10.604	10.509	9.929	9.219	9.928	9.313	9.793	9.634	9.452	9.707	10.711	9.231	9.516	9.646	9.483	9.944	8.417	8.834	8.715	8.711	8.590	9.022	9.395	10.086	
1441229	at	D2230019N24RIK	BB468551	Mm.406263	10	7.964	7.914	7.975	7.851	7.968	7.946	7.970	7.579	7.630	7.611	7.564	7.601	7.338	7.459	7.803	7.990	7.595	7.658	7.299	7.267	7.765	7.977	7.760	7.386	
1441230	at	NA	BB471303	NA	NA	8.738	8.652	8.722	8.558	9.066	8.790	8.535	8.400	8.685	8.906	8.514	8.781	8.842	8.582	8.523	8.781	8.493	8.443	8.130	8.358	8.384	8.573	8.699	8.575	
1441231	at	100042016	BB233994	Mm.425674	11	8.259	8.244	5.475	5.255	5.390	5.633	5.472	5.175	4.989	5.552	5.726	5.283	5.228	5.934	5.395	5.665	5.382	5.420	5.598	5.087	5.407	5.514	5.590	5.389	
1441232	at	NA	BE957315	NA	NA	7.660	7.457	7.806	7.642	7.551	7.704	7.665	7.686	7.584	7.459	7.597	7.478	7.606	7.626	7.625	7.471	7.637	7.551	7.520	7.636	7.618	7.686	7.562	7.669	
1441233	at	NA	BM240795	NA	NA	6.792	7.038	6.771	6.736	6.976	6.682	6.284	7.097	7.226	7.120	6.851	7.128	7.230	6.865	6.814	6.744	7.220	6.806	6.478	6.536	6.960	7.347	6.639	6.584	
1441234	at	Rrp7a	BE985476	Mm.473269	15	5.870	5.747	5.584	5.835	5.576	5.886	5.784	5.822	5.864	5.905	5.858	5.847	5.839	5.756	5.666	5.847	5.626	5.846	5.815	5.825	5.831	5.691	5.638	5.775	
1441235	at	NA	BM948272	Mm.267812	8	7.288	7.054	7.383	7.287	7.124	7.245	7.347	7.353	6.965	7.091	7.202	7.099	7.045	7.252	7.195	7.227	7.198	7.249	7.380	7.411	7.249	7.011	7.369	7.458	
1441236	at	Slc9a3	AV373598	Mm.261564	13	5.968	6.012	5.746	5.841	5.922	5.889	5.843	5.948	5.777	5.636	5.858	5.759	5.704	5.873	5.722	5.678	5.851	5.783	5.972	5.834	5.779	5.642	5.887	5.819	
1441237	at	DSERtd163se	BG063760	NA	5	6.683	6.590	6.513	6.610	6.644	6.624	6.672	6.596	6.789	6.843	6.595	6.566	6.683	6.894	6.610	6.617	6.632	6.575	6.631	6.710	6.791	6.609	6.880	6.657	
1441238	at	Pds5a	BG074304	Mm.278974	5	7.283	7.092	7.277	7.147	7.102	7.143	7.220	6.999	7.020	7.513	7.369	7.197	7.106	7.243	7.066	7.208	6.990	7.059	7.232	7.121	7.13	7.073	7.380	7.297	
1441239	at	Kctd18	BB067600	Mm.339711	1	7.691	7.627	7.789	7.874	7.707	7.856	7.796	7.757	7.841	7.838	7.707	7.860	7.839	7.802	7.759	7.850	7.930	7.845	7.948	7.903	7.768	7.939	7.971	7.723	
1441240	at	NA	BG069759	NA	NA	4.353	4.556	4.562	4.597	4.566	4.616	4.694	4.686	4.547	4.546	4.561	4.411	4.573	4.475	4.523	4.320	4.563	4.626	4.593	4.733	4.621	4.632	4.687	4.500	
1441241	at	9630013D21RIK	BB126309	Mm.119546	4	4.683	4.529	4.518	4.455	4.545	4.696	4.563	4.738	4.625	4.548	4.468	4.375	4.561	4.587	4.926	4.695	4.584	4.745	4.705	4.785	4.567	4.519	4.491	4.499	
1441242	at	NA	BB229546	NA	NA	6.953	6.467	6.823	7.058	6.771	6.778	6.940	7.107	6.884	6.522	7.018	6.811	7.090	6.900	6.905	6.975	6.982	6.919	6.918	6.987	6.933	6.895	6.938	7.058	
1441243	at	NA	BM251084	NA	NA	6.533	6.967	6.696	6.923	7.087	6.970	6.827	6.731	7.047	6.843	7.087	6.968	6.898	6.908	7.060	7.140	6.900	6.801	6.753	6.735	6.880	6.648	6.716	6.554	
1441244	at	NA	BE956466	NA	NA	7.660	7.195	7.595	7.737	7.347	7.580	7.570	7.665	7.608	7.341	7.658	7.382	7.549	7.540	7.448	7.522	7.519	7.358	7.494	7.545	7.616	7.560	7.710	7.472	
1441245	a at	Znf512b	BB000657	Mm.396888	2	7.446	7.085	7.481	7.405	7.481	7.295	7.463	7.581	7.397	7.243	7.460	7.291	7.461	7.442	7.443	7.454	7.473	7.364	7.607	7.484	7.356	7.398	7.536	7.377	
1441246	s at	Dvys15	BB381260	Mm.27732	5	6.258	6.026	6.272	6.394	6.249	6.084	6.320	6.314	6.100	5.893	6.270	5.967	6.200	6.337	6.278	6.236	6.170	6.219	6.270	6.428	6.312	6.103	6.274	6.247	
1441247	at	NA	BE952586	NA	NA	6.789	6.917	6.949	7.028	6.852	6.759	7.066	6.946	6.999	7.154	7.097	6.904	6.735	6.943	7.054	7.042	6.846	6.948	6.935	7.033	7.029	6.840	6.740	6.787	
1441248	at	Clcn3	BB328803	Mm.25263	8	7.986	7.909	8.159	8.070	7.758	8.215	8.093	8.034	7.794	8.151	7.726	8.108	8.159	8.121	8.018	8.039	8.117	8.091	8.119	8.167	8.100	8.326	8.200	8.067	
1441249	at	4930403D09RIK	AV259068	Mm.436798	11	6.039	5.890	6.296	6.171	6.206	6.158	6.352	6.159	6.257	5.905	6.210	5.921	6.133	6.192	6.130	6.230	6.264	6.205	6.306	6.741	6.236	6.045	6.252	6.165	
1441250	at	NA	AV277090	NA	NA	5.113	4.931	5.241	4.989	4.466	4.980	5.111	4.874	5.003	5.103	5.047	4.979	4.919	5.113	5.054	5.288	5.266	5.100	5.270	5.222	4.914	4.983	5.046	5.135	
1441251	a at	Z010001A14RIK	AI427073	Mm.28485	11	6.627	6.629	6.399	6.731	6.462	6.666	6.611	6.653	6.760	6.592	6.620	6.587	6.760	6.665	6.532	6.572	6.634	6.626	6.495	6.728	6.463	6.592	6.753	6.394	
1441252	at	Z010001A14RIK	BE947427	Mm.28485	11	6.627	6.629	6.399	6.731	6.462	6.666	6.611	6.653	6.760	6.592	6.620	6.587	6.760	6.665	6.532	6.572	6.634	6.626	6.495	6.728	6.463	6.592	6.753	6.394	
1441253	at	NA	BB474427	NA	NA	7.884	7.899	7.777	7.795	7.939	7.932	7.966	7.932	7.108	7.605	8.255	7.989	7.949	8.167	7.957	8.004	7.938	7.924	7.876	7.876	7.743	7.935	7.924	7.924	
1441254	at	Pdr3b	BM932536	Mm.35153	1	8.553	8.339	8.503	8.485	8.738	8.575	8.423	8.733	8.371	8.405	8.611	8.783	8.730	8.457	8.635	8.601	8.726	8.593	8.563	8.677	8.676	9.080	8.725	8.587	
1441255	at	Cdh3	BB035958	Mm.4658	8	5.442	5.287	5.333	5.418	5.463	5.379	5.445	5.270	5.332	5.418	5.495	5.532	5.392	5.494	5.525	5.402	5.722	5.287	5.625	5.450	5.578	5.479	5.401	5.401	
1441256	at	NA	BB304800	NA	NA	4.977	4.762	4.954	5.061	4.825	4.897	4.862	4.966	4.889	4.682	4.816	5.108	4.889	4.902	4.783	4.878	4.771	4.844	5.082	5.046	4.776	4.834	5.054	4.832	
1441257	x at	NA	BB304800	NA	NA	4.726	4.579	4.834	5.021	5.017	4.951	5.095	4.761	5.081	4.621	4.689	4.978	4.945	4.898	4.840	4.829	4.741	4.755	4.969	4.928	5.076	4.933	4.898	4.801	
1441258	at	AF529169	BB316516	Mm.242899	9	4.002	3.883	4.012	4.034	3.894	3.868	4.101	4.101	4.044	3.830	4.119	3.856	4.007	3.900	4.019	3.988	3.986	3.986	3.928	4.137	4.154	4.071	3.902	3.979	3.897
1441259	s at	Hf122	C86139	Mm.333335	6	8.237	8.814	7.763	8.308	9.256	8.715	8.760	10.270	10.094	9.464	10.425	9.807	9.759	9.926	9.496	8.909	8.641	8.687	8.317	8.613	8.580	8.842	8.455	8.080	
1441260	at	NA	BB770039	NA	NA	5.812	5.682	5.262	5.395	5.890	5.507	5.592	5.577	5.701	5.560	5.655	5.291	5.641	5.542	5.497	5.773	5.597	5.778	5.636	5.924	5.898	5.924	5.968	5.924	
1441261	at	LOC100047782	BE947089	NA	7	7.122	6.892	7.019	7.064	6.823	6.938	7.207	7.086	7.117	6.917	7.107	6.778	7.056	6.826	7.010	6.977	7.184	6.953	7.112	7.297	7.140	7.003	7.072	7.075	
1441262	at	NA	BB251396	NA	NA	8.158	7.685	7.913	7.496	7.717	7.665	7.676	7.202	6.938	7.173	7.148	7.146	6.840	6.752	7.177	7.705	7.506	7.583	7.139	7.389	7.699	7.994	8.002	8.031	
1441263	a at	A930005H10RIK	AV009179	Mm.392043	3	8.503	8.214	9.005	8.767	9.309	8.840	8.879	9.151	9.320	9.221	8.962	8.994	8.577	8.701	9.240	8.823	8.993	9.323	8.906	8.966	9.697	9.605	9.034	8.892	
1441264	x at	A930005H10RIK	AV009179	Mm.392043	3	7.878	7.632	7.957	7.973	8.241	7.939	7.999	8.222	8.223	8.113	8.064	8.150	7.814	7.931	8.262	7.724	8.477	8.095	8.045	8.068	8.624	8.517	8.132	8.101	
1441265	at	NA	BM199558	NA	NA	8.017	7.759	7.971	8.006	7.754	7.874	7.870	7.641	7.500	7.500	7.442	7.498	7.370	7.350	7.190	7.301	7.901	7.936	7.522	7.606	7.624	7.754	7.869	7.818	
1441266	at	Strn3	BM238307	Mm.65979	12	9.095	8.723	9.053	8.898	8.898	8.725	9.197	9.119	8.517	8.639	9.045	8.754	8.744	8.894	8.880	9.158	9.281	8.595	8.694	8.932	8.894	8.589	8.917	9.118	9.243
1441267	at	NA</																												

1441315	s	at	Slc19a2	BB449198	Mm.35444	1	7.041	7.509	7.454	7.326	7.557	7.644	7.532	7.555	7.672	7.462	7.771	7.722	7.406	7.409	7.472	7.643	7.737	7.698	7.713	7.668	7.566	7.583	7.745	7.541
1441316	at		Wnt8b	BB234335	Mm.88365	19	6.627	6.076	6.438	7.033	6.494	6.308	6.480	6.200	6.178	6.067	6.455	6.021	6.235	6.434	6.238	6.389	6.452	6.372	6.293	6.789	6.615	6.395	6.681	6.601
1441317	x	at	Jakm1p	BB316060	Mm.228812	5	6.505	6.230	6.007	6.101	5.894	5.915	6.155	6.573	6.551	6.267	6.139	6.380	6.223	6.205	6.018	5.974	6.684	6.322	5.911	6.089	6.688	6.327	5.860	5.939
1441318	at		Jam1a	BB312171	Mm.404761	6	6.064	6.162	6.337	6.221	6.363	6.373	6.279	6.264	6.284	6.245	6.312	6.168	6.005	6.254	6.452	6.369	6.219	6.550	6.808	6.534	6.513	6.124	6.516	6.568
1441319	at		Rbm5	BB440095	Mm.259197	9	5.338	5.760	5.766	5.882	5.749	5.688	5.933	5.823	5.658	5.875	5.675	5.854	5.456	5.544	5.911	5.829	6.017	5.983	5.790	5.591	5.811	5.879	5.911	5.625
1441320	a	at	LlC13194	AV377664	Mm.42973	5	5.568	4.963	9.620	9.609	9.507	9.764	9.421	9.317	9.308	9.385	9.421	9.317	9.308	9.385	9.421	9.317	9.308	9.385	9.421	9.317	9.308	9.385	9.421	9.317
1441321	at		AO4552911	BG063315	NA	NA	6.330	5.917	6.214	6.177	6.100	6.103	6.259	6.392	6.324	6.229	6.188	5.953	6.257	6.023	6.446	6.231	6.306	6.097	6.268	6.545	6.234	5.996	6.439	6.066
1441322	at		Skap1	BB498007	Mm.395840	11	6.512	6.116	6.287	6.119	6.271	5.990	6.112	6.399	6.338	6.345	6.059	6.067	6.193	6.251	6.211	6.192	6.158	6.128	6.062	6.210	6.185	6.183	6.136	6.149
1441323	at		Na	AV370587	NA	NA	7.654	7.233	7.504	7.444	7.362	7.446	7.246	7.329	7.356	7.216	7.381	7.230	7.404	7.376	7.389	7.169	7.451	7.660	7.203	7.661	7.564	7.290	7.432	7.404
1441324	at		Na	BB362177	NA	NA	6.174	6.173	6.338	6.600	6.394	6.720	5.973	6.249	6.636	6.731	5.959	6.697	6.287	6.392	6.870	6.408	6.344	6.466	6.451	6.505	5.959	6.348	6.415	6.274
1441325	at		Nkrf	BE952938	Mm.21649	X	5.696	5.538	5.840	5.723	5.701	5.711	5.669	5.606	5.549	5.467	5.711	5.604	5.557	5.758	5.706	5.666	5.780	5.662	5.623	5.823	5.732	5.810	5.785	5.838
1441326	at		Cp	AV381752	Mm.13787	3	7.268	6.348	7.279	6.519	6.571	6.419	6.643	6.327	5.911	6.110	6.171	6.140	6.293	6.139	6.198	7.254	6.266	6.284	6.341	6.515	6.516	7.027	6.971	7.210
1441327	a	at	Ssr1	AV325051	Mm.426670	13	5.806	6.106	5.776	6.055	6.136	5.981	5.713	6.333	6.082	5.796	6.036	6.054	6.293	5.993	5.848	5.809	6.322	6.297	6.221	6.072	6.299	6.194	5.776	5.714
1441328	at		Na	BB102528	NA	NA	10.528	9.646	9.238	9.295	9.766	9.049	8.731	8.348	9.083	9.075	8.800	8.943	8.899	8.812	8.920	9.177	8.288	8.464	8.064	8.477	9.041	8.635	8.944	9.722
1441329	at		Gat1	B0176727	Mm.6219	18	4.481	4.355	4.495	4.464	4.380	4.485	4.557	4.439	4.231	4.384	4.418	4.499	4.379	4.394	4.388	4.706	4.490	4.408	4.626	4.699	4.527	4.301	4.517	4.589
1441330	at		Crb1	BG295465	Mm.95700	1	7.363	6.318	7.464	7.107	6.698	6.900	7.035	6.386	6.208	6.385	6.322	6.200	6.348	6.465	6.793	7.245	6.744	6.866	6.997	7.035	6.962	7.004	7.321	7.199
1441331	at		A230061C15Rik	BB153043	Mm.395880	10	8.987	8.712	9.125	8.854	8.932	9.470	9.174	8.937	8.937	9.117	9.179	9.271	9.009	8.976	9.037	9.158	8.566	8.973	8.801	9.259	8.610	8.925	9.403	8.878
1441332	at		Na	BG067957	NA	NA	7.105	6.864	6.922	6.888	6.838	6.752	6.899	6.968	6.944	6.920	6.919	6.939	6.777	6.709	6.749	6.968	6.773	6.860	6.956	6.913	6.865	6.862	6.896	6.955
1441333	at		Na	BB485544	NA	NA	6.476	7.015	6.193	6.567	7.065	6.838	6.576	6.647	7.079	6.831	6.619	7.162	7.211	7.118	7.169	6.624	6.159	6.442	6.305	6.302	6.162	6.163	5.655	6.643
1441334	at		Na	BB528600	NA	NA	6.318	5.892	6.203	6.246	6.256	6.503	6.297	5.900	5.912	5.957	5.837	6.297	6.414	5.947	6.312	6.174	6.625	6.204	6.289	6.526	5.987	6.223	6.180	6.283
1441335	at		Na	B0030854	Mm.1151	2	4.476	4.401	5.975	4.495	5.262	5.023	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239	5.342	5.239
1441336	at		RP23-336F11.32	AV277035	Mm.78965	2	6.225	6.130	6.641	6.405	6.265	6.388	6.269	6.569	6.480	6.180	6.530	6.382	6.211	6.238	6.418	6.546	6.382	6.038	6.331	6.279	6.386	6.206	6.434	6.384
1441337	at		Na	BE949800	NA	NA	7.373	7.067	7.380	7.279	7.277	7.089	7.418	7.217	7.044	7.375	7.312	7.004	7.342	7.270	7.145	7.188	7.129	7.275	7.012	7.310	7.389	7.219	7.144	7.310
1441338	at		593042G12Rik	BB036132	Mm.387738	5	7.413	7.042	7.085	7.155	7.218	7.371	7.210	7.166	7.149	7.177	7.257	7.291	7.328	7.181	7.139	7.309	7.213	7.307	7.191	7.180	7.070	7.167	7.283	7.190
1441339	at		Chd9	BG230324	Mm.100615	8	6.639	6.695	6.670	6.855	6.821	6.729	6.794	6.823	6.731	6.854	6.602	6.686	6.675	6.609	6.584	6.682	6.821	6.481	6.744	6.785	6.791	6.621	6.519	6.685
1441340	at		Cep68	BF018298	Mm.260314	11	4.707	4.974	4.975	5.138	4.825	5.023	4.951	4.803	4.887	5.346	5.085	5.089	5.260	5.079	5.128	4.761	4.910	4.835	4.732	4.956	4.535	4.587	5.122	4.891
1441341	at		Na	B0067885	Mm.276296	17	7.010	7.008	7.075	6.976	7.105	7.202	6.914	6.915	7.121	6.926	6.970	6.975	7.105	7.066	7.160	7.031	7.033	7.080	7.172	7.310	7.085	6.995	7.355	7.139
1441342	at		Na	B00552904	NA	NA	7.315	7.975	7.253	7.361	7.217	7.302	7.245	7.484	7.347	7.237	7.356	7.297	7.190	7.947	7.211	7.142	7.182	7.156	7.054	7.254	7.258	7.258	7.258	7.258
1441350	at		Faf3	AV302620	Mm.4947	7	6.788	6.541	6.624	6.595	6.687	6.569	6.517	6.608	6.613	6.258	6.625	6.454	6.510	6.595	6.392	6.617	6.674	6.553	6.584	6.610	6.641	6.627	6.742	6.803
1441351	at		Na	BG075925	NA	NA	6.234	6.010	6.320	6.291	6.302	6.494	6.428	6.016	6.018	6.228	6.369	6.333	6.151	6.267	6.333	6.478	6.192	6.292	6.308	6.036	6.109	6.627	6.537	6.168
1441352	at		Tor1a1p	BB667558	Mm.211654	1	7.467	7.287	7.338	7.477	7.355	7.713	7.534	6.965	7.297	7.302	6.985	7.275	7.307	7.127	7.200	7.551	7.316	7.290	7.355	7.437	7.239	7.278	7.483	7.592
1441353	at		Nav2	BG093903	Mm.333881	7	4.448	4.240	4.367	4.551	4.149	4.415	4.309	4.315	4.329	4.187	4.210	4.260	4.209	4.325	4.144	4.284	4.332	4.504	4.491	4.521	4.169	4.159	4.478	3.999
1441354	at		Na	BG069312	NA	NA	6.024	6.351	6.158	6.013	6.273	6.054	5.844	5.664	6.170	6.254	6.018	6.023	5.930	5.863	6.056	5.960	5.865	6.156	5.986	6.289	6.114	5.874	6.155	6.003
1441355	at		AEU30047P09Rik	BB536126	NA	12	7.150	6.752	6.769	7.081	6.279	6.831	6.639	6.779	6.688	6.800	6.878	6.820	6.752	6.851	6.716	6.889	6.767	6.760	6.716	6.881	6.825	7.287	6.887	6.998
1441356	at		Na	BB039424	Mm.394424	10	6.144	6.592	6.808	6.643	6.590	6.608	6.871	6.652	6.568	6.885	6.783	6.618	6.532	6.896	6.828	6.896	6.668	6.896	6.668	6.896	6.668	6.896	6.668	6.896
1441357	at		Kifre13	AW494250	Mm.220710	9	5.506	6.184	7.202	7.257	7.189	7.107	7.070	7.221	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291	7.291
1441358	at		Pcdh16	B0027682	Mm.197441	18	6.306	6.337	6.416	6.432	6.431	6.278	6.534	6.612	6.403	6.314	6.663	6.430	6.232	6.456	6.567	6.499	6.085	6.777	6.484	6.402	6.281	6.309	6.477	6.459
1441359	at		Zcchc11	AV381417	Mm.25181	4	6.815	6.582	6.774	6.536	6.527	6.766	6.928	6.733	6.720	6.833	6.572	6.832	6.979	6.789	6.821	6.923	6.783	6.791	6.668	6.919	6.992	6.966	6.785	6.706
1441360	at		Na	AW546661	NA	NA	6.259	6.100	6.385	6.306	6.311	6.304	6.290	6.377	6.308	6.476	6.199	6.412	6.399	6.283	6.310	6.211	6.468	6.361	6.416	6.282	6.410	6.566	6.266	6.376
1441361	at		Mpdz	BB336845	Mm.153039	4	6.007	5.450	5.882	5.995	5.768	5.875	5.865	5.799	5.813	5.793	5.841	5.640	5.964	5.757	5.733	5.968	5.892	5.680	5.889	5.692	5.802	5.817	5.732	5.658
1441362	at		Na	AW493584	NA	NA	6.578	6.774	6.558	7.447	6.605	7.220	6.440	7.219	6.632	6.534	6.560	7.142	6.564	6.6										

1441404	at	NA	NA	NA	7.547	7.703	7.650	7.825	6.616	8.106	7.961	7.376	7.550	7.723	7.931	7.659	7.469	7.174	7.593	7.783	7.214	7.500	7.547	7.518	7.178	6.951	7.873	7.122	
1441405	at	NA	BM119869	NA	NA	5.989	5.450	5.659	5.847	5.628	5.887	5.989	5.804	5.887	5.704	6.015	5.614	5.817	5.747	5.694	6.019	5.870	5.775	5.821	6.000	6.006	5.810	6.128	6.054
1441406	at	1700052N19Rik	BG076159	Mm.346733	10	6.666	6.451	6.368	6.679	6.582	6.412	6.640	6.543	6.340	6.430	6.538	6.443	6.524	6.417	6.380	6.583	6.626	6.636	6.560	6.368	6.635	6.547	6.468	6.716
1441407	at	NA	BG070040	NA	NA	5.244	5.931	5.330	5.139	5.532	5.294	5.243	5.518	5.677	5.859	5.342	5.602	5.307	5.385	5.449	5.272	5.172	5.463	5.347	5.255	4.958	5.375	5.287	5.282
1441408	at	NA	BG071781	Mm.17822	2	6.646	6.813	6.757	6.734	6.677	6.591	6.750	6.707	6.752	6.673	6.741	6.616	6.810	6.757	6.708	6.673	6.647	6.682	6.647	6.682	6.743	6.534	6.865	6.865
1441409	at	BC030307	BG072108	Mm.440762	1	4.603	4.613	4.681	4.614	4.632	4.81	4.608	4.576	4.456	4.345	4.456	4.482	4.492	4.522	4.651	4.448	4.717	4.494	4.864	4.395	4.856	4.571	4.793	4.856
1441410	at	D2E0r112e	BG073480	NA	2	7.332	7.165	7.328	7.320	7.169	7.469	7.295	7.156	7.235	7.378	7.229	7.169	7.286	7.090	7.254	7.208	7.233	7.386	7.415	7.334	7.184	7.057	7.364	7.236
1441411	at	Lims1	BO031226	Mm.57734	10	7.029	6.581	7.076	6.795	6.730	7.033	7.404	6.618	6.284	6.630	6.325	6.736	6.547	6.422	6.619	7.127	7.021	7.152	7.054	6.652	7.043	7.174	7.003	6.403
1441412	s at	Trim45	BG965876	Mm.189351	3	7.601	7.948	7.543	7.560	7.586	7.454	7.639	7.697	7.711	7.750	7.724	7.779	7.658	7.628	7.360	7.490	7.626	7.726	7.578	7.652	7.794	7.591	7.723	7.280
1441413	at	NA	BM247599	NA	NA	7.595	7.486	7.565	7.558	7.763	7.558	7.576	7.542	7.423	7.603	7.574	7.500	7.720	7.449	7.839	7.606	8.181	7.635	7.762	7.737	8.009	8.784	8.189	7.732
1441414	at	Sfl1	BG075866	Mm.320785	11	7.403	7.612	7.443	7.513	7.555	7.403	7.345	7.510	7.536	7.489	7.185	7.511	7.564	7.285	7.158	7.404	7.289	7.464	7.424	7.353	7.375	7.630	7.318	7.165
1441415	at	NA	BB053442	NA	NA	8.100	7.975	8.558	8.376	8.197	8.499	8.433	8.342	7.929	8.142	8.289	8.321	8.426	8.424	8.422	8.425	8.354	8.389	8.400	8.499	8.350	8.305	7.706	8.526
1441416	at	Insp4b	B0717671	Mm.324468	8	6.868	6.721	6.927	6.717	6.655	6.670	6.929	6.817	6.495	6.414	6.982	6.543	6.410	6.420	6.638	6.906	6.535	6.877	6.830	7.005	6.911	6.746	6.922	6.564
1441417	at	Stt3a	BM363313	Mm.2863	9	4.528	4.676	4.421	4.461	4.536	4.635	4.469	4.192	4.766	4.681	4.418	4.406	4.636	4.625	4.517	4.687	4.434	4.358	4.487	4.484	4.360	4.191	4.600	4.291
1441418	at	NA	BM240473	NA	NA	5.211	5.305	5.307	5.369	5.338	5.208	5.184	5.248	5.391	5.239	5.231	5.220	5.396	5.340	5.285	5.289	5.462	5.163	5.094	5.457	5.530	5.342	5.302	5.497
1441419	at	NA	BB027107	NA	NA	5.791	5.440	5.857	5.670	5.457	5.593	5.692	5.455	5.471	5.526	5.559	5.494	5.567	5.608	5.477	5.627	5.603	5.708	5.563	5.631	5.600	5.618	5.795	5.593
1441420	at	Iqsf9	AU067686	Mm.214530	1	5.207	5.161	4.961	5.012	5.293	4.935	5.064	4.966	5.142	5.470	5.046	4.906	5.070	5.268	5.088	4.973	5.076	4.929	5.147	4.930	5.043	5.047	5.163	5.050
1441421	at	CS30030P08Rik	BG066902	Mm.410449	11	4.456	4.376	4.302	4.419	4.427	4.288	4.360	4.499	4.468	4.282	4.406	4.345	4.257	4.331	4.329	4.401	4.472	4.251	4.482	4.433	4.359	4.296	4.378	4.269
1441422	at	Gas211	BG067128	Mm.44591	11	5.636	5.500	5.860	5.626	5.769	5.785	5.560	5.734	5.551	5.330	5.508	5.723	5.657	5.448	5.625	5.622	5.633	5.851	5.757	5.644	5.625	5.650	5.700	5.762
1441423	at	Ece1	BB344763	Mm.401062	4	6.593	6.232	6.636	6.593	6.549	6.648	6.337	6.386	6.088	6.248	6.467	6.464	6.571	6.328	6.489	6.756	6.597	6.688	6.659	6.564	6.526	6.436	6.462	6.673
1441424	at	NA	BG074145	NA	NA	5.181	5.066	5.211	5.447	4.967	5.018	5.181	5.393	5.036	5.005	5.170	5.132	5.247	5.200	5.089	5.180	5.268	5.024	5.141	5.278	5.246	5.157	4.985	5.179
1441425	at	NA	BM202580	NA	NA	6.429	6.022	6.250	6.232	5.981	6.393	6.386	6.038	6.200	6.311	6.022	6.301	6.324	6.396	6.371	6.084	6.292	6.268	6.213	6.300	6.221	6.293	5.906	6.101
1441426	at	NA	BB052528	NA	NA	7.065	6.765	6.931	7.029	6.834	6.974	7.127	6.801	7.032	6.734	6.904	6.631	6.922	6.958	7.075	7.027	6.868	6.945	6.908	7.128	7.140	6.992	6.887	7.083
1441427	at	Vvc2	BB282989	Mm.337851	11	6.368	6.217	6.344	6.266	6.228	6.204	6.133	6.455	6.242	6.171	6.392	6.087	6.104	6.568	6.314	6.460	6.459	6.222	6.416	6.652	6.427	6.331	6.122	6.210
1441428	at	NA	BB667349	NA	NA	5.137	5.131	5.195	5.342	5.227	5.083	5.114	5.284	5.198	5.243	5.152	5.195	5.355	5.205	5.181	5.079	5.165	5.160	5.436	5.283	5.287	5.354	5.321	5.031
1441429	at	irs4	BB295945	Mm.261591	X	5.105	4.754	4.713	4.834	4.710	4.837	4.978	4.770	4.802	4.706	4.767	4.703	4.892	4.811	4.828	4.803	4.823	4.845	4.989	5.022	4.860	4.804	5.060	4.885
1441430	at	NA	BB041667	Mm.425204	4	7.114	6.982	7.011	7.041	6.947	6.948	7.017	6.958	6.917	6.826	6.949	6.859	6.912	7.022	6.958	7.024	7.027	6.986	7.102	7.027	6.986	7.102	7.027	7.027
1441431	at	1700041C02Rik	BB245132	Mm.425204	4	6.623	6.372	6.646	6.593	6.683	6.689	6.810	6.645	6.569	6.84	6.645	6.569	6.84	6.645	6.569	6.84	6.645	6.569	6.84	6.645	6.569	6.84	6.645	6.569
1441432	at	CR20005J03Rik	BB433598	Mm.405979	3	4.172	4.136	4.235	4.094	4.344	4.040	4.190	4.320	4.228	4.174	4.315	4.158	4.345	4.288	4.128	4.194	4.154	4.115	4.169	4.211	4.075	4.189	4.031	4.083
1441433	at	NA	AW552008	NA	NA	7.277	6.985	7.202	7.247	7.098	7.181	7.203	7.153	7.057	6.981	7.185	7.085	7.065	7.134	7.086	7.157	7.121	7.029	7.319	7.156	7.231	7.255	7.290	7.342
1441434	at	2810426N06Rik	BB078651	Mm.384626	7	5.407	4.998	5.357	5.432	5.404	5.702	5.525	5.499	5.288	5.350	5.431	5.187	5.488	5.547	5.393	5.421	5.343	5.296	5.436	5.642	5.486	5.399	5.448	5.389
1441435	at	NA	BG075809	NA	NA	8.104	7.917	8.089	8.267	8.083	8.221	8.319	7.943	8.088	8.112	7.602	8.073	7.912	7.812	8.054	8.100	8.468	8.393	8.043	8.356	8.014	8.396	8.285	8.237
1441436	at	Dusp12	BB375943	Mm.34365	1	7.171	6.823	7.295	7.028	6.987	7.109	6.969	7.237	6.917	6.639	6.965	6.969	6.821	7.030	6.972	7.013	7.048	6.856	7.098	7.259	6.837	6.928	7.041	6.932
1441437	at	NA	BM119933	NA	NA	7.462	7.586	7.437	7.657	7.525	7.758	7.688	8.012	7.937	7.852	7.596	8.036	7.834	7.477	8.010	7.940	8.026	7.687	7.565	7.524	7.627	8.226	7.509	7.334
1441438	at	NA	BB034554	Mm.440025	14	6.995	7.295	7.328	7.260	6.196	7.448	7.273	7.295	8.016	7.826	7.899	8.017	7.521	7.671	7.694	7.578	7.621	7.694	7.578	7.621	7.694	7.578	7.621	7.694
1441439	at	Ucn3	BB433553	Mm.313662	13	6.224	5.716	6.024	5.943	5.843	5.943	5.807	5.838	5.688	5.555	6.089	5.693	5.891	5.860	5.852	5.869	5.883	5.809	5.712	5.884	6.007	5.894	5.892	5.872
1441440	at	Atc4c	BB530484	Mm.277366	4	5.725	5.491	5.642	5.544	5.674	5.575	5.804	5.541	5.577	5.566	5.551	5.816	5.938	5.767	5.904	5.567	5.550	5.561	5.701	5.668	5.604	5.574	5.853	5.584
1441441	at	Prrr1	BB039188	Mm.211712	X	7.632	7.313	7.530	7.647	7.554	7.691	7.802	7.803	7.422	7.600	7.595	7.416	7.640	7.503	7.591	7.554	8.146	7.905	8.137	8.142	7.889	7.862	7.738	7.647
1441442	at	NA	BM232203	NA	NA	6.569	6.169	6.393	6.304	6.528	6.508	6.387	6.316	6.348	6.328	6.396	6.363	6.341	6.154	6.340	6.461	6.395	6.357	6.478	6.419	6.327	6.675	6.557	6.480
1441443	at	NA	BB025123	NA	NA	7.510	7.356	7.368	7.418	7.745	7.367	7.453	7.278	7.397	7.254	7.549	7.276	7.224	7.429	7.341	7.394	7.180	7.232	7.312	7.550	7.321	7.292	7.514	7.606
1441444	at	Nbea11	BB022773	Mm.205224	1	6.699	6.590	6.543	6.487	6.770	6.437	6.644	6.762	6.815	7.209	6.445	7.337	7.142	6.875	7.160	6.798	6.683	6.649	6.432	6.537	6.981	7.339	7.021	6.619
1441445	at	Per3	BM1121361	NA	4	7.314	7.155	7.562	7.577	7.5																			

1441493	at	Erc1	BB199103	Mm.288860	6	6.896	6.884	6.955	7.079	7.021	7.004	7.072	7.028	7.061	6.899	7.167	6.845	6.959	7.144	7.115	7.192	6.915	6.982	7.014	7.307	6.970	6.831	6.992	6.811
1441494	at	NA	BB160773	NA	NA	5.314	4.986	5.321	5.345	5.104	5.140	5.266	5.234	5.218	5.116	5.218	5.158	5.231	5.196	5.187	5.332	5.215	5.017	5.051	5.358	5.090	5.168	5.277	5.082
1441495	at	Kctd8	BB183090	Mm.234821	NA	5.717	7.111	7.100	6.953	7.037	6.958	7.063	7.118	6.995	7.068	7.067	6.969	6.935	6.997	6.925	6.998	6.948	6.996	6.972	6.926	7.117	6.955	7.019	7.199
1441496	at	Tdrd3	AV237053	Mm.35168	14	6.711	6.560	6.935	6.642	6.735	6.988	6.652	6.314	6.502	6.920	6.618	6.490	6.746	6.805	6.827	6.982	6.236	6.604	6.832	6.817	6.397	6.517	7.069	6.974
1441497	at	AA388235	AV264133	Mm.380381	17	7.424	7.256	7.270	7.209	7.351	7.298	7.230	7.400	7.172	7.259	7.070	7.405	7.257	7.210	7.296	7.301	7.312	7.191	7.515	7.256	7.461	7.313	7.461	7.313
1441498	at	NA	AW546318	NA	NA	7.118	7.041	6.959	7.053	6.993	7.033	7.212	6.920	6.752	6.794	6.828	6.909	7.142	6.674	6.687	6.794	7.294	6.745	6.897	7.228	6.787	7.185	6.706	6.687
1441499	at	Grid1	BB182155	Mm.121569	14	6.976	6.617	6.529	6.808	6.587	6.765	6.804	6.427	6.427	6.375	6.889	6.352	6.647	6.679	6.671	6.772	6.541	6.776	6.815	6.839	6.599	6.590	6.848	6.829
1441500	at	NA	BB358022	NA	NA	5.791	5.584	5.804	5.740	5.724	6.064	5.820	5.688	5.684	5.634	6.029	5.823	5.629	6.023	5.836	5.887	5.786	5.936	5.830	5.892	5.710	5.821	5.821	5.854
1441501	at	Serbp1	AV382262	Mm.240490	6	6.842	6.255	6.507	6.475	6.422	6.677	6.795	6.491	5.885	6.241	6.324	6.015	6.279	6.298	6.178	6.693	7.136	6.642	6.888	6.678	6.838	7.007	6.651	6.533
1441502	at	NA	BB183114	NA	NA	4.059	4.105	4.027	4.097	4.080	4.129	4.055	4.050	4.030	4.063	4.084	4.033	4.036	4.051	4.030	4.200	4.068	4.515	4.332	3.972	3.892	4.011	4.108	4.041
1441503	at	Dcdc2a	BM119370	Mm.284719	13	8.446	7.855	8.597	8.464	8.156	8.208	8.305	8.210	8.212	8.154	8.362	8.111	8.298	8.229	8.242	8.230	8.305	8.314	8.190	8.370	8.394	8.171	8.397	8.418
1441504	at	Rhm44	AV277307	Mm.295940	1	5.262	5.232	5.036	4.887	5.089	4.945	4.925	4.785	4.790	4.884	5.045	4.858	4.822	4.967	4.908	4.957	5.007	4.754	5.104	4.927	4.922	4.944	5.003	5.124
1441505	at	NA	BB211484	NA	NA	7.243	7.062	7.236	7.167	7.173	7.122	7.109	7.003	7.068	7.319	7.213	7.270	7.147	7.035	7.413	7.118	7.189	7.045	7.081	7.145	7.023	7.330	7.386	7.189
1441506	at	Dcn	AV321547	Mm.56769	2	6.152	6.915	7.088	7.227	7.003	7.225	7.068	7.564	6.915	7.446	7.399	7.424	7.213	7.195	7.413	6.845	7.188	6.808	6.800	7.029	7.375	7.493	5.776	7.656
1441507	at	Spm2	AW550681	Mm.123110	11	8.297	7.871	8.690	8.319	8.129	8.468	8.305	7.737	7.604	7.951	7.590	8.102	7.998	7.900	8.345	8.496	8.175	8.271	8.288	8.459	8.038	8.188	8.608	8.638
1441508	at	ENSMUSG000000	BB280444	Mm.402775	10	5.289	5.055	5.069	4.875	5.166	5.174	5.209	4.966	5.036	4.990	5.580	5.112	5.180	5.131	5.123	5.289	5.132	5.163	5.065	5.166	5.019	5.272	5.081	5.174
1441509	at	A130009I22Rik	BB152912	NA	8	6.514	6.579	6.499	6.583	6.597	6.430	6.452	6.800	6.648	6.594	6.778	6.416	6.595	6.622	6.425	6.567	6.661	6.484	6.426	6.326	6.439	6.606	6.516	6.352
1441510	at	Rhof	BB157359	Mm.253876	5	5.992	5.785	5.897	6.112	5.670	5.866	5.990	6.120	5.702	5.594	5.812	5.870	5.791	5.585	5.905	5.675	6.292	5.870	5.849	5.863	6.194	6.249	5.855	5.847
1441511	at	Kcnk1	BB371253	Mm.119462	2	6.522	6.322	6.446	6.412	6.238	6.117	6.375	6.460	6.351	6.316	6.291	6.426	6.315	6.371	6.370	6.654	6.384	6.293	6.164	6.420	6.450	6.401	6.338	6.334
1441512	at	60304457D1Rik	BB039760	Mm.463256	4	6.073	5.954	6.183	6.137	6.115	6.077	5.970	6.018	6.101	6.101	6.140	5.766	6.121	6.005	6.142	6.185	6.175	6.039	6.107	6.099	6.030	5.745	6.008	6.213
1441513	at	Tank	BB040938	Mm.244393	2	6.642	6.727	6.454	6.511	6.627	6.591	6.562	6.412	6.583	6.792	6.682	6.635	6.435	6.704	6.776	6.669	6.578	6.598	6.638	6.478	6.391	6.416	6.348	6.689
1441514	at	NA	BB280460	NA	NA	5.928	5.832	6.030	6.061	6.041	6.278	5.962	5.707	6.020	5.804	6.166	5.689	6.003	6.191	5.994	6.060	5.837	6.163	5.979	6.251	5.946	5.910	6.090	5.752
1441515	at	NA	AV230440	NA	NA	4.331	3.925	3.898	4.293	4.086	4.154	4.098	3.944	3.926	3.947	3.809	4.130	3.977	3.923	4.082	4.410	4.073	4.466	4.287	4.414	3.949	4.021	4.132	4.050
1441516	a at	C130050I018Rik	BB527707	Mm.440271	5	6.023	6.269	6.098	6.025	6.040	6.028	6.046	5.960	6.395	6.110	5.956	6.131	5.841	6.249	5.934	5.827	5.860	5.898	5.784	5.807	6.006	5.970	5.858	6.093
1441517	at	NA	BB277520	NA	NA	4.627	4.481	4.378	4.533	4.611	4.498	4.479	4.549	4.576	4.419	4.808	4.506	4.522	4.329	4.483	4.423	4.543	4.463	4.612	4.459	4.555	4.207	4.463	4.476
1441518	at	NA	BB277231	NA	NA	5.991	5.549	5.676	5.759	5.642	5.602	5.925	5.734	5.865	5.874	5.857	5.479	5.730	5.814	5.627	5.620	5.923	5.768	5.834	5.902	6.099	5.814	5.891	5.825
1441519	at	NA	BB156490	Mm.4691	13	5.525	5.763	5.563	5.397	5.383	5.793	5.393	5.593	5.793	5.393	5.593	5.793	5.393	5.593	5.793	5.393	5.593	5.793	5.393	5.593	5.793	5.393	5.593	5.793
1441520	at	Aspm	BB478135	Mm.168523	1	6.275	6.976	6.441	6.552	6.681	6.665	6.586	6.901	7.004	6.758	6.850	6.247	5.731	5.584	5.572	5.627	6.167	6.311	6.204	5.913	6.202	6.385	5.285	6.032
1441521	at	NA	BB357435	NA	NA	7.524	7.123	7.377	7.426	7.206	7.358	7.491	7.302	7.309	7.110	7.252	7.063	7.107	7.219	7.262	7.380	7.636	7.475	7.437	7.602	7.307	7.353	7.307	7.252
1441522	at	Dcu1n1d2	BB083931	Mm.368890	8	7.236	7.147	7.413	7.595	7.391	7.542	7.438	7.416	7.070	6.939	7.207	7.147	7.097	7.302	7.385	7.427	7.651	7.524	7.577	7.652	7.488	7.505	7.592	7.711
1441523	at	Nf1	BB485186	Mm.255596	11	7.064	6.809	6.926	6.907	7.036	6.848	6.858	7.117	7.062	7.026	7.128	6.733	7.073	7.076	6.950	6.993	6.803	6.928	7.052	6.938	6.932	6.825	7.072	6.888
1441524	at	NA	BM240218	NA	NA	6.215	6.183	6.232	6.209	6.289	6.221	6.141	6.317	6.507	6.208	6.300	6.040	6.225	6.298	6.483	6.201	6.201	6.054	6.169	6.311	6.232	6.100	6.379	6.321
1441525	at	Nek11	AV280291	Mm.347509	9	6.750	6.569	6.815	6.775	6.725	6.638	6.846	6.742	6.931	6.888	6.892	6.534	6.769	6.795	6.683	6.731	6.713	6.953	6.750	6.918	6.775	6.748	6.898	6.831
1441526	at	NA	BB382648	NA	NA	6.200	5.864	6.104	6.049	6.075	6.170	6.215	5.781	5.977	5.999	6.194	6.044	5.997	6.075	6.171	6.058	6.180	6.227	6.154	6.206	5.969	5.990	6.153	6.355
1441527	at	Pd3055818Rik	BB393456	Mm.362268	X	1	6.973	6.734	6.842	6.791	6.934	6.712	6.997	6.645	6.701	6.776	6.684	6.792	6.602	6.702	6.785	6.094	6.397	6.787	6.094	6.642	6.594	6.665	6.827
1441528	at	Ttcl5	BB307742	Mm.132006	12	8.612	8.190	8.440	8.473	8.445	8.308	8.547	8.225	8.257	8.218	8.320	8.271	8.388	8.338	8.366	8.392	8.521	8.448	8.516	8.800	8.394	8.359	8.710	8.443
1441529	at	NA	BB325889	NA	NA	7.562	7.326	7.252	7.368	7.342	7.301	7.382	7.541	7.384	7.212	7.492	7.103	7.327	7.373	7.579	7.480	7.508	7.399	7.627	7.564	7.375	7.402	7.487	
1441530	at	NA	BB209729	NA	NA	6.499	6.508	6.449	6.443	6.408	6.407	6.468	6.443	6.520	6.245	6.633	6.214	6.494	6.361	6.375	6.369	6.392	6.074	6.467	6.805	6.415	6.352	6.426	6.337
1441531	at	LOC100043487	BB143801	NA	2	9.900	8.634	9.214	8.820	8.911	8.927	8.654	8.498	7.803	7.944	8.268	8.471	8.631	8.228	8.352	9.157	8.610	8.463	8.556	8.829	8.772	9.348	9.176	9.042
1441532	at	NA	BB387438	NA	NA	6.972	6.674	7.029	7.144	6.723	7.125	7.160	6.602	6.720	6.729	7.056	6.932	6.817	6.740	7.131	7.189	6.847	6.916	7.010	7.317	7.015	6.965	7.004	7.370
1441533	at	100043515	BB080402	Mm.184028	14	3.771	3.724	3.775	3.749	3.735	3.764	3.707	3.769	3.722	3.823	3.804	3.734	3.615	3.761	3.638	3.662	3.888	3.764	3.979	3.686	3.749	3.662	3.791	3.843
1441534	at	C96753	BB067665	Mm.288989	12	5.283	4.966</																						

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1441671	at	NA	BM221185	NA	NA	5.517	5.421	5.255	5.358	5.513	5.280	5.448	5.385	5.334	5.313	5.414	5.098	5.233	5.633	5.142	5.348	5.167	5.063	5.428	5.231	5.344	5.493	5.467	5.180
1441672	at	D3Ertdd547e	AU022574	NA	3	5.817	5.667	5.768	5.824	5.832	5.587	5.877	5.830	5.748	5.660	5.897	5.733	5.837	5.855	5.775	5.928	5.808	5.713	5.795	5.783	5.898	5.745	5.950	5.809
1441673	at	C80120	C79829	Mm.426573	12	6.761	6.519	6.832	6.822	6.787	6.465	6.728	6.870	6.571	6.504	6.813	6.639	6.911	6.990	6.822	6.958	6.850	6.803	6.790	6.982	6.953	6.941	6.777	6.944
1441674	at	NA	BB377336	NA	NA	6.319	6.228	6.466	6.332	6.324	6.562	6.483	6.265	6.464	6.483	6.523	6.345	6.673	6.424	6.555	6.456	6.386	6.517	6.527	6.523	6.508	6.477	6.566	6.327
1441675	at	NA	BB323441	NA	NA	4.496	4.416	4.385	4.306	4.405	4.159	4.375	4.305	4.264	4.250	4.451	4.403	4.325	4.322	4.331	4.502	4.191	4.321	4.375	4.414	4.381	4.464	4.490	4.464
1441676	at	Zfat	AW557778	Mm.309526	15	7.512	7.278	7.501	7.430	7.451	7.339	7.461	7.238	7.366	7.255	7.252	7.420	7.338	7.348	7.450	7.509	7.426	7.427	7.480	7.513	7.498	7.426	7.535	
1441677	at	NA	BM244144	NA	NA	6.080	6.630	6.122	6.227	6.412	6.268	6.169	6.349	6.636	6.898	6.199	6.396	6.285	6.676	6.594	5.940	5.803	5.951	6.147	6.347	6.042	5.822	6.271	6.057
1441678	at	NA	AU022137	NA	NA	3.910	3.778	4.043	3.899	3.824	3.888	3.948	4.003	3.901	3.961	4.040	3.852	3.958	3.800	3.995	3.999	3.932	4.069	4.012	4.142	3.935	3.931	4.144	3.939
1441679	at	NA	BB126796	NA	NA	9.978	9.157	10.339	10.020	9.473	10.002	10.255	8.468	8.715	9.165	7.691	8.963	8.781	8.503	8.890	10.171	9.725	9.401	9.428	9.654	8.846	9.451	9.469	9.491
1441680	at	NA	BM117447	NA	NA	7.681	7.888	7.756	7.681	7.916	7.919	7.569	7.675	8.024	8.409	7.787	8.216	8.297	7.892	7.778	7.694	7.666	7.770	7.647	7.465	7.655	7.371	7.640	7.571
1441681	at	Xpot	C79645	Mm.25042	10	4.962	4.452	4.882	4.701	4.646	4.807	4.572	4.465	4.368	4.514	4.647	4.439	4.499	4.442	4.873	4.825	4.737	4.953	4.951	5.001	4.807	4.707	5.116	5.038
1441682	s at	Xpot	C79645	Mm.25042	10	9.866	10.367	9.940	9.908	10.204	9.927	9.886	10.150	10.273	10.204	10.059	10.263	10.333	10.302	10.002	10.048	10.154	9.898	9.934	9.771	9.996	10.146	9.715	9.785
1441683	at	NA	BM220862	NA	NA	6.339	5.862	5.956	6.289	6.127	6.499	6.515	6.346	6.088	6.236	6.162	6.623	6.249	6.185	6.487	6.086	6.275	6.200	6.280	6.480	6.611	5.843	6.195	6.181
1441684	at	TtC3	BM116591	Mm.213408	16	7.270	6.979	7.530	7.502	7.204	7.920	7.412	7.743	7.602	7.818	6.789	7.295	7.463	6.884	7.587	7.474	7.672	7.673	7.604	7.611	7.298	7.721	7.801	7.094
1441685	at	Prosc	AV340971	Mm.277501	8	6.864	6.579	6.422	6.915	6.900	6.514	6.746	6.712	6.703	6.580	6.843	6.810	6.845	6.675	6.691	6.877	7.194	7.007	7.129	7.187	6.869	7.019	7.013	7.081
1441686	at	NA	BB668033	NA	NA	4.267	4.070	4.363	4.172	4.115	4.252	4.246	4.250	4.137	4.243	4.326	4.087	4.152	4.144	4.313	4.201	4.229	4.135	4.447	4.144	4.301	4.091	4.291	4.154
1441687	at	Wnt4	AW047257	Mm.20355	4	6.639	6.341	6.625	6.308	6.472	6.285	6.538	6.453	6.604	6.502	6.665	6.510	6.487	6.720	6.590	6.802	6.513	6.609	6.583	6.511	6.609	6.525	6.701	6.639
1441688	at	6430537121Rik	AV343428	Mm.444973	10	7.400	7.446	7.173	7.356	7.478	7.476	7.272	7.230	7.685	7.365	7.742	7.452	7.388	7.393	7.405	7.425	7.679	7.112	7.408	7.311	7.443	7.456	7.588	7.275
1441689	at	Nup153	BB120384	Mm.255398	13	6.300	6.312	6.324	6.313	6.247	6.244	6.344	5.957	6.045	6.272	6.503	6.065	5.975	6.169	6.317	6.321	5.976	6.036	5.997	6.025	6.028	5.894	6.465	6.324
1441690	at	CDH8	BB273513	Mm.441131	8	4.511	4.390	4.340	4.480	4.286	4.393	4.552	4.254	4.358	4.332	4.492	4.292	4.454	4.358	4.367	4.492	4.368	4.414	4.376	4.709	4.405	4.374	4.616	4.491
1441691	at	NA	BG070831	NA	NA	7.581	7.083	7.643	7.496	7.276	7.563	7.590	7.545	7.492	7.220	7.504	7.430	7.355	7.397	7.427	7.547	7.496	7.592	7.543	7.698	7.411	7.412	7.461	7.499
1441692	at	NA	BM122005	NA	NA	6.339	6.227	6.469	6.416	6.442	6.369	6.457	6.326	6.970	6.562	6.343	6.312	6.160	6.184	6.160	6.128	6.480	6.421	6.114	6.392	6.632	6.480	6.740	6.762
1441693	at	Adamts3	BB193360	Mm.133062	5	7.151	6.674	7.240	7.077	7.029	7.358	7.035	6.346	5.968	6.401	6.399	6.538	6.505	6.372	6.255	7.230	7.149	7.188	7.016	7.311	6.926	7.148	6.910	6.808
1441694	at	NA	BB349325	NA	NA	5.032	4.867	5.463	5.315	5.003	5.098	5.169	5.155	4.976	4.960	5.124	5.117	5.396	4.893	5.016	5.101	5.290	5.419	5.128	5.364	5.198	5.387	5.114	5.275
1441695	at	NA	BG068491	NA	NA	5.935	5.832	5.945	5.999	5.927	5.834	5.973	6.012	6.209	5.773	6.046	5.848	5.961	5.955	5.891	6.075	5.872	5.728	6.245	6.214	6.021	5.991	6.255	5.945
1441696	at	NA	AW552696	NA	NA	7.828	7.852	7.756	7.833	7.831	7.933	7.852	7.781	7.767	7.773	7.781	7.895	7.866	7.902	7.805	7.824	7.904	7.837	8.023	7.897	7.786	7.815	7.606	7.666
1441697	at	Mam11	BM233441	Mm.51116	11	5.910	5.329	5.441	5.555	5.380	5.774	5.575	5.344	5.512	5.500	5.584	5.502	5.584	5.512	5.584	5.512	5.978	5.716	5.944	5.502	5.792	5.828	5.828	5.828
1441698	at	NA	BM237493	NA	NA	6.746	6.379	6.611	6.755	7.501	7.555	6.589	6.386	6.494	6.518	7.423	7.545	7.527	7.545	7.517	7.627	7.655	7.638	6.696	7.537	6.696	7.537	6.618	7.537
1441699	at	Atp8b2	BE980564	Mm.30455	3	5.688	5.765	5.776	5.756	5.823	5.820	5.830	5.797	5.847	5.730	5.926	5.923	5.945	5.875	5.853	5.833	5.752	5.777	5.911	5.736	5.794	5.719	5.647	5.807
1441700	at	Sfcl4a8	BF462614	Mm.209856	15	5.866	5.964	5.956	6.065	5.988	6.017	6.168	6.045	6.014	5.851	5.937	5.822	5.801	5.961	6.094	6.200	6.012	6.046	5.989	6.112	5.926	6.025	6.022	
1441701	at	NA	BM216716	NA	NA	5.493	5.890	5.365	5.796	5.714	5.749	5.536	5.544	5.440	5.502	5.121	5.549	5.544	5.184	5.403	5.462	5.466	5.426	5.437	5.514	5.368	5.380	5.581	5.508
1441702	at	NA	BB363174	NA	NA	4.145	3.885	4.195	4.130	4.015	4.047	4.203	3.989	4.143	3.881	4.288	3.895	4.149	4.013	4.157	4.192	4.086	4.166	4.263	4.422	4.180	4.064	4.158	4.332
1441703	at	Zfp787	BI133496	Mm.3254	7	6.432	6.745	6.514	6.563	6.575	6.511	6.603	6.625	6.613	6.529	6.719	6.514	6.618	6.586	6.362	6.647	6.666	6.673	6.471	6.747	6.710	6.657	6.721	6.628
1441704	at	NA	BB369657	NA	NA	8.100	7.716	8.268	8.111	7.946	7.990	8.131	8.047	7.952	7.899	8.045	7.950	8.098	7.833	8.013	8.044	8.062	8.198	8.270	8.231	8.136	8.094	8.092	8.030
1441705	at	AD015680	BB529375	Mm.227443	9	6.501	6.650	7.368	7.457	6.696	7.525	5.988	5.922	7.948	5.970	7.895	5.920	7.895	5.920	7.895	5.920	6.018	5.930	5.942	5.930	5.942	5.930	5.942	5.930
1441706	at	Dscam11	BB239540	Mm.325499	9	4.343	4.190	4.301	4.334	4.207	4.286	4.255	4.242	4.167	4.147	4.138	4.366	4.028	4.390	4.151	4.301	4.213	4.242	4.354	4.447	4.199	4.168	4.191	4.129
1441707	at	Psm3a3	C77757	Mm.296338	12	6.820	6.819	6.782	6.700	6.881	6.814	6.902	6.944	6.803	6.663	6.725	6.698	6.728	6.649	6.740	6.631	7.144	6.924	6.745	6.777	6.866	6.888	6.888	6.622
1441708	at	Spaq16	AI644545	Mm.440554	1	5.459	5.026	5.412	5.106	5.208	5.326	5.366	5.366	5.042	5.208	5.235	5.155	5.251	5.214	5.295	5.389	5.316	5.419	5.329	5.611	5.373	5.175	5.341	5.213
1441709	at	Scl11a2	BB771579	Mm.234608	15	6.281	6.465	6.576	6.297	6.345	6.514	6.667	6.383	6.313	6.144	6.637	6.288	6.179	6.593	6.422	6.382	6.023	6.383	6.331	6.576	6.181	6.172	6.342	6.374
1441710	at	NA	BE952918	NA	NA	6.858	6.246	6.658	6.658	6.519	6.689	6.577	6.453	6.595	6.327	6.745	6.546	6.745	6.676	6.554	6.612	6.600	6.575	6.726	6.981	6.714	6.598	6.523	6.793
1441711	at	ENSMUSG000000	BB212659	Mm.403779	11	7.064	6.567	6.803	6.917	6.879	6.870	6.978	7.145	6.510	6.650	6.708	6.899	6.710	6.801	6.777	6.634	6.977	7.104	6.974	6.979	7.018	6.993	6.877	6.835
1441712	at	NA	BB369657	Mm.59393	17	5.960	5.950	5.718	5.872	5.979	5.864																		

1441760	at	EG243302	B0126463	Mm.302596	5	5.120	4.855	4.830	4.852	4.823	4.930	4.974	5.046	4.900	4.747	4.967	4.872	5.007	4.925	5.024	5.160	5.203	5.063	5.089	4.956	5.082	5.090	4.967	5.003
1441761	at	Sla	A151480	Mm.7601	15	5.373	5.978	5.100	5.285	5.969	5.482	5.174	5.023	5.718	5.298	5.174	5.298	5.642	5.478	4.847	5.292	5.037	4.973	5.190	5.043	4.852	5.228	5.025	5.261
1441762	at	NA	BM87183	NA	NA	7.142	6.849	7.128	6.933	7.061	6.966	6.923	7.298	6.953	7.044	7.094	6.934	6.828	7.106	7.005	7.108	7.208	7.104	6.979	6.979	7.182	7.031	7.023	6.905
1441763	at	Zdhnc6	BE854127	Mm.386789	19	4.780	4.807	4.741	4.810	4.747	4.730	4.622	5.116	4.829	4.786	4.717	4.947	4.900	4.654	4.842	4.767	4.950	4.729	4.796	4.924	4.748	4.954	4.762	4.726
1441764	at	Prlm10	BF730705	Mm.335039	9	6.220	5.960	5.968	6.186	6.141	5.878	6.373	6.112	6.123	6.048	6.232	6.098	6.035	5.969	6.187	6.282	6.174	6.138	6.189	6.189	6.189	6.189	6.259	6.280
1441765	at	NA	BB822342	NA	NA	6.844	6.568	6.697	6.808	6.659	6.694	6.628	6.970	6.621	6.535	6.621	6.535	6.210	6.421	6.620	6.807	7.096	7.061	7.055	6.680	6.841	7.368	6.359	6.833
1441766	at	NA	BE951127	NA	NA	4.710	4.437	4.846	4.557	4.491	4.621	4.666	4.628	4.779	4.446	4.808	4.562	4.553	4.627	4.771	4.714	4.566	4.615	4.831	5.249	4.700	4.527	4.842	4.900
1441767	at	Zfp142	BB730731	Mm.207298	1	6.954	7.117	7.207	7.183	7.028	7.295	6.946	7.135	7.095	7.183	6.939	7.047	6.859	6.824	7.233	7.119	7.243	7.062	6.954	7.070	7.208	7.274	7.707	7.144
1441768	at	9430051O21Rk	BB122864	Mm.442361	4	7.130	6.974	7.059	7.033	7.056	6.967	7.045	7.220	7.158	7.008	7.130	7.219	6.993	6.921	7.205	6.912	7.111	7.086	7.100	7.100	7.256	7.295	7.709	7.133
1441769	at	NA	BB731108	NA	NA	8.842	8.803	9.146	9.231	8.914	9.210	9.007	9.055	8.964	9.155	8.834	9.369	9.121	8.927	8.841	9.104	8.977	9.004	8.806	8.884	8.577	9.022	8.472	8.573
1441770	at	Ppat	BB730878	Mm.202337	5	5.300	5.099	5.697	5.141	5.160	5.646	5.426	5.065	5.100	5.242	5.147	5.102	5.026	5.237	5.404	5.480	5.474	5.601	5.417	5.746	5.218	5.218	5.486	5.399
1441771	at	NA	BB730600	NA	NA	7.590	7.539	8.050	7.819	7.769	7.963	7.846	7.897	7.637	7.741	7.593	7.892	8.091	7.944	7.952	8.055	7.798	7.791	7.846	8.113	7.938	8.115	7.789	7.731
1441772	at	P2rx4	BB931315	Mm.290884	5	7.691	7.413	7.569	7.762	7.723	7.605	7.633	7.409	7.649	7.575	7.598	7.441	7.545	7.461	7.597	7.512	7.473	7.607	7.508	7.725	7.710	7.398	7.685	7.636
1441773	at	1700061N14Rk	AV207074	Mm.297069	8	5.977	5.613	5.945	5.841	5.803	5.816	5.850	5.688	5.817	5.728	5.605	5.708	5.734	5.837	5.959	6.010	5.828	6.055	5.826	6.019	5.833	5.917	5.848	5.909
1441774	at	NA	BB782131	NA	NA	5.314	5.046	5.031	5.203	5.156	5.192	5.269	5.040	5.195	5.221	5.246	4.940	5.129	5.314	5.090	5.246	5.314	5.120	5.195	5.309	5.144	5.181	5.423	5.198
1441775	at	NA	BB748650	NA	NA	6.360	5.954	6.110	6.136	6.131	6.363	6.186	6.220	6.340	6.102	6.155	5.851	6.329	6.080	6.280	6.175	6.152	6.142	6.146	6.126	6.131	6.163	6.200	6.225
1441776	at	Tspan11	BB732603	Mm.174368	6	5.910	5.983	5.809	5.740	5.824	5.709	5.840	5.865	5.815	5.741	5.822	5.712	5.746	5.731	5.810	5.818	5.900	5.837	6.002	6.031	5.653	5.683	5.883	6.021
1441777	at	Emx1	BB741819	Mm.391473	6	8.012	7.925	7.882	7.906	7.755	7.883	7.866	7.942	8.012	7.754	7.936	7.947	7.877	7.859	7.962	7.826	7.994	7.831	7.837	7.868	7.785	7.783	7.869	7.766
1441778	at	Adcvap1	BB171354	Mm.3407	17	4.071	3.781	4.055	4.008	3.925	4.132	3.952	3.980	3.939	4.019	3.907	3.858	3.949	3.977	4.057	3.919	4.184	4.019	4.055	3.887	3.938	3.983	4.033	4.097
1441779	at	9530006C21Rk	BB750043	Mm.441267	18	11.060	10.621	11.394	11.179	10.937	11.246	11.014	10.188	10.100	10.430	10.119	10.617	10.812	10.337	10.743	11.284	10.606	10.984	10.801	10.898	10.680	10.725	11.233	10.869
1441780	at	NA	AW493922	NA	NA	4.398	4.070	4.187	4.231	4.298	4.151	4.196	4.165	4.079	4.002	4.254	4.182	4.135	4.171	4.297	4.305	4.408	4.273	4.132	4.169	4.112	4.068	4.235	4.430
1441781	at	A1311578	AW122759	Mm.435678	17	6.541	6.398	6.519	6.251	6.302	6.204	6.479	6.451	6.287	6.040	6.514	6.394	6.336	6.473	6.405	6.396	6.544	6.478	6.443	6.459	6.558	6.441	6.470	6.415
1441782	at	Aak1	AW121504	Mm.221038	6	6.791	6.544	6.747	6.735	6.674	6.345	6.492	6.494	6.706	6.761	6.899	6.538	6.543	6.733	6.589	6.646	6.500	6.734	6.715	6.641	6.749	6.590	6.629	6.632
1441783	at	2410022M11Rk	BB749856	Mm.297636	14	5.358	4.948	5.270	5.397	5.323	5.295	5.533	5.141	5.159	5.148	5.502	5.104	5.250	5.154	5.231	5.356	5.605	5.396	5.494	5.567	5.147	5.358	5.499	5.330
1441784	at	NA	BB830629	NA	NA	4.786	4.223	4.835	4.380	4.412	4.641	4.695	4.420	4.208	4.342	4.429	4.405	4.343	4.434	4.740	5.008	4.660	4.794	4.647	4.901	4.718	4.585	4.751	4.739
1441785	at	Gm879	AW120650	Mm.351764	11	6.517	6.579	6.737	6.643	6.511	6.389	6.744	6.343	6.307	6.419	6.630	6.276	6.599	6.501	6.449	6.747	6.205	6.634	6.601	6.838	6.607	6.549	6.766	6.671
1441786	at	NA	BB749805	NA	NA	5.840	5.812	5.988	5.824	5.833	5.878	5.824	5.812	5.877	5.812	5.877	5.812	5.877	5.812	5.877	5.812	5.877	5.812	5.877	5.812	5.877	5.812	5.877	5.812
1441787	at	NA	AW764198	NA	NA	6.540	6.117	6.732	6.711	6.630	6.667	6.737	6.430	6.289	6.654	6.917	6.423	6.774	6.602	6.705	6.983	6.575	6.713	6.871	6.072	6.957	6.262	7.922	7.007
1441788	s at	Dkc1	BB779105	Mm.291062	X	4.274	5.090	4.546	4.194	4.301	4.295	4.494	4.841	4.246	4.293	4.416	4.234	4.098	4.574	4.426	4.346	4.618	4.323	4.369	4.320	4.395	5.188	4.628	4.350
1441789	at	NA	AU040657	NA	NA	5.334	5.129	5.045	5.232	5.073	5.155	5.082	5.057	5.468	5.118	5.023	5.086	5.030	4.778	5.371	5.468	4.943	5.108	5.149	4.857	4.794	5.456	5.281	5.222
1441790	at	NA	AW489900	NA	NA	6.093	5.924	5.817	5.899	6.045	5.751	5.901	5.928	5.830	5.928	5.986	5.882	6.019	5.945	6.014	5.916	5.992	5.817	5.857	6.042	5.981	6.032	5.853	6.026
1441791	at	NA	AW490497	NA	NA	6.076	5.685	6.007	6.122	5.984	5.978	6.155	5.980	6.020	5.773	6.158	5.805	6.179	6.031	6.044	6.073	6.011	6.144	5.965	6.241	6.132	5.942	6.231	6.122
1441792	at	A630033E08Rk	BB786678	Mm.328828	17	5.417	5.336	5.437	5.532	5.613	5.241	5.464	5.575	5.218	5.471	5.040	5.339	5.227	5.202	5.307	5.595	5.793	5.478	5.367	5.502	5.458	5.494	5.317	5.729
1441793	at	Rntf9	BB824091	Mm.105324	17	5.180	4.732	4.960	5.013	4.770	4.959	4.752	4.939	4.700	4.705	4.929	4.964	4.941	4.776	5.315	4.934	5.074	4.949	4.918	5.089	5.122	4.868	4.947	5.048
1441794	at	NA	BB753662	NA	NA	5.185	5.095	5.070	5.250	5.293	5.254	5.031	5.164	5.211	5.247	5.199	5.247	5.214	5.097	5.043	5.123	5.094	5.226	5.154	5.092	5.956	5.046	5.025	5.987
1441795	at	Snad3	BF227278	Mm.207460	2	5.509	5.359	5.593	5.579	5.523	5.585	5.629	5.485	5.500	5.494	5.517	5.567	5.409	5.672	5.558	5.482	5.409	5.522	5.519	5.817	5.424	5.489	5.375	5.384
1441796	at	210309E21Rk	BF017486	Mm.4422972	6	6.489	6.775	6.765	6.591	6.754	6.385	6.629	7.012	7.114	6.462	6.569	6.846	6.809	6.628	6.458	6.696	6.685	6.722	6.779	6.504	6.609	6.992	6.475	6.207
1441797	at	NA	BB710625	NA	NA	6.372	7.140	6.612	6.799	5.881	6.954	6.558	6.435	6.724	6.677	6.966	6.118	6.511	6.148	6.442	6.791	6.537	6.537	6.359	6.712	6.740	6.299	6.616	6.499
1441798	at	NA	BE943681	NA	NA	7.390	7.211	7.302	7.355	7.100	7.307	7.244	7.551	7.500	7.141	7.339	7.300	7.568	7.341	7.269	7.137	7.537	7.532	7.366	7.401	7.341	7.354	7.389	7.193
1441799	at	6304422H21Rk	A108139	NA	17	7.549	8.070	6.889	7.225	9.169	7.487	6.203	5.942	6.327	6.317	6.231	6.376	6.298	6.058	5.709	6.746	5.729	5.857	5.638	6.204	5.589	6.593	8.342	8.458
1441800	at	Rabaaap1	BB817863	Mm.383192	2	4.090	4.090	4.167	3.954	3.956	4.108	3.982	4.003	3.928	3.964	4.153	4.039	4.024	3.962	3.984	4.143	3.933	3.977	3.866	3.981	3.933	3.959	3.925	3.979
1441801	at	NA	BB730712																										

1441849	at	NA	AV046184	NA	NA	8.792	8.389	8.670	8.794	8.508	8.682	8.802	8.482	8.394	8.429	8.605	8.546	8.526	8.600	8.643	8.595	8.729	8.814	8.597	8.911	8.699	8.635	8.739	8.721	
1441850	x	at	Tcn2	BB449960	Mm.20948	11	8.953	8.976	9.055	8.968	8.985	8.911	8.983	9.276	9.445	9.330	8.997	9.546	9.366	9.032	9.349	9.007	9.356	9.294	9.122	8.899	9.376	9.345	8.981	8.951
1441851	x	at	Ly6q6c	AV093537	Mm.215096	17	8.167	7.918	8.145	8.130	8.145	8.073	7.978	8.162	8.088	7.968	8.025	8.061	8.057	8.224	7.848	8.070	8.096	8.005	8.105	8.119	8.099	8.070	8.112	8.173
1441852	x	at	Ata161	BB038346	Mm.272972	1	4.245	4.352	4.371	4.414	4.486	4.376	4.545	4.566	4.316	4.357	4.377	4.286	4.377	4.265	4.394	4.293	4.668	4.597	4.533	4.548	4.463	4.776	4.601	
1441853	at	NA	BB236953	NA	NA	4	4.302	4.026	4.348	4.323	4.273	4.442	4.307	4.356	4.232	4.275	4.387	4.280	4.336	4.433	4.387	4.277	4.264	4.341	4.451	4.414	4.292	4.180	4.363	
1441854	at	NA	BB159143	NA	NA	NA	3.886	4.175	3.726	3.783	4.120	3.993	3.898	3.972	3.853	3.877	3.933	3.961	3.897	3.800	3.940	3.900	3.735	3.940	3.954	4.010	3.937	3.948	3.939	
1441855	x	at	Cxcl1	BB554288	Mm.21013	5	9.907	9.512	9.434	9.378	9.289	9.370	9.700	9.407	9.356	9.176	9.260	9.178	9.352	9.377	9.262	9.638	9.299	9.926	9.638	9.299	9.926	9.267	9.469	9.345
1441856	x	at	Tysnd1	AV259286	Mm.71514	10	10.471	10.080	10.410	10.261	10.313	10.353	10.345	10.532	10.286	10.301	10.212	10.423	10.209	10.357	10.341	10.332	10.677	10.607	10.483	10.441	10.692	10.654	10.459	10.422
1441857	x	at	Sehl1	BB435174	Mm.307315	18	4.836	4.596	5.113	4.457	4.673	5.032	4.997	4.560	4.696	4.693	4.930	4.631	4.637	4.763	4.998	4.736	4.582	5.190	4.989	5.035	4.804	4.640	4.479	5.024
1441858	at	NA	BB315798	NA	NA	NA	9.098	9.247	8.080	7.711	8.114	7.779	8.471	8.657	9.329	8.739	10.104	8.512	8.299	8.248	8.515	8.361	7.554	7.166	7.268	7.020	8.024	7.996	8.328	8.925
1441859	x	at	NA	BB167026	NA	NA	4.002	3.805	3.948	3.785	3.839	3.766	3.857	3.879	3.788	3.859	3.859	3.830	4.041	3.617	3.974	3.766	3.830	3.811	3.864	3.867	3.842	3.853	3.704	4.011
1441860	x	at	NA	BB311276	Mm.28366	19	9.261	8.967	9.450	9.407	9.617	9.082	9.294	9.280	8.875	9.114	8.980	9.506	9.061	8.824	9.259	9.365	9.366	9.314	9.250	9.139	9.430	9.796	9.308	9.544
1441861	at	NA	AV044666	Mm.130099	X	5	5.278	5.231	5.087	5.149	5.203	5.060	5.340	5.512	5.216	5.089	5.126	5.282	5.110	5.205	5.124	5.100	5.288	5.347	5.060	5.203	5.512	5.286	5.176	5.138
1441862	at	NA	Ppox	BB065446	Mm.266888	1	7.635	7.315	7.692	7.700	7.490	7.725	7.631	7.608	7.538	7.332	7.788	7.411	7.969	7.629	7.837	7.669	7.556	7.527	7.762	7.858	7.628	7.504	7.841	7.713
1441863	x	at	Krr13	AV089258	Mm.4646	11	6.719	5.825	6.405	6.396	6.152	5.851	6.532	6.266	5.983	6.101	6.341	5.996	5.963	5.735	6.277	6.357	6.260	6.411	5.965	6.488	6.473	6.635	6.367	6.621
1441864	x	at	Cenpa	BB100151	Mm.290563	5	6.456	6.131	6.440	6.181	6.107	6.590	6.616	6.276	5.950	6.142	6.266	5.843	6.174	6.397	6.518	6.522	6.112	6.457	6.508	6.605	6.401	6.000	6.363	6.512
1441865	at	NA	BB276924	NA	NA	NA	3.840	3.795	3.721	3.877	3.817	3.785	3.756	3.934	3.788	3.733	3.869	3.814	3.759	3.766	3.776	3.786	3.864	3.774	3.782	3.912	3.969	3.921	3.971	3.809
1441866	s	at	Ptdss1	BB526117	Mm.281464	13	11.317	11.509	11.198	11.308	11.269	11.419	11.672	11.450	11.547	11.618	11.186	11.798	11.376	11.587	11.376	11.085	11.174	11.126	11.180	11.149	11.278	11.174	11.329	11.127
1441867	x	at	4930534B04Rik	AI480494	Mm.312204	12	9.752	8.988	9.978	10.479	9.085	10.060	10.118	9.033	8.415	8.602	8.918	8.582	8.594	8.917	8.916	9.829	10.286	9.897	10.151	10.015	10.153	9.924	9.778	9.662
1441868	x	at	NA	Dcst2	Mm.316618	3	7.167	6.728	7.168	7.083	7.151	7.118	7.217	7.041	6.999	6.890	7.134	6.979	7.033	6.985	7.208	7.329	7.140	7.116	7.268	7.399	7.173	7.002	7.164	7.157
1441869	x	at	NA	BB025762	NA	NA	6.517	6.330	6.625	6.588	6.005	6.818	6.509	6.383	6.147	6.673	6.003	6.630	6.606	6.310	6.383	6.704	7.250	6.903	6.534	6.701	6.405	6.703	6.828	6.387
1441870	s	at	NA	BB249222	Mm.6442	5	11.595	11.653	11.625	11.448	11.842	11.741	11.476	11.729	12.023	12.280	11.764	12.257	12.424	11.993	12.241	11.580	11.065	11.279	11.315	11.334	11.369	11.290	11.600	11.550
1441871	at	NA	Pk10044D09Rik	AV057025	Mm.229265	6	9.667	9.431	9.735	9.784	9.475	9.427	9.655	9.504	9.542	9.364	9.407	9.399	9.496	9.654	9.347	9.584	9.431	9.249	9.410	9.545	9.628	9.501	9.592	9.522
1441872	x	at	NA	BB318357	NA	NA	5.504	5.180	5.443	5.430	5.242	5.416	5.340	5.343	5.537	5.291	5.246	5.222	5.047	5.293	5.366	5.264	5.339	5.369	5.349	5.415	5.384	5.468	5.385	5.419
1441873	at	NA	Pri7a1	AV225384	Mm.196424	13	5.243	4.701	5.255	5.018	4.803	5.013	5.026	4.771	4.723	4.545	5.145	4.724	4.909	4.856	4.853	4.975	4.984	5.040	5.235	5.238	4.985	4.739	4.836	5.234
1441874	x	at	Pri7a1	AV225384	Mm.196424	13	6.069	5.892	6.329	5.850	5.835	6.340	6.156	5.917	5.796	5.829	6.017	5.711	5.837	5.820	6.233	6.230	5.865	6.386	6.212	6.429	6.059	5.819	6.027	4.654
1441875	at	NA	Sc10063J08Rik	AV225384	Mm.196424	17	5.479	4.136	5.049	5.805	4.174	4.119	4.237	4.983	4.967	4.738	4.973	4.868	4.924	4.879	4.868	4.959	4.912	4.979	4.856	4.961	4.912	4.979	4.856	4.961
1441876	at	NA	Zltp93	BB454587	Mm.459431	1	5.974	5.137	6.062	5.845	6.034	6.055	6.076	6.172	6.071	6.816	6.247	6.057	5.883	5.951	6.101	6.374	6.477	6.329	6.168	6.078	6.145	6.237	6.102	
1441877	x	at	Tssc1	BB091313	Mm.273724	12	5.968	5.765	5.962	5.998	6.007	5.885	5.977	5.969	5.946	5.774	6.044	5.827	5.934	5.882	5.999	5.958	6.139	6.008	5.940	6.062	6.061	5.914	6.042	5.967
1441878	s	at	1810049H13Rik	BB401085	Mm.45063	11	9.125	8.722	8.920	9.058	8.914	9.043	9.187	9.927	8.459	8.429	8.586	8.968	8.617	8.168	8.603	8.938	10.513	10.036	9.257	9.347	10.027	10.486	9.091	9.102
1441879	x	at	Mkrr1	AV218897	Mm.270484	6	6.003	6.059	6.471	6.238	6.365	6.293	6.479	5.810	5.961	6.312	5.698	6.127	6.006	6.275	6.196	6.402	6.397	6.345	6.527	6.313	6.056	6.176	6.325	6.360
1441880	x	at	Tmem149	BB009770	Mm.333757	7	7.043	7.086	6.805	7.290	7.271	7.006	7.051	7.344	7.428	7.175	6.655	7.503	7.302	6.857	7.045	7.040	7.770	7.643	7.196	7.119	7.349	7.695	6.892	6.876
1441881	at	NA	3110032G18Rik	BB458454	Mm.296138	5	8.585	8.454	8.581	8.655	8.537	8.537	8.590	8.592	8.738	8.552	8.729	8.651	8.592	8.662	8.460	8.569	8.568	8.497	8.472	8.711	8.558	8.422	8.631	8.512
1441882	at	NA	NA	BB040523	NA	NA	7.174	6.722	7.343	7.268	6.996	6.955	7.149	7.096	6.950	7.024	6.985	6.971	6.948	7.025	7.087	7.080	7.044	7.139	7.152	7.116	7.215	6.991	7.214	7.385
1441883	at	NA	Sc100100I2Rik	BB269553	Mm.272957	18	7.232	7.232	7.028	7.230	7.231	6.618	7.231	7.238	7.154	7.537	7.354	7.238	7.327	7.578	7.358	7.237	7.232	7.253	7.232	7.232	7.232	7.232	7.232	7.232
1441884	x	at	Cx3cl1	BB278992	Mm.103711	8	6.653	6.649	6.834	6.665	6.844	6.620	7.021	7.048	6.833	6.607	6.933	6.798	6.904	6.849	6.677	6.743	6.780	6.855	6.646	6.817	6.747	6.627	6.411	6.644
1441885	s	at	NA	BB278809	NA	NA	5.593	4.794	6.008	5.179	4.440	5.345	4.616	4.746	4.362	4.613	4.669	4.496	4.223	4.386	4.972	5.880	5.655	5.418	5.195	5.400	5.194	5.453	5.402	5.027
1441886	at	NA	Ccdc79	BB085179	Mm.249775	8	4.442	4.352	4.371	4.317	4.252	4.392	4.357	4.311	4.173	4.279	4.396	4.462	4.415	4.380	4.358	4.281	4.327	4.601	4.281	4.594	4.106	4.345	4.378	4.323
1441887	x	at	NA	BB548587	Mm.426133	X	3.928	3.849	3.919	3.920	3.766	3.883	3.958	3.697	3.804	3.807	4.121	3.759	3.833	4.133	3.938	3.851	3.709	3.881	3.809	3.861	3.933	3.787	3.935	4.202
1441888	x	at	NA	BB289281	NA	NA	5.337	5.527	5.666	5.659	5.880	5.695	5.816	5.653	5.813	5.656	5.766	5.516	5.602	5.419	5.746	5.475	5.557	5.807	5.800	5.674	5.698	5.551	5.793	5.354
1441889	x	at	Racgap1	BB202117	Mm.273804	15	3.659																							

1441938	x	at	Cables1	BB071777	Mm.407117	18	6.636	6.691	6.740	6.910	6.820	6.757	6.795	6.854	6.957	6.901	6.911	6.936	6.920	6.530	6.771	6.775	6.933	6.822	6.513	6.436	7.199	7.305	7.007	6.702
1441939	x	at	AV21000316Rik	AV212592	NA	16	3.994	4.071	3.953	3.962	3.722	3.988	3.785	3.958	3.903	3.868	3.907	3.815	3.862	3.897	3.921	3.712	3.951	3.920	3.915	3.850	3.967	3.975	3.896	3.871
1441940	x	at	KlHdc8a	BB180603	Mm.39723	1	1.248	7.020	7.187	7.341	7.067	7.351	7.400	7.719	6.739	6.738	7.242	7.271	7.057	7.080	7.017	7.561	7.605	7.504	7.445	7.572	7.273	7.165	7.285	7.114
1441941	x	at	Serpinb5	AV171845	Mm.268618	1	3.691	3.597	3.638	3.626	3.688	3.631	3.574	3.594	3.624	3.558	3.702	3.660	3.718	3.545	3.701	3.649	3.442	3.755	3.737	3.894	3.592	3.744	3.650	3.595
1441942	x	at	Snupn	AV531209	Mm.220984	9	7.267	7.582	7.469	7.297	7.215	7.423	7.352	7.168	7.321	7.415	7.147	7.369	7.044	7.358	7.053	7.216	7.310	7.267	7.382	7.034	7.216	7.697	7.476	7.495
1441943	x	at	NA	AV324454	NA	9	9.603	9.381	9.351	9.153	9.164	9.039	9.228	9.232	9.186	9.299	9.116	9.056	9.431	9.116	9.298	9.303	9.444	9.281	9.406	9.562	9.326	9.455	9.212	
1441944	s	at	Gpr135	AV025452	Mm.390508	12	5.242	5.360	5.054	5.139	5.204	5.120	5.083	5.307	5.552	5.240	5.333	5.294	5.442	5.609	5.246	4.982	5.098	4.994	5.164	5.229	5.138	5.054	5.131	4.964
1441945	s	at	Abhd14a	AV009478	Mm.268925	9	9.175	9.336	9.082	9.110	9.263	9.162	9.187	9.543	9.402	8.948	8.931	9.548	9.405	9.049	8.857	8.942	9.942	9.773	9.263	9.021	9.549	9.849	8.958	8.977
1441946	s	at	Itih5	AV239669	Mm.313876	2	7.494	8.268	7.817	8.114	9.456	8.955	8.328	9.460	8.534	8.713	8.812	10.188	9.818	8.231	9.315	7.624	8.689	8.576	8.227	8.051	8.501	8.475	8.058	7.502
1441947	x	at	BC033915	BB327032	Mm.219459	9	10.167	9.536	10.291	9.892	9.587	9.989	9.691	9.722	9.084	9.374	9.667	9.411	9.124	9.986	9.509	10.188	9.795	9.797	9.467	9.546	9.879	9.944	10.082	9.769
1441948	x	at	Zfand3	AV343684	Mm.220972	17	10.877	10.893	10.883	10.988	11.048	10.938	10.884	10.936	10.939	11.073	10.744	11.147	11.027	10.830	11.127	10.895	10.992	11.083	10.981	10.852	10.993	11.199	11.033	11.155
1441949	x	at	Sic39a8	BB213740	Mm.21688	18	4.870	5.012	4.813	4.710	4.719	4.560	4.815	4.860	5.076	4.878	4.928	5.041	4.860	4.991	4.901	4.819	4.546	4.882	4.813	4.862	4.815	4.866	4.634	4.746
1441950	s	at	2010109A12Rik	AV064063	Mm.175504	5	7.877	7.487	7.616	7.867	7.597	7.723	7.618	7.833	7.670	7.514	7.823	7.325	7.701	7.772	7.655	7.669	7.698	7.673	7.913	7.792	7.605	7.532	7.849	7.622
1441951	s	at	2010109A12Rik	AV064063	Mm.175501	5	4.377	4.072	4.105	4.100	4.401	4.011	4.069	3.981	4.044	3.935	4.027	4.061	4.012	3.964	4.067	4.336	4.076	4.164	4.166	4.395	3.946	3.953	4.080	4.156
1441952	x	at	Lynn1	BB431070	Mm.257067	15	10.553	10.328	10.296	10.717	10.358	10.127	10.368	10.720	9.802	9.961	10.250	10.463	9.996	9.614	9.850	10.345	10.678	10.658	10.536	10.546	10.514	10.564	10.195	10.329
1441953	at		Stox2	BB003572	Mm.23973	8	7.209	7.017	7.171	7.154	7.179	6.958	6.934	7.183	7.211	7.220	6.914	7.366	7.383	6.982	7.254	6.964	7.198	7.161	6.967	7.051	7.102	7.443	6.935	6.894
1441954	s	at	H1fnt	AV265150	Mm.107718	15	5.532	5.228	5.547	5.761	5.464	5.135	5.473	5.639	5.581	5.313	5.719	5.363	5.437	5.405	5.354	5.449	5.721	5.524	5.520	5.500	5.601	5.681	5.622	5.620
1441955	s	at	Paip1	BB381990	Mm.132584	13	7.557	7.928	8.390	7.505	8.061	7.816	8.360	7.752	7.647	8.248	5.025	7.345	7.376	6.965	8.169	8.326	7.875	8.085	8.311	8.356	8.091	8.064	8.420	8.532
1441956	s	at	Cux1	BB025983	Mm.320317	5	6.237	6.469	6.620	6.512	6.608	6.394	6.496	6.464	6.459	6.628	6.206	6.443	6.381	6.319	6.491	6.379	6.396	6.073	6.187	6.172	6.448	6.687	6.416	6.334
1441957	x	at	2410076I21Rik	AV216663	Mm.205196	9	5.561	5.320	5.308	5.255	5.197	5.281	5.270	5.349	5.236	5.146	5.436	5.022	5.291	5.152	5.371	5.249	5.759	5.786	5.451	5.522	5.604	5.448	5.361	5.338
1441958	s	at	Auer	BB532535	Mm.3383	17	7.589	7.407	7.388	7.615	7.609	7.463	7.750	7.767	7.535	7.403	7.645	7.555	7.511	7.437	7.509	7.426	7.519	7.295	7.440	7.480	7.550	7.543	7.308	7.686
1441959	s	at	1200003C05Rik	BB028014	Mm.258935	12	10.471	10.551	10.808	10.568	10.535	10.882	10.738	10.393	10.387	10.516	10.200	10.629	10.582	10.539	10.605	10.776	10.694	10.771	10.804	10.899	10.547	10.689	10.315	10.507
1441960	x	at	5730494M16Rik	AV267590	Mm.263189	18	7.694	8.295	7.820	8.060	8.311	8.157	8.169	8.345	8.606	8.106	8.800	8.457	8.581	8.462	8.183	7.722	8.583	8.458	8.296	8.253	8.162	8.431	8.015	8.005
1441961	at		Mtap9	BB698742	Mm.271269	3	5.290	5.094	5.071	5.154	5.195	5.239	5.169	5.278	5.188	5.174	5.243	5.233	5.341	5.248	5.131	5.007	5.362	5.073	5.188	5.100	5.154	5.236	5.042	5.173
1441962	at		Alox5	BB079625	Mm.41072	6	7.987	7.810	8.025	8.296	7.906	8.209	8.213	7.826	7.821	7.656	7.740	7.854	7.743	7.813	7.833	8.028	7.986	8.040	8.059	8.002	8.248	8.177	8.081	8.057
1441963	at		RP23-100C5.8	BB427703	Mm.440130	2	7.885	7.735	7.889	7.858	7.876	7.809	7.807	7.657	7.838	7.834	7.625	7.932	7.833	7.880	7.686	7.887	7.987	7.985	7.871	7.829	7.869	7.938	7.788	8.006
1441964	at		11J0003F05Rik	BB130671	Mm.130934	17	11.899	9.522	9.780	9.717	10.350	9.430	9.671	9.594	9.671	9.384	9.675	9.304	9.722	9.016	9.359	10.502	10.941	10.809	10.357	10.357	10.414	10.987	10.816	10.492
1441965	at		AV280928	Mm.259642	10	4.411	4.268	4.047	4.033	4.163	4.103	4.269	4.384	4.093	4.203	4.291	4.364	4.316	4.164	4.325	4.185	4.351	4.474	4.098	4.274	4.284	4.300	4.267	4.157	4.284
1441966	at		Trpdc3	BB069272	Mm.131943	9	6.197	5.926	5.849	5.795	5.879	5.909	5.678	6.302	6.134	6.009	6.120	5.946	6.083	5.702	5.849	5.939	5.963	6.013	5.996	5.884	6.162	5.907	5.765	5.817
1441967	at		Pcdcl1	BB467791	Mm.290953	7	8.409	8.537	8.510	8.549	8.429	8.467	8.523	8.112	8.492	8.711	8.403	8.365	8.529	8.601	8.517	8.549	8.362	8.441	8.647	8.676	8.149	8.187	8.512	8.441
1441968	at		Tspan9	BB101988	Mm.21814	6	7.606	8.306	7.520	7.576	7.764	7.584	7.764	7.791	7.924	7.916	8.445	7.781	7.747	7.747	7.824	7.713	7.720	7.140	7.517	7.583	7.634	7.489	7.040	7.500
1441969	at		Trim36	BM933729	Mm.277382	18	6.561	6.561	6.509	6.459	6.542	6.397	6.496	6.584	6.358	6.376	6.245	6.249	6.312	6.375	6.425	6.626	6.714	6.419	6.646	6.698	6.518	6.413	6.617	6.289
1441970	at		E430010N07Rik	BB763470	Mm.466850	X	9.232	9.102	9.279	9.178	9.188	9.438	9.622	8.881	9.171	9.533	8.998	9.196	9.261	9.164	9.312	9.235	9.090	9.279	9.320	9.405	8.857	9.900	9.414	9.334
1441971	at		NA	AW543723	NA	NA	5.858	5.734	5.755	5.018	5.495	5.774	5.754	5.824	5.953	5.799	6.847	6.553	5.702	5.923	5.851	5.570	5.974	6.099	6.095	5.990	5.807	5.788	5.767	5.764
1441972	at		PC230424C14Rik	BB132327	Mm.475955	13	8.520	9.994	9.036	9.291	9.817	8.814	8.753	9.132	8.987	9.132	8.927	9.352	9.120	9.290	9.136	9.290	9.136	9.290	9.136	9.290	9.136	9.290	9.136	9.290
1441973	at		Zfp295	BB091040	Mm.458750	16	6.686	6.550	7.075	6.677	6.500	6.716	6.703	6.640	6.757	6.932	7.038	6.384	6.735	6.462	6.788	6.929	6.483	6.518	6.538	6.761	6.880	6.612	6.997	6.968
1441974	at		Camk4	BB209139	Mm.222329	18	4.679	4.368	4.496	4.562	4.523	4.536	4.898	4.457	4.457	4.371	4.517	4.424	4.507	4.426	4.550	4.496	4.559	4.467	4.708	4.601	4.478	4.500	4.757	4.650
1441975	at		Acnp	BB008092	Mm.19941	9	5.802	5.607	5.789	5.745	5.531	5.772	6.060	5.639	5.519	5.468	5.783	5.620	5.701	5.771	5.640	5.770	5.817	5.820	5.828	5.939	5.865	5.877	5.868	5.790
1441976	at		5430434G16Rik	AU040386	Mm.440854	15	8.146	8.263	8.051	7.974	8.106	7.991	7.952	8.190	8.119	7.994	8.260	8.259	8.277	7.883	7.887	7.931	8.023	8.001	7.748	7.717	8.122	8.102	7.951	7.782
1441977	at		9630023C09Rik	Ai049170	Mm.440172	11	9.280	9.339	9.423	9.463	9.362	9.356	9.210	9.544	9.517	9.571	9.186	10.071	9.788	9.545	9.740	9.282	9.33							

1442027	at	Nbeal1	BB223743	Mm.205224	1	9.855	9.809	9.820	9.764	9.920	9.851	9.858	9.916	9.815	9.969	9.753	10.178	10.081	9.765	10.124	9.850	9.892	9.839	9.839	9.925	9.941	9.834	9.831		
1442028	at	B4qalnt2	A1593864	Mm.340702	11	5.588	5.688	5.198	5.561	5.517	5.527	5.505	5.732	5.712	5.554	5.664	5.390	5.574	5.508	5.356	5.802	5.484	5.469	5.728	5.633	5.593	5.737	5.589	5.281	
1442029	at	Kcm1ot1	BM250850	Mm.356096	7	4.208	4.550	4.452	4.131	4.422	4.197	4.441	4.577	4.625	4.460	4.373	4.560	4.485	4.426	4.907	4.298	4.438	4.389	4.192	4.274	4.627	5.385	4.804	4.705	
1442030	at	NA	BB379905	NA	NA	5.844	5.965	5.633	5.708	5.907	5.780	5.711	5.892	5.871	5.802	5.949	5.808	6.093	6.105	5.849	5.733	5.858	5.845	6.006	5.819	5.822	5.589	5.846	5.799	
1442031	at	Cdc109a	AV256728	Mm.296470	10	5.387	5.429	5.239	5.247	5.347	5.316	5.391	5.445	5.396	5.387	5.335	5.495	5.432	5.249	5.440	5.434	5.464	5.389	5.249	5.431	5.414	5.441	5.376	5.265	
1442032	at	BC030500	AV328055	Mm.392444	8	5.650	5.694	5.868	5.673	5.572	5.572	5.585	5.592	5.452	5.672	5.755	5.378	5.571	6.040	5.610	5.577	5.658	5.669	5.751	5.562	5.708	5.657	5.716	5.645	
1442033	at	C1ctn9r	AV373879	Mm.319636	14	9.462	8.835	9.524	9.600	9.911	9.349	9.421	9.479	8.517	8.931	9.259	9.403	9.400	9.044	9.576	9.568	9.706	9.668	9.464	8.955	9.820	10.204	9.960	9.634	
1442034	at	Fastkt1	BE957020	Mm.289566	2	8.058	8.207	8.096	8.104	8.024	8.067	8.139	8.182	8.049	7.930	8.046	8.138	8.108	7.908	8.034	8.116	8.538	8.168	8.150	8.404	8.292	8.375	8.237	8.298	
1442035	at	Chnra2	BB326058	Mm.103778	9	4.432	4.437	4.560	4.418	4.383	4.441	4.530	4.430	4.429	4.437	4.440	4.324	4.398	4.482	4.338	4.473	4.569	4.352	4.704	4.486	4.398	4.386	4.439	4.357	
1442036	a	at	NA	AW489209	NA	NA	8.108	7.817	7.849	8.055	7.900	7.638	7.997	8.175	8.166	8.035	8.027	7.970	8.095	7.948	7.982	7.964	8.275	8.136	8.020	8.092	8.208	8.049	8.033	8.026
1442037	at	NA	AW489209	NA	NA	NA	4.943	4.953	4.920	5.021	4.815	4.903	5.033	4.945	4.924	4.834	4.924	4.886	4.963	5.062	4.896	4.970	5.032	5.073	4.921	4.891	5.022	4.830		
1442038	at	Rbm26	AV134514	Mm.291542	14	8.897	9.131	8.707	8.781	8.941	8.883	8.802	9.192	9.248	8.882	9.093	9.192	9.155	8.765	8.845	8.748	9.374	9.238	8.917	8.818	9.323	9.303	8.818	8.669	
1442039	at	Tox	BF020502	Mm.475139	4	5.343	5.006	5.306	5.136	5.301	5.121	5.258	5.391	5.071	5.313	5.244	5.302	5.018	5.021	5.332	5.385	5.599	5.403	5.557	5.379	5.500	5.541	5.312	5.314	
1442040	at	Tmem125	AW060767	Mm.23639	4	5.919	5.325	5.686	5.563	5.595	5.624	5.669	5.488	5.682	5.573	5.687	5.393	5.681	5.501	5.599	5.897	5.690	5.816	5.658	5.797	5.677	5.577	5.691	5.755	
1442041	at	LOC552876	BB373645	Mm.453429	NA	5.449	5.545	5.749	5.801	5.881	5.706	5.706	5.589	5.685	5.825	5.719	6.080	6.239	5.703	5.754	5.712	5.537	5.696	5.784	5.646	5.685	5.630	5.674	5.981	
1442042	at	NA	BG092211	NA	NA	7.813	7.539	7.744	7.796	7.640	7.639	7.856	7.666	7.741	7.600	7.755	7.819	7.702	7.665	7.612	7.782	7.848	7.801	7.735	8.077	7.759	7.699	7.788	7.997	
1442043	at	Lhfp4	A1837076	Mm.37943	6	5.803	5.446	5.914	5.735	5.601	5.773	5.950	5.643	5.538	5.624	5.745	5.622	5.737	5.522	5.593	5.834	5.611	5.868	5.813	5.857	5.748	5.610	5.780	5.914	
1442044	at	NA	BM242890	NA	NA	4.276	4.505	4.584	4.323	4.355	4.653	4.413	4.435	4.229	4.421	4.461	4.629	4.366	4.402	4.491	4.608	4.302	4.410	4.166	4.408	4.760	4.847	4.654		
1442045	at	NA	BB159466	NA	NA	6.040	5.845	5.779	6.008	5.986	6.156	5.959	5.880	5.972	5.917	5.887	5.801	5.816	5.911	5.912	5.888	5.856	6.263	6.184	5.986	5.904	5.859	6.010	6.030	
1442046	at	Shroom2	BM119167	Mm.40796	X	7.065	7.090	7.144	6.943	7.068	7.004	7.248	7.173	7.211	7.065	7.042	6.842	6.943	6.935	7.080	7.048	7.043	7.105	6.877	7.175	6.952	6.854	6.975	7.140	
1442047	at	Rreb1	AW543242	Mm.132634	13	7.806	7.500	7.443	7.534	7.477	7.472	7.604	7.528	7.389	7.337	7.881	7.496	7.519	7.327	7.362	7.579	7.731	7.507	7.606	7.758	7.691	7.546	7.598	7.522	
1442048	at	Rnf11	BB078696	Mm.127605	4	6.740	6.688	6.768	6.683	6.612	6.600	6.837	6.377	6.436	6.844	6.511	6.702	6.460	6.496	6.761	6.688	6.723	6.549	6.815	6.665	6.645	6.922	6.900	7.330	
1442049	at	NA	BM237750	NA	NA	6.260	5.914	6.174	6.112	6.338	6.019	6.216	5.976	6.392	6.357	6.516	6.209	6.575	6.228	6.109	6.246	5.841	5.919	6.003	6.012	6.270	6.170	6.207	6.035	
1442050	at	Zfp608	AV274175	Mm.192984	18	7.795	7.974	7.857	8.088	8.225	7.821	7.969	8.500	8.376	8.165	8.080	8.494	8.711	8.454	8.173	7.913	8.373	8.215	8.225	8.129	8.091	8.257	7.810	7.746	
1442051	at	Hist2h3c1	BE691662	Mm.83293	3	8.355	8.199	8.704	8.570	8.820	8.820	7.991	8.383	9.134	9.449	8.403	8.553	8.956	8.868	8.763	8.756	8.285	8.109	8.110	8.348	8.772	8.840	8.875	8.786	
1442052	at	NA	BM940173	NA	NA	6.329	6.140	6.118	6.147	6.162	6.338	5.951	6.185	6.290	6.101	6.268	6.004	6.217	6.204	6.083	6.183	5.969	5.877	6.063	5.932	5.993	6.054	6.066	5.871	
1442053	at	NA	NA0897	NA	NA	5.464	5.766	5.853	5.578	5.853	5.583	5.778	5.863	5.630	5.815	5.943	6.115	5.846	5.793	5.909	5.840	5.998	6.140	5.989	6.058	5.933	5.893	5.833		
1442054	at	NA	BG092264	NA	NA	7.461	7.460	7.433	7.433	7.467	7.458	7.477	7.171	7.129	7.307	7.175	7.079	7.175	7.079	7.175	7.079	7.175	7.079	7.175	7.079	7.175	7.079	7.175	7.079	
1442055	at	NA	AA015094	NA	NA	7.900	7.185	7.699	7.820	7.774	7.637	7.746	7.786	7.614	7.584	7.863	7.735	7.611	7.705	7.720	7.819	7.627	7.616	7.626	7.870	7.835	7.693	7.835	7.781	
1442056	at	NA	BE200446	NA	NA	7.396	7.129	7.482	7.420	7.745	7.341	7.594	7.678	7.560	7.563	7.390	7.955	7.614	7.832	7.870	7.381	7.832	7.543	7.329	7.533	7.732	7.443	7.330	7.305	
1442057	at	AA986695	AA986695	Mm.441818	1	7.388	7.011	7.403	7.246	7.190	7.322	7.221	7.226	7.226	6.977	7.310	7.310	7.288	7.226	7.325	7.435	7.047	7.142	7.517	7.473	7.255	7.254	7.327	7.270	
1442058	s	at	Psmc3ip	BE687992	Mm.18344	11	6.269	6.919	6.810	6.065	6.323	6.444	6.348	6.613	5.921	5.962	6.151	6.200	6.129	6.245	6.066	6.086	6.624	6.448	6.344	5.945	6.311	6.911	6.131	6.098
1442059	at	Fxr1	BB385925	Mm.259021	3	6.623	6.690	7.049	6.819	6.553	6.930	6.894	6.352	6.610	6.760	6.504	6.482	6.051	6.422	6.706	6.917	6.598	6.700	6.628	6.488	6.461	6.702	6.916	7.003	
1442060	at	Prepl	BB224442	Mm.259035	17	4.444	4.106	4.307	4.038	3.840	4.268	4.285	4.209	3.820	3.724	4.165	3.977	3.811	3.896	3.996	4.256	4.053	4.207	4.055	4.019	4.095	4.247	4.106	4.136	
1442061	at	Birc9	BB039930	Mm.276541	12	7.590	7.936	7.943	7.939	7.393	7.056	7.216	7.451	7.715	7.393	7.442	7.521	7.302	7.453	7.673	7.393	7.413	7.469	7.393	7.393	7.393	7.393	7.393	7.393	
1442062	at	7120426M23Rik	AV232667	Mm.152699	18	8.418	8.207	8.609	8.455	8.233	8.392	8.422	8.328	8.327	8.429	8.304	8.378	8.583	8.414	8.480	8.533	8.664	8.576	8.758	8.703	8.468	8.469	8.503	8.632	
1442063	at	Adamts1l	AV380797	Mm.331690	4	5.274	4.776	4.953	4.706	5.209	4.940	4.774	4.748	5.371	5.080	4.714	5.324	5.344	4.954	4.968	4.976	5.124	4.942	5.001	4.734	4.839	5.089	5.056	4.927	
1442064	at	AV565556	A1452057	Mm.404584	17	8.196	7.846	8.250	7.937	7.574	7.954	8.418	7.757	7.802	7.892	7.945	7.918	7.792	7.496	7.878	8.082	7.841	7.891	7.655	7.700	7.911	7.735	7.984	7.889	
1442065	at	Arhaap17	BM938105	Mm.403318	7	7.202	7.058	7.136	7.297	7.077	7.052	7.228	7.378	7.409	7.259	7.146	7.270	7.746	7.400	7.408	7.154	7.274	7.212	7.373	7.293	7.307	7.461	7.289	7.191	
1442066	at	C530028O21Rik	BB770053	Mm.295327	6	8.316	7.667	7.067	8.082	7.973	8.009	7.977	7.763	7.844	7.783	7.941	7.690	7.947	7.817	7.727	8.089	7.967	8.166	8.104	8.110	8.133	8.084	8.050	8.085	
1442067	at	NA	BB468437	NA	NA	6.164	6.174	6.050	6.233	6.627	6.211	6.017	6.017	6.161	6.399	5.733	5.984	6.703	6.031	5.997	6.094	6.097	5.810	5.612	6.100	6.019	5.863	5.772	5.773	
1442068	at	NA	BB224442	Mm.259035	17	4																								

1442116	at	Gpr176	BB311924	Mm.70979	2	6.728	8.078	6.709	6.584	8.018	6.695	6.878	6.940	9.351	9.134	8.347	9.015	8.350	8.067	6.710	6.501	6.442	6.566	6.393	6.753	6.093	6.505	6.586		
1442117	at	NA	BF470880	NA	NA	5.948	5.924	5.974	5.998	5.705	5.814	6.004	5.832	5.898	5.716	5.955	5.802	6.038	5.806	5.893	5.738	5.948	5.820	5.915	6.033	6.078	5.875	5.694	5.863	
1442118	at	NA	AW215795	NA	NA	8.413	8.265	8.274	8.105	8.172	8.453	8.123	8.407	8.938	8.515	8.407	8.520	8.508	8.657	8.190	8.275	8.212	8.057	7.736	8.001	8.199	8.167	7.987	7.915	
1442119	at	NA	A4149212	MM.440932	5	7.604	7.227	7.692	7.637	7.737	7.710	7.773	7.338	7.237	7.532	6.968	7.671	7.628	7.629	7.679	7.690	8.042	8.210	7.961	8.186	7.845	8.074	7.770	7.668	
1442120	at	ENSMUSG000000	AA153293	NA	12	4.938	4.643	4.820	4.887	4.460	4.596	4.701	4.690	4.676	4.540	4.765	4.664	4.758	4.654	4.640	4.725	4.796	4.650	4.654	4.658	4.680	4.641	4.517		
1442121	at	App21	BB234224	Mm.297444	9	4.637	4.781	4.583	4.745	4.720	4.685	4.535	4.651	4.624	4.489	4.991	4.624	4.609	4.604	4.621	4.635	4.504	4.841	4.541	4.851	4.458	4.458	4.576	4.458	
1442122	at	NA	BG791356	Mm.395538	X	6.982	7.059	7.071	6.948	7.139	6.975	7.072	7.125	7.217	6.970	6.991	6.996	7.140	7.213	7.077	6.978	6.848	7.069	7.217	7.059	7.192	6.949	7.054	6.987	
1442123	at	2010012P19Rik	AW909226	Mm.442166	11	6.934	6.267	6.566	6.609	6.569	6.653	6.568	6.720	6.667	6.259	6.938	6.517	6.743	6.616	6.673	6.708	6.514	6.707	6.727	6.684	6.879	6.496	6.744	6.605	
1442124	at	NA	BG797231	NA	NA	9.000	8.482	9.015	9.155	8.934	8.860	8.934	8.757	8.562	8.628	8.811	9.039	8.869	8.563	8.775	8.984	9.090	9.070	9.019	9.101	9.191	9.319	9.127	9.163	
1442125	at	Krit1	BE332754	Mm.32368	5	5.496	5.258	5.141	5.157	5.152	5.541	5.206	5.207	5.280	5.248	5.390	5.301	5.191	5.088	5.192	5.237	5.280	5.257	5.127	5.293	5.080	5.445	5.252	4.986	
1442126	at	NA	AI464148	NA	NA	6.724	6.539	6.702	6.612	6.576	6.949	6.755	6.780	6.594	6.842	6.703	6.776	6.664	6.585	6.819	6.680	6.870	6.685	6.923	7.005	6.985	7.078	6.986	6.696	
1442127	at	NA	BB022053	NA	NA	6.579	6.483	6.652	6.661	6.561	6.579	6.666	6.650	6.619	6.592	6.752	6.567	6.561	6.499	6.638	6.765	6.643	6.621	6.662	6.644	6.728	6.564	6.513	6.656	
1442128	at	NA	AW494160	NA	NA	7.088	7.252	7.276	7.468	7.246	7.417	7.166	7.218	7.464	7.161	7.238	7.205	7.193	7.032	7.332	7.257	7.455	7.186	7.237	7.237	7.315	7.557	7.135		
1442129	at	1810058124Rik	AI848234	Mm.228046	6	9.296	9.073	9.457	9.547	9.477	9.594	9.358	9.171	8.873	9.197	8.782	9.246	9.194	8.854	9.398	9.479	9.482	9.423	9.409	9.602	9.323	9.290	9.472	9.366	
1442130	at	Hsh2d	BG091940	Mm.157431	8	6.215	6.023	5.819	6.135	5.980	6.031	6.003	6.151	5.887	5.659	5.993	5.800	6.006	5.953	6.014	6.059	5.997	5.906	6.069	6.035	6.022	6.044	5.987	6.187	
1442131	at	1700048M11Rik	BF152906	Mm.443304	16	5.907	5.724	5.794	5.812	5.922	5.617	5.785	5.710	5.792	5.668	5.794	5.741	5.975	5.816	5.813	5.791	5.870	5.877	5.710	5.782	6.019	5.917	5.821	5.934	
1442132	at	NA	BG230108	NA	NA	8.615	8.350	8.490	8.539	8.622	8.516	8.528	8.502	8.497	8.385	8.490	8.355	8.470	8.396	8.455	8.533	8.469	8.513	8.529	8.525	8.695	8.617	8.728	8.520	
1442133	at	Ado	AI661805	Mm.297250	10	6.475	6.526	6.352	6.558	6.458	6.382	6.497	6.641	6.752	6.621	6.405	6.412	6.602	6.504	6.423	6.268	6.492	6.492	6.492	6.445	6.553	6.650	6.437	6.355	
1442134	at	Prk11	BB815146	Mm.132381	11	5.975	6.337	6.114	6.015	6.084	5.855	6.121	6.416	6.387	6.192	6.240	6.210	6.156	6.439	6.328	6.061	5.968	5.780	6.019	6.073	6.070	6.038	6.163	6.022	
1442135	at	Ado	AA839814	Mm.297250	10	7.912	8.034	7.785	7.804	7.941	7.966	8.062	7.952	8.043	8.164	7.899	8.090	8.222	8.244	7.940	7.948	8.016	7.976	8.143	7.856	7.971	7.888	7.830	7.740	
1442136	at	Ankbb1	AI481031	Mm.130148	5	4.215	4.164	4.194	4.095	4.124	4.194	4.151	4.052	4.200	4.232	4.358	4.081	4.243	4.119	4.217	4.188	4.163	4.200	4.242	4.401	4.220	4.207	2.462	4.648	
1442137	at	2010000030Rik	BB653800	Mm.380486	X	8.505	8.135	8.273	8.390	8.406	8.222	8.316	8.509	8.324	8.239	8.342	8.211	8.315	8.291	8.216	8.361	4.444	8.384	8.272	8.424	8.441	8.587	8.427	8.230	
1442138	at	Gpr62	BE955672	Mm.326268	9	5.396	5.509	5.524	5.536	5.645	5.407	5.638	5.586	5.536	5.551	5.531	5.392	5.484	5.595	5.571	5.464	5.383	5.454	5.572	5.536	5.618	5.422	5.702	5.594	
1442139	at	NA	BB077449	NA	NA	4.385	4.181	4.220	4.134	4.377	4.014	4.155	4.115	4.164	4.116	4.294	4.114	4.139	4.039	4.077	4.273	4.232	4.109	4.323	4.265	3.942	4.212	4.185	4.221	
1442140	at	Tnn	AI591634	Mm.90140	1	6.768	6.671	6.646	6.698	6.696	6.796	6.728	6.687	6.768	7.042	6.845	7.005	6.697	6.885	6.895	6.800	6.760	6.664	6.747	6.819	7.130	6.683	6.680	6.981	6.736
1442141	at	BC028454	BF662057	Mm.436819	9	8.353	8.256	8.360	8.480	8.243	8.553	8.345	8.277	8.225	8.350	7.663	8.235	8.267	8.160	8.334	8.350	8.363	8.329	8.562	8.412	8.229	8.474	8.529	8.340	
1442142	at	2700050.05Rik	BB384061	Mm.174044	9	7.855	5.688	6.951	7.814	7.823	5.482	7.856	7.754	5.536	5.586	5.587	5.586	5.587	5.582	5.686	5.558	5.558	5.558	5.558	5.558	5.558	5.555	5.555	5.567	
1442143	at	NA	AI463477	Mm.236464	10	6.915	7.316	6.882	6.871	6.243	7.333	6.958	6.97	7.151	7.023	6.623	6.935	6.582	6.887	6.935	6.935	6.935	6.935	6.935	6.935	6.935	6.935	6.935	6.935	
1442144	at	Emd1	BF165671	Mm.840	11	7.181	7.067	7.002	7.110	6.943	7.073	7.011	7.309	7.082	6.805	7.116	6.997	7.137	7.109	7.126	7.176	7.125	7.112	7.128	7.246	7.093	7.289	7.186	7.054	
1442145	at	Atd13a3	BG064656	Mm.8924	16	8.486	8.520	8.482	8.422	8.862	8.550	8.550	8.625	9.497	9.433	9.382	8.970	8.886	9.365	8.785	8.463	8.364	8.333	8.635	8.405	8.470	8.400	8.499	8.498	
1442146	at	NA	BG069747	NA	NA	7.741	7.619	7.705	7.766	7.762	7.746	7.734	7.896	7.724	7.731	7.650	7.895	7.699	7.678	7.778	7.867	7.496	7.733	7.794	7.792	7.753	7.753	7.753	7.721	
1442147	at	NA	BE948264	NA	NA	7.423	7.085	7.567	7.367	7.593	7.478	7.474	7.369	7.610	7.104	7.425	7.239	7.490	7.509	7.310	7.385	7.473	7.262	7.553	7.536	7.368	7.487	7.569	7.226	
1442148	at	Psp1	BB074968	Mm.105331	4	8.936	8.558	8.614	8.675	8.807	8.729	8.693	8.749	8.685	8.934	8.773	8.755	8.753	8.804	8.916	8.623	8.867	8.603	9.081	8.680	8.931	8.564	8.642	8.495	
1442149	at	Tbc1d16	BB352105	Mm.205263	11	8.665	8.107	8.522	8.487	8.244	8.136	8.119	8.198	7.966	7.924	7.997	8.057	7.973	7.817	8.138	8.493	8.164	8.485	8.220	8.279	8.458	8.492	8.347	8.306	
1442150	at	NA	AI494160	NA	NA	7.532	7.450	7.651	7.642	7.993	7.586	7.535	7.952	8.016	8.026	8.091	7.923	8.228	7.993	8.287	8.173	8.287	8.173	8.287	8.173	8.287	8.173	8.287	8.173	
1442151	at	B230040A04Rik	BM238456	Mm.193588	13	6.656	6.531	6.736	6.482	6.680	6.685	6.577	6.452	6.535	6.635	6.400	6.526	6.434	6.175	6.589	6.596	6.614	6.408	6.418	6.579	6.424	6.500	6.687	6.422	
1442152	at	4930513N10Rik	BB243292	Mm.386996	8	5.298	5.086	5.149	5.175	5.295	5.184	5.139	5.231	5.262	5.152	5.355	5.163	5.289	5.229	5.045	5.104	5.480	5.271	5.102	5.362	6.334	5.210	5.206	5.245	
1442153	at	NA	BB206087	NA	NA	7.811	7.622	7.845	7.684	7.764	7.663	7.714	7.639	7.706	7.699	7.645	7.547	7.542	7.567	7.553	7.715	7.484	7.654	7.752	7.817	7.568	7.418	7.791	7.621	
1442154	at	Zrsr2	BO031782	Mm.426178	X	6.590	6.534	6.637	6.583	6.668	6.692	6.600	6.660	6.811	6.533	6.647	6.616	6.647	6.647	6.647	6.647	6.647	6.647	6.647	6.647	6.647	6.647	6.647	6.647	
1442155	at	4632427E13Rik	BB456609	Mm.292102	7	7.189	6.852	7.106	6.742	6.834	7.032	6.832	6.770	6.613	6.988	6.795	6.848	6.793	6.555	6.695	7.211	7.069	6.819	6.603	6.737	6.810	6.911	6.875	6.836	
1442156	at	E030030106Rik	BB664243	Mm.177746	10	4.091	3.951	4.125	4.144	4.185	4.038	3.991	4.175	4.290	4.028	4.138	4.144	4.196	4.033	4.144	4.098	4.263	4.176	4.018	4.206	4.248	4.144	4.267	4.202	
1442157	at																													

1442205	at	NA	AW455994	NA	5.737	5.464	6.053	5.877	5.644	5.790	5.967	6.002	5.807	5.624	5.809	5.543	5.886	5.751	6.008	5.850	5.781	5.825	5.970	5.813	5.894	5.647	5.868	6.060	
1442206	at	Mdqa2	AI839535	Mm.341609	12	6.206	6.058	6.414	6.198	6.182	5.990	6.128	6.246	6.021	6.229	6.192	6.159	6.142	6.133	6.199	6.212	6.158	6.015	6.204	6.056	6.299	6.300	6.001	6.077
1442207	at	Ata161d	BB283202	Mm.275744	7	4.755	4.592	4.675	4.776	4.662	4.612	4.703	4.611	4.919	4.400	4.699	4.622	4.608	4.898	4.755	4.572	4.545	4.643	4.855	4.524	4.760	5.035	4.627	4.562
1442208	at	Scn8a	BE986535	Mm.385012	15	7.251	6.952	7.138	7.184	7.126	7.046	7.253	7.011	7.037	6.937	7.177	7.107	7.062	7.146	7.172	7.171	7.159	7.351	7.185	7.659	7.364	7.063	7.368	7.126
1442209	at	Prx2	BB251018	NA	7	7.819	7.247	7.496	7.715	7.359	7.555	7.556	7.616	7.658	7.389	7.544	7.541	7.325	7.692	7.462	7.687	7.612	7.477	7.696	7.913	7.730	7.697	7.709	7.687
1442210	at	Prox2	AV273577	Mm.311944	12	4.719	4.462	4.623	4.681	4.584	4.481	4.532	4.309	4.487	4.646	4.536	4.668	4.484	4.502	4.399	4.593	4.440	4.935	4.422	4.846	4.897	4.466	4.406	4.720
1442211	at	C78893	BB284193	Mm.438835	4	4.829	4.782	4.931	4.824	4.904	4.906	5.085	4.973	4.994	4.932	4.958	4.954	4.914	4.870	4.926	5.001	4.958	4.943	4.812	4.914	5.170	4.863	4.506	4.986
1442212	at	Lpd	BB519218	Mm.276736	11	6.572	6.699	6.663	6.832	7.173	6.943	6.961	6.693	7.284	7.227	6.861	7.018	7.207	6.843	6.911	6.818	6.690	6.676	6.964	6.744	6.827	6.887	6.646	6.753
1442213	at	LOC552908	BB344065	Mm.438548	NA	5.601	5.279	5.692	5.590	5.531	5.557	5.752	5.455	5.327	5.510	5.687	5.028	6.023	5.655	5.573	5.966	5.661	5.604	5.444	5.790	5.570	5.593	5.459	5.021
1442214	at	NA	BG173293	NA	NA	9.421	9.060	9.112	9.011	9.289	9.341	9.016	9.318	9.151	9.386	8.937	9.424	9.612	9.369	9.369	9.168	9.382	9.250	9.251	9.372	9.414	9.568	8.947	8.856
1442215	at	Smo	BB544194	Mm.29279	6	4.436	4.657	4.833	4.784	4.567	4.727	4.591	4.548	4.324	4.460	4.444	4.638	4.585	4.357	4.919	4.455	4.860	4.830	5.057	4.731	4.481	4.855	4.647	4.416
1442216	at	NA	AU043006	NA	NA	8.248	8.081	8.205	8.098	8.146	8.072	8.179	7.975	8.163	7.968	7.937	8.045	8.073	8.077	8.107	8.199	7.963	8.049	7.937	8.006	8.232	8.216	8.240	8.081
1442217	at	NA	AV367287	NA	NA	8.394	8.005	8.428	8.545	8.405	8.464	8.187	7.868	8.120	8.206	8.013	8.200	8.191	8.074	8.190	8.569	8.135	7.883	8.248	8.116	8.146	8.387	8.308	8.457
1442218	at	Map3k9	BM201230	Mm.35284	12	6.320	5.908	6.039	6.099	6.031	5.972	6.023	6.082	6.024	5.715	6.327	5.838	5.775	6.026	6.077	6.090	6.128	6.050	5.945	6.057	6.009	5.883	6.099	6.196
1442219	at	NA	BB218965	NA	NA	4.035	4.014	4.018	3.975	4.059	4.041	4.003	4.123	4.066	4.012	4.148	3.972	4.028	4.001	4.042	3.982	4.018	4.111	4.062	4.178	4.043	4.149	4.127	4.207
1442220	at	NA	BB313387	NA	NA	3.973	3.749	3.869	3.584	3.644	3.828	3.756	3.739	3.640	3.794	3.796	3.628	3.803	3.767	3.800	3.797	3.733	3.804	3.729	3.910	3.839	3.609	3.693	3.772
1442221	at	NA	BE956787	NA	NA	4.964	4.911	4.837	4.994	5.087	4.977	4.867	5.115	5.003	4.971	5.162	4.975	4.912	5.121	5.217	5.024	5.046	4.857	5.019	5.095	4.905	4.746	5.029	5.196
1442222	at	Ifnar1	BB206335	Mm.502	16	6.720	7.102	6.755	7.064	7.100	7.114	6.721	7.160	7.383	7.151	6.699	7.113	7.102	6.936	7.115	6.765	7.187	7.056	6.970	6.966	7.044	7.294	7.109	6.876
1442223	at	Enah	AV329519	Mm.87759	1	10.041	9.268	9.308	8.382	9.969	9.061	9.801	9.128	9.365	9.635	10.377	8.928	9.131	9.058	9.450	9.338	8.053	7.959	8.114	8.014	9.011	8.928	8.999	10.163
1442224	at	NA	BE952888	NA	NA	6.534	6.459	6.645	6.825	6.647	6.465	6.687	6.796	6.730	6.709	6.911	6.665	6.974	6.666	6.764	6.509	6.549	6.784	6.646	6.711	6.676	6.424	6.139	6.691
1442225	at	NA	BE952870	NA	NA	6.190	6.012	6.244	6.232	6.186	6.148	6.365	6.379	6.222	5.894	6.378	6.092	6.167	6.271	6.134	6.433	6.171	6.043	6.390	6.309	6.248	6.083	6.322	6.206
1442226	at	Sema3e	AV348197	Mm.134093	5	5.545	5.604	5.839	5.746	5.639	5.819	5.952	5.603	5.807	5.600	5.521	5.560	5.848	5.784	5.830	5.805	5.610	5.821	5.927	5.720	5.810	5.704	5.905	6.029
1442227	at	NA	BB456486	NA	NA	4.465	4.378	4.585	4.711	4.559	4.432	4.679	4.433	4.556	4.657	4.533	4.418	4.479	4.540	4.602	4.787	4.659	4.757	4.661	4.554	4.604	4.482	4.387	4.540
1442228	at	D630036G22Rik	AI551284	NA	1	6.334	6.160	6.150	6.278	6.079	6.070	6.196	6.101	6.203	6.072	6.124	6.185	6.192	6.170	6.138	6.227	6.208	6.064	6.042	6.239	6.176	6.219	6.205	6.308
1442229	at	Pax9	AV227998	Mm.5035	12	4.100	3.935	4.012	3.931	3.972	3.936	4.091	4.135	4.026	3.919	4.108	4.043	4.058	4.036	4.014	4.119	4.299	4.037	4.071	4.102	4.096	4.013	3.998	4.108
1442230	at	NA	BG081925	NA	NA	4.861	4.705	4.639	4.779	4.704	4.679	4.792	4.819	4.668	4.625	4.851	4.557	4.758	4.694	4.755	4.760	4.813	4.491	4.806	5.049	4.783	4.701	4.799	4.808
1442231	at	NA	AI016248	NA	7	4.610	4.558	4.610	4.578	4.476	4.712	4.575	4.751	4.427	4.575	4.751	4.427	4.575	4.688	4.460	4.585	4.480	4.585	4.480	4.585	4.480	4.585	4.480	4.585
1442232	at	CS50025M09Rik	BI133949	Mm.389371	2	4.466	4.351	4.247	4.463	4.493	5.263	4.534	5.279	5.222	4.354	5.279	5.222	4.354	5.279	5.222	4.354	5.279	5.222	4.354	5.279	5.222	4.354	5.279	5.222
1442233	at	NA	BE853428	NA	NA	6.066	7.008	6.321	6.390	6.391	6.536	6.596	6.164	7.328	7.227	6.611	6.658	6.725	6.921	6.496	6.250	5.879	6.422	6.298	6.308	6.294	6.326	6.028	6.118
1442234	at	Chst2	BB770422	Mm.212446	9	4.694	4.433	4.556	4.615	4.473	4.417	4.595	4.387	4.802	4.382	4.596	4.520	4.378	4.673	4.622	4.420	4.573	4.622	4.479	4.630	4.725	4.508	4.659	4.667
1442235	at	Plagl2	BF584971	Mm.103199	2	5.650	6.030	5.954	5.749	5.696	6.089	6.008	5.472	5.770	5.760	5.668	5.793	5.707	5.974	6.083	6.057	5.811	5.843	5.736	5.877	5.809	5.415	6.030	5.794
1442236	at	NA	BB466174	Mm.209349	7	4.085	4.125	4.118	4.132	4.081	4.165	4.071	3.887	4.035	4.105	4.063	3.991	4.156	4.041	4.080	4.258	4.104	4.083	3.994	4.145	3.973	3.958	4.088	4.059
1442237	at	NA	BE133829	NA	NA	4.473	4.343	4.373	4.418	4.473	4.315	4.472	4.429	4.481	4.408	4.576	4.348	4.387	4.420	4.511	4.523	4.438	4.223	4.283	4.420	4.475	4.342	4.445	4.447
1442238	at	Klf6	BB450549	Mm.441340	17	7.085	6.850	7.215	7.238	6.854	7.197	7.202	7.289	6.896	6.933	7.064	6.923	6.938	7.126	7.240	7.228	7.089	7.322	7.222	7.021	6.996	7.100	7.059	7.237
1442239	at	NA	BB456666	NA	NA	5.051	4.949	5.125	5.223	5.017	5.185	5.122	5.235	5.130	5.179	5.062	5.227	5.194	5.274	5.194	5.274	5.194	5.274	5.194	5.274	5.194	5.274	5.194	5.274
1442240	at	Ctr9	BB294970	Mm.255858	7	6.602	6.564	6.612	6.590	6.708	6.446	6.630	6.496	6.522	6.597	6.409	6.433	6.127	6.425	6.412	6.482	6.535	6.337	6.457	6.526	6.272	6.216	6.035	6.257
1442241	at	NA	BE979921	NA	NA	6.916	6.872	6.690	6.636	6.745	6.705	6.818	6.882	7.427	7.314	6.795	6.885	7.000	7.026	6.767	6.765	7.578	7.637	6.851	7.296	6.996	7.064	7.036	6.988
1442242	at	C79127	BB277133	Mm.134068	7	6.113	5.541	5.915	5.935	5.807	5.928	6.100	5.984	5.851	5.543	6.048	5.858	5.861	5.777	5.974	6.063	5.788	5.908	5.989	6.049	5.997	5.705	6.019	5.925
1442243	at	Per3	BB476794	Mm.121361	4	7.200	7.344	7.588	7.841	7.847	7.963	7.855	7.674	7.297	7.559	7.393	8.240	8.027	7.801	7.976	7.628	8.172	8.067	7.921	8.201	8.117	8.038	8.021	7.611
1442244	at	Inad1	BB273436	Mm.90218	4	5.103	4.712	5.060	5.062	4.780	4.949	5.258	4.983	5.048	4.732	4.946	4.807	5.092	4.965	5.076	5.014	5.386	5.246	5.084	5.288	4.978	5.087	5.037	5.160
1442245	at	NA	BM120817	NA	NA	5.004	4.858	5.034	5.097	4.890	5.036	4.858	5.073	5.139	4.881	4.810	5.097	4.961	4.881	4.825	4.999	5.337	5.190	5.143	5.195	5.256	5.823	5.047	4.579
1442246	at	LOC668224	AV010108	Mm.357766	3	6.528	6.178	6.166	6.164	6.216	6.262	6.2																	

1442294	at	A530053G22Rik	BB636451	Mm.131226	6	4.757	4.650	4.681	4.776	4.660	4.978	4.616	4.573	4.710	4.532	4.763	4.591	4.761	4.613	4.785	4.655	4.659	4.982	4.847	4.768	4.649	4.728	4.788	
1442295	at	Arpc2	BM244229	Mm.337038	1	5.857	6.348	5.617	5.441	5.985	5.619	5.733	5.803	6.031	5.988	6.167	5.793	5.897	5.793	5.850	5.762	5.757	5.479	5.627	5.448	5.565	5.667	5.786	5.477
1442296	at	Wdr75	AW538657	Mm.270376	1	6.412	6.110	6.274	6.379	6.225	6.198	6.449	6.260	6.174	6.244	6.271	6.245	6.123	6.216	6.240	6.538	6.149	6.192	6.229	6.193	6.130	5.966	6.369	6.478
1442297	at	BB212172	BB212172	Mm.132350	7	6.993	7.086	7.022	6.971	6.898	6.861	6.864	7.132	7.169	7.263	6.824	7.042	7.247	7.246	6.878	6.936	7.149	7.540	7.339	7.287	7.058	7.115	6.986	7.002
1442298	at	NA	AI426427	NA	NA	7.580	7.309	7.465	7.432	7.584	7.528	7.653	8.043	7.854	7.524	7.980	7.936	7.731	7.731	7.527	7.712	7.654	7.584	7.391	7.590	7.620	7.560	7.568	
1442299	at	Mpr27	AU015144	Mm.34951	11	7.462	7.271	7.147	7.317	7.345	7.266	7.346	7.669	7.163	7.080	6.972	7.592	7.132	7.904	7.086	7.293	6.093	7.214	7.295	7.948	7.966	7.097	7.313	
1442300	at	Tshr	AI481368	Mm.173847	12	8.138	7.731	8.061	8.099	7.985	7.914	7.973	7.821	7.892	7.842	8.015	7.791	7.988	7.947	7.987	7.980	8.063	8.020	7.931	8.205	7.939	8.074	7.923	8.068
1442301	at	AW06042	AW046255	Mm.33286	7	5.986	5.641	5.906	6.111	5.856	5.963	6.209	5.969	5.720	5.675	6.024	5.794	5.928	5.953	5.883	6.031	5.941	5.997	6.002	6.085	6.018	5.923	5.998	6.006
1442302	at	Mpq	AV131794	Mm.263161	11	5.318	5.709	5.531	5.591	5.559	5.510	5.579	5.722	5.965	6.138	5.730	5.823	5.891	6.210	5.567	5.458	5.568	5.663	5.731	5.665	5.456	5.482	5.538	5.734
1442303	at	NA	AV139114	NA	NA	6.832	6.534	6.718	6.773	6.507	6.526	6.361	6.871	6.492	6.379	6.667	6.962	6.837	6.505	6.778	6.988	6.713	6.794	6.723	6.757	6.649	6.513	6.771	6.467
1442304	at	10004258B	BB520468	Mm.74650	19	8.303	8.306	7.627	7.516	8.372	7.808	9.157	9.177	8.543	6.374	6.463	8.253	8.062	8.268	7.819	7.642	9.108	9.285	8.653	8.590	9.507	9.217	8.553	8.797
1442305	at	Gtpb2	AI849247	Mm.22147	17	8.685	8.419	8.531	8.722	8.470	8.600	8.604	8.676	8.448	8.443	8.526	8.648	8.567	8.234	8.487	8.542	8.831	8.705	8.630	8.621	8.697	8.733	8.663	8.515
1442306	at	NA	AV255639	NA	NA	3.755	3.757	3.755	3.791	3.658	4.038	3.842	3.854	3.684	3.745	3.765	3.655	3.715	3.592	3.986	3.889	3.739	3.878	3.778	3.818	3.944	3.724	3.993	3.951
1442307	at	NA	BB303372	NA	NA	6.995	7.020	7.182	7.424	7.317	7.301	7.154	7.065	6.839	7.095	7.000	6.866	7.247	7.292	7.089	7.038	7.472	7.593	7.268	7.219	7.058	7.966	7.217	
1442308	at	Smyd4	AW538800	Mm.340377	11	7.229	7.471	7.131	7.240	7.273	6.892	7.168	7.142	7.472	7.338	7.134	7.286	7.308	7.443	7.094	7.147	7.399	7.173	7.144	7.289	7.163	7.360	7.133	7.030
1442309	at	NA	BG082689	NA	NA	6.441	6.667	6.645	6.692	6.704	6.667	6.277	6.647	6.388	6.801	6.340	6.681	6.285	6.196	6.766	6.569	6.950	6.966	6.631	6.823	6.723	7.015	7.172	6.541
1442310	at	Pip4k2a	AI314891	Mm.313977	2	7.319	7.073	7.288	7.395	7.403	7.170	7.291	7.412	7.347	7.234	7.248	7.275	7.426	7.403	7.315	7.164	7.175	7.395	7.047	7.248	7.387	7.220	7.249	7.080
1442311	at	Zfr	BM199880	Mm.273496	15	7.968	8.158	8.005	8.009	7.923	8.096	8.097	7.983	7.816	8.030	8.003	8.138	7.886	7.722	8.160	8.101	8.101	7.965	7.764	7.848	7.945	8.091	8.134	8.107
1442312	at	Tbl1xr1	BM229258	Mm.202966	3	6.036	6.354	6.090	6.064	6.185	6.372	6.053	5.581	6.040	6.141	5.805	5.944	5.981	6.431	6.103	6.320	5.449	5.753	5.962	6.042	5.725	5.508	6.402	6.168
1442313	at	NA	AU043547	NA	NA	4.042	3.773	4.093	3.994	3.937	3.835	3.914	3.932	3.816	3.940	4.087	3.946	4.056	3.762	3.898	3.826	3.851	3.902	3.923	3.873	3.881	3.829	4.083	3.934
1442314	at	Nup188	BB380041	Mm.330119	2	5.300	5.653	5.466	5.442	5.597	5.358	5.415	5.260	5.455	5.188	5.605	5.521	5.168	5.408	5.383	5.513	5.644	5.547	5.632	5.615	5.429	5.376	5.702	5.374
1442315	at	Foxd2	AI426778	Mm.7997	4	6.698	6.493	6.596	6.477	6.404	6.528	6.788	6.530	6.572	6.565	6.529	6.535	6.623	6.549	6.577	6.634	6.359	6.463	6.371	6.642	6.502	6.374	6.717	6.492
1442316	x at	Trp53bp1	BB119893	Mm.475892	2	4.732	4.502	4.695	4.682	4.723	4.533	4.738	4.478	4.371	4.367	4.938	4.439	4.465	4.555	4.823	4.508	4.704	4.560	4.470	4.574	4.980	4.599	5.024	5.173
1442317	at	NA	BM293514	NA	NA	8.291	8.263	8.203	8.295	7.985	8.158	8.231	8.121	8.336	7.984	8.148	8.111	7.953	8.306	8.152	8.211	8.188	8.093	8.215	8.212	8.204	8.152	8.305	8.210
1442318	at	NA	AI438164	NA	NA	5.384	4.808	5.138	5.262	5.300	5.013	5.209	5.190	5.182	5.113	5.266	4.874	5.107	5.026	5.069	5.160	5.345	5.214	5.238	5.237	5.173	4.984	5.363	5.169
1442319	at	Usp4	AA792870	Mm.3974	9	8.199	8.111	8.309	8.292	8.250	8.162	8.273	8.086	8.211	8.070	8.136	8.066	8.138	8.184	8.175	8.224	7.913	8.268	8.133	8.187	8.059	7.827	8.418	8.096
1442320	at	NA	BB533096	Mm.441684	8	8.669	8.763	8.638	8.763	8.583	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728	8.683	8.728
1442321	at	Comm2d	BE853420	Mm.21901	3	7.798	7.958	7.862	7.997	7.854	7.841	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854	7.958	7.854
1442322	at	NA	BM218838	NA	NA	7.488	7.390	7.401	7.505	7.396	7.365	7.391	7.423	7.755	7.503	7.281	7.441	7.433	7.569	7.529	7.526	7.263	7.331	7.493	7.403	7.446	7.423	7.466	7.482
1442323	at	NA	BE946513	NA	NA	9.430	8.702	9.150	9.226	9.070	9.080	9.227	9.164	9.072	8.952	9.183	8.913	9.056	9.165	9.128	9.078	9.860	9.153	9.305	9.488	9.917	9.073	9.347	9.251
1442324	at	NA	BB283687	NA	NA	6.660	6.954	6.759	6.756	6.892	6.763	6.916	7.087	7.108	6.875	6.767	7.130	7.038	6.882	6.939	6.749	6.962	6.776	6.896	6.940	6.864	7.002	7.060	6.787
1442325	at	Tbc1d24	AA270038	Mm.301585	17	6.723	6.574	6.732	6.814	6.620	6.580	6.552	6.440	6.249	6.445	5.965	6.591	6.244	6.490	6.386	7.023	7.066	6.707	6.645	6.798	6.734	6.688	6.759	6.758
1442326	at	Pcdh15	BE984978	Mm.351476	10	3.824	3.916	3.908	3.806	3.780	3.769	3.777	3.868	3.801	3.972	3.846	3.667	3.844	3.751	3.746	3.806	3.834	3.878	3.817	3.816	4.108	3.877	3.967	3.712
1442327	at	100042434	AI048080	Mm.368967	13	4.654	4.546	4.733	4.707	4.681	4.677	4.636	4.725	4.716	4.787	4.925	4.759	4.762	4.595	4.807	4.562	4.717	4.654	4.846	4.897	4.648	4.844	4.721	4.819
1442328	at	Grin2d	BI429322	Mm.322594	7	8.492	7.914	8.292	8.492	8.397	8.598	8.245	8.392	8.962	8.703	8.952	8.245	8.392	8.952	8.245	8.392	8.952	8.245	8.392	8.952	8.245	8.392	8.952	8.245
1442329	at	Dcrla1a	AI505834	Mm.2805	19	5.062	5.036	4.998	5.129	5.070	5.190	5.146	5.032	5.155	5.213	5.072	5.028	5.084	5.040	4.947	5.141	5.186	5.082	4.943	5.077	4.951	4.980	5.238	5.119
1442330	at	Srrm1	BE199719	Mm.1963	4	5.726	5.495	5.543	5.623	5.572	5.646	5.624	5.487	5.666	5.501	5.465	5.501	5.433	5.486	5.540	5.652	5.597	5.503	5.338	5.247	5.630	5.557	5.585	5.201
1442331	at	NA	BM021574	NA	NA	6.269	6.333	6.175	6.132	6.089	6.166	6.057	6.269	6.181	6.185	6.139	5.998	6.076	5.963	6.402	6.145	6.415	6.180	6.330	6.262	6.279	6.460	6.601	6.306
1442332	at	NA	BG794571	NA	NA	8.315	7.673	8.163	8.115	8.068	8.448	8.194	8.077	7.913	7.819	7.891	7.948	7.923	7.972	8.000	8.166	6.886	8.134	8.412	8.333	8.396	8.775	8.540	8.076
1442333	a at	Scn9a	AI549833	Mm.440889	2	4.760	4.505	4.610	4.733	4.554	4.699	4.697	4.669	4.665	4.465	4.580	4.549	4.685	4.745	4.483	4.666	4.636	4.650	4.522	4.669	4.478	4.833	4.860	4.743
1442334	at	OTTMUSG000000	BB711873	Mm.441388	4	6.736	6.235	6.734	6.476	6.596	6.624	6.758	6.819	6.419	6.213	6.687	6.539	6.508	6.587	6.740	6.633	6.503	6.897	6.799	6.873	6.681	6.472	6.739	6.820
1442335	at	NA	BE949416	NA	NA	6.315	5.849	6.162	6.278																				

1442383	at	NA	AW125215	NA	NA	4.947	4.810	4.911	4.793	4.930	5.025	4.862	5.002	5.125	4.807	4.898	4.900	5.159	4.999	4.837	4.839	4.870	4.982	4.737	4.822	4.897	4.785	5.005	4.915	
1442384	at	NA	BG065559	NA	NA	5.250	5.238	5.258	5.246	5.062	4.923	5.049	5.176	5.217	5.351	5.200	5.278	4.926	5.120	5.078	5.252	5.380	5.237	5.273	5.242	5.040	5.055	5.076	5.014	
1442385	at	NA	BE979553	NA	NA	7.533	7.199	7.603	7.298	7.279	7.240	7.248	7.371	7.457	7.260	7.394	7.051	7.116	7.351	7.326	7.237	7.292	7.091	7.418	7.239	7.208	7.198	7.329	7.267	
1442386	at	NA	BB318879	Mm.260590	2	6.546	5.881	6.276	6.332	6.184	6.151	6.839	6.421	5.909	6.243	6.375	6.265	6.004	6.223	6.278	6.334	6.358	6.439	6.350	6.260	6.205	6.480	6.382	6.765	
1442387	at	NA	AI503097	NA	NA	6.844	6.556	6.780	6.787	6.942	6.402	6.851	6.927	6.713	6.536	7.114	6.514	6.802	6.959	7.036	6.970	6.770	6.864	6.839	7.061	6.806	6.911	6.826	6.965	
1442388	at	NA	2410137F16Rik	MM.444322	5	6.122	5.579	5.861	5.870	5.804	5.795	5.867	5.824	5.710	5.496	6.136	5.586	5.672	5.848	6.055	5.788	5.858	5.945	5.938	5.096	5.925	6.030	5.742	5.885	
1442389	at	NA	Oxas1f	BB147559	Mm.105369	5	7.186	6.960	7.293	7.326	7.058	7.254	7.303	7.227	7.228	7.110	7.183	7.011	7.440	7.214	7.150	7.433	7.367	7.268	7.185	7.317	7.248	7.231	7.362	7.153
1442390	at	NA	BE980518	NA	NA	7.903	7.722	7.799	7.837	7.828	7.788	7.828	7.965	7.743	7.584	7.909	7.750	7.792	7.961	7.769	7.676	7.792	7.829	7.921	7.911	7.825	7.860	7.782	7.794	
1442391	at	NA	4930519H02Rik	AW20727	Mm.183467	5	5.169	5.061	5.281	5.149	5.108	5.444	5.263	5.021	5.117	5.409	5.356	5.425	5.381	5.270	5.529	5.044	5.186	5.819	5.385	5.346	5.241	5.357	5.285	
1442392	at	NA	BB200474	NA	NA	6.469	6.148	6.261	6.593	6.190	6.375	6.300	6.218	6.498	6.300	6.198	6.072	6.364	6.343	6.238	6.364	6.321	6.305	6.441	6.538	6.454	6.389	6.424	6.622	
1442393	at	NA	BB482004	NA	NA	6.524	7.300	6.923	6.850	6.558	6.840	6.753	6.511	7.227	7.735	6.679	6.505	6.721	7.411	7.229	6.982	5.802	5.915	6.737	6.758	6.320	6.166	6.938	6.704	
1442394	at	NA	BE957304	NA	NA	4.960	4.838	4.621	4.867	4.643	4.595	4.561	4.681	4.634	4.516	4.679	4.600	4.516	4.645	4.451	4.538	4.670	4.530	4.857	4.813	4.424	4.684	4.535	4.876	
1442395	at	NA	AW494347	NA	NA	8.199	7.945	7.933	8.060	8.028	8.007	8.131	7.980	7.997	7.903	8.294	7.747	7.982	8.008	7.896	7.983	7.991	7.827	7.950	7.971	8.002	7.971	8.152	8.369	
1442396	at	NA	A730020MO7Rik	BB503768	Mm.65320	3	7.100	6.515	7.143	6.993	7.200	6.868	7.114	6.894	6.657	6.703	6.960	6.709	6.872	6.867	7.027	6.790	7.111	7.047	7.031	7.345	6.951	6.856	7.055	7.218
1442397	at	NA	Nfx1	BB075045	Mm.247456	4	6.718	6.424	6.748	6.721	6.597	6.554	6.592	6.534	6.187	6.284	6.447	6.322	6.444	6.455	6.580	6.693	6.585	6.728	6.689	6.649	6.703	6.442	6.324	6.596
1442398	at	NA	LOC100047829	AW491893	NA	1	6.921	6.635	6.788	6.893	6.867	6.779	6.758	6.658	6.694	6.700	6.632	6.600	6.619	6.628	6.783	6.821	6.749	6.495	6.763	6.817	6.688	6.606	6.834	6.784
1442399	at	NA	BF072689	NA	NA	6.832	6.774	6.782	6.884	6.757	6.837	6.952	6.825	6.924	6.900	6.851	6.740	6.833	6.800	6.849	6.959	6.772	6.624	6.948	6.859	6.861	6.772	6.926	6.849	
1442400	at	NA	BF472052	NA	NA	7.110	6.610	7.100	7.086	6.774	7.003	7.121	6.981	6.903	6.717	6.929	6.890	6.865	7.143	7.148	7.081	7.062	6.906	6.953	7.153	7.012	6.866	7.151	7.023	
1442401	at	NA	AW120824	NA	NA	9.176	8.566	8.972	8.932	8.998	8.823	9.008	8.810	8.559	8.403	8.525	8.497	8.520	8.406	8.705	8.999	8.637	8.764	8.804	8.758	8.883	8.897	9.271	9.055	
1442402	at	NA	Sh3r1	BB110728	Mm.27949	8	7.911	7.585	7.788	7.723	7.754	7.640	7.763	7.764	7.858	7.685	7.887	7.671	8.042	7.719	7.708	7.864	7.764	7.598	7.846	7.712	7.677	7.791	7.619	
1442403	at	NA	B130034C11Rik	BB295093	Mm.166361	16	4.276	3.962	4.147	4.182	3.998	4.185	4.047	4.244	4.144	4.120	4.149	3.956	3.974	3.972	4.205	4.048	4.210	4.156	4.152	3.327	4.062	4.184	4.198	4.168
1442404	at	NA	BB624790	NA	NA	7.359	7.008	7.239	7.244	6.990	7.019	7.199	7.009	6.813	6.997	7.178	7.320	7.247	7.015	7.179	7.264	7.306	7.263	7.140	7.223	7.387	7.368	7.190	7.493	
1442405	at	NA	AU042783	NA	NA	6.393	6.164	6.362	6.263	6.345	6.246	6.321	6.407	6.403	6.038	6.169	6.139	6.314	6.194	6.291	6.496	6.361	6.466	6.321	6.327	6.553	6.710	6.307	7.070	6.423
1442406	at	NA	9230104K21Rik	BE852666	Mm.260210	4	6.567	6.439	6.235	6.285	6.586	6.201	6.366	6.374	6.613	6.409	6.366	6.299	6.566	6.118	6.325	6.152	6.360	6.072	6.099	5.927	6.531	6.498	6.437	6.054
1442407	at	NA	B107666	NA	NA	5.066	4.858	5.046	5.010	5.230	5.152	5.131	5.314	4.853	4.892	4.615	4.582	4.605	4.870	4.940	5.075	5.402	5.383	5.211	5.435	5.389	5.398	5.402	5.182	
1442408	at	NA	Sulf2	BE981170	Mm.383702	2	9.872	9.968	10.088	10.116	9.931	10.209	10.017	9.905	9.962	9.972	9.781	9.984	10.118	9.905	9.985	10.055	9.813	10.196	9.935	9.864	10.290	10.492	10.116	10.016
1442409	at	NA	D930001B02	BB311940	Mm.441352	9	5.856	5.679	5.816	5.726	5.816	5.738	5.701	5.587	5.378	5.560	5.506	5.572	5.580	5.587	5.742	5.597	5.742	5.597	5.742	5.597	5.742	5.597	5.742	5.597
1442410	at	NA	Dendc5	BB069214	Mm.439868	2	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855	8.855
1442411	at	NA	BF318509	NA	NA	5.537	5.306	5.469	5.257	5.180	5.508	5.512	5.210	5.236	5.116	5.291	5.218	5.265	5.402	5.429	5.761	5.366	5.433	5.635	5.744	5.424	5.441	5.454	5.566	
1442412	at	NA	Dnahc9	BG069638	Mm.459279	11	6.626	6.122	6.249	6.433	6.286	6.416	6.416	6.427	6.244	6.082	6.373	6.179	6.394	6.433	6.347	6.286	6.469	6.193	6.395	6.658	6.518	6.350	6.421	6.446
1442413	at	NA	Kcna1	BE985250	Mm.40424	6	6.409	6.414	6.513	6.704	6.277	6.255	6.297	6.329	6.354	6.281	6.300	6.339	6.321	6.379	6.325	6.422	6.491	6.509	6.373	6.525	6.561	6.576	6.493	6.433
1442414	at	NA	AV232731	NA	NA	4.202	4.183	4.049	4.030	4.230	4.168	4.048	3.977	4.093	4.003	4.283	4.067	4.021	4.102	4.098	4.145	4.008	4.135	4.144	4.266	3.928	3.896	4.045	4.285	
1442415	at	NA	5830454E08Rik	BO180241	Mm.48212	9	7.555	7.497	7.582	7.730	7.672	7.494	7.626	7.664	7.640	7.501	7.467	7.614	7.566	7.554	7.461	7.703	8.017	7.961	7.815	7.822	8.116	7.841	7.656	7.685
1442416	at	NA	D930001B02	BB311940	Mm.441352	12	8.688	8.090	8.741	8.675	8.440	8.824	8.706	8.397	7.823	8.185	7.975	8.555	8.476	8.292	8.548	8.651	8.865	8.719	8.654	8.768	8.872	9.151	8.874	8.873
1442417	at	NA	W91702	Mm.259567	4	7.398	7.193	7.079	7.995	7.752	7.869	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739	7.739
1442418	at	NA	B930096F20Rik	AW456056	Mm.445038	19	6.642	6.534	6.482	6.594	6.989	6.664	6.782	6.366	6.676	6.859	6.179	6.729	6.144	6.327	6.618	6.414	6.536	6.558	6.466	6.294	6.373	6.401	6.992	6.315
1442419	at	NA	AU067700	NA	NA	4.352	4.336	4.510	4.414	4.319	4.384	4.378	4.582	4.599	4.331	4.439	4.325	4.737	4.216	4.795	4.452	4.433	4.383	4.426	4.720	4.760	4.426	4.326	4.264	4.560
1442420	at	NA	AI326469	NA	NA	7.775	7.258	7.698	7.763	7.645	7.806	7.783	7.589	7.457	7.726	7.823	7.657	7.744	7.702	7.868	7.778	7.730	7.723	7.780	7.952	7.709	7.604	7.773	7.894	
1442421	at	NA	2900008311Rik	AV337624	Mm.271230	5	6.993	6.980	6.856	6.974	6.743	7.010	6.901	7.151	6.746	6.647	6.952	6.968	6.902	7.101	6.990	6.734	6.742	6.857	6.940	7.234	7.170	6.981	7.066	7.048
1442422	at	NA	BB371965	NA	NA	6.120	6.449	6.071	6.224	6.159	5.952	6.156	6.348	6.394	6.072	6.230	6.370	6.204	6.200	6.216	6.108	6.088	6.226	6.126	6.106	6.237	6.203	6.275	6.069	
1442423	at	NA	BE979514	NA	NA	4.924	4.845	4.732	4.857	5.013	4.817	4.952	4.782	4.797	4.667	4.949	4.758	4.866	4.866	4.801	4.858	5.034	4.653	4.905	4.862	4.905				

1442472	at	NA	AV2712719	NA	NA	6.698	6.532	6.964	6.792	6.748	6.487	6.812	6.786	6.811	6.710	6.815	6.627	6.470	6.638	6.757	6.685	6.556	6.895	6.815	6.474	6.747	6.769			
1442473	at	NA	BG070998	NA	NA	7.687	7.340	8.036	7.874	7.637	7.845	7.986	7.935	7.293	7.525	7.660	7.797	7.846	7.629	8.180	8.161	7.796	7.928	7.873	8.172	7.931	8.294	7.767	7.715	
1442474	at	NA	AU043163	NA	NA	7.492	7.114	7.203	7.303	7.160	7.136	7.167	7.274	7.165	7.135	7.230	7.114	7.229	7.142	7.206	7.265	7.688	7.118	7.185	7.224	7.188	7.078	7.396	7.259	
1442475	at	NA	BG068808	NA	14	5.032	4.794	4.862	4.838	4.884	4.977	5.018	4.920	4.859	4.740	4.955	5.113	4.922	4.907	4.957	5.001	4.938	4.917	4.860	4.920	4.919	5.031	5.192	5.233	
1442476	at	NA	BG0704752	NA	5	6.317	6.098	6.303	6.303	6.363	6.261	6.033	6.198	5.998	6.136	6.171	6.068	6.138	6.169	6.243	6.222	6.033	6.440	6.328	6.033	6.440	6.328	6.233	6.208	
1442477	at	NA	BG072476	NA	2	6.094	5.771	5.567	5.840	5.952	5.830	5.717	6.040	6.013	5.928	6.032	6.162	5.867	5.964	5.828	5.727	6.081	6.039	5.862	6.229	6.109	6.331	6.157	5.910	
1442478	at	NA	BG068189	NA	NA	5.661	4.905	5.427	5.156	5.250	5.544	5.314	4.559	5.146	5.029	5.290	5.182	5.127	5.127	5.300	5.431	5.319	5.385	5.413	5.503	5.208	5.126	5.422	5.305	
1442479	at	NA	BB306884	NA	NA	5.810	5.405	5.761	5.895	5.819	5.565	5.725	5.857	5.793	5.741	5.767	5.693	5.813	5.646	5.631	5.835	5.699	5.715	5.918	5.869	5.812	5.746	5.893	5.938	
1442480	at	NA	BE980519	NA	NA	6.273	6.214	6.449	6.457	6.192	6.310	6.422	6.543	6.282	6.154	6.338	6.239	6.566	6.479	6.158	6.448	6.359	6.328	6.106	6.413	6.187	6.193	6.516	6.540	
1442481	at	NA	675578	BB503726	NA	8	6.546	6.080	6.590	6.448	6.486	6.447	6.608	6.583	6.425	6.387	6.528	6.223	6.452	6.410	6.447	6.610	6.393	6.416	6.529	6.599	6.499	6.346	6.580	6.447
1442482	at	NA	C87416	NA	NA	4.121	4.185	4.363	4.160	4.411	4.141	4.250	4.078	4.097	4.011	4.123	4.096	4.199	4.180	4.289	4.265	4.139	4.140	4.214	4.354	4.159	4.043	4.288	4.160	
1442483	at	NA	BB534083	NA	NA	4.093	4.060	4.416	4.377	4.292	4.311	4.289	4.162	4.231	4.220	4.186	4.067	4.208	4.305	4.098	4.442	4.115	4.111	4.261	4.415	4.121	4.100	4.246	4.170	
1442484	at	NA	D9Ert4306e	NA	9	7.681	7.639	7.709	7.477	7.407	7.897	7.969	7.563	7.151	7.532	7.900	7.486	7.161	7.377	7.483	7.920	7.238	7.234	7.436	7.566	7.321	7.154	7.570	7.561	
1442485	at	NA	BG068676	NA	NA	6.050	5.934	6.211	6.216	6.065	6.129	6.130	6.097	6.022	5.864	6.072	5.983	6.076	6.181	6.121	6.057	5.981	5.863	6.085	6.116	6.052	6.039	6.289	6.046	
1442486	at	NA	BG070134	NA	NA	4.785	4.549	4.987	4.720	4.776	4.947	4.867	4.627	4.660	4.809	5.014	4.674	5.029	4.907	4.830	4.888	4.802	4.740	4.738	5.125	4.873	4.689	5.032	5.025	
1442487	at	NA	D14Ert424e	NA	14	4.929	4.767	4.892	5.066	4.902	5.159	4.974	5.074	4.887	5.019	4.942	4.858	4.961	4.878	4.888	4.882	4.881	5.101	5.040	5.030	5.159	4.971	5.014	5.018	
1442488	at	NA	BE979376	NA	NA	4.341	4.333	4.347	4.343	4.334	4.393	4.457	4.275	4.312	4.422	4.242	4.242	4.307	4.362	4.378	4.436	4.617	4.275	4.409	4.524	4.569	4.366	4.620	4.566	
1442489	at	NA	BG068396	NA	1	6.779	6.523	6.735	6.192	6.368	6.792	6.758	6.589	6.420	6.612	6.611	6.652	6.222	6.605	6.961	6.753	6.150	6.446	6.335	6.634	6.563	6.753	6.769	7.128	
1442490	at	NA	C130090123Rik	BB377749	NA	17	4.425	4.417	4.680	4.660	4.697	4.683	4.627	4.766	4.504	4.544	4.689	4.682	4.600	4.610	4.585	4.904	4.678	4.679	4.588	4.618	4.808	4.637	4.585	4.792
1442491	at	NA	BB393194	NA	NA	4.326	4.158	4.258	4.311	4.185	4.061	4.029	4.053	4.277	4.202	4.231	4.220	4.216	4.110	4.268	4.160	4.109	4.192	4.216	4.243	4.256	4.150	4.318	4.239	
1442492	at	NA	DXErt111e	C76381	NA	X	7.326	7.082	7.210	7.224	7.142	7.284	7.272	7.298	7.152	7.142	7.277	7.111	7.238	7.317	7.206	7.122	7.180	7.193	7.320	7.422	7.219	7.089	7.180	7.212
1442493	at	NA	BG069641	NA	NA	5.199	4.955	5.098	5.111	5.138	5.116	5.112	5.066	5.262	5.081	5.112	5.061	5.209	5.116	5.057	5.079	5.084	5.012	5.111	5.239	5.067	4.979	5.184	5.089	
1442494	at	NA	Ubr2	BG066459	NA	17	7.995	7.582	8.120	8.189	7.983	8.449	7.797	7.384	7.073	7.402	7.298	7.525	7.411	7.432	7.666	8.152	7.927	7.939	7.930	8.154	7.903	7.778	8.388	8.142
1442495	at	NA	BG071331	NA	NA	5.719	5.911	6.049	5.855	5.810	5.814	5.782	5.696	5.765	5.660	5.386	5.739	5.740	5.606	5.548	5.839	5.927	5.718	5.493	5.611	5.642	5.784	5.926	5.508	
1442496	at	NA	AV320429	NA	NA	5.052	4.669	4.927	4.982	4.838	5.077	5.014	4.777	4.823	4.829	4.741	4.969	4.907	4.819	4.867	4.998	5.019	4.935	5.063	5.079	4.916	4.961	4.871	4.776	4.932
1442497	at	NA	Smchd1	BB539451	NA	17	7.151	7.268	7.155	7.234	7.221	7.148	7.255	7.259	7.478	7.453	7.254	7.302	7.419	7.404	7.104	7.211	7.378	7.069	7.097	7.349	7.332	7.528	7.210	7.315
1442498	at	NA	C78652	BG066268	NA	6	6.581	6.596	6.583	6.596	6.498	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586	6.582	6.586
1442499	at	NA	BG066515	NA	9	7.655	7.569	7.483	7.472	7.381	7.860	7.653	7.494	7.344	7.557	7.344	7.557	7.344	7.557	7.344	7.557	7.344	7.557	7.344	7.557	7.344	7.557	7.344	7.557	7.344
1442500	at	NA	C77406	NA	X	5.761	5.201	5.490	5.667	5.324	5.932	5.521	5.464	5.460	5.249	5.573	5.247	5.495	5.268	5.488	5.688	5.628	5.654	5.649	5.597	5.616	5.324	5.816	5.515	
1442501	at	NA	Nrxn1	BB177733	NA	17	5.569	5.475	5.586	5.701	5.663	5.713	5.341	5.590	5.571	5.655	5.742	5.606	5.646	5.768	5.656	5.756	5.663	5.685	5.765	5.769	5.800	5.696	5.648	5.672
1442502	at	NA	Lrch1	BB011593	NA	14	8.471	8.123	8.341	8.019	8.134	8.284	8.251	8.053	8.208	8.282	8.551	8.161	8.176	8.153	8.220	8.653	7.854	8.147	8.267	8.394	8.048	8.194	8.420	8.292
1442503	at	NA	BE979996	NA	NA	5.379	4.948	5.047	5.306	5.013	5.155	5.183	5.076	5.132	4.856	5.206	4.921	5.201	5.065	5.289	5.244	5.093	5.061	5.149	5.668	5.269	5.164	5.202	5.023	
1442504	at	NA	BG076175	NA	NA	7.178	7.347	7.530	7.197	7.713	7.644	7.374	7.545	8.080	8.089	7.619	7.946	8.308	7.743	7.968	7.394	7.468	7.494	7.553	7.633	7.162	7.185	7.238	7.287	
1442505	at	NA	BG070498	NA	NA	8.437	8.387	8.398	8.442	8.504	8.334	8.348	8.466	8.656	8.485	8.415	8.496	8.658	8.261	8.428	8.436	8.403	8.389	8.361	8.197	8.572	8.640	8.551	8.199	
1442506	at	NA	BE94598	NA	NA	4.949	4.584	4.352	4.130	4.157	4.185	4.124	4.327	4.267	4.550	4.293	4.506	4.267	4.506	4.267	4.506	4.267	4.506	4.267	4.506	4.267	4.506	4.267	4.506	4.267
1442507	at	NA	Whrn	BG862377	NA	4	6.850	6.661	6.911	6.697	6.687	6.636	6.667	6.716	6.767	6.576	6.763	6.565	6.748	6.857	6.622	6.794	6.661	6.727	6.702	6.709	6.644	6.878	6.784	6.758
1442508	at	NA	4933404M19Rik	AV278924	NA	11	6.431	6.064	6.265	5.982	5.906	6.145	5.943	6.170	6.599	6.051	6.072	6.484	6.445	6.234	6.103	6.154	6.304	6.162	6.259	6.180	6.143	5.713	5.925	6.217
1442509	at	NA	BG070099	NA	NA	6.474	6.202	6.603	6.206	6.374	6.400	6.499	6.237	6.145	6.466	6.003	6.411	6.273	6.241	6.410	6.577	6.643	6.371	6.097	5.947	6.533	6.776	6.135	6.393	
1442510	at	NA	5830473C10Rik	BB032759	NA	5	6.665	6.243	6.566	6.356	6.290	6.447	6.715	6.437	6.286	6.229	6.675	6.182	6.264	6.383	6.519	6.670	6.579	6.611	6.545	6.312	6.637	6.467	6.594	6.670
1442511	at	NA	ip07	BG069408	NA	7	6.424	6.531	6.159	6.124	6.102	6.226	6.137	5.850	6.097	6.179	6.699	5.880	5.766	5.973	6.235	6.128	6.159	6.143	6.024	5.805	5.718	5.635	6.283	6.062
1442512	at	NA	100041601	BB831345	NA	15	6.978	7.051	6.770	6.986	6.848	6.644	6.688	6.858	6.620	6.777	6.918	6.893	6.731	6.651	6.954	6.796	6.860	6.721	6.637	6.553	6.866	6.796	7.055	6.406
1442513	at	NA	100041601	BB831345	NA	13	5.851	5.640	6.096	5.843	5.671	6.334	5.693	5.282	5.574	5.735	5.983	5.612												

1442561	at	NA	BG073012	NA	NA	5.337	5.543	5.737	5.769	5.437	5.970	5.602	5.550	5.019	5.410	5.562	5.498	5.676	5.343	5.627	5.741	6.030	5.841	5.564	5.959	6.092	5.837	6.121	5.872
1442562	at	Zfp827	BB346556	Mm.48724	8	7.823	7.372	7.858	7.769	7.608	7.728	7.864	7.388	7.131	7.479	7.154	7.577	7.408	7.274	7.407	7.865	8.030	8.173	8.169	8.102	7.367	7.492	7.150	7.670
1442563	at	Tmem8	BE949428	Mm.304656	17	6.234	5.457	5.818	5.924	5.742	5.636	5.736	5.869	5.569	5.697	5.735	5.695	5.650	5.692	5.834	5.788	5.707	5.730	5.824	5.852	5.562	5.758	5.811	
1442564	at	NA	BG071434	NA	NA	4.671	4.417	4.690	4.684	4.531	4.592	4.665	4.523	4.290	4.406	4.521	4.150	4.682	4.561	4.573	4.920	4.391	4.585	4.514	4.922	4.236	4.586	4.649	4.628
1442565	at	Rcdh10	BB174472	Mm.242644	3	3.474	3.495	3.749	3.580	3.645	3.696	3.678	3.547	3.600	3.626	3.871	3.627	3.666	3.678	3.809	3.694	3.478	3.816	3.724	3.762	3.630	3.523	3.731	3.746
1442566	at	C78878	BG066292	NA	13	4.359	4.324	4.320	4.303	4.252	4.111	4.297	4.312	4.241	4.287	4.224	4.366	4.208	4.283	4.320	4.171	4.429	4.426	4.167	4.212	4.440	4.419	4.298	
1442567	at	Zbtb24	BB236491	Mm.258475	10	5.370	5.331	5.377	5.444	5.364	5.535	5.552	5.253	5.491	5.515	5.358	5.402	5.583	5.578	5.719	5.403	5.516	5.449	5.474	5.557	5.449	5.138	5.552	5.656
1442568	at	NA	BM213120	NA	NA	6.945	6.505	6.521	6.602	5.928	6.476	6.678	6.682	5.653	5.653	5.707	6.304	6.500	6.742	5.747	6.356	5.683	5.683	5.794	6.091	5.903	5.698	5.904	5.959
1442569	at	NA	BM206269	NA	NA	6.220	6.626	6.364	6.547	6.301	6.447	6.374	5.564	5.829	5.978	6.251	5.506	5.673	6.010	6.031	6.262	5.621	6.153	5.742	5.934	5.544	5.260	6.479	5.917
1442570	at	NA	BB306845	NA	NA	4.078	4.011	4.140	4.240	4.089	3.974	3.992	4.152	4.132	4.070	4.043	4.087	4.062	3.881	4.024	4.135	4.257	4.260	4.066	3.835	4.035	4.072	4.231	3.952
1442571	at	NA	BM203260	NA	NA	4.193	4.049	4.143	4.175	4.049	4.103	4.407	4.116	4.130	4.009	4.125	3.971	4.048	4.070	4.242	4.095	4.129	3.977	4.226	4.285	3.945	3.849	4.232	4.081
1442572	at	NA	BE979373	NA	NA	5.195	4.795	5.021	5.191	5.066	4.970	5.132	5.067	5.009	4.975	4.986	5.114	5.052	4.899	5.028	5.175	5.217	5.168	4.573	5.038	5.169	5.022	5.139	5.471
1442573	at	Cdc76	BB230377	Mm.259648	3	6.889	6.821	6.754	6.770	6.540	6.968	6.927	6.809	6.807	6.710	6.905	6.756	6.814	6.865	6.882	6.855	6.840	6.808	6.783	6.625	6.645	6.940	6.873	
1442574	at	NA	AV145238	NA	NA	5.467	5.391	5.657	5.538	5.594	5.622	5.544	5.338	5.729	5.804	5.446	5.422	5.611	5.514	5.453	5.506	5.660	5.935	5.690	5.736	5.655	5.527	5.705	5.691
1442575	at	NA	BB219727	NA	NA	6.762	6.563	6.735	6.786	6.710	6.753	6.509	6.739	6.834	6.400	6.697	6.516	6.685	6.727	6.655	6.949	6.547	6.511	6.641	6.935	6.825	6.595	6.760	6.462
1442576	at	Creb5	AI118522	Mm.321138	6	7.703	7.225	7.523	7.149	7.230	7.355	7.244	7.423	7.182	7.082	7.170	7.280	7.286	7.245	7.474	7.241	7.156	7.335	7.194	7.106	7.505	7.718	7.172	7.196
1442577	at	C330006K01Rik	BE949769	Mm.78250	5	6.744	6.679	6.673	6.748	6.710	6.751	6.667	6.966	6.789	6.621	6.539	6.620	6.648	6.753	6.676	6.552	6.781	6.614	6.461	6.549	6.683	6.781	6.594	6.751
1442578	at	Rfx2	BM200059	Mm.102	17	7.150	6.930	7.095	7.411	7.123	7.130	7.033	7.229	7.125	7.019	7.145	7.127	7.140	7.159	7.162	7.109	7.121	7.119	7.040	7.182	7.212	7.117	7.146	7.236
1442579	at	9330111N05Rik	BB306259	Mm.213699	13	4.409	3.988	3.991	4.101	3.977	4.035	4.038	4.135	4.006	3.821	3.884	4.129	4.039	4.100	4.072	4.222	4.082	4.084	4.063	4.233	4.156	4.039	4.027	4.244
1442580	at	AS30020G20Rik	BB111402	Mm.393669	3	4.607	4.441	4.570	4.512	4.338	4.394	4.622	4.289	4.500	4.382	4.560	4.400	4.530	4.311	4.542	4.437	4.689	4.736	4.518	4.676	4.601	4.556	4.511	4.681
1442581	at	Ksr1	BB522422	Mm.4745	11	6.952	6.696	6.696	6.997	7.129	6.700	6.639	6.920	6.690	6.720	6.703	6.805	6.898	6.738	6.985	6.663	6.887	7.069	6.747	6.672	7.011	6.935	6.940	6.764
1442582	at	Gcet2	BB136224	Mm.4799	16	4.884	4.801	4.934	4.909	4.409	4.916	4.885	4.625	4.780	5.090	4.857	4.763	4.860	4.890	4.888	4.936	4.740	5.182	4.757	5.087	4.874	4.745	5.112	5.059
1442583	a at	AI854703	AI852969	Mm.26678	6	5.385	5.105	5.348	5.174	5.068	5.516	5.239	5.246	5.305	5.157	5.503	5.163	5.187	5.237	5.210	5.303	5.320	5.200	5.272	5.605	5.314	5.358	5.208	5.299
1442584	at	NA	BB076411	NA	NA	6.323	6.159	6.231	6.288	6.282	6.100	6.347	6.347	6.170	6.034	6.406	5.952	6.450	6.211	6.162	6.262	6.282	6.115	6.226	6.349	6.639	6.431	6.303	6.059
1442585	at	B230220N19Rik	BB539872	NA	4	7.305	6.858	7.255	7.221	6.718	7.031	7.190	7.234	7.127	6.917	7.106	7.180	7.152	7.068	7.032	7.158	7.395	7.142	7.155	7.228	7.219	7.246	7.104	7.213
1442586	at	Socs2	BB456057	Mm.4132	10	9.549	9.315	9.646	9.444	9.458	9.394	9.309	9.190	9.028	9.113	9.509	9.261	9.559	9.126	9.409	9.555	9.210	9.324	9.451	9.524	9.236	9.324	9.553	9.622
1442587	at	NA	BB472462	NA	NA	5.523	5.385	5.522	5.584	5.631	5.594	5.606	5.508	5.568	5.508	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568	5.568
1442588	at	EG329217	BB117375	Mm.108566	1	7.090	6.815	7.011	6.812	7.031	6.997	7.072	7.087	7.076	7.036	7.041	6.966	6.962	7.113	7.909	7.909	7.909	7.909	7.909	7.909	7.909	7.909	7.909	7.909
1442589	at	NA	BE980162	NA	NA	7.280	6.940	7.283	7.243	7.109	7.152	7.375	7.220	7.150	7.158	7.200	7.009	7.015	7.192	7.222	7.301	7.214	7.122	7.246	7.298	7.146	7.009	7.215	7.782
1442590	at	Tnfrsf22	BB366863	Mm.261384	7	8.100	9.294	8.258	7.914	8.412	7.927	8.023	8.084	9.625	9.222	8.419	8.197	8.348	9.078	8.211	8.145	7.796	7.838	8.176	7.943	7.673	7.432	7.771	7.705
1442591	at	NA	BB151903	NA	NA	5.736	5.959	6.033	6.040	6.067	5.987	5.958	6.205	5.945	5.988	6.051	6.045	5.858	6.024	5.950	6.026	6.007	5.913	5.948	6.153	6.079	5.925	6.273	6.002
1442592	at	NA	BB476336	NA	NA	7.643	7.736	7.540	7.770	7.693	7.694	7.717	7.781	7.691	7.498	7.505	7.653	7.562	7.445	7.688	7.753	8.176	7.857	7.855	7.767	8.106	7.673	8.106	7.532
1442593	at	NA	AW553880	NA	NA	6.213	5.982	6.660	6.381	5.947	6.314	6.693	5.870	5.891	6.194	5.935	5.920	5.918	6.174	5.792	6.730	6.657	6.494	6.078	6.636	6.261	6.407	6.303	6.221
1442594	at	Ttk	BB472462	Mm.1904	9	4.892	5.163	4.670	4.923	5.095	4.758	4.727	5.036	5.210	4.890	5.010	4.516	4.612	4.880	5.019	4.755	4.453	4.666	4.705	4.997	4.688	4.713	4.905	4.715
1442595	at	NA	BB943953	NA	NA	5.987	5.745	5.951	5.854	5.631	5.661	5.676	5.778	5.501	5.514	5.676	5.899	5.958	5.629	5.592	5.592	5.592	5.592	5.592	5.592	5.592	5.592	5.592	5.592
1442596	at	Klhlcd2	BB105408	Mm.234368	12	4.625	4.376	4.727	4.708	4.422	4.515	4.576	4.452	4.389	4.340	4.394	4.506	4.466	4.521	4.458	4.736	4.505	4.443	4.554	4.695	4.866	4.545	4.735	4.554
1442597	at	C79122	C79122	Mm.5791	15	4.578	4.649	4.656	4.750	4.537	4.596	4.656	4.697	4.615	4.507	4.683	4.575	4.448	4.434	4.379	4.723	4.646	4.590	4.522	4.733	4.671	4.585	4.834	4.797
1442598	at	Pkrip1	AV324577	Mm.425295	5	4.850	4.864	4.872	4.848	4.874	4.677	4.687	4.984	4.785	4.625	4.938	4.821	4.936	4.967	4.721	4.782	4.903	4.917	5.031	4.825	4.851	4.838	4.948	4.978
1442599	at	Scl12a9	BB668140	Mm.235625	5	4.584	5.069	4.730	4.743	4.691	4.622	4.390	4.889	5.287	5.038	4.564	4.812	4.753	4.994	4.772	4.656	4.740	4.555	4.803	4.691	4.657	5.055	4.702	4.652
1442600	at	NA	BB456595	NA	NA	7.039	6.576	6.742	6.873	6.624	7.014	6.871	6.871	6.947	6.586	6.516	6.836	6.734	6.787	6.757	6.781	6.774	6.809	6.735	6.964	6.688	6.782	6.903	6.840
1442601	at	Gmeb1	BB415685	Mm.103489	4	7.312	7.299	7.322	7.391	7.021	7.103	7.297	7.206	7.196	7.057	7.353	7.133	7.266	7.295	7.047	7.271	7.128	7.118	7.202	7.338	7.449	7.235	7.262	7.185
1442602	at	NA	BG456002	NA	NA	6.260	6.140	6.260	6.260	6.129	6.158	6.234																	

1442650	at	NA	BB345768	NA	NA	6.017	5.629	5.836	5.859	5.872	6.029	5.788	5.867	5.947	5.747	5.930	5.541	5.969	5.917	5.803	5.966	5.828	5.894	5.845	5.970	5.810	5.652	5.750	5.837
1442651	at	NA	BB797985	NA	NA	5.303	4.955	5.460	5.170	5.308	5.497	5.122	5.416	4.987	5.031	5.195	5.226	5.213	5.037	5.294	5.288	5.595	5.457	5.436	5.521	5.130	5.306	5.346	5.185
1442652	at	Gm410	BM935317	Mm.291091	3	7.140	6.515	6.971	7.014	6.935	6.939	7.059	6.944	6.872	6.745	6.935	6.894	7.098	7.034	7.005	7.300	7.043	6.878	7.039	7.065	7.204	7.096	7.134	7.158
1442653	at	NA	BG068044	NA	NA	4.932	4.536	4.940	4.774	4.736	4.723	4.667	4.644	4.770	4.538	4.732	4.642	4.729	4.828	4.671	4.756	4.796	4.641	4.736	4.779	4.616	4.727	4.607	4.824
1442654	at	AS30054K11Rik	AI591918	Mm.342918	13	7.146	7.327	7.386	7.174	7.241	7.184	7.202	7.046	7.141	7.346	7.222	6.911	7.298	7.276	7.265	6.972	7.139	7.192	7.418	7.414	7.806	7.221	7.207	7.226
1442655	at	Dnm13b	BB207990	Mm.89772	2	4.899	4.863	4.962	4.925	4.866	5.057	4.885	4.887	4.944	5.007	4.775	4.988	4.953	4.062	4.905	4.884	4.860	4.888	5.020	4.927	4.788	4.885	5.040	4.553
1442656	at	Elolv6	BB206736	Mm.314113	3	5.673	5.655	5.682	5.633	5.617	5.793	5.816	5.684	5.641	5.881	5.671	5.658	5.678	5.650	5.773	5.555	5.525	5.673	5.502	5.895	5.529	5.433	5.610	5.508
1442657	at	D1Ert2D73e	BG066643	NA	1	4.006	4.049	4.054	4.268	4.044	4.174	4.104	4.275	4.020	3.976	4.017	4.019	4.068	4.010	4.117	4.128	4.130	4.214	4.092	4.057	4.103	4.022	4.094	3.962
1442658	at	Ndurfb2	BB167210	Mm.29415	6	7.334	7.092	7.324	7.391	7.317	7.301	7.419	7.308	7.330	7.704	7.014	7.310	7.244	7.216	6.987	7.251	7.356	7.468	7.275	7.365	7.281	7.368	7.354	7.284
1442659	at	Pcdh9	BB244656	Mm.37126	14	7.899	8.265	7.918	8.212	8.585	8.154	7.866	8.016	8.855	8.750	7.919	8.963	9.129	8.276	8.300	7.877	8.127	8.192	8.337	8.053	7.957	8.067	7.672	7.679
1442660	at	NA	BM201942	NA	NA	8.262	8.218	8.267	8.397	8.446	8.466	8.381	8.325	8.337	8.305	8.093	8.355	8.242	8.173	8.198	8.358	8.387	8.357	8.414	8.410	8.332	8.337	8.655	8.249
1442661	at	C80113	C80828	NA	11	6.106	6.284	6.406	6.294	6.311	6.366	6.456	6.320	6.398	6.364	6.320	6.309	6.469	6.375	6.136	6.204	6.366	6.458	6.492	6.408	6.509	6.539	6.449	6.377
1442662	at	NA	B1662833	NA	NA	6.169	6.026	6.248	6.064	6.168	6.148	6.183	6.184	6.348	6.107	6.337	5.744	6.467	6.403	5.992	6.288	6.284	6.149	6.212	6.427	6.611	6.037	6.238	6.418
1442663	at	C430048L16Rik	BB505259	Mm.474129	4	7.316	6.795	7.401	7.144	7.271	7.235	7.224	7.326	7.286	7.226	7.252	7.049	7.254	7.173	7.335	7.218	7.119	7.246	7.178	7.403	7.227	7.107	7.351	7.212
1442664	at	NA	BB636024	NA	NA	6.219	5.840	6.182	6.110	5.896	6.075	6.314	6.164	5.879	5.831	5.873	5.942	5.711	5.864	6.042	6.006	6.102	6.029	6.106	6.178	5.989	5.847	6.156	6.099
1442665	at	C77874	C78196	NA	1	4.405	4.166	4.489	4.467	4.574	4.472	4.304	4.510	4.493	4.438	4.556	4.324	4.389	4.477	4.384	4.557	4.512	4.402	4.587	4.582	4.589	4.432	4.606	4.729
1442666	at	D9Ert2D12e	BG078933	NA	9	5.539	5.343	5.354	5.887	5.196	5.555	5.339	5.464	5.331	5.434	5.280	5.339	5.478	5.473	5.439	5.539	5.394	5.470	5.337	5.454	5.444	5.529	5.351	5.616
1442667	at	Cdc40	AV362104	Mm.46063	10	7.530	7.567	7.417	7.745	7.565	7.789	7.595	7.608	7.708	7.501	7.719	7.530	7.428	7.573	7.599	7.615	7.784	7.731	7.661	7.705	7.602	7.671	7.711	7.763
1442668	at	NA	BG071662	NA	6	6.289	6.088	6.182	6.166	6.178	6.173	6.223	6.212	6.099	6.045	6.056	6.090	6.348	6.064	6.006	6.074	6.329	6.268	6.255	6.264	6.305	6.338	6.258	6.187
1442669	at	NA	BG066793	NA	NA	7.044	6.624	6.872	6.827	6.630	6.915	6.933	6.776	6.522	6.710	6.901	6.664	6.560	6.727	6.827	6.891	6.900	6.797	6.873	7.052	7.002	6.794	6.845	7.149
1442670	at	NA	BE957030	NA	NA	9.035	8.935	8.940	9.010	9.036	8.981	9.101	9.159	9.201	9.063	9.146	8.977	9.145	9.183	9.172	9.096	9.067	9.282	9.106	9.149	9.089	8.771	9.091	9.079
1442671	at	NA	BB210666	NA	NA	7.818	7.608	7.655	7.596	7.577	7.897	7.704	7.676	7.551	7.710	7.728	7.736	7.678	7.706	7.607	7.643	7.520	7.423	7.630	7.497	7.619	8.014	8.090	7.649
1442672	at	0610040F04Rik	BB196580	Mm.395061	6	8.054	7.624	8.109	8.062	7.859	7.967	7.947	8.006	7.902	7.790	7.924	7.853	7.961	7.995	8.018	8.153	8.025	8.040	7.995	8.210	8.060	7.996	8.047	8.199
1442673	at	NA	BB181204	NA	NA	6.605	6.169	6.606	6.533	6.442	6.515	6.694	6.531	6.507	6.629	6.538	6.360	6.451	6.365	6.723	6.552	6.343	6.867	6.547	6.643	6.617	6.545	6.559	6.494
1442674	at	NA	BF661023	NA	NA	5.987	5.740	5.910	5.988	6.106	5.711	5.795	5.880	5.889	5.787	5.938	5.891	5.985	5.632	5.846	5.745	6.038	5.994	6.008	5.968	6.064	6.101	6.000	5.865
1442675	at	NA	BM229155	NA	NA	5.334	4.965	5.465	5.324	5.192	5.164	5.435	5.245	5.187	5.241	5.330	5.011	5.243	5.494	5.282	5.655	4.981	5.261	5.193	5.043	5.237	4.923	5.378	5.890
1442676	at	NA	M60a	Mm.21108	X	6.816	6.986	6.866	6.866	6.986	6.866	6.866	6.168	6.092	6.163	6.386	6.293	6.136	6.057	6.206	6.386	6.293	6.136	6.057	6.206	6.386	6.293	6.136	6.057
1442677	at	NA	AU017542	NA	NA	8.771	8.818	8.904	8.994	8.892	8.472	8.753	8.015	8.687	8.970	8.865	8.939	8.486	8.512	8.806	8.685	8.897	8.545	8.897	8.545	8.897	8.545	8.897	8.545
1442678	at	Ccdc28b	AV986603	Mm.383215	4	5.117	5.181	5.271	5.130	5.006	5.125	5.173	5.182	4.945	5.087	5.135	5.121	5.292	5.334	5.158	5.106	5.047	5.041	5.154	5.249	5.211	5.081	5.155	5.230
1442679	at	NA	BM241898	NA	NA	7.135	7.274	7.098	7.138	7.200	7.366	7.109	6.944	6.882	7.134	7.281	6.883	6.993	6.847	7.080	7.343	7.271	7.129	7.052	7.158	7.067	7.160	7.492	7.237
1442680	at	NA	AW548712	NA	NA	5.693	5.791	5.596	5.377	5.965	5.822	5.700	5.570	6.250	5.993	6.381	5.928	5.967	5.646	5.975	5.862	5.824	5.759	6.051	5.695	5.693	5.528	5.966	5.835
1442681	at	NA	AV294722	NA	NA	6.413	6.127	6.515	6.459	6.309	6.408	6.411	6.512	6.337	6.312	6.308	6.393	6.516	6.470	6.186	6.505	6.553	6.597	6.466	6.652	6.547	6.269	6.324	6.439
1442682	at	NA	BB376471	NA	NA	7.624	7.952	7.605	7.423	8.139	7.680	7.401	7.236	6.952	7.053	7.298	7.073	7.274	7.134	7.126	7.548	7.090	7.213	7.323	7.351	6.968	7.202	7.733	7.125
1442683	at	Hmd20a	BB459907	Mm.150856	9	9.111	9.144	9.131	9.152	9.155	9.001	9.127	9.216	9.080	9.170	8.959	8.998	9.079	8.802	9.065	9.192	9.165	9.084	9.083	9.075	9.236	9.183	9.278	9.106
1442684	at	Hmd20a	BB459907	Mm.150856	9	9.111	9.144	9.131	9.152	9.155	9.001	9.127	9.216	9.080	9.170	8.959	8.998	9.079	8.802	9.065	9.192	9.165	9.084	9.083	9.075	9.236	9.183	9.278	9.106
1442685	at	NA	AU016431	NA	NA	4.825	4.410	4.641	4.656	4.745	4.640	4.653	4.841	4.507	4.398	4.692	4.538	4.682	4.514	4.600	4.569	4.834	4.801	4.636	4.678	4.752	4.745	4.574	4.621
1442686	at	NA	AI849127	NA	NA	7.918	7.606	7.962	7.764	7.581	7.742	7.779	7.585	7.581	7.593	7.788	7.567	7.641	7.621	7.726	7.724	7.834	7.826	7.750	8.068	8.015	8.071	7.751	7.780
1442687	at	1700064N11Rik	AW495408	Mm.401549	5	7.388	7.012	7.278	7.478	7.701	7.181	7.191	7.288	6.914	6.900	7.126	7.150	6.961	6.952	7.252	7.185	7.485	7.300	7.397	7.539	7.444	7.385	7.780	7.274
1442688	at	NA	BG084733	NA	NA	4.650	4.263	4.374	4.441	4.503	4.382	4.647	4.500	4.368	4.474	4.312	4.457	4.597	4.640	4.494	4.586	4.409	4.671	4.475	4.730	4.498	4.386	4.473	4.710
1442689	at	14-Sep	BG079752	Mm.428905	9	6.685	6.457	6.746	6.799	6.737	6.490	6.619	6.670	6.619	6.498	6.704	6.648	6.545	6.560	6.785	6.714	6.616	6.588	6.730	6.922	6.777	6.398	6.851	6.941
1442690	at	Tmem143	BB021560	Mm.163766	7	6.496	6.421	6.363	6.479	6.492	6.525	6.487	6.320	6.453	6.345	6.427	6.271	6.464	6.565	6.379	6.413	6.499	6.489	6.365	6.447	6.531	6.447	6.574	6.308
1442691	at	NA	BG382174	NA	NA	6.896	6.393	6.743	6.828	6.793	6.811	6.897	6.810	6.746	6.833</														

1442739	at	BC031441	BF225404	Mm.441018	17	5.771	5.519	6.050	5.677	5.689	6.141	6.219	5.720	5.970	6.106	5.717	5.949	5.974	6.091	6.129	5.892	6.323	6.410	6.146	6.411	5.865	6.116	5.631	5.992
1442740	at	Prdm5	BM219213	Mm.263355	6	6.790	6.993	7.076	6.873	6.775	7.140	6.927	6.686	7.320	6.937	6.869	6.916	6.913	6.742	7.225	6.882	7.008	6.830	6.904	6.754	6.621	6.767	6.851	6.596
1442741	at	Mcc	BE650309	Mm.312511	18	6.592	6.131	6.379	6.522	6.246	6.280	6.569	6.387	6.329	6.690	6.399	6.307	6.312	6.346	6.266	6.353	6.619	6.243	6.289	6.496	6.561	6.445	6.503	6.388
1442742	at	Atp2c1	BE994454	Mm.326247	9	6.830	5.981	6.580	6.675	6.395	6.447	6.600	6.464	6.356	6.099	6.361	6.322	6.402	6.296	6.351	6.625	6.378	6.452	6.215	6.460	6.365	6.150	6.485	6.379
1442743	at	Yn121332	NA	NA	1	7.004	6.419	7.183	6.909	7.061	7.032	7.060	7.153	7.095	6.875	6.894	7.207	7.352	6.637	7.016	6.941	7.580	7.430	7.248	7.138	7.187	7.566	7.009	7.123
1442744	at	Rbm39	C79248	Mm.392436	2	7.287	7.559	7.811	7.233	6.805	7.639	7.576	7.077	7.287	7.472	6.601	7.310	7.542	7.231	7.267	7.534	7.029	7.343	6.489	6.467	7.794	6.436	6.506	6.436
1442745	x at	Rbm39	C92448	Mm.392436	2	8.603	8.540	9.057	8.406	8.157	8.846	8.838	8.481	8.352	8.551	8.124	8.465	8.155	8.378	8.380	8.766	8.468	8.343	8.507	7.950	8.246	8.987	8.082	8.131
1442746	at	100039094	AW490031	Mm.108695	7	6.870	6.410	6.617	6.648	6.609	6.612	6.679	6.662	6.531	6.531	6.851	6.592	6.571	6.372	6.503	6.593	6.741	6.583	6.667	6.698	6.687	6.760	6.556	6.699
1442747	at	NA	BE951567	NA	NA	5.731	5.343	5.751	5.646	5.664	5.683	5.670	5.791	5.483	5.538	5.700	5.544	5.496	5.717	5.717	5.877	5.584	5.746	5.742	5.896	5.757	5.861	5.512	5.819
1442748	at	Btbd3	BG792981	Mm.153405	2	6.408	5.823	5.977	6.166	6.108	5.932	5.989	6.063	6.040	5.822	6.117	5.882	5.939	5.994	6.031	6.068	6.084	5.959	5.965	6.202	6.233	5.835	6.107	6.070
1442749	at	Braf	BB141769	Mm.245513	6	5.519	5.809	5.885	5.890	5.535	5.890	5.791	5.867	5.847	5.841	5.437	5.985	6.071	5.979	5.999	5.839	5.840	5.776	5.830	5.817	5.818	5.829	5.951	5.797
1442750	at	B3galnt2	BG067768	Mm.21686	13	5.240	5.634	5.490	5.742	5.605	5.687	5.494	5.414	5.348	5.324	5.251	5.441	5.457	5.440	5.478	5.559	5.568	5.746	5.688	5.425	5.502	5.402	5.773	5.342
1442751	at	Trio	AI587721	Mm.211229	15	8.227	7.895	8.170	8.047	7.946	8.045	8.212	7.922	7.805	7.963	8.208	7.788	7.951	7.848	8.107	8.123	7.970	8.119	7.984	8.279	8.054	7.929	8.046	8.015
1442752	at	NA	BE650754	NA	NA	5.249	5.167	5.651	5.411	5.513	5.370	5.440	5.617	5.335	5.168	5.363	5.346	5.413	5.464	5.298	5.752	5.893	5.528	5.521	5.736	5.691	5.841	5.448	5.359
1442753	at	Tnfrap8	BF321807	Mm.27740	18	4.675	4.583	4.605	4.475	4.546	4.669	4.782	4.543	4.675	4.528	4.854	4.189	4.488	4.580	4.634	4.700	4.692	4.388	4.445	4.523	4.481	4.479	4.671	4.566
1442754	at	C030013G03Rik	BE692283	Mm.417145	17	5.252	5.049	5.270	5.221	5.194	5.303	5.568	5.081	5.262	5.043	5.152	4.924	5.092	5.037	5.192	5.279	5.182	5.246	5.251	5.367	5.372	5.241	5.384	5.386
1442755	at	NA	AW125430	NA	NA	4.466	4.382	4.598	4.535	4.430	4.497	4.499	4.523	4.507	4.526	4.476	4.414	4.478	4.322	4.659	4.469	4.487	4.722	4.578	4.411	4.495	4.559	4.468	4.687
1442756	at	NA	BB731013	NA	NA	7.920	7.425	7.950	7.844	7.586	7.713	7.654	7.622	7.420	7.667	7.476	7.666	7.393	7.509	7.240	7.993	7.991	7.829	7.787	8.052	7.865	7.710	7.670	7.782
1442757	at	Lrch1	AI552548	Mm.288868	14	8.672	8.538	8.832	8.672	8.854	8.206	8.419	8.727	8.168	8.526	8.453	8.708	8.703	8.071	8.149	8.794	8.858	8.381	8.014	8.401	8.712	9.027	9.284	8.467
1442758	at	NA	BE691372	NA	NA	4.442	4.280	4.193	4.326	4.275	4.352	4.377	4.271	4.324	4.216	4.206	4.317	4.238	4.234	4.415	4.386	4.398	4.433	4.315	4.512	4.315	4.453	4.537	4.434
1442759	at	Akl1	BE952690	Mm.6645	12	6.593	6.401	6.653	6.537	6.859	6.592	6.575	6.719	6.567	6.567	6.705	6.526	6.636	6.639	6.627	6.780	6.576	6.658	6.621	6.715	6.764	6.518	6.970	6.835
1442760	x at	NA	BB206454	NA	NA	8.204	8.943	7.670	7.768	8.169	7.873	7.851	8.167	9.035	8.717	9.421	8.492	8.189	8.306	8.523	7.661	7.910	7.913	7.593	7.532	7.815	7.827	7.734	7.605
1442761	at	NA	BI499916	NA	NA	7.633	7.550	8.066	7.820	7.728	7.976	7.770	7.531	7.373	7.569	7.347	7.635	7.447	7.478	7.712	7.954	7.764	7.970	7.743	7.847	7.920	7.887	7.937	7.637
1442762	at	Tll10	AW324354	Mm.440232	4	7.939	7.433	7.929	7.843	7.558	7.932	7.947	7.623	7.584	7.652	7.807	7.517	7.645	7.601	7.815	7.886	7.739	7.758	7.817	8.086	7.836	7.574	7.927	8.222
1442763	s at	Tll10	AW324354	Mm.440232	4	6.665	6.606	6.724	6.529	6.652	6.418	6.546	6.726	6.625	6.634	6.505	6.398	6.502	6.606	6.780	6.750	6.635	6.661	6.669	6.644	6.508	6.578	6.583	6.657
1442764	at	Suv420h1	BE456272	Mm.278578	19	8.274	8.375	8.195	8.359	8.083	8.289	8.364	8.458	8.239	8.051	8.180	7.973	7.986	8.112	8.183	8.138	8.340	8.409	8.173	8.383	8.511	8.624	8.380	8.330
1442765	at	NA	BE904755	NA	NA	5.890	5.800	5.865	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589
1442766	at	NA	AI848596	NA	NA	5.947	6.017	5.952	6.163	5.860	5.993	5.960	6.021	6.055	6.017	6.055	6.017	6.055	6.017	6.055	6.017	6.055	6.017	6.055	6.017	6.055	6.017	6.055	6.017
1442767	s at	Uba1	BB738626	Mm.1104	X	4.425	4.451	4.207	4.385	4.309	4.462	4.460	4.539	4.248	4.561	4.287	4.404	4.312	4.499	4.365	4.407	4.259	4.466	4.363	4.346	4.387	4.558	4.222	4.417
1442768	at	E130112L23Rik	BE988719	Mm.9239	14	8.437	8.368	8.245	8.383	8.379	8.103	8.422	8.360	8.525	8.190	8.550	8.359	8.419	8.555	8.295	8.324	8.130	8.280	8.344	8.367	8.552	8.319	8.590	8.404
1442769	at	C030451F13Rik	AW743000	Mm.147208	10	4.643	4.341	4.568	4.546	4.436	4.550	4.583	4.525	4.437	4.522	4.582	4.389	4.511	4.510	4.474	4.653	4.579	4.329	4.578	4.562	4.620	4.442	4.537	4.629
1442770	at	Zfp652	BE962249	Mm.389038	11	4.019	3.966	4.001	3.984	4.092	4.314	4.210	4.114	3.957	3.940	4.015	3.968	3.964	4.026	3.961	4.027	4.007	4.058	3.994	4.025	4.054	4.033	4.064	4.081
1442771	at	NA	BB799477	NA	NA	6.893	6.610	6.661	6.759	6.630	6.644	6.821	6.554	6.511	6.623	6.834	6.446	6.338	6.540	6.747	6.591	6.734	6.677	6.854	6.929	6.661	6.701	6.685	6.639
1442772	at	NA	AW213766	NA	NA	8.306	8.048	8.252	8.337	8.189	8.132	8.527	8.007	8.052	8.203	7.663	8.174	8.195	8.231	8.176	8.379	8.174	8.406	8.388	8.625	8.229	8.096	7.737	8.399
1442773	at	NA	BE681092	NA	NA	4.094	4.060	3.959	3.981	4.284	4.359	4.374	4.296	4.360	4.288	4.103	4.276	4.314	4.294	4.344	4.291	4.394	4.344	4.394	4.344	4.394	4.344	4.394	4.344
1442774	x at	NA	BE687029	NA	NA	5.170	5.221	5.283	5.350	5.505	5.139	5.312	5.296	5.670	5.543	5.515	5.440	5.216	5.267	5.313	5.263	5.684	5.337	5.487	5.328	5.287	5.212	5.339	5.304
1442775	at	Ranqaap1	AI481700	Mm.270975	15	4.992	5.147	4.902	5.590	5.432	5.342	4.971	4.999	4.680	4.739	4.854	4.954	4.798	4.778	4.945	5.107	4.945	5.390	4.785	4.794	5.073	4.955	5.818	4.742
1442776	at	NA	AA024501	NA	NA	7.608	7.212	7.563	7.450	7.374	7.446	7.473	7.491	7.347	7.178	7.475	7.315	7.494	7.364	7.425	7.457	7.418	7.437	7.448	7.515	7.564	7.475	7.522	7.498
1442777	at	NA	AA020017	NA	NA	4.483	4.267	4.573	4.533	4.367	4.514	4.404	4.411	4.371	4.394	4.424	4.407	4.341	4.409	4.369	4.317	4.414	4.296	4.413	4.543	4.400	4.508	4.465	4.485
1442778	at	AA511254	AA516934	NA	9	6.273	5.990	6.201	6.055	6.062	6.170	6.259	6.132	5.941	5.854	6.039	5.812	5.907	6.088	5.986	6.177	6.238	6.188	6.258	6.328	6.262	6.292	6.356	6.182
1442779	at	1700071K01Rik	AI448406	Mm.435528	11	7.778	7.559	7.747	7.764	7.717	7.769	7.918	7.686	7.407	7.265	7.642	7.536	7.485	7.427	7.533	7.848	7.814	7.857	7.876	7.919	7.813	7.595	7.745	7.716
1442780	at	NA	BE940760	NA	NA	6.413	6.049	6.																					

1442828	at	Ifi203	BB200491	Mm.261270	1	8.931	8.612	8.795	8.912	8.794	8.699	8.911	8.817	8.794	8.688	8.777	8.659	8.819	8.838	8.659	8.781	8.771	8.777	8.780	8.769	8.988	8.808	9.033	8.736	
1442829	at	NA	BB128602	NA	NA	7.025	6.688	6.850	6.970	6.808	6.866	6.914	6.797	6.616	6.931	6.895	6.688	6.845	6.692	6.740	6.751	7.034	6.899	6.913	7.109	6.973	6.928	6.936	6.985	
1442830	at	NA	BM936379	NA	NA	5.396	4.857	5.069	5.009	5.154	4.851	4.936	5.036	5.000	4.859	4.990	4.772	4.823	4.868	5.076	5.028	5.031	5.126	5.121	4.975	5.377	5.069	5.021	5.176	
1442831	at	NA	B1134314	NA	NA	5.899	5.839	5.893	6.019	5.918	5.751	5.749	5.876	5.658	5.579	5.835	5.829	5.763	5.752	5.955	5.874	5.825	5.730	5.813	5.935	5.766	5.780	5.823	6.207	
1442832	at	Ankr5d2	AV344312	Mm.440177	10	6.782	7.177	6.782	6.852	6.659	6.719	6.581	6.959	6.722	6.746	6.836	6.770	6.967	6.893	6.848	6.868	6.736	6.898	6.810	6.778	6.474	6.804	6.993	6.489	
1442833	at	D1SErtid30e	BG065715	NA	15	6.310	5.959	6.087	6.372	6.098	6.256	6.419	5.683	5.368	5.756	5.669	5.961	5.921	6.345	6.410	6.075	5.992	5.993	6.232	6.436	6.334	6.338	5.929		
1442834	at	NA	BG070476	NA	NA	7.392	7.171	7.568	7.483	7.403	7.561	7.493	7.254	7.469	7.333	7.164	7.569	7.009	7.078	7.338	7.435	7.399	7.469	7.356	7.332	7.114	7.330	7.538	7.309	
1442835	at	NA	BB536585	NA	NA	6.408	5.832	6.632	6.253	6.231	6.320	6.451	6.402	6.264	5.943	6.375	6.210	6.085	6.135	6.203	6.387	6.361	6.451	6.402	6.692	6.351	6.128	6.405	6.444	
1442836	at	Xpo7	BB210294	Mm.152987	14	4.422	4.069	4.319	4.386	4.223	4.331	4.272	4.062	4.177	4.237	4.155	4.088	4.266	4.244	4.304	4.310	4.166	4.329	4.362	4.534	4.422	4.072	4.425	4.228	
1442837	at	NA	BB134628	NA	NA	4.059	4.173	4.279	4.117	4.201	4.288	4.208	4.133	4.119	4.117	4.188	4.154	4.210	4.238	4.227	4.185	4.193	4.159	4.370	4.131	4.226	4.283	4.253	4.223	
1442838	at	OTTMUSG000000	AV679989	Mm.308684	11	7.734	7.526	7.642	7.711	7.542	7.457	7.656	7.586	7.698	7.412	7.567	7.563	7.505	7.761	7.492	7.749	7.491	7.349	7.606	7.624	7.524	7.557	7.606	7.711	
1442839	at	NA	BB149970	NA	NA	4.626	4.829	4.741	4.664	4.679	4.669	4.791	4.670	4.645	4.602	4.590	4.582	4.685	4.712	4.634	4.700	4.628	4.863	4.815	4.528	4.866	4.926	4.955	4.557	
1442840	at	D4Ertid669e	BG070294	NA	4	6.692	6.451	6.579	7.113	6.670	6.626	6.881	8.856	6.551	6.547	6.834	6.648	6.631	6.639	6.705	6.821	6.667	6.614	6.692	6.869	6.84	6.688	6.766	6.866	
1442841	at	NA	BG071881	NA	NA	6.958	6.837	6.828	6.846	6.676	6.777	6.842	6.852	6.977	6.875	6.948	6.514	7.024	6.912	6.765	6.747	6.857	6.868	6.844	6.823	6.965	6.838	7.008	6.766	
1442842	at	Hsbnap1	BB165102	Mm.45272	16	6.162	5.852	6.034	6.194	6.061	6.053	6.054	6.223	6.035	6.055	6.156	5.969	6.129	6.090	6.123	5.980	6.145	6.120	5.979	6.242	6.312	6.065	6.265	6.220	
1442843	at	4933411D12Rik	AW555863	NA	8	6.557	6.560	6.168	6.290	6.327	6.599	6.369	6.198	6.397	6.362	6.261	6.449	6.406	6.218	6.608	6.238	6.239	6.394	6.570	6.216	6.208	5.939	6.497	6.383	
1442844	at	A830052D11Rik	BB271008	Mm.385109	18	5.996	5.947	5.825	5.895	5.831	5.771	5.861	5.935	6.000	5.807	5.589	5.900	5.877	5.939	5.758	5.709	5.938	5.763	5.866	5.921	5.901	5.904	5.999	5.766	
1442845	at	NA	AV320517	NA	3	8.607	8.929	8.889	8.861	8.935	8.977	8.696	8.664	9.511	9.558	8.946	9.491	9.592	9.176	9.289	8.942	8.811	8.685	9.016	8.812	8.602	7.800	8.795	8.666	
1442846	at	NA	BB469592	NA	NA	6.120	5.936	5.899	6.036	6.017	6.170	6.284	5.846	6.061	6.035	5.940	5.877	6.192	6.078	5.904	6.055	6.096	5.979	6.069	6.394	5.998	6.085	6.601	5.957	
1442847	at	NA	AV255852	NA	NA	4.245	4.137	4.246	4.157	4.027	4.217	4.181	4.106	4.129	4.106	4.113	4.165	4.021	4.061	4.129	4.146	4.163	4.111	4.111	4.106	4.062	4.218	4.183	4.207	
1442848	at	NA	BG068763	NA	NA	4.776	4.719	4.989	4.728	4.746	4.747	4.784	4.934	4.730	4.921	4.813	4.801	4.868	4.634	4.863	4.731	4.839	4.698	4.780	4.925	4.808	4.689	4.958	4.942	
1442849	at	Lrp1	AV345706	Mm.271854	10	7.049	7.743	7.025	6.834	7.723	7.034	6.951	6.929	8.116	7.996	7.095	8.090	7.763	7.345	7.257	6.774	6.451	6.925	7.032	6.655	6.735	6.657	7.009	6.931	
1442850	at	AU045717	BG071977	Mm.421055	8	6.700	5.816	6.615	6.612	6.668	6.644	6.555	6.618	6.562	6.339	6.644	7.617	6.230	6.404	6.531	6.602	6.474	6.411	6.562	6.657	6.420	6.504	6.616	6.586	
1442851	at	C79818	BG066546	NA	10	6.674	6.403	6.652	6.728	6.643	6.619	6.711	6.683	6.553	6.507	6.610	6.409	6.672	6.636	6.615	6.649	6.619	6.527	6.718	6.697	6.743	6.595	6.769	6.661	
1442852	at	NA	BG071417	NA	NA	6.324	6.169	6.203	6.384	6.275	6.207	6.336	6.434	6.457	6.162	6.469	6.110	6.257	6.314	6.276	6.256	6.251	6.223	6.241	6.584	6.261	6.084	6.427	6.283	
1442853	at	Eme2	BB449554	Mm.440199	17	6.203	6.097	5.977	6.111	5.943	5.916	6.000	5.766	5.798	5.794	5.937	5.905	5.907	5.816	5.770	6.076	5.882	6.035	6.171	6.057	6.082	5.893	6.045	5.996	
1442854	at	NA	BG069229	NA	NA	6.806	6.925	6.806	6.916	6.857	6.812	6.676	6.705	6.812	6.733	6.811	5.516	6.788	6.844	6.857	6.924	6.809	6.857	6.924	6.809	6.844	6.924	6.857	6.924	
1442855	at	Dopev1	BB561538	Mm.245500	9	7.838	8.824	8.817	7.943	7.989	7.911	7.697	7.788	7.771	7.799	7.788	7.799	7.788	7.936	7.935	7.887	7.931	7.873	7.873	7.873	7.873	7.873	7.873	7.873	
1442856	at	Adm2	BB705319	Mm.210541	15	7.229	7.003	7.147	7.294	7.127	7.103	7.204	7.319	7.342	7.000	7.062	6.991	7.079	7.168	7.045	7.197	7.350	7.347	7.149	7.265	7.389	7.415	7.338	7.189	
1442857	at	NA	BG068842	NA	NA	5.391	5.286	5.404	5.552	5.280	5.475	5.601	5.566	5.031	5.245	5.323	5.181	5.350	5.362	5.368	5.556	5.461	5.378	5.517	5.504	5.410	5.332	5.455	5.585	
1442858	at	Mycbp2	BG069288	Mm.6478	14	7.839	7.567	7.623	7.497	7.515	7.547	7.596	7.403	7.696	7.474	7.777	7.554	7.945	7.787	7.573	7.509	7.564	7.486	7.424	7.517	7.554	7.423	7.613	7.541	
1442859	at	NA	BG067985	NA	NA	6.236	5.622	6.237	6.145	5.884	5.923	6.162	6.090	5.812	5.448	6.162	5.941	6.080	5.959	6.157	6.267	6.070	6.263	6.311	6.155	6.104	6.230	6.404		
1442860	at	Dqbk	BB429621	Mm.126525	12	3.615	3.622	3.646	3.518	3.640	3.672	3.603	3.669	3.642	3.609	3.595	3.627	3.627	3.670	3.639	3.804	3.531	3.656	3.650	3.591	3.567	3.628	3.647	3.638	
1442861	at	NA	BG068416	NA	NA	0.998	0.859	0.977	0.902	0.931	0.814	0.929	0.972	0.973	0.881	0.921	0.862	0.938	0.836	0.898	0.997	0.184	0.901	0.916	0.912	0.902	0.946	0.943	0.972	
1442862	at	Ankr8Bc	BG065856	Mm.156217	12	5.735	5.936	5.646	5.438	5.329	5.276	5.338	5.367	5.328	5.394	5.371	5.348	5.394	5.372	5.515	5.515	5.515	5.515	5.515	5.515	5.515	5.515	5.515	5.515	
1442863	at	Cacna2d4	BB278653	Mm.440773	6	5.015	4.715	4.934	4.818	4.881	4.956	5.063	5.016	5.021	4.651	4.916	4.905	5.060	4.852	4.996	4.804	4.934	4.663	4.967	4.831	4.946	4.877	4.906	4.965	
1442864	at	Esrra	BB324744	Mm.386776	19	8.593	8.854	8.759	9.009	8.529	8.844	8.724	8.810	8.694	8.958	8.243	8.774	8.531	8.435	8.889	8.721	9.081	9.107	8.876	8.750	8.746	8.842	9.204	8.622	
1442865	at	Dqdk	BB361845	Mm.392752	X	6.335	5.971	5.984	5.917	5.892	6.021	5.988	5.901	5.906	5.764	6.007	5.792	5.917	5.744	5.956	6.017	5.996	5.877	6.072	5.792	6.055	5.915	5.945	5.856	
1442866	at	Rcds1	BB031322	Mm.265552	1	7.929	7.861	7.894	7.980	7.926	7.975	7.642	8.096	7.507	7.692	7.696	7.902	7.696	7.653	7.852	7.798	8.497	8.050	8.096	8.082	8.171	8.642	8.379	7.846	
1442867	at	NA	B0174216	NA	NA	6.470	5.966	6.244	6.352	6.269	6.313	6.360	6.134	6.038	6.136	6.088	6.281	6.075	6.243	6.298	6.164	6.258	6.315	6.329	6.400	6.280	6.498	6.309	6.481	6.445
1442868	at	C130026L21Rik	BB632665	Mm.193276	5	7.723	7.652	7.640	7.689	7.594	7.666	7.707	7.707	7.627	7.618	7.787	7.482	7.574	7.659	7.734	7.792	7.663	7.853	7.794	7.752	8.020	7.812	7.851	7.798	
1442869	at	Dok7	BB278908	Mm.205483	NA	7.827	7.898	7.707	7.989	7.848	7																			

1442917	at	OTTMUSG000000	BM195384	Mm.277966	11	6.665	6.922	6.497	6.687	7.278	6.943	7.065	7.821	7.541	7.321	6.866	7.556	7.364	6.933	7.013	6.468	7.424	7.480	7.011	7.006	7.423	6.997	6.737	6.971
1442918	at	Nav3	AW123147	Mm.225050	10	7.194	6.871	6.620	7.052	6.878	7.178	7.010	7.327	6.971	6.944	7.065	6.954	7.086	7.063	6.755	6.925	7.158	7.013	7.104	7.130	6.904	6.767	6.698	7.027
1442919	at	Sh3pxd2b	BB203810	Mm.227616	11	7.831	7.891	7.570	7.713	7.946	7.604	7.702	7.706	8.142	7.843	8.062	7.826	7.999	7.787	7.612	7.703	7.606	7.639	7.646	7.712	7.642	7.452	7.840	7.798
1442920	at	Klf3	BB128849	Mm.392759	5	5.723	5.887	6.041	5.986	5.966	5.869	5.740	5.936	5.925	6.094	5.640	5.970	5.936	5.904	6.059	5.806	5.672	5.665	5.915	5.649	5.833	5.952	5.167	5.861
1442921	at	NA	AV2335874	NA	NA	7.478	7.269	7.387	7.459	7.438	7.384	7.418	7.457	7.289	7.388	7.419	7.229	7.287	7.382	7.390	7.489	7.417	7.411	7.418	7.674	7.314	7.310	7.379	
1442922	at	Chfr	BB184676	Mm.30264	5	5.088	5.294	5.231	5.394	5.229	5.167	5.000	5.318	5.338	5.219	5.452	5.240	5.267	5.008	5.116	5.327	5.240	5.254	5.262	5.229	5.147	5.263	5.296	5.142
1442923	at	Plk6	AV240908	Mm.44378	2	4.319	4.243	4.168	4.186	4.177	4.306	4.254	4.181	4.266	4.119	4.129	4.253	4.020	4.123	4.213	4.116	4.228	4.340	4.135	4.206	4.094	4.260	4.044	4.059
1442924	at	NA	BB430910	NA	NA	6.876	6.596	6.865	7.033	6.918	6.959	7.160	6.881	6.823	6.688	7.035	6.711	6.916	6.944	6.985	7.039	6.999	6.979	7.087	7.272	6.910	6.905	6.978	6.899
1442925	at	2610207I05RIK	C80870	Mm.309053	7	5.372	5.339	5.243	5.230	5.204	5.236	5.356	5.158	4.958	5.188	5.288	5.016	5.217	5.035	5.204	5.369	5.050	5.211	5.191	5.193	4.984	5.302	5.686	5.257
1442926	at	NA	AI449670	Mm.32214	13	4.940	4.664	4.907	4.857	4.878	4.987	5.001	4.786	4.802	4.837	5.039	5.016	4.887	4.744	5.046	5.030	4.963	5.039	4.920	5.190	4.868	4.845	4.942	5.205
1442927	at	Plk2b	BB548690	Mm.21613	14	7.947	7.622	7.910	7.889	7.880	7.651	7.760	7.861	7.871	7.827	7.753	7.746	7.886	7.762	7.897	7.936	7.968	8.013	8.015	7.943	7.931	7.854	7.892	8.033
1442928	at	NA	AI481757	NA	NA	6.029	5.747	5.537	5.595	5.650	5.482	5.670	5.576	5.372	5.629	5.784	5.637	5.433	5.551	5.505	5.529	5.714	5.444	5.533	5.458	5.468	5.662	5.432	5.567
1442929	at	NA	BE945789	NA	NA	4.575	4.269	4.482	4.533	4.583	4.343	4.563	4.553	4.550	4.514	4.548	4.383	4.471	4.763	4.479	4.449	4.568	4.734	4.745	4.737	4.437	4.606	4.495	4.622
1442930	at	AW061147	AW061147	Mm.437383	1	5.617	5.694	5.668	5.799	5.512	5.693	5.777	5.601	5.514	5.532	5.713	5.624	5.647	5.591	5.728	5.851	5.840	5.680	5.649	5.727	5.676	5.668	5.668	5.699
1442931	at	NA	AV310518	NA	NA	7.297	7.140	7.241	7.420	7.407	7.309	7.074	7.168	7.647	7.612	7.188	7.408	7.158	7.060	7.372	7.323	7.401	7.411	7.290	7.373	7.046	7.125	7.398	7.270
1442932	at	C79709	BG066437	NA	7	7.047	6.740	7.164	6.814	6.733	6.971	7.161	6.747	6.776	6.947	6.978	6.795	6.945	6.926	6.896	6.977	6.946	7.094	7.035	7.183	6.961	7.115	6.984	7.221
1442933	at	Foxk2	BB046659	Mm.209750	11	7.082	6.688	6.985	6.961	6.926	6.824	6.790	6.879	6.925	6.788	6.941	6.693	6.942	6.904	6.944	6.810	6.814	6.877	6.793	6.997	7.017	6.992	6.856	6.872
1442934	at	C81608	BG067071	NA	6	6.674	6.394	6.530	6.579	6.555	6.507	6.576	6.514	6.645	6.479	6.584	6.604	6.561	6.605	6.575	6.583	6.462	6.450	6.677	6.622	6.613	6.502	6.629	6.770
1442935	at	C81452	BG067040	NA	18	7.549	7.159	7.302	7.328	7.265	7.128	7.364	7.396	7.245	6.969	7.340	7.321	7.207	7.330	7.170	7.257	7.429	7.246	7.322	7.210	7.458	7.273	7.278	7.328
1442936	at	NA	AV229522	NA	NA	4.488	4.244	4.500	4.508	4.476	4.442	4.395	4.552	4.367	4.354	4.412	4.266	4.487	4.468	4.237	4.358	4.394	4.404	4.305	4.378	4.422	4.426	4.297	4.415
1442937	at	C77190	BG065805	NA	5	4.234	4.062	4.365	4.257	4.058	4.394	4.374	4.375	3.993	4.038	4.137	4.165	4.085	3.926	4.054	4.274	4.271	4.253	4.125	4.302	4.457	4.319	4.044	4.202
1442938	at	D12Erd1247e	BG066579	NA	12	4.244	3.987	4.102	4.112	4.069	3.977	3.944	4.082	4.018	3.980	4.018	4.059	4.024	4.103	3.940	4.216	4.102	4.053	4.182	4.156	4.107	4.133	4.128	4.124
1442939	at	Rlf1	BG065807	Mm.254530	2	7.722	7.457	7.441	7.557	7.413	7.781	7.545	7.201	6.894	7.413	7.208	7.160	7.064	7.295	7.285	7.691	7.629	7.261	7.589	7.425	7.412	7.585	7.527	7.633
1442940	at	BC018101	BG067902	Mm.441077	17	5.561	5.606	5.427	5.492	5.492	5.221	5.381	5.610	5.455	5.498	5.506	5.413	5.373	5.364	5.666	5.471	5.639	5.312	5.603	5.441	5.510	5.559	5.548	5.300
1442941	at	C77027	BG065788	NA	11	7.777	7.562	7.643	7.655	7.620	7.630	7.613	7.657	7.606	7.646	7.723	7.492	7.616	7.626	7.658	7.664	7.924	7.644	7.597	7.670	7.591	7.613	7.627	7.683
1442942	at	Eif4h	BG069817	Mm.27955	5	7.019	6.760	6.962	6.893	6.840	6.808	6.901	6.816	6.883	6.749	6.989	6.707	6.939	7.031	6.857	6.984	6.746	6.790	7.027	6.944	6.870	6.860	7.079	7.025
1442943	at	NA	Mm.326130	Mm.346654	2	5.823	5.398	5.683	5.576	5.746	5.505	5.592	5.766	5.813	5.598	5.511	6.019	5.516	5.786	5.690	5.917	5.678	6.042	5.751	5.891	5.884	5.854	5.884	5.854
1442944	at	NA	BG065099	NA	4	6.532	6.381	6.447	6.511	6.383	6.450	6.572	6.797	6.421	6.415	6.341	6.566	6.428	6.311	6.608	6.545	6.481	6.420	6.640	6.474	6.553	6.489	6.168	5.871
1442945	at	2010109K09RIK	BG072448	NA	2	5.508	5.774	5.483	5.474	5.647	5.271	5.435	5.018	6.010	5.631	5.679	5.444	5.466	5.703	5.466	5.424	5.180	5.367	5.573	5.568	5.143	5.351	5.685	5.384
1442946	at	NA	BG05349	NA	NA	7.872	7.739	8.168	7.947	7.890	7.894	7.979	7.825	7.858	7.885	7.769	7.761	7.758	7.828	8.020	7.737	7.893	7.848	7.870	7.843	7.840	6.862	7.755	
1442947	x	at	NA	NA	6.331	5.791	6.201	5.737	6.452	5.955	6.269	5.869	5.669	5.908	5.273	5.566	5.458	5.272	5.939	6.028	6.544	6.109	5.839	6.754	5.770	5.887	6.135	5.956	
1442948	at	C79452	BG066517	NA	3	5.702	5.096	5.609	5.661	5.520	5.602	5.555	5.756	5.591	5.172	5.484	5.453	5.274	5.674	5.609	5.767	5.699	5.327	5.646	5.753	5.620	5.585	6.756	6.643
1442949	at	NA	BG068088	NA	NA	6.613	6.005	6.499	6.568	6.339	6.453	6.272	6.632	6.208	6.164	6.502	6.267	6.347	6.292	6.445	6.611	6.360	6.356	6.475	6.552	6.599	6.356	6.572	6.487
1442950	at	NA	BB024097	NA	NA	7.518	6.962	7.370	7.449	7.397	7.376	7.602	7.289	7.313	7.366	7.427	7.218	7.463	7.530	7.471	7.508	7.410	7.458	7.552	7.654	7.543	7.721	7.563	7.296
1442951	at	NA	BG072412	NA	NA	7.820	7.220	7.930	7.999	7.856	7.527	7.779	7.437	7.727	7.727	7.832	7.768	7.985	7.989	7.642	7.676	7.596	7.578	7.599	7.658	7.689	7.689	7.689	7.658
1442952	at	NA	BG066106	NA	NA	6.701	6.429	6.404	6.356	6.417	6.238	6.120	6.371	6.467	6.270	6.580	6.378	6.208	6.385	6.322	6.263	6.303	6.338	6.357	6.462	6.292	6.089	6.216	6.063
1442953	at	NA	BG069609	NA	NA	7.688	7.595	7.891	7.769	7.886	7.863	7.746	7.611	7.730	7.814	7.804	7.882	7.830	7.872	8.059	7.984	7.629	7.837	7.822	7.828	7.912	7.851	7.978	7.763
1442954	at	NA	BG069418	NA	NA	5.146	5.047	5.142	5.288	5.147	5.377	5.313	5.130	5.239	5.204	5.257	5.235	5.224	5.214	5.284	5.317	5.289	5.323	5.362	5.718	5.482	5.331	5.288	5.470
1442955	at	NA	BG069257	NA	NA	5.640	5.450	5.536	5.754	5.602	5.707	5.656	5.738	5.733	5.763	5.258	5.716	5.771	5.545	5.505	5.666	5.697	5.561	5.710	5.810	5.896	5.529	5.816	5.936
1442956	at	NA	BG06735	NA	NA	6.735	6.717	6.789	6.833	6.814	6.831	6.771	6.656	6.814	6.954	7.066	6.684	6.703	6.970	6.948	6.874	6.815	6.673	6.769	6.982	6.855	6.577	7.000	6.772
1442957	at	G730013B05RIK	BG075059	Mm.427671	16	5.998	5.366	5.737	6.044	5.431	5.732	5.832	5.514	5.477	5.759	7.783	5.474	5.664	5.596	5.703	5.857	5.815	5.861	5.867	5.903	5.961	5.741	5.985	5.976
1442958	at	NA	BG067414	NA	NA	5.715	5.206	5.822	5.534	5.606	5.822	5.436	5.202	5.558	5.828</														

1443006	at	NA	BG073135	NA	NA	7.064	6.638	6.992	6.839	6.673	6.958	6.890	6.852	6.653	6.435	6.817	6.537	6.640	6.720	6.755	6.851	6.957	7.228	6.841	6.841	6.677	6.540	6.794	6.814	
1443007	at	NA	AW545941	NA	NA	7.016	7.065	6.852	6.984	6.854	6.670	6.979	6.908	6.661	6.622	6.955	6.824	6.967	7.044	6.583	7.132	7.155	6.966	7.075	7.119	6.924	6.810	6.963	6.969	
1443008	at	Msi2	BB377578	Mm.400451	11	7.404	7.259	7.392	7.614	7.453	7.475	7.395	7.368	7.074	7.088	7.288	7.189	7.185	7.296	7.287	7.088	7.488	7.445	7.498	7.527	7.589	7.628	7.437		
1443009	at	NA	BB245579	NA	NA	6.912	6.857	7.038	6.980	6.821	7.024	7.151	6.889	6.891	6.905	6.872	7.030	6.881	6.781	7.025	7.076	7.040	6.992	7.040	7.007	6.792	6.889	6.688	6.987	
1443010	at	NA	BB127935	NA	NA	5.562	5.703	5.239	5.155	5.173	5.375	5.491	5.180	5.367	5.412	5.307	5.382	5.406	5.255	5.258	5.277	4.992	5.179	5.181	5.044	5.168	4.986	5.234	5.276	
1443011	at	Prmt7	BB534788	Mm.251804	8	4.451	4.430	4.340	4.281	4.409	4.284	4.366	4.445	4.405	4.383	4.621	4.301	4.519	4.403	4.470	4.396	4.318	4.427	4.435	4.437	4.183	4.585	4.427		
1443012	at	NA	BB291827	NA	NA	4.850	5.010	4.837	4.795	4.745	4.398	4.814	5.168	4.696	4.800	4.951	5.042	5.004	4.760	4.980	4.726	4.474	4.789	4.802	5.036	5.324	4.372	4.976		
1443013	at	NA	AW552390	NA	NA	4.661	4.597	4.803	4.735	4.726	4.618	4.569	4.604	4.747	4.711	4.641	4.660	4.629	4.522	4.648	4.678	4.476	4.734	4.797	4.755	4.571	4.526	4.560	4.864	
1443014	at	483340315IRik	BG068822	Mm.26379	18	4.462	4.310	4.601	4.260	4.122	4.392	4.254	4.471	4.337	4.373	4.404	4.353	4.314	4.312	4.261	4.588	4.362	4.450	4.518	4.349	4.386	4.437	4.375	4.390	
1443015	at	Rhoh	BB208956	Mm.20323	5	5.311	5.076	5.149	5.128	5.077	5.237	5.289	5.329	5.217	5.210	5.165	4.758	5.234	5.263	5.210	5.183	5.202	5.312	5.325	5.272	5.335	5.110	5.222	5.138	
1443016	at	NA	BB217387	NA	NA	7.500	7.199	7.466	7.494	7.423	7.243	7.508	7.470	7.659	7.727	7.325	7.426	7.319	7.498	7.497	7.640	7.323	7.232	7.395	7.396	7.436	7.267	7.473	7.554	
1443017	at	Cpeb2	BB235708	Mm.7233	5	8.090	8.470	8.054	7.794	7.633	8.115	8.058	8.544	8.334	8.434	8.992	8.457	8.147	8.042	8.394	8.116	8.509	8.271	8.329	8.340	8.350	8.617	8.089	8.177	
1443018	at	NA	BB051952	NA	NA	6.329	6.517	6.534	6.282	6.475	6.441	6.532	6.242	6.659	6.681	6.774	6.293	6.412	6.700	6.440	6.482	6.542	6.417	6.454	6.387	6.649	6.392	6.563	6.485	
1443019	at	NA	BB437814	NA	NA	4.454	4.378	4.373	4.439	4.491	4.484	4.540	4.575	4.740	4.443	5.111	4.405	4.628	4.486	4.391	4.490	4.461	4.593	4.618	4.484	4.508	4.412	4.485	4.589	
1443020	at	Hmbox1	BB027719	Mm.344074	14	7.557	7.389	7.538	7.542	7.556	7.609	7.650	7.330	7.377	7.568	7.335	7.544	7.586	7.570	7.654	7.626	7.292	7.487	7.443	7.766	7.667	7.474	7.761	7.563	
1443021	at	Mthfs	BB205537	Mm.196770	9	7.117	6.439	7.073	6.850	6.858	6.778	6.878	6.832	6.846	6.688	7.059	6.596	6.785	6.781	6.952	7.029	6.656	6.974	6.901	6.911	6.924	6.443	6.936	6.978	
1443022	at	Tctn3	BB137915	Mm.60758	19	5.808	5.775	5.567	5.800	5.891	6.002	5.942	5.791	5.868	5.681	5.820	5.732	5.922	5.891	5.708	5.746	6.556	5.689	5.606	5.898	5.905	5.743	5.841	6.027	
1443023	at	NA	AV242843	NA	NA	7.627	7.570	7.339	7.241	7.384	7.317	7.274	7.474	7.642	7.625	7.407	6.780	7.188	7.581	6.998	7.510	7.778	7.433	7.470	7.187	7.097	7.257	7.259	6.656	
1443024	at	NA	BG077036	NA	NA	5.513	5.161	5.468	5.537	5.403	5.471	5.627	5.477	5.605	5.313	5.717	5.289	5.661	5.547	5.428	5.279	5.246	5.738	5.541	5.638	5.523	5.701	5.722	5.695	
1443025	at	NA	BB332744	NA	NA	5.919	5.622	5.867	6.078	5.948	5.856	5.827	6.079	5.819	5.535	6.128	5.681	5.726	5.836	5.696	5.707	5.938	5.910	5.883	6.094	6.070	5.861	5.851	5.999	
1443026	at	NA	BB337104	NA	NA	4.968	4.920	5.158	5.050	4.880	5.159	4.926	5.049	4.910	4.784	4.992	4.991	4.965	4.876	5.025	5.058	5.101	5.302	4.949	5.145	5.066	5.103	5.045	5.153	
1443027	at	NA	BB667435	NA	NA	7.166	6.880	7.622	7.280	7.611	7.555	7.284	7.098	7.142	7.609	7.174	7.464	7.770	7.662	7.655	7.654	7.255	7.265	7.423	7.639	7.132	7.339	7.354	7.640	
1443028	at	Larp6	BB125580	Mm.44546	9	7.699	7.274	7.399	7.502	7.397	7.500	7.422	7.505	7.353	7.348	7.451	7.178	7.539	7.351	7.516	7.505	7.414	7.501	7.617	7.637	7.580	7.570	7.531	7.533	7.578
1443029	at	Pfifb1p1	AW550306	Mm.103382	6	7.543	7.255	7.242	7.255	7.391	7.125	7.034	7.047	7.611	7.755	7.229	7.596	7.654	7.390	7.439	7.305	7.170	7.187	6.927	7.227	7.327	7.454	7.317	7.355	
1443030	at	NA	BZ304222	Mm.338439	10	6.191	6.105	6.099	6.251	6.301	6.199	6.251	6.271	6.538	6.431	6.034	6.367	6.311	6.511	6.471	6.316	6.306	6.075	6.328	6.104	6.311	6.320	6.210	6.272	
1443031	at	NA	BB526962	NA	NA	6.899	6.550	6.646	6.570	6.637	6.719	6.580	6.399	6.642	6.492	6.647	6.602	6.592	6.693	6.588	6.653	6.731	6.615	6.903	7.085	6.631	6.486	6.660	6.666	
1443032	at	NA	BB506038	NA	NA	5.908	5.734	5.905	5.858	5.756	5.958	5.712	5.858	5.754	5.886	5.954	5.877	5.954	5.854	5.954	5.854	5.954	5.854	5.954	5.854	5.954	5.854	5.954	5.854	
1443033	at	Spm3	BB292231	Mm.329668	19	6.309	6.140	6.307	6.303	6.364	6.484	6.349	6.387	6.085	5.978	6.221	6.243	6.305	6.505	6.345	6.285	6.345	6.345	6.345	6.345	6.345	6.345	6.345	6.345	6.345
1443034	at	Hss1	AV320415	Mm.218381	19	7.001	7.071	7.001	7.010	6.879	7.052	7.192	7.136	7.018	7.059	7.139	7.231	7.160	7.158	7.072	7.078	7.032	6.995	7.074	7.084	6.988	7.084	7.218	7.088	
1443035	at	NA	BG068633	NA	NA	6.544	6.253	6.528	6.577	6.661	6.514	6.617	6.594	6.264	6.251	6.461	6.478	6.466	6.410	6.562	6.744	6.611	6.533	6.710	6.794	6.571	6.553	6.663	6.594	
1443036	at	Zfp804a	BG073535	Mm.119383	2	4.020	3.827	3.972	3.951	3.916	4.099	4.040	4.007	4.040	3.879	3.976	3.888	3.796	3.972	3.926	3.934	4.046	4.042	4.006	4.030	4.046	4.057	3.965	3.962	
1443037	at	NA	BB183534	NA	NA	8.089	8.281	8.169	8.115	8.219	8.414	8.156	7.961	8.212	8.307	7.929	8.344	8.103	8.172	8.246	8.229	8.168	8.508	8.557	8.338	8.214	8.202	8.511	8.084	
1443038	at	NA	BB222041	NA	NA	6.526	5.981	6.683	6.806	6.277	6.593	6.441	6.357	6.115	6.263	6.321	6.163	6.163	6.157	6.458	6.729	6.349	6.538	6.635	6.895	6.482	6.507	7.704	6.523	
1443039	at	Lat2	BB235498	Mm.391375	5	5.953	5.646	5.869	5.895	5.867	5.935	5.970	5.891	5.975	5.848	5.915	5.859	6.009	5.968	5.903	5.971	5.988	6.084	6.140	6.076	5.953	5.725	6.904	6.082	
1443040	at	NA	BB235498	Mm.391375	5	5.953	5.646	5.869	5.895	5.867	5.935	5.970	5.891	5.975	5.848	5.915	5.859	6.009	5.968	5.903	5.971	5.988	6.084	6.140	6.076	5.953	5.725	6.904	6.082	
1443041	at	Spen	BB431247	Mm.299906	4	7.136	6.914	6.928	7.135	7.003	6.943	7.084	6.936	6.966	6.896	7.046	6.736	6.922	7.121	6.902	7.082	7.086	6.860	7.130	6.975	7.008	6.869	6.164	6.878	
1443042	at	NA	AV319139	NA	NA	6.655	6.384	6.449	6.926	6.813	6.367	6.716	6.753	6.888	6.756	6.887	6.513	6.687	6.675	6.747	6.551	6.582	6.449	6.599	6.863	6.761	6.593	6.612	6.767	
1443043	at	Otop2	BB005135	Mm.44542	11	6.490	6.062	6.251	6.280	6.210	6.272	6.375	6.446	6.248	6.151	6.240	6.161	6.112	6.295	6.236	6.477	6.179	5.916	6.185	6.530	6.348	6.130	6.358	6.353	
1443044	at	A830091E24	BB275118	NA	NA	5.704	5.853	6.017	6.638	5.588	5.807	5.944	6.093	5.486	5.585	5.778	5.906	5.952	5.883	6.235	6.022	5.751	6.448	6.016	6.234	5.613	5.782	6.311	5.808	
1443045	at	Ints7	BG083626	Mm.338175	1	6.257	5.924	6.274	5.862	5.940	6.009	6.254	5.918	6.510	5.894	6.030	6.020	5.783	5.953	5.943	6.198	6.047	6.062	6.215	6.299	6.177	5.877	5.876	6.405	
1443046	at	NA	BB042134	Mm.399042	3	5.665	5.520	5.357	5.522	5.796	5.739	5.457	5.786	5.398	5.526	5.367	5.712	5.392	5.567	5.575	5.343	5.834	5.747	6.095	5.469	5.544	5.597	5.639	5.767	
1443047	at	NA	BB434666	NA	NA	4.534	4.763	4.763	4.922	4.764	4.763	4.922	4.764	4.763	4.922	4.														

1443095	at	Na	BB373598	NA	NA	6.416	6.140	6.735	6.798	6.609	6.758	6.567	5.202	5.812	6.458	6.190	5.992	5.791	5.583	6.197	6.775	6.265	6.805	6.285	6.500	6.194	5.998	5.562	6.384
1443096	at	Lca5l	BB042948	Mm.24626	16	6.647	6.606	6.648	6.643	6.609	6.581	6.691	6.896	6.659	6.529	6.666	6.572	6.622	6.580	6.678	6.693	6.738	6.559	6.681	6.664	6.711	6.696	6.595	6.804
1443097	at	NA	BB451832	NA	NA	4.923	4.741	4.894	4.854	4.732	4.818	4.903	4.746	4.526	4.792	4.909	4.798	4.782	4.805	4.909	5.038	4.923	4.899	4.989	5.113	4.689	4.807	4.940	4.984
1443098	at	NA	AV230639	NA	NA	6.995	5.634	5.894	5.939	6.062	5.787	5.901	5.741	5.965	5.864	5.922	5.856	5.874	5.893	5.968	5.764	5.783	5.795	5.906	6.119	5.800	5.752	5.789	6.002
1443099	at	BC087945	BB013571	Mm.309164	15	7.785	7.478	7.469	7.120	7.199	7.248	7.488	7.676	7.680	7.805	8.309	7.362	7.833	7.698	7.611	7.364	6.755	6.859	7.119	7.162	7.476	7.322	7.175	7.954
1443100	at	NA	BB122590	NA	NA	5.783	5.507	5.486	6.187	5.455	6.407	5.791	5.223	5.389	5.348	5.478	5.598	5.471	5.424	5.679	5.545	5.565	5.608	5.545	5.455	5.835	5.935	5.700	
1443101	at	NA	BB132888	NA	NA	3.986	4.038	3.918	3.996	3.921	4.226	4.005	4.006	3.862	3.939	4.129	3.851	3.907	3.853	4.021	4.044	3.789	4.142	4.104	4.257	4.136	3.833	4.016	4.062
1443102	at	Zfp597	BB431420	Mm.379190	16	4.564	4.706	4.662	4.822	4.593	4.634	4.512	4.792	4.778	4.750	4.663	4.782	4.762	4.720	4.486	4.571	4.554	4.523	4.737	4.678	4.723	4.578	4.452	4.610
1443103	at	Gpr146	BB535531	Mm.270003	5	6.664	6.334	6.592	6.678	6.568	6.676	6.700	6.672	6.526	6.193	6.602	6.372	6.530	6.462	6.211	6.546	6.789	6.527	6.560	6.672	6.672	6.692	6.627	6.557
1443104	at	NA	BB541236	NA	NA	6.816	7.075	6.969	7.065	6.821	6.790	6.782	6.547	6.988	6.851	6.791	6.544	6.920	7.443	6.706	7.066	6.307	6.780	6.681	6.813	6.605	6.655	6.855	6.374
1443105	at	NA	BB089420	NA	NA	4.873	4.599	4.854	4.620	4.750	4.838	4.568	4.585	4.521	4.532	4.640	4.679	4.612	4.658	4.661	4.900	4.576	4.650	4.612	4.944	4.651	4.596	4.482	4.510
1443106	at	4930562C15Rik	AV262313	Mm.325551	16	6.883	6.765	6.972	6.971	6.822	6.957	6.836	6.896	7.017	6.822	7.115	6.819	6.864	7.163	6.894	7.034	6.982	6.954	6.949	7.052	7.059	6.884	7.075	7.082
1443107	at	NA	BB050233	NA	NA	8.072	8.031	8.100	7.912	8.280	8.061	7.968	8.218	8.065	8.098	8.189	8.042	8.118	8.206	8.134	8.041	8.028	8.142	7.803	7.659	7.933	8.291	8.092	8.114
1443108	at	NA	BB079339	NA	NA	4.994	5.093	5.600	5.486	5.199	5.304	5.385	4.954	4.891	5.274	5.181	4.911	5.192	5.293	5.159	5.558	5.293	5.179	5.382	5.501	5.290	5.417	5.630	5.544
1443109	at	NA	BB183029	NA	NA	5.894	5.924	5.509	5.844	5.966	5.974	5.858	5.988	6.213	6.010	5.528	6.227	6.049	5.976	6.075	5.588	6.555	6.059	6.129	5.896	6.290	6.273	6.218	5.502
1443110	at	Gtf2e1	BB483579	Mm.287795	16	6.121	5.835	6.321	6.200	5.858	6.259	6.177	6.107	5.929	6.139	6.260	5.810	5.720	6.019	6.313	6.212	5.867	6.182	6.347	6.341	6.149	5.849	6.205	6.285
1443111	at	Plekha1	BB277078	Mm.323554	7	4.269	4.218	4.345	4.382	4.332	4.455	4.372	4.251	4.411	4.312	4.396	4.296	4.337	4.338	4.695	4.230	4.285	4.319	4.360	4.338	4.452	4.137	4.349	4.333
1443112	at	Api5	AV364797	Mm.181824	2	6.215	6.207	6.062	5.876	6.317	6.341	6.115	6.739	6.240	6.236	6.249	6.282	6.234	6.464	6.373	6.076	6.128	6.269	6.367	6.370	6.081	6.261	6.195	6.242
1443113	at	NA	AW557576	NA	NA	4.915	4.812	5.016	4.987	5.380	5.100	5.086	5.267	4.940	4.931	4.992	5.002	5.179	4.966	4.988	4.781	5.306	4.840	4.673	4.836	4.949	5.369	5.069	4.985
1443114	at	Zmyym4	BB377071	Mm.165401	4	6.260	6.312	6.327	6.336	6.421	6.350	6.107	6.222	6.207	5.990	5.771	6.583	6.247	5.863	6.233	6.202	6.521	6.323	6.308	6.332	6.261	6.491	6.044	5.790
1443115	at	NA	BB465968	NA	NA	5.822	5.538	6.238	6.113	5.538	5.945	5.975	5.718	5.284	5.118	5.703	5.804	5.796	5.475	5.311	6.414	6.428	5.102	5.325	5.326	5.411	5.483	5.162	5.140
1443116	at	Psmef4	BB200981	Mm.475978	11	5.765	5.646	6.347	6.128	6.076	6.443	6.250	6.334	5.592	5.437	5.832	6.057	5.735	5.690	6.015	6.101	4.658	6.232	6.323	5.934	6.186	6.811	6.076	6.377
1443117	at	Eval1	BB298032	Mm.250185	1	4.180	4.163	4.330	4.295	4.420	4.322	4.316	4.164	4.044	4.242	4.132	4.165	4.164	4.167	4.241	4.244	4.405	4.221	4.298	4.524	4.245	4.201	4.350	4.508
1443118	at	NA	AV376596	NA	NA	4.691	4.628	4.667	4.863	4.625	4.311	4.726	4.591	4.510	4.724	4.773	4.569	4.292	4.656	4.635	4.560	4.739	4.661	4.614	4.951	4.611	4.738	4.918	4.808
1443119	at	Grm7	AV335221	Mm.240881	6	5.355	5.157	5.174	5.240	5.298	5.072	5.081	5.253	5.300	5.233	5.390	5.041	5.305	5.176	5.311	5.359	5.098	5.190	5.457	5.219	5.169	5.187	5.226	5.175
1443120	at	Ptda2	BB208816	Mm.103782	X	7.162	6.881	7.205	7.061	6.941	7.056	7.264	7.104	6.768	6.900	7.068	6.988	6.967	6.952	7.075	7.163	7.323	7.112	7.071	7.220	7.201	7.021	7.106	7.253
1443121	at	Calococ1	BB039671	Mm.71682	15	6.689	6.681	6.689	6.686	6.684	6.686	6.684	6.686	6.684	6.686	6.684	6.686	6.682	6.681	6.686	6.684	6.686	6.684	6.686	6.684	6.686	6.684	6.686	6.684
1443122	at	NA	BB526945	NA	NA	5.627	5.419	6.423	6.392	6.463	6.507	5.989	5.581	6.568	6.458	6.500	6.448	6.558	6.500	6.448	6.558	6.500	6.448	6.558	6.500	6.448	6.558	6.500	6.448
1443123	at	Tanc2	BB520952	Mm.22501	11	4.366	4.189	4.274	4.497	4.196	4.359	4.384	4.320	4.339	4.320	4.390	4.320	4.477	4.233	4.414	4.246	4.337	4.300	4.259	4.143	4.324	4.354	4.295	4.468
1443124	at	NA	BB091346	NA	NA	4.794	4.759	4.936	4.744	4.971	4.721	4.856	4.996	4.766	4.599	4.739	4.765	4.751	4.807	4.722	4.747	4.778	4.883	4.960	4.763	4.838	4.760	4.940	4.781
1443125	at	Trip12	AV351572	Mm.209265	1	5.313	5.416	5.396	5.158	5.207	5.099	5.248	5.321	5.564	5.370	5.246	5.502	5.445	5.366	5.302	5.121	5.265	5.402	5.012	5.149	5.645	5.247	5.337	5.194
1443126	at	NA	BB499603	NA	NA	4.239	4.015	4.230	4.118	4.187	4.275	4.232	4.192	4.172	4.170	4.257	4.160	4.132	4.273	4.356	4.215	4.265	4.127	4.204	4.219	4.314	4.198	4.439	4.234
1443127	at	9630021D0Rik	BB121734	NA	NA	6.4184	3.888	4.079	4.012	4.035	4.175	3.961	3.777	4.013	3.903	4.144	3.968	3.982	3.993	4.111	3.916	3.770	4.080	4.017	4.269	3.969	3.925	4.106	4.243
1443128	at	Int56	BB529639	Mm.319684	14	7.362	7.216	7.199	6.983	7.375	7.645	7.504	6.938	6.797	7.235	7.184	7.360	7.170	7.545	7.267	7.411	7.147	7.549	7.395	7.427	7.302	7.602	7.267	7.301
1443129	at	628951	BB355057	Mm.428032	16	5.564	5.405	5.385	5.603	5.547	5.483	5.447	5.331	5.684	5.280	5.280	5.435	5.311	5.387	5.294	5.561	5.487	5.687	5.436	5.518	5.522	5.418	5.511	5.417
1443131	at	Lrd1b	BB129908	Mm.441398	2	3.819	3.729	3.849	3.647	3.814	4.064	3.798	3.733	3.804	3.843	3.869	3.736	3.755	3.904	3.795	3.784	3.814	3.925	3.960	3.839	3.767	3.839	3.837	3.928
1443132	at	EGS44809	BB528953	Mm.225144	11	7.231	6.852	7.338	7.412	7.175	7.234	7.421	7.262	7.211	7.067	7.236	7.187	7.147	7.297	7.121	7.418	7.202	7.350	7.277	7.350	7.502	7.305	7.385	7.468
1443133	at	100043072	BB394014	Mm.242832	14	8.050	7.809	8.041	7.902	7.930	7.755	7.981	8.019	8.033	7.784	7.793	7.851	8.059	7.837	7.947	8.024	8.130	7.958	7.992	8.013	8.092	8.105	8.105	8.059
1443134	at	NA	BB277476	NA	NA	5.657	5.366	5.562	5.638	5.567	5.418	5.664	5.463	5.595	5.550	5.649	5.334	5.521	5.465	5.753	5.531	5.569	5.566	5.518	5.574	5.519	5.582	5.861	
1443135	at	Coq4	BB372889	Mm.272930	8	4.141	4.216	4.028	4.149	4.134	4.180	3.956	4.197	4.143	4.144	4.137	4.215	4.121	4.137	4.088	4.204	4.227	4.122	4.045	3.931	4.286	4.153	4.106	4.256
1443136	at	C432459	BB039671	Mm.71682	8	5.529	5.532	5.537	5.538	5.532	5.538	5.537	5.532	5.538	5.537	5.532	5.538	5.537	5.532	5.538	5.537	5.532	5.538	5.537	5.532	5.538	5.537	5.532	5.538
1443137	at	NA	BB542928	NA	NA	6.100	6.663	6.296	6.053	6.666																			

14431904 at	Cdc14a	BB151822	Mm.17647	3	5.141	5.038	4.996	5.171	5.058	5.066	5.127	5.345	5.139	5.082	5.177	5.376	5.181	5.099	5.007	5.059	5.085	5.049	5.138	5.147	5.331	5.078	5.028	5.500
14431885 at	Hlplf2	BB551580	Nm.316553	13	7.870	7.565	7.585	7.732	7.595	7.989	7.810	7.823	7.998	7.855	8.010	7.893	8.113	7.869	7.949	7.774	7.722	7.668	7.787	7.779	7.648	7.501	7.567	7.786
1443186 at	Tmem202	BB549725	Nm.216135	9	4.163	4.058	4.137	4.196	4.180	4.400	4.248	4.039	4.085	4.050	4.005	4.101	4.065	4.113	3.992	4.075	4.074	3.977	4.180	4.105	4.038	3.940	4.088	4.209
1443187 at	Rspo3	AV253077	Mm.45191	10	7.051	6.485	6.980	6.724	6.698	6.725	6.888	6.794	6.649	6.707	6.845	6.589	6.663	6.937	6.917	6.833	6.629	6.977	7.010	7.126	6.967	6.827	7.020	7.253
1443188 at	Ube2w	BB541252	Nm.122430	1	6.475	6.048	6.375	6.604	6.529	6.484	6.633	6.366	6.497	6.485	6.460	6.425	6.528	6.580	6.564	6.471	6.501	6.217	6.439	6.501	6.652	6.531	6.603	6.685
1443189 at	Na	BB803766	NA	NA	5.416	5.048	5.363	5.221	5.281	5.495	5.413	5.335	5.347	5.171	5.255	4.999	5.359	5.378	5.558	5.464	5.224	5.506	5.420	5.432	5.499	5.298	5.440	5.383
1443190 at	Na	BB543181	NA	NA	5.878	5.845	5.973	5.973	5.874	5.973	5.874	5.973	5.973	5.874	5.973	5.874	5.973	5.874	5.973	5.874	5.973	5.874	5.973	5.874	5.973	5.874	5.973	5.874
1443191 at	Na	BB528225	NA	NA	8.761	8.179	7.549	7.172	7.330	7.087	7.482	7.117	7.331	7.410	8.336	7.334	7.097	6.865	7.725	6.868	6.371	6.336	6.321	6.733	7.225	6.542	7.047	7.132
1443192 at	E430004N04Rk	BB803393	Nm.123021	10	5.591	5.457	5.407	5.606	5.447	5.553	5.513	7.110	5.548	5.316	5.743	5.406	5.514	5.660	5.448	5.683	5.491	5.511	5.543	5.617	5.615	5.573	5.615	5.531
1443193 at	Tll1	BB462269	Nm.235007	15	7.629	7.374	7.707	7.698	7.486	7.610	7.651	7.666	7.374	7.388	7.612	7.438	7.536	7.570	7.605	7.579	7.592	7.675	7.537	7.586	7.622	7.465	7.648	7.797
1443194 at	Na	BB837839	NA	NA	6.485	6.471	6.645	6.500	6.440	6.317	6.301	6.573	6.632	6.635	6.543	6.688	6.564	6.579	6.510	6.507	6.466	6.611	6.398	6.552	6.629	6.389	6.564	6.502
1443195 at	Na	B4449984	NA	NA	6.130	5.800	5.926	6.018	6.154	5.580	6.254	6.048	5.886	5.882	6.021	5.901	6.008	6.095	5.912	5.936	6.114	5.928	6.044	5.981	5.981	5.956	6.188	6.607
1443196 at	Na	BB473548	NA	NA	6.197	6.134	6.640	6.437	6.338	6.591	6.333	5.869	5.866	6.510	6.172	6.144	6.341	6.141	6.347	6.611	6.109	6.382	6.621	6.699	6.613	6.252	6.154	6.614
1443197 at	Wnt9b	B1050113	Nm.215611	11	7.133	6.706	6.750	6.160	6.833	7.106	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833	7.106	6.833
1443198 at	Na	BB107751	NA	NA	5.888																							
1443199 at	Lrch3	AV343004	Mm.475672	16	7.048	5.960	7.213	7.130	7.066	7.167	7.142	6.803	6.622	7.071	6.812	7.006	7.040	6.810	7.042	7.158	6.847	7.031	6.983	7.047	6.917	7.028	7.711	7.046
1443200 at	OTTMUSG000000	BB278528	Nm.379490	3	6.534	6.079	6.304	6.330	6.156	6.382	6.290	6.204	6.296	6.220	6.425	6.223	6.283	6.151	6.316	6.295	6.268	6.337	6.360	6.490	6.381	6.446	6.715	6.230
1443201 at	Na	BM119078	NA	NA	6.569	6.271	6.244	6.393	6.284	6.346	6.278	6.485	6.896	6.620	6.408	7.011	7.733	6.755	6.330	6.617	6.221	6.288	6.465	6.280	6.213	6.229	6.284	6.116
1443202 at	Na	B8422075	NA	NA	6.992	6.694	6.902	6.975	6.781	6.896	6.923	6.942	6.747	6.892	6.943	6.664	6.721	6.857	6.721	6.959	6.906	6.920	6.965	7.089	6.980	6.977	7.001	6.965
1443203 at	Na	B433296	NA	NA	7.326	7.352	7.503	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503	7.208	7.503
1443204 at	Na	BB253291	NA	NA	5.372	5.093	5.157	5.155	5.208	5.100	5.278	7.786	5.236	5.196	5.111	5.269	5.055	5.156	5.123	5.055	4.873	5.125	5.077	5.083	5.108	4.912	5.144	5.295
1443205 at	DSBuc30e	AV067727	Nm.475102	5	4.893	4.852	4.985	4.799	4.864	4.905	4.832	4.769	4.645	4.643	4.892	4.714	4.765	4.700	4.802	4.804	4.851	4.926	4.876	5.103	4.839	4.923	4.806	4.869
1443206 at	Na	BG076102	NA	NA	6.963	6.953	6.939	6.686	6.822	6.614	6.736	9.897	7.172	6.970	6.789	6.966	6.815	6.945	6.806	6.842	6.754	6.696	6.776	6.744	6.719	6.727	6.827	6.902
1443207 at	Na	BB084839	NA	NA	6.344	6.050	6.236	6.117	6.003	5.888	5.945	6.228	6.120	5.739	6.097	5.778	5.940	5.916	5.852	5.946	5.952	5.831	6.042	6.128	6.205	6.201	6.019	6.135
1443208 at	Na	BB056087	NA	NA	6.354	6.512	6.396	6.394	6.542	6.134	6.025	5.563	6.844	6.618	6.378	6.478	6.628	6.422	6.352	6.084	6.358	6.288	6.144	6.085	6.408	6.330	6.403	6.235
1443209 at	Na	BB181396	NA	NA	5.019	4.561	4.836	4.655	4.428	4.572	4.946	4.359	4.626	4.503	4.506	4.438	4.578	4.547	4.796	4.730	4.740	4.821	4.795	4.930	4.734	4.646	4.921	4.701
1443210 at	ENSMUSG000000	BB280974	NA	NA	5.444	5.221	5.419	5.204	5.210	5.419	5.204	5.210	5.419	5.204	5.210	5.419	5.204	5.210	5.419	5.204	5.210	5.419	5.204	5.210	5.419	5.204	5.210	5.419
1443211 at	Fofr2	BB464520	Nm.16340	7	6.519	6.169	6.776	6.272	6.312	6.446	6.356	6.356	6.324	6.319	6.681	6.304	6.268	6.643	6.413	6.540	6.427	6.427	6.413	6.493	6.246	6.295	6.504	6.495
1443212 at	Na	BB041834	NA	NA	8.023	7.299	7.782	7.301	7.636	7.430	7.490	6.903	6.514	6.731	7.089	6.870	6.957	6.694	6.574	7.559	6.553	6.710	6.374	6.707	6.947	6.892	7.050	7.566
1443213 at	Gtdc1	BB163885	Nm.314312	2	6.600	6.354	6.498	6.515	6.525	6.599	6.523	6.541	6.271	6.388	6.526	6.478	6.583	6.553	6.624	6.567	6.592	6.792	6.786	6.701	6.367	6.714	6.614	6.806
1443214 at	Na	BB078584	NA	NA	6.724	6.576	6.939	6.756	6.528	6.822	6.686	6.715	6.625	6.578	6.720	7.144	6.842	6.769	7.043	6.615	6.823	6.748	6.691	6.749	6.864	6.848	6.741	6.822
1443215 at	Rims2	BB389017	Nm.309296	15	7.811	7.457	7.652	7.567	7.472	7.602	7.635	7.660	7.551	7.371	7.650	7.404	7.619	7.607	7.593	7.819	7.814	7.761	7.954	7.710	7.686	7.724	7.675	7.727
1443216 at	Na	AV26390	NA	NA	6.719	6.940	6.940	6.719	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630	6.630
1443217 at	Na	AV381015	NA	NA	6.665	5.844	6.655	6.684	6.498	6.554	6.680	6.616	6.578	6.539	6.575	6.535	5.583	6.546	6.604	6.436	6.523	6.394	6.556	6.533	6.424	6.527	6.565	6.570
1443218 at	Na	BB280607	NA	NA	6.499	5.788	5.879	5.549	6.436	6.563	6.137	4.907	5.418	5.485	5.344	6.291	5.233	5.373	5.333	5.711	4.992	5.185	5.076	5.067	5.160	5.106	5.293	5.475
1443219 at	Na	BM232535	NA	NA	11.322	11.048	11.402	11.308	11.481	11.431	11.320	11.107	10.843	11.132	11.265	11.429	11.349	11.064	11.352	11.433	11.130	11.246	11.364	11.369	10.969	11.131	11.166	11.331
1443220 at	Na	BB376163	NA	NA	6.188	6.040	6.039	5.986	5.894	6.087	6.030	6.062	5.853	6.002	5.966	5.904	5.886	5.704	5.995	6.265	5.935	6.014	6.060	6.094	6.085	6.148	6.180	5.971
1443221 at	Na	BB870264	NA	NA	6.047	5.893	5.994	5.347	5.716	5.445	5.568	5.751	5.212	5.199	5.780	5.347	5.319	5.525	5.536	5.923	4.960	5.500	5.086	5.010	5.469	5.472	5.729	5.504
1443222 at	Na	BB341550	NA	NA	6.780	6.671	6.997	6.748	6.916	6.648	6.760	7.019	7.013	7.220	6.687	7.148	7.457	6.979	7.053	6.880	6.573	6.590	6.789	6.674	6.883	6.972	7.025	6.937
1443223 at	Na	BB464479	NA	NA	5.812	5.844	5.935	5.808	5.812	5.844	5.935	5.808	5.812	5.844	5.935	5.808	5.812	5.844	5.935	5.808	5.812	5.844	5.935	5.808	5.812	5.844	5.935	5.808
1443224 at	Enp2	BB179095	Nm.250256	15	4.925	4.782	4.895	4.703	4.725	4.818	5.005	4.841	4.738	4.800	4.977	4.575	4.875	4.853	4.805	4.957	4.846	4.762	5.067	4.800	4.601	4.743	4.738	4.808
1443225 at	Acv1	BB396526	Mm.77751	2	3.899	3.960	3.975	4.044	3.907	4.449	4.017	3.955	4.103	3.985	4.033	3.913	3.795	3.887	3.910	3.889	3.996	4.098	4.147	3.939	3.970	3.942	3.841	3.799
1443226 at	Bz7407OL24Rk	AV319129	Nm.33937	3	6.482	6.366	6.462	6.346	6.551	6.426	6.379	6.553	6.263	6.620	6.402	6.649	6.733	6.566	6.542	6.336	6.429	6.430	6.534	6.422	6.487			

1443273	at	NA	B8529019	NA	NA	5.525	5.324	5.445	5.272	5.365	5.325	5.272	5.407	5.397	5.313	5.394	5.323	5.548	5.137	5.225	5.493	5.445	5.396	5.397	5.380	5.588	5.121	5.393	5.328
1443274	at	4932435O22Rik	AV276688	Mm.50754	11	4.733	4.468	4.786	4.928	4.510	5.092	4.648	4.804	4.732	4.715	4.717	4.529	4.659	4.743	4.818	4.969	4.927	5.027	4.817	5.049	4.776	4.598	4.789	4.848
1443275	at	NA	AW556394	NA	NA	6.750	6.548	6.519	6.646	6.539	6.493	6.596	6.609	6.757	6.360	6.656	6.375	6.568	6.553	6.682	6.452	6.500	6.561	6.641	6.582	6.525	6.513	6.763	6.659
1443276	at	Htr5a	B8432990	Mm.4835	5	5.884	5.386	5.918	5.659	5.571	5.654	5.812	5.602	5.523	5.541	5.745	5.419	5.704	5.629	5.727	5.826	5.659	5.731	5.784	5.982	5.808	5.688	5.605	5.778
1443277	at	Ndm3	B8392260	Mm.443908	3	6.389	6.472	6.668	6.735	6.603	6.788	6.971	6.730	6.633	6.606	6.810	6.383	6.469	6.562	6.755	6.765	6.682	6.769	6.811	6.944	6.757	6.759	6.889	6.804
1443278	at	NA	B8470257	NA	NA	4.147	4.154	4.078	4.204	4.238	4.307	4.191	4.282	4.272	4.254	4.369	4.320	4.256	4.202	4.263	4.369	4.320	4.224	4.230	4.175	4.370	4.224	4.239	
1443279	at	NA	B8204492	NA	NA	5.708	5.708	5.746	5.888	5.914	6.040	5.868	5.773	5.975	6.021	5.626	6.064	5.919	5.867	5.952	6.264	5.730	6.147	5.824	5.900	5.816	5.769	5.614	5.712
1443280	at	2610301B20Rik	B8307026	Mm.440552	4	4.090	4.060	4.017	4.395	4.114	4.405	4.179	4.205	4.026	3.920	4.141	4.108	4.040	4.189	4.249	4.019	4.048	4.089	4.157	4.212	4.189	4.038	4.235	4.019
1443281	at	Nrcam	B8297094	Mm.208439	12	5.056	4.734	4.782	5.048	4.942	4.938	4.871	4.784	4.982	4.887	5.093	4.750	5.035	4.836	4.815	4.960	4.698	4.852	5.000	5.078	4.930	4.833	5.049	4.788
1443282	at	Prpf38a	B8556993	Mm.157534	4	5.640	5.286	5.449	5.339	5.275	5.572	5.636	5.048	5.079	5.287	5.505	4.895	5.406	5.419	5.492	5.578	5.550	5.687	6.172	5.676	5.504	5.815	5.545	5.621
1443283	at	NA	B8536651	NA	NA	6.286	5.980	6.135	6.190	6.162	5.958	6.020	6.147	6.049	5.800	5.999	6.123	6.231	5.961	6.063	5.949	5.995	6.084	6.116	5.979	5.930	6.249	6.039	
1443284	at	NA	B8189943	NA	NA	4.928	4.808	4.942	4.967	4.754	4.966	5.153	5.041	4.833	4.978	4.941	4.914	4.968	4.995	4.974	4.871	5.034	5.016	5.095	5.016	5.104	5.015	4.937	5.301
1443285	at	NA	B8454536	NA	NA	5.607	5.338	5.384	5.378	5.408	5.547	5.565	5.386	5.303	5.443	5.456	5.406	5.113	5.331	5.389	5.481	5.490	5.461	5.498	5.725	5.409	5.442	5.641	
1443286	at	AU019754	BG069560	NA	15	8.098	7.887	8.079	8.103	7.879	8.299	8.118	7.806	7.707	7.783	7.914	7.962	7.751	7.892	7.957	8.176	7.766	7.925	7.907	8.018	7.879	7.823	8.075	8.118
1443287	at	Gm1337	B8555669	Mm.35758	2	6.770	6.835	6.874	6.842	6.989	6.854	6.868	6.646	7.038	6.839	6.702	7.021	7.201	6.774	6.920	6.896	6.955	6.884	6.935	7.034	7.025	6.941	6.969	6.934
1443288	at	Traf6	AV244412	Mm.292729	2	5.905	5.669	5.920	5.975	5.894	5.915	5.700	5.921	5.842	5.778	5.967	5.673	5.940	5.840	5.882	5.922	5.762	5.835	5.838	5.885	5.725	5.812	5.993	6.047
1443289	at	NA	B8353399	NA	NA	7.899	7.432	7.483	7.779	7.663	7.635	7.597	7.555	7.375	7.411	7.351	7.580	7.367	7.358	7.440	7.613	7.619	7.615	7.504	7.703	7.846	7.827	7.948	6.772
1443290	at	NA	AV327713	NA	NA	6.413	6.253	6.245	6.332	6.228	6.233	6.364	6.185	6.388	6.248	6.173	6.107	6.294	6.421	6.189	6.417	6.238	6.233	6.543	6.497	6.200	6.065	6.363	6.171
1443291	at	Ank1	AV332053	Mm.334444	8	7.799	7.520	7.758	7.860	7.700	7.782	7.851	7.777	7.686	7.504	7.864	7.612	7.705	7.747	7.621	7.844	7.712	7.563	7.586	7.713	7.873	7.554	7.828	7.862
1443292	at	NA	BG083669	NA	NA	4.454	4.281	4.648	4.633	4.414	4.546	4.882	4.502	4.390	4.328	4.588	4.459	4.615	4.493	4.615	4.502	4.429	4.628	4.625	4.854	4.716	4.365	4.459	4.869
1443293	at	NA	B8373874	NA	NA	7.156	7.177	7.600	7.350	6.971	7.644	7.235	6.750	6.865	6.913	7.764	7.129	6.862	6.965	7.232	7.540	6.871	7.565	7.124	7.277	6.940	6.878	7.609	7.248
1443294	at	Crkrs	B8039020	Mm.260516	11	4.552	4.772	4.678	4.638	4.667	4.730	4.675	4.722	4.773	4.615	4.678	4.898	4.580	4.638	4.714	4.628	4.629	4.603	4.518	4.452	4.767	4.981	4.724	4.513
1443295	at	NA	BG083660	NA	NA	4.385	4.297	4.430	4.213	4.378	4.372	4.480	4.191	4.230	4.407	4.608	4.290	4.463	4.370	4.352	4.568	4.428	4.352	4.453	4.635	4.486	4.356	4.374	4.443
1443296	at	Pctk1	AW539955	Mm.102574	X	5.858	5.874	5.719	5.937	5.730	5.948	5.543	5.656	5.856	5.763	5.718	5.824	5.741	5.756	5.732	5.593	5.861	5.712	5.627	5.771	5.796	5.599	5.783	5.681
1443297	at	NA	AV344371	NA	NA	6.105	5.940	6.100	6.151	6.069	5.886	5.889	6.116	6.204	6.157	6.193	5.970	6.082	6.224	6.153	6.191	6.121	5.966	6.180	6.015	6.242	6.183	6.146	5.963
1443298	at	Fbxw13	B8555130	Mm.225242	9	5.048	4.932	4.985	5.077	5.068	4.949	5.042	4.977	4.923	4.832	4.954	4.840	4.816	4.749	4.955	5.029	4.910	4.785	4.898	5.027	5.049	5.022	5.050	4.850
1443299	at	Ndm3	Mm.282900	8	11.339	9.410	10.191	9.777	10.027	10.094	9.751	9.977	9.812	9.611	9.640	9.816	9.325	9.379	9.369	9.399	10.369	9.532	9.516	9.516	9.516	9.516	9.516	9.516	9.516
1443300	at	NA	B8204535	NA	NA	7.014	7.006	6.972	7.106	6.960	6.960	7.091	7.257	7.322	7.088	7.050	7.307	7.170	7.006	6.969	7.192	7.226	7.170	7.088	7.078	7.078	7.078	7.078	7.078
1443301	at	NA	B8183574	NA	NA	4.235	4.073	4.202	4.225	4.400	4.180	4.338	4.079	3.996	4.022	4.234	3.937	4.163	3.998	4.042	4.209	4.181	4.152	4.179	4.293	4.060	3.930	4.109	4.206
1443302	at	672040319M1Rik	B8472466	NA	6	7.482	7.606	7.566	7.669	7.643	7.714	7.511	7.818	7.584	7.768	7.738	8.071	7.720	7.690	7.847	7.384	7.975	7.701	7.961	7.716	7.603	7.902	7.769	7.343
1443303	at	NA	B8530192	NA	NA	4.959	5.249	5.324	5.315	5.286	5.284	5.045	5.231	5.277	5.136	5.216	5.237	5.139	5.324	5.161	5.312	5.197	5.164	5.159	5.151	5.094	5.001	5.238	5.184
1443304	at	Mtlf5	B8546375	Mm.209941	19	6.136	6.063	6.200	6.263	6.284	6.391	6.344	6.220	6.099	6.163	5.967	6.146	6.190	6.392	6.390	6.111	6.319	6.533	6.423	6.211	6.206	6.543	6.433	
1443305	at	NA	B8475728	NA	NA	4.377	4.297	4.281	4.246	4.205	4.214	4.305	4.249	4.301	4.354	4.101	4.278	4.167	4.210	4.283	4.320	4.335	4.399	4.385	4.345	4.414	4.167	4.616	4.267
1443306	at	NA	B8380163	NA	NA	8.414	7.964	8.393	8.647	8.438	8.542	8.526	8.176	7.548	7.702	7.811	8.249	8.049	7.818	7.610	8.432	8.628	8.667	8.518	8.526	8.566	8.455	8.614	8.485
1443307	at	NA	B8461728	NA	NA	6.186	6.196	6.407	6.433	6.225	6.076	6.420	5.924	6.913	6.920	6.818	6.779	6.830	6.924	6.830	6.924	6.830	6.924	6.830	6.924	6.830	6.924	6.830	6.924
1443308	at	Unc13b	AV231882	Mm.128892	4	5.449	5.354	5.453	5.421	5.391	5.374	5.243	5.237	5.303	5.493	5.337	5.398	5.212	5.499	5.471	5.529	5.321	5.475	5.430	5.493	5.457	5.338	5.251	5.450
1443309	at	Pdcn3	BG074641	Mm.321654	6	5.104	4.985	5.057	5.188	5.068	5.040	5.015	5.124	5.235	4.960	5.211	4.954	5.017	5.096	5.242	5.310	5.071	5.031	5.048	4.873	5.166	4.972	5.095	5.208
1443310	at	Nup210	B8073632	Mm.28162	6	4.451	4.052	4.275	4.485	4.148	4.637	4.250	4.186	4.344	4.231	4.229	4.291	4.284	4.355	4.183	4.529	4.113	4.398	4.278	4.395	4.269	4.213	4.278	4.343
1443311	at	Thap4	B8298086	Mm.272356	1	4.560	4.608	4.569	4.692	4.675	4.719	4.670	4.805	4.733	4.448	4.681	4.537	4.858	4.727	4.705	4.749	4.706	4.566	4.669	4.618	4.657	4.687	4.711	4.637
1443312	at	C76133	NA	NA	NA	5.168	5.277	5.156	5.055	4.964	5.170	5.055	5.237	5.105	5.251	5.100	4.990	4.959	5.021	5.160	5.009	5.144	5.117	5.156	5.155	5.017	4.989	5.161	5.368
1443313	at	A530058N18Rik	B8282582	Mm.330469	2	4.652	4.491	4.667	4.615	4.457	4.569	4.650	4.780	4.606	4.565	4.657	4.629	4.599	4.767	4.620	4.754	4.584	4.614	4.609	4.687	4.527	4.605	4.525	4.838
1443314	at	2410042D21Rik	B8380163	Mm.475933	2	6.235	6.193	6.203	6.240	6.235	6.240	6.240	6.240																

1443362	at	Zfp277	BM247458	Mm.26852	12	7.776	7.566	7.762	7.755	7.658	7.759	7.795	7.830	7.667	7.400	7.655	7.605	7.647	7.632	7.562	7.710	7.681	7.517	7.650	7.853	7.768	7.918	7.503	7.662
1443363	at	NA	BB470362	NA	NA	5.855	5.874	6.053	6.172	6.217	5.927	5.854	5.909	5.918	6.061	6.119	5.968	6.069	5.766	6.021	6.254	6.378	6.143	6.049	5.925	6.061	6.436	6.130	6.193
1443364	at	NA	BF467092	NA	NA	4.980	4.662	5.203	4.884	5.121	5.379	4.980	4.909	4.718	4.971	5.045	4.966	4.921	4.723	5.020	5.020	4.857	5.186	4.987	5.498	5.099	5.003	5.085	5.270
1443365	at	Htr4	BB431008	Mm.20440	18	4.331	4.339	4.392	4.495	4.396	4.517	4.460	4.251	4.403	4.509	4.483	4.425	4.414	4.364	4.614	4.393	4.343	4.566	4.517	4.404	4.459	4.389	4.385	4.436
1443366	at	Napd	BG076030	Mm.292687	18	6.341	6.298	6.425	6.551	6.389	6.587	6.222	6.350	6.188	6.310	6.174	6.443	6.141	6.229	6.397	6.138	6.124	6.208	6.456	6.177	6.294	5.908	6.448	6.311
1443367	at	NA	BB130472	NA	NA	4.579	4.493	4.455	4.451	4.398	4.438	4.498	4.334	4.470	4.445	4.394	4.324	4.545	4.351	4.613	4.507	4.554	4.431	4.894	4.648	4.366	4.356	4.425	
1443368	at	BB557541	AV260036	Mm.188065	2	5.727	5.743	5.995	5.867	5.539	5.883	5.917	5.846	5.766	5.600	5.581	5.681	6.003	5.769	6.042	5.763	5.760	5.571	5.923	5.917	5.758	5.573	5.806	5.832
1443369	at	Vwa5b2	BB392984	Mm.390892	16	6.876	6.430	6.857	6.665	6.463	6.690	6.703	6.652	6.513	6.389	6.476	6.392	6.534	6.619	6.406	6.622	6.660	6.554	6.636	6.778	6.824	6.603	6.678	6.533
1443370	at	NA	BG069943	NA	NA	3.807	3.559	3.759	3.675	3.776	3.822	3.793	3.614	3.719	3.688	3.836	3.718	3.613	3.817	3.673	3.815	3.618	3.761	3.830	3.907	3.790	3.702	3.698	3.737
1443371	at	NA	AW547549	NA	NA	4.565	4.445	4.387	4.335	4.382	4.368	4.492	4.535	4.434	4.426	4.489	4.420	4.340	4.595	4.400	4.434	4.444	4.631	4.397	4.435	4.466	4.385	4.472	4.458
1443372	at	NA	100040834	MM.417690	14	6.013	5.764	5.841	5.981	5.974	5.850	6.125	5.879	5.877	5.626	5.984	5.758	6.049	6.021	5.720	5.881	5.963	5.903	5.849	6.007	5.982	5.947	5.969	6.138
1443373	at	NA	BM207264	NA	NA	5.097	4.861	5.080	5.168	4.950	5.075	5.169	5.223	5.183	5.026	5.193	5.040	4.961	4.936	5.162	5.216	5.203	5.149	5.195	5.172	5.197	5.115	5.145	5.450
1443374	at	NA	BB366710	NA	NA	7.225	6.983	7.139	7.239	7.152	7.093	6.984	7.153	7.044	7.024	6.705	7.067	7.032	7.135	7.193	7.136	7.257	7.306	7.156	7.277	6.986	7.384	7.195	7.323
1443375	at	Gnas	BM239335	Mm.125770	2	7.017	6.981	6.863	6.773	6.780	6.997	6.932	7.318	7.006	6.655	6.951	7.198	6.869	6.577	7.079	6.702	7.073	7.028	6.549	6.548	6.871	6.890	6.808	6.579
1443376	at	NA	BG069046	NA	NA	6.215	5.783	5.964	6.207	5.763	5.947	5.932	5.976	5.911	5.901	6.011	5.833	5.819	6.110	5.812	6.283	6.024	6.066	5.939	6.210	5.915	5.948	5.842	6.047
1443377	at	Adam1a	BB012070	Mm.1453	5	8.229	8.006	8.198	8.283	7.966	8.234	8.216	8.218	8.151	7.969	8.260	8.086	8.130	8.136	8.138	8.238	8.199	8.187	8.206	8.189	8.219	8.225	8.086	8.180
1443378	s at	Adam1a	BB012070	Mm.1453	5	7.949	7.677	7.814	8.044	7.930	7.812	7.800	7.877	7.943	7.978	7.958	7.758	7.846	7.926	7.831	7.872	7.964	7.841	7.844	7.845	7.987	7.842	8.107	7.831
1443379	at	A430033K04Rik	BB201026	Mm.36612	5	6.039	5.853	6.095	6.208	6.010	6.075	6.281	6.019	6.023	6.230	6.041	5.983	6.079	5.891	6.090	6.332	6.128	6.164	6.499	6.497	6.243	6.148	6.203	6.064
1443380	at	Adh5	BB232404	Mm.3874	3	6.781	6.319	6.595	6.674	6.570	6.657	6.598	6.507	6.557	6.514	6.627	6.565	6.646	6.599	6.696	6.642	6.608	6.663	6.634	6.802	6.711	6.344	6.681	6.593
1443381	at	NA	BB433247	Mm.5025	11	6.606	6.525	6.618	6.484	6.597	6.423	6.717	6.544	6.448	6.612	6.465	6.540	6.394	6.355	6.478	6.601	6.497	6.478	6.529	6.422	6.808	6.570	6.650	6.643
1443382	s at	NA	BB368761	NA	NA	5.701	5.478	5.597	5.501	5.555	5.541	5.612	5.408	5.405	5.537	5.781	5.407	5.281	5.546	5.676	5.618	5.485	5.634	5.560	5.759	5.697	5.764	5.712	5.450
1443383	at	NA	BB156986	NA	NA	3.920	4.209	3.852	3.963	3.974	3.851	3.972	3.932	3.971	3.838	4.068	3.934	3.878	3.947	3.948	3.926	3.869	4.127	3.913	3.841	4.065	3.871	3.982	4.024
1443384	at	Plk2	BB475506	Mm.254494	15	6.582	6.637	6.600	6.555	6.563	6.622	6.604	6.725	6.519	6.459	6.506	6.611	6.922	6.632	6.760	6.565	6.912	6.330	6.644	6.825	6.822	6.864	6.499	6.869
1443385	at	A9300312N16Rik	BG066390	Mm.296829	2	5.871	5.463	5.689	5.653	5.500	5.623	5.573	5.526	5.533	5.291	5.560	5.356	5.521	5.589	5.485	5.672	5.592	5.481	5.470	5.905	5.724	5.788	5.648	5.558
1443386	at	NA	C86727	BG067561	Mm.367934	9	4.423	4.351	4.361	4.470	4.444	4.306	4.395	4.308	4.367	4.374	4.303	4.421	4.220	4.345	4.292	4.295	4.237	4.456	4.299	4.400	4.277	4.352	4.343
1443387	at	BB045044	BB045044	NA	2	5.618	6.662	5.683	5.626	5.687	5.800	5.622	5.656	7.038	6.690	6.627	6.559	6.251	6.435	5.822	5.360	5.796	5.919	5.810	5.371	5.976	5.969	5.044	5.266
1443388	at	NA	BB130042	NA	NA	7.041	6.893	6.753	6.861	6.969	6.867	6.876	6.777	6.849	6.749	6.787	6.749	6.713	6.676	6.774	6.677	6.714	6.747	6.776	6.674	6.924	6.792	6.982	7.072
1443389	at	NA	BB160042	NA	NA	7.198	7.166	7.325	7.502	7.364	7.265	7.879	7.099	6.967	7.105	6.966	6.840	6.987	7.167	7.176	7.485	7.562	7.282	7.282	7.282	7.282	7.282	7.282	7.282
1443390	at	NA	BB390851	NA	NA	8.027	8.110	8.329	8.170	8.347	8.163	7.851	7.938	8.100	8.138	8.018	8.180	8.002	8.070	7.939	8.153	7.840	7.832	7.744	7.846	7.830	7.932	8.107	7.901
1443391	at	NA	BB449626	NA	NA	7.484	7.088	7.395	7.422	7.399	7.483	7.728	7.092	7.179	6.979	7.206	7.124	7.001	6.996	7.217	7.456	7.097	7.196	7.213	7.549	7.743	7.240	7.226	7.432
1443392	at	Trpv1	BB346256	Mm.447485	11	5.235	4.718	4.854	5.141	4.667	4.916	5.281	4.971	4.890	4.793	5.019	4.901	4.930	5.011	5.027	4.999	4.972	5.051	4.776	5.148	4.917	4.877	5.067	4.899
1443393	at	NA	BB201890	NA	NA	6.770	6.967	7.030	7.059	7.128	6.950	7.059	7.144	7.505	7.261	7.115	7.261	7.206	6.926	6.965	6.987	7.286	7.330	7.096	7.110	7.264	7.137	7.213	6.887
1443394	at	NA	BG060698	NA	NA	5.203	5.209	5.263	5.006	5.006	5.289	5.245	5.192	5.388	4.753	5.531	4.971	5.219	5.227	5.456	5.219	5.134	5.071	5.194	5.491	5.201	4.932	5.150	5.163
1443395	at	DeErtid490e	BG068024	NA	6	4.066	3.807	3.862	4.113	3.924	4.109	3.993	3.921	4.028	3.803	4.066	4.014	4.084	3.912	3.840	4.004	4.090	4.016	4.016	4.077	4.068	4.045	3.995	4.029
1443396	at	NA	BB235242	Mm.313687	19	6.594	6.733	7.082	7.893	6.932	7.820	8.093	6.937	6.669	7.771	6.803	7.795	7.993	6.950	6.618	6.632	7.752	7.752	7.752	7.752	7.752	7.752	7.752	7.752
1443397	at	Ncoa1	BB126957	Mm.301039	12	6.187	6.128	6.291	6.315	6.374	6.540	6.682	6.869	5.917	6.068	6.275	6.262	6.312	6.281	6.203	6.432	6.439	6.206	6.480	6.709	6.385	6.368	6.449	6.378
1443398	at	NA	BE952593	NA	NA	6.588	6.127	6.622	6.539	6.261	6.317	6.323	6.244	6.650	6.285	6.313	6.353	6.377	6.385	6.305	6.384	6.606	6.527	6.609	6.527	6.609	6.152	6.468	6.537
1443399	at	AU021001	BM241669	NA	3	4.272	4.439	4.560	4.432	4.485	4.552	4.539	4.362	4.325	4.560	4.204	4.412	4.475	4.479	4.580	4.523	4.665	4.407	4.350	4.441	4.606	4.465	4.394	4.344
1443400	at	NA	BG060869	NA	NA	7.846	7.627	7.981	7.801	7.736	7.946	7.889	7.330	7.767	7.805	7.642	7.942	7.975	7.890	8.027	7.889	7.547	7.683	7.860	7.847	7.650	7.737	8.064	8.029
1443401	at	NA	BM941510	NA	NA	5.908	5.506	5.808	5.894	5.524	5.926	5.761	5.736	5.988	5.835	5.670	5.774	5.887	5.917	6.003	6.064	5.790	5.886	5.918	6.157	5.825	5.890	5.895	5.870
1443402	at	NA	BM237902	NA	NA	4.245	4.532	4.321	4.384	4.357	4.523	4.523	4.503	4.503	4.607	4.421	4.602	4.464	4.784	4.605	4.511	4.553	4.531	4.785	4.541	4.662	4.582	4.338	4.529
1443403	at	NA	AU044628	NA	NA	6.629	6.776	6.869	6.792	6.763	6.847	6.726	6.624	6.686	6.823	6.696													

1443451	at	NA	C76090	NA	NA	6.259	5.867	6.162	6.208	6.110	6.397	6.268	6.115	5.755	5.978	6.418	6.215	6.057	6.191	6.182	6.445	6.272	6.200	6.371	6.344	6.270	6.135	6.397	6.297	
1443452	at	NA	BM212484	NA	NA	8.194	8.144	8.338	8.165	8.084	8.515	8.330	8.100	7.919	8.297	8.038	7.930	8.104	8.099	8.275	8.350	8.355	8.141	8.312	8.300	8.322	8.117	8.355	8.440	
1443453	at	Zfp651	BB446376	Mm.417302		9	6.849	6.459	6.593	6.620	6.425	6.614	6.550	6.557	6.323	6.405	6.534	6.233	6.418	6.390	6.338	6.521	6.552	6.538	6.603	6.909	6.801	6.690	6.737	6.634
1443454	at	Scir	AV349355	Mm.189223	1	6.844	6.845	6.730	6.762	6.805	6.635	6.752	6.861	6.870	6.882	6.857	6.818	6.929	6.820	6.887	6.835	6.748	6.849	6.693	6.742	6.945	6.636	6.757	6.987	
1443455	at	NA	AV371463	NA	NA	7.684	7.566	7.897	7.738	7.996	7.867	7.732	7.877	7.630	7.588	7.708	7.775	7.658	7.445	7.770	7.762	7.159	7.874	7.652	7.858	7.045	7.846	8.139	7.883	
1443456	at	3110048119Rik	BI076719	Mm.311219	17	5.198	5.071	5.013	5.246	5.118	5.267	5.121	5.099	4.884	5.217	4.992	5.098	4.857	5.109	4.945	4.963	5.169	5.009	5.167	5.149	5.078	5.362	5.042	5.555	5.148
1443457	at	A230055J12Rik	BB175186	Mm.438467	5	3.953	3.833	3.916	3.949	3.967	3.918	3.984	4.100	4.120	3.892	4.098	3.881	3.941	3.963	3.853	3.968	3.895	3.959	4.026	4.054	4.101	3.969	3.928	4.081	
1443458	at	D630033Q11Rik	BF233964	Mm.135745	9	7.084	6.714	6.888	6.880	7.063	6.992	6.959	7.152	7.047	6.906	7.020	7.077	7.142	6.884	7.018	6.750	7.098	6.966	6.720	6.976	6.979	6.968	7.006	7.051	
1443459	at	C86415	C86425	NA	16	5.705	5.561	5.825	5.703	5.749	5.635	5.877	5.546	5.807	5.577	5.807	5.691	5.707	5.938	5.584	5.678	5.527	5.764	5.698	6.114	5.939	5.869	5.713	5.680	
1443460	at	100043131	BB431004	Mm.461949	6	7.039	6.704	6.971	6.972	6.936	6.926	7.070	6.938	7.100	6.902	6.956	6.839	7.028	7.002	6.852	7.033	6.943	6.900	6.969	7.197	7.103	6.913	7.064	6.895	
1443461	at	C79130	BG066405	Mm.441754	5	4.091	4.209	4.500	4.175	4.423	4.298	4.199	4.315	4.331	4.109	4.329	4.070	4.184	4.292	4.269	4.403	4.303	4.377	4.250	4.289	4.217	4.258	4.365	4.409	
1443462	at	DBErt5272e	AU022864	NA	8	4.043	4.026	4.079	4.131	4.048	4.061	3.978	3.990	3.991	4.037	4.132	4.075	4.100	4.058	4.130	4.217	4.153	4.262	4.038	3.964	4.008	3.945	4.072	4.056	
1443463	at	NA	AU042760	NA	NA	5.107	5.013	5.062	5.194	5.037	5.119	5.063	5.037	5.042	5.103	5.206	5.068	4.921	5.081	4.947	5.079	4.999	5.012	4.943	5.320	4.477	4.964	5.029	5.254	
1443464	at	NA	C81257	NA	NA	5.550	5.532	5.635	5.503	5.452	5.512	5.434	5.654	5.533	5.536	5.535	5.708	5.481	5.564	5.717	5.525	5.445	5.538	5.578	5.545	5.758	5.559	5.501	5.528	
1443465	at	NA	BF467172	NA	NA	5.837	5.729	5.601	5.749	5.529	5.634	5.827	5.700	5.613	5.481	5.894	5.580	5.766	5.731	5.465	5.692	5.481	5.666	5.581	5.750	5.846	5.865	5.639	5.815	
1443466	s at	Polr3b	C85372	Mm.335007	10	7.996	8.173	8.006	7.831	7.914	8.138	8.000	7.847	7.961	7.995	7.915	7.913	7.754	8.192	7.990	7.967	7.884	7.908	8.050	8.048	7.926	7.993	7.898	7.987	
1443467	at	Dock11	BB068803	Mm.32873	X	6.574	6.415	6.444	6.703	6.647	6.835	6.651	6.452	6.705	6.703	6.608	6.614	6.673	6.792	6.665	6.710	6.436	6.651	6.692	6.526	6.667	6.609	6.645	6.627	
1443468	at	NA	BG071183	NA	NA	7.578	6.417	6.578	6.546	6.519	6.498	6.484	6.459	6.510	6.463	6.517	6.497	6.434	6.554	6.588	6.569	6.430	6.785	6.460	6.706	6.484	6.528	6.465	6.488	
1443469	at	NA	BG070590	NA	NA	3.941	3.825	4.151	4.226	4.012	4.311	3.961	4.176	4.110	3.893	4.097	3.937	4.261	4.049	4.008	3.990	3.948	4.189	4.094	4.497	4.126	4.052	4.244	4.151	
1443470	at	AS30058N18Rik	BB517522	Mm.330469	2	8.729	8.224	8.771	8.441	8.306	8.447	8.878	8.200	8.171	8.194	8.336	8.341	8.219	8.051	8.688	8.732	8.321	8.539	8.465	8.556	8.406	8.399	8.328	8.713	
1443471	at	Zbzb20	BB087247	Mm.136238	16	8.305	7.977	7.822	8.400	8.239	8.643	8.446	7.835	8.125	8.249	8.080	8.377	8.287	8.467	8.402	8.570	8.896	8.321	8.189	8.442	8.550	8.765	8.912	8.949	
1443472	at	C77691	C77902	NA	5	6.261	5.962	6.174	5.964	6.112	6.050	6.281	6.181	6.190	6.034	6.121	5.975	6.201	6.250	6.147	6.083	6.161	6.041	6.406	6.154	6.099	6.156	6.212	6.291	
1443473	at	C79562	BG066474	Mm.318680	4	5.036	5.054	5.092	5.214	5.145	5.148	5.054	5.100	4.976	4.941	4.787	4.989	5.043	4.853	5.155	5.029	5.117	4.701	4.969	4.867	4.982	5.379	5.071	5.205	
1443474	at	D7Ert495e	AU021791	Mm.394871	7	7.038	6.745	7.007	6.861	6.879	7.013	6.986	6.870	6.835	6.887	7.041	7.007	6.896	6.855	6.993	6.993	6.884	6.962	6.901	7.029	6.981	6.856	7.091	6.968	
1443475	at	NA	BI990622	NA	NA	6.688	6.467	6.508	6.745	6.630	6.732	6.873	6.719	6.730	6.711	6.045	6.631	6.737	6.721	6.634	6.813	6.967	6.810	6.853	7.101	6.808	6.435	6.861	6.591	
1443476	at	NA	BB229078	NA	NA	6.364	5.967	6.449	6.223	6.176	6.297	6.293	6.230	6.274	5.886	6.296	6.051	6.175	6.121	6.143	6.284	6.292	6.217	6.150	6.412	6.319	6.211	6.317	6.443	
1443477	at	Rend2	NA	Mm.243234	16	4.445	4.435	4.445	4.534	4.463	4.538	4.467	4.542	4.811	4.453	4.693	4.588	4.432	4.594	4.595	4.595	4.595	4.595	4.595	4.595	4.595	4.595	4.595	4.595	
1443478	at	C86695	C86695	Mm.297693	8	6.026	5.442	6.065	5.872	6.086	5.872	6.078	5.981	6.139	5.868	5.957	5.747	5.747	5.916	6.005	5.687	5.995	5.966	6.292	6.252	5.885	6.211	6.514	6.880	5.761
1443479	at	NA	BB261024	NA	NA	6.962	6.501	6.745	6.919	6.672	6.767	6.739	6.887	6.669	6.481	6.890	6.459	6.775	6.718	6.719	6.904	6.893	7.036	6.844	7.018	6.825	6.654	6.912	6.736	
1443480	at	NA	BB119560	NA	NA	8.324	7.965	8.235	8.315	8.263	8.245	8.282	8.448	8.253	8.136	8.347	8.279	8.358	8.136	8.282	8.161	8.278	8.310	8.260	8.458	8.251	8.310	8.391	7.987	
1443481	at	Tube1	BF715463	Mm.297956	10	5.600	5.439	5.540	5.471	5.480	5.542	5.533	5.476	5.679	5.389	5.575	5.268	5.577	5.683	5.378	5.352	5.219	5.467	5.352	5.425	5.443	5.411	5.505	5.546	
1443482	at	NA	BG063240	NA	NA	5.292	5.221	5.110	5.209	5.214	5.343	5.301	5.440	5.314	5.078	5.402	5.261	5.530	5.270	5.163	5.408	5.487	5.410	5.349	5.747	5.436	5.529	5.259	5.399	
1443483	at	Xlr5a	BM207672	Mm.435653	X	6.323	5.768	6.019	6.037	5.871	6.098	6.127	5.819	5.642	5.877	5.926	5.814	5.896	5.772	5.864	6.109	5.824	6.021	5.962	6.206	6.252	5.934	6.182	5.980	
1443484	at	Rnao1	AV536522	Mm.259223	2	5.379	5.287	5.210	5.535	5.439	5.297	5.264	5.564	5.528	5.309	5.445	5.260	5.364	5.426	5.485	5.325	5.508	5.558	5.368	5.300	5.624	5.502	5.703	5.521	
1443485	at	Eph3a7	BM301342	Mm.357266	4	8.729	8.254	8.771	8.463	8.758	8.615	8.840	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393	8.140	8.393
1443486	at	Con7	AV294603	Mm.442015	7	7.500	7.423	7.871	7.651	7.494	7.587	7.668	7.470	7.302	7.406	7.071	7.448	7.271	7.331	7.600	7.711	7.567	7.493	7.580	7.391	7.642	7.681	7.679	7.579	
1443487	at	AU022238	NA	Mm.442015	11	8.373	8.166	8.197	8.407	8.306	8.204	8.296	8.438	8.358	8.134	8.337	8.266	8.315	8.296	8.287	8.424	8.370	8.188	8.271	8.261	8.385	8.331	8.410	8.359	
1443488	at	NA	BB260131	NA	NA	3.952	3.958	3.994	3.912	4.027	3.959	3.959	4.161	4.119	3.945	3.992	3.989	4.053	3.964	3.879	3.936	4.037	3.910	3.941	3.909	4.199	3.823	3.827	3.989	
1443489	at	NA	BB159810	NA	NA	7.374	7.585	7.291	7.137	7.307	7.298	7.228	7.215	7.285	7.393	6.988	7.376	7.591	7.144	7.272	7.273	7.259	7.319	7.434	6.990	7.230	7.540	7.270	6.781	
1443490	at	D3Ert435e	C77371	Mm.418642	3	7.772	8.714	8.610	8.557	8.505	8.541	8.715	8.377	8.568	8.781	8.897	8.528	8.388	8.528	8.606	8.607	8.537	8.372	8.529	8.497	8.465	8.339	8.659	8.698	
1443491	at	NA	BG082698	NA	NA	7.852	7.767	7.675	7.793	7.526	7.805	7.751	7.576	7.527	7.603	7.746	7.610	7.613	7.571	7.650	7.630	7.562	7.532	7.569	7.825	7.727	7.574	7.734	7.838	8.222
1443492	at	NA	AV349355	NA	NA																									

1443540	at	Map3k1	BM240275	Mm.15918	13	6.867	6.590	6.922	6.839	6.598	6.939	6.900	6.811	6.374	6.710	6.823	6.721	6.670	6.855	6.852	6.814	6.891	6.934	6.881	6.827	7.201	6.967	7.086	
1443541	at	EG381438	BB504875	Mm.471762	3	4.201	4.137	4.262	4.300	4.145	4.265	4.312	4.226	4.256	4.151	4.398	4.278	4.132	4.251	4.273	4.108	4.398	4.441	4.338	4.628	4.216	4.076	4.297	4.365
1443542	at	NA	BB767151	NA	NA	3.867	4.099	3.774	3.920	3.847	4.075	3.776	3.881	3.897	3.896	4.070	4.039	3.982	3.788	4.095	3.799	3.820	3.846	4.058	3.879	3.777	3.833	3.904	3.898
1443543	at	NA	BE980616	NA	NA	4.847	4.427	4.512	4.406	4.518	4.526	4.487	4.496	4.332	4.337	4.495	4.496	4.489	4.511	4.553	4.562	4.627	4.621	4.662	4.815	4.666	4.482	4.774	4.873
1443544	at	NA	BM040873	NA	NA	6.489	6.741	6.356	6.451	6.632	6.490	6.645	6.580	7.002	7.090	6.315	7.263	6.962	6.323	6.977	6.218	6.305	6.490	6.422	6.495	6.422	6.450	6.508	6.235
1443545	at	NA	BB278652	NA	NA	6.041	5.894	5.977	5.960	5.913	6.010	6.061	5.945	5.942	6.048	5.980	5.909	6.104	5.947	5.963	6.036	5.860	5.879	5.982	6.158	6.022	5.771	5.970	5.930
1443546	at	NA	BM219313	NA	NA	8.396	8.405	8.343	8.372	8.267	8.509	8.395	8.034	8.359	8.164	8.115	8.088	8.063	8.224	8.210	8.341	7.933	8.321	8.280	8.315	8.002	7.946	8.389	8.240
1443547	at	NA	AI327318	NA	NA	7.599	7.266	7.573	7.586	7.267	7.397	7.526	7.189	7.253	7.269	7.216	7.094	7.135	7.121	7.392	7.371	7.200	7.314	7.315	7.442	7.093	7.056	7.779	7.281
1443548	at	NA	BB189091	NA	NA	3.728	4.041	3.958	3.917	3.911	3.953	3.809	3.995	3.999	3.881	3.848	3.766	4.010	3.856	3.884	3.935	3.872	3.961	4.219	3.820	3.906	3.877	4.069	3.828
1443549	at	4930579E17Rik	BB311487	Mm.261764	12	7.239	6.748	7.103	7.134	6.994	7.023	7.047	7.081	7.138	6.928	7.116	7.013	7.138	7.058	7.063	7.206	6.978	6.927	7.271	7.371	7.133	7.014	7.137	7.198
1443550	at	NA	BB315888	NA	NA	5.770	5.735	5.704	5.838	5.853	5.731	5.737	5.670	5.453	5.575	5.696	5.612	5.731	5.631	5.589	5.709	5.985	5.978	5.738	5.655	5.779	5.582	5.840	5.699
1443551	at	Alp2a2	BB216071	Mm.227583	5	7.060	6.266	7.925	7.033	6.329	7.260	7.544	5.864	5.842	6.446	6.532	6.091	6.100	6.252	6.524	7.697	6.204	6.518	7.136	6.812	6.525	6.321	7.622	7.466
1443552	at	NA	BM932495	NA	NA	5.504	4.950	5.522	5.427	5.476	5.492	5.502	5.556	5.400	5.365	5.400	5.179	5.446	5.457	5.575	5.400	5.587	5.701	5.452	5.388	5.593	5.233	5.476	5.638
1443553	at	NA	BB236954	NA	NA	6.577	6.465	6.412	6.559	6.478	6.324	6.450	6.390	6.317	6.366	6.366	6.401	6.431	6.437	6.425	6.511	6.520	6.365	6.395	6.493	6.638	6.459	6.642	6.428
1443554	at	Ssbp3	BM204832	Mm.195635	4	6.665	6.366	6.953	6.848	6.604	6.379	6.266	6.700	6.507	6.389	6.410	6.678	6.697	6.444	6.726	6.622	6.591	6.838	6.421	6.480	6.924	6.860	6.549	6.222
1443555	at	NA	BB766876	NA	NA	5.226	4.943	4.969	5.073	5.021	4.732	5.196	4.977	4.887	5.172	5.028	4.932	4.866	5.156	4.929	5.119	4.954	5.102	4.863	5.028	5.228	5.025	4.934	5.033
1443556	at	Tmem140	BB765808	Mm.248440	6	6.257	5.859	5.966	6.022	5.912	5.891	5.947	6.038	6.072	5.946	6.094	5.855	5.929	5.929	6.067	5.981	6.077	5.987	5.924	5.879	6.037	5.905	5.974	5.847
1443557	at	NA	BO071446	NA	NA	6.480	6.255	6.315	6.505	6.285	6.380	6.400	6.497	6.283	6.181	6.318	6.253	6.339	6.297	6.370	6.341	6.359	6.300	6.487	6.433	6.382	6.545	6.682	6.319
1443558	s at	Nt5dc3	AO040402	Mm.200446	10	11.639	11.107	11.536	11.474	11.355	11.282	11.427	11.483	10.836	11.041	11.570	11.369	11.133	11.075	11.426	11.644	11.540	11.457	11.248	11.394	11.649	11.822	11.553	11.993
1443559	at	Rsrc2	BF463397	Mm.276341	5	5.258	4.567	5.210	5.031	4.929	5.268	5.137	5.059	4.894	5.049	5.228	5.090	4.996	5.043	5.211	4.959	5.196	5.115	4.960	5.083	5.103	5.356	5.101	5.105
1443560	at	NA	BB283805	NA	NA	5.926	5.774	5.840	5.957	6.077	5.729	6.084	5.957	5.962	5.834	5.948	6.000	6.056	5.966	5.907	5.839	5.987	5.815	5.909	5.740	5.892	5.822	6.104	5.910
1443561	at	NA	BM205065	NA	NA	4.233	4.180	4.290	4.133	4.134	4.274	4.279	4.428	4.185	4.022	4.319	4.123	4.276	4.358	4.458	4.315	4.283	4.189	4.148	4.544	4.377	4.205	4.256	4.107
1443562	at	NA	BB284624	NA	NA	4.213	4.013	4.367	4.135	4.276	4.033	4.204	4.092	4.030	3.771	4.142	4.123	4.019	4.094	3.959	4.117	4.133	4.094	4.090	4.128	4.139	4.003	4.153	4.237
1443563	at	Opq3	BF466272	Mm.239583	7	5.287	4.922	5.114	5.297	5.012	5.255	5.180	5.099	5.196	4.941	5.186	4.984	5.215	5.131	4.963	5.176	5.152	5.146	5.063	5.157	5.135	5.111	5.091	5.074
1443564	at	NA	C77185	NA	NA	4.721	4.540	4.743	4.792	4.484	4.800	4.614	4.669	4.852	4.621	4.552	4.397	4.464	4.557	4.407	4.782	4.892	5.094	4.926	4.899	4.667	4.626	4.732	4.757
1443565	at	Al849538	BE979428	Mm.443731	2	4.651	4.296	4.376	4.413	4.356	4.394	4.467	4.349	4.231	4.347	4.558	4.389	4.301	4.359	4.537	4.308	4.332	4.463	4.416	4.622	4.689	4.431	4.439	4.803
1443566	at	NA	BM205229	NA	NA	5.793	5.493	5.682	5.802	5.575	5.698	5.475	5.683	5.631	5.817	5.517	5.614	5.719	5.516	5.798	5.483	5.789	5.483	5.789	5.483	5.789	5.483	5.789	5.483
1443567	at	BC465499	BF465499	Mm.37642	17	5.187	4.913	5.087	5.112	4.973	5.071	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086	5.112	5.086
1443568	x at	NA	AO043103	NA	NA	3.963	3.911	4.002	3.976	3.887	4.061	3.910	3.913	3.868	3.940	3.779	3.877	3.936	3.950	3.919	3.930	4.017	4.005	3.982	4.041	4.065	3.974	3.993	3.816
1443569	at	4930430E16Rik	BB214806	Mm.252406	11	6.867	6.594	6.635	6.850	6.768	6.642	6.633	6.802	6.654	6.606	6.593	6.664	6.642	6.684	6.568	6.494	6.560	6.632	6.710	6.547	6.564	6.660	6.637	6.584
1443570	at	Cops3	BB284624	Mm.40	11	3.746	3.757	3.686	3.752	3.658	3.748	3.895	3.815	3.566	3.612	3.680	3.591	3.622	3.647	3.764	3.588	3.525	3.818	3.664	3.699	3.666	3.649	3.645	3.601
1443571	at	NA	AI788586	NA	NA	4.119	3.938	3.819	4.078	3.796	3.846	3.815	3.962	3.868	3.851	3.870	3.903	4.075	4.018	3.741	3.864	3.896	4.031	4.004	3.909	3.895	3.893	3.982	3.960
1443572	at	NA	AO024133	NA	NA	4.774	4.529	4.657	4.773	4.678	4.705	4.757	4.811	4.673	4.509	4.691	4.665	4.776	4.651	4.612	4.689	4.480	4.754	4.597	4.715	4.659	4.668	4.689	4.688
1443573	at	Parp1	AI956938	Mm.277779	1	4.958	4.722	4.807	5.019	4.985	4.806	4.965	4.791	5.052	5.013	4.818	5.054	5.064	4.880	4.856	4.777	4.852	4.894	4.929	4.908	4.866	4.873	4.975	4.688
1443574	at	NA	CG95497	NA	NA	7.818	7.354	7.242	7.553	7.338	7.243	7.170	7.393	7.369	7.447	7.429	7.405	7.399	7.399	7.321	7.412	7.393	7.412	7.393	7.412	7.393	7.412	7.393	7.412
1443575	at	2310040G24Rik	BG795494	Mm.423385	6	6.452	6.111	6.331	6.670	6.553	6.623	6.516	6.592	6.087	5.999	6.379	6.426	6.247	6.043	6.358	6.404	7.427	7.180	6.799	6.747	7.221	7.186	6.634	6.640
1443576	at	NA	BF465171	NA	NA	7.859	7.645	7.895	7.877	7.744	7.579	7.663	7.833	7.677	7.646	7.755	7.578	7.743	7.589	7.660	7.689	7.935	7.923	7.730	7.710	7.862	7.732	7.812	7.787
1443577	at	NA	AV261494	NA	NA	4.988	4.652	4.853	4.794	4.781	4.860	4.806	4.834	4.598	4.868	4.947	4.647	4.702	4.981	4.829	4.807	4.954	4.629	5.021	4.969	4.898	4.830	5.031	4.865
1443578	at	NA	BE980330	NA	NA	5.455	5.547	5.758	5.627	5.468	5.306	5.708	5.429	5.301	5.435	5.199	5.710	5.715	5.590	5.772	5.694	5.798	5.665	5.636	5.611	5.575	5.548	5.589	5.711
1443579	s at	Deidc6	AI957118	Mm.295397	15	5.905	5.639	5.902	5.989	5.585	6.652	6.007	5.682	5.778	5.994	5.376	5.788	5.883	5.672	6.348	6.114	5.571	5.911	6.223	6.117	5.610	5.730	6.299	6.119
1443580	at	Stxbp6	BM220784	Mm.285400	12	3.656	3.876	3.590	3.736	3.677	3.647	3.706	3.784	3.748	3.624	3.818	3.753	3.689	3.691	3.712	3.518	3.582	3.576	3.722	3.656	3.685	3.615	3.711	3.641
1443581	at	NA	BB213797	Mm.149029	16	6.859	6.810	8.152	8.152	7.986	8.249	7.956	7.																

1443629	at	Nav1	AI451602	Mm.34977	1	5.827	6.112	5.633	5.843	5.872	5.657	5.638	5.846	6.373	5.970	5.884	6.284	6.494	6.339	5.821	5.937	5.584	5.745	5.828	5.454	5.542	5.695	5.804	5.658
1443630	at	NA	BE635194	NA	NA	4.652	4.939	5.078	5.316	5.023	5.102	5.268	4.976	5.262	5.360	5.016	5.214	5.034	5.257	5.356	4.946	5.161	5.253	5.015	4.701	5.259	5.897	5.106	5.049
1443631	at	NA	AI842342	NA	NA	5.170	4.689	4.957	5.052	4.886	4.872	4.963	4.891	4.849	4.763	5.026	4.863	4.945	4.919	4.832	4.890	4.833	4.869	4.909	5.375	5.091	5.074	5.138	4.837
1443632	at	Obscn	BM124337	Mm.339542	11	12.170	12.015	12.103	12.421	12.056	12.281	12.160	12.899	11.372	11.697	12.191	12.012	11.762	11.364	11.863	12.100	12.825	12.705	12.272	12.413	12.616	12.456	11.949	11.816
1443633	at	L700086O06Rik	BE134748	Mm.48776	18	4.743	5.233	4.036	4.898	5.232	5.094	4.892	5.155	5.133	5.298	4.838	5.228	5.134	5.156	5.099	5.140	5.306	5.195	5.358	5.377	5.093	5.281	5.128	5.027
1443634	at	NA	BB761583	NA	NA	4.787	4.837	4.998	4.854	4.763	4.759	4.815	4.737	4.674	4.609	4.593	4.614	4.700	4.684	4.858	4.807	4.736	4.834	5.004	4.740	4.852	4.864	4.831	4.816
1443635	at	Gm128	BF319756	Mm.387177	3	5.493	5.406	5.272	5.358	5.379	5.383	5.304	5.434	5.294	5.287	5.503	5.338	5.471	5.361	5.297	5.405	5.316	5.221	5.284	5.271	5.341	5.213	5.395	5.369
1443636	at	NA	BB283740	NA	NA	8.434	8.346	8.439	8.574	8.515	8.386	8.439	8.668	8.454	8.387	8.370	8.488	8.303	8.206	8.432	8.410	8.602	8.573	8.548	8.555	8.532	8.582	8.555	8.578
1443637	at	Slc25a42	BB747403	Mm.185413	8	6.568	6.077	6.499	6.363	6.132	6.188	6.316	6.406	6.013	6.017	6.224	6.037	6.141	6.199	6.190	6.552	6.542	6.349	6.469	6.447	6.272	6.146	6.386	6.305
1443638	at	NA	BM197773	NA	NA	6.141	6.031	6.141	6.418	6.183	6.122	6.333	6.233	5.935	5.973	6.167	5.889	6.089	6.196	6.279	6.348	6.079	6.328	6.190	6.251	6.444	5.967	6.204	6.447
1443639	at	Apcdd1	BE627942	Mm.391102	18	5.882	5.592	5.967	5.696	5.953	5.981	5.705	5.837	5.819	5.803	5.856	5.799	6.054	5.674	5.871	5.764	5.665	5.801	5.854	6.010	6.162	5.620	5.560	5.698
1443640	at	Zfp617	BB831078	Mm.251482	8	6.180	5.835	6.027	6.169	6.027	6.075	6.014	6.089	5.864	5.917	5.933	6.088	6.098	5.914	6.113	6.156	6.325	6.214	6.102	6.286	6.115	6.126	6.257	5.958
1443641	at	Fermt3	BP318304	Mm.157591	19	5.771	5.814	5.654	5.590	5.657	5.593	5.665	5.748	5.081	5.681	5.792	5.717	5.773	5.836	5.558	5.619	5.450	5.725	5.547	5.653	5.509	5.670	5.601	5.779
1443642	at	Tauk2	AI504613	Mm.259634	7	5.997	5.870	6.025	5.884	5.897	5.817	5.871	6.061	5.859	5.898	5.962	5.663	5.934	5.676	5.755	6.035	5.987	5.943	5.951	5.881	6.028	5.869	5.782	5.926
1443643	at	NA	BB787201	NA	NA	5.879	5.410	5.699	5.623	5.659	5.658	5.519	5.617	5.593	5.620	5.877	5.628	5.710	5.772	5.853	5.622	5.562	5.624	5.760	5.823	5.833	5.454	5.942	5.780
1443644	at	NA	AI114948	NA	NA	4.509	4.710	4.520	4.462	4.595	4.406	4.566	4.464	4.716	4.565	4.489	4.603	4.552	4.469	4.511	4.457	4.552	4.713	4.480	4.467	4.625	4.656	4.480	4.687
1443645	at	NA	BE948405	NA	NA	6.401	6.401	6.404	6.542	6.294	6.365	6.529	6.386	6.411	6.156	6.428	6.270	6.495	6.357	6.465	6.495	6.388	6.451	6.456	6.539	6.390	6.199	6.506	6.413
1443646	at	Iqsf10	BE956042	Mm.228086	3	4.172	4.021	4.172	4.181	4.269	4.268	4.179	4.317	4.141	4.096	4.289	4.145	4.046	4.123	4.129	4.164	4.052	4.315	4.336	4.265	4.198	3.999	4.227	4.242
1443647	at	NA	BE956390	NA	NA	6.239	5.474	5.978	6.013	5.843	6.297	6.049	5.759	5.837	5.713	5.923	5.779	6.113	5.870	5.944	6.089	6.093	5.941	6.191	6.187	6.017	5.730	6.001	5.893
1443648	at	NA	953003O04Rik	Mm.184166	16	4.466	4.488	4.483	4.600	4.506	4.346	4.577	4.618	4.882	4.517	4.442	4.544	4.532	4.613	4.360	4.468	4.639	4.404	4.573	4.444	4.435	4.617	4.640	4.409
1443649	at	NA	AI465422	NA	NA	7.614	7.235	7.519	7.140	7.045	7.484	7.464	7.234	6.843	7.162	7.126	7.182	7.053	6.714	7.283	7.473	7.294	7.377	7.240	7.456	7.188	7.573	7.356	7.458
1443650	at	NA	BB171408	NA	NA	4.897	4.942	4.593	4.975	4.939	4.461	4.794	4.927	4.899	5.131	4.974	4.828	4.930	4.835	4.756	4.659	4.698	4.917	4.885	4.630	4.745	4.849	5.012	4.913
1443651	at	Phc3	BG095232	Mm.440057	3	3.791	3.803	3.895	3.943	3.847	4.019	3.875	3.956	3.750	3.949	3.821	3.643	3.715	3.692	3.956	3.952	3.855	3.928	3.817	3.855	3.879	3.848	3.787	3.951
1443652	x at	Spred1	AI450584	Mm.245890	2	8.231	8.002	8.146	8.042	8.069	8.061	8.135	8.073	7.788	8.009	8.290	8.101	8.090	7.933	8.265	8.227	8.125	7.966	7.950	7.951	8.083	7.974	8.029	8.147
1443653	at	NA	BB777631	NA	NA	10.935	10.027	11.179	10.806	10.360	10.688	10.988	10.288	9.755	9.979	10.490	10.136	9.920	10.132	10.239	11.243	10.669	10.695	10.658	10.582	10.685	10.652	11.031	11.177
1443654	at	Ankfv1	BB732567	Mm.103313	11	5.648	6.144	5.965	5.944	5.551	5.893	6.090	5.883	5.872	5.781	5.578	6.109	5.889	5.815	6.099	6.052	6.010	5.956	5.789	5.740	5.911	6.087	5.815	6.232
1443655	s at	NA	PK415004	Mm.3810	7	4.743	4.669	4.074	4.898	5.232	5.094	4.892	5.155	5.133	5.298	4.838	5.228	5.134	5.156	5.099	5.140	5.306	5.195	5.358	5.377	5.093	5.281	5.128	5.027
1443656	at	NA	AI843116	Mm.35628	12	6.862	6.122	6.547	6.376	6.565	6.547	6.529	6.768	6.458	6.612	6.762	6.473	6.675	6.677	6.879	6.571	6.894	6.612	6.894	6.612	6.894	6.612	6.894	6.612
1443657	at	Fhdcl	BB736539	Mm.331107	3	4.950	4.798	4.797	4.872	4.813	4.829	4.690	4.711	4.771	4.735	4.854	4.776	4.887	4.880	4.821	4.897	4.699	4.848	4.878	4.975	4.868	4.663	4.887	4.761
1443658	at	Slc28	BM055454	Mm.289346	8	5.770	5.520	5.606	5.724	5.586	5.613	5.529	5.754	5.562	5.650	5.728	5.534	5.494	5.471	5.449	5.625	5.625	5.733	5.462	5.791	5.525	5.809	5.547	5.658
1443659	at	NA	AW123423	NA	NA	4.141	4.010	4.054	4.013	4.001	4.244	4.194	3.925	3.881	4.026	4.156	3.754	4.117	4.163	4.253	4.323	4.005	3.973	4.162	4.640	4.059	4.107	4.144	4.149
1443660	at	NA	BB750724	NA	NA	4.118	4.208	3.993	4.119	4.140	4.112	4.231	4.227	4.018	4.082	3.960	4.135	4.112	4.095	4.114	4.096	4.127	4.160	4.091	4.423	4.024	4.056	4.229	4.279
1443661	at	NA	AV209602	NA	NA	4.531	4.497	4.519	4.382	4.393	4.384	4.458	4.402	4.331	4.363	4.424	4.345	4.555	4.427	4.389	4.472	4.349	4.530	4.465	4.565	4.447	4.400	4.487	4.484
1443662	at	NA	BE989574	NA	NA	5.102	5.331	4.963	5.277	5.251	4.831	4.803	5.132	4.996	4.817	4.910	4.931	4.964	4.933	4.835	4.855	4.409	4.508	4.978	4.802	4.994	5.117	4.958	4.960
1443663	at	NA	BB710772	NA	NA	6.309	6.612	5.985	5.706	5.690	5.904	5.705	6.026	5.787	6.024	5.959	5.785	5.500	6.032	6.014	6.033	6.074	6.132	5.974	6.082	6.132	5.974	6.082	5.963
1443664	s at	CD16412	AW123724	Mm.285685	4	5.451	5.449	5.499	5.572	5.516	5.496	5.551	5.842	5.815	5.664	5.535	5.629	5.350	5.151	5.553	5.533	5.653	5.573	5.787	5.582	5.801	5.739	5.479	5.427
1443665	at	D03001O10Rik	BE994639	Mm.426874	6	5.427	5.315	5.354	5.361	5.347	5.256	5.179	5.315	5.395	5.467	5.750	5.332	5.299	5.341	5.466	5.576	5.025	4.989	5.248	5.388	5.217	5.122	5.805	5.662
1443666	at	Mid1	BB833034	Mm.34441	X	4.993	4.823	5.089	5.070	5.133	5.047	5.021	5.267	5.157	4.921	5.276	5.042	4.864	5.123	5.099	5.015	5.043	5.003	5.262	5.127	5.089	5.013	5.150	4.975
1443667	at	C79407	BE852802	Mm.21144	12	5.107	4.965	5.086	5.032	4.817	5.040	5.154	4.778	5.029	4.822	5.070	4.896	4.825	4.833	4.982	5.079	4.787	5.038	5.179	5.100	4.943	4.851	5.059	5.058
1443668	x at	C79407	BE852802	Mm.21144	12	5.590	5.486	5.650	5.564	5.328	5.633	5.810	5.534	5.535	5.303	5.641	5.378	5.466	5.496	5.853	5.649	5.374	5.484	5.671	5.715	5.454	5.524	5.563	5.715
1443669	at	NA	BE955157	NA	NA	7.996	7.762	7.907	7.892	7.952	7.825	7.946	7.852	7.871	7.759	7.905	7.777	7.895	8.035	7.925	7.844	7.792	7.732	7.939	8.047	7.871	7.719	7.869	7.834
1443670	at	2010001J22Rik	NA	Mm.247273	15	8																							

1443718	at	NA	BE648274	NA	NA	3.976	4.033	4.093	4.135	4.007	3.993	4.148	4.385	3.998	3.913	4.140	4.116	4.085	4.165	4.211	4.083	3.950	4.149	4.275	4.005	4.037	3.944	3.910	3.874
1443719	x at	Ddx42	AW763628	MM.41367	11	7.438	7.307	7.455	7.377	7.412	7.291	7.294	7.388	7.489	7.206	7.358	7.226	7.549	7.254	7.329	7.251	7.261	7.163	7.609	7.512	7.282	7.170	7.568	7.169
1443720	s at	Bmpr1b	AI385617	Mm.39089	3	3.902	4.007	3.914	3.848	3.710	3.947	3.859	3.867	3.861	3.918	3.946	4.101	4.006	3.864	4.188	3.815	3.839	3.618	3.960	3.629	3.812	3.774	3.984	3.971
1443721	x at	Sbno2	BF148215	Mm.262102	10	7.921	8.560	7.464	7.376	7.660	7.216	7.321	7.128	8.832	8.414	9.308	7.634	7.956	8.123	7.618	7.504	6.556	6.667	7.366	6.662	6.650	6.775	7.690	7.402
1443722	at	NA	BN94615	NA	NA	9.022	8.594	8.986	8.985	8.708	8.694	8.878	8.887	8.754	8.895	8.249	8.785	8.892	8.765	8.871	8.739	8.680	8.271	8.789	8.759	8.563	8.898	8.824	8.824
1443723	at	Trpm3	BE995087	Mm.131943	19	4.490	4.190	4.298	4.211	4.360	4.394	4.267	4.392	4.262	4.202	4.376	4.209	4.426	4.236	4.273	4.256	4.440	4.293	4.335	4.391	4.283	4.303	4.263	4.299
1443724	at	Jph3	AI849712	Mm.306870	8	6.444	6.107	6.416	6.329	6.366	6.108	6.360	6.316	6.277	6.146	6.236	6.140	6.369	6.210	6.167	6.274	6.452	6.457	6.474	6.583	6.380	6.395	6.673	6.254
1443725	at	Hnt	BE947293	Mm.283138	9	5.880	5.599	5.872	5.820	6.045	5.799	5.925	6.175	5.881	5.920	5.975	5.818	6.051	5.995	5.808	5.767	5.821	5.690	5.986	5.869	5.887	6.067	5.910	5.738
1443726	at	Smyd1	AV010327	Mm.234274	6	7.822	7.259	7.469	7.640	7.453	7.414	7.647	7.509	7.219	7.157	7.473	7.244	7.474	7.350	7.399	7.440	7.534	7.370	7.514	7.582	7.622	7.468	7.618	7.584
1443727	x at	Smyd1	AV010327	Mm.234274	6	7.767	7.374	7.720	7.684	7.550	7.483	7.671	7.627	7.376	7.339	7.748	7.198	7.362	7.422	7.528	7.544	7.546	7.380	7.468	7.694	7.741	7.479	7.797	7.631
1443728	at	NA	AW125035	NA	NA	4.051	4.209	3.987	4.051	4.275	4.161	3.983	3.970	4.035	4.020	4.064	4.247	4.269	4.118	4.115	4.034	4.121	4.081	4.147	4.127	3.957	4.141	3.920	4.081
1443729	at	Mts1	BI466419	Mm.215481	15	7.292	6.989	7.116	7.088	7.089	7.221	7.091	7.472	7.383	7.362	7.290	7.044	7.014	7.235	7.764	6.967	6.889	7.405	7.035	7.494	7.455	7.239	7.658	7.932
1443730	at	NA	BB636633	NA	NA	8.918	8.595	8.928	8.958	8.587	8.617	8.785	8.727	8.761	8.707	8.725	8.558	8.760	8.613	8.715	8.739	8.619	8.719	8.601	8.680	8.742	8.546	8.802	8.824
1443731	at	NA	BE955983	NA	NA	4.872	4.464	4.934	4.893	4.866	4.749	4.732	4.751	4.867	4.699	4.820	4.566	4.806	4.667	4.810	4.715	4.666	4.739	4.815	4.938	4.858	4.673	4.599	4.766
1443732	at	NA	BB497789	NA	NA	5.611	5.407	5.141	5.485	5.404	5.497	5.344	5.573	5.415	5.418	5.619	5.857	5.484	5.610	5.509	5.449	5.462	5.402	5.501	5.309	5.485	5.287	5.412	5.471
1443733	x at	Pold3	C85233	Mm.37562	7	7.909	8.009	8.023	7.994	8.188	8.001	7.927	8.049	8.192	8.132	8.093	7.901	7.963	8.140	7.814	7.800	8.055	8.054	7.995	8.074	7.864	8.027	7.959	8.031
1443734	at	D5Wsu148e	BE335271	Mm.18959	5	7.567	7.426	7.494	7.567	7.445	7.290	7.469	7.540	7.363	7.222	7.372	7.292	7.431	7.379	7.504	7.385	7.278	7.405	7.594	7.482	7.515	7.600	7.344	
1443735	at	100041986	AV111366	Mm.442328	13	5.009	5.065	5.026	5.226	5.246	5.052	5.073	5.432	5.074	4.852	5.263	5.236	5.116	5.234	5.450	5.158	5.086	4.928	5.288	4.995	5.192	5.010	4.964	5.273
1443736	at	NA	BG868839	NA	NA	7.012	6.967	6.914	7.068	6.805	6.895	7.007	6.807	7.008	6.747	7.030	6.718	6.868	6.927	6.834	7.042	6.787	6.762	6.892	7.162	6.902	6.746	6.933	6.862
1443737	at	NA	BE955001	NA	NA	7.774	7.450	7.595	7.782	7.690	7.671	7.686	7.650	7.753	7.565	7.657	7.509	7.621	7.350	7.716	7.643	7.660	7.689	7.774	7.815	7.598	7.711	7.842	7.764
1443738	at	NA	AW122528	NA	NA	6.009	5.471	6.088	5.747	5.885	5.683	5.760	5.848	5.663	5.595	5.787	5.878	5.804	5.744	5.671	5.581	5.949	5.744	5.812	5.843	5.875	5.850	5.932	5.921
1443739	at	NA	BB160481	NA	NA	7.889	7.559	8.004	7.991	7.769	7.835	7.841	7.989	7.547	7.688	7.571	7.858	7.952	7.646	7.860	7.957	7.812	8.182	7.836	7.913	7.888	7.786	7.746	7.874
1443740	at	St3qa6l	AV206810	Mm.212742	16	4.803	4.508	5.122	4.849	4.490	5.340	5.105	4.663	4.564	4.535	4.952	4.391	4.580	4.659	4.868	4.862	4.821	5.441	5.128	5.432	4.752	4.600	4.951	5.146
1443741	x at	Whsc1	BB238423	Mm.19892	5	7.185	6.847	7.154	7.180	6.887	7.106	7.256	6.909	6.769	6.798	6.889	6.706	6.810	6.993	7.131	7.267	7.138	7.168	7.106	7.365	7.218	7.029	7.205	7.443
1443742	x at	NA	BB085654	NA	NA	8.530	8.347	8.452	8.851	8.524	8.596	8.524	8.437	8.460	8.477	8.311	8.460	8.453	8.298	8.568	8.350	8.585	8.493	8.635	8.483	8.551	8.317	8.656	8.396
1443743	at	1700054013Rik	AV046042	Mm.46146	X	3.960	3.786	4.026	3.742	3.923	3.959	3.882	3.938	3.894	3.740	3.939	3.837	3.846	3.877	3.998	3.831	3.831	3.917	4.026	4.097	3.919	3.760	4.008	3.886
1443744	at	NA	AV026815	NA	NA	5.285	5.200	5.452	5.256	5.307	5.511	5.169	5.086	5.047	5.189	5.098	5.047	5.249	5.047	5.249	5.047	5.249	5.047	5.249	5.047	5.249	5.047	5.249	5.047
1443745	at	Dmp1	AV020965	Mm.199008	5	4.447	4.272	4.014	4.313	4.390	4.161	4.300	4.291	4.187	4.387	4.243	4.289	4.381	4.289	4.243	4.289	4.381	4.289	4.243	4.289	4.381	4.289	4.243	4.289
1443746	x at	Dmp1	AV020965	Mm.199008	5	4.094	4.218	4.086	4.049	4.078	4.098	4.011	4.239	4.262	4.155	4.421	4.156	3.991	3.852	4.059	3.948	4.059	4.219	4.354	4.062	3.982	4.080	4.174	3.830
1443747	at	D3Ertid300e	BB098645	Mm.37356	3	9.111	9.024	9.049	9.246	9.343	9.113	9.191	8.980	9.154	9.166	9.868	9.146	9.183	9.130	9.224	9.133	9.027	9.082	9.221	9.139	9.053	9.097	9.302	9.039
1443748	x at	Ankrd44	BB252060	Mm.397910	1	3.696	3.939	4.084	3.766	4.048	4.208	3.796	3.792	3.845	4.008	3.869	3.937	3.935	3.817	4.010	3.948	3.916	4.011	4.030	4.000	3.792	4.002	3.958	3.949
1443749	x at	Scl1a3	BB085413	Mm.204834	15	7.291	7.556	7.188	7.311	7.932	7.316	7.517	7.364	8.222	8.182	7.473	8.339	8.049	7.838	7.605	7.127	7.291	7.236	7.415	7.102	7.211	7.360	7.324	7.021
1443750	s at	Rpp40	R75260	Mm.35545	13	7.799	7.780	7.901	7.813	7.617	7.862	7.755	7.713	7.540	7.514	7.676	7.604	7.631	7.911	7.576	7.795	7.828	7.859	7.857	7.984	8.047	8.030	8.130	8.056
1443751	at	NA	AW123733	NA	NA	6.151	6.153	6.124	6.208	6.280	5.969	6.238	6.306	6.288	6.055	6.259	5.986	6.217	6.326	6.077	6.134	6.040	6.163	6.162	6.020	6.077	6.121	6.043	5.990
1443752	at	NA	BB393200	NA	NA	6.473	6.732	6.990	5.992	6.195	6.661	5.998	6.405	6.251	6.343	5.554	5.792	6.343	5.554	5.792	6.343	5.554	5.792	6.343	5.554	5.792	6.343	5.554	5.792
1443753	at	Galns	BB491097	Mm.34702	8	7.060	6.497	7.018	6.969	6.625	7.037	7.038	6.759	6.464	6.268	6.701	6.459	6.579	6.515	6.810	6.894	6.842	6.692	6.902	7.256	7.156	6.952	7.095	7.101
1443754	x at	NA	BB393620	NA	NA	5.471	5.031	5.564	5.202	5.505	5.345	5.502	5.019	5.038	5.154	5.361	5.289	5.149	5.262	5.371	5.448	5.272	5.258	5.303	5.378	5.292	5.071	5.331	5.485
1443755	at	NA	BE457721	NA	NA	8.189	8.187	8.303	8.443	8.248	8.427	8.274	7.804	7.957	8.179	7.817	8.050	7.976	8.073	8.208	8.718	7.833	8.054	8.279	8.446	7.880	7.739	8.462	8.533
1443756	at	Serpin1i	BB460127	Mm.41560	3	3.919	3.802	3.773	3.861	3.823	4.069	3.792	3.784	3.840	3.806	3.917	3.742	3.889	3.859	3.797	4.034	3.925	3.788	4.010	4.112	3.929	4.035	3.972	3.986
1443757	x at	Gbl1	BB518847	Mm.458319	1	3.798	3.821	3.677	3.791	4.034	3.828	3.900	3.954	4.063	4.024	3.852	3.950	4.048	3.952	3.835	3.926	3.705	3.817	3.979	3.867	3.683	3.714	3.649	3.561
1443758	at	Wdr18	BB247472	Mm.35828	10	6.187	5.525	6.146	6.161	5.919	5.929	5.965	6.189	5.929	5.890	5.326	5.963	5.772	6.074	5.751	5.848	6.183	6.280	5.566	6.326	6.251	5.833	5.810	6.471
1443759	at	NA	BB026407	NA	NA	3.907	3.977	4.077	3.907	3.977	3.977																		

1443807	x	at	Ccnf	BB089717	Mm.77695	17	5.293	5.595	5.013	4.918	5.105	4.993	5.167	5.384	5.215	5.565	5.153	5.151	4.977	5.178	5.109	5.103	4.808	4.872	4.979	4.959	5.080	4.885	5.250	5.075
1443808	at		D2Bwn1423e	BB263941	Mm.36529	2	5.677	5.368	5.662	5.542	5.458	5.481	5.550	5.492	5.443	5.538	5.590	5.526	5.564	5.418	5.834	5.571	5.509	5.748	5.524	5.828	5.660	5.542	5.408	5.494
1443809	at			AW122203	NA	NA	4.622	4.566	4.709	4.526	4.412	4.671	4.646	4.637	4.503	4.440	4.563	4.559	4.417	4.440	4.604	4.662	4.460	4.788	4.604	4.632	4.601	4.508	4.500	4.623
1443810	at		Tssk4	AV209080	Mm.171300	14	6.658	6.325	6.693	6.621	6.504	6.486	6.515	6.645	6.611	6.710	6.805	6.512	6.561	6.657	6.535	6.604	6.716	6.710	6.658	6.7029	6.651	6.498	6.624	6.626
1443811	at		NA	BB311311	NA	NA	5.650	5.435	5.588	5.348	5.370	5.444	5.271	5.389	5.227	5.584	5.633	5.348	5.513	5.137	5.322	5.634	5.652	5.658	5.627	5.638	5.592	5.139	5.506	5.573
1443812	x	at	NA	BB319311	NA	NA	5.376	5.027	5.605	5.227	5.112	5.146	5.108	5.065	5.546	5.282	5.253	5.398	5.226	5.380	5.392	5.504	5.605	5.489	5.514	5.221	5.266	5.530	5.200	
1443813	x	at	Bckdk	AV373435	Mm.425495	7	8.635	8.453	8.472	8.574	8.393	8.431	8.449	8.397	8.224	8.293	8.202	8.469	8.336	8.224	8.222	8.504	8.839	8.790	8.566	8.583	8.691	8.717	8.567	8.437
1443814	x	at	Ctsh	BB542535	Mm.2277	9	9.240	10.142	9.832	9.678	9.938	9.986	9.701	9.010	10.377	10.169	9.486	10.044	10.117	10.444	9.349	9.749	8.759	8.853	9.017	8.678	8.829	8.602	8.426	8.691
1443815	x	at	Slk	AV360460	Mm.281011	19	5.748	5.217	5.663	5.331	5.586	5.217	5.525	5.567	5.473	5.441	5.486	5.495	5.397	5.458	5.538	5.506	5.354	5.442	5.507	5.749	5.488	5.540	5.546	5.946
1443816	s	at	Pik3r6	BB240086	Mm.234573	11	10.273	9.819	10.120	10.182	10.064	10.091	10.148	10.218	9.905	9.883	10.305	9.954	10.068	10.097	10.233	10.106	10.241	10.201	10.157	10.298	10.382	10.274	10.415	10.337
1443817	x	at	Nkx-2.6	AV044239	Mm.390691	14	8.258	8.022	8.391	8.146	7.925	8.199	8.486	8.234	8.039	8.014	8.305	8.066	8.147	8.129	8.327	8.287	7.973	8.197	8.143	8.243	8.357	8.255	8.227	8.178
1443818	at		NA	BB211956	NA	NA	4.531	4.297	4.547	4.484	4.470	4.440	4.446	4.690	4.684	4.531	4.558	4.535	4.622	4.613	4.497	4.523	4.645	4.406	4.650	4.802	4.485	4.606	4.459	4.496
1443819	x	at	NA	BB379928	Mm.25849	5	10.114	9.987	9.911	9.828	10.054	9.887	9.978	9.898	9.860	9.995	9.955	10.218	9.909	9.759	9.965	9.938	10.171	10.244	10.028	9.933	10.044	10.043	9.854	9.753
1443820	x	at	Elovl1	BB339820	Mm.282096	4	4.930	5.501	4.870	4.968	5.522	4.768	4.837	5.326	5.478	5.580	5.446	5.237	5.262	5.579	5.256	4.757	4.944	5.184	5.015	4.719	4.983	5.030	5.056	4.914
1443821	at		NA	AW122758	NA	NA	3.920	3.866	3.938	3.904	3.716	3.857	3.910	3.752	3.877	3.889	4.096	3.754	3.887	3.813	3.896	3.892	3.912	4.017	3.910	3.996	3.918	3.874	3.826	3.877
1443822	s	at	Cisd1	AV347904	Mm.254114	10	11.834	11.191	11.725	11.876	11.587	11.827	11.846	11.566	10.656	10.903	11.425	11.411	11.220	10.919	11.370	11.748	11.979	12.045	12.012	11.973	12.079	12.050	12.020	11.948
1443823	s	at	Atpla1a2	AV325919	Mm.207432	1	12.132	10.988	12.273	12.328	11.906	12.490	12.225	12.014	9.500	10.617	11.162	11.881	11.929	11.149	12.290	12.194	12.395	12.477	12.444	12.504	12.608	12.050	12.712	12.786
1443824	s	at	Car7	BB193643	Mm.129265	8	8.723	8.274	8.751	8.759	8.903	8.708	8.997	8.955	8.146	8.346	8.603	8.816	8.693	8.498	8.780	8.774	9.036	9.037	8.748	8.909	8.977	8.826	8.522	8.527
1443825	x	at	Spnca3	AV045081	Mm.26988	11	7.934	7.437	8.017	7.731	7.594	8.279	7.995	7.368	7.528	7.639	8.063	7.398	7.761	7.638	8.105	7.913	7.718	8.059	7.956	8.325	7.759	7.455	7.960	7.948
1443826	x	at	Men1	BB269438	Mm.12917	19	8.352	8.309	8.238	8.145	8.480	8.209	8.271	8.481	8.602	8.391	8.435	8.315	8.642	8.393	8.325	8.077	8.326	8.322	8.350	8.337	8.243	8.254	8.220	8.207
1443827	x	at	BC020404	BB375974	Mm.320355	5	5.556	5.672	5.629	5.688	5.637	5.689	5.512	6.413	7.196	6.646	6.777	6.864	6.564	6.472	6.318	5.485	6.032	6.151	5.725	5.300	6.078	5.948	5.754	5.571
1443828	x	at	Herpud2	BB533709	Mm.142843	9	8.997	8.235	8.861	8.837	8.537	8.685	8.831	8.574	8.204	8.142	8.596	8.636	8.423	8.375	8.668	8.874	8.999	8.973	8.883	9.070	8.966	8.989	8.754	8.976
1443829	x	at	Coasy	AV260982	Mm.182271	11	7.043	7.106	7.328	6.800	6.635	6.610	6.757	6.418	7.307	7.140	6.338	6.844	6.746	7.071	6.593	6.639	6.636	6.738	6.577	6.408	6.933	7.115	7.019	6.892
1443830	x	at	Rnf103	AV337784	Mm.422969	6	8.586	8.769	8.730	8.529	8.771	8.649	8.556	8.568	9.032	9.134	8.984	9.177	9.061	8.860	9.126	8.697	8.428	8.412	8.355	8.329	8.408	8.571	8.717	8.740
1443831	s	at	Mtf15	AV277921	Mm.209941	19	6.238	6.071	6.159	6.411	5.953	6.269	6.106	6.114	6.120	5.749	5.995	5.954	5.851	5.781	6.000	5.801	5.997	6.182	6.083	6.247	6.161	6.337	5.800	6.338
1443832	s	at	Sdpr	AV064339	Mm.398690	1	10.608	10.364	10.318	10.923	10.656	10.788	10.979	11.523	10.250	10.463	10.553	10.908	10.483	10.459	10.788	10.380	11.458	11.210	11.088	10.983	11.291	11.503	10.496	10.581
1443833	at		Wdr48	BB064885	Mm.473239	9	9.643	9.605	9.692	9.791	9.855	9.645	9.691	9.483	9.593	9.614	9.500	9.882	9.884	9.543	9.847	9.722	9.842	9.888	9.725	9.733	9.660	9.949	9.847	9.729
1443837	x	at	Bcl2	BB030997	Mm.257460	1	7.309	7.610	7.648	7.394	7.494	7.467	7.304	7.683	7.374	7.386	7.493	8.007	7.624	7.449	7.424	7.400	7.454	7.352	7.355	7.402	7.331	7.100	7.372	7.160
1443838	x	at	Fads2	BB229957	Mm.38901	19	6.039	6.877	6.510	6.361	6.307	6.473	6.223	6.488	6.593	6.423	6.496	6.510	6.540	6.385	6.382	6.176	6.384	6.320	6.274	6.207	6.308	6.304	6.195	6.501
1443839	at		1700010H22Rik	AV209320	Mm.79012	5	4.111	4.015	4.096	3.986	4.009	3.975	4.029	4.178	3.989	3.953	3.974	4.018	3.934	4.047	4.164	3.895	3.966	3.954	4.069	4.071	4.244	4.294	4.084	3.899
1443840	x	at	1700010H22Rik	AV209320	Mm.79012	5	4.736	4.441	4.457	4.274	4.436	4.559	4.508	4.575	4.412	4.384	4.465	4.574	4.220	4.600	4.565	4.481	4.485	4.488	4.445	4.423	4.416	4.780	4.572	4.475
1443841	at		Arfge1	BB211956	NA	NA	4.592	4.293	4.433	4.282	4.105	4.357	4.128	4.377	4.452	4.144	4.345	4.454	4.258	4.437	4.253	4.485	4.432	4.422	4.356	4.422	4.356	4.412	4.729	
1443842	at		Arfge2	BB242531	Mm.297192	2	4.061	4.126	3.889	4.098	4.163	4.030	4.002	4.268	4.130	4.138	4.075	4.090	4.168	4.094	4.037	4.185	4.057	4.054	3.825	4.084	4.220	4.223	4.101	4.110
1443843	x	at	NA	AV169685	NA	NA	14.280	14.416	14.213	14.197	14.143	14.250	14.270	14.145	14.412	14.274	14.215	14.241	14.157	14.379	14.201	14.124	14.152	14.299	14.225	14.144	14.183	14.046	14.145	14.087
1443844	at		Rhox13	AV269723	Mm.50505	X	4.002	4.011	4.000	3.945	3.954	3.918	4.144	4.051	4.214	4.013	4.075	3.983	3.967	4.144	3.953	3.971	4.038	3.861	4.010	4.076	3.960	3.854	3.951	4.061
1443845	x	at	1700012P22Rik	AV210142	Mm.158267	4	4.506	4.678	4.633	4.599	4.825	4.641	4.781	4.544	4.680	4.474	4.736	4.742	4.599	4.668	4.641	4.556	4.790	4.507	4.830	4.808	4.701	4.692	4.586	4.705
1443846	x	at	NA	BB402666	NA	NA	6.431	6.063	6.438	6.367	6.297	6.208	6.389	6.202	5.901	6.126	6.082	6.039	6.052	6.045	6.152	6.207	6.453	6.162	6.353	6.187	6.436	6.351	6.351	6.408
1443847	x	at	Aff2	BB342212	Mm.466576	X	6.876	7.854	6.811	7.208	7.758	7.475	6.806	7.015	7.949	8.001	6.802	7.855	8.483	7.581	7.392	6.671	7.197	7.300	7.680	6.270	6.675	6.970	6.796	6.449
1443848	at		NA	BB211956	NA	NA	7.346	7.047	7.063	7.132	7.274	7.605	7.247	7.043	7.245	7.046	7.247	7.047	7.247	7.047	7.247	7.047	7.247	7.047	7.247	7.047	7.247	7.047	7.247	7.047
1443849	at		Urod	AV292768	Mm.46484	4	11.631	11.451	11.651	11.622	11.547	11.458	11.690	11.422	11.393	11.339	11.622	11.533	11.095	11.422	11.462	12.069	11.970	11.759	11.739	11.911	11.911	11.540	11.257	

1443896	at	Tbc1d5	AW240761	Mm.120650	17	9.333	9.274	9.488	9.361	9.535	9.386	9.418	9.330	9.741	9.704	9.366	9.496	9.434	9.513	9.496	9.521	9.217	9.348	9.353	9.349	9.075	9.205	9.300	9.467
1443897	at	Ddit3	BB200603	Mm.110220	10	7.827	7.807	7.632	7.981	7.732	7.876	7.882	7.809	7.283	7.380	7.116	7.651	7.124	7.162	7.686	7.641	8.255	7.876	7.643	7.597	7.753	7.543	8.080	7.485
1443898	at	Bcl7c	BB826733	Mm.89667	7	7.091	7.031	6.869	6.928	6.866	6.910	6.837	6.847	6.872	6.957	7.014	6.887	7.073	6.522	6.774	6.837	7.128	7.005	6.930	6.994	7.130	7.037	6.811	6.975
1443899	at	4922501C03Rik	BM230782	Mm.335338	9	5.901	6.328	6.293	6.217	6.399	6.381	6.226	6.498	6.607	6.117	6.188	6.486	6.625	6.223	6.241	6.267	6.493	6.448	6.204	6.156	6.438	6.245	6.119	5.999
1443900	at	Chn9b	AV117964	Mm.289934	14	5.629	5.781	5.579	5.638	5.594	5.361	5.587	5.808	5.814	5.748	5.463	5.615	5.607	5.532	5.848	5.458	5.951	5.687	5.686	5.552	5.619	5.917	5.700	5.538
1443901	at	SB80404H04Rik	BB481579	Mm.1465	16	6.540	6.113	6.570	6.529	6.512	6.361	6.421	6.381	6.343	6.348	6.603	6.623	6.472	6.537	6.665	6.531	6.471	6.292	6.526	6.510	6.582	6.336	6.848	6.818
1443902	at	6430573F11Rik	BB184148	Mm.180924	8	5.207	4.920	5.295	5.045	5.207	5.070	5.094	5.180	4.943	5.131	5.273	4.999	5.194	4.910	5.087	5.220	5.385	5.210	5.207	5.275	5.094	5.242	5.181	5.175
1443903	at	Ppm1a	BF471867	Mm.261045	12	7.727	7.406	7.658	7.615	7.495	7.557	7.626	7.435	7.523	7.397	7.711	7.415	7.545	7.428	7.602	7.602	7.714	7.586	7.675	7.711	7.637	7.739	7.640	7.702
1443904	at	Fads6	BE962338	Mm.21995	11	5.895	6.051	6.002	6.034	6.084	6.010	5.899	6.008	6.035	6.058	5.725	5.907	5.826	6.171	5.978	6.086	6.036	6.349	6.373	6.381	5.857	5.898	5.707	5.853
1443905	at	Cd5	BM234702	NA	NA	7.088	6.737	7.070	7.191	7.106	7.164	6.967	6.656	7.201	7.330	6.854	7.008	6.719	6.879	6.826	7.290	6.593	7.118	6.795	7.009	7.064	5.910	7.580	6.994
1443906	at	Cd55	BE686894	Mm.101591	1	6.697	6.661	6.590	7.228	7.071	7.032	7.081	7.233	6.666	6.897	6.712	7.219	6.927	6.855	7.065	6.674	6.500	6.849	6.861	6.713	6.534	6.818	6.351	6.127
1443907	at	Lnped	BB069003	Mm.328807	17	4.921	4.879	4.736	4.672	4.479	4.805	4.762	4.855	4.875	5.188	5.271	4.668	4.636	5.076	5.030	4.943	4.588	4.768	4.671	4.799	4.767	4.911	5.257	5.051
1443908	at		BB205833	NA	NA	7.204	6.875	7.108	7.151	6.917	6.980	7.153	7.112	6.951	6.767	6.978	6.861	6.901	6.945	7.081	7.181	6.970	7.098	6.954	7.149	7.181	6.913	7.245	7.238
1443909	at	Cstf3	BM218423	Mm.259876	2	4.888	5.299	5.040	5.083	4.675	5.287	5.188	5.314	5.008	5.235	5.267	5.022	4.979	5.050	5.050	5.145	5.071	5.047	4.928	4.904	4.764	5.096	5.353	5.346
1443910	at	6330408A02Rik	BB212936	Mm.458832	7	5.933	5.763	5.834	5.752	5.894	5.575	5.857	5.876	5.806	5.704	5.951	5.639	5.669	5.932	5.841	6.046	5.779	5.744	5.742	5.977	5.895	5.821	5.882	5.972
1443911	at		BB364789	NA	NA	3.880	4.121	4.016	4.005	4.051	3.938	4.032	4.134	3.958	4.056	3.997	4.063	4.094	4.100	4.030	3.808	4.214	4.042	3.748	3.916	4.029	4.149	4.027	3.874
1443912	at	NA	BE986094	NA	NA	4.629	4.566	5.003	4.583	4.598	4.564	5.007	4.657	4.580	4.258	4.893	4.556	4.615	4.413	4.533	4.736	4.806	4.674	4.582	4.724	4.722	4.720	4.700	4.482
1443913	at	NA	BO071002	NA	NA	7.988	7.626	7.844	7.732	7.731	7.724	7.535	7.781	7.749	7.767	7.747	7.592	7.504	7.610	7.720	7.900	7.730	7.742	7.817	7.972	7.760	7.637	7.801	7.786
1443914	at	Ulkp	BB219373	Mm.58924	19	5.813	5.722	5.863	5.946	5.639	5.974	6.103	5.903	5.897	5.999	6.085	5.774	5.968	5.960	5.943	6.204	5.914	5.966	6.006	6.084	6.046	5.844	6.036	6.228
1443915	at	Mrg47	BE957160	Mm.289960	3	6.900	6.804	7.043	5.999	5.865	6.044	6.306	7.065	6.534	6.601	6.762	6.692	6.465	6.600	6.651	6.882	7.388	6.515	6.948	6.967	7.180	6.346	6.874	6.417
1443916	at	2900026A02Rik	BB225811	Mm.160131	5	6.816	7.031	6.891	6.767	6.996	6.690	6.570	7.091	7.082	7.049	7.300	7.059	7.121	6.925	7.286	6.889	6.594	6.704	6.894	6.749	6.987	6.566	6.930	6.996
1443917	at	Tmbim4	BB184402	Mm.157426	10	7.531	7.330	7.752	7.639	7.686	7.596	7.801	7.587	7.502	7.358	7.599	7.524	7.830	7.636	7.697	7.600	7.656	7.643	7.668	7.750	7.693	7.659	7.623	7.614
1443918	at	2700050L05Rik	BG068962	Mm.174044	7	6.427	6.315	6.511	6.647	6.460	6.470	6.479	6.433	6.643	6.488	6.567	6.383	6.485	6.508	6.439	6.468	6.636	6.661	6.486	6.693	6.649	6.509	7.165	6.776
1443919	at	Prrt3	BB306111	Mm.133060	6	5.078	5.221	5.031	5.025	5.102	4.641	5.072	5.017	4.656	4.772	4.941	4.797	4.600	4.826	4.814	4.975	4.671	4.952	4.919	5.281	4.987	5.106	5.007	5.067
1443920	at	Ccdc66	BE650794	Mm.247767	14	6.793	7.353	7.586	7.426	7.467	7.577	7.688	7.386	7.242	7.411	7.387	7.307	7.696	7.374	7.232	7.512	7.533	7.698	7.733	7.711	7.553	7.423	7.557	7.277
1443921	at	Ranbp31	BB496379	Mm.321371	15	6.949	6.554	6.898	6.624	6.670	6.585	6.775	6.507	6.441	6.601	6.738	6.385	6.484	6.682	6.796	6.584	6.531	6.678	6.871	6.862	6.639	6.541	6.689	6.585
1443922	at	Rcp31	Mm.207457	1	6.351	6.219	6.092	6.868	6.906	6.842	6.908	6.837	6.964	6.806	6.748	6.979	6.748	6.903	6.734	6.979	6.748	6.903	6.576	6.681	6.849	6.636	6.849	6.689	6.578
1443923	at	Akap13	BB011550	Mm.216107	7	6.935	6.206	6.462	6.495	6.178	6.413	6.493	6.483	6.430	6.432	6.859	6.450	6.872	6.149	6.877	6.776	6.896	6.860	6.822	6.848	6.968	6.836	6.767	6.477
1443924	at	Wnk3	BB084132	Mm.441474	X	5.627	5.711	5.509	5.680	5.501	5.706	5.742	5.777	5.762	5.278	5.734	5.609	5.612	5.627	5.614	5.587	5.616	5.631	5.657	5.661	5.618	5.586	5.487	5.548
1443925	at	Gats	BB474826	Mm.45218	5	8.243	7.854	8.191	8.084	7.924	8.122	8.205	8.024	8.034	7.965	8.133	7.984	8.019	7.894	8.104	8.051	8.026	7.955	8.283	8.180	8.071	7.959	7.960	8.213
1443926	at	NA	BM124348	NA	NA	4.221	4.499	4.288	4.546	4.262	4.973	4.868	4.426	4.422	4.960	3.716	5.087	4.630	4.544	5.253	4.708	4.899	4.476	5.104	5.022	5.201	4.997	4.797	5.068
1443927	at	Uba6	BE922991	Mm.34012	5	4.006	4.122	4.176	4.073	3.856	4.037	4.022	4.118	4.128	4.101	3.910	4.138	4.098	4.227	4.265	3.981	3.989	3.966	4.120	4.298	4.091	4.104	4.000	4.246
1443928	at	Cvtip	AI462064	Mm.273905	2	7.458	7.407	7.367	7.299	7.360	7.196	7.409	7.484	7.611	7.379	7.567	7.216	7.474	7.640	7.283	7.367	7.215	7.232	7.303	7.283	7.377	7.209	7.246	7.302
1443929	at	ENSMUSG000000	BG083020	NA	1	5.237	4.941	4.973	5.065	5.045	5.036	5.140	5.076	4.998	5.006	5.238	4.959	5.022	4.955	4.793	5.131	5.004	5.158	5.200	5.161	4.901	5.017	5.136	4.923
1443930	at	Btbd11	AI525166	Mm.440614	17	4.950	4.206	4.462	4.495	4.178	4.213	4.434	4.483	4.430	4.432	4.659	4.530	4.432	4.659	4.432	4.575	4.919	4.423	4.575	4.912	4.461	4.508	4.942	4.477
1443931	at	NA	AW548399	NA	NA	4.933	4.939	5.030	5.031	4.934	4.989	4.965	4.905	4.939	4.834	4.971	5.016	4.781	4.977	5.012	4.994	4.949	4.893	4.890	4.978	4.953	4.987	4.653	4.943
1443932	at	Klhdcl1	BO176961	Mm.180969	12	10.525	9.161	10.123	10.851	10.128	10.114	10.378	9.563	9.095	9.465	9.328	10.040	9.746	9.309	10.333	10.989	10.807	10.606	10.634	10.921	10.460	10.745	10.789	10.985
1443933	at	Tc2n	BB548141	Mm.275939	12	4.610	4.290	4.512	4.368	4.421	4.436	4.376	4.471	4.324	4.347	4.342	4.209	4.347	4.370	4.305	4.314	4.283	4.276	4.262	4.539	4.622	4.503	4.348	4.576
1443934	at	9230110C19Rik	BA167525	Mm.172430	9	5.269	5.422	5.636	5.415	5.437	5.340	5.551	5.168	6.014	6.015	5.312	5.318	5.506	5.263	5.333	5.083	5.277	5.351	5.520	5.312	5.415	5.581	5.504	5.583
1443935	at	BC032203	BI683943	Mm.37642	17	7.895	7.926	8.162	8.224	7.821	8.260	8.050	7.930	7.988	8.010	7.989	8.239	8.205	8.104	8.259	8.203	8.071	7.962	8.198	8.102	7.857	7.993	8.146	8.151
1443936	at	NA	BB711907	NA	NA	6.047	5.886	6.114	5.921	5.907	6.045	6.084	5.722	5.878	5.815	6.090	5.717	5.673	6.022	5.996	5.849	5.908	5.972	5.820	6.162	6.1			

1443985	at	Zfp719	BB435659	Mm.234422	7	6.210	5.907	6.311	6.115	6.188	6.273	6.434	6.239	5.937	6.165	6.271	6.050	6.402	6.199	6.390	6.342	6.335	6.364	6.406	6.439	6.239	5.970	6.319	6.317
1443986	at	Cdc73	BB211070	Mm.389191	1	7.826	7.967	8.030	7.866	7.840	8.106	7.950	8.041	7.423	7.708	7.744	8.222	7.943	7.760	7.966	8.266	8.233	8.078	7.978	7.903	8.040	8.357	8.029	8.015
1443987	at	Khlh18	BB283043	Mm.41744	9	7.776	7.466	7.570	7.581	7.311	7.210	7.485	7.605	7.505	7.257	7.312	7.474	7.368	7.405	7.394	7.627	7.509	7.376	7.508	7.610	7.703	7.389	7.490	7.506
1443988	at	Rbm39	AI451374	Mm.392436	6	7.894	7.682	7.746	7.684	7.050	7.552	7.699	7.457	7.639	7.514	7.426	7.399	7.595	7.517	7.390	7.665	7.267	7.357	7.583	7.138	7.419	7.600	7.219	6.967
1443989	at	Tbr078721	BB018781	Mm.134012	12	4.022	3.723	3.887	3.841	3.821	4.167	3.897	4.051	4.000	3.985	4.069	4.015	3.928	4.100	3.968	4.011	4.093	4.030	4.136	4.178	4.083	3.824	4.080	4.022
1443990	at	Ntrk1	AW124632	Mm.80682	3	6.671	6.563	6.594	6.726	6.613	6.625	6.476	6.788	6.783	6.496	6.656	6.492	6.562	6.613	6.663	6.626	6.716	6.444	6.578	6.521	6.607	6.601	6.592	6.584
1443991	at	Dnc11	BB283533	Mm.436572	7	4.829	4.825	4.524	4.932	4.844	4.860	4.909	4.995	4.826	4.627	4.882	4.886	4.843	4.744	4.802	4.801	4.880	4.796	4.760	4.870	4.800	4.857	4.835	4.850
1443992	at	Nipbl	BB203972	Mm.240329	15	5.524	5.286	5.544	5.664	5.501	5.516	5.512	5.326	5.224	5.421	5.323	5.351	5.341	5.364	5.660	5.522	5.473	5.473	5.476	5.226	5.225	5.479	5.379	5.630
1443993	at	Zc3h12a	BE852171	Mm.402	4	7.609	7.261	7.275	7.506	7.453	7.384	7.348	7.488	7.422	7.438	7.793	7.304	7.289	7.304	7.327	7.468	7.533	7.430	7.583	7.473	7.530	7.168	7.479	7.421
1443994	at	60304070O0Rik	BB038825	Mm.359721	1	5.153	4.880	4.993	4.870	4.830	4.708	4.907	5.292	4.883	4.637	4.480	4.624	4.887	4.746	4.720	4.887	4.804	5.027	4.850	5.052	4.869	5.013	4.895	4.882
1443995	at	Gm9	AW544562	Mm.296429	X	5.541	5.262	5.298	5.401	5.289	5.277	5.350	5.238	5.351	5.238	5.523	5.272	5.312	5.395	5.197	5.536	5.378	5.561	5.344	5.269	5.484	5.388		
1443996	at	NA	B2220625	NA	NA	5.780	5.751	5.835	5.977	5.602	5.680	5.666	5.694	5.665	5.573	5.858	5.717	5.744	5.654	5.726	5.836	5.532	5.595	5.890	5.736	5.735	5.567	5.847	5.733
1443997	at	Gorin2	BB307595	Mm.303696	14	5.822	5.409	5.718	5.577	5.593	5.306	5.904	5.455	5.648	5.609	5.598	5.566	5.828	5.601	5.586	5.607	5.609	5.843	5.643	5.666	5.97	5.531	5.633	5.632
1443998	at	NA	BE980823	NA	NA	6.165	5.886	5.914	5.976	6.112	6.165	6.041	6.055	6.053	5.988	6.061	5.861	5.902	5.947	6.434	6.038	6.084	6.161	6.109	6.171	5.994	5.905	6.089	6.202
1443999	at	NA	BB203873	NA	NA	4.824	4.871	4.831	4.808	5.000	4.790	4.790	4.907	4.863	4.700	4.806	4.825	4.750	4.795	4.693	4.664	4.790	4.702	4.940	4.803	4.673	5.138	4.772	4.764
1444000	at	94300247F10Rik	BB448693	Mm.129691	12	7.554	7.166	7.427	7.464	7.424	7.420	7.491	7.363	7.179	7.092	7.471	7.269	7.270	7.247	7.222	7.448	7.524	7.436	7.327	7.626	7.426	7.271	7.572	7.441
1444001	at	NA	AW488249	NA	NA	7.421	7.274	7.321	7.457	7.393	7.660	7.501	7.332	7.301	7.341	7.502	7.482	7.577	7.392	7.457	7.347	7.590	7.783	7.493	7.956	7.815	7.532	7.647	7.674
1444002	at	Foxl2	BE981335	Mm.151239	9	6.633	6.516	6.609	6.616	6.562	6.285	6.552	6.630	6.367	6.267	6.506	6.498	6.447	6.361	6.256	6.509	6.671	6.396	6.424	6.524	6.719	6.481	6.582	6.529
1444003	at	LincR	AW610818	Mm.389110	1	6.918	7.680	6.893	7.067	7.435	6.967	7.059	7.313	8.151	7.824	7.543	8.385	8.059	8.068	7.430	6.879	7.289	6.815	7.034	6.787	7.202	7.285	6.699	6.852
1444004	at	Thoc2	BB375353	Mm.259498	X	10.926	11.015	10.998	10.847	10.923	11.023	10.906	11.011	10.849	10.935	11.007	11.138	11.089	10.963	11.076	10.940	10.977	11.008	10.910	10.974	10.814	11.097	10.990	10.990
1444005	at	NA	AI529516	NA	NA	6.157	5.889	5.672	6.007	5.966	5.911	5.874	5.942	6.059	5.918	5.930	5.956	5.932	5.813	5.889	5.859	6.446	6.115	5.891	5.988	6.026	6.039	5.772	5.702
1444006	at	Setd2	AI466898	Mm.288949	9	5.245	5.310	5.426	5.345	5.331	5.461	5.241	5.142	5.275	5.292	5.019	5.351	5.274	5.216	5.236	5.341	5.301	5.200	5.344	5.465	5.218	5.176	5.593	5.218
1444007	at	A830082K12Rik	BB380706	Mm.393122	13	4.128	3.994	4.032	4.103	3.977	4.227	4.198	4.072	4.008	4.026	4.033	4.035	3.965	3.992	4.166	4.132	4.108	4.140	4.141	4.157	4.065	4.035	4.165	4.141
1444008	at	100039284	BB396393	Mm.450678	10	8.247	8.092	8.469	8.391	8.363	8.352	8.286	8.353	8.211	8.239	8.103	8.311	8.494	8.274	8.259	8.321	8.543	8.473	8.470	8.518	8.308	8.295	8.449	8.085
1444009	at	Rassf4	AV217688	Mm.257931	6	7.238	7.826	7.066	7.137	7.277	7.041	7.114	7.805	7.809	7.469	7.406	7.327	7.410	7.610	7.250	7.137	7.251	7.115	7.270	6.751	7.239	7.493	7.172	7.286
1444010	at	Erf4e	B0032226	Mm.3941	3	6.580	6.329	6.604	6.591	6.454	6.460	6.503	6.663	6.558	6.384	6.566	6.490	6.438	6.331	6.452	6.561	6.624	6.463	6.395	6.527	6.772	6.716	6.595	6.551
1444011	at	Ap3c5	BB408673	Mm.38155	2	5.254	5.137	5.230	5.135	5.233	5.156	5.266	5.266	5.235	5.235	5.235	5.235	5.272	5.436	5.287	5.436	5.517	5.379	5.513	5.379	5.513	5.355	5.213	5.355
1444012	at	Yif3	BB749092	Mm.248769	17	6.810	6.088	6.622	6.529	6.715	6.622	6.559	6.827	6.790	6.623	6.596	6.689	6.623	6.562	6.607	6.624	6.607	6.546	6.692	6.717	6.930	6.646	6.682	6.368
1444013	at	5930412G12Rik	BB528764	Mm.387738	5	7.145	6.853	7.176	7.084	7.175	7.069	7.151	7.312	7.192	7.072	7.317	6.913	7.150	7.176	7.097	7.048	7.102	6.891	7.047	7.283	7.163	7.044	7.137	7.184
1444014	at	NA	BB551133	NA	NA	6.993	6.344	6.917	6.733	6.637	6.747	6.801	7.027	6.667	6.602	6.789	6.792	6.834	6.639	6.676	6.811	7.032	7.048	6.754	6.934	6.625	6.884	6.968	6.873
1444015	at	NA	AV307016	NA	NA	7.558	8.112	7.588	7.387	7.623	7.606	7.599	7.495	8.154	8.087	7.761	7.880	7.830	8.174	7.676	7.520	7.485	7.615	7.660	7.486	7.378	7.514	7.718	7.628
1444016	at	Anxa1	BE331865	Mm.248360	19	6.069	6.123	6.332	6.306	6.346	6.262	6.362	6.588	6.601	6.539	6.500	6.597	6.729	6.714	6.280	6.146	6.191	6.360	6.115	6.109	6.058	6.210	6.328	6.135
1444017	at	NA	BE692322	NA	NA	6.982	6.963	7.122	6.941	6.662	6.733	6.806	6.894	6.850	6.901	6.943	7.122	6.920	7.103	6.796	6.962	6.665	6.796	6.812	6.780	6.861	6.983	7.105	6.909
1444018	at	BB930098A02Rik	BB794854	Mm.368273	5	5.772	5.778	5.978	6.115	5.964	6.106	5.895	6.092	5.917	6.104	6.027	6.196	6.108	6.118	6.258	5.850	6.125	6.250	6.331	5.938	6.332	6.311	6.102	6.308
1444019	at	Ctcf19	BI041058	Mm.26760	4	6.924	6.825	6.943	6.779	6.917	6.725	6.952	6.735	6.746	6.735	6.735	6.683	6.596	6.559	6.657	6.779	6.880	6.778	6.885	6.778	6.895	6.787	6.955	6.744
1444020	at	NA	BM939365	NA	NA	7.220	6.883	7.124	7.260	7.209	7.261	7.220	7.528	7.301	7.037	7.178	7.210	7.116	7.111	7.072	7.308	7.201	7.346	7.096	7.289	7.366	7.196	7.379	7.276
1444021	at	Sgstm1	AW741388	Mm.408828	11	7.539	7.014	7.059	7.290	7.291	7.236	7.089	6.980	6.938	7.118	6.632	7.104	6.986	6.583	7.125	7.118	7.282	6.966	6.811	7.209	6.865	7.072	7.211	7.136
1444022	at	NA	BF782342	NA	NA	8.339	7.759	8.498	8.133	8.129	8.496	8.468	7.798	7.731	7.924	8.195	7.908	7.919	8.071	8.370	8.447	8.071	8.364	8.326	8.519	7.989	8.021	8.347	8.250
1444023	at	Ank2	BB823066	Mm.220242	3	4.362	4.250	4.431	4.267	4.407	4.554	4.354	4.178	4.162	4.196	4.387	3.970	4.098	4.173	4.312	4.306	4.155	4.406	4.714	4.302	4.270	4.499	4.287	4.469
1444024	at	Ercb3	BB831617	Mm.31911	X	5.319	5.146	5.195	5.355	5.501	5.129	5.392	5.454	5.148	5.091	5.258	5.091	5.223	5.231	5.416	5.259	5.237	5.177	5.286	5.200	5.258	5.131	5.331	5.274
1444025	at	Kcm3	BB395066	Mm.5127	2	8.269	6.894	8.847	8.380	7.566	8.691	8.249	6.304	5.923	6.636	6.908	6.649	6.349	6.233	7.521	8.764	7.285	8.235	8.376	8.364	7.817	7.440	8.650	8.593

1444074	at	Syne2	BE996559	Mm.26652	12	4.891	4.981	4.750	4.693	4.838	4.421	4.729	4.816	4.721	4.806	4.844	4.795	4.689	5.062	4.753	4.750	4.835	4.982	4.419	5.069	4.591	4.610	4.828	4.713
1444075	at	Filip1	BM114762	Mm.23049	9	8.721	8.372	8.422	8.397	8.765	8.355	8.420	9.480	8.710	8.912	8.086	8.971	8.791	8.242	9.199	8.625	9.182	8.692	8.398	8.720	9.321	9.469	9.043	9.176
1444076	at		BG063074	NA	NA	7.381	7.837	7.709	7.325	7.508	7.793	7.789	7.765	7.641	7.749	7.883	7.418	7.579	7.800	7.848	7.780	7.670	7.697	7.630	7.881	7.713	7.753	7.860	7.819
1444077	at	Stxbp5l	BE993694	Mm.80170	16	5.997	5.508	5.830	5.859	5.907	5.648	5.840	5.978	5.748	5.803	6.051	5.663	5.853	5.817	5.590	5.820	5.883	6.030	5.915	6.267	6.207	6.167	5.862	6.128
1444078	at	Cd8a	BM154331	Mm.1858	6	5.828	5.281	5.660	5.917	5.787	5.587	5.808	5.584	5.742	5.514	5.556	5.911	5.655	5.784	5.685	5.818	5.658	5.700	5.656	5.810	5.638	5.713	5.741	5.627
1444079	at	NA	BG067978	NA	NA	6.947	6.660	6.700	6.811	6.665	6.842	7.040	6.551	6.550	6.653	6.677	6.494	6.195	6.667	6.622	6.804	6.620	6.744	6.806	6.703	6.700	6.822	6.835	6.750
1444080	at	Nav2	AW487895	Mm.333881	7	7.003	7.153	6.670	7.080	7.243	6.992	7.020	7.388	6.764	6.789	6.716	7.121	7.040	6.904	6.844	6.948	7.802	7.353	7.176	7.078	7.451	7.314	7.097	6.852
1444081	at	NA	BB298274	NA	NA	5.100	4.858	4.991	5.099	5.003	5.286	5.019	4.852	4.947	4.696	4.967	4.992	4.810	4.886	5.148	4.934	5.032	4.856	5.087	4.964	5.137	4.978	5.011	4.899
1444082	at	A7300172C20Rik	BB372609	Mm.209711	18	6.295	6.137	6.317	6.404	6.403	6.446	6.434	6.407	6.254	6.307	6.492	6.001	6.392	6.457	6.322	6.412	6.261	6.163	6.577	6.635	6.348	6.253	6.485	6.394
1444083	at	Ttn	BM122177	Mm.373672	2	13.424	13.123	13.483	13.691	13.662	13.602	13.607	13.500	12.790	13.181	13.389	13.357	13.311	13.131	13.422	13.590	13.513	13.479	13.463	13.487	13.388	13.504	13.496	13.744
1444084	at	Prr4	BB175323	Mm.259609	2	7.369	6.847	7.243	7.139	7.026	7.130	7.218	7.172	7.097	6.879	7.320	6.951	7.083	7.072	7.085	7.173	7.310	7.011	7.083	7.428	6.594	7.078	7.165	6.983
1444085	at	Pdss2	AA590213	Mm.363225	10	10.545	10.157	10.508	10.613	10.161	10.464	10.506	10.303	9.456	9.696	10.006	10.023	9.632	9.527	9.922	10.576	10.848	10.725	10.575	10.623	10.665	10.865	10.551	10.723
1444086	at	E030049G20Rik	BB536333	Mm.377224	1	5.801	5.603	6.191	5.976	6.188	6.725	6.741	5.547	5.026	5.102	5.274	5.756	5.500	5.265	6.121	6.314	6.297	6.657	6.911	6.771	6.694	6.571	7.164	7.147
1444087	at	Prr38a	AV320497	Mm.157534	4	4.398	4.605	4.796	4.939	4.462	4.903	4.819	4.752	4.863	4.516	4.753	4.794	4.731	4.672	4.859	4.779	5.086	4.631	4.764	4.734	4.592	4.603	4.651	4.814
1444088	at	NA	BE447255	NA	NA	6.181	6.297	6.123	6.082	6.305	6.027	6.285	6.295	6.410	6.240	6.467	6.107	6.373	6.431	6.290	6.071	6.281	6.481	6.537	6.320	6.319	6.311	6.351	6.423
1444089	at	Spnb2	AV016275	Mm.123110	11	11.322	10.559	11.529	11.042	10.227	10.780	10.911	10.628	10.275	10.603	10.658	10.491	10.527	10.643	10.632	11.622	10.926	10.787	10.716	10.793	10.957	11.182	11.494	11.377
1444090	at	Pram1	AI561611	Mm.272606	17	7.091	6.962	7.133	7.178	6.958	6.902	7.023	7.058	7.093	6.823	7.053	6.826	6.993	6.914	6.777	6.947	6.972	6.893	6.907	6.997	6.988	7.113	6.983	6.850
1444091	a at	6430571L13Rik	BB048100	Mm.71039	9	5.244	5.126	5.137	5.299	5.081	5.038	5.238	5.170	4.945	4.889	4.926	5.028	5.089	5.097	5.020	5.127	5.165	4.990	5.056	5.076	5.146	5.035	4.887	5.050
1444092	at	9430025M13Rik	BM228262	Mm.148946	7	7.471	7.223	7.453	7.580	7.036	7.442	7.347	7.957	7.655	7.418	7.458	7.574	7.528	7.420	6.829	7.444	7.829	7.351	7.180	7.575	7.337	7.145	7.574	7.109
1444093	at	493057M11Rik	BB016121	Mm.379232	1	5.850	5.589	5.902	5.917	5.556	5.787	5.951	5.672	5.733	5.805	5.871	5.684	5.660	5.524	6.003	5.832	5.893	5.811	5.946	5.690	5.975	5.761	5.678	6.047
1444094	at	NA	AW557309	NA	NA	6.048	5.816	5.865	6.115	5.751	5.980	6.065	6.056	5.920	5.783	5.940	5.945	5.938	5.924	5.934	6.012	6.010	6.061	6.062	6.335	6.095	6.066	6.146	6.059
1444095	a at	LOC100048701	BE986579	NA	2	6.039	5.659	6.011	6.048	5.730	5.763	5.866	5.806	5.633	5.724	5.849	5.622	5.793	5.678	5.683	5.856	5.881	5.741	5.823	5.873	5.697	5.550	5.797	6.222
1444096	at	9330115C17Rik	BB075907	Mm.273496	15	7.765	7.495	7.815	7.727	7.712	7.666	7.760	7.371	7.569	7.432	7.549	7.538	7.595	7.619	7.493	7.755	7.334	7.408	7.424	7.487	7.340	7.318	7.719	7.549
1444097	at	Metnl	BB544962	Mm.153566	11	7.470	7.736	7.383	7.519	7.542	7.472	7.586	7.525	7.761	7.766	7.739	7.575	7.700	7.833	7.850	7.292	7.270	7.077	7.321	7.374	7.484	7.246	7.816	7.668
1444098	at	NA	BE948594	NA	NA	6.702	6.423	6.628	6.639	6.631	6.423	6.621	6.545	6.526	6.495	6.791	6.499	6.626	6.662	6.618	6.756	6.725	6.707	6.658	6.930	6.841	6.621	6.732	6.720
1444099	at	NA	AI461619	NA	NA	5.640	5.183	5.399	5.392	5.382	5.189	5.491	5.340	5.419	5.302	5.179	5.351	5.386	5.516	5.385	5.363	5.236	5.542	5.317	5.391	5.405	5.434	5.394	5.410
1444100	at	NA	AI480718	NA	NA	8.493	8.047	8.165	8.102	8.085	8.188	8.591	8.065	8.272	8.185	8.403	8.329	8.165	8.375	8.570	8.365	8.778	8.670	8.703	8.640	8.779	8.678	8.748	8.910
1444101	at	Qdrl	BB523536	Mm.330116	2	6.230	6.502	6.366	6.479	6.586	6.449	6.635	6.593	6.168	6.411	6.458	6.318	6.447	6.421	6.293	6.596	6.236	6.474	6.221	6.293	6.373	6.400	6.405	6.189
1444102	at	NA	BF019988	NA	NA	6.734	6.412	6.744	6.564	6.501	6.691	6.921	6.770	6.566	6.653	6.613	6.653	6.520	6.761	6.926	6.887	6.628	6.489	6.636	6.929	6.551	6.586	6.607	6.996
1444103	at	Epsl1	BB154109	Mm.68134	14	5.066	5.293	5.253	5.266	5.160	5.273	5.408	5.106	5.194	5.409	5.145	5.227	5.273	5.244	5.469	5.199	5.286	5.422	5.107	5.255	5.251	5.143	5.176	5.208
1444104	at	NA	BB207814	NA	NA	4.382	3.980	4.327	4.186	4.216	4.432	4.139	4.209	4.055	4.185	4.359	3.978	4.225	4.057	4.312	4.236	4.228	4.300	4.350	4.565	4.260	4.171	4.289	4.309
1444105	at	Acta2	AW214292	Mm.213025	19	5.391	5.873	5.123	5.124	5.548	5.736	5.770	5.334	5.589	5.427	5.292	5.309	6.041	3.556	5.249	5.036	5.731	5.887	5.506	5.169	5.242	5.521	5.775	
1444106	at	D330012F22Rik	BB522739	Mm.187733	7	6.915	7.097	6.579	6.606	6.928	6.609	6.683	6.156	7.013	7.151	6.798	7.053	7.073	7.098	7.036	6.786	7.109	7.213	7.097	7.195	7.001	7.003	6.823	6.904
1444107	at	94300919Rik	BB091357	Mm.31256	12	9.014	9.107	8.972	9.106	8.955	9.001	8.928	9.077	8.907	8.959	9.119	9.050	9.151	8.878	9.005	8.943	9.083	9.002	9.068	8.953	9.109	9.319	9.127	8.823
1444108	at	Prdm2	BB04125	Mm.317801	4	8.980	8.557	8.305	8.290	8.355	8.933	8.930	8.930	8.122	8.274	8.495	8.940	8.900	9.099	8.936	8.934	8.956	9.064	8.974	8.788	8.734	8.933	8.966	9.012
1444109	at	C130009A20Rik	BB526251	Mm.406713	12	7.699	7.558	7.847	7.829	7.738	7.977	7.778	7.507	7.450	7.456	7.749	7.665	7.860	7.596	7.491	7.908	7.604	7.683	8.021	7.963	7.682	7.735	7.923	7.892
1444110	at	NA	BF017989	NA	NA	6.170	6.130	6.449	6.137	6.381	6.211	6.001	6.240	5.991	6.084	6.061	6.095	6.239	5.928	5.963	6.095	6.330	6.181	6.249	5.855	6.161	6.138	6.622	6.098
1444111	at	NA	AW067380	NA	NA	6.388	6.342	6.248	6.101	6.326	6.324	6.122	6.725	6.407	6.424	6.452	6.257	6.647	6.518	6.280	6.414	6.224	6.542	6.193	6.499	6.465	6.240	6.149	6.164
1444112	at	NA	BO174086	NA	NA	9.670	9.937	9.691	9.789	9.799	9.842	9.917	10.070	9.680	9.566	9.579	9.911	9.660	9.376	9.581	9.723	10.571	10.440	10.119	9.984	10.348	10.401	9.935	9.665
1444113	at	NA	BB355329	NA	NA	7.750	7.381	8.044	7.977	7.714	8.008	8.146	7.539	7.368	7.488	7.485	8.016	7.748	7.716	7.698	8.085	7.735	8.047	8.075	7.837	7.707	7.571	7.695	7.716
1444114	at	NA	BB473497	NA	NA	6.627	6.307	6.633	6.658	6.680	6.668	6.594	6.651	6.650	6.527	6.478	6.442	6.680	6.626	6.679	6.581	6.654	6.742	6.686	6.407	6.567			

1444163	at	Nek5	BB049667	Mm.113940	8	5.342	5.284	5.422	5.205	5.222	5.496	5.383	5.219	5.257	5.225	5.346	5.233	5.259	5.315	5.387	5.396	5.361	5.373	5.438	5.315	5.331	5.258	5.313	5.418
1444164	at	NA	BG068268	NA	NA	7.713	7.313	7.704	7.729	7.739	7.612	7.634	7.597	7.155	7.566	7.293	7.501	7.428	7.450	7.577	7.705	7.542	7.552	7.720	7.748	7.733	8.037	7.721	7.681
1444165	at	Lavn	BB530994	Mm.335152	9	7.332	7.630	7.426	7.448	7.372	7.432	7.393	7.342	7.499	7.593	7.499	7.458	7.430	7.597	7.389	7.385	7.702	7.213	7.450	7.392	7.470	7.332	7.450	7.371
1444166	at	Thrsd	BB667721	Mm.28585	7	7.966	7.816	8.130	8.140	8.079	7.997	8.030	8.032	8.077	8.076	8.090	8.042	7.993	8.043	8.034	8.194	8.069	8.074	8.166	8.232	8.158	8.059	8.178	8.082
1444167	at	NA	BE457768	NA	NA	6.821	6.483	6.704	6.875	6.752	6.804	6.819	6.734	6.814	6.742	6.881	6.614	6.802	6.857	6.705	6.705	6.857	6.734	6.817	7.023	6.803	6.823	6.904	6.857
1444168	at	Xpr1	BB383225	Mm.266215	1	7.320	7.232	7.460	7.336	7.399	7.269	7.379	7.429	7.332	7.288	7.482	7.348	7.427	7.482	7.346	7.427	7.436	7.271	7.427	7.304	7.402	7.378	7.111	7.197
1444169	at	3110052M02Rik	BB283427	Mm.296733	17	4.467	4.638	4.827	4.724	4.550	4.788	4.606	4.648	4.740	4.711	4.719	4.820	4.687	4.651	4.515	4.696	4.966	4.858	4.646	4.851	4.849	4.486	4.478	4.604
1444170	at	6030446N20Rik	BB007236	Mm.271567	18	6.705	6.526	6.335	6.587	6.538	6.265	6.306	6.628	6.315	6.257	6.439	6.469	6.485	6.323	6.426	6.315	6.554	6.251	6.603	6.493	6.761	6.240	6.557	6.462
1444171	at	NA	BB732233	NA	NA	5.742	5.988	5.688	6.057	6.089	5.963	5.681	6.072	6.462	6.100	5.589	6.141	6.111	6.122	6.369	5.707	6.418	6.054	6.202	6.132	6.104	6.624	6.181	5.821
1444172	at	NA	BG074164	NA	NA	5.814	5.439	5.695	5.606	5.554	5.899	5.759	5.599	5.703	5.469	5.528	5.440	5.850	5.598	5.877	5.658	5.629	5.559	5.483	5.915	5.826	5.662	5.897	5.450
1444173	at	NA	BB798145	NA	NA	7.515	7.146	7.314	7.517	7.365	7.382	7.455	7.388	7.359	7.281	7.373	7.383	7.578	7.291	7.407	7.641	7.460	7.352	7.508	7.498	7.511	7.330	7.555	7.501
1444174	at	ENSMUSG000000	BB081424	Mm.100582	9	4.949	4.733	4.751	5.073	4.811	4.547	4.851	4.820	5.047	4.898	5.013	4.995	4.983	4.922	4.880	4.828	4.671	4.599	4.684	4.599	4.696	4.540	4.650	4.844
1444175	at	NA	BM203048	NA	NA	4.346	4.071	4.400	4.401	4.440	4.215	4.416	4.346	4.425	4.512	4.416	4.611	4.426	4.433	4.554	4.483	4.627	4.599	4.319	4.415	4.447	4.728	4.503	4.449
1444176	at	Atp6v0d2	AV204216	Mm.129298	4	5.107	5.011	5.202	5.227	5.195	5.113	5.257	5.004	5.392	5.170	5.234	5.029	5.017	5.468	5.102	5.236	5.087	4.955	5.104	5.405	5.105	5.112	5.197	5.117
1444177	at	EG626058	AI451358	Mm.31556	1	5.287	6.127	5.129	5.542	5.440	5.338	5.259	5.135	6.507	6.015	4.933	5.575	5.360	5.530	5.355	5.124	5.385	5.119	4.988	5.131	5.173	5.369	5.317	4.990
1444178	at	ENSMUSG000000	BB609792	Mm.103412	19	7.699	7.609	7.606	7.710	7.737	7.690	7.839	7.715	7.656	7.488	7.208	7.679	7.485	7.638	7.341	7.638	8.026	7.823	7.824	7.729	7.805	7.864	7.644	7.443
1444179	at	A530023014Rik	BB220313	Mm.475968	7	6.685	6.455	6.257	6.467	6.573	6.180	6.434	6.442	6.503	6.278	6.392	6.570	6.449	6.499	6.280	6.387	6.422	6.257	6.544	6.558	6.612	6.522	6.569	6.710
1444180	at	NA	BB458137	NA	NA	8.385	8.223	8.350	8.416	8.410	8.433	8.363	8.342	8.212	8.128	8.449	8.066	8.380	8.187	8.257	8.300	8.253	8.289	8.420	8.410	8.462	8.340	8.528	8.352
1444181	at	Gmap5	BB500131	Mm.455917	6	7.600	7.407	7.265	7.100	7.378	7.084	7.370	7.339	7.108	7.262	7.412	7.575	7.272	7.135	7.162	7.195	7.511	7.677	7.364	7.293	7.342	7.548	7.619	7.518
1444182	at	2210010C17Rik	AV376910	Mm.98583	7	7.753	7.515	8.300	8.004	8.144	7.219	7.249	7.500	7.675	7.828	7.939	7.407	7.963	7.129	7.660	8.150	7.139	7.173	7.584	7.278	7.424	7.478	7.634	7.298
1444183	at	C030013C21Rik	AV253635	Mm.437510	11	7.565	7.359	7.216	7.314	7.357	7.381	7.183	7.381	7.590	7.265	7.425	7.649	7.596	7.403	7.336	7.392	7.494	7.538	7.184	7.303	7.329	7.382	7.399	7.358
1444184	at	Alkbh3	AI042789	Mm.272498	2	8.699	8.830	8.911	8.923	8.880	8.967	8.814	8.715	8.853	8.844	8.588	8.741	8.768	8.691	8.713	8.887	9.179	9.090	8.814	8.866	8.851	8.901	8.806	8.698
1444185	at	NA	BM222148	NA	NA	7.480	6.854	7.408	7.174	7.214	7.271	7.381	7.266	7.237	7.149	7.200	7.191	7.207	7.408	7.368	7.392	7.068	7.010	7.163	7.258	7.258	6.987	7.306	7.211
1444186	at	Aqx12i2	BB519728	Mm.471713	11	6.074	6.289	6.168	6.171	6.103	6.239	6.106	6.029	5.993	6.143	6.141	6.054	6.003	6.073	6.033	6.308	6.120	5.942	6.146	6.023	5.911	5.969	6.165	6.254
1444187	at	EG667335	BG067710	NA	6	4.580	4.259	4.328	4.408	4.204	4.282	4.446	4.493	4.267	4.129	4.357	3.977	4.116	4.302	4.187	4.298	4.345	4.217	4.291	4.279	4.392	4.351	4.220	4.301
1444188	at	NA	AI551516	NA	NA	6.672	6.753	6.649	6.835	6.679	6.794	6.767	6.778	6.829	7.026	6.797	6.867	7.392	6.884	6.937	6.665	6.869	6.700	6.759	6.780	6.557	6.921	6.866	6.734
1444189	at	NA	BB458137	NA	NA	7.174	6.959	6.809	6.825	7.127	7.247	7.195	7.235	7.262	7.096	7.086	7.086	7.222	7.238	7.238	7.238	7.238	7.238	7.238	7.238	7.238	7.238	7.238	7.238
1444190	at	NA	BM939316	NA	NA	6.744	6.589	6.380	6.405	6.581	6.650	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581	6.581
1444191	at	NA	BB210461	NA	NA	7.867	7.578	7.913	7.899	7.836	7.831	7.961	7.766	7.724	7.793	7.891	7.708	7.769	7.628	7.795	8.060	7.860	7.959	7.857	8.111	7.875	7.640	7.934	7.945
1444192	at	NA	BB460651	NA	NA	6.325	6.169	6.352	6.170	6.387	6.241	6.342	6.654	6.480	6.292	6.664	6.463	6.735	6.572	6.392	6.193	6.479	6.276	6.151	6.622	6.336	6.548	6.238	5.819
1444193	at	Adhfe1	BB177678	Mm.28514	1	6.816	6.638	6.859	6.805	6.650	6.794	6.847	6.775	6.666	6.655	6.822	6.627	6.792	6.717	6.608	6.872	6.815	6.811	6.790	7.151	6.924	6.937	6.965	6.769
1444194	at	NA	BB009092	NA	NA	6.652	6.905	6.777	6.793	6.608	7.041	6.798	6.708	6.764	6.755	6.312	6.576	7.071	6.872	6.851	6.750	6.792	6.747	6.673	6.671	6.776	6.997	7.038	6.923
1444195	at	NA	BB386165	NA	NA	6.204	6.154	6.057	6.147	6.282	6.250	5.976	6.254	6.317	6.403	6.078	6.281	6.406	6.210	6.303	6.006	6.416	6.336	6.154	6.310	6.246	6.765	6.064	5.969
1444196	at	AI662501	MM.440945	11	6.255	6.090	6.185	6.177	5.998	6.201	6.014	5.912	6.157	6.197	6.306	6.122	6.064	6.055	6.296	6.315	6.338	6.089	6.530	6.267	6.208	6.171	6.417	6.246	6.246
1444197	at	Rim1	BB139056	Mm.74632	7	5.754	5.975	6.769	6.642	5.495	5.882	5.920	6.052	6.075	5.958	5.934	5.949	5.903	5.570	6.053	5.845	6.053	5.845	6.053	5.845	6.053	5.845	6.053	5.845
1444198	at	NA	BM117570	NA	NA	6.266	6.183	6.622	6.412	6.117	6.189	6.281	6.284	6.204	6.046	6.131	6.114	6.305	6.232	6.160	6.486	6.078	6.183	6.053	6.433	6.094	6.117	7.070	6.089
1444199	at	NA	AW046689	NA	NA	7.057	7.151	6.839	7.106	7.162	6.959	6.644	7.126	7.101	7.089	7.128	6.888	7.130	7.157	7.256	7.089	7.621	7.315	7.215	7.224	7.250	7.470	7.147	6.930
1444200	at	D19Erd386e	AI508702	Mm.254169	19	8.077	7.877	8.113	8.319	7.997	7.840	8.086	8.005	8.111	8.040	8.268	7.917	7.997	8.058	8.034	8.041	7.959	7.933	7.954	8.011	8.213	8.113	8.303	8.175
1444201	at	Cep135	AV299234	Mm.332452	5	6.122	6.421	6.022	6.152	6.165	6.086	6.223	6.664	6.301	6.305	6.363	6.229	6.117	6.267	6.055	6.006	6.687	6.194	6.119	6.348	6.212	6.108	5.998	6.271
1444202	at	Zfp703	BI965268	Mm.212469	8	7.070	6.696	6.920	7.177	6.945	6.998	7.089	7.138	6.927	6.859	7.153	6.908	6.927	7.040	7.089	6.982	7.071	6.972	6.995	7.100	7.113	6.961	7.243	7.141
1444203	at	NA	AI661342	NA	NA	5.001	5.080	5.212	4.945	4.793	4.972	5.848	5.085	5.024	5.135	5.135	5.005	4.901	4.960	4.990	5.055	5.031	4.854	4.532	4.656	5.110	5.347	5.161	4.924
1444204	at	Hoxb2	BM580765	Mm.281153	11	7.																							

1444252	at	OTTMUSG000000	BF466370	Mm.126401	7	4.213	4.098	3.862	4.162	4.185	4.030	3.967	3.975	4.127	3.945	4.113	4.018	4.061	4.037	4.012	3.925	4.198	3.976	4.254	4.317	4.077	4.123	4.217	4.196	
1444253	at	Adamt18	BM117857	Mm.167471	8	4.112	4.288	4.487	4.336	4.131	4.248	4.364	4.301	4.443	4.122	4.372	4.070	4.335	4.256	4.259	4.312	4.271	4.474	4.233	4.297	4.401	4.253	4.399	4.353	
1444254	at	Tns4	BB200147	Mm.262067	11	6.113	5.904	6.093	6.094	6.081	6.181	6.112	6.154	6.132	5.727	6.158	6.017	6.091	6.165	5.922	6.307	6.128	6.013	6.160	6.242	6.245	6.081	6.047	6.127	
1444255	at	Svool	BB087539	Mm.197449	6	8.249	7.817	8.021	7.908	8.001	7.883	7.903	8.084	7.961	7.677	7.995	7.841	8.024	7.978	7.980	7.906	8.073	7.894	7.979	8.061	7.928	7.961	7.982	7.953	
1444256	at	Rae1	BB184425	Mm.4113	2	5.250	5.248	4.935	4.941	5.087	4.792	4.810	4.947	4.902	4.949	5.117	5.008	4.866	4.896	4.961	4.775	5.012	4.756	4.961	4.954	4.954	5.208	4.924		
1444257	at	Pr111	BB208466	Mm.132381	11	6.084	6.110	5.872	5.864	5.660	5.858	5.912	6.229	6.065	5.810	6.056	5.878	5.713	5.234	5.907	5.819	5.715	5.717	5.717	5.042	5.535	5.731	5.869	5.870	
1444258	at	NA	AI481392	NA	NA	9.247	9.148	9.142	8.932	9.136	9.211	9.130	8.773	8.946	9.204	9.272	9.089	9.085	9.027	9.293	9.152	8.716	8.914	8.984	9.063	8.740	8.598	8.075	8.857	
1444259	at	AW495222	AW495222	Mm.443795	13	7.616	6.916	7.541	7.326	7.279	7.606	7.492	7.474	7.121	6.923	7.407	7.347	7.242	7.163	7.450	7.654	7.449	7.541	7.509	7.707	7.445	7.309	7.516	7.777	
1444260	at	NA	BF661746	NA	NA	3.989	3.722	4.205	4.211	4.033	4.358	3.999	3.926	3.973	4.033	4.131	4.149	4.163	4.196	4.053	4.276	3.899	4.169	4.017	4.212	4.199	3.799	3.948	3.938	
1444261	at	NA	BB244079	NA	NA	4.819	4.297	4.796	4.465	4.568	4.709	4.654	4.655	4.482	4.455	4.654	4.689	4.507	4.621	4.725	4.572	4.651	4.582	4.688	4.665	4.584	4.690	4.446	4.689	
1444262	at	111007179Rik	AI506151	Mm.441893	11	5.491	5.274	5.325	5.405	5.279	5.139	5.355	5.338	5.320	5.305	5.685	5.385	5.418	5.305	5.418	5.237	5.306	5.416	5.333	5.198	5.286	5.133	5.426	5.311	
1444263	at	NA	BI076835	NA	NA	4.356	4.187	4.435	4.358	4.441	4.456	4.578	4.146	4.350	4.208	4.298	4.165	4.319	4.273	4.346	4.375	4.336	4.424	4.372	4.310	4.423	4.441	4.304	4.346	
1444264	at	NA	BE690573	NA	NA	6.878	6.169	6.517	6.712	6.407	6.377	6.529	6.685	6.260	6.380	6.564	6.267	6.337	6.632	6.549	6.477	6.410	6.506	6.540	6.585	6.619	6.435	6.710	6.656	
1444265	at	NA	BI713980	NA	NA	7.652	7.377	7.678	7.617	7.664	7.589	7.599	7.789	7.758	7.684	7.708	7.825	7.866	7.860	7.873	7.496	7.944	7.586	7.706	8.086	7.890	8.015	7.774	7.733	
1444266	at	NA	AI851612	NA	NA	8.010	7.550	8.177	7.819	7.985	7.983	8.065	7.634	7.356	7.275	7.502	7.261	7.514	7.399	7.522	8.300	8.173	8.306	8.096	8.063	7.883	7.950	8.003	7.722	
1444267	at	NA	BE634837	NA	NA	5.113	4.994	5.270	5.159	5.182	5.104	5.298	5.048	5.252	5.086	5.239	4.876	5.004	5.177	5.214	5.434	5.319	5.356	5.167	5.370	5.261	5.094	5.210	5.352	
1444268	at	BC004004	BB362791	Mm.290116	17	7.551	7.466	7.612	7.808	7.446	7.831	7.635	8.011	7.639	7.968	7.532	7.881	7.814	7.796	7.662	7.456	8.445	7.888	7.857	7.635	7.737	8.267	7.682	7.998	
1444269	at	NA	BM120561	NA	NA	7.058	7.130	6.866	6.899	6.960	7.085	6.807	6.988	7.338	7.062	6.781	7.464	7.597	6.992	6.652	6.978	6.767	6.585	6.624	6.928	6.720	6.646	6.568	6.905	
1444270	at	Rshu	BB312129	Mm.131949	10	4.771	4.499	4.758	4.700	4.607	4.776	4.807	4.488	4.640	4.635	4.504	4.560	4.624	4.485	4.663	4.689	4.518	4.743	4.614	4.804	4.590	4.601	4.523	4.751	
1444271	at	Anap31	BB530692	Mm.277408	2	5.359	5.405	5.447	5.246	5.333	5.566	5.395	5.303	5.610	5.785	5.445	5.503	5.587	5.661	5.707	5.509	5.355	5.454	5.447	5.527	5.611	5.661	5.586	5.450	
1444272	at	NA	BB207089	Mm.105309	3	6.714	6.592	6.613	6.628	6.674	6.604	6.706	7.290	6.524	6.422	6.953	7.010	6.434	6.540	6.687	6.594	6.942	6.883	6.636	6.880	7.039	7.052	6.698	6.646	
1444273	at	AW555355	AW555355	Mm.441553	2	7.808	7.788	7.637	7.718	7.922	7.843	7.667	7.676	7.933	7.868	7.840	7.782	7.672	7.832	7.614	7.632	7.501	7.567	7.633	7.488	7.464	7.730	7.702	7.847	
1444274	at	NA	BG065745	NA	NA	4.628	4.417	4.563	4.584	4.605	4.789	4.525	4.502	4.524	4.391	4.567	4.561	4.669	4.653	4.828	4.515	4.613	4.473	4.455	4.677	4.667	4.559	4.484	4.708	
1444275	at	NA	BB025668	NA	NA	4.618	4.674	4.581	4.613	4.790	4.595	4.540	4.590	4.779	4.608	4.451	4.554	4.762	4.558	4.532	4.313	4.633	4.447	4.714	4.638	4.770	4.755	4.492	4.556	
1444276	at	lct1	BB762293	Mm.271062	11	7.078	6.813	7.058	7.066	7.031	7.074	7.054	7.085	6.875	7.008	6.988	6.997	6.811	6.914	6.881	7.035	7.038	6.883	7.094	6.962	6.991	6.887	7.037	7.199	7.104
1444277	at	NA	BB667588	NA	NA	6.261	5.888	6.237	6.103	6.378	6.187	6.268	6.202	6.206	6.240	6.168	5.949	6.376	6.091	6.128	6.174	6.117	6.143	6.234	6.236	6.359	6.171	6.436	6.265	
1444278	at	C130012C08Rik	BB224163	NA	14	7.602	7.562	7.615	7.670	7.460	7.517	7.684	7.598	7.580	7.558	7.580	7.558	7.476	7.686	7.589	7.617	7.619	7.617	7.617	7.617	7.617	7.617	7.617	7.617	
1444279	at	Huwe1	BB531571	Mm.27372	X	6.261	5.888	6.237	6.103	6.378	6.187	6.268	6.202	6.206	6.240	6.168	5.949	6.376	6.091	6.128	6.174	6.117	6.143	6.234	6.236	6.359	6.171	6.436	6.265	
1444280	at	Tmem215	BF464243	Mm.156365	4	6.554	6.618	6.857	6.510	6.723	6.501	6.599	6.605	6.576	6.479	6.688	6.431	6.556	6.415	6.455	6.640	6.377	6.437	6.642	6.579	6.402	6.417	6.566	6.543	
1444281	at	NA	BB519823	NA	NA	8.679	8.103	7.934	7.931	7.663	8.148	8.358	8.786	7.794	7.675	8.001	7.796	7.852	7.692	7.899	8.108	7.793	7.818	7.714	7.602	7.799	7.799	7.889	7.889	
1444282	at	Samd10	BF461301	Mm.205422	2	5.731	5.409	5.869	5.660	5.644	5.617	5.711	5.722	5.752	5.574	5.750	5.589	5.616	5.508	5.711	5.863	5.708	5.804	5.568	5.924	5.688	5.705	5.785	5.879	
1444283	at	Gimap7	BB223831	Mm.30479	6	6.394	6.216	6.209	6.251	6.135	6.143	6.451	6.243	6.178	6.082	6.348	6.110	6.281	6.150	6.060	6.364	6.216	6.296	6.260	6.451	6.369	6.034	6.334	6.407	
1444284	at	NA	BB614900	NA	NA	6.453	5.991	6.380	6.205	6.041	6.428	6.233	6.116	6.000	6.012	6.209	6.106	5.873	5.954	6.214	6.284	5.949	6.585	6.421	6.409	6.333	6.080	6.201	6.404	
1444285	at	NA	BG070957	NA	NA	6.405	6.381	6.449	6.408	6.552	6.460	6.433	6.345	6.690	6.373	6.853	6.238	6.435	6.600	6.568	6.323	6.236	6.264	6.274	6.270	6.237	6.194	6.253	6.351	
1444286	at	NA	BB636868	NA	NA	7.469	7.465	7.455	7.459	7.395	7.415	7.399	7.373	7.040	7.243	7.609	7.375	7.429	7.687	7.565	7.355	7.491	7.565	7.355	7.491	7.565	7.355	7.491	7.565	
1444287	at	AI853106	AI853106	Mm.441839	6	6.126	6.074	6.118	6.288	6.166	5.986	5.957	6.047	6.406	5.996	6.077	6.118	6.299	5.999	5.997	6.043	6.136	6.147	6.076	6.389	6.153	6.290	6.161	6.097	
1444288	at	Pnpt1	BB501129	Mm.211131	11	5.498	5.412	5.243	5.206	5.135	5.116	5.304	5.404	5.197	5.245	5.127	5.290	5.186	5.157	5.303	5.120	5.367	5.264	5.400	5.407	5.401	5.674	5.256	5.372	
1444289	at	Yipf5	BB810787	Mm.270382	18	6.395	7.196	6.531	6.434	6.625	6.653	6.607	6.424	6.861	6.809	6.420	6.604	6.528	6.684	6.710	6.550	6.326	6.437	6.574	6.400	6.163	6.128	6.500	6.541	
1444290	at	Steap2	AV369536	Mm.274956	5	5.582	5.305	5.236	5.232	5.540	5.098	5.357	5.260	5.526	5.458	5.507	5.164	5.458	5.508	5.486	5.308	5.456	5.253	5.570	5.688	5.497	5.240	5.655	5.487	
1444291	at	Lysmd4	BB184872	Mm.121691	7	5.546	5.620	5.517	5.511	5.563	5.923	5.564	5.568	5.542	5.514	5.714	5.473	5.449	5.480	5.647	5.589	5.617	5.558	5.555	5.564	5.490	5.595	5.571	5.538	
1444292	at	D7Ert4143e	C76958	Mm.441426	7	6.910	6.606	6.768	6.962	6.764	6.747	6.978	7.157	6.863	6.727	6.992	6.604	6.830	6.908	6.687	6.917	6.717	6.693	6.738	6.861	6.925	7.038	6.698	6.564	
1444293	at	NA	BB0205471	Mm.21843	5	6.136	6.203	6																						

1444341	at	8030451F13Rik	AV171553	Mm.147208	10	6.947	6.555	7.113	6.818	6.735	6.821	6.918	6.782	6.571	6.636	6.731	6.678	6.781	6.818	6.888	6.947	6.811	6.994	6.923	7.076	6.838	6.745	6.930	7.074	
1444342	at	Nup155	BB162912	Mm.295168	15	5.421	5.829	5.561	5.584	5.697	5.575	5.635	5.732	5.815	5.648	5.704	5.744	5.699	5.891	5.620	5.535	5.678	5.636	5.540	5.521	5.642	5.686	5.517	5.428	
1444343	at	A130064L14Rik	BB475564	NA	3	6.860	7.291	7.144	7.094	7.420	7.038	7.057	7.060	7.534	7.640	7.384	7.394	7.462	7.481	7.380	7.146	7.103	6.992	6.912	6.950	7.388	7.590	7.337	6.929	
1444344	at	NA	BG066684	NA	NA	7.405	6.876	7.420	7.225	7.162	7.703	7.462	7.354	7.094	7.315	7.497	7.019	7.113	7.295	7.421	7.449	7.331	7.565	7.634	7.667	7.219	7.222	7.498	7.581	
1444345	at	NA	AW123227	NA	NA	7.183	6.714	7.181	7.269	7.094	7.266	7.382	7.139	6.530	6.538	7.064	6.825	6.514	7.081	7.074	7.145	7.318	7.211	7.074	7.264	7.087	7.130	7.043	6.911	
1444346	at	Sh3bp5	BS333826	Mm.383198	14	6.491	6.094	6.092	6.343	6.015	5.944	6.041	6.230	6.308	6.070	6.511	6.464	6.102	6.180	6.177	6.247	6.385	6.263	6.025	6.124	6.169	6.142	6.234	6.122	
1444347	at	Mgat4a	BG070161	Mm.25861	1	7.611	7.229	7.388	7.352	7.262	7.566	7.450	7.258	7.273	7.204	7.487	7.031	7.309	7.332	7.309	7.299	7.260	7.320	7.403	7.502	7.388	7.048	7.367	7.233	
1444348	at	NA	AI666693	NA	NA	7.773	7.423	7.470	7.546	7.564	7.402	7.595	7.568	7.566	7.352	7.545	7.337	7.688	7.463	7.570	7.661	7.657	7.593	7.659	7.629	7.522	7.474	7.665	7.678	
1444349	at	NA	BG071091	NA	NA	6.958	6.766	6.896	7.000	6.973	7.123	6.771	6.848	6.580	7.129	6.530	7.038	6.680	6.454	6.921	6.778	7.137	7.228	7.035	6.712	7.152	7.576	7.176	7.025	
1444350	at	SIfn10	BB227643	Mm.314645	11	3.893	4.123	3.777	3.981	3.862	3.945	3.829	4.130	4.151	4.139	3.932	4.106	4.046	3.992	3.878	3.901	4.014	3.887	4.078	3.917	3.899	3.984	3.977	3.933	
1444351	at	NA	BB201535	NA	NA	4.637	4.541	4.454	4.680	4.442	4.563	4.606	4.524	4.436	4.384	4.544	4.444	4.537	4.529	4.413	4.526	4.403	4.500	4.523	4.480	4.481	4.553	4.619	4.578	
1444352	at	Zfp287	BB312242	Mm.339982	11	5.462	5.147	5.255	5.492	5.370	5.404	5.484	5.311	5.367	5.301	5.344	5.058	5.202	5.148	5.385	5.516	5.375	5.517	5.379	5.521	5.245	5.127	5.500	5.383	
1444353	at	CO30040A22Rik	BB359573	Mm.447543	7	6.942	6.768	6.953	6.980	6.828	6.848	6.779	6.732	6.872	7.005	6.722	6.720	6.908	6.844	7.077	6.911	6.856	6.855	6.913	6.801	6.897	6.627	6.833	6.760	
1444354	at	NA	BM237994	NA	NA	6.970	6.651	6.749	6.756	6.785	6.728	6.755	6.972	6.835	6.561	6.775	6.591	6.682	6.731	6.599	6.720	6.774	6.994	6.872	6.807	6.771	6.767	6.967	6.812	
1444355	at	Atd9a1	AW125445	Mm.153230	5	6.627	6.447	6.678	6.402	6.354	6.742	7.004	6.639	6.379	6.479	6.465	6.398	6.373	6.516	6.544	6.975	6.709	6.298	6.575	6.727	6.912	6.586	6.412	6.871	
1444356	at	NA	BE992440	NA	NA	5.956	5.507	5.790	5.701	5.495	5.614	5.844	5.864	5.676	5.579	5.517	5.779	5.529	5.834	5.522	5.677	5.570	5.478	5.617	5.773	5.472	5.514	5.761	5.550	
1444357	at	Akap6	BE982944	Mm.310822	12	6.835	6.868	6.779	6.900	7.077	6.814	6.880	6.865	6.537	6.528	6.607	6.761	6.576	6.588	6.807	7.094	6.785	6.644	6.825	6.838	6.766	6.768	6.785	7.064	
1444358	at	Fbxl11	BB318809	Mm.31941	19	4.930	4.743	4.835	4.797	4.484	4.750	4.798	4.807	4.760	4.795	4.499	4.849	4.905	4.911	4.832	4.778	4.826	4.594	4.635	5.084	4.723	4.839	4.995	4.721	
1444359	at	NA	BB354954	NA	NA	6.331	6.265	6.314	6.283	6.252	6.251	6.325	6.370	6.473	6.363	6.418	6.046	6.591	6.353	6.434	6.392	6.418	6.588	6.283	6.787	6.666	6.500	6.492	6.510	
1444360	at	NA	BG066329	NA	NA	6.069	5.874	5.906	6.095	5.980	5.944	5.959	5.997	5.833	5.773	5.936	5.768	5.977	5.950	5.921	5.975	5.973	5.967	6.084	6.125	6.232	5.838	5.955	5.831	
1444361	at	Ap1s2	BM238675	Mm.426783	X	6.559	6.548	6.515	6.428	7.021	6.826	6.678	7.009	6.884	6.863	6.528	6.777	6.911	7.075	6.774	6.554	6.542	6.538	6.497	6.466	6.512	6.739	6.644	6.600	
1444362	at	Neurod2	BE984423	Mm.4814	11	4.817	4.659	4.647	4.854	4.962	4.883	4.761	4.831	4.995	4.629	4.994	4.834	4.968	4.843	4.832	4.826	4.920	4.791	4.829	5.090	4.951	4.817	4.788	4.921	
1444363	at	NA	BB269445	NA	NA	5.648	5.865	5.656	5.707	5.454	5.378	5.907	5.590	5.500	5.416	5.586	5.453	5.466	5.309	5.636	5.396	5.756	5.731	5.498	5.827	5.533	5.748			
1444364	at	Rcor3	BB127325	Mm.207457	1	6.505	6.425	5.934	6.206	6.384	6.217	5.902	6.697	6.378	6.429	6.008	6.571	6.541	6.346	6.785	6.076	6.735	6.529	6.657	6.518	6.290	6.478	6.691	6.507	
1444365	at	NA	BE956723	NA	NA	7.248	7.077	7.272	7.446	7.324	7.063	7.212	7.372	7.086	6.871	7.008	7.218	7.073	7.366	7.071	7.252	7.222	7.238	7.260	7.204	7.248	7.148	7.229	7.098	
1444366	at	NA	BE981006	NA	NA	8.524	8.143	8.450	8.441	8.299	8.170	8.382	8.164	8.189	8.127	8.338	8.246	8.113	8.371	8.265	8.418	8.179	8.218	8.198	8.415	8.345	8.259	8.385	8.309	
1444367	at	Fndc7	BG104039	Mm.244233	3	6.165	5.945	5.926	5.916	5.926	5.909	5.940	5.959	5.935	5.983	5.936	5.958	5.985	5.950	5.969	5.969	6.000	5.981	6.000	5.981	6.000	5.981	6.000	5.981	
1444368	at	Chrna3	BE956442	Mm.33569	9	8.440	8.376	8.506	8.228	8.566	8.508	8.302	8.551	8.222	8.212	8.338	8.402	8.371	8.337	8.426	8.404	8.387	8.412	8.611	8.597	8.412	8.611	8.597	8.412	
1444369	at	NA	BB153779	NA	NA	5.661	5.085	5.348	5.299	5.358	5.355	5.280	5.275	5.432	5.208	5.403	5.209	5.418	5.333	5.421	5.333	5.231	5.303	5.249	5.249	5.243	5.168	5.452	5.408	
1444370	at	C77058	BG065830	NA	11	6.053	5.461	5.944	5.878	5.606	5.817	6.072	5.756	5.666	5.568	5.819	5.836	5.643	5.740	5.924	5.975	5.791	5.809	5.926	6.146	5.841	5.755	5.764	5.974	
1444371	at	A630007B06Rik	BB269443	Mm.131555	19	5.566	5.688	5.703	5.934	6.172	6.012	5.798	5.953	6.037	6.105	5.734	5.901	5.812	5.549	6.120	5.687	5.933	6.095	5.627	6.178	5.683	5.806	5.867	5.841	
1444372	at	NA	AV380904	NA	NA	7.143	6.831	6.923	6.918	6.632	6.840	6.789	6.848	6.835	6.879	6.547	6.899	6.637	6.565	6.710	6.856	6.521	6.749	6.606	6.714	6.415	6.696	6.676	6.353	
1444373	at	Tiam1	BB271992	Mm.310902	16	4.775	4.664	4.598	4.605	4.459	4.697	4.607	4.428	4.726	4.442	4.662	4.660	4.615	4.579	4.612	4.746	4.532	4.563	4.450	4.612	4.726	4.545	4.460	4.708	
1444374	at	NA	AW457248	NA	NA	6.602	6.478	6.452	6.537	6.394	6.415	6.531	6.557	6.503	6.353	6.673	6.332	6.477	6.591	6.458	6.380	6.510	6.345	6.496	6.466	6.463	6.473	6.733	6.578	
1444375	at	NA	BB143672	NA	NA	5.935	5.887	5.818	5.493	5.644	5.559	5.526	5.683	5.526	5.545	5.955	5.498	5.597	5.595	5.603	5.520	5.544	5.650	5.596	5.572	5.596	5.586	5.586	5.586	
1444376	at	NA	BM237933	NA	NA	6.928	5.838	6.747	6.760	6.380	6.820	6.518	6.731	5.487	5.786	5.557	5.666	5.900	5.849	5.882	6.874	6.131	6.181	6.047	6.241	5.968	6.734	6.288	7.149	
1444377	at	NA	BM201103	NA	NA	7.190	7.247	7.417	7.147	7.188	7.430	7.371	7.252	7.178	7.099	7.054	7.116	6.881	6.961	7.120	7.189	7.441	7.332	7.033	7.015	7.043	7.220	7.139	7.740	
1444378	at	NA	B0033298	NA	NA	7.765	7.676	7.630	7.676	7.600	7.472	7.600	7.648	7.521	7.449	7.724	7.434	7.570	7.578	7.565	7.642	7.516	7.465	7.451	7.481	7.517	7.557	7.730	7.591	
1444379	at	Pwpp2b	BB318408	Mm.334300	7	8.016	7.727	7.795	7.860	7.804	7.780	7.864	7.895	7.860	7.737	7.935	7.916	7.910	7.762	7.890	7.809	7.873	7.729	7.918	7.873	7.789	7.953	7.957	7.993	
1444380	at	A1844869	A1844869	Mm.441905	1	5.695	5.404	5.594	5.694	5.620	5.728	5.694	5.613	5.658	5.448	5.531	5.530	5.609	5.853	5.636	5.583	5.434	5.516	5.593	5.725	5.805	5.680	5.485	5.596	5.638
1444381	at	AB30005F24Rik	BB262224	Mm.65403	13	7.242	7.067	7.203	6.980	7.001	7.055	7.095	6.944	6.848	6.998	7.157	6.956	7.078	7.006	7.139	7.157	7.071	7.105	7.231	7.367	7.073	7.035	7.202	7.173	
1444382	at	4930579G22Rik	BB202437	Mm.211372	5	5.688	5.713	5.820	5																					

1444430	at	Rcsd1	BB481523	NA	NA	8.110	7.649	8.167	8.142	8.034	8.210	8.034	7.732	7.919	7.909	7.803	8.104	8.124	8.070	8.085	8.234	7.913	7.960	8.138	7.978	8.193	8.172	8.030	
1444431	at	Rcsd1	BB151674	Mm.265552	1	9.226	9.073	9.235	9.138	9.185	9.288	9.114	9.276	8.877	8.948	9.181	9.122	9.120	8.991	9.133	9.134	9.436	9.381	9.256	9.330	9.291	9.307	9.326	9.112
1444432	at	D330040H18Rik	BB532898	NA	16	4.103	4.317	4.142	4.037	4.401	4.331	4.271	4.164	4.300	4.241	4.245	4.308	4.232	4.547	4.411	4.394	4.048	4.230	4.239	4.224	3.966	4.209	4.328	4.110
1444433	at	NA	BM246582	NA	NA	7.464	7.276	7.444	7.586	7.754	7.496	7.412	7.549	7.402	7.385	7.425	7.380	7.504	7.474	7.469	7.642	8.106	7.670	7.623	7.775	7.799	8.182	7.773	7.876
1444434	at	Wdr33	BB23647	Mm.277705	18	6.352	5.859	7.056	6.255	6.970	6.069	6.064	6.115	6.018	5.922	6.132	5.787	6.040	6.119	5.940	6.156	5.983	6.064	6.048	6.265	5.981	6.184	6.012	6.032
1444435	at	Vsp13b	BM208224	Mm.309250	15	6.556	6.736	6.712	6.785	6.933	6.661	6.776	6.694	6.840	6.756	6.709	6.779	6.764	6.768	6.639	6.728	6.804	6.873	6.908	7.028	6.807	6.905	6.742	6.924
1444436	at	Hsf2	BB548474	Mm.261395	10	7.131	6.487	7.026	6.895	6.562	7.071	6.916	6.776	6.436	6.694	6.994	6.542	6.935	6.863	6.964	6.889	6.808	6.676	7.013	7.235	6.955	6.940	7.026	6.989
1444437	at	Usp34	BB086152	Mm.119155	11	6.866	6.376	6.380	6.229	6.342	6.186	6.302	6.680	5.799	6.453	6.293	6.260	5.988	5.798	6.362	6.328	6.517	6.391	6.182	5.896	6.353	7.162	6.257	6.576
1444438	at	Cib3	BB667454	Mm.211247	8	6.224	5.906	6.086	6.406	6.110	6.118	6.422	6.156	6.026	6.014	6.115	6.250	6.039	6.010	6.094	6.158	6.202	6.060	5.984	6.151	6.395	6.168	6.623	6.140
1444439	at	Bri3bp	BB280096	Mm.290720	5	6.824	6.713	6.779	6.949	6.798	6.674	6.801	6.879	6.706	6.623	6.767	6.641	6.542	6.646	6.770	6.674	6.768	6.921	6.998	6.871	6.735	6.686	6.818	6.780
1444440	at	OTTMUSG000000	BB532764	Mm.416986	11	7.366	7.108	7.274	7.359	7.293	7.142	7.239	7.219	7.258	7.138	7.272	7.061	7.402	7.195	7.243	7.251	7.311	7.215	7.242	7.274	7.328	7.324	7.811	7.255
1444441	at	Rapgef1	AV495099	Mm.340766	11	7.334	6.984	7.268	7.161	7.186	7.263	7.259	7.315	7.133	7.051	7.335	6.992	7.228	7.260	7.118	7.420	7.187	7.233	7.338	7.379	7.355	7.322	7.398	7.415
1444442	at	Oravp1	BB452046	Mm.389995	7	5.928	5.445	5.813	5.766	5.695	5.954	5.737	5.793	5.790	5.618	5.907	5.797	5.467	5.604	5.695	5.871	5.887	5.761	5.757	5.782	5.599	5.738	5.883	5.696
1444443	at	NA	AV228095	NA	NA	4.210	4.124	3.931	4.164	4.131	3.962	4.119	4.086	4.012	4.187	4.262	3.905	4.076	4.205	4.102	3.926	4.013	4.120	4.007	4.122	4.132	4.161	4.090	3.931
1444444	at	NA	BE981420	NA	NA	7.590	6.980	7.557	7.456	6.896	7.367	7.342	7.321	5.985	6.439	6.803	7.413	7.455	7.170	6.851	7.623	6.698	6.966	7.002	6.983	6.803	6.354	6.793	6.674
1444445	at	C77648	NA	NA	11	6.270	6.284	6.278	6.470	6.319	6.286	6.111	6.322	6.352	6.191	6.247	6.357	6.434	6.223	6.329	6.286	6.410	6.428	6.218	6.343	6.312	6.626	6.548	6.375
1444446	at	NA	BB537978	NA	NA	8.420	8.099	8.313	8.194	8.088	8.226	8.218	8.064	7.911	7.737	7.977	7.971	7.919	7.897	8.068	8.423	8.259	8.154	8.144	8.183	8.148	8.176	8.499	8.178
1444447	at	NA	AV277343	NA	NA	7.346	6.975	7.074	7.071	7.492	7.234	7.210	6.347	7.156	7.425	7.314	7.146	7.215	7.050	7.181	7.247	6.943	7.033	7.154	7.030	7.049	6.940	7.357	8.018
1444448	at	1300007F04Rik	BB266115	Mm.432526	11	7.320	7.025	7.207	7.131	7.017	7.151	7.215	7.121	7.016	7.005	6.997	6.799	6.970	6.924	7.001	7.016	7.031	7.066	7.060	7.061	7.054	6.927	7.114	7.101
1444449	at	NA	BB499711	NA	NA	6.841	6.492	6.866	6.795	6.813	6.930	6.914	6.574	6.597	6.579	6.513	6.860	6.823	6.804	6.710	6.892	6.869	6.948	6.744	7.101	6.891	6.865	6.930	6.691
1444450	at	9530096D07Rik	BB124025	Mm.331927	4	5.879	5.954	5.757	5.969	6.061	5.862	5.902	5.954	5.864	5.924	5.988	5.958	5.949	5.869	5.792	5.950	6.032	6.232	6.045	6.056	5.938	5.866	5.851	5.954
1444451	at	Papda2	BB101283	Mm.458621	1	5.764	6.009	5.619	5.780	5.947	6.138	5.807	5.986	6.211	6.101	6.244	5.924	6.196	6.198	6.049	6.032	5.887	5.878	5.954	6.032	5.844	5.839	5.969	5.946
1444452	at	D930002L09Rik	BB560393	Mm.138533	3	3.893	3.624	3.833	3.816	3.876	3.930	3.917	3.772	3.897	3.865	3.955	3.705	4.042	3.878	3.702	3.748	3.815	3.771	3.801	3.914	3.877	3.868	3.930	3.829
1444453	at	Trp53rk	AV226646	Mm.330796	2	4.726	4.739	4.782	4.772	4.425	4.574	4.879	4.852	4.442	4.804	4.751	4.758	4.756	4.661	4.495	4.606	4.982	4.799	4.762	4.915	4.955	4.732	4.805	4.888
1444454	at	NA	BB239332	NA	NA	5.904	6.105	6.421	6.162	6.381	6.114	6.387	6.052	6.056	6.220	5.850	6.073	6.075	6.074	6.144	6.289	5.994	6.041	5.837	6.388	5.808	6.138	6.242	5.570
1444455	at	Cacna1a	BE943756	Mm.334658	8	5.878	5.737	5.993	6.142	5.837	6.088	5.685	5.891	5.723	5.963	6.099	5.848	5.845	5.858	5.834	6.025	5.942	5.825	6.105	5.868	5.755	6.058	5.853	5.951
1444456	at	303425P06Rik	BB236059	Mm.442930	3	9346.578	7.933	7.703	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603	7.603
1444457	at	NA	AV269519	NA	NA	5.522	5.578	6.756	6.650	6.697	6.682	6.795	5.510	6.011	5.977	6.618	6.579	6.072	6.184	6.227	6.228	6.554	6.503	6.522	6.554	6.503	6.522	6.554	6.503
1444458	at	NA	AI593288	NA	NA	5.979	5.745	6.369	6.184	6.309	6.649	6.312	6.461	6.345	6.244	6.132	6.457	6.448	6.254	6.197	6.508	7.226	6.806	6.480	6.698	6.562	7.176	6.227	6.028
1444459	at	NA	BB152209	NA	NA	6.949	7.689	6.853	7.010	7.305	6.895	6.965	7.425	7.416	7.322	7.300	6.939	7.012	7.113	6.964	6.654	6.893	6.786	6.772	6.733	6.914	6.680	6.563	6.667
1444460	at	Ube2r2	BM231451	Mm.389540	4	8.322	7.769	8.203	8.264	8.241	8.264	8.291	8.000	7.967	7.959	8.073	8.273	8.260	7.994	8.273	8.194	8.374	8.476	8.414	8.545	8.232	8.225	8.310	8.260
1444461	at	Zmrvnd11	BB346871	Mm.397307	13	6.429	6.164	6.376	6.522	6.275	6.447	6.529	6.520	6.280	6.458	6.494	6.504	6.624	6.285	6.639	6.494	6.459	6.450	6.609	6.682	6.365	6.219	6.556	6.597
1444462	at	NA	BB211718	NA	NA	5.731	5.759	5.531	5.543	5.255	5.809	5.662	5.947	5.575	5.497	5.736	5.356	5.564	5.653	5.577	5.428	5.620	5.353	5.653	5.573	5.605	5.603	5.743	5.632
1444463	at	Arhaap12	BB159907	Mm.239675	18	5.550	5.781	6.626	5.508	5.778	5.574	5.684	6.639	5.715	5.424	5.435	5.671	5.819	5.623	5.654	5.620	5.624	5.571	5.578	5.657	5.855	5.773	5.699	5.493
1444464	at	NA	BB521922	NA	NA	7.486	7.102	7.327	7.456	7.359	7.938	7.973	7.551	7.408	7.390	7.523	7.019	7.132	7.082	7.219	7.357	7.225	7.322	7.357	7.365	7.355	7.355	7.355	7.355
1444465	at	Ube4b	BB160318	Mm.405832	4	7.926	7.729	7.573	7.810	7.744	7.697	7.517	7.915	8.252	8.074	7.880	7.581	7.423	7.722	7.823	7.467	7.518	7.603	7.835	7.453	7.773	7.808	7.899	7.844
1444466	at	Ncald	BB433324	Mm.283370	15	6.712	6.171	6.567	6.624	6.451	6.495	6.565	6.619	6.523	6.289	6.498	6.445	6.553	6.493	6.625	6.540	6.520	6.623	6.732	6.702	6.304	6.643	6.585	6.513
1444467	at	C77534	BB396809	NA	16	6.507	6.548	6.740	6.561	6.752	6.720	6.544	6.414	6.432	6.692	6.779	6.533	6.344	6.296	6.797	6.689	6.445	6.469	6.540	6.676	6.439	6.262	6.801	6.582
1444468	at	PaaR8	AV328983	Mm.40780	1	6.979	6.827	6.998	6.928	6.934	6.943	6.837	7.034	7.344	6.994	8.074	7.087	7.060	7.142	7.108	6.969	6.781	6.966	6.869	7.151	6.820	6.734	6.956	6.658
1444469	at	Ubr3	AV310023	Mm.314576	2	6.520	6.469	6.516	6.429	6.392	6.837	6.548	6.556	6.092	6.090	6.296	6.238	6.387	6.325	6.351	6.673	6.696	6.588	6.621	6.533	6.433	6.372	6.719	6.665
1444470	x at	NA	AW556834	NA	NA	7.379	7.429	7.309	7.378	7.384	7.339	7.525	7.318	7.394	7.445	7.336	7.533	7.599	7.253	7.231	7.326	7.395	7.388	7.499	7.392	7.528	7.414	7.426	7.384
1444471	at	32416J03Rik	BB331626	Mm.31626																									

1444519	at	Lqr5	BB363657	Mm.42103	10	6.533	6.485	6.404	6.490	6.567	6.504	6.529	6.553	6.527	6.288	6.513	6.549	6.631	6.549	6.608	6.573	6.455	6.429	6.475	6.390	6.726	6.596	6.634	6.680
1444520	at	Frvl	AW324422	Mm.475877	5	6.882	6.568	7.093	6.878	6.933	6.979	7.050	6.483	6.678	6.686	6.742	6.751	6.735	6.911	6.845	6.856	6.897	6.963	6.995	6.833	6.831	6.789	6.694	6.947
1444522	at	NA	BM219285	NA	NA	8.395	8.310	8.585	8.406	8.210	8.403	8.338	7.953	8.397	8.437	8.184	8.235	8.174	8.513	7.994	8.531	8.332	8.748	8.688	8.504	8.289	8.200	8.225	8.393
1444522	s	at	BM942961	NA	NA	6.719	6.260	6.677	6.415	6.418	6.600	6.487	6.358	6.234	6.368	6.189	6.259	6.329	6.270	6.472	6.610	6.433	6.658	6.572	6.892	6.522	6.205	6.413	6.419
1444523	s	at	UBa2v1	Mm.278783	2	11.480	12.095	11.439	11.585	11.663	11.595	11.572	11.429	11.839	11.479	11.568	11.794	11.436	11.730	11.408	11.385	11.598	11.716	11.689	11.598	11.513	11.398	11.378	11.402
1444523	at	LOC100043424	BE943672	Mm.297222	2	7.918	8.316	7.939	7.867	8.556	8.033	8.076	8.143	8.752	8.291	8.037	8.293	8.099	8.312	8.037	7.933	8.047	7.664	7.852	8.030	8.016	7.952	8.043	
1444525	at	NA	BM238996	NA	NA	8.780	7.812	8.807	8.699	8.523	8.306	8.344	8.705	8.177	8.253	8.110	8.533	8.654	8.155	8.512	8.812	8.648	8.663	8.205	8.446	8.831	9.312	8.523	8.521
1444526	at	Ssr1	BF463841	Mm.426670	13	6.185	5.641	6.008	6.040	5.863	6.004	6.121	6.311	5.549	5.863	6.030	5.763	5.935	6.010	6.121	5.816	6.398	5.952	5.931	6.107	6.034	6.212	6.109	6.176
1444527	at	NA	BB818354	NA	NA	4.863	4.911	4.568	4.727	4.666	4.612	4.925	4.921	5.100	4.879	4.608	4.642	4.784	4.791	4.792	4.699	4.716	4.822	4.609	4.701	4.677	4.887	4.755	4.747
1444528	at	NA	AV367169	NA	NA	4.536	4.530	4.593	4.601	4.644	4.478	4.611	4.593	4.570	4.575	4.464	4.641	4.580	4.508	4.681	4.525	4.843	4.789	4.587	4.660	4.619	4.748	4.598	4.612
1444529	at	EG266459	BM197200	Mm.312138	12	4.072	4.122	4.087	4.065	4.160	4.079	4.117	4.201	3.977	4.081	4.043	4.160	4.089	3.966	4.272	4.114	4.173	4.148	4.085	4.173	4.108	4.400	4.084	4.108
1444530	at	NA	BE686339	NA	NA	7.830	7.697	8.324	8.314	7.987	8.326	8.141	8.227	7.788	7.881	7.838	8.031	8.062	7.949	8.018	8.198	8.403	8.358	8.623	8.510	7.982	8.445	8.010	8.018
1444531	at	NA	AI847438	NA	NA	8.827	7.745	9.096	9.038	8.397	8.936	8.763	8.320	6.688	7.443	7.974	7.731	7.207	7.613	8.555	9.104	8.897	8.836	8.976	8.920	8.836	9.090	9.079	9.452
1444532	at	Ncstn	BM293428	Mm.218203	1	7.048	7.116	7.031	7.139	7.085	7.009	7.112	7.320	7.081	7.038	7.099	6.960	6.961	7.054	7.091	6.961	7.248	7.147	7.084	6.985	7.184	7.050	7.269	6.939
1444533	at	Cuabn2	BF457410	Mm.398543	2	4.722	4.637	4.713	4.554	4.714	4.711	4.791	4.835	4.708	4.515	4.877	4.509	4.906	4.580	4.646	4.674	4.776	4.820	4.707	5.045	4.741	4.869	4.731	4.860
1444534	at	Uhrf1bp1	AW122555	Mm.291291	17	5.462	5.141	5.454	5.272	5.240	5.308	5.397	5.483	5.230	5.287	5.455	5.199	5.054	5.124	5.304	5.226	5.360	5.111	5.134	5.285	5.408	5.711	5.391	5.558
1444535	at	NA	BB106520	NA	NA	4.576	4.430	4.682	4.436	4.532	4.629	4.659	4.528	4.570	4.392	4.532	4.452	4.447	4.456	4.532	4.531	4.648	4.556	4.696	4.894	4.730	4.499	4.942	4.730
1444536	at	AI462171	AI462171	Mm.442410	10	5.544	5.096	5.546	5.407	5.267	5.398	5.242	5.591	5.404	5.234	5.615	5.262	5.277	5.394	5.314	5.547	5.523	5.623	5.507	5.871	5.475	5.456	5.461	5.769
1444537	at	AI429363	AI429363	Mm.393082	5	8.272	8.202	7.864	8.221	8.285	7.983	8.043	8.445	8.548	8.485	8.384	8.449	8.359	8.101	8.360	8.028	8.055	7.506	7.850	7.493	7.966	8.343	8.602	8.732
1444538	at	NA	AW551743	NA	NA	7.852	7.816	7.900	7.919	7.937	7.872	7.851	7.867	8.271	8.015	8.233	7.856	8.042	8.034	7.889	7.927	7.791	7.910	7.877	7.924	7.742	7.770	7.835	7.721
1444539	at	D530039A21Rik	AW493533	Mm.441111	14	8.447	8.159	8.273	8.196	8.315	8.303	8.349	8.229	8.302	8.244	8.214	8.171	8.203	8.384	8.401	8.350	8.269	8.237	8.441	8.323	8.196	8.247	8.555	8.350
1444540	at	NA	BF462741	NA	NA	6.348	5.830	6.239	6.269	6.233	6.358	6.456	5.958	6.353	6.039	5.583	6.111	6.315	6.223	6.285	6.381	6.358	6.216	6.347	6.648	6.421	6.303	6.367	6.383
1444541	at	NA	BM218261	NA	NA	5.822	5.792	5.924	5.836	5.589	5.586	5.985	5.881	5.939	5.763	5.591	5.927	6.078	6.038	5.976	5.890	5.884	5.740	5.776	6.078	5.942	6.009	5.979	5.788
1444542	at	NA	BB214084	NA	NA	6.622	6.415	6.579	6.536	6.535	6.432	6.464	6.464	6.506	6.393	6.398	6.362	6.576	6.449	6.360	6.449	6.451	6.421	6.473	6.632	6.504	6.491	6.708	6.297
1444543	at	NA	BI901592	NA	NA	7.028	6.836	7.019	6.983	6.667	6.613	7.015	7.082	6.843	6.977	6.865	6.784	7.040	6.865	7.042	7.039	6.935	6.789	6.946	6.995	6.915	6.798	6.782	6.929
1444544	at	NA	AI561539	NA	NA	7.099	6.809	6.640	6.914	6.977	6.954	6.899	6.970	6.757	6.980	6.960	6.706	6.769	6.741	6.796	6.964	6.890	6.919	6.943	6.964	6.979	6.822	6.972	7.060
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634	7.506	7.634
1444545	at	NA	AI493917	NA	NA	7.336	7.067	7.757	7.674	7.687	7.674	7.819	7.731	7.506	7.637	7.506	7.634	7.506	7.634	7									

1444608	at	NA	BE991546	NA	NA	4.844	4.379	4.411	4.611	4.667	4.441	4.646	4.690	4.876	4.507	4.981	4.480	4.773	4.926	4.631	4.652	4.526	4.756	4.714	4.872	4.568	4.773	4.555	4.614	
1444609	at	NA	BM941583	NA	NA	7.740	7.630	7.727	7.734	7.660	7.943	7.952	7.603	7.830	7.880	7.484	7.685	7.750	7.932	7.610	7.706	7.623	7.695	7.673	7.759	7.719	7.877	7.688	7.462	
1444610	at	NA	BM935986	NA	NA	4.395	4.098	4.244	4.414	4.318	4.281	4.142	4.341	4.234	4.062	4.242	4.348	4.028	4.302	4.452	4.293	4.424	4.260	4.144	4.362	4.338	4.407	4.336	4.577	
1444611	at	NA	BE630073	NA	NA	4.701	4.829	4.607	4.498	4.981	4.348	4.557	5.020	5.165	5.300	4.487	5.220	5.451	4.947	4.869	4.499	4.728	4.659	4.578	4.675	4.620	5.133	4.694	4.283	
1444612	at	NA	BB293973	Mm.335386	9	9.017	8.672	8.056	8.987	8.695	9.332	9.142	8.929	7.724	8.414	8.743	8.660	8.332	8.196	9.326	8.017	9.428	9.314	9.246	9.517	9.535	9.587	9.480	9.717	
1444613	at	NA	BQ229621	NA	NA	6.485	6.160	6.453	6.442	6.461	6.555	6.454	6.686	6.206	6.180	6.570	6.296	6.502	6.384	6.374	6.464	6.384	6.494	6.788	6.371	6.394	6.564	6.849	6.594	
1444614	x	at	6430537H07Rik	AV259949	Mm.103154	19	4.995	4.764	5.075	5.148	4.897	5.074	5.009	4.981	4.984	4.763	4.962	4.830	4.923	4.942	5.103	4.971	4.933	5.015	5.057	5.028	5.001	4.938	4.884	4.996
1444615	x	at	Runx1t1	AV327778	Mm.4909	4	6.322	6.286	6.459	6.441	6.758	6.585	6.399	6.846	6.846	6.911	5.944	7.618	7.319	6.730	6.804	6.254	7.299	7.155	6.894	6.753	7.327	7.880	6.967	6.607
1444616	x	at	NA	AV074978	NA	NA	7.735	6.839	7.692	7.429	7.713	7.721	7.728	7.249	7.236	7.323	7.513	7.144	7.402	7.490	7.652	7.969	7.510	7.697	7.753	7.962	7.567	7.370	7.737	7.398
1444617	at	NA	BB371911	NA	NA	4.191	4.068	4.200	4.310	4.275	4.064	4.108	4.009	4.143	4.048	4.175	4.153	4.138	4.256	4.054	4.101	4.088	4.276	4.144	4.421	4.258	4.401	4.213	4.165	
1444618	at	NA	BF463213	NA	NA	5.240	5.150	5.143	5.153	5.053	4.972	5.053	5.000	5.002	4.928	5.071	4.867	5.035	5.036	5.048	5.048	4.904	5.365	4.929	5.267	5.096	5.074	5.155	5.012	
1444619	x	at	Pv068122	Mm.180191	17	4.244	4.172	4.093	4.317	4.221	4.200	4.408	4.197	4.216	4.175	4.121	4.134	4.170	4.279	4.239	4.223	4.204	4.247	4.260	4.116	4.129	4.427	4.208	4.004	
1444620	at	NA	BB390864	NA	NA	6.250	6.304	6.433	6.272	6.451	6.408	6.343	6.279	6.156	6.298	6.345	6.538	6.551	6.623	6.499	6.462	6.951	6.222	5.916	6.075	5.965	6.557	6.516	6.300	
1444621	at	NA	qsec2	BE956201	Mm.33027	X	6.818	6.387	6.796	6.580	6.627	6.523	6.690	6.614	6.449	6.432	6.662	6.369	6.599	6.600	6.681	6.894	6.641	6.585	6.938	6.782	6.728	6.626	6.675	6.747
1444622	at	NA	BM118846	NA	NA	6.386	6.349	6.286	6.201	6.196	6.592	6.527	6.472	6.381	6.329	6.125	6.719	6.500	6.506	6.122	6.418	6.797	6.400	6.536	6.347	6.265	6.811	6.385	6.522	
1444623	at	NA	E530011L22Rik	BB176759	Mm.373883	9	7.515	7.407	7.500	7.510	7.419	7.407	7.348	7.760	7.442	7.307	7.437	7.422	7.327	7.388	7.356	7.392	7.465	7.379	7.432	7.597	7.514	7.377	7.570	7.503
1444624	at	NA	Kif24	AW557781	Mm.370288	4	7.374	7.186	7.263	7.010	7.257	7.161	7.137	7.042	7.122	7.068	7.211	7.113	7.148	7.212	7.142	7.255	7.143	6.997	7.152	7.114	7.179	7.169	7.220	7.230
1444625	at	NA	BB551254	NA	NA	5.278	7.012	7.043	7.157	6.982	7.093	7.174	7.279	6.932	6.678	7.170	6.954	6.857	6.986	7.008	6.970	7.214	7.111	7.040	7.014	7.097	6.986	7.033	7.144	
1444626	at	NA	BQ251448	Mm.125647	12	5.585	6.758	7.283	7.457	7.142	7.421	7.367	6.939	7.061	6.926	6.843	7.058	7.173	7.121	7.220	7.409	7.128	7.283	7.443	7.463	7.452	7.470	7.362	7.443	
1444627	at	NA	BB273517	NA	NA	5.210	4.821	5.061	5.072	4.982	5.085	4.950	4.813	4.942	4.830	4.864	5.020	4.848	4.956	5.094	4.693	4.900	4.940	4.817	5.139	5.228	4.982	4.998	5.029	
1444628	at	NA	Adam33	AW986061	Mm.108550	2	5.186	5.326	5.233	5.232	5.462	5.751	5.241	5.242	5.375	5.281	5.307	5.425	5.420	5.107	5.309	5.352	5.539	5.619	5.296	5.364	5.402	5.443	5.524	5.329
1444629	at	NA	Als2cr13	BF463926	Mm.258250	1	4.673	4.225	4.792	4.540	4.703	4.534	4.427	4.373	4.281	4.350	4.345	4.443	4.324	4.477	4.365	4.748	4.428	4.692	4.502	4.581	4.419	4.603	4.782	4.862
1444630	at	NA	BB391360	Mm.441738	2	6.756	6.333	6.851	6.575	6.651	6.545	6.667	6.622	6.547	6.512	6.765	6.473	6.438	6.479	6.505	6.494	6.550	6.393	6.449	6.718	6.639	6.660	6.766	6.545	
1444631	at	NA	Zfp410	AW125794	Mm.255150	12	6.013	5.797	5.861	5.916	5.992	5.984	5.992	6.160	6.075	5.959	6.032	5.798	5.822	5.903	5.733	6.011	5.995	5.784	5.882	6.098	6.092	6.027	6.090	6.189
1444632	at	NA	BC064078	BB568882	Mm.172429	6	4.329	4.201	4.462	4.446	4.423	4.292	4.399	4.312	4.281	4.215	4.401	4.059	4.291	4.348	4.256	4.316	4.191	4.462	4.396	4.502	4.167	4.240	4.336	4.321
1444633	at	NA	BE957247	NA	NA	6.393	6.098	6.262	6.278	6.240	6.324	6.347	6.313	6.124	6.177	6.288	6.241	6.267	6.221	6.372	6.267	6.288	6.349	6.286	6.401	6.235	6.250	6.286	6.507	
1444634	at	NA	Nsn3	BB190558	Mm.26321	16	6.737	6.902	6.842	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748
1444635	at	NA	Al451419	NA	NA	6.483	6.179	6.368	6.321	6.350	6.209	6.239	6.084	6.225	6.156	6.288	6.325	6.169	6.324	6.225	6.169	6.324	6.225	6.169	6.324	6.225	6.169	6.324	6.225	6.169
1444636	at	NA	AV281182	Mm.441502	18	5.746	5.394	5.611	5.411	5.624	5.487	5.685	5.333	5.287	5.440	5.581	5.494	5.388	5.361	5.538	5.604	5.401	5.550	5.746	5.632	5.624	5.432	5.501	5.515	
1444637	at	NA	E230016M11Rik	BE947444	Mm.72235	6	7.138	6.715	7.136	7.214	7.026	7.168	7.174	7.114	6.821	6.973	7.170	7.048	6.858	7.083	7.035	7.244	7.065	7.243	7.162	7.287	6.983	6.775	7.148	7.090
1444638	at	NA	BB478751	Mm.373672	2	14.077	13.778	13.765	14.069	14.177	13.843	13.845	14.110	13.371	13.461	13.668	13.948	13.891	13.373	13.803	13.804	14.081	14.010	13.805	13.780	13.955	14.008	13.683	13.739	
1444639	at	NA	AW124917	NA	NA	6.741	6.681	6.730	6.662	6.803	6.754	6.892	6.849	6.722	6.596	6.962	6.695	6.752	6.707	6.641	6.765	6.744	6.489	6.813	6.696	6.599	6.498	6.767	6.720	6.800
1444640	at	NA	Ploq	Al141361	Mm.319881	5	6.895	6.679	6.892	6.971	6.912	6.770	6.686	6.622	6.543	6.881	6.442	6.555	6.443	6.544	6.750	6.853	6.718	6.732	6.827	6.609	6.808	6.648	6.745	6.881
1444641	at	NA	AW491419	NA	NA	6.039	5.836	5.984	5.998	5.974	5.834	5.925	5.990	5.894	5.757	6.160	5.931	6.003	5.892	6.090	5.915	6.070	5.919	5.912	6.187	5.943	5.748	6.102	5.976	
1444642	at	NA	NA	BB190558	Mm.26321	16	6.737	6.902	6.842	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748	6.724	6.748
1444643	at	NA	Ckcm	BB133024	Mm.2375	7	8.538	7.798	8.537	8.688	8.665	8.437	8.398	8.262	7.784	8.034	8.478	8.448	8.192	7.768	8.634	8.436	8.487	8.472	8.496	8.766	8.429	8.540	8.375	8.862
1444644	x	at	Tatdn1	BB711179	Mm.383230	15	9.446	9.646	9.298	9.242	9.485	9.256	9.433	9.709	9.651	9.747	9.541	9.543	9.481	9.337	9.365	9.174	9.164	9.442	9.353	9.172	9.311	9.327	9.408	9.287
1444645	at	NA	BQ229515	NA	NA	6.872	6.815	6.563	6.666	6.708	6.637	6.775	6.951	6.760	6.872	6.951	6.825	6.820	6.996	7.015	6.596	6.831	6.755	6.862	6.666	6.811	6.664	6.699	6.820	
1444646	at	NA	8430420F16Rik	BB522197	NA	4	4.014	4.065	4.172	4.070	4.113	4.014	4.190	3.901	4.314	4.106	4.298	4.052	4.034	4.326	4.245	4.139	3.987	4.142	4.134	4.258	4.113	4.000	4.096	4.081
1444647	at	NA	Pla	BB532258	Mm.22724	4	5.242	5.613	5.347	5.385	5.227	5.531	5.529	5.366	5.333	5.375	4.967	5.187	5.183	5.369	5.317	5.260	5.204	5.340	5.414	5.057	5.214	5.893	5.610	5.213
1444648	at	NA	BC050210	Al507589	Mm.17413	1	6.564	6.322	6.546	6.535	6.421	6.397	6.568	6.530	6.541	6.525	6.464	6.584	6.480	6.600	6.530	6.670	6.349	6.316	6.490	6.502</				

1444697	at	4732490B19Rik	BB009491	Mm.383743	11	7.348	6.874	7.229	7.102	7.770	7.297	7.372	7.003	7.027	7.400	7.031	7.084	7.326	7.305	7.164	7.516	7.173	7.282	7.269	6.990	7.287	7.326			
1444698	at	NA	BB484375	NA	NA	7.738	7.411	7.637	7.689	7.183	7.495	7.782	7.466	7.435	7.598	7.499	7.576	7.493	7.198	7.757	7.685	7.649	7.576	7.774	7.680	7.549	7.592	7.834		
1444699	at	Sf4	AW540332	Mm.17665	8	6.015	5.994	6.077	6.029	5.903	6.163	6.104	6.011	6.055	6.107	6.128	5.980	6.122	6.095	6.076	6.302	6.029	5.905	6.084	6.142	6.095	5.915	6.182	6.035	
1444700	at	NA	BE985761	NA	NA	5.782	5.574	5.845	5.804	5.821	5.699	5.771	5.822	5.604	5.572	5.800	5.679	5.846	5.750	5.891	5.895	5.927	5.909	5.888	5.927	5.848	5.910	5.817	5.827	
1444701	at	Max3c	BB361987	Mm.24131	18	5.394	4.954	5.374	4.982	5.200	5.383	4.949	5.046	5.023	5.064	5.145	4.668	5.026	4.985	5.140	5.321	5.094	5.087	5.134	5.098	4.928	5.261	5.238		
1444702	at	NA	AV381472	NA	NA	6.540	6.485	6.432	6.600	6.406	6.311	6.520	6.592	6.534	6.425	6.506	6.603	6.468	6.490	6.444	6.478	6.601	6.450	6.569	6.410	6.433	6.408	6.702	6.763	
1444703	at	2810430D21Rik	BB525928	Mm.160066	X	5.051	5.092	5.029	5.068	5.109	4.934	5.052	4.941	5.062	5.123	4.978	4.998	5.193	5.049	4.841	5.106	5.034	5.116	5.386	5.218	5.199	4.881	5.070	5.182	
1444704	at	NA	BB252309	NA	NA	6.810	6.727	6.701	6.736	7.003	6.685	6.772	6.829	6.921	6.789	6.853	6.840	6.995	6.749	6.699	6.513	6.736	6.790	6.782	6.835	6.825	6.689	6.738	6.640	
1444705	at	NA	AW492145	NA	NA	8.626	8.588	8.466	8.569	8.707	8.680	8.440	8.677	8.996	8.915	8.856	8.861	8.952	8.722	8.510	8.506	8.747	8.440	8.485	8.592	8.650	8.772	8.578	8.394	
1444706	at	NA	BB527432	NA	NA	5.802	5.750	5.738	5.872	5.724	5.944	5.848	6.123	5.708	5.700	5.643	5.539	5.760	5.744	5.596	5.814	6.669	6.051	6.046	6.004	5.975	5.938	5.716	5.723	
1444707	at	NA	BO647432	NA	NA	5.122	5.053	5.032	5.144	4.888	4.858	5.117	4.952	5.037	4.968	5.040	4.928	5.039	4.991	4.820	5.117	5.002	4.817	5.089	5.203	5.180	4.946	5.160	5.068	
1444708	at	LOC100040101	BB468680	Mm.461155	X	3.843	3.737	3.817	3.829	3.815	3.995	3.810	3.859	3.797	3.792	3.714	3.773	3.595	3.797	3.897	3.870	3.736	3.977	3.758	3.934	3.883	3.717	3.943	3.866	
1444709	at	Invs	BB009500	Mm.317706	4	4.993	4.672	4.893	4.978	4.796	5.100	4.914	4.679	5.014	5.036	4.817	4.753	4.891	4.795	5.114	4.903	4.762	5.164	4.924	5.099	4.493	4.790	5.166	5.019	
1444710	at	NA	BB418892	NA	NA	4.989	4.950	4.961	4.922	4.873	4.730	4.869	4.860	4.952	4.879	5.070	4.822	5.065	4.819	4.825	4.825	4.780	4.976	4.778	4.829	4.740	4.716	4.822	4.833	
1444711	at	Kank1	BB220535	Mm.260722	19	8.395	8.102	8.078	8.289	8.115	8.125	8.192	8.112	8.242	7.950	8.166	8.056	8.227	8.113	8.191	8.228	8.237	8.166	8.289	8.282	8.276	8.099	8.237	8.377	
1444712	at	Hsf5	BG075885	Mm.390371	11	6.607	6.080	6.508	6.350	6.244	6.297	6.380	6.423	6.188	6.048	6.358	6.216	6.225	6.408	6.366	6.438	6.071	6.339	6.297	6.365	6.499	6.310	6.369	6.492	
1444713	at	NA	BI076762	NA	NA	7.424	7.002	7.183	7.046	7.155	7.141	7.332	7.037	6.934	6.885	6.989	6.778	7.014	7.139	7.175	7.133	6.926	7.036	7.340	7.485	7.087	7.234	7.234	7.069	
1444714	at	OTTMUSG000000	BB529567	Mm.293096	4	6.719	6.944	7.247	7.462	6.847	7.203	7.279	7.079	6.706	6.567	6.622	7.246	7.352	7.024	6.719	7.211	7.068	6.860	6.657	7.119	6.916	6.819	7.254	6.820	
1444715	at	NA	AW539049	NA	NA	6.531	6.478	6.422	6.491	6.666	6.584	6.542	6.716	6.699	6.369	6.623	6.750	6.565	6.686	6.577	6.450	6.441	6.679	6.451	6.792	6.453	6.272	6.667	6.433	
1444716	at	Meth2	BB468481	Mm.270091	11	7.494	7.586	7.233	7.510	7.547	7.699	7.440	7.366	7.427	7.400	7.729	7.295	6.935	7.263	7.358	7.681	7.398	7.326	7.260	7.218	7.025	7.094	7.705	7.457	
1444717	at	NA	AV356898	NA	NA	6.763	6.506	6.629	6.789	6.793	6.671	6.903	6.729	6.739	6.652	7.020	6.650	6.723	6.646	6.727	6.679	6.653	6.683	6.790	6.823	6.755	6.568	6.922	6.702	
1444718	at	Trem2	AV140744	Mm.329104	17	4.968	4.822	4.869	4.861	4.875	4.886	4.904	4.963	4.846	4.828	5.083	5.000	4.902	4.944	4.904	4.790	4.535	5.016	5.001	4.995	5.158	5.078	4.963	5.027	
1444719	at	Asph	BG066545	Mm.239247	4	9.491	9.220	9.421	9.392	9.311	9.465	9.535	9.431	9.184	9.368	9.396	9.133	9.192	9.343	9.394	9.420	9.343	9.393	9.451	9.545	9.460	9.253	9.589	9.642	
1444720	at	AA408456	BG063234	NA	8	7.876	7.224	7.901	7.693	7.579	7.764	7.728	7.894	7.322	7.424	7.543	7.160	7.518	7.564	7.719	7.803	7.698	7.623	7.760	7.892	7.653	7.419	7.742	7.779	
1444721	at	NA	BG069109	NA	NA	6.368	6.269	6.370	6.534	6.338	6.296	6.401	6.340	6.286	6.179	6.325	6.095	6.353	6.218	6.103	6.316	6.300	6.235	6.286	6.355	6.381	6.380	6.280	6.253	
1444722	at	NA	BG075584	NA	NA	8.610	8.295	8.696	8.690	8.640	9.006	9.188	8.554	8.113	8.404	8.579	8.532	8.934	8.646	8.690	8.803	8.828	8.597	9.316	9.178	9.189	9.295	8.566	9.591	
1444723	at	ES30418L21Rik	BB361980	Mm.212591	3	6.248	6.108	6.208	6.208	6.248	6.208	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	6.248	
1444724	at	NA	AW492836	NA	NA	7.058	6.721	6.882	7.058	6.940	6.866	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	
1444725	at	Mastl	BG072383	Mm.253721	2	4.795	4.683	4.701	4.768	4.700	4.811	4.791	4.866	4.837	4.786	4.987	4.721	4.499	4.715	4.794	4.751	4.833	4.594	4.964	4.754	4.897	4.797	4.803	4.822	
1444726	at	Krr1	AV355312	Mm.34606	10	6.738	6.298	6.631	6.610	6.528	6.565	6.739	6.566	6.099	6.422	6.567	6.437	6.426	6.184	6.493	6.678	6.589	6.793	6.746	6.747	6.579	6.899	6.505	6.618	
1444727	at	2310042D19Rik	BB385713	Mm.431343	4	7.119	6.861	7.085	7.122	7.033	6.971	6.983	6.902	6.930	6.992	6.942	6.914	7.164	6.730	6.929	7.051	6.916	6.682	6.803	7.062	7.131	7.009	7.079	6.954	
1444728	at	NA	BB203232	NA	NA	8.138	8.032	8.242	8.014	8.129	8.237	8.166	7.802	8.095	8.177	7.987	7.989	8.128	8.200	8.099	8.188	8.034	8.083	8.274	8.158	7.851	8.197	8.116	8.196	
1444729	at	Ptbp1	BB772538	Mm.265610	10	7.365	7.501	7.245	7.247	7.334	7.454	7.307	7.445	7.319	7.257	7.247	7.303	7.351	7.249	7.341	7.383	7.391	7.368	7.427	7.434	7.372	7.315	7.439	7.287	
1444730	at	Tik1	BB297867	Mm.136511	2	4.665	4.389	4.718	4.653	4.659	4.840	4.841	4.734	4.762	4.678	4.822	4.703	4.682	4.650	4.747	4.809	4.809	4.856	4.744	4.788	4.658	4.745	4.757	4.831	
1444731	at	Max4b	BB162448	Mm.20181	4	7.222	6.867	6.939	7.224	7.125	6.197	7.219	6.284	6.286	6.197	7.219	6.284	6.286	6.197	7.219	6.284	6.286	6.197	7.219	6.284	6.286	6.197	7.219	6.284	6.286
1444732	at	NA	AI427963	NA	NA	4.595	4.541	4.470	4.552	4.460	4.530	4.581	4.595	4.567	4.490	4.639	4.668	4.616	4.556	4.707	4.645	4.621	4.782	4.744	4.722	4.521	4.530	4.654	4.775	
1444733	at	NA	BE944361	NA	NA	4.915	4.936	4.797	4.973	4.729	5.045	4.938	4.758	4.665	4.989	4.959	4.743	4.836	4.950	4.797	4.859	4.786	4.494	4.826	5.254	4.791	4.480	5.015	4.932	
1444734	at	A330001L22Rik	BB183877	NA	14	5.738	5.410	5.899	5.538	5.480	5.464	5.704	5.506	5.559	5.664	5.958	5.567	5.735	5.652	5.768	5.687	5.759	6.035	5.775	5.906	5.833	5.627	5.817	5.897	
1444735	at	NA	BM221751	NA	NA	6.022	6.120	6.036	6.109	6.260	6.028	6.061	5.798	5.960	6.207	6.067	6.268	6.097	6.153	6.085	5.981	6.083	6.112	6.543	6.036	6.175	6.268	6.121	6.226	
1444736	at	Cdh7	BB129525	Mm.213407	1	3.964	3.727	3.957	3.858	3.858	3.863	3.932	3.900	3.729	3.741	4.099	3.794	4.059	3.797	3.880	4.051	3.749	4.055	3.690	3.739	3.910	3.883	3.837	3.905	
1444737	at	D2Wsu107e	BG063050	NA	2	6.075	5.892	5.958	5.989	5.913	5.912	6.038	5.958	5.948	5.897	5.846	5.832	5.913	5.786	5.900	5.966	6.119	5.935	5.884	5.924	6.138	5.884	6.025	5.927	
1444738	at	5730419I09Rik	BB411980	Mm.130260	7	6.138	5.943	6.028	6.138	5.943	6.028																			

1444786	at	Nol3	BB546891	Mm.475715	8	7.313	7.734	7.189	6.961	7.639	6.906	7.181	7.787	8.037	8.038	7.381	8.547	8.035	7.435	7.364	7.100	7.687	7.758	7.271	7.009	7.333	7.586	6.740	7.233
1444787	at	NA	BM117103	NA	NA	5.473	5.660	5.679	5.399	5.566	5.837	5.575	5.264	5.708	5.666	5.655	5.507	5.686	5.623	5.625	5.735	5.421	5.511	5.378	5.371	5.574	5.136	5.702	5.561
1444788	x at	NA	BM117103	NA	NA	5.825	5.862	5.848	5.816	5.889	5.847	5.806	5.480	5.915	5.956	6.089	5.782	5.853	5.807	5.709	5.947	5.664	5.721	5.855	5.681	5.746	5.657	6.210	5.904
1444789	at	NA	AI427762	NA	NA	9.365	9.068	8.200	8.987	9.132	8.259	8.277	9.819	9.913	9.767	8.158	9.474	9.375	8.057	8.012	8.063	9.623	9.469	9.360	8.800	9.456	8.954	8.710	8.258
1444790	at	1810005K13Rik	AU048499	Mm.272341	18	5.149	5.012	4.130	5.215	5.309	5.267	5.284	5.456	5.076	5.034	5.021	5.270	5.036	4.890	5.124	5.592	5.738	5.703	5.283	5.799	5.834	5.624	4.153	
1444791	at	NA	BG073304	NA	NA	6.908	6.145	6.702	6.444	6.472	6.266	6.287	6.200	6.127	5.968	6.345	6.401	6.109	6.357	6.277	6.551	5.764	6.204	6.552	6.626	6.312	6.245	6.384	6.127
1444792	at	C80276	BG067669	NA	2	6.129	5.632	5.928	5.696	5.926	5.935	5.819	5.662	5.867	5.819	5.942	5.674	5.605	5.731	5.694	5.792	5.816	5.820	5.863	5.405	5.753	5.945	5.861	5.786
1444793	at	NA	BG070034	NA	NA	6.681	6.443	6.741	6.590	6.339	6.661	6.562	6.166	6.761	6.517	6.446	6.311	6.514	6.346	6.567	6.692	6.703	6.589	6.657	6.741	6.977	6.629	6.626	6.715
1444794	at	NA	BG066143	NA	NA	7.269	7.004	7.198	7.244	7.327	7.187	7.195	7.364	7.345	7.708	7.117	7.158	7.230	7.239	7.183	7.234	7.327	7.252	7.247	7.275	7.307	7.163	7.415	7.288
1444795	at	AU015723	BG070359	Mm.25933	13	6.077	5.886	6.110	6.329	6.048	6.012	6.125	6.206	6.391	6.031	6.184	6.129	6.258	6.280	6.115	6.037	6.269	6.066	5.898	6.310	6.143	6.125	6.091	6.193
1444796	at	C76876	BG065774	NA	4	6.432	6.193	6.337	6.278	6.287	6.404	6.390	6.070	6.168	6.187	6.419	6.012	6.155	6.182	6.281	6.319	6.169	6.068	6.277	6.300	6.226	6.100	6.227	6.339
1444797	at	B030474K03Rik	BB069599	Mm.328112	X	5.731	5.144	5.609	5.470	5.330	5.191	5.556	5.407	5.960	5.427	5.542	5.330	5.278	5.576	5.390	5.333	5.248	5.424	5.481	5.690	5.589	5.475	5.474	5.611
1444798	at	NA	BG071094	NA	NA	5.995	5.593	6.041	5.948	5.823	6.164	6.054	5.547	5.455	5.483	5.980	5.604	5.443	5.825	5.959	5.799	5.695	6.084	6.026	6.057	5.855	5.739	5.901	6.070
1444799	at	AU022054	AU022054	NA	10	3.987	3.700	3.939	3.941	3.963	4.195	4.089	3.905	3.878	3.948	3.788	3.897	3.941	3.974	4.012	4.006	3.953	3.948	3.953	4.065	3.915	3.910	4.013	
1444800	at	NA	BG068762	NA	NA	5.323	5.071	5.388	5.214	5.275	5.177	5.233	5.152	5.299	5.187	5.334	5.190	5.248	5.181	5.079	5.302	5.074	5.241	5.216	5.094	5.164	5.303	5.182	5.141
1444801	at	2900041M22Rik	BB177655	Mm.212543	11	5.708	5.467	5.300	5.388	5.503	5.443	5.206	5.491	5.484	5.506	5.502	5.485	5.456	5.560	5.510	5.588	5.448	5.325	5.408	5.457	5.334	5.289	5.468	5.358
1444802	at	Sec22a	BB155320	Mm.259164	16	4.596	4.460	4.548	4.712	4.320	4.686	4.597	4.339	4.364	4.302	4.339	4.356	4.273	4.381	4.548	4.392	4.342	4.528	4.304	4.524	4.570	4.455	4.413	4.405
1444803	at	NA	BG073512	NA	NA	5.766	5.526	5.509	5.512	5.313	5.140	5.326	5.424	5.513	5.154	5.516	5.233	5.451	5.436	5.546	5.436	5.543	5.583	5.466	5.547	5.446	5.513	5.381	5.262
1444804	at	D17Ertd96e	BG065832	NA	17	4.387	4.142	4.227	4.367	4.404	4.120	4.175	4.311	4.406	4.212	4.359	4.253	4.305	4.372	4.234	4.188	4.254	4.123	4.120	4.459	4.388	4.168	4.222	4.265
1444805	at	NA	BG076234	NA	NA	6.325	5.809	6.183	6.168	6.177	6.035	6.124	6.188	6.110	6.057	6.286	6.037	6.156	6.031	6.132	6.322	6.052	6.184	6.144	6.200	6.164	6.293	6.334	6.231
1444806	at	NA	BB551256	NA	NA	8.223	8.446	8.326	8.471	8.449	8.844	8.215	7.990	8.207	8.236	7.982	8.087	7.981	8.162	8.124	8.359	8.016	8.302	8.320	8.144	8.009	7.922	8.591	8.070
1444807	at	NA	BG068933	NA	NA	5.686	5.362	5.487	5.611	5.309	5.653	5.627	5.443	5.516	5.209	5.486	5.326	5.466	5.234	5.517	5.514	5.489	5.335	5.553	5.570	5.625	5.573	5.548	5.500
1444808	at	NA	BG070555	NA	NA	5.932	5.839	5.782	5.720	5.536	5.564	5.702	5.689	5.663	5.801	5.892	5.831	5.801	5.734	5.780	5.658	5.594	5.637	5.604	5.820	5.803	5.569	5.578	6.119
1444809	at	Marveld3	BG064953	Mm.86833	8	6.753	6.618	6.726	6.810	6.789	6.662	6.951	6.789	6.883	6.745	6.777	6.668	6.755	6.865	6.692	6.808	6.738	6.768	6.877	6.889	6.636	6.696	6.854	6.735
1444810	at	NA	BG065305	NA	NA	5.030	5.258	5.288	5.259	5.161	5.257	5.245	5.144	5.382	5.063	5.110	5.104	5.303	4.989	5.025	5.150	5.102	5.140	4.931	5.008	5.346	5.261	5.122	5.110
1444811	at	Sec62	BM293801	Mm.26017	3	6.860	6.641	7.340	6.870	6.571	6.974	6.975	6.531	6.498	6.649	6.733	6.825	6.778	6.508	6.918	7.129	6.723	6.658	6.775	6.984	6.581	6.662	6.617	6.949
1444812	at	Prdm10	BG064925	Mm.335039	9	4.768	4.356	4.434	4.354	4.364	4.277	4.477	4.478	4.463	4.474	4.524	4.373	4.480	4.531	4.410	4.550	4.450	4.485	4.455	4.485	4.425	4.455	4.485	4.455
1444813	at	NA	BB521324	NA	NA	9.810	8.903	5.703	7.941	5.913	5.833	5.729	5.890	5.941	5.729	5.890	5.941	5.729	5.890	5.941	5.729	5.890	5.941	5.729	5.890	5.941	5.729	5.890	5.941
1444814	at	D15Ertd180e	BG066215	NA	15	6.886	6.669	6.710	6.704	6.647	6.616	6.776	6.713	6.684	6.662	6.772	6.652	6.693	6.699	6.623	6.655	6.599	6.690	6.736	6.840	6.735	6.700	6.627	6.879
1444815	at	C85328	BG067157	NA	3	4.108	4.005	4.002	4.056	3.994	3.957	4.012	3.921	3.850	3.895	4.102	3.794	3.870	4.012	3.996	4.289	4.026	4.033	4.127	4.182	4.070	3.987	3.899	4.110
1444816	at	Offr75-ps1	BG068751	Mm.173657	11	4.808	4.332	4.707	4.862	4.651	4.832	4.637	4.706	4.809	4.613	4.685	4.725	4.621	4.585	4.780	4.689	4.707	4.698	4.779	4.819	4.543	4.693	4.733	4.818
1444817	at	Plekhh2	BG076348	Mm.215159	17	4.693	4.575	4.824	4.946	4.485	4.878	4.873	4.926	4.703	4.954	4.685	5.157	4.954	4.965	5.130	4.866	5.172	4.878	4.892	4.891	4.866	4.977	4.791	4.939
1444818	at	NA	BG068716	NA	NA	4.802	4.489	4.586	4.698	4.700	4.521	4.617	4.579	4.493	4.429	4.611	4.379	4.611	4.582	4.536	4.661	4.676	4.537	4.579	4.646	4.561	4.570	4.509	4.585
1444819	at	C86090	BG067367	NA	10	7.920	7.576	7.830	7.930	7.811	7.823	7.862	7.809	7.668	7.565	7.906	7.485	7.845	7.757	7.570	7.921	7.794	7.772	7.902	8.030	7.963	7.857	7.923	7.485
1444820	at	NA	BG076016	NA	NA	6.859	6.499	6.392	6.243	6.395	6.567	6.271	6.483	6.115	6.352	6.222	6.397	6.194	6.252	6.482	6.526	6.450	6.485	6.450	6.485	6.450	6.485	6.450	6.485
1444821	at	D8Ertd82e	C77971	Mm.244971	8	6.552	6.273	6.479	6.528	6.272	6.420	6.596	6.645	6.503	6.432	6.843	6.190	6.466	6.442	6.497	6.441	6.574	6.420	6.475	6.784	6.477	6.306	6.579	6.251
1444822	at	NA	BG068786	NA	NA	4.665	4.416	4.428	4.653	4.490	4.597	4.438	4.586	4.679	4.389	4.428	4.474	4.453	4.604	4.537	4.749	4.641	4.604	4.676	4.585	4.489	4.399	4.402	4.613
1444823	at	NA	BG067665	NA	NA	7.872	7.667	7.849	7.896	7.756	7.810	7.878	8.029	7.614	7.597	7.779	7.677	7.690	7.691	7.810	7.879	7.910	7.710	7.952	8.202	8.102	7.974	7.982	7.785
1444824	at	C76793	BG065749	NA	2	6.590	6.295	6.527	6.457	6.434	6.347	6.579	6.637	6.460	6.273	6.643	6.480	6.434	6.340	6.301	6.604	6.463	6.541	6.562	6.612	6.344	6.412	6.253	6.370
1444825	at	NA	BG065750	NA	NA	7.108	6.985	6.962	6.916	6.989	6.941	7.095	7.050	7.231	6.922	7.046	6.973	7.018	7.018	6.854	6.956	6.915	6.977	6.954	7.019	7.107	6.914	7.083	6.979
1444826	at	NA	AU023189	NA	NA	6.182	5.857	6.066	6.131	5.989	6.235	6.270	6.008	5.842	5.875	5.918	5.954	6.211	6.056	6.157	6.228	6.081	6.131	6.325	6.331	6.075	5.913	6.216	6.238
1444827	at	NA	BG064727	NA	NA	6.546	6.581	6.587	6.586	6.578	6.599	6.586	6.578	6.595	6.578	6.612	6.613												

1444875	at	NA	C78030	NA	NA	5.879	5.874	5.807	5.856	5.614	5.750	5.981	5.657	5.691	5.482	5.683	5.488	5.709	5.690	5.692	5.698	5.774	5.462	5.657	5.705	5.604	5.567	5.809	5.680	
1444876	at	NA	BM203195	NA	NA	6.866	6.691	6.976	7.059	6.769	7.050	7.048	7.124	6.872	6.928	6.694	6.877	6.957	7.002	6.958	6.999	6.994	6.847	6.967	6.970	7.094	6.940	6.929	7.002	
1444877	at	NA	C85493	NA	NA	5.119	4.835	5.075	5.223	5.203	5.285	5.169	5.189	4.862	5.176	5.229	5.029	5.142	5.052	5.203	5.115	5.140	5.156	5.339	5.335	5.056	5.102	5.088	5.041	
1444878	at	NA	BM247032	NA	NA	6.362	6.340	6.281	6.137	6.158	6.326	6.241	6.453	6.390	6.578	6.329	6.827	6.576	6.374	6.564	6.267	6.236	6.092	6.021	6.135	6.052	6.184	6.086	6.104	
1444879	at	NA	BG069164	NA	NA	3.355	4.552	4.037	3.922	3.988	3.963	3.968	4.100	3.818	3.889	4.081	3.866	3.899	3.985	4.175	3.953	3.870	4.036	4.043	3.938	4.000	3.938	4.179	3.928	
1444880	at	NA	AW457374	NA	NA	5.649	5.339	5.460	5.562	5.387	5.545	5.471	5.445	5.132	5.255	4.587	5.458	5.550	5.415	5.385	5.508	5.473	5.668	5.601	5.702	5.513	5.454	5.504	5.508	
1444881	at	TaoK3	C77893	Mm.248296	5	5.835	5.848	5.577	5.807	5.813	5.609	5.927	5.981	5.969	5.727	5.981	5.588	5.930	5.589	5.866	5.757	5.470	5.479	5.425	5.524	5.505	5.424	5.834		
1444882	at	NA	BG067308	NA	NA	5.558	5.592	5.646	5.683	5.345	5.718	5.672	5.686	5.506	5.518	5.459	5.529	5.280	5.715	5.617	5.665	5.757	5.455	5.613	5.970	5.575	5.383	5.649	5.599	
1444883	at	Tmem19	AW551464	Mm.29647	10	7.508	7.049	7.461	7.391	7.117	7.416	7.490	7.297	7.169	7.079	7.272	7.117	7.436	7.259	7.309	7.509	7.370	7.346	7.411	7.588	7.511	7.314	7.642	7.486	
1444884	at	Ppt1	C78075	Mm.277719	4	5.483	5.209	5.385	5.451	5.285	5.372	5.271	5.122	5.309	5.215	5.263	5.330	5.270	5.250	5.276	5.386	5.132	5.453	5.349	5.369	5.334	5.345	5.317	5.240	
1444885	at	NA	BG071763	NA	NA	5.203	4.987	5.318	4.910	4.978	5.130	5.180	5.199	4.838	4.911	4.299	4.920	5.014	5.145	5.196	5.242	5.188	5.130	5.389	5.358	5.194	5.122	5.131	5.201	
1444886	at	NA	B9557519	NA	NA	5.041	4.918	4.825	4.646	4.916	4.710	4.717	4.965	4.827	4.795	4.860	4.871	4.808	4.617	4.666	4.639	4.670	4.521	4.641	4.490	4.765	4.781	4.920	4.770	
1444887	at	C79015	Mm.5780	11	7.192	7.018	7.100	7.205	7.202	7.099	7.077	7.163	7.233	6.970	7.374	7.139	7.213	7.224	7.179	7.027	7.191	7.136	7.122	7.100	7.384	7.278	7.100	7.384	7.278	
1444888	at	NA	BG068424	NA	15	6.706	6.558	6.673	6.361	6.661	6.693	6.772	6.629	6.516	6.270	6.485	6.524	6.607	6.689	6.681	6.890	6.856	6.693	6.651	7.103	6.883	6.687	6.790	7.065	
1444889	at	Rassf2	B8537004	Mm.204737	2	4.785	4.532	4.655	4.616	4.497	4.436	4.650	4.548	4.703	4.615	4.545	4.399	4.487	4.703	4.533	4.764	4.705	4.821	4.691	4.700	4.596	4.494	4.654	4.582	
1444890	at	NA	BG073838	NA	NA	7.342	7.679	7.474	7.436	7.528	7.640	7.485	7.416	7.686	7.677	7.604	7.608	7.688	7.574	7.668	7.632	7.362	7.485	7.493	7.645	7.318	7.530	7.755	7.444	
1444891	at	NA	BG070334	Mm.375584	X	5.525	5.166	5.622	5.656	5.121	5.414	5.566	5.375	5.090	5.314	5.466	5.076	5.206	5.150	5.434	5.566	5.644	5.393	5.418	5.692	5.593	5.253	5.658	5.548	
1444892	at	NA	BG072199	Mm.24532	2	5.278	5.350	5.365	5.409	5.399	5.239	5.574	5.367	5.332	5.211	5.380	5.300	5.389	5.424	5.489	5.368	5.204	5.554	5.479	5.386	5.400	5.254	5.409	5.483	
1444893	at	NA	BG069080	NA	NA	5.758	7.253	7.415	7.650	7.473	7.419	7.503	7.401	7.517	7.294	7.531	7.318	7.417	7.557	7.230	7.392	7.192	7.327	7.270	7.535	7.381	7.362	7.450	7.413	
1444894	at	Ptm18	BG076324	Mm.361	1	6.650	6.314	6.574	6.709	6.461	6.445	6.393	6.722	6.614	6.443	6.541	6.632	6.525	6.633	6.499	6.552	6.515	6.441	6.495	6.454	6.655	6.394	6.507	6.533	
1444895	at	NA	BG070615	NA	NA	7.481	7.216	7.361	7.540	7.348	7.510	7.583	7.354	7.410	7.282	7.443	7.449	7.638	7.446	7.282	7.362	7.556	7.484	7.656	7.662	7.614	7.535	7.611	7.414	
1444896	at	NA	BG066175	NA	NA	4.952	4.625	4.712	4.762	4.767	4.848	4.796	4.903	4.728	4.583	4.791	4.605	4.785	4.852	4.733	4.875	4.795	4.543	4.831	4.937	4.814	4.713	4.879	4.817	
1444897	at	NA	AU017263	BG070907	Mm.442285	12	5.336	4.632	5.061	5.068	4.921	5.202	4.946	4.996	4.988	4.896	4.968	4.707	4.919	4.940	5.157	5.231	4.990	5.205	5.232	5.348	5.288	4.959	5.234	5.342
1444898	at	NA	BG072747	NA	NA	7.607	7.461	7.746	7.628	7.583	7.720	7.629	7.639	7.539	7.494	7.607	7.463	7.630	7.463	7.564	7.533	7.587	7.567	7.652	7.619	7.725	7.586	7.651	7.742	
1444899	at	NA	BB377300	NA	NA	5.792	5.632	5.953	5.909	5.686	5.861	5.709	5.756	5.879	5.830	5.816	5.793	5.777	5.738	5.796	5.828	6.109	5.822	5.928	5.837	5.785	5.741	5.649	5.782	
1444900	at	NA	BG066572	NA	18	6.240	6.275	6.224	6.334	6.210	6.008	6.372	6.152	6.042	6.055	6.112	6.245	6.204	6.042	6.289	6.206	6.217	6.320	6.055	6.389	6.305	6.306	6.373	6.362	
1444901	at	NA	BG054529	NA	NA	6.139	6.135	6.422	5.586	6.135	6.088	5.675	5.701	5.886	5.762	5.868	5.513	5.481	5.465	6.148	5.487	5.729	5.572	5.415	5.357	5.309	5.566	5.972	5.972	
1444902	at	NA	BM118394	NA	NA	7.208	6.811	7.217	7.147	7.394	6.965	7.237	7.344	6.984	6.981	7.106	7.017	7.244	6.963	6.907	7.285	7.119	7.077	7.077	7.208	7.472	7.522	7.522	7.232	
1444903	at	NA	BG065784	NA	NA	4.320	4.240	4.388	4.584	4.397	4.601	4.514	4.284	4.270	4.317	4.370	4.296	4.402	4.315	4.397	4.400	4.627	4.324	4.483	4.572	4.328	4.371	4.793	4.305	
1444904	at	NA	BG068236	NA	NA	6.748	6.728	6.671	6.800	6.661	6.865	6.747	6.800	6.617	6.723	6.895	6.702	6.739	6.862	6.656	6.801	6.956	6.925	6.796	6.656	6.860	6.612	6.830	6.796	
1444905	at	NA	BG069198	NA	3	4.657	4.426	4.450	4.557	4.430	4.466	4.477	4.664	4.399	4.292	4.637	4.471	4.576	4.531	4.488	4.445	4.535	4.388	4.498	4.396	4.447	4.434	4.679	4.406	
1444906	at	LOC100048050	BG067833	NA	1	7.326	7.090	7.270	7.078	7.113	7.304	7.309	7.219	7.107	7.004	7.237	7.010	7.376	7.298	7.279	7.212	7.093	7.271	7.155	7.253	7.058	7.171	6.990	7.330	
1444907	at	NA	AU022138	NA	1	5.048	4.991	4.950	4.947	4.901	5.056	4.947	4.649	4.680	4.784	4.911	4.793	4.570	4.941	4.880	5.050	4.761	4.713	4.993	4.968	5.152	4.795	5.013	4.885	
1444908	at	Habp4	BM228113	Mm.40989	13	5.501	5.839	5.366	5.610	5.626	5.634	5.525	6.057	5.540	5.739	5.775	6.247	5.888	5.755	5.813	5.636	6.410	6.645	6.084	5.980	5.945	6.151	5.918	5.663	
1444909	at	NA	BG069049	NA	NA	7.454	6.305	7.517	7.391	7.280	7.520	7.351	7.527	7.573	7.385	7.360	7.389	7.500	7.289	7.209	7.552	7.384	7.102	7.239	7.332	7.365	7.252	7.609	7.307	
1444910	at	NA	BG069004	NA	NA	7.022	6.702	6.962	6.880	6.901	6.931	7.050	6.886	6.651	6.695	6.945	6.703	6.937	6.915	6.983	7.224	6.988	7.011	6.985	7.357	6.937	6.853	6.969	6.897	
1444911	at	Atd10b	BG069160	Mm.252339	11	6.639	6.351	6.680	6.573	6.640	6.634	6.564	6.588	6.553	6.648	6.765	6.400	6.661	6.530	6.439	6.611	6.640	6.760	6.660	6.970	6.672	6.583	6.766	6.497	
1444912	at	NA	AW554202	NA	NA	6.806	6.681	6.782	6.865	6.873	6.953	6.618	6.673	6.781	6.891	6.692	6.752	6.789	6.701	6.885	6.638	6.870	6.670	6.949	6.868	6.865	6.781	6.698	6.621	
1444913	at	NA	BG074735	NA	NA	5.556	5.179	5.405	5.315	5.329	5.291	5.319	5.230	5.338	5.328	5.235	5.357	5.337	5.183	5.450	5.182	5.417	5.270	5.260	5.572	5.371	5.470	5.515	5.757	
1444914	at	NA	AW121574	NA	NA	7.263	6.785	7.330	7.151	6.947	7.114	7.173	6.838	7.091	7.749	7.029	6.967	6.829	6.994	6.970	7.145	6.813	7.118	6.995	7.188	7.097	6.924	7.117	7.041	
1444915	at	NA	BG067109	NA	1	3.934	3.538	3.981	3.743	3.849	4.207	3.843	3.890	3.570	3.602	3.974	3.746	3.772	3.941	3.835	3.809	3.912	3.887	3.951	3.935	3.912	3.885	3.841	3.774	
1444916	at	Gm1305	BG069136	Mm.330803	1	4.757	6.179	6.142	6.057	6.052	6.166	6.044	6.167	6.031	6.023	6.080	5.935	6.031	5.917	6.031	5.985	6.094	6.162	6.12						

1444964	at	Csnk1n1	AI451488	Mm.325816	9	7.467	6.956	7.189	7.123	7.216	7.171	7.334	7.231	7.095	7.063	7.181	6.902	7.075	7.150	7.233	7.364	7.224	7.115	6.964	7.357	7.127	7.214	7.336	7.391	
1444965	at	E130002L11Rik	BB215043	Mm.216517	12	4.780	4.621	4.829	4.765	4.614	4.647	4.685	4.469	4.595	4.500	4.905	4.335	4.486	4.424	4.711	4.670	4.771	4.647	4.970	4.662	4.600	4.634	4.844	4.532	
1444966	at	NA	BB107103	NA	NA	7.286	7.276	7.115	7.362	7.236	7.305	7.306	7.415	7.377	7.088	7.232	7.272	7.227	7.172	7.277	7.257	7.253	7.340	7.274	7.212	7.340	7.358	7.397	7.286	
1444967	at	NA	BG071014	NA	NA	6.805	5.999	6.689	6.515	6.442	6.580	6.567	6.519	6.589	6.328	6.649	6.108	6.394	6.628	6.566	6.600	6.479	6.698	6.682	6.752	6.587	6.382	6.615	6.920	
1444968	at	NA	BG073574	NA	NA	6.295	6.062	6.289	6.420	6.271	6.338	6.431	6.502	6.640	6.140	6.551	6.292	6.422	6.350	6.252	6.276	6.087	6.394	6.501	6.482	6.301	6.294	6.433	6.195	
1444969	at	50334140K4Rik	BG068806	Mm.187470	1	6.876	6.702	6.668	6.641	6.527	6.722	6.797	6.597	6.878	6.730	6.615	6.280	6.502	6.758	6.647	6.546	6.521	6.484	6.663	6.816	6.709	6.571	6.800	6.593	
1444970	at	C750872	BG066561	NA	5	5.697	5.319	5.573	5.592	5.560	5.444	5.716	5.488	5.425	5.228	5.600	5.382	5.399	5.389	5.593	5.457	5.467	5.457	5.644	5.648	5.460	5.560	5.570	5.546	
1444971	at	NA	AW553802	NA	NA	5.370	5.294	5.233	5.488	5.211	5.299	5.288	5.288	5.209	5.088	5.071	5.209	4.879	5.059	5.094	5.167	5.299	5.259	5.148	5.137	5.421	5.436	5.500	5.150	
1444972	at	C77626	BG065987	NA	16	4.697	4.836	4.427	4.496	4.397	4.630	4.914	4.379	4.260	4.458	4.841	4.401	4.272	4.193	4.623	4.847	4.503	4.287	4.489	4.430	4.485	4.469	4.441	4.578	
1444973	at	NA	AW557920	NA	NA	6.756	6.347	6.600	6.723	6.743	6.513	6.850	6.705	6.672	6.387	6.436	6.688	7.066	6.688	6.514	6.799	6.706	6.383	6.627	6.726	6.392	6.178	6.613	6.611	
1444974	at	AU023617	BG068713	Mm.349625	7	6.646	6.301	6.653	6.528	6.580	6.743	6.516	6.586	6.599	6.481	6.717	6.402	6.627	6.680	6.669	6.534	6.740	6.733	6.571	6.747	6.663	6.498	6.617	6.851	6.775
1444975	at	NA	BG071011	NA	6.446	6.170	6.273	6.286	6.326	6.309	6.399	6.360	6.463	5.984	6.050	6.232	6.399	6.434	6.435	6.346	6.308	6.149	6.353	6.486	6.242	6.080	6.415	6.354	6.354	
1444976	at	NA	BG068408	NA	NA	5.545	5.161	5.476	5.418	5.435	5.327	5.477	5.403	5.260	5.352	5.362	5.261	5.317	5.292	5.410	5.439	5.242	5.407	5.425	5.627	5.544	5.578	5.513	5.515	
1444977	at	NA	BG064549	NA	NA	6.860	6.756	6.894	7.012	6.808	6.894	6.878	6.968	6.928	6.724	7.051	6.239	6.898	6.876	7.019	6.918	6.741	6.917	6.898	6.867	6.996	7.086	6.939	6.974	6.885
1444978	at	NA	BM223267	NA	NA	5.550	5.194	5.764	5.533	5.197	5.704	5.546	5.487	5.381	5.393	5.675	5.298	5.392	5.397	5.696	5.440	5.528	5.568	5.708	5.958	5.469	5.201	5.494	5.847	
1444979	at	NA	BG071830	NA	NA	6.043	5.805	6.198	6.181	5.988	6.251	6.300	6.312	6.195	6.199	6.440	6.009	6.217	6.197	6.235	6.214	6.308	6.229	6.391	6.378	6.260	6.011	6.365	6.305	
1444980	at	Uncut2	BE996518	Mm.234723	18	4.377	4.380	4.333	4.332	4.404	4.374	4.436	4.393	4.390	4.356	4.397	4.336	4.302	4.363	4.461	4.444	4.228	4.393	4.455	4.495	4.394	4.386	4.452	4.375	
1444981	at	NA	BG067286	Mm.41529	9	6.527	6.262	6.494	6.477	6.491	6.278	6.463	6.743	6.561	6.163	6.220	6.344	6.476	6.541	6.413	6.619	6.574	6.436	6.574	6.522	6.492	6.510	6.533	6.515	
1444982	at	NA	BB380551	NA	NA	8.153	8.030	8.197	7.965	7.982	7.929	7.906	7.687	7.691	7.724	8.040	7.748	8.160	7.981	7.992	8.183	7.737	7.776	7.873	7.949	7.717	7.924	7.964	8.086	
1444983	at	NA	BG069944	NA	NA	6.815	6.672	6.834	6.872	6.829	6.840	6.669	6.862	7.059	6.524	6.780	6.788	6.904	6.764	6.734	6.756	6.750	6.870	6.573	6.988	6.857	6.821	6.795	6.797	
1444984	at	C77649	NA	NA	13	6.238	5.882	6.408	6.156	6.056	6.157	6.307	6.177	5.706	6.031	6.249	6.063	5.765	6.045	6.269	6.337	6.318	6.410	6.396	6.482	6.264	6.189	6.643	6.349	
1444985	at	NA	BG069063	NA	NA	8.932	8.783	8.647	8.079	7.643	8.077	7.875	8.189	8.043	8.233	7.518	8.088	8.055	7.733	7.606	8.438	8.300	7.771	7.630	7.871	7.742	7.816	7.641	8.161	
1444986	at	NA	BG068960	NA	NA	4.972	4.922	4.945	5.022	4.960	4.835	4.914	5.027	5.073	4.856	5.111	4.869	4.994	5.045	5.046	4.886	4.970	4.895	4.984	4.921	5.091	4.928	5.701	5.021	
1444987	at	LOC100042978	BG067383	NA	14	8.251	9.029	8.081	8.230	8.361	8.220	7.876	8.156	8.774	8.650	8.499	8.291	8.115	8.402	8.258	7.997	8.187	8.174	8.189	7.954	7.947	8.135	8.186	7.826	
1444988	at	NA	BG068711	NA	NA	4.478	4.587	4.725	4.786	4.429	4.864	4.586	4.529	4.607	4.427	4.666	4.582	4.476	4.646	4.673	4.734	4.414	4.584	4.635	4.849	4.574	4.532	4.709	4.651	
1444989	at	NA	BG067520	NA	NA	7.089	6.687	6.850	6.925	6.794	6.742	6.971	6.867	6.851	6.890	6.888	6.824	6.756	7.046	6.771	6.864	6.874	6.683	6.679	6.998	7.011	6.825	6.971	7.023	
1444990	at	NA	BG067074	NA	NA	6.639	6.006	6.686	6.686	6.703	6.666	6.686	6.590	6.686	6.580	6.699	6.653	6.552	6.625	6.707	6.686	6.676	6.686	6.686	6.686	6.686	6.686	6.686	6.686	
1444991	at	NA	BG069523	NA	NA	6.983	4.903	5.283	4.935	4.942	4.953	4.986	4.777	4.988	5.024	4.777	4.988	5.024	4.777	4.988	5.024	4.777	4.988	5.024	4.777	4.988	5.024	4.777	4.988	
1444992	at	AI120166	BM239362	NA	10	7.234	7.242	7.352	7.285	7.329	7.270	7.157	7.504	7.677	7.436	7.871	7.307	7.341	7.613	7.261	7.488	7.245	7.304	7.228	7.354	7.506	7.588	7.330	7.018	
1444993	at	EG664949	BG071399	Mm.442567	5	4.680	4.729	4.861	5.017	4.722	4.913	4.691	4.800	4.599	4.899	4.877	4.712	4.612	4.903	4.919	5.064	4.775	4.948	4.733	4.925	4.927	4.800	4.941	4.936	
1444994	at	A230038B01Rik	BB172347	Mm.130819	18	4.641	4.664	4.829	4.629	4.697	4.921	4.714	4.595	4.731	4.627	4.533	4.840	4.705	4.591	4.763	4.728	4.683	4.720	4.910	4.722	4.659	4.616	4.743	4.776	
1444995	at	Cdv12	BB199276	Mm.476154	8	6.408	6.106	6.681	6.429	6.385	6.457	6.521	6.101	6.317	6.162	6.546	6.254	6.401	6.308	6.507	6.348	6.423	6.410	6.643	6.712	6.665	6.247	6.430	6.514	
1444996	at	Depdc5	BG067666	Mm.439888	5	6.702	6.539	6.394	6.679	6.727	6.615	6.708	6.645	6.572	6.557	6.725	6.665	6.547	6.622	6.489	6.796	6.520	6.244	6.684	6.498	6.692	6.355	6.590	6.704	
1444997	at	NA	BG071964	NA	NA	7.540	7.318	7.441	7.462	7.489	7.565	7.509	7.397	7.402	7.170	6.737	7.394	7.450	7.495	7.637	7.421	7.348	7.444	7.632	7.665	7.505	7.426	7.698	7.558	
1444998	at	NA	AU012078	NA	NA	10.812	10.361	7.752	7.893	10.493	7.787	7.749	10.493	10.125	7.535	10.493	10.125	7.535	10.493	10.125	7.535	10.493	10.125	7.535	10.493	10.125	7.535	10.493	10.125	
1444999	at	C77651	NA	NA	1	5.561	5.528	5.609	5.558	5.590	5.756	5.544	5.433	5.541	5.553	5.215	5.372	5.724	5.649	5.553	5.645	5.483	5.458	5.568	5.552	5.482	5.380	5.443	5.577	
1445000	at	NA	BG067298	NA	NA	4.489	4.793	4.484	4.596	4.559	4.471	4.592	4.751	4.832	4.351	4.424	4.565	4.588	4.723	4.535	4.455	4.554	4.563	4.457	4.454	4.566	4.752	4.480	4.758	
1445001	at	NA	BG069451	NA	NA	6.345	6.190	6.312	6.351	6.071	6.690	6.298	6.175	5.842	6.107	6.165	6.139	5.900	5.764	6.077	6.287	6.426	6.207	6.350	6.192	6.494	6.695	6.401	6.364	
1445002	at	NA	BG075658	NA	NA	7.700	7.192	7.507	7.638	7.757	7.625	7.563	7.506	7.583	7.343	7.744	7.574	7.411	7.492	7.498	7.601	7.504	7.370	7.598	7.833	7.687	7.421	7.636	7.493	
1445003	at	NA	BB205408	Mm.292517	8	8.505	8.100	8.392	8.467	8.231	8.266	8.374	8.337	8.165	8.313	8.301	8.302	8.219	8.220	8.470	8.098	8.071	8.266	8.321	8.250	8.091	8.314	8.167		
1445004	a at	Pitnmn3	AW822930	Mm.351793	11	5.418	5.162	5.887	5.433	5.218	5.140	5.397	5.434	5.186	5.255	5.317	5.349	5.233	5.227	5.436	5.418	5.023	5.426	5.512	5.600	5.538	5.408	5.463	5.555	
1445005	at	C79491	BG067187	NA	5	8.475	7.854	7.858	7.831	8.475	8.127	8.163	8.206	8.163</																

1445053	at	AU022537	NA	5	3.753	3.831	3.934	3.925	3.771	3.991	3.824	3.831	3.867	3.835	3.894	3.799	3.872	3.661	3.871	3.748	3.891	3.832	3.994	3.865	3.832	3.828	3.809	3.798
1445054	at	NA	BG068663	NA	NA	7.510	7.204	7.612	7.460	7.777	7.565	7.552	7.613	7.364	7.689	7.517	7.274	7.475	7.725	7.537	7.515	7.477	7.679	7.557	7.426	7.454	7.552	7.585
1445055	at	NA	BB169853	NA	NA	3.963	3.804	3.767	3.722	3.698	3.776	3.730	3.684	3.828	3.724	3.825	3.764	3.665	3.775	3.630	3.843	3.765	3.809	3.750	3.749	3.977	3.843	3.800
1445056	at	9230102K24Rik	AV380845	Mm.367727	10	4.941	5.115	4.817	5.067	4.625	4.973	5.225	5.017	5.047	4.985	5.017	5.025	5.151	5.086	4.980	5.080	5.027	5.087	4.922	5.189	5.033	5.150	5.029
1445057	at	C31285	BG066897	NA	2	5.293	5.025	5.552	5.476	5.181	5.430	5.401	5.145	5.272	5.355	5.025	5.094	5.238	5.287	5.140	5.182	5.371	5.411	5.544	5.526	5.380	5.522	5.321
1445058	at	BG071878	NA	NA	6	6.159	5.478	5.885	5.490	5.839	5.921	5.960	5.869	5.820	5.921	6.192	5.690	5.821	5.848	5.888	5.858	5.831	6.151	5.855	5.679	5.879	5.996	
1445059	at	C80435	BG066809	NA	12	5.737	5.474	5.536	5.520	5.364	5.425	5.524	5.493	5.539	5.263	5.387	5.397	5.496	5.470	5.510	5.518	5.403	5.421	5.622	5.594	5.576	5.418	5.621
1445060	at	D5Ert4d70e	BG067592	Mm.436995	5	5.854	6.027	5.727	5.854	5.724	5.624	5.818	5.951	5.682	5.612	5.666	5.749	5.908	5.706	5.731	5.817	5.968	5.751	5.727	5.938	5.884	6.096	
1445061	at	NA	BM941356	NA	NA	3.716	3.787	3.879	3.839	3.920	3.811	3.837	3.875	3.983	3.950	3.922	3.838	3.983	3.889	3.877	3.845	3.856	3.843	3.994	3.913	3.663	3.688	
1445062	at	NA	BB457876	NA	NA	4.829	4.743	4.934	4.654	4.767	4.881	4.711	4.780	4.782	4.804	4.995	4.599	4.676	4.899	4.506	4.876	4.723	4.712	4.925	4.622	4.699	4.795	
1445063	at	D1Ert4d28e	C79034	NA	1	7.412	7.108	7.270	7.370	7.152	7.216	7.419	7.105	7.314	7.105	7.733	6.925	7.208	7.226	7.149	7.404	7.156	7.129	7.351	7.469	7.260	7.211	
1445064	at	Drr1	BG073133	Mm.218676	X	5.795	5.453	5.735	5.804	5.526	5.627	5.717	5.828	5.522	5.392	5.768	5.643	5.502	5.584	5.647	5.784	6.065	5.916	5.775	5.740	5.862	5.949	
1445065	at	NA	BM237637	NA	NA	4.626	4.710	4.826	4.586	4.552	4.509	4.718	4.504	4.600	4.507	4.654	4.582	4.476	4.325	4.589	4.426	4.574	4.576	4.496	4.442	4.439	4.874	
1445066	at	NA	BG069398	NA	NA	5.221	5.153	5.086	5.122	5.404	5.247	5.362	5.110	5.231	4.992	5.262	5.065	5.165	4.997	5.227	5.309	5.262	5.130	5.259	5.163	5.255	5.382	
1445067	at	NA	AW542458	NA	NA	8.179	7.998	8.242	8.298	8.117	8.083	8.159	8.162	8.198	7.916	8.142	8.080	8.259	8.185	8.051	8.322	8.056	8.081	8.182	8.228	8.147	8.033	
1445068	at	Malt1	BM239348	Mm.132613	18	8.001	8.509	8.621	7.499	7.916	7.957	8.569	7.681	7.561	7.931	8.507	7.629	7.506	7.678	7.665	8.516	7.539	7.675	7.527	7.753	7.753	7.634	
1445069	at	NA	BG067348	NA	NA	3.852	3.737	3.739	3.539	3.703	3.817	3.719	3.642	3.647	3.615	3.646	3.655	3.685	3.637	3.689	3.758	3.674	3.573	3.552	3.572	3.811	3.640	
1445070	at	NA	AW122496	NA	NA	8.033	7.492	7.910	7.937	7.857	8.009	8.003	7.939	7.555	7.635	8.038	7.708	7.685	7.745	7.921	8.000	8.017	7.886	7.974	8.184	8.095	7.901	
1445071	at	NA	BG066581	NA	NA	5.436	5.234	5.561	5.258	5.453	5.309	5.302	5.379	5.411	5.129	5.452	5.264	5.226	5.317	5.633	5.360	5.301	5.627	5.361	5.412	5.274	5.342	
1445072	at	NA	AU041696	NA	NA	5.467	5.434	5.288	5.319	5.043	5.328	5.210	5.463	5.240	5.397	5.390	5.229	5.272	5.248	5.240	5.267	5.290	5.306	5.273	5.258	5.401	5.462	
1445073	at	NA	BB345001	NA	NA	5.431	5.532	5.718	5.566	5.419	5.348	5.595	5.579	5.304	5.310	5.456	5.376	5.280	5.618	5.525	5.562	5.483	5.481	5.475	5.481	5.627	5.578	
1445074	at	OTTMUSG000000	BB519491	Mm.126401	7	5.804	5.481	5.985	5.931	5.944	6.012	5.831	5.971	5.931	5.866	5.930	5.928	6.055	5.667	5.818	5.866	6.069	6.183	6.426	6.144	6.033	6.046	
1445075	at	NA	BG070604	NA	NA	4.531	4.403	4.613	4.517	4.422	4.451	4.531	4.490	4.439	4.421	4.486	4.436	4.444	4.273	4.540	4.599	4.414	4.358	4.269	4.446	4.475	4.451	
1445076	at	NA	BG064034	NA	NA	6.219	5.988	6.126	6.106	6.000	6.106	6.152	5.883	5.995	5.804	6.104	5.884	6.102	6.162	6.095	6.191	6.037	6.084	6.245	6.287	6.179	6.083	
1445077	at	NA	BG067122	NA	NA	4.812	4.739	5.067	5.013	4.767	4.925	4.855	4.733	5.033	4.892	5.099	4.872	4.638	5.053	5.163	5.059	5.191	4.968	5.187	5.059	5.341	4.907	
1445078	at	D7Ert4d25e	AU022234	NA	7	6.163	5.830	6.187	6.165	6.242	6.036	6.181	6.205	6.025	6.005	6.325	6.050	6.203	6.280	6.114	6.309	6.172	6.243	6.293	6.239	6.337	6.086	
1445079	at	C315Ert320e	BG072772	Mm.390396	15	7.108	7.235	7.168	7.178	7.567	7.712	7.567	7.721	7.540	7.718	7.618	7.720	7.614	7.618	7.628	7.540	7.628	7.540	7.628	7.540	7.628	7.540	
1445080	at	NA	BG072532	NA	7	6.020	5.632	6.187	6.731	6.098	6.990	6.902	6.710	6.902	6.710	6.902	6.710	6.902	6.710	6.902	6.710	6.902	6.710	6.902	6.710	6.902	6.710	
1445081	at	A930041102Rik	BB335888	Mm.204836	2	6.366	6.672	6.403	6.703	6.996	6.695	6.832	7.329	6.751	6.779	6.730	7.288	7.259	6.780	7.025	6.448	7.013	6.942	7.234	6.630	6.605	6.881	
1445082	at	NA	BB390006	NA	NA	6.526	6.345	6.510	6.561	6.468	6.524	6.669	6.407	6.441	6.351	6.219	6.483	6.423	6.409	6.651	6.290	6.462	6.524	6.474	6.956	6.568	6.504	
1445083	at	NA	BE954489	NA	NA	5.491	5.778	5.618	5.705	5.495	5.528	5.735	5.705	5.678	5.412	5.825	5.513	5.588	5.547	5.531	5.636	5.504	5.628	5.694	5.674	5.437	5.716	
1445084	at	NA	BG069039	NA	NA	4.691	4.614	4.706	4.693	4.464	4.450	4.660	4.743	4.843	4.704	4.745	4.565	4.951	4.651	4.587	4.612	4.564	4.613	4.643	4.694	4.776	4.755	
1445085	at	NA	BG072331	NA	NA	4.216	4.183	4.018	4.211	4.200	4.222	4.201	4.206	4.277	4.216	4.179	4.088	4.217	4.100	4.176	4.100	4.569	4.459	4.222	4.323	4.283	4.195	
1445086	at	NA	BG072243	NA	NA	4.271	4.183	4.244	4.227	4.140	4.311	4.445	4.227	4.192	4.165	4.056	4.111	4.131	4.240	4.198	4.072	4.247	4.214	4.313	4.119	4.338	4.295	
1445087	at	NA	BG074907	NA	NA	4.490	4.374	4.405	4.924	4.099	4.902	4.902	4.549	4.351	4.448	4.526	4.448	4.526	4.448	4.526	4.448	4.526	4.448	4.526	4.448	4.526	4.448	
1445088	at	NA	B1076662	NA	NA	5.367	5.336	5.363	5.294	5.343	5.233	5.344	5.639	5.488	5.105	5.471	5.416	5.591	5.383	5.435	5.288	5.510	5.221	5.436	5.430	5.653	5.602	
1445089	at	D16Ert4d778e	BG069671	NA	16	3.960	3.709	4.004	3.962	3.876	3.998	4.015	3.833	3.588	3.831	3.929	3.790	3.807	3.660	3.878	3.836	4.090	3.864	3.975	4.091	3.905	3.884	
1445090	at	NA	BG075351	NA	NA	6.452	6.208	6.460	6.639	6.440	6.456	6.425	6.565	6.389	6.375	6.529	6.405	6.535	6.291	6.497	6.555	6.470	6.325	6.431	6.389	6.525	6.678	
1445091	at	Atr	BB476677	Mm.212462	9	6.648	6.752	6.821	6.639	6.756	6.994	6.992	6.800	6.620	7.068	6.883	6.674	6.854	6.742	6.784	6.677	6.885	6.608	6.995	6.849	6.668	6.895	
1445092	at	NA	AW557930	NA	NA	6.020	5.977	6.146	6.124	6.073	6.057	6.169	6.198	5.960	5.998	6.105	6.075	6.080	5.955	6.082	6.280	6.370	6.225	6.282	6.149	6.166	6.325	
1445093	at	NA	AU042506	NA	NA	6.660	6.520	6.656	6.570	6.476	6.439	6.704	6.860	6.696	6.798	6.746	6.579	6.660	6.676	6.681	6.737	6.760	6.902	6.391	6.732	6.748	6.925	
1445094	at	D19Ert4d44e	BM390006	Mm.394832	19	5.018	4.718	4.805	4.800	5.638	4.701	4.835	4.724	4.701	4.835	4.724	4.701	4.835	4.724	4.701	4.835	4.724	4.701	4.835	4.724	4.701	4.835	
1445095	at	NA	BG067162	NA	NA	5.064	5.687	5.545	5.035	5.879	5.587	5.788	5.965	5.872	5.786	5.811	5.541	5.949	5.997	5.576	5.929	5.908	5.941	5.953	5.963	5.959	6.030	
1445096	at	NA	BG068484	NA	NA	5.610	5.297	5.443	5.476	5.297	5.242	5.379	5.617	5.455	5.300	5.555	5.350	5.464	5.466	5.246	5.415	5.492	5.580	5.489	5.505	5.287	5.310	
1445097	at	NA	B1076698	NA	NA	6.320	5.924	6.207	6.154	6.172	6.042	6.157	6.095															

1445142	at	NA	BB551060	NA	NA	6.702	6.237	6.644	6.282	6.312	6.544	6.623	6.139	6.155	6.128	6.371	5.967	6.405	6.375	6.375	6.627	6.605	6.458	6.557	6.674	6.408	6.394	6.565	6.680
1445143	at	Vash1	BM117872	MM.216101	12	7.592	8.146	7.321	7.780	7.676	7.484	7.357	7.740	7.917	7.970	8.372	8.047	7.685	7.976	7.761	7.543	7.756	7.469	7.413	7.526	7.568	7.462	7.692	7.148
1445144	at	NA	BG072125	NA	NA	7.762	7.517	7.846	7.940	7.885	7.741	7.827	7.984	7.978	7.895	7.942	7.765	7.919	7.801	7.809	7.857	7.939	7.890	7.933	7.908	7.987	7.882	7.916	7.789
1445145	at	NA	BG071268	NA	NA	6.623	6.207	6.581	6.409	6.477	6.656	6.664	6.397	6.357	6.357	6.470	6.487	6.518	6.681	6.405	6.582	6.854	6.422	6.641	6.630	6.596	6.633	6.736	6.727
1445146	at	B230219N05Rik	BQ240990	MM.447142	7	6.472	6.477	6.361	6.479	6.241	6.250	6.383	6.349	6.128	6.303	6.415	6.270	6.376	6.264	6.394	6.288	6.287	6.410	6.387	6.410	6.246	6.189	6.370	6.373
1445147	at	Psmef4	BB226416	MM.475978	11	8.055	7.796	8.212	8.110	8.047	8.884	8.460	7.936	7.540	7.722	7.752	7.928	7.509	7.578	8.042	8.108	8.001	8.005	8.117	8.363	8.167	8.309	8.204	8.905
1445148	at	NA	BB041366	NA	NA	7.714	7.368	7.743	7.795	7.880	7.679	7.472	7.726	7.754	7.561	7.248	7.931	8.018	7.263	7.703	7.849	7.600	7.517	7.351	7.535	7.396	7.709	7.533	7.382
1445149	at	Pvr	BB474318	MM.227506	7	5.527	5.355	5.468	5.403	5.439	5.515	5.624	5.276	5.613	5.437	5.655	5.192	5.223	5.272	5.331	5.569	5.202	5.626	5.352	5.356	5.376	5.513	5.506	5.389
1445150	at	LOC100039359	BB376789	NA	5	5.806	5.597	5.579	5.704	5.630	5.683	5.526	5.760	5.437	5.609	5.864	5.657	5.725	5.815	5.592	5.505	5.668	5.631	5.614	5.568	5.702	5.513	5.809	5.706
1445151	at	Mtf2	BB377000	MM.257149	5	7.167	6.896	7.038	7.137	7.199	7.075	7.062	7.147	7.161	6.939	7.280	6.965	7.030	7.295	6.924	7.124	7.041	6.971	7.146	7.064	7.056	6.907	7.089	7.058
1445152	at	NA	BG071171	NA	NA	6.105	6.187	6.239	5.920	6.204	6.394	6.320	6.201	6.412	6.547	6.422	6.259	6.495	6.511	6.481	6.257	6.112	6.120	6.318	6.306	6.432	6.379	6.262	6.301
1445153	at	NA	BG071218	NA	NA	6.620	6.729	6.933	7.092	7.145	7.065	7.132	6.820	6.844	6.998	6.582	6.943	6.833	6.741	6.963	7.083	7.277	7.243	6.907	7.206	7.179	7.227	7.139	6.801
1445154	at	NA	BQ170374	NA	NA	5.211	5.190	5.015	5.233	5.058	5.195	5.337	4.876	5.220	5.224	5.219	5.292	5.186	5.438	5.212	5.266	5.236	5.307	5.258	5.175	5.312	5.038	5.058	
1445155	at	NA	BE991137	NA	NA	4.834	4.583	5.037	4.869	4.718	4.747	4.861	4.725	5.003	4.716	4.555	4.594	4.726	5.030	4.871	4.910	4.721	4.644	4.721	4.826	4.837	4.585	5.050	4.830
1445156	at	C81001	BG066928	NA	1	5.601	5.498	5.509	5.644	5.487	5.567	5.586	5.464	5.403	5.318	5.532	5.380	5.246	5.486	5.636	5.602	5.599	5.481	5.558	5.532	5.400	5.517	5.703	5.588
1445157	at	NA	BG069431	NA	NA	4.840	4.962	4.950	4.864	4.886	5.191	4.858	4.938	4.998	4.771	4.894	4.782	4.684	4.858	4.853	4.958	4.777	4.827	4.663	5.009	4.822	4.769	4.800	4.775
1445158	at	Sypl	AV229887	MM.246304	12	6.180	5.668	5.720	5.746	5.810	5.760	5.830	5.731	5.607	5.641	5.777	5.746	5.700	5.704	5.853	5.815	5.764	5.557	5.803	5.825	5.680	6.006	5.840	5.916
1445159	at	NA	BG074947	NA	NA	5.371	5.324	5.243	5.515	5.549	5.355	5.265	5.198	5.352	5.175	5.364	5.114	5.161	5.331	5.436	5.389	5.201	5.268	5.518	5.532	5.458	5.077	5.261	5.318
1445160	at	Nav3	BB639193	MM.225050	10	4.144	4.039	4.050	4.129	4.035	4.217	4.245	4.122	4.257	4.506	4.273	4.211	4.388	4.108	4.256	4.119	4.181	4.220	4.116	4.534	4.118	3.978	4.320	3.821
1445161	at	Usp6nl	BE952061	MM.40673	2	8.122	7.876	8.000	8.067	8.078	8.058	8.057	8.234	8.039	8.002	8.138	7.994	8.043	7.994	8.002	7.926	8.036	7.977	8.008	7.997	7.922	8.268	8.186	8.165
1445162	at	NA	C80261	NA	NA	4.724	4.393	4.653	4.356	4.453	4.732	4.671	4.566	4.413	4.347	4.692	4.396	4.426	4.490	4.555	4.580	4.537	4.659	4.589	4.744	4.531	4.407	4.706	4.752
1445163	at	NA	BG071767	NA	NA	4.314	4.040	4.174	4.368	4.264	4.156	4.245	4.477	4.260	4.123	4.431	4.308	4.331	4.298	4.301	4.392	4.520	4.431	4.277	4.410	4.355	4.194	4.349	4.342
1445164	at	NA	A1448729	NA	NA	4.390	4.461	4.266	4.457	4.213	4.363	4.246	4.186	4.393	4.478	4.206	4.170	4.028	4.172	4.242	4.387	4.281	4.190	4.325	4.142	4.209	4.298	4.498	4.279
1445165	at	NA	BM194850	NA	NA	6.680	6.572	6.827	6.668	6.582	6.635	6.636	6.500	6.560	6.480	6.655	6.529	6.739	6.733	6.572	6.747	6.599	6.642	6.685	6.580	6.481	6.540	6.641	6.654
1445166	at	NA	BG066731	NA	NA	5.367	4.965	4.987	5.099	5.156	5.017	5.225	5.391	5.233	5.121	5.294	5.038	5.292	5.145	5.169	5.130	5.196	4.987	5.269	5.716	5.097	5.102	5.396	5.193
1445167	at	9630001P10Rik	BM899023	MM.402857	5	5.064	4.983	4.962	4.956	4.786	4.744	5.044	4.858	4.883	4.749	4.950	4.782	4.983	4.872	4.810	4.922	4.914	4.877	4.996	5.067	4.924	4.999	4.858	4.878
1445168	at	NA	BG069844	NA	NA	5.438	5.351	5.341	5.354	5.168	5.254	5.478	5.178	5.285	5.406	5.103	5.182	5.211	5.211	5.211	5.211	5.211	5.211	5.211	5.211	5.211	5.211	5.211	5.211
1445169	at	NA	BM232503	NA	NA	7.718	7.625	7.651	7.785	7.765	7.513	7.682	7.747	7.513	7.682	7.747	7.513	7.682	7.747	7.513	7.682	7.747	7.513	7.682	7.747	7.513	7.682	7.747	7.513
1445170	at	2700012102Rik	AW488844	MM.70350	9	5.717	5.636	5.848	5.774	5.784	5.770	5.908	5.786	5.966	5.363	5.816	5.793	5.842	5.792	5.333	5.576	5.767	5.752	5.961	5.735	5.831	5.932	5.769	5.925
1445171	at	A230107C01Rik	BB182467	MM.349382	7	5.764	5.178	5.618	5.452	5.362	5.447	5.519	5.495	5.497	5.618	5.356	5.435	5.519	5.506	5.705	5.623	5.594	5.484	5.531	5.654	5.695	5.261	5.653	5.578
1445172	at	Lgt1	BG078988	MM.276294	1	5.207	4.891	4.533	4.466	5.219	5.247	5.290	5.324	5.256	5.155	5.378	5.293	5.207	5.098	5.099	5.340	5.286	5.198	5.517	5.133	5.739	5.313	5.290	5.261
1445173	at	AK129341	BF472675	MM.101341	9	5.179	4.924	5.062	4.817	5.042	5.197	5.099	5.042	4.850	4.927	4.898	5.141	5.075	5.084	5.110	5.086	4.992	5.134	5.020	5.175	4.836	4.890	5.044	5.089
1445174	at	NA	BG071676	NA	NA	3.613	3.688	3.675	3.593	3.601	3.545	3.518	3.709	3.592	3.555	3.541	3.637	3.759	3.568	3.673	3.705	3.632	3.700	3.695	3.587	3.673	3.651	3.557	3.679
1445175	at	100042940	BB536129	MM.387088	13	7.648	7.098	7.605	7.696	7.505	7.386	7.721	7.562	7.390	7.479	7.614	7.599	7.578	7.684	7.569	7.551	7.448	7.671	7.523	7.670	7.442	7.503	7.820	7.662
1445176	at	NA	AU02287	NA	NA	5.345	4.958	5.460	5.399	4.232	5.055	5.051	4.352	5.321	4.958	5.348	4.998	4.971	4.972	5.002	5.148	5.192	5.049	5.148	5.092	5.149	5.092	5.149	5.092
1445177	at	NA	B326263	NA	NA	5.738	5.589	5.858	5.984	5.790	5.826	5.861	5.804	5.692	5.558	5.770	5.736	5.640	5.670	5.701	6.080	5.949	5.847	5.898	5.986	5.793	5.929	5.988	5.853
1445178	at	Sh3r1	BG072612	MM.27949	8	5.886	6.166	6.289	6.017	6.462	6.105	6.173	6.000	6.716	6.432	6.291	6.306	6.856	6.212	6.132	6.244	5.938	6.186	6.240	5.948	6.240	5.948	6.240	5.950
1445179	at	D10Erd494e	AU021764	NA	10	4.614	4.560	4.766	4.812	4.755	4.984	4.809	4.757	4.662	4.576	4.681	4.668	4.670	4.789	4.789	4.808	4.771	4.818	4.685	4.770	4.805	4.744	4.766	4.834
1445180	at	Srd5a3	BF465195	MM.289446	5	7.030	6.850	7.015	6.978	6.968	6.959	6.995	7.102	7.186	6.948	7.015	7.009	7.016	7.008	7.027	7.273	6.856	7.120	7.058	7.310	7.036	6.868	7.700	7.017
1445181	at	Emi5	BM225233	MM.390484	12	6.944	6.767	6.968	7.052	6.957	7.057	7.057	6.902	6.653	6.695	6.961	6.514	6.917	6.743	6.943	6.941	6.965	6.962	7.013	7.118	6.957	7.225	6.905	7.238
1445182	at	NA	BG071621	NA	NA	5.180	5.181	5.430	5.266	5.248	5.176	5.201	5.342	5.038	4.987	5.381	5.175	5.391	5.165	5.072	5.442	5.156	5.058	5.422	5.289	5.235	5.092	5.226	5.390
1445183	s at	D7Erd523e	BM182467	MM.349382	7	6.272	6.127	6.127	6.127	6.187	6.187	6.187																	

1445231	at	NA	BG070752	NA	NA	7.809	7.466	7.638	7.677	7.598	7.504	7.683	7.577	7.369	7.472	7.717	7.510	7.689	7.743	7.667	7.723	7.639	7.657	7.697	7.783	7.660	7.411	7.766	7.702
1445232	at	Dock9	BG071939	MM.411054	14	6.018	5.952	5.905	5.973	6.140	5.886	5.856	6.087	6.047	5.800	5.861	5.993	5.976	5.935	5.883	5.866	6.076	5.946	5.922	5.984	5.987	5.975	5.988	6.181
1445233	at	Rhbd12	BM120331	Mm.37334	4	5.669	5.640	5.640	5.639	5.588	5.627	5.658	5.613	5.665	5.421	5.530	5.601	5.594	5.689	5.366	5.540	5.664	5.571	5.617	5.663	5.811	5.661	5.600	5.865
1445234	at	C130030K03Rik	BB280585	Mm.185993	10	5.124	4.948	5.099	4.984	5.068	5.080	5.017	5.050	5.268	4.967	5.105	5.018	5.009	5.003	5.100	5.042	5.168	5.078	5.029	5.333	4.991	5.022	5.152	5.079
1445235	at	NA	BB154357	NA	NA	6.365	6.330	6.427	6.335	6.160	6.262	6.114	6.271	6.642	6.083	5.848	6.027	6.145	6.201	6.508	6.093	6.306	6.493	6.531	6.255	6.073	6.708	6.567	
1445236	at	NA	BG069718	NA	NA	5.357	4.834	5.129	5.205	4.792	4.916	5.104	5.055	4.995	4.752	5.008	4.797	4.883	4.855	4.931	5.330	4.967	5.123	4.981	5.164	4.974	4.725	5.143	5.161
1445237	at	NA	BG071753	NA	NA	4.341	4.318	4.635	4.427	4.439	4.454	4.442	4.453	4.253	4.255	4.664	4.301	4.482	4.373	4.596	4.446	4.584	4.609	4.575	4.365	4.453	4.505	4.500	
1445238	at	NA	BB239244	NA	NA	7.092	6.453	6.905	7.258	6.746	7.140	7.142	6.938	6.791	6.723	7.175	6.723	6.994	7.063	6.856	7.208	6.495	6.822	6.823	7.207	7.067	6.782	6.949	7.230
1445239	at	Gatad2a	BG066348	Mm.270044	8	8.227	8.065	8.088	8.178	8.246	8.211	8.192	8.293	8.220	8.185	8.281	8.209	8.061	7.892	8.194	8.180	8.081	8.189	8.140	8.250	8.411	8.128	8.356	8.125
1445240	at	AAU019796	BG069568	NA	13	6.386	6.106	6.329	6.424	6.245	6.200	6.309	6.326	6.283	6.116	6.411	6.071	6.160	6.107	6.247	6.464	6.266	6.027	6.384	6.537	6.416	6.110	6.525	6.225
1445241	at	Rab11fip4	BB328987	Mm.130656	11	5.561	5.276	5.521	5.389	5.256	5.414	5.433	5.443	5.415	5.289	5.455	5.441	5.379	5.366	5.371	5.479	5.471	5.422	5.407	5.440	5.558	5.397	5.483	5.488
1445242	at	NA	B0176629	Mm.246682	X	7.484	7.274	7.525	7.449	4.776	7.612	7.614	7.737	7.400	7.266	7.556	7.286	7.427	7.542	7.456	7.564	7.492	7.529	7.478	7.743	7.539	7.618	7.547	7.471
1445243	at	Gyk	BG068239	NA	10	6.223	6.106	6.095	6.135	6.143	6.149	6.025	6.166	6.144	5.931	6.265	5.902	6.120	6.195	5.939	6.117	6.254	6.181	5.970	6.270	6.618	6.087	5.913	6.097
1445244	at	Tm2d1	BG066660	Mm.331719	4	6.409	6.326	6.377	6.480	6.499	6.242	6.557	6.465	6.451	6.233	6.344	6.293	6.269	6.478	6.365	6.433	6.376	6.622	6.623	6.501	6.583	6.452	6.312	6.325
1445245	at	B130065D12Rik	BB455609	NA	19	4.933	4.608	5.108	4.891	4.946	5.028	4.972	4.841	4.846	4.711	5.121	4.897	4.828	4.965	5.185	5.159	4.809	4.962	4.893	4.955	4.923	4.811	5.231	4.953
1445246	at	Gfm2	AI427465	Mm.219675	13	5.892	5.886	5.919	5.784	5.965	5.680	5.908	5.865	6.098	5.862	5.856	5.868	5.939	6.085	5.890	5.899	5.794	5.892	5.930	5.942	5.829	5.916	5.890	5.996
1445247	at	CS30044C16Rik	BB424956	Mm.311454	6	5.270	4.975	5.137	4.996	5.191	5.022	5.142	5.080	5.272	5.063	5.140	5.157	5.255	5.079	4.965	5.011	5.210	4.988	5.248	5.205	5.110	5.000	5.273	4.907
1445248	at	NA	BG074862	NA	NA	7.126	6.920	7.114	7.035	6.986	7.034	7.048	6.916	7.198	7.070	7.102	7.092	7.221	7.101	6.989	7.035	7.087	7.048	6.966	7.140	7.146	6.886	7.029	7.143
1445249	at	NA	BG069043	NA	NA	3.981	3.754	3.855	3.795	3.922	3.977	3.785	3.703	3.846	3.825	3.757	3.862	4.005	3.779	4.048	3.729	3.767	3.852	3.701	3.898	3.960	3.821	3.833	3.752
1445250	at	NA	BG068108	NA	NA	5.733	5.435	5.460	5.437	5.591	5.476	5.435	5.502	5.563	5.535	5.661	5.522	5.693	5.606	5.478	5.514	5.568	5.074	5.687	5.604	5.428	5.291	5.744	5.499
1445251	at	Tnfrs13b	BG079466	Mm.28835	8	6.995	6.648	6.936	6.904	6.833	6.879	7.096	6.908	6.785	6.590	7.312	6.600	6.871	6.798	7.139	6.911	6.958	6.727	7.034	7.119	6.939	6.906	7.045	6.780
1445252	at	Kremen1	BB373408	Mm.209989	11	7.697	7.111	7.523	7.023	7.116	7.059	7.412	7.051	7.146	7.344	7.330	7.213	7.168	6.947	7.443	7.540	7.126	7.036	7.077	7.025	7.358	7.211	7.621	7.833
1445253	at	NA	BB278285	NA	NA	6.869	6.677	6.775	6.788	6.662	6.737	6.740	6.872	6.824	6.867	6.848	6.773	6.875	6.931	6.768	6.683	6.887	6.524	6.684	6.753	6.686	6.712	6.778	6.600
1445254	at	NA	BB151417	NA	NA	4.889	4.574	4.619	4.741	4.955	4.619	4.673	4.950	4.851	4.820	4.792	4.723	4.761	4.735	4.742	4.770	4.922	4.689	4.829	4.646	4.723	4.748	4.636	4.714
1445255	at	Rappgef5	BB536074	Mm.227642	12	6.393	6.206	6.156	6.259	5.867	6.105	6.138	6.257	6.407	6.021	6.194	6.148	6.321	6.145	6.011	6.251	6.287	6.134	6.133	6.323	6.316	6.272	6.313	6.226
1445256	at	NA	BM238599	NA	NA	7.131	7.388	6.790	6.458	7.125	6.794	7.049	6.082	6.620	6.732	6.902	6.273	6.478	6.367	6.499	6.903	6.062	6.245	6.338	6.814	6.160	6.110	7.108	6.732
1445257	at	AU022531	BB128521	NA	5	6.025	5.807	6.362	6.287	6.851	6.821	6.868	6.114	6.273	6.320	6.389	6.448	6.320	6.368	6.336	6.376	6.398	6.386	6.326	6.376	6.668	6.368	6.618	6.905
1445258	at	100043554	BB051616	Mm.461395	14	6.121	6.942	6.141	6.137	6.920	6.617	7.101	6.083	6.133	5.747	7.007	6.002	6.263	6.478	6.298	6.421	6.925	6.343	6.122	6.546	6.357	6.140	6.623	6.113
1445259	at	Scn2a1	BE955837	Mm.220329	2	5.740	5.749	5.837	5.853	5.894	5.743	5.770	5.732	5.776	5.583	5.934	5.609	5.835	5.686	5.792	5.842	5.839	5.793	5.798	5.754	5.708	5.591	5.768	5.668
1445260	at	Dundc1	BG029606	Mm.379305	3	7.848	7.776	7.759	7.707	7.836	7.736	7.511	7.483	7.372	7.385	7.434	7.433	7.286	7.175	7.571	7.634	7.635	7.641	7.490	7.750	7.400	7.746	7.896	7.421
1445261	at	D17Ertd763e	AU019854	NA	17	5.400	5.141	5.331	5.413	5.243	5.220	5.316	5.185	5.136	5.180	5.400	5.039	5.190	5.227	5.230	5.279	5.301	5.207	5.215	5.301	5.309	5.166	5.259	5.171
1445262	at	NA	AV283843	NA	NA	5.932	5.795	5.934	5.823	5.756	5.681	5.942	5.979	5.879	5.884	5.848	5.586	5.944	5.867	5.853	5.880	5.809	5.589	5.792	5.837	5.896	5.854	5.754	5.970
1445263	at	NA	BF148780	NA	NA	8.308	8.090	8.207	8.339	8.239	8.289	8.252	8.043	8.287	8.184	8.134	8.085	8.325	8.243	8.155	8.254	8.242	8.183	8.105	8.217	8.304	8.273	8.007	8.454
1445264	at	Catsper2	BB484902	Mm.384318	2	7.875	7.572	7.785	7.662	7.536	7.654	7.709	7.614	7.528	7.621	7.610	7.542	7.609	7.461	7.576	7.854	7.590	7.778	7.679	7.721	7.639	7.548	7.824	7.736
1445265	at	NA	BB584385	NA	NA	6.307	6.195	6.398	6.109	6.311	6.068	6.151	6.285	6.229	6.093	6.265	6.052	6.043	6.264	6.363	6.185	6.095	6.207	6.185	6.048	6.069	5.444	6.329	5.444
1445266	at	Erc1	AW538613	Mm.280913	7	5.263	5.069	5.386	5.429	5.190	5.300	5.280	5.246	5.305	5.055	5.323	5.379	5.290	5.451	5.264	5.429	5.231	5.312	5.286	5.289	5.297	5.261	5.242	5.273
1445267	at	NA	BE691716	NA	NA	5.063	5.391	5.543	5.332	5.286	5.226	5.276	5.150	5.197	5.601	5.274	5.285	5.231	5.265	5.310	5.383	5.573	5.327	5.146	5.308	5.308	5.440	5.630	5.255
1445268	at	NA	AW555049	NA	NA	7.000	6.811	6.854	6.781	6.685	6.675	6.766	7.075	6.661	6.791	6.634	7.052	7.099	6.846	7.145	6.644	6.912	6.717	6.859	6.668	7.109	6.840	6.936	6.836
1445269	at	NA	BB158104	NA	NA	5.986	5.717	5.737	5.850	5.516	5.915	5.879	5.803	5.846	5.568	5.794	5.676	5.553	5.704	5.676	5.553	6.023	5.797	6.057	5.764	5.901	5.946	5.518	5.970
1445270	at	NA	BB475766	NA	NA	6.912	6.780	7.056	7.113	6.845	7.277	6.992	6.899	6.778	6.967	6.842	6.743	7.066	6.946	6.991	7.115	7.028	7.258	7.123	7.201	6.946	7.164	7.042	7.050
1445271	at	B230105E10Rik	BB433710	Mm.425502	7	4.332	4.224	4.487	4.167	4.383	4.298	4.611	4.294	4.319	4.469	4.393	4.415	4.376	4.430	4.638	4.348	4.094	4.366	4.440	4.538	4.151	4.431	4.242	4.465
1445272	at	NA	BB728425	NA	NA	4.148	3.792	4.702	4.096	4.907	4.620	4.908	4																

1445320	at	NA	BB454719	NA	NA	4.996	5.371	5.127	5.174	5.405	5.111	5.072	5.366	5.202	4.937	5.241	5.359	5.343	5.267	5.337	5.105	5.065	5.189	5.432	5.551	5.373	5.281	5.394	5.426
1445321	at	NA	BG063377	NA	NA	5.137	5.429	5.450	5.368	5.473	5.165	5.225	5.099	5.313	5.363	5.211	5.122	5.450	5.270	5.339	5.308	5.384	5.305	5.270	5.242	5.222	5.321	5.349	5.394
1445322	x at	NA	BG063377	NA	NA	5.144	8.051	8.244	8.382	8.357	8.436	8.231	7.642	8.188	8.186	7.602	8.252	7.945	8.115	8.111	8.262	7.745	8.170	7.930	8.281	7.815	7.910	8.436	8.237
1445323	at	NA	BB444784	MM.466550	12	7.018	6.407	6.941	6.572	6.360	6.896	6.895	6.492	6.372	6.374	6.649	6.367	6.470	6.666	6.704	6.767	6.689	6.871	6.803	6.920	6.636	6.466	6.458	6.693
1445324	s at	NA	BB444784	MM.466550	12	6.605	6.396	6.458	6.752	6.345	6.381	6.723	6.459	6.185	6.138	6.327	6.289	6.401	6.337	6.369	6.633	6.589	6.461	6.334	6.613	6.589	6.566	6.621	6.529
1445325	at	NA	BE981248	NA	NA	7.665	7.302	7.433	7.521	7.507	7.462	7.377	7.398	7.209	7.550	7.355	7.532	7.305	7.280	7.336	7.569	7.345	7.402	7.485	7.537	7.442	7.485	7.537	7.347
1445326	at	NA	BK106803	MM.1511931	5	7.429	7.098	7.180	7.405	7.375	7.325	7.367	7.435	7.246	7.301	7.272	7.161	7.257	7.289	7.413	7.395	7.243	7.142	7.347	7.426	7.350	7.218	7.371	7.111
1445327	at	NA	BB559411	NA	NA	7.336	6.695	7.064	7.098	6.845	6.863	6.924	6.979	6.816	6.552	6.943	6.779	6.830	6.776	6.735	7.116	6.955	6.646	6.960	6.992	6.936	6.869	6.754	6.823
1445328	at	NA	Col4a4	MM.40253	1	7.568	7.457	8.068	8.143	8.351	8.359	8.259	8.528	7.657	8.055	8.240	8.885	8.292	7.830	8.705	7.889	8.466	8.639	8.626	8.367	8.426	8.703	8.222	8.259
1445329	at	NA	Dtnb	MM.286202	12	6.734	6.421	6.580	6.465	6.483	6.539	6.500	6.355	6.539	6.514	6.398	6.374	6.523	6.236	6.475	6.767	6.585	6.484	6.520	6.704	6.661	6.585	6.625	6.557
1445330	at	NA	BG916492	MM.263177	2	7.713	7.574	7.473	7.644	7.506	7.519	7.567	7.302	7.554	7.501	7.581	7.413	7.581	7.646	7.612	7.559	7.712	7.529	7.579	7.574	7.682	7.349	7.526	7.722
1445331	at	NA	BG071823	NA	NA	6.685	6.140	6.550	6.292	6.234	6.313	6.401	6.273	6.087	6.050	6.364	6.041	6.191	6.149	6.222	6.376	6.278	6.219	6.279	6.599	6.523	6.004	6.473	6.153
1445332	at	NA	AV232305	NA	NA	5.180	5.159	5.030	5.164	5.046	5.027	5.169	5.190	5.063	5.023	5.134	4.936	5.067	5.155	5.044	5.084	5.197	5.093	5.070	5.059	5.145	5.052	5.134	4.988
1445333	at	NA	BG066013	NA	NA	6.090	5.840	6.158	5.955	6.252	5.863	5.951	5.943	5.927	5.761	5.992	5.912	5.979	5.767	6.060	6.081	5.945	5.908	5.962	5.955	5.967	5.788	5.900	5.938
1445334	at	NA	L700047171Rik1	MM.439875	12	6.326	6.389	5.917	6.091	6.400	6.016	5.929	6.696	6.833	6.509	6.203	6.722	6.568	6.272	6.322	5.986	6.448	6.351	6.294	5.939	6.385	6.595	5.934	6.179
1445335	at	NA	BG066381	MM.439875	17	6.326	6.389	5.917	6.091	6.400	6.016	5.929	6.696	6.833	6.509	6.203	6.722	6.568	6.272	6.322	5.986	6.448	6.351	6.294	5.939	6.385	6.595	5.934	6.179
1445336	at	NA	LOC100048251	MM.217256	9	6.601	6.394	6.506	6.442	6.269	6.465	6.381	6.355	6.389	6.355	6.184	6.212	6.398	6.415	6.432	6.383	6.357	6.635	6.457	6.540	6.482	6.311	6.336	6.454
1445337	at	NA	Dnaic13	MM.217256	9	8.516	8.667	8.497	8.546	8.446	8.538	8.532	8.545	8.521	8.475	8.422	8.446	8.650	8.553	8.669	8.490	8.468	8.414	8.479	8.486	8.521	8.580	8.414	8.399
1445338	at	NA	BH446263	NA	NA	7.185	7.078	7.138	7.243	7.354	7.241	7.214	7.485	7.045	7.235	7.146	7.433	7.418	7.237	7.279	7.141	7.225	7.195	7.292	7.231	7.253	7.352	7.373	7.096
1445339	at	NA	Cnaa4	MM.99556	7	5.331	5.097	5.346	5.248	5.179	5.162	5.267	5.273	5.226	5.087	5.308	5.315	5.065	4.993	5.223	5.303	5.389	5.172	5.296	5.372	5.286	5.138	5.325	5.134
1445340	at	NA	BB156822	MM.6478	14	6.897	6.579	6.814	6.670	6.531	7.007	6.875	6.751	6.426	6.546	6.488	6.709	7.232	6.843	6.830	6.905	6.436	6.501	6.719	6.602	6.449	6.738	6.579	6.604
1445341	at	NA	BG074147	NA	NA	5.032	5.121	5.275	4.884	4.907	5.046	5.171	5.253	4.907	4.901	4.954	4.949	4.796	4.965	4.947	5.193	4.854	4.867	5.061	5.010	4.928	5.003	5.215	5.049
1445342	at	NA	AV338249	NA	NA	3.682	3.651	3.616	3.540	3.661	3.703	3.581	3.492	3.671	3.652	3.765	3.508	3.640	3.953	3.620	3.632	3.837	3.604	3.722	3.841	3.624	3.426	3.753	3.739
1445343	at	NA	Tmed5	MM.363960	5	6.040	6.059	5.978	6.056	5.883	6.009	5.970	5.996	5.939	6.068	5.854	5.886	5.834	6.041	5.889	6.052	5.965	5.923	5.995	6.009	6.108	6.106	6.002	6.009
1445344	at	NA	BB451019	NA	NA	7.246	6.895	7.265	7.207	7.118	7.084	7.228	7.148	7.144	6.933	7.190	6.889	7.132	7.091	7.154	7.111	7.033	7.127	7.173	7.334	7.037	7.009	7.127	7.082
1445345	at	NA	BM246527	NA	NA	7.602	7.464	7.658	7.628	7.787	7.585	7.668	7.488	7.347	7.476	7.516	7.453	7.459	7.524	7.653	7.791	7.745	7.456	7.734	7.597	7.604	7.374	7.580	7.575
1445346	at	NA	BB443503	MM.461107	4	5.768	5.596	5.645	5.756	5.396	5.577	5.625	5.384	5.683	5.575	5.316	5.585	5.925	5.316	5.585	5.704	5.684	5.653	5.684	5.653	5.684	5.580	5.620	5.646
1445347	at	NA	100039332	MM.461107	4	5.768	5.596	5.645	5.756	5.396	5.577	5.625	5.384	5.683	5.575	5.316	5.585	5.925	5.316	5.585	5.704	5.684	5.653	5.684	5.653	5.684	5.580	5.620	5.646
1445348	at	NA	Cdc40	MM.46063	10	4.575	4.559	4.462	4.591	4.630	4.663	4.707	4.613	4.717	4.576	4.558	4.635	4.647	4.762	4.529	4.648	4.867	4.664	4.619	4.888	4.641	4.475	4.544	4.556
1445349	at	NA	BB536254	NA	NA	4.966	4.663	4.908	4.863	4.746	4.858	4.788	4.865	4.866	4.824	4.729	4.735	4.837	4.811	4.826	4.895	5.116	4.950	4.804	4.888	4.880	4.766	5.029	4.931
1445350	at	NA	BM942607	NA	NA	7.171	6.888	6.780	7.260	7.087	7.072	6.961	6.977	6.985	6.972	7.025	6.817	6.758	6.915	6.911	6.923	6.831	7.045	7.040	7.107	7.142	6.998	7.211	7.210
1445351	at	NA	UA030111	NA	NA	6.358	6.396	6.792	6.569	6.368	6.691	6.466	6.255	5.857	6.057	6.286	6.441	6.323	6.202	6.061	6.861	6.370	7.090	6.894	6.660	6.552	6.553	6.846	6.412
1445352	at	NA	BE980368	NA	NA	4.699	4.678	4.855	4.755	4.597	4.742	4.707	4.725	4.714	4.659	4.575	4.710	4.625	4.543	4.709	4.567	4.635	4.725	4.673	4.624	4.570	4.694	4.599	4.835
1445353	at	NA	BG072027	NA	NA	7.038	6.586	6.996	6.934	6.767	6.605	6.880	6.887	6.773	6.624	6.956	6.892	6.832	6.943	6.763	6.750	6.771	6.854	6.721	7.027	6.772	6.701	7.007	6.967
1445354	at	NA	BG073408	NA	NA	7.150	6.997	7.051	7.271	7.046	7.021	7.152	7.059	6.835	6.806	7.051	6.922	7.038	6.999	7.013	7.185	7.114	7.011	7.181	7.179	7.176	7.174	7.176	7.174
1445355	at	NA	BB458658	MM.275526	4	4.194	4.193	4.360	4.254	4.472	4.597	4.460	4.429	4.285	4.164	4.236	4.153	4.117	4.194	4.312	4.120	4.356	4.261	4.299	4.184	3.946	4.299	4.119	4.285
1445356	at	NA	BE994268	NA	NA	6.826	6.452	6.482	6.771	6.466	6.786	6.755	6.555	6.420	6.217	6.701	6.366	6.597	6.654	6.770	6.894	6.888	6.787	6.835	6.987	6.842	6.799	6.624	6.949
1445357	at	NA	AI851613	MM.443713	18	5.063	4.987	5.154	5.022	4.954	5.340	5.027	4.924	5.000	4.667	5.045	5.130	5.079	5.108	4.987	5.124	4.935	5.052	5.032	5.190	5.130	5.022	4.915	5.236
1445358	at	NA	Tnks	MM.88364	8	5.804	5.752	5.833	5.895	5.852	5.750	5.875	6.036	5.799	5.803	5.908	6.020	5.885	5.626	5.759	5.870	6.274	5.942	5.986	5.994	5.883	5.730	5.860	5.941
1445359	at	NA	Adcv1	MM.259733	11	5.601	5.280	5.664	5.756	5.602	5.599	5.550	5.834	5.486	5.714	5.508	5.466	5.550	5.466	5.657	5.558	5.829	5.497	5.829	5.912	5.637	5.554	5.748	5.888
1445360	at	NA	TF18215	MM.248380	7	7.851	7.377	7.574	7.646	6.757	7.507	7.522	7.921	7.759	7.553	7.795	7.320	7.696	7.682	7.590	7.466	7.650	7.601	7.676	7.668	7.420	7.453	7.611	7.512
1445361	at	NA	BB381544	MM.248380	NA	6.931	5.941	6.734	4.857	6.772	6.723	7.171	6.819	6.743	4.500	6.486	6.494	6.671	4.831	4.758	6.637</								

1445409	at	NA	BB200358	NA	NA	4.846	4.671	4.802	4.824	4.813	4.866	4.962	5.087	4.933	4.708	4.945	4.820	4.946	5.018	5.140	4.981	5.052	4.970	4.906	5.194	4.855	4.675	4.960	4.999
1445410	at	Mak10	BF722034	Mm.253902	13	4.669	4.554	4.655	4.593	4.684	4.778	4.536	4.825	4.681	4.437	4.726	4.716	4.637	4.462	4.669	4.745	4.777	4.593	4.708	4.920	4.587	4.678	4.835	4.479
1445411	at		B076621	NA	NA	7.012	6.839	6.726	7.024	6.807	6.985	7.143	7.120	7.021	7.214	7.032	7.242	7.151	7.180	7.205	6.994	6.955	6.889	6.997	6.929	7.046	6.858	7.192	6.946
1445412	at	Ccdc73	BM227718	Mm.476160	2	4.538	4.370	4.379	4.579	4.505	4.554	4.568	4.391	4.364	4.330	4.577	4.423	4.591	4.370	4.518	4.564	4.409	4.476	4.510	4.511	4.481	4.333	4.386	4.415
1445413	at	Bmp1ria	BM09846	Mm.237825	14	5.313	5.429	5.063	5.745	5.521	5.634	5.819	5.573	5.449	5.618	5.631	5.863	5.833	5.736	6.020	6.122	5.995	6.157	5.981	6.105	5.958	5.716	5.963	6.004
1445414	at	NA	BB713790	NA	NA	6.262	5.959	6.101	6.248	6.118	6.037	6.166	6.077	6.160	6.075	6.179	6.020	6.064	6.206	6.129	5.987	6.103	6.020	6.164	6.296	6.137	6.250	6.010	
1445415	at	NA	AW048415	NA	NA	4.845	4.236	4.513	4.551	4.365	4.445	4.522	4.574	4.299	4.461	4.662	4.307	4.358	4.378	4.563	4.572	4.662	4.502	4.503	4.708	4.468	4.426	4.483	4.669
1445416	at	Tsot14	AW123867	Mm.65389	6	4.708	4.434	4.566	4.687	4.798	4.687	4.516	4.638	4.732	4.912	4.825	4.668	4.626	4.862	4.850	4.639	4.562	4.927	4.614	4.630	4.569	4.579	4.681	4.652
1445417	at	NA	BB292344	NA	NA	7.655	7.376	7.644	7.540	7.457	7.605	7.714	7.628	7.807	7.420	7.830	7.419	7.743	7.606	7.503	7.596	7.365	7.581	7.515	7.929	7.648	7.719	7.839	7.596
1445418	at	Smg6	BB743283	Mm.288460	11	6.033	6.131	5.827	5.925	6.053	5.927	5.592	6.329	6.066	5.763	6.242	6.194	6.065	5.590	5.760	5.942	6.361	6.110	5.879	5.702	6.294	6.452	5.700	5.562
1445419	at	Gpnb8	BM247036	Mm.34520	16	6.218	5.886	6.163	6.142	5.989	6.240	6.109	5.822	5.843	5.782	6.049	5.946	6.228	6.012	6.083	5.947	6.120	6.287	6.219	6.308	6.146	6.093	6.174	6.276
1445420	at	NA	BM238940	NA	NA	5.655	6.188	5.877	5.720	5.995	5.919	6.246	6.539	6.360	6.522	5.842	6.678	6.343	6.339	6.503	6.083	6.266	6.489	6.086	6.959	6.304	6.908	6.090	5.852
1445421	at	NA	AV238942	NA	NA	6.600	6.374	6.561	6.840	7.102	6.900	6.469	6.699	7.409	7.117	6.487	7.569	7.707	6.553	7.158	6.489	7.164	7.106	6.826	6.838	7.122	7.092	6.541	6.740
1445422	at	LOC621549	BB503979	Mm.173163	4	7.752	7.257	7.643	7.614	7.711	7.896	7.593	7.445	7.635	7.348	7.927	7.963	7.704	7.369	7.824	7.760	7.564	7.869	7.578	7.631	8.052	8.101	7.873	7.593
1445423	at	NA	BG066696	NA	NA	4.937	4.735	5.101	5.019	4.988	5.037	5.090	5.160	5.181	4.737	5.025	4.840	5.126	4.966	4.982	5.043	4.920	5.190	5.054	5.072	4.892	4.780	5.137	4.816
1445424	at	NA	BB082300	NA	NA	5.799	6.103	6.182	6.302	6.221	5.952	6.226	6.250	6.165	5.899	6.422	5.935	6.161	6.196	6.238	6.301	6.109	6.044	6.130	6.242	6.239	6.116	6.280	6.271
1445425	at	LOC423958	BB635326	Mm.255105	15	6.133	6.056	6.089	6.025	6.203	5.914	6.103	5.930	6.311	6.086	6.126	6.208	6.160	6.141	6.076	6.113	6.311	6.004	5.966	6.166	6.212	6.029	6.080	6.029
1445426	at	NA	BB457090	NA	NA	4.859	4.554	4.920	4.809	4.609	4.937	4.743	4.919	4.516	4.805	4.651	5.000	4.781	4.588	5.265	5.028	4.881	5.000	4.853	4.811	4.766	4.860	4.965	4.880
1445427	at	NA	BB636266	NA	NA	6.174	6.356	6.160	5.947	5.894	5.971	6.139	6.255	6.077	6.152	6.133	6.089	6.141	5.704	5.869	6.123	6.438	6.253	6.090	6.134	6.414	6.443	6.135	5.815
1445428	at	NA	AW550050	NA	NA	5.955	5.861	5.878	5.869	5.966	5.776	5.796	5.881	5.843	5.944	5.779	5.836	5.804	5.889	5.819	5.581	5.858	5.742	6.011	5.886	5.832	5.886	5.875	5.969
1445429	at	NA	BG066674	NA	NA	6.203	6.004	6.368	6.337	5.975	5.967	6.257	6.061	6.153	6.214	6.077	6.174	6.137	6.005	6.298	6.296	6.245	6.223	6.122	6.419	6.427	6.333	6.249	6.485
1445430	at	NA	BG068993	NA	NA	6.313	6.066	6.294	6.612	6.337	6.477	6.423	6.263	6.220	5.859	6.405	6.087	6.147	6.206	6.399	6.606	6.724	6.398	6.644	6.667	6.481	6.528	6.412	6.331
1445431	at	NA	BB371883	NA	NA	6.942	6.674	6.861	7.103	6.674	6.787	6.794	6.640	6.450	6.522	6.595	6.545	6.528	6.509	6.591	6.885	6.892	6.758	6.868	6.949	6.945	7.128	6.712	6.725
1445432	at	NA	BG063915	NA	NA	5.724	5.651	5.598	5.878	5.364	5.545	5.712	5.664	5.575	5.643	5.536	5.490	5.514	5.476	5.351	5.609	5.626	5.776	5.633	5.693	5.810	5.582	5.576	5.538
1445433	at	NA	BB516678	Mm.191281	10	4.738	4.739	4.667	4.597	4.709	4.754	4.802	4.524	4.605	4.493	4.484	4.654	4.557	4.827	4.674	4.834	4.694	4.681	4.643	5.030	4.822	4.700	4.752	4.676
1445434	at	Snupn	B0176044	Mm.220984	9	6.156	5.968	6.111	6.260	6.176	6.069	6.102	6.230	6.050	6.004	6.065	6.016	6.071	6.075	6.133	6.281	6.308	6.186	6.259	6.267	6.155	6.458	6.182	6.334
1445435	at	Gm2732	BM251392	Mm.300779	X	5.933	5.419	5.392	5.535	5.353	5.334	5.519	5.112	5.534	5.534	5.112	5.534	5.268	5.534	5.355	5.534	5.355	5.534	5.355	5.534	5.355	5.534	5.355	5.534
1445436	at	BC059842	AV175285	Mm.451214	7	6.097	6.078	6.066	6.243	6.201	6.316	6.289	6.296	6.463	6.339	6.165	6.279	6.174	6.279	6.174	6.279	6.174	6.279	6.174	6.279	6.174	6.279	6.174	6.279
1445437	at	Z110015A05Rik	BE948587	Mm.297777	16	6.942	6.735	6.957	7.033	7.045	6.833	6.961	6.972	6.969	6.782	6.948	6.674	7.044	6.994	6.804	7.025	6.955	6.909	6.961	6.852	7.242	6.752	7.167	7.104
1445438	at	Dhd11	BB123293	Mm.121918	14	6.631	6.610	6.614	6.624	6.647	6.495	6.442	6.868	6.691	6.470	6.639	6.674	7.002	6.708	6.519	6.480	6.673	6.475	6.601	6.495	6.617	7.023	6.639	6.390
1445439	at	Epb4.9	AI413696	Mm.210863	14	8.038	7.899	7.858	8.024	7.836	7.763	7.908	7.971	7.952	7.843	8.066	7.890	7.791	7.996	7.772	7.916	7.945	7.869	7.923	7.888	8.055	7.737	7.971	8.000
1445440	at	Ccdc88a	BM016206	Mm.338284	11	5.150	5.134	5.050	5.236	5.169	5.227	5.252	5.209	5.622	5.316	5.103	5.029	5.742	5.389	5.515	5.094	5.073	5.869	5.148	5.116	5.088	5.441	5.002	5.235
1445441	at	EG380907	BB018814	Mm.81009	14	7.533	6.969	7.324	7.269	7.058	7.136	7.337	7.075	7.146	6.962	7.354	6.961	7.109	7.295	7.130	7.274	6.988	7.223	7.368	7.523	7.370	7.704	7.350	7.307
1445442	at	Mta9	BB125476	Mm.271269	3	6.732	6.102	6.508	6.346	6.401	6.500	6.743	6.548	6.426	6.412	6.658	6.348	6.360	6.391	6.546	6.613	6.382	6.597	6.526	6.641	6.470	6.602	6.534	6.705
1445443	at	NA	BB125476	Mm.271269	3	6.732	6.102	6.508	6.346	6.401	6.500	6.743	6.548	6.426	6.412	6.658	6.348	6.360	6.391	6.546	6.613	6.382	6.597	6.526	6.641	6.470	6.602	6.534	6.705
1445444	at	NA	BB651554	NA	NA	6.639	6.481	6.478	6.492	6.461	6.372	6.463	6.410	6.623	6.462	6.493	6.409	6.463	6.429	6.376	6.297	6.409	6.354	6.373	6.535	6.460	6.368	5.990	6.350
1445445	s at	Pkn1	BB283614	Mm.213000	8	4.433	4.109	4.393	4.257	4.223	3.976	4.088	4.332	4.170	4.280	4.413	4.262	4.181	4.189	4.166	4.154	4.214	4.137	4.225	4.157	4.198	4.441	4.300	4.501
1445446	at	NA	BE949326	NA	NA	5.850	5.478	5.822	5.719	5.539	5.658	5.831	5.705	5.567	5.418	5.857	5.328	5.635	5.692	5.925	5.680	5.544	5.884	5.639	5.903	5.810	5.624	5.821	5.732
1445447	at	NA	BG066573	NA	NA	4.033	3.767	4.158	4.091	4.086	3.958	4.091	4.151	4.066	3.801	4.038	4.008	4.047	4.133	4.003	4.089	4.254	4.077	4.090	4.420	4.136	4.158	4.076	4.083
1445448	at	NA	BG068947	NA	NA	5.903	5.709	5.752	5.783	5.588	5.725	5.634	5.761	5.707	5.565	5.731	5.790	5.706	5.835	5.785	5.559	5.819	5.733	5.500	5.625	5.639	5.709	5.707	5.750
1445449	at	NA	BG095184	NA	NA	8.057	7.867	7.908	7.841	7.899	7.909	7.920	7.795	7.887	7.753	7.987	7.880	8.021	7.945	7.863	8.022	7.849	7.816	7.513	7.825	7.930	7.794	7.664	7.916
1445450	x at	AS30021J07Rik	BB104524	Mm.5796	7	3.570	3.570	3.667	3.728	3.570	3.763	3.717	3.863																

1445498	at	NA	AW552101	NA	NA	10.248	9.808	10.257	9.938	9.914	9.795	9.685	9.828	9.400	9.121	9.188	9.560	9.661	9.304	9.707	10.206	10.053	9.624	9.688	9.838	10.069	10.479	10.219	10.077
1445499	at	Zc3h13	B1986319	Mm.74704	14	9.171	9.313	9.116	9.242	9.273	9.091	9.089	9.157	9.139	9.026	8.946	9.378	9.133	8.919	9.000	9.098	9.429	9.293	9.131	9.063	9.279	9.415	9.018	8.965
1445500	at	NA	AW538733	NA	NA	5.329	6.364	6.203	6.290	6.525	6.121	6.368	6.441	6.517	6.282	6.327	6.276	6.174	6.278	6.494	6.202	6.404	6.575	6.391	6.463	6.471	6.395	6.544	6.509
1445501	at	NA	BB425108	NA	NA	5.075	4.994	4.904	4.980	4.953	4.810	5.268	5.280	4.979	4.882	4.916	4.939	4.973	5.098	5.074	5.028	4.999	4.843	4.870	4.835	4.873	5.095	4.934	4.945
1445502	at	C78859	B1952620	Mm.136496	8	7.098	6.774	7.161	6.980	6.964	6.940	7.084	6.976	6.954	6.713	6.893	7.040	6.862	7.030	6.986	7.186	6.999	7.219	7.174	7.111	7.075	6.999	6.873	7.370
1445503	at	Gm715	BQ175936	NA	X	6.495	6.109	6.500	6.506	6.343	6.536	6.426	6.244	6.677	6.502	6.436	6.371	6.637	6.321	6.611	6.317	6.250	6.683	6.472	6.520	6.451	6.501	6.461	6.501
1445504	at	EG331392	BB049966	Mm.23126	X	7.589	7.233	7.231	7.616	7.385	7.219	7.417	7.333	7.443	7.399	7.425	7.415	7.490	7.446	7.215	7.252	7.569	7.257	7.443	7.461	7.393	7.550	7.361	7.495
1445505	at	Nds0t1	BB121118	Mm.181862	18	6.482	6.541	6.384	6.380	6.266	6.284	6.324	6.448	6.249	6.417	6.360	6.211	6.193	6.276	6.270	6.349	6.409	6.289	6.448	6.271	6.539	6.413	6.473	6.438
1445506	at	1300t17F04Rik	BB206100	Mm.432526	11	4.973	4.850	4.874	4.810	4.898	4.868	4.792	4.804	4.846	4.746	4.861	4.638	4.641	4.688	4.886	4.790	4.684	4.672	4.827	5.039	5.002	4.861	4.860	4.939
1445507	at	NA	BM239725	NA	NA	5.544	5.501	5.425	5.617	5.627	5.475	5.569	5.596	5.469	5.316	5.404	5.326	5.444	5.785	5.398	5.586	5.546	5.424	5.308	5.283	5.417	5.462	5.542	5.552
1445508	at	NA	BG063353	NA	NA	4.560	4.178	4.560	4.331	4.491	4.201	4.567	4.494	4.344	4.299	4.478	4.342	4.280	4.372	4.273	4.406	4.355	4.549	4.580	4.387	4.336	4.351	4.285	4.313
1445509	at	NA	BM231397	NA	NA	7.247	6.802	7.262	7.194	7.037	7.180	7.042	6.767	6.742	6.806	7.029	6.829	7.128	6.990	6.980	7.294	6.996	6.958	7.219	7.195	7.095	7.056	7.210	7.166
1445510	at	C79601	C79601	NA	15	6.117	5.747	6.055	6.285	6.237	6.210	5.939	6.070	6.058	5.864	6.110	5.865	5.999	6.056	6.076	6.060	6.345	5.883	6.019	6.193	6.693	6.120	5.869	6.035
1445511	at	Cetn4	BE980154	Mm.344708	3	7.127	6.881	7.164	7.121	6.980	6.688	7.007	7.180	6.857	6.798	7.078	6.853	6.886	6.819	6.695	6.974	7.141	7.019	7.116	7.198	7.025	7.006	6.913	6.949
1445512	at	NA	C78040	NA	NA	7.628	7.436	7.443	7.481	7.417	7.363	7.492	7.363	7.454	7.342	7.616	7.395	7.353	7.420	7.340	7.567	7.366	7.351	7.427	7.516	7.377	7.611	7.758	7.440
1445513	at	NA	BB117967	NA	NA	6.655	6.042	6.459	6.457	6.624	6.722	6.496	6.436	6.563	6.552	6.574	6.511	6.737	6.462	6.528	6.544	6.501	6.482	6.549	6.653	6.508	6.487	6.618	6.480
1445514	at	NA	BE456323	NA	NA	7.270	7.303	7.218	7.332	7.385	7.359	7.289	7.130	7.266	7.356	7.378	7.179	7.387	7.306	7.128	7.365	7.371	7.323	7.294	7.361	7.335	7.184	7.280	7.236
1445515	at	NA	BG069433	NA	NA	7.508	7.014	7.323	7.392	7.190	7.135	7.293	7.296	7.082	7.001	7.211	7.135	7.236	7.255	7.240	7.372	7.258	7.177	7.328	7.450	7.353	7.075	7.250	7.379
1445516	at	NA	BG068998	NA	NA	6.497	6.206	6.465	6.192	6.324	6.386	6.425	6.420	6.379	6.317	6.466	6.244	6.434	6.508	6.463	6.528	6.520	6.434	6.598	6.520	6.383	6.154	6.274	6.589
1445517	at	NA	BB144876	NA	NA	7.019	6.708	7.338	6.925	6.871	6.957	6.997	6.665	6.737	6.760	6.910	6.877	6.902	6.587	6.749	7.128	6.936	6.899	7.151	7.149	6.932	7.087	6.874	6.908
1445518	at	NA	BG061923	NA	NA	7.028	8.098	7.100	7.363	7.234	7.251	7.259	7.313	8.514	8.470	7.949	7.899	7.632	8.241	7.781	7.026	7.141	7.146	7.295	7.239	7.224	7.380	6.798	6.977
1445519	at	Kcns3	C77819	Mm.113278	12	6.051	5.661	5.986	5.886	5.795	5.827	5.767	5.836	5.932	5.626	6.066	5.836	5.946	5.995	5.868	5.800	5.874	5.923	5.955	5.902	5.918	5.831	6.059	5.975
1445520	at	NA	BG067723	NA	NA	4.132	4.039	4.058	4.051	4.030	4.035	4.134	4.125	3.939	4.047	4.098	4.118	4.063	4.063	4.132	4.246	4.176	4.055	4.152	4.281	4.061	4.207	4.020	4.237
1445521	at	Elav1	BB755434	Mm.472700	8	7.485	6.932	7.375	7.377	7.215	7.386	7.345	7.031	6.959	7.061	7.503	7.117	7.299	7.334	7.393	7.453	7.268	7.222	7.540	7.488	7.326	7.141	7.546	7.461
1445522	at	Atp8b4	BB217381	Mm.222235	2	5.796	6.185	5.866	6.100	5.706	5.758	5.978	5.740	5.925	5.700	6.003	5.736	5.790	6.024	6.003	5.739	6.551	5.715	5.829	6.017	5.804	5.693	5.767	5.824
1445523	at	NA	BB315012	Mm.332771	5	4.901	4.864	4.868	4.966	4.819	4.668	4.889	4.861	4.779	4.833	4.934	4.806	4.802	4.843	4.744	4.839	4.948	4.741	4.812	4.806	4.986	4.915	4.856	4.783
1445524	at	NA	B1945421	NA	NA	6.216	6.372	6.390	6.195	6.585	6.585	6.587	6.616	6.406	6.616	6.474	6.316	6.588	6.636	6.584	6.657	6.594	6.744	6.814	6.854	6.554	6.654	6.684	6.730
1445525	at	Kif14	BG067024	Mm.458468	1	8.115	7.769	8.855	8.791	8.862	8.989	3.792	3.896	3.860	3.989	3.982	3.882	3.982	3.882	3.982	3.982	3.982	3.982	3.982	3.982	3.982	3.982	3.982	3.982
1445526	at	AYS12915	AU054400	Mm.355990	6	4.891	4.665	4.993	4.850	4.731	4.711	4.699	4.751	4.777	4.759	4.751	4.597	4.800	4.748	4.779	4.721	4.794	4.778	4.941	4.947	4.986	4.813	4.670	4.699
1445527	at	NA	BB247601	NA	NA	4.253	4.139	4.052	4.123	4.182	3.976	4.150	4.103	4.262	4.385	4.215	4.151	4.499	4.034	4.112	4.161	4.404	4.372	4.168	4.090	4.051	4.174	4.180	4.041
1445528	at	Slc28a3	BB284688	Mm.181188	13	4.028	3.913	4.132	3.968	3.962	4.061	3.983	4.051	3.945	3.950	4.013	3.956	3.812	4.035	4.010	3.961	3.988	4.132	4.085	4.128	3.828	3.816	3.991	3.925
1445529	at	NA	BG063637	NA	NA	4.431	4.254	4.504	4.443	4.305	4.174	4.287	4.317	4.471	4.403	4.416	4.299	4.256	4.356	4.455	4.460	4.183	4.398	4.473	4.400	4.334	4.136	4.393	4.540
1445530	at	NA	BG077505	NA	NA	4.184	4.038	4.101	4.176	4.196	4.232	4.147	4.171	4.264	4.022	3.991	4.067	3.961	4.181	4.158	4.300	3.984	4.032	4.145	4.155	4.179	3.875	4.162	4.023
1445531	at	Csmid1	BB179947	Mm.436988	8	5.675	5.668	5.652	5.588	5.413	5.858	5.682	5.187	5.327	5.510	5.405	5.237	5.344	5.353	5.465	5.517	5.332	5.463	5.473	5.744	5.576	5.285	5.488	5.528
1445532	at	C10i16	BB010132	Mm.422761	8	6.513	6.372	6.390	6.195	6.592	6.587	6.587	6.627	6.588	6.627	6.588	6.627	6.588	6.627	6.588	6.627	6.588	6.627	6.588	6.627	6.588	6.627	6.588	6.627
1445533	at	NA	BB471887	NA	NA	4.548	4.753	5.011	4.880	4.747	5.007	4.848	4.817	4.809	4.808	4.963	4.569	4.801	4.792	4.857	4.840	4.596	4.766	4.632	4.989	4.737	4.717	5.017	4.743
1445534	at	Flnb	BM206272	Mm.475646	14	8.347	8.913	8.116	8.493	8.294	8.304	8.002	8.007	8.481	8.404	8.893	8.864	8.461	8.166	8.214	7.900	8.312	8.005	7.790	7.864	8.215	8.618	8.098	7.906
1445535	at	AA407107	BG063117	NA	8	7.156	6.919	7.246	7.397	6.983	6.832	7.188	6.810	6.665	6.864	6.577	7.046	6.725	6.825	6.800	7.371	6.998	6.934	6.644	6.585	7.031	7.122	6.962	6.861
1445536	at	AW061096	AW061096	Mm.380514	1	5.992	5.829	5.880	6.210	6.127	5.894	6.148	6.221	6.037	5.865	6.234	5.983	5.927	5.947	5.812	5.964	6.142	6.089	5.952	6.215	6.148	6.095	6.139	6.109
1445537	at	NA	BM224499	NA	NA	6.476	6.507	6.647	6.470	6.675	6.556	6.449	6.327	6.549	6.613	6.517	6.592	6.797	6.489	6.364	6.621	6.458	6.601	6.406	6.508	6.275	6.374	6.560	6.493
1445538	at	NA	BG072656	NA	NA	5.010	4.865	5.070	4.743	4.775	4.904	4.859	5.049	5.088	4.873	4.882	4.760	4.850	4.882	4.942	4.959	5.000	4.775	4.850	4.870	4.925	5.031	5.049	4.799
1445539	at	Prph7b	BG687857	Mm.425617	10	6.598	6.192	6.480	6.195	6.480	6.195	6.480	6.195																

1445587	at	NA	BO126412	NA	NA	5.968	5.536	5.755	5.991	5.692	5.741	5.933	5.952	5.630	5.572	5.809	5.749	5.756	5.558	5.661	5.811	5.681	5.723	5.925	5.892	5.745	5.750	5.791	5.663	
1445588	at	Ankrrd44	AI315673	Mm.397910	1	6.765	6.734	6.671	6.745	7.037	6.492	6.843	6.736	6.660	6.636	6.504	6.499	6.809	6.689	6.625	6.544	6.614	6.816	6.680	6.748	6.776	6.828	6.773	6.608	
1445589	at	NA	BM940232	NA	NA	5.635	7.446	7.387	7.439	7.730	7.247	7.491	7.374	7.513	7.331	7.791	7.370	7.431	7.299	7.642	7.704	7.129	7.357	7.453	7.393	7.272	7.369	7.644	7.737	
1445590	at	NA	C88236	NA	NA	7.570	5.449	5.598	5.635	5.360	5.524	5.721	5.673	5.595	5.577	5.668	5.549	5.505	5.624	5.572	5.705	5.407	5.565	5.551	5.831	5.657	5.454	5.841	5.692	
1445591	at	NA	AI314631	NA	NA	6.963	6.702	6.571	6.977	6.992	6.928	6.908	7.024	6.846	6.834	6.941	7.017	6.778	6.924	7.015	6.983	6.972	6.832	6.993	6.977	7.044	7.128	6.950	6.995	
1445592	at	NA	AI504240	NA	NA	4.113	3.862	4.032	3.905	4.027	3.989	3.953	3.914	3.993	3.856	4.038	3.870	3.909	4.016	3.993	3.873	3.718	4.057	3.898	3.805	3.850	4.013	4.022	3.924	
1445593	at	NA	AV260624	NA	NA	6.473	6.052	6.262	6.275	6.171	6.096	6.499	6.310	6.066	6.032	6.244	6.026	6.089	6.019	6.247	6.442	6.162	6.150	6.312	6.495	6.260	6.165	6.422	6.345	
1445594	at	Hnrmpl	BF729633	Mm.9043	7	7.446	7.128	7.479	7.337	7.413	7.339	7.236	7.336	7.236	7.153	7.353	7.282	7.341	7.369	7.466	7.299	7.274	7.493	7.380	7.310	7.265	7.299	7.400	7.343	
1445595	at	NA	BB633160	NA	NA	4.505	4.582	4.445	4.335	4.493	4.290	4.477	4.375	4.448	4.398	4.470	4.526	4.478	4.343	4.402	4.507	4.695	4.523	4.656	4.655	4.461	4.662	4.465	4.415	
1445596	at	NA	BM396287	NA	NA	5.766	5.594	5.843	5.729	5.830	5.837	6.055	5.696	5.623	5.707	6.035	5.765	5.734	5.704	5.745	5.752	5.738	6.045	5.799	5.766	5.756	5.628	5.697	5.758	
1445597	s at	Hrasl53	BB404920	Mm.274810	19	10.764	10.855	10.539	10.665	11.165	10.581	10.705	11.424	10.847	10.849	10.877	11.275	11.224	10.759	10.312	11.214	11.205	10.759	10.613	11.007	11.004	10.315	10.528	10.738	
1445598	at	NA	AI931672	NA	NA	4.661	4.625	4.908	4.850	4.703	4.726	4.671	4.806	4.699	4.682	4.731	4.788	4.659	4.539	4.826	4.656	4.620	4.605	4.691	4.807	4.645	4.797	4.685	4.893	
1445599	at	NA	BB238118	Mm.244233	3	5.559	5.618	5.585	5.636	5.591	5.573	5.604	5.584	5.593	5.566	5.619	5.617	5.487	5.373	5.573	5.484	5.449	5.559	5.771	5.716	5.527	5.539	5.841		
1445600	at	NA	BM219178	NA	NA	8.587	8.119	8.276	8.248	8.138	8.160	8.073	7.913	8.050	8.067	8.111	8.021	8.059	8.032	8.109	8.218	8.071	8.042	8.064	8.122	8.137	8.266	8.531	8.292	
1445601	at	NA	BB741204	NA	NA	7.431	7.311	7.356	7.469	7.403	7.332	7.481	7.420	7.292	7.320	7.499	7.291	7.266	7.287	7.354	7.338	7.368	7.320	7.442	7.262	7.453	7.267	7.568	7.436	
1445602	at	A630055G03Rik	BE630869	Mm.325777	16	7.316	7.304	7.421	7.350	7.419	7.240	7.424	7.481	7.390	7.219	7.544	7.178	7.186	7.399	7.217	7.384	7.647	7.519	7.293	7.452	7.539	7.474	7.557	7.564	
1445603	at	NA	AW125090	NA	NA	4.999	4.567	4.845	4.976	4.805	4.870	4.888	4.834	4.796	4.803	4.830	4.784	4.879	4.752	4.811	5.098	4.782	4.746	4.938	5.222	4.856	4.863	5.290	4.732	
1445604	at	NA	BE945821	NA	NA	6.797	6.781	6.764	6.553	6.797	6.996	6.816	6.698	6.964	7.063	6.892	6.863	6.779	6.855	6.889	6.740	6.924	6.781	6.980	6.962	6.703	6.604	6.609	6.521	
1445605	s at	4921553L14Rik	AI935491	Mm.87130	1	4.146	3.958	4.302	4.152	4.090	4.553	4.277	4.098	4.514	4.116	4.187	4.261	4.023	4.180	4.217	4.217	4.193	4.325	4.323	4.099	4.193	4.267	4.327	4.332	
1445606	a at	2900009J06Rik	BB663189	Mm.440061	1	7.282	6.963	7.165	7.277	7.035	7.147	7.340	7.135	7.195	7.029	7.163	7.055	7.042	7.103	6.848	7.230	7.268	7.267	7.192	7.299	7.200	7.090	7.207	7.182	
1445607	at	NA	BF019847	NA	NA	5.680	5.477	5.416	5.544	5.492	5.615	5.468	5.664	5.734	5.591	5.731	5.639	5.663	5.727	5.490	5.716	5.811	5.691	5.583	5.770	5.732	5.777	5.616	5.413	
1445608	at	9130204L05Rik	AV376051	Mm.98335	3	4.247	4.223	4.255	4.124	4.164	4.030	4.422	4.348	4.159	4.090	4.120	4.250	4.388	4.120	4.252	4.350	4.506	4.370	4.475	4.357	4.344	4.176	4.380	4.163	
1445609	at	NA	BE979533	NA	NA	5.401	5.548	5.361	5.548	5.561	5.541	5.510	5.582	5.367	5.313	5.356	5.263	5.473	5.521	5.536	5.475	5.597	5.362	5.336	5.509	5.460	5.538	5.794	5.593	
1445610	at	NA	BE947725	NA	NA	5.052	4.531	4.876	4.875	4.638	4.637	4.703	4.413	4.726	4.703	4.875	4.800	4.804	5.008	4.776	4.819	4.845	4.972	4.737	5.148	5.031	4.862	4.496	4.690	
1445611	at	NA	BB349535	Mm.158902	15	5.332	5.037	5.346	5.222	5.368	5.317	4.981	5.347	5.286	5.247	5.400	5.416	5.298	5.099	5.261	5.096	5.545	5.214	5.282	5.526	5.253	5.251	5.907	5.100	
1445612	at	NA	AI114898	NA	NA	5.513	5.162	5.391	5.475	5.339	5.350	5.497	5.415	5.370	5.029	5.314	5.435	5.287	5.310	5.244	5.515	5.296	5.228	5.387	5.595	5.337	5.378	5.500	5.391	
1445613	at	NA	BB592978	Mm.393196	6	6.141	5.907	6.286	6.555	6.141	5.188	6.988	6.564	6.078	6.066	6.547	6.067	6.544	6.078	6.544	6.078	6.544	6.078	6.544	6.078	6.544	6.078	6.544	6.078	
1445614	at	NA	BC071907	NA	NA	8.248	8.053	8.232	8.224	8.044	8.177	8.264	8.245	8.055	8.001	8.328	8.005	8.159	8.197	8.133	8.147	8.103	8.107	8.109	8.107	8.109	8.107	8.109	8.107	
1445615	at	EG666827	BE9852824	Mm.474529	5	5.510	5.329	5.425	5.536	5.481	5.385	5.413	5.829	5.443	5.501	5.376	5.473	5.457	5.418	5.492	5.506	5.463	5.469	5.373	5.536	5.605	5.559	5.565	5.528	
1445616	at	NA	BM234751	NA	NA	4.434	4.359	4.574	4.427	4.490	4.543	4.444	4.557	4.445	4.302	4.457	4.324	4.493	4.425	4.488	4.476	4.286	4.426	4.533	4.457	4.436	4.399	4.466	4.415	
1445617	at	NA	BM207422	NA	NA	7.674	7.297	7.647	7.561	7.529	7.450	7.462	7.212	7.463	7.622	7.508	7.753	7.440	7.414	7.575	7.543	7.825	7.503	7.672	7.356	7.539	7.554	7.505	7.627	
1445618	at	NA	BE852889	NA	NA	7.021	7.053	7.391	7.502	7.747	7.478	7.044	7.503	7.315	7.480	7.094	7.729	7.647	7.043	7.490	7.723	7.972	8.017	7.893	7.951	7.322	7.793	7.641	7.338	
1445619	at	NA	BO176565	NA	NA	5.098	4.792	4.962	4.953	4.579	4.764	4.875	4.995	4.848	4.665	4.863	4.530	4.667	4.961	4.870	4.854	4.782	4.964	4.896	4.878	4.808	4.782	4.825	4.836	
1445620	at	NA	BE953024	NA	NA	6.809	6.216	6.430	6.429	6.618	6.715	6.730	6.622	6.536	6.481	6.689	6.397	6.667	6.472	6.545	6.717	6.632	6.287	6.506	6.610	6.672	6.572	6.645	6.774	
1445621	at	NA	AI593405	NA	NA	4.792	3.957	4.025	4.220	3.935	4.261	4.328	3.939	3.913	3.983	3.987	3.956	4.027	3.975	3.923	4.058	4.267	4.098	4.202	4.182	4.202	4.182	4.202	4.182	
1445622	at	NA	BE955043	NA	NA	7.863	7.586	7.510	7.654	7.612	7.601	7.571	7.911	7.726	7.640	7.962	7.554	7.889	7.819	7.886	7.652	7.641	7.746	7.507	7.856	7.670	7.625	7.598	7.613	
1445623	at	NA	BF011295	NA	NA	4.703	4.672	4.690	4.696	4.647	4.671	4.547	4.773	4.510	4.604	4.565	4.598	4.696	4.641	4.723	4.584	4.889	4.626	4.400	4.743	4.676	4.439	4.401	4.694	
1445624	at	Atnx1l	AW121392	Mm.276770	8	8.176	7.865	8.035	8.100	7.988	8.186	8.230	7.932	7.809	7.817	8.038	8.022	8.174	7.920	8.009	8.228	8.183	8.153	8.095	8.233	8.072	7.908	8.068	8.222	
1445625	at	NA	BB701858	NA	NA	5.019	4.695	4.890	4.797	5.038	4.899	4.785	4.857	4.948	4.807	4.794	5.173	4.991	4.654	5.184	4.684	5.240	4.916	5.044	5.001	4.896	4.988	4.925	4.982	
1445626	at	NA	AI426376	NA	NA	4.795	5.323	4.944	5.205	5.134	4.908	4.849	5.223	5.436	4.996	5.272	5.098	5.325	5.412	5.062	4.989	5.041	4.921	5.093	5.038	5.270	4.957	5.174	4.984	
1445627	at	NA	BE982762	NA	NA	5.509	5.555	5.484	5.436	5.603	5.486	5.488	5.477	5.586	5.565	5.414	5.569	5.503	5.538	5.569	5.680	5.516	5.564	5.492	5.605	5.824	5.524	5.501	5.789	
1445628	at	NA	BE950280	NA	NA	5.793	5.414	5.053	5.659	5.792	5.466	5.797	5.789	5.561	5.558	5.764	5.564	5.628												

1445676	at	NA	BB130001	NA	NA	5.574	5.319	5.727	5.991	5.809	6.160	5.938	5.519	5.812	5.386	5.739	5.458	5.744	5.906	5.578	5.551	6.052	5.915	5.935	6.467	5.769	5.705	5.830	5.456
1445677	x at	Slc35f2	BB401264	Mm.26159	9	4.706	4.530	4.618	4.577	4.569	4.479	4.548	4.568	4.594	4.445	4.684	4.483	4.519	4.506	4.633	4.739	4.647	4.550	4.536	4.809	4.664	4.356	4.666	4.715
1445678	at	NA	BB748708	NA	NA	4.407	4.275	4.377	4.443	4.385	4.445	4.314	4.430	4.340	4.397	4.404	4.286	4.368	4.305	4.332	4.388	4.326	4.388	4.489	4.526	4.638	4.446	4.316	4.309
1445679	at	NA	BF458407	NA	NA	5.962	5.688	5.798	5.869	5.849	5.720	5.757	5.933	5.739	5.337	5.818	5.890	5.695	5.735	5.875	5.998	6.032	5.685	5.833	5.994	5.734	5.926	5.813	5.650
1445680	x at	F2r2	BB444026	Mm.440952	13	4.537	4.201	4.601	4.403	4.234	4.463	4.619	4.243	4.332	4.331	4.710	4.506	4.249	4.548	4.248	4.597	4.680	4.598	4.460	4.594	4.391	4.424	4.538	4.560
1445681	at	Cdc7a	BE852180	Mm.270676	2	6.424	6.290	6.429	6.394	6.199	6.488	6.480	6.181	6.336	6.163	6.468	6.207	6.242	6.209	6.272	6.493	6.244	6.565	6.213	6.170	6.178	6.330	6.468	6.357
1445682	at	2200999C18Rik	BM939084	Mm.440259	17	5.553	6.114	5.896	5.696	5.782	5.769	6.056	5.854	5.882	5.765	5.983	5.590	5.647	6.033	5.955	6.084	5.632	5.770	5.729	5.760	5.766	5.743	5.844	5.673
1445683	at	NA	BG071952	NA	NA	5.194	5.080	5.241	5.130	4.872	5.286	5.212	5.165	5.082	5.054	5.225	5.226	4.802	5.198	5.086	5.007	5.107	5.061	5.147	5.263	5.287	4.982	5.005	5.408
1445684	s at	Hdac2	AV292968	Mm.19806	10	10.276	10.412	10.125	10.229	10.328	10.429	10.263	10.525	10.159	10.218	10.233	10.334	10.276	10.200	10.343	10.218	10.707	10.426	10.496	10.333	10.522	10.625	10.276	10.286
1445685	at	Gas7	AI837851	Mm.40338	11	6.614	6.243	6.391	6.482	6.440	6.497	6.448	6.576	6.577	6.203	6.561	6.351	6.356	6.612	6.507	6.403	6.491	6.470	6.409	6.513	6.446	6.605	6.521	6.650
1445686	at	NA	AV205055	NA	NA	3.965	3.754	3.901	3.890	3.862	3.881	3.810	3.744	3.862	3.794	3.889	3.881	3.359	3.797	4.015	3.807	3.896	3.935	3.870	3.957	3.976	3.816	3.907	4.004
1445687	at	Gm885	BE629676	Mm.343952	11	5.713	6.229	5.793	5.569	5.819	5.757	5.933	6.060	6.333	5.928	5.758	5.743	5.733	6.254	5.722	5.467	5.528	5.540	5.754	5.666	5.460	5.424	5.611	5.999
1445688	at	NA	BG073119	NA	NA	7.999	7.773	7.957	8.138	7.850	7.933	7.733	7.937	7.708	7.823	7.976	7.771	7.930	7.856	7.884	8.072	8.095	8.044	7.917	7.935	8.098	7.919	8.043	7.958
1445689	at	NA	AA717264	NA	NA	7.803	8.000	8.128	8.066	8.147	8.240	8.227	8.425	8.278	8.604	8.038	8.574	8.292	8.164	8.690	8.025	8.686	8.140	8.114	8.293	8.397	8.432	8.365	8.104
1445690	at	NA	BG072010	NA	NA	4.036	3.841	3.954	3.930	3.923	4.014	3.918	3.850	3.902	3.870	3.924	3.807	3.867	3.845	3.862	3.839	3.854	3.884	3.985	3.882	3.879	3.845	3.849	3.972
1445691	at	Chn1	AW121426	Mm.257073	2	7.155	7.047	7.056	7.077	7.110	6.791	7.067	6.891	6.865	7.028	7.094	6.984	7.091	6.986	6.942	7.042	7.037	6.908	7.076	7.129	7.208	7.094	7.289	7.153
1445692	x at	NA	BG068097	NA	NA	6.552	6.481	6.828	6.774	6.475	6.590	6.579	6.499	6.074	6.288	6.380	6.431	6.297	6.492	6.546	6.856	6.497	6.795	6.661	6.440	6.576	6.659	6.629	6.598
1445693	at	Araf	BB319063	Mm.220946	X	6.034	6.508	6.039	6.204	6.074	6.155	6.244	5.918	6.367	6.169	6.130	6.198	6.175	6.343	6.245	6.142	5.827	6.031	6.174	6.034	6.217	5.633	6.257	6.097
1445694	at	NA	AI666551	NA	NA	7.370	7.109	7.296	7.193	7.267	7.209	7.100	7.119	7.345	7.189	7.135	7.206	7.339	7.320	7.246	7.265	7.197	7.315	7.256	7.493	7.258	7.090	7.254	7.333
1445695	at	NA	BE852876	NA	NA	6.941	6.574	7.124	7.103	6.573	6.981	7.446	6.761	6.435	6.649	6.426	7.095	6.862	6.599	6.587	7.044	6.461	6.776	6.512	6.801	6.287	6.466	6.513	6.515
1445696	x at	NA	AV205086	NA	NA	5.048	4.643	4.940	5.140	4.962	4.937	5.150	5.133	4.875	4.818	4.872	4.867	4.958	4.747	4.767	4.916	5.605	5.361	4.851	5.247	5.297	5.134	4.929	5.050
1445697	at	NA	AI594688	NA	NA	7.192	7.075	7.141	7.347	7.169	7.073	7.227	7.580	6.938	7.153	7.562	7.340	7.484	7.269	7.232	7.249	7.113	6.979	6.798	6.982	7.187	7.609	7.230	6.994
1445698	at	Caon11	B0180520	Mm.426026	17	8.218	7.987	8.188	8.254	8.208	8.242	8.231	8.460	8.164	8.121	8.263	8.183	8.180	8.247	8.194	8.279	8.299	8.198	8.296	8.367	8.195	8.112	8.286	8.214
1445699	at	NA	BM940493	NA	NA	6.136	6.173	6.310	5.976	6.245	6.220	6.168	5.875	6.140	5.936	6.238	6.054	6.061	6.120	5.833	6.177	5.997	5.991	5.860	6.154	6.247	5.932	6.144	6.300
1445700	at	Psmq4	AV090264	Mm.24788	13	4.573	4.232	4.032	4.236	4.207	4.070	4.254	4.217	4.228	4.240	4.142	4.334	4.098	4.192	4.164	4.214	4.447	4.354	4.379	4.217	4.199	4.467	4.228	4.129
1445701	at	Atp2b4	BB560322	Mm.188617	1	5.588	5.444	5.507	5.508	5.509	5.732	5.571	5.515	5.209	5.555	5.504	5.521	5.637	5.764	5.454	5.841	5.480	5.559	5.247	5.570	5.594	5.408	5.562	5.448
1445702	x at	Psmq2	BB560322	Mm.441887	19	5.487	4.443	4.562	4.443	4.488	4.536	4.452	4.438	4.438	4.458	4.585	4.565	4.438	4.458	4.466	4.429	4.458	4.466	4.458	4.466	4.458	4.466	4.458	4.466
1445703	at	NA	BB293102	Mm.218611	X	2.392	2.846	2.798	2.831	2.704	2.967	2.888	2.832	2.704	2.408	2.988	2.982	2.742	2.993	2.930	2.894	3.782	3.687	3.840	3.585	3.803	3.863	3.576	3.876
1445704	x at	LOC100045106	AV350110	NA	7	3.959	3.772	3.955	3.778	3.765	3.922	3.879	3.859	3.830	3.891	3.934	3.726	3.802	3.814	3.829	3.838	3.620	3.888	3.924	3.978	3.844	3.806	3.952	3.840
1445705	x at	Dpb8	AV381167	Mm.202749	9	4.996	4.517	4.654	4.486	4.349	4.741	4.501	4.526	4.512	4.282	4.492	4.614	4.492	4.390	4.547	4.660	4.388	4.394	4.544	4.435	4.823	4.922	4.743	4.525
1445706	x at	Mettl2	AV095995	Mm.270091	11	8.669	8.647	8.714	8.823	8.611	8.519	8.646	8.864	8.556	8.626	8.513	8.641	8.567	8.432	8.504	8.619	8.789	8.536	8.430	8.416	8.878	8.764	8.699	8.762
1445707	at	NA	BB070860	NA	NA	7.038	6.072	6.318	6.377	6.519	6.078	6.564	6.323	6.475	6.138	6.539	6.069	6.522	6.511	6.489	6.759	6.382	6.381	6.532	6.623	6.581	6.298	6.677	6.735
1445708	x at	S110021A11Rik	AV158652	Mm.418299	6	10.968	10.096	10.762	10.736	10.433	10.667	10.887	10.782	10.107	10.146	10.341	10.457	10.398	10.321	10.171	10.753	10.820	10.670	10.608	10.762	10.822	10.832	10.805	11.093
1445709	at	Mdm1	AI323780	Mm.101191	10	5.427	5.307	5.380	5.625	5.553	5.402	5.545	5.450	5.447	5.542	5.423	5.500	5.486	5.511	5.581	5.508	5.487	5.507	5.375	5.396	5.520	5.281	5.477	5.729
1445710	at	Duxb1	AV128840	NA	14	7.923	7.137	7.616	7.109	7.352	7.230	7.458	7.594	7.205	7.284	7.439	7.472	7.148	7.397	7.459	7.557	7.495	7.532	7.518	7.498	7.518	7.498	7.746	7.746
1445711	at	BB163080	BB163080	NA.440765	16	4.523	4.691	4.629	4.737	4.920	4.492	4.704	4.816	4.992	5.125	4.514	5.492	5.149	4.771	5.020	4.475	4.927	4.903	4.488	4.594	4.737	4.809	4.477	4.612
1445712	at	NA	AI842596	NA	NA	5.983	5.666	5.887	5.998	5.580	5.720	5.923	5.773	5.909	5.819	6.014	5.737	5.823	5.753	5.911	6.008	5.767	6.068	5.809	5.882	5.959	5.700	6.196	6.008
1445713	at	NA	BM932430	NA	NA	4.109	3.991	4.081	3.882	3.842	3.963	4.009	3.801	3.773	3.805	3.929	3.876	3.848	3.916	4.033	4.106	3.896	4.173	4.173	4.026	3.911	4.011	4.132	4.157
1445714	at	B930042K01Rik	BB343145	Mm.446882	X	4.626	4.549	4.370	4.781	4.674	4.701	4.502	4.665	4.561	4.565	4.475	4.561	4.495	4.518	4.765	4.472	4.802	4.656	4.666	4.733	4.552	4.477	4.759	4.666
1445715	at	A230001M10Rik	BB168799	Mm.225196	3	6.707	6.570	6.824	6.746	6.635	6.633	6.724	6.646	6.534	6.501	6.614	6.447	6.540	6.621	6.482	6.765	6.562	6.332	6.652	6.701	6.793	6.521	6.828	6.740
1445716	at	NA	BB220832	NA	NA	6.537	6.151	6.427	6.458	6.418	6.274	6.325	6.315	6.107	6.286	6.609	6.087	6.455	6.391	6.459	6.364	6.519	6.402	6.227	6.578	6.344	6.381	6.533	6.584
1445717	at	Duxb1	AV128840	Mm.276133																									

1445765	at	9430011C21Rik	BB087602	Mm.404160	18	9.138	9.121	9.389	9.223	8.891	8.970	9.513	8.530	8.789	9.083	8.517	8.945	9.046	8.797	9.211	9.297	9.276	9.116	8.998	9.234	8.990	9.050	8.915	9.186
1445766	at	NA	BB185246	NA	NA	4.722	4.472	4.785	4.760	4.469	4.540	4.707	4.779	4.302	4.379	4.656	4.329	4.453	4.477	4.642	4.602	4.709	4.792	4.616	4.735	4.740	4.454	4.638	4.557
1445767	at	Ptord	BB451347	Mm.146764	4	4.639	4.367	4.857	4.447	4.603	4.411	4.896	4.685	4.554	4.490	4.757	4.312	4.638	4.598	4.591	4.687	4.587	4.714	4.718	4.837	4.747	4.492	4.588	4.494
1445768	at	LOC625662	BG070650	Mm.297584	13	4.264	4.209	4.281	4.189	4.354	4.179	4.356	4.305	4.338	4.432	4.314	4.142	4.175	4.202	4.460	4.293	4.199	4.343	4.264	4.327	4.273	4.046	4.460	4.461
1445769	at	NA	BG067650	NA	NA	4.380	4.217	4.387	4.171	4.254	4.258	4.134	4.239	4.354	4.387	4.277	4.193	4.316	4.371	4.428	4.376	4.348	4.485	4.398	4.431	4.427	4.261	4.258	4.266
1445770	at	NA	BG070189	NA	NA	6.428	5.848	6.039	6.081	5.974	6.033	6.091	5.935	5.938	5.891	6.141	5.883	5.924	6.043	6.037	6.066	5.991	5.965	6.142	6.264	6.110	6.158	6.042	6.121
1445771	at	NA	BG070182	NA	NA	4.189	4.020	4.213	4.228	4.101	4.258	4.183	4.096	4.188	4.102	4.198	3.945	4.294	3.998	4.339	4.204	4.171	4.223	4.087	4.395	4.163	4.350	4.230	4.251
1445772	at	D16Ernd550e	BG068333	NA	16	7.429	6.991	7.335	7.424	7.270	7.078	7.247	7.404	7.129	7.093	7.275	7.239	7.293	7.222	7.224	7.436	7.147	7.240	7.221	7.293	7.409	7.287	7.184	7.353
1445773	at	NA	BG070088	NA	NA	6.945	6.186	6.833	6.769	6.636	6.844	6.767	6.643	6.444	6.422	6.679	6.411	6.588	6.501	6.762	6.897	6.748	6.641	6.915	7.061	6.928	6.658	6.949	6.817
1445774	at	NA	BB479183	NA	NA	7.726	7.181	7.616	7.597	7.509	7.495	7.422	7.270	7.596	7.443	7.516	7.575	7.514	7.574	7.668	7.376	7.351	7.343	7.466	7.676	7.423	7.439	7.555	7.543
1445775	at	NA	BG074834	NA	NA	5.717	5.698	5.854	5.749	5.628	5.763	5.708	5.595	5.913	5.711	5.930	5.600	5.627	5.742	5.910	5.596	5.688	5.898	5.724	5.796	5.707	5.579	5.743	5.697
1445776	at	NA	BG0689151	NA	NA	6.571	6.192	6.642	6.544	6.544	6.366	6.606	6.529	6.483	6.415	6.511	6.529	6.454	6.468	6.364	6.561	6.629	6.603	6.492	6.523	6.636	6.455	6.529	6.645
1445777	at	Uj02	BB311521	Mm.31102	2	4.560	4.419	4.737	4.517	4.446	4.397	4.659	4.347	4.388	4.591	4.501	4.552	4.419	4.552	4.612	4.583	4.331	4.601	4.491	4.612	4.432	4.578	4.446	4.488
1445778	at	NA	BB198529	NA	NA	6.016	5.821	5.981	5.952	5.825	5.916	5.850	5.513	5.870	5.842	5.801	5.836	5.754	5.880	5.784	5.936	5.772	5.648	5.867	5.834	5.754	5.720	5.994	5.908
1445779	at	NA	BB471595	NA	NA	6.881	6.382	6.741	6.647	6.630	6.565	6.827	6.642	6.687	6.577	6.876	6.731	6.451	6.696	6.813	6.811	6.823	6.829	6.695	6.964	6.840	6.545	6.834	6.821
1445780	at	NA	BG067342	NA	NA	5.229	4.836	4.983	4.768	4.718	5.033	4.931	4.783	4.700	4.660	4.778	4.863	4.758	4.701	4.902	4.931	4.947	4.842	4.824	5.162	4.953	4.886	4.926	4.964
1445781	at	NA	BG072274	NA	NA	7.389	7.271	7.214	7.557	7.360	7.331	7.344	7.659	7.535	7.276	7.461	7.354	7.603	7.471	7.436	7.232	7.470	7.219	7.568	7.278	7.507	7.704	7.700	7.336
1445782	at	NA	BG067255	NA	NA	4.397	4.375	4.279	4.386	4.474	4.260	4.406	4.342	4.277	4.208	4.394	4.232	4.363	4.310	4.546	4.477	4.287	4.264	4.385	4.433	4.389	4.314	4.450	4.383
1445783	at	NA	BG069608	NA	NA	5.987	5.226	5.775	5.897	5.631	5.585	5.737	5.858	5.256	5.552	5.772	5.391	5.406	5.265	5.522	5.751	5.678	5.840	5.556	5.738	5.775	5.897	5.724	5.608
1445784	at	NA	BG064069	NA	NA	7.245	6.892	7.082	7.042	6.987	7.130	6.979	7.054	7.073	6.805	7.086	6.938	6.935	7.019	6.954	7.023	7.106	6.901	7.081	7.254	7.141	7.050	7.109	6.896
1445785	at	NA	BG066611	NA	NA	7.374	7.327	7.344	7.406	7.204	7.413	7.439	7.229	7.185	7.300	7.452	7.347	7.252	7.341	7.314	7.458	7.513	7.380	7.326	7.535	7.295	7.385	7.713	7.399
1445786	at	Brasf	BB539247	Mm.245513	6	6.260	6.253	6.289	6.140	6.483	6.215	6.328	6.456	6.284	6.387	6.419	6.509	6.484	6.204	6.373	6.522	6.254	6.225	6.308	6.416	6.639	6.565	6.435	6.311
1445787	at	5033413D22Rik	BB667708	Mm.228517	10	6.405	6.155	6.347	6.325	6.263	6.139	6.223	6.174	6.328	6.149	6.285	6.160	6.083	6.072	6.175	6.242	6.266	6.204	5.998	6.367	6.223	6.142	6.367	6.523
1445788	at	NA	BG068632	NA	NA	6.731	6.570	6.554	6.608	6.518	6.667	6.585	6.663	6.704	6.432	6.600	6.627	6.653	6.645	6.527	6.663	6.873	6.409	6.613	6.579	6.600	5.994	6.612	6.713
1445789	at	NA	BB504085	NA	NA	6.272	6.039	5.995	5.936	5.920	5.913	6.054	5.982	5.986	6.219	6.109	5.669	5.820	5.979	6.050	6.048	5.981	5.968	6.019	6.049	6.017	5.866	5.924	6.027
1445790	at	Gj0r	BB433518	Mm.333633	7	5.808	5.448	5.760	5.760	5.572	5.521	5.590	5.754	5.590	5.534	5.640	5.552	5.704	5.424	5.409	5.597	5.850	5.868	5.618	5.741	5.928	5.839	5.846	5.740
1445791	at	NA	BG068219	NA	NA	4.396	4.277	4.387	4.171	4.254	4.258	4.134	4.239	4.354	4.387	4.277	4.193	4.316	4.371	4.428	4.376	4.348	4.485	4.398	4.431	4.427	4.261	4.258	4.266
1445792	at	NA	BG071073	NA	NA	5.643	5.718	5.500	5.406	5.458	5.219	5.420	5.435	5.420	5.530	5.420	5.515	5.219	5.285	5.592	5.241	5.455	5.366	5.723	5.397	5.291	5.434	5.465	5.445
1445793	at	NA	BG068455	NA	NA	6.944	6.581	7.082	6.908	6.954	6.853	7.152	7.044	6.845	6.834	6.856	7.001	6.929	6.864	7.003	7.053	7.018	7.108	6.967	6.921	6.960	7.000	7.037	7.024
1445794	at	NA	BG069734	NA	NA	4.888	4.817	4.799	4.878	4.718	4.876	4.886	4.867	4.863	4.786	4.814	4.826	4.877	4.890	4.884	5.009	4.959	5.320	4.965	4.789	5.105	4.908	5.035	4.928
1445795	at	AU022848	BG068422	NA	19	6.753	6.535	6.688	6.704	6.789	6.845	6.634	6.585	6.558	6.604	6.640	6.502	6.649	6.732	6.640	6.767	6.614	6.624	6.662	6.632	6.727	6.720	6.769	6.886
1445796	at	NA	BG069405	NA	NA	7.570	7.202	7.360	7.581	7.717	7.445	7.412	7.431	7.532	7.208	7.346	7.251	7.315	7.390	7.318	7.415	7.603	7.476	7.376	7.481	7.457	7.576	7.704	7.293
1445797	at	NA	BG069047	NA	NA	5.325	4.895	4.991	4.900	4.825	5.075	5.248	4.894	4.890	5.503	5.136	5.064	5.099	5.074	5.005	5.083	5.089	5.038	5.232	5.192	5.036	4.797	5.165	5.059
1445798	at	Dia1	BB297161	Mm.382	16	4.334	4.238	4.229	4.227	4.226	4.171	3.953	4.207	4.188	4.083	4.186	4.117	4.224	4.086	4.005	4.241	4.336	4.180	4.106	4.331	4.315	4.237	4.264	4.169
1445799	at	NA	BB015879	NA	NA	7.214	6.257	6.425	6.425	6.509	6.431	6.422	6.258	6.293	6.374	6.437	6.170	6.314	6.289	6.332	6.570	6.363	6.362	6.570	6.363	6.362	6.570	6.363	6.362
1445800	at	NA	BG069101	NA	NA	5.959	5.750	5.967	5.944	5.911	5.890	5.973	5.884	5.883	5.800	5.955	5.867	5.746	5.825	5.819	5.944	6.031	5.806	5.932	6.154	5.908	5.787	5.861	5.916
1445801	at	NA	BB466114	NA	NA	9.219	8.903	9.243	9.038	9.002	9.073	9.096	9.044	9.058	9.017	9.115	8.873	9.026	9.010	9.061	9.244	9.078	8.981	9.022	9.140	9.106	9.093	9.232	9.175
1445802	at	NA	BG070893	NA	NA	7.090	6.712	7.102	7.113	6.869	6.898	7.027	6.956	7.056	6.827	7.158	7.017	6.941	7.032	6.937	7.068	7.027	7.002	6.953	7.274	6.860	6.927	7.084	6.846
1445803	at	NA	BG070869	NA	NA	3.659	3.702	3.797	3.591	3.678	3.643	3.678	3.589	3.570	3.719	3.637	3.676	3.653	3.553	3.613	3.847	3.659	3.692	3.551	3.705	3.586	3.660	3.753	3.677
1445804	at	NA	BB667304	NA	NA	5.075	4.950	5.044	4.932	4.718	5.003	4.770	4.679	5.090	5.258	4.978	4.823	5.080	4.982	5.074	5.006	4.927	5.005	5.000	4.832	4.726	4.599	4.782	4.842
1445805	x at	Kcnh3	BG069378	Mm.374793	15	9.338	8.919	9.211	9.208	9.006	9.173	9.259	9.140	8.897	8.933	9.073	8.874	9.115	9.005	9.114	9.139	9.149	9.109	9.127	9.256	9.171	9.137	9.235	9.266
1445806	at	NA	BG067719	Mm.173068	12	5.918	5.796	6.006	6.008	5.180	5.011	5.270	5.042	4.953	5.063	5.010	4.974	5.058	5.064	5.058	5.040	5.0							

1445854	at	C230004F18Rik	BB380166	Mm.127263	X		6.143	6.124	6.206	6.067	5.993	6.110	6.254	5.957	6.057	5.973	6.325	6.063	6.085	6.175	6.383	6.232	6.031	6.111	6.162	6.511	6.070	6.274	6.395	6.279
1445855	at	A030007L17Rik	BB010702	Mm.294708		6	5.635	5.464	5.378	5.682	5.707	5.654	5.757	5.567	5.360	5.587	5.705	5.629	5.459	5.481	5.650	5.628	5.664	5.714	5.627	5.636	5.820	5.670	5.764	5.930
1445856	at	60304443007Rik	BM194997	Mm.212609		19	7.464	6.842	7.248	7.043	6.982	7.071	6.992	7.045	6.825	6.920	7.185	6.752	7.140	7.077	6.908	6.913	7.004	7.045	7.003	7.338	7.204	6.890	7.199	7.086
1445857	at	BC026585	AI267133	Mm.215960		1	4.820	4.476	4.746	4.485	4.713	4.789	4.883	4.727	5.056	4.727	4.591	4.811	4.739	4.808	4.711	4.741	4.656	4.635	4.686	4.936	4.494	4.573	4.588	4.832
1445858	at	4833439G19Rik	AV284087	Mm.425640		10	6.636	6.239	6.688	6.530	6.298	6.434	6.578	6.169	6.300	6.262	6.412	6.173	6.287	6.361	6.379	6.374	6.434	6.523	6.632	6.451	6.250	6.422	6.534	6.577
1445859	at	NA	BG069141	NA	NA		6.646	6.257	6.436	6.350	6.477	6.290	6.548	6.716	6.365	6.494	6.082	6.285	6.371	6.435	6.390	6.465	6.147	6.513	6.557	6.628	6.827	6.631	6.815	6.855
1445860	at	Tsnan11	BB004011	Mm.174368			6.5287	4.888	5.077	5.230	5.061	4.904	5.031	5.100	5.168	5.079	5.146	5.088	5.084	5.243	5.028	4.954	5.093	4.986	5.112	5.482	5.157	4.849	5.157	5.119
1445861	at	Usp25	BB452529	Mm.40986		16	7.405	6.966	7.311	7.477	7.369	7.517	7.285	7.262	7.221	7.142	7.297	7.173	7.210	7.299	7.433	7.475	7.365	7.464	7.617	7.518	7.473	7.223	7.774	7.513
1445862	at	4921513D23Rik	BB123487	Mm.379361		16	8.102	8.007	8.113	8.324	8.252	8.302	8.009	7.899	8.219	8.201	7.819	8.402	8.119	8.141	8.231	8.171	8.303	8.282	8.025	8.155	8.259	8.238	8.998	8.068
1445863	at	Vva3a	AV274723	Mm.389939		7	5.525	5.618	5.838	5.634	5.883	5.445	5.801	5.458	5.431	5.592	5.521	5.498	5.419	5.481	5.540	5.254	5.263	5.454	5.570	5.639	5.467	5.557	5.202	5.509
1445864	at	NA	BB181260	NA	NA		7.685	7.138	7.650	7.744	7.589	7.489	7.829	7.776	7.463	7.484	7.851	7.633	7.599	7.593	7.781	7.648	7.807	7.673	7.694	7.747	7.675	7.758	7.683	7.753
1445865	at	NA	BG068463	NA	NA		6.003	5.868	6.114	5.977	5.974	5.934	6.021	5.961	5.858	5.754	5.953	5.865	5.808	5.893	6.016	6.103	5.968	6.120	5.953	6.032	6.170	5.944	6.223	5.937
1445866	at	NA	BB152945	Mm.202606		13	7.245	7.313	7.307	7.455	7.641	7.444	7.076	6.816	7.378	7.398	7.221	7.247	7.405	7.198	7.443	7.548	6.974	7.002	6.966	6.926	7.745	6.997	7.453	7.179
1445867	at	AL023008	BB533367	NA		7	7.439	7.142	7.326	7.270	7.367	7.285	7.193	7.193	7.374	7.286	7.395	7.214	7.207	7.367	7.365	7.219	7.313	7.371	7.299	7.591	7.291	7.285	7.663	7.239
1445868	at	Cpeb3	AV282552	Mm.391176		19	7.757	7.694	7.950	7.933	7.666	7.729	7.871	7.607	7.553	7.588	7.595	7.770	7.556	7.553	7.688	7.839	7.806	7.851	7.741	7.870	7.886	7.808	7.846	7.854
1445869	at	NA	BE980200	NA	NA		6.253	6.050	6.292	6.424	6.148	6.119	6.367	6.128	6.189	6.024	6.658	6.274	6.236	6.174	6.293	6.285	6.135	6.318	6.311	6.466	6.381	6.155	6.288	6.199
1445870	at	NA	BB367621	NA	NA		6.576	6.541	6.442	6.721	6.771	6.631	6.598	6.589	6.327	6.176	6.628	6.342	6.291	6.112	6.435	6.436	6.636	6.278	6.165	6.343	6.753	6.602	6.861	6.498
1445871	at	AI315376	NA	NA		8	5.767	5.549	5.594	5.833	5.394	5.603	5.626	5.675	5.569	5.232	5.663	5.734	5.520	5.685	5.411	5.569	5.770	5.846	5.417	5.625	5.520	5.453	5.476	5.566
1445872	at	Nrb1	AV264175	Mm.258397		2	5.212	4.808	5.288	5.173	5.027	5.054	5.140	5.048	4.854	4.993	4.967	4.779	4.863	4.986	4.929	5.216	5.128	5.100	5.086	5.307	5.029	5.037	5.042	5.114
1445873	at	NA	BB156236	Mm.171977		9	6.460	6.051	6.724	6.811	6.847	7.055	6.844	6.356	6.143	6.325	6.322	6.345	6.268	6.364	6.501	6.565	6.686	6.764	6.692	6.640	6.703	7.429	7.143	6.706
1445874	at	NA	BB470735	NA	NA		6.376	5.846	6.488	6.080	6.018	6.117	6.247	6.197	6.000	5.962	6.161	6.054	6.140	5.944	6.197	6.175	6.160	6.291	6.339	6.264	6.399	6.192	6.039	6.486
1445875	at	A230057D06Rik	AV273152	Mm.437993		7	4.459	4.508	4.523	4.333	4.344	4.585	4.631	4.483	4.499	4.591	4.389	4.233	4.569	4.362	4.318	4.419	4.465	4.708	4.682	4.460	4.511	4.489	4.512	4.436
1445876	at	NA	BG068350	NA	NA		5.482	5.256	5.562	5.597	5.559	5.562	5.454	5.747	5.662	5.563	5.627	5.672	5.556	5.467	5.524	5.559	5.369	5.417	5.630	5.532	5.600	5.376	5.713	5.927
1445877	at	Rfcsd	BB448877	Mm.266515		13	4.861	4.856	5.299	4.851	4.916	4.996	5.060	4.863	4.614	4.789	4.855	4.802	4.834	4.751	4.756	5.024	4.992	5.360	5.260	5.224	4.971	5.375	4.971	4.960
1445878	at	C230060G11Rik	BE630205	Mm.131285		9	7.062	6.656	7.125	7.041	6.839	7.039	7.136	7.110	6.899	6.695	6.775	6.761	7.110	7.017	6.881	6.978	7.165	7.038	7.064	7.122	7.202	6.980	7.095	7.064
1445879	at	zfp507	BB175455	Mm.286296		7	5.680	5.933	5.657	5.818	6.072	5.845	5.876	6.026	5.902	6.025	5.889	6.075	5.786	6.066	5.729	6.226	6.036	5.970	6.045	6.340	5.899	5.805	5.907	6.204
1445880	at	NA	AI236424	NA	NA		4.364	4.132	4.244	4.224	4.264	4.234	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294	4.369	4.294
1445881	at	C230035P21Rik	BG230003	NA		19	5.538	5.895	5.866	6.067	6.053	5.807	5.400	5.988	5.685	6.141	5.988	5.685	6.141	5.988	5.685	6.141	5.988	5.685	6.141	5.988	5.685	6.141	5.988	5.685
1445882	at	C3000lb	BB230267	Mm.185355		11	7.081	8.501	6.983	7.168	7.473	7.002	7.326	7.039	9.308	8.871	8.057	7.769	8.185	8.986	7.781	7.143	6.551	6.695	7.128	6.975	6.725	6.701	6.962	7.074
1445883	at	Randp2	BB234090	Mm.431695		10	7.153	6.971	6.890	6.986	6.881	7.279	7.111	6.981	6.819	6.887	6.980	6.866	6.820	6.933	7.216	7.197	6.857	6.925	6.861	7.092	6.903	6.892	7.166	7.137
1445884	at	NA	AW321863	NA	NA		5.811	5.533	8.190	8.394	8.241	8.206	8.397	8.322	8.510	8.484	8.132	7.962	8.091	8.021	8.627	8.160	8.427	8.645	8.781	8.907	8.595	8.612	9.072	8.803
1445885	at	Ube2d2	BB153432	Mm.180052		18	5.533	5.046	5.097	5.129	5.167	5.818	5.256	5.187	5.055	5.432	5.247	5.173	5.103	5.196	5.174	4.909	5.151	5.026	5.016	5.237	5.122	5.057	5.176	5.115
1445886	at	NA	AV544251	Mm.4454		10	7.362	7.967	7.373	7.005	7.929	6.876	7.200	7.729	8.204	8.231	8.023	7.632	7.459	7.260	7.877	7.174	7.468	7.973	7.566	7.522	7.730	7.786	7.706	7.098
1445887	at	NA	BB049570	NA	NA		6.339	6.167	6.153	6.345	6.219	6.400	6.255	6.475	6.425	6.190	6.353	6.371	6.339	6.226	6.260	6.224	6.027	6.285	6.358	6.285	6.293	6.113	6.601	6.343
1445888	at	NA	BG070921	Mm.273659		9	5.809	5.955	5.777	5.858	5.255	5.245	5.314	5.936	5.263	5.232	5.932	5.847	5.270	5.983	5.925	6.236	6.402	6.236	6.402	6.236	6.402	6.236	6.402	6.236
1445889	at	NA	BE980129	NA	NA		5.790	5.509	5.660	5.590	5.605	5.456	5.613	5.569	5.778	5.666	5.721	5.625	5.717	5.677	5.577	5.678	5.806	5.514	5.652	5.569	5.615	5.679	5.714	5.819
1445890	at	C230079E05Rik	BB381460	Mm.447275		15	7.156	6.930	7.232	7.292	7.268	7.099	7.397	7.271	7.177	7.028	7.482	6.944	7.289	7.228	7.215	7.243	7.134	7.218	7.155	7.419	7.286	6.970	7.314	7.174
1445891	at	AF529169	BE955978	Mm.242899		9	7.567	7.402	7.596	7.500	7.526	7.532	7.513	7.531	7.429	7.430	7.634	7.424	7.596	7.449	7.559	7.548	7.581	7.697	7.527	7.573	7.459	7.621	7.931	7.758
1445892	at	NA	BM238318	NA	NA		8.268	7.960	7.982	8.279	8.507	8.262	8.023	8.275	7.927	7.603	7.989	8.101	8.201	7.895	7.896	8.098	8.135	8.040	7.763	8.167	8.370	8.390	8.709	8.081
1445893	at	NA	AI854443	Mm.37371		4	6.915	6.861	6.923	7.015	6.937	6.743	7.003	6.886	6.852	6.780	7.016	7.119	7.048	7.015	6.789	6.747	7.110	7.261	7.138	7.003	7.261	7.073	6.889	6.908
1445894	at	NA	BE944618	NA	NA		6.066	5.736	6.046	6.020	5.894	5.779	6.007	5.979	5.633	5.903														

1445943	at	NA	BG071766	NA	NA	6.553	6.339	6.332	6.473	6.272	6.259	6.302	6.287	6.561	6.190	6.384	6.177	6.424	6.254	6.190	6.464	6.332	6.343	6.312	6.583	6.640	6.363	6.054	6.547	
1445944	at	NA	BG072805	NA	NA	4.321	4.431	4.316	4.226	4.280	4.334	4.416	4.355	4.387	4.327	4.471	4.345	4.330	4.348	4.211	4.292	4.429	4.062	4.194	4.354	4.396	4.142	4.323	4.324	
1445945	at	AU021880	BG068075	Mm.353036	16	4.164	4.038	4.188	4.152	4.193	4.171	4.138	4.187	4.011	4.138	4.214	4.047	4.096	4.080	4.232	4.117	4.101	4.020	4.242	4.090	4.118	4.195	4.216	4.190	
1445946	at	NA	BG066447	NA	NA	7.679	7.151	7.506	7.509	7.412	7.309	7.408	7.333	7.276	7.151	7.355	7.321	7.417	7.075	7.334	7.449	7.382	7.384	7.354	7.361	7.455	7.292	7.440	7.459	
1445947	at	NA	BG074724	NA	NA	6.791	6.685	6.783	6.599	6.689	6.787	6.668	6.830	6.615	6.534	6.850	6.644	6.743	6.661	6.604	6.856	6.684	6.726	6.646	6.672	6.691	6.590	6.730	6.665	
1445948	at	NA	BG075843	NA	NA	4.213	4.410	4.510	4.645	4.307	4.411	4.681	4.271	4.424	4.317	4.556	4.382	4.390	4.467	4.650	4.474	4.504	4.452	4.461	4.602	4.524	4.416	4.867	4.395	
1445949	at	NA	BG069486	NA	NA	5.372	5.387	5.209	5.467	5.468	5.434	5.530	5.538	5.563	5.540	5.436	5.429	5.569	5.454	5.305	5.780	5.497	5.528	5.526	5.426	5.465	5.569	5.412		
1445950	at	C87926	BG067908	Mm.442028	10	5.612	5.465	5.604	5.639	5.489	5.267	5.667	5.790	5.616	5.163	5.425	5.609	5.400	5.493	5.560	5.481	5.640	5.484	5.396	5.588	5.766	5.562	5.734	5.538	
1445951	at	C86345	BG067437	NA	9	5.169	4.955	5.472	5.404	5.204	5.105	5.546	5.203	5.286	4.986	5.322	4.976	5.273	5.088	5.345	5.396	5.083	5.347	5.374	5.643	5.468	5.207	5.388	5.441	
1445952	at	NA	BG076125	NA	NA	7.306	7.265	7.163	7.290	7.288	7.355	7.127	7.198	7.284	7.025	7.343	7.192	7.367	7.103	7.330	7.148	7.045	7.118	7.251	7.174	6.984	7.267	7.120	7.054	
1445953	at	D17Erd191e	BG066258	Mm.422472	17	5.244	4.893	4.889	4.526	4.693	4.989	5.043	4.641	4.578	4.493	5.116	4.692	4.698	4.875	4.845	5.040	4.886	4.766	4.953	5.175	4.760	4.787	5.014	4.943	
1445954	at	C81354	BG067015	NA	11	6.754	6.124	6.649	6.558	6.588	6.594	6.458	6.670	6.521	6.342	6.534	6.450	6.312	6.548	6.624	6.664	6.514	6.369	6.636	6.547	6.560	6.522	6.552	6.594	
1445955	at	NA	BG073150	NA	NA	7.289	7.267	7.293	7.449	7.315	7.065	7.067	7.360	7.122	7.296	7.212	7.297	7.379	7.309	7.267	7.491	7.705	7.523	7.374	7.326	7.356	7.596	7.245	7.170	
1445956	at	NA	BG068752	NA	NA	4.413	4.154	4.433	4.264	4.398	4.245	4.367	4.350	4.485	4.347	4.559	4.158	4.313	4.302	4.340	4.367	4.317	4.398	4.252	4.359	4.392	4.296	4.356	4.389	
1445957	at	NA	BG072861	NA	NA	6.772	6.467	6.711	6.685	6.645	6.837	6.684	6.696	6.799	6.712	6.824	6.666	6.779	6.736	6.809	6.566	6.624	6.877	6.655	6.819	6.769	6.520	6.847	6.595	
1445958	at	NA	BG073431	NA	NA	7.716	7.120	7.770	7.689	7.531	7.705	7.794	7.678	7.470	7.631	7.616	7.449	7.572	7.790	7.788	7.676	7.790	7.716	7.681	7.903	7.749	7.584	7.885	7.808	
1445959	at	NA	BG070525	NA	NA	5.937	6.050	6.034	6.088	6.014	6.057	6.094	6.002	6.028	5.826	6.143	5.826	5.963	6.005	6.057	6.207	6.127	5.983	6.219	6.249	6.152	5.687	6.162	6.200	
1445960	at	NA	BG076177	NA	NA	5.760	5.510	5.980	5.580	5.603	5.706	5.725	5.620	5.890	5.805	5.576	6.033	5.734	5.819	5.883	5.804	5.725	5.588	5.755	5.882	5.949	5.778	5.639	5.895	5.760
1445961	at	NA	BG071636	NA	NA	7.637	7.312	7.635	7.549	7.521	7.643	7.775	7.599	7.500	7.396	7.557	7.340	7.448	7.528	7.616	7.839	7.640	7.655	7.561	7.885	7.688	7.694	7.818	7.911	
1445962	at	NA	BG067856	NA	NA	5.094	4.631	4.800	5.076	4.942	5.026	4.993	4.819	4.741	4.563	4.858	4.649	4.738	4.822	4.981	4.904	4.893	4.799	5.044	5.220	4.956	4.986	5.283	4.926	
1445963	at	NA	BG076280	NA	NA	6.187	6.128	6.219	6.389	6.199	6.332	6.080	6.187	6.156	6.197	6.585	6.099	6.243	6.101	6.130	6.157	6.270	6.367	6.292	6.207	6.222	6.265	6.113	5.953	
1445964	at	NA	BG067899	NA	NA	4.447	4.425	4.410	4.406	4.461	4.376	4.525	4.494	4.436	4.206	4.388	4.362	4.337	4.351	4.574	4.545	4.409	4.521	4.522	4.774	4.598	4.643	4.487	4.519	
1445965	at	NA	BB037433	NA	NA	6.768	7.147	6.672	6.376	6.788	6.713	6.460	6.797	7.471	6.991	6.984	7.062	7.093	6.841	6.986	6.435	6.293	6.541	6.378	6.688	6.187	6.351	6.623	6.115	
1445966	at	NA	BG075586	NA	NA	8.911	8.978	8.801	8.929	8.702	8.609	8.643	8.787	9.103	8.985	9.332	8.910	8.581	8.569	8.964	8.687	8.823	8.858	8.636	8.577	8.775	8.902	8.780	8.470	
1445967	at	AU022331	BG068222	NA	9	6.368	5.933	6.254	6.352	6.239	6.229	6.302	6.218	6.165	6.150	6.335	6.080	6.226	6.061	6.220	6.274	6.219	6.336	6.322	6.279	6.203	6.175	6.304	6.104	
1445968	at	NA	BG074728	NA	NA	5.759	5.492	5.680	5.513	5.588	5.796	5.578	5.686	5.513	5.594	5.692	5.604	5.392	5.532	5.763	5.855	5.983	5.906	5.646	5.814	5.672	5.560	5.649	5.880	
1445969	at	NA	BG075071	NA	NA	6.049	5.571	7.368	6.288	6.184	6.085	6.276	6.270	7.959	8.378	7.506	7.202	7.518	7.677	7.677	7.520	7.687	7.538	7.517	7.517	7.517	7.517	7.541	7.541	
1445970	at	Abilm2	BG068300	Mm.254446	5	8.269	8.119	8.106	8.440	8.176	8.378	8.173	8.356	8.276	8.309	8.122	8.342	8.366	8.183	8.250	8.300	8.355	8.333	8.111	8.622	8.111	8.385	8.611	8.385	
1445971	at	NA	BG075371	NA	NA	7.391	7.132	7.269	7.286	7.267	7.319	7.299	7.260	7.264	7.206	7.404	7.184	7.363	7.285	7.281	7.357	7.216	7.390	7.282	7.597	7.224	7.240	7.380	7.205	
1445972	at	Ush2a	BG069135	Mm.331238	1	6.529	6.615	6.515	6.329	6.396	6.482	6.520	6.472	6.582	5.996	6.353	6.444	6.552	6.452	6.487	6.430	6.576	6.541	6.508	6.792	6.638	6.611	6.665	6.812	
1445973	at	C79461	BG066519	NA	7	7.282	6.968	7.116	7.342	7.318	7.287	7.344	7.154	7.251	7.104	7.420	7.248	7.303	7.365	7.318	7.314	7.290	7.073	7.284	7.374	7.346	7.285	7.716	7.357	
1445974	at	NA	BG068665	NA	NA	4.550	4.553	4.557	4.563	4.393	4.569	4.589	4.617	4.482	4.454	4.551	4.514	4.597	4.581	4.684	4.616	4.584	4.526	4.737	4.648	4.612	4.512	4.655	4.410	
1445975	at	NA	BG069037	NA	NA	6.477	6.321	6.320	6.380	6.201	6.241	6.328	6.353	5.978	6.120	6.292	6.116	6.170	6.406	6.178	6.313	6.275	6.041	6.352	6.274	6.386	6.109	6.385	6.413	
1445976	at	C80279	BG066771	NA	2	4.512	4.447	4.629	4.487	4.250	4.359	4.482	4.288	4.208	4.416	4.290	4.170	4.216	4.419	4.542	4.459	4.442	4.427	4.458	4.724	4.459	4.445	4.667	4.901	
1445977	at	100039130	BG069575	Mm.394885	15	5.393	5.139	5.706	5.203	5.488	5.745	5.521	5.497	5.246	5.230	5.189	5.345	5.139	5.222	5.393	5.559	5.339	5.245	5.326	5.339	5.454	5.253	5.454	5.454	
1445978	at	NA	BG073201	NA	NA	4.340	4.120	4.381	4.229	4.422	4.344	4.381	4.336	4.358	4.212	4.385	4.367	4.400	4.346	4.182	4.591	4.339	4.388	4.457	4.671	4.352	4.158	4.332	4.491	
1445979	at	NA	AW556294	NA	NA	4.156	4.114	4.159	4.162	4.224	4.176	4.163	4.194	4.191	4.060	4.155	4.044	4.118	4.149	4.184	4.260	4.217	4.075	4.136	4.299	4.201	4.014	4.284	4.068	
1445980	at	NA	BG076366	NA	NA	5.940	5.974	5.994	5.815	6.063	6.032	6.061	5.816	5.983	5.828	6.098	5.919	6.051	5.994	5.894	5.839	6.196	5.980	5.878	6.031	5.959	5.898	5.983	5.819	
1445981	at	NA	BG073361	NA	NA	5.961	5.507	5.767	5.769	5.709	5.728	5.574	5.823	5.504	5.726	5.682	5.643	5.573	5.728	5.738	5.828	5.901	5.907	5.580	6.052	5.831	5.785	5.990	5.812	
1445982	at	NA	BG069042	NA	NA	4.863	4.593	4.726	4.415	4.493	4.746	4.855	4.779	4.641	4.763	4.687	4.534	4.537	4.557	4.751	4.469	4.474	4.722	4.722	4.763	4.548	4.495	4.798	4.879	
1445983	at	NA	BG066776	NA	NA	4.347	4.198	4.525	4.376	4.417	4.321	4.523	4.350	4.387	4.302	4.470	4.418	4.398	4.326	4.404	4.619	4.346	4.452	4.408	4.488	4.438	4.365	4.387	4.414	
1445984	at	NA	BG067193	NA	NA	6.049	6.130	6.046	5.792	6.281	6.776	6.890	6.290	6.348	6.350	6.277	6.016	6.264	6.277	6.016	6.264	6.277	6.016	6.264						

1446032	at	NA	BG068623	NA	NA	4.877	4.673	4.994	4.824	4.981	5.162	5.019	4.909	4.701	4.738	4.891	4.772	4.739	4.763	4.843	4.964	5.077	4.999	4.986	5.014	4.765	4.692	4.969	4.876	
1446033	at	C87882	BG067895	Mm.442027	9	7.554	7.305	7.509	7.524	7.480	7.535	7.509	7.469	7.364	7.492	7.584	7.499	7.425	7.480	7.550	7.587	7.347	7.417	7.537	7.509	7.531	7.509	7.565	7.599	
1446034	at	LOC432842	B0175081	Mm.352566	14	7.923	7.561	8.039	7.859	7.728	7.803	7.782	7.631	7.547	7.527	7.697	7.734	7.602	7.798	7.805	7.998	7.763	7.592	7.805	7.977	7.724	7.484	7.787	7.698	
1446035	at	EG563104	BG071857	Mm.459420	X	4.434	4.270	4.513	4.302	4.277	4.503	4.659	4.529	4.310	4.318	4.442	4.275	4.403	4.418	4.454	4.513	4.533	4.595	4.480	4.687	4.488	4.421	4.498	4.515	
1446036	at	AU018728	BG069398	Mm.26134	18	5.306	5.376	5.496	5.675	5.575	5.561	5.589	5.677	5.755	5.585	5.392	5.512	5.798	5.512	5.490	5.675	5.393	5.600	5.489	5.768	5.587	5.508	5.591	5.389	
1446037	at	NA	BG075413	NA	NA	4.737	4.382	4.642	4.704	4.447	4.537	4.777	4.439	4.467	4.672	4.609	4.458	4.482	4.585	4.654	4.829	4.572	4.651	4.507	4.587	4.653	4.527	4.658	4.747	
1446038	at	Ccr9	BB124544	Mm.440604	9	5.444	4.664	5.285	5.077	4.948	5.360	5.214	5.049	4.948	5.025	5.187	4.850	4.841	4.942	5.144	5.182	5.270	5.470	5.293	5.261	4.995	4.983	5.028	5.153	
1446039	at	NA	BG073160	NA	NA	7.962	7.711	7.896	7.981	7.633	7.981	7.870	7.767	7.797	7.656	7.902	7.882	7.826	7.855	7.817	7.787	7.860	7.754	7.858	7.925	7.885	7.841	8.044	7.903	
1446040	at	NA	BG072864	NA	NA	8.482	8.013	8.327	8.355	8.403	8.284	8.385	8.281	8.341	8.127	8.322	8.230	8.294	8.254	8.332	8.393	8.522	8.298	8.340	8.449	8.589	8.352	8.529	8.315	
1446041	at	NA	BB343268	NA	NA	5.830	5.666	5.999	5.825	5.787	5.877	5.770	5.923	5.720	5.798	6.156	5.862	6.102	5.731	5.849	6.119	5.776	5.955	5.917	5.965	5.983	5.893	5.911	5.813	
1446042	at	NA	BG068241	NA	NA	3.945	3.812	3.793	3.993	4.061	3.951	4.015	3.960	3.924	3.981	3.911	3.787	3.834	3.857	3.857	4.089	3.883	4.022	4.057	3.859	3.888	3.944	4.008	3.914	
1446043	at	C81086	BG066949	NA	13	6.254	6.415	6.400	6.451	6.325	6.204	6.304	6.415	6.230	6.083	6.279	6.197	6.334	6.449	6.233	6.362	6.254	6.468	6.385	6.467	6.298	6.375	6.503	6.287	
1446044	at	AU015581	BG070319	NA	4	6.166	6.017	6.239	6.112	6.244	6.364	6.254	6.009	6.037	5.926	6.222	6.002	6.230	5.950	6.073	6.125	6.123	6.069	6.223	6.240	6.10	5.950	6.156	6.267	
1446045	at	C8024581	BG069074	Mm.442359	8	5.105	4.959	5.172	5.149	4.843	5.058	5.043	5.041	4.884	4.910	5.253	5.133	5.087	4.887	5.073	5.104	5.023	5.053	5.247	5.229	5.065	5.031	5.006	5.006	
1446046	at	NA	BG064866	NA	NA	7.263	6.547	6.849	6.854	6.776	7.172	6.890	6.561	6.122	6.242	6.432	6.625	6.271	6.468	6.655	7.075	6.956	6.683	6.805	6.913	6.776	6.939	6.991	7.735	
1446047	at	NA	BG075399	NA	NA	7.315	7.048	7.220	7.163	7.323	6.917	7.075	7.099	7.519	7.454	7.097	7.426	7.522	7.215	7.177	7.270	6.944	7.152	7.268	6.996	7.204	7.027	7.579	7.030	
1446048	at	NA	BG072720	NA	NA	6.608	6.022	6.730	6.489	6.399	6.672	6.673	6.397	6.531	6.645	6.503	6.397	6.637	6.316	6.581	6.510	6.458	6.548	6.440	6.677	6.312	6.441	6.510	6.549	
1446049	at	NA	AW552772	NA	NA	6.074	5.877	6.024	6.189	6.034	5.875	6.025	5.981	5.763	5.865	6.254	5.848	6.004	5.994	5.760	5.868	5.892	5.781	5.708	6.149	5.958	6.039	6.012	6.163	
1446050	at	NA	BG074383	NA	NA	6.275	6.599	6.351	6.524	6.813	6.363	6.425	6.428	6.542	6.706	6.676	6.608	6.987	6.495	6.368	6.354	6.649	6.512	6.526	6.519	6.377	6.774	6.558	6.195	
1446052	at	Gm1140	BG075960	Mm.476607	X	4.731	4.561	4.569	4.574	4.680	4.592	4.533	4.537	4.435	4.588	4.564	4.482	4.709	4.563	4.619	4.514	4.565	4.648	4.588	4.744	4.621	4.467	4.588	4.596	
1446053	at	NA	BG067939	NA	NA	4.829	4.828	4.999	4.794	4.775	4.875	4.850	4.856	4.676	4.835	4.971	4.735	4.832	4.789	4.961	4.869	4.794	5.009	4.885	4.948	4.777	4.795	4.830	4.886	
1446053	at	NA	BG065039	NA	NA	6.237	5.869	6.277	5.957	6.266	6.053	6.030	6.199	6.018	6.250	6.036	5.880	5.976	5.709	5.982	6.129	6.230	5.988	5.975	6.002	5.923	6.044	6.182	6.383	
1446054	at	NA	BG063476	NA	NA	6.603	6.400	6.736	6.644	6.611	6.493	6.756	6.638	6.631	6.615	6.638	6.683	6.740	6.723	6.598	6.701	6.723	6.591	6.735	6.765	6.607	6.621	6.657	6.720	
1446055	at	NA	BB282903	NA	NA	7.359	6.986	7.148	7.075	7.327	7.206	7.246	7.267	7.378	7.230	7.264	7.190	7.276	7.273	7.399	7.203	7.167	7.357	7.296	7.308	7.369	7.178	7.432	7.275	
1446056	at	NA	BB370128	NA	NA	6.375	6.187	6.304	6.520	6.509	6.192	6.393	6.395	6.347	6.242	6.465	6.226	6.528	6.375	6.450	6.349	6.406	6.222	6.472	6.476	6.226	6.237	6.493	6.375	
1446057	at	Rif	BB293666	Mm.215745	4	9.106	9.344	9.130	9.021	9.029	9.143	9.130	8.893	9.038	8.989	8.834	8.979	8.987	9.211	8.968	9.067	9.145	9.070	8.931	9.049	8.931	8.823	9.107	8.919	
1446058	at	NA	BG069376	NA	NA	6.459	6.459	6.506	6.506	6.506	6.474	6.506	6.374	6.430	6.095	6.470	6.493	6.095	6.470	6.493	6.507	6.507	6.506	6.506	6.506	6.506	6.506	6.506	6.506	
1446059	at	NA	BG072433	NA	NA	8.500	7.635	7.901	7.995	7.679	7.868	7.118	7.861	7.967	7.868	7.063	7.764	7.902	8.035	7.764	7.980	7.980	7.980	7.980	7.980	7.980	7.980	7.980	7.980	
1446060	at	9230109A22Rik	BB073503	Mm.117475	15	7.165	6.901	6.959	7.186	7.135	7.034	7.171	7.010	6.933	6.908	7.134	6.654	7.053	6.961	6.892	6.953	7.038	7.006	7.192	7.490	7.047	6.884	7.350	7.170	
1446061	at	NA	BB226401	NA	NA	5.271	4.743	4.886	5.148	5.083	5.112	5.124	5.348	5.072	4.934	5.246	5.065	5.135	5.187	5.139	5.189	5.283	5.138	5.369	5.260	5.145	5.319	5.504	5.186	
1446062	at	BB30028B13Rik	BB328910	Mm.323610	7	7.061	6.895	7.133	6.957	6.978	6.943	7.081	6.966	6.912	7.009	7.150	6.889	7.093	6.867	6.982	7.056	7.181	7.090	7.070	7.167	6.998	6.826	7.055	7.160	
1446063	at	NA	BB667700	Mm.473580	15	7.122	6.841	7.066	7.322	7.119	6.959	7.261	7.218	7.038	6.863	7.328	7.169	7.132	7.235	7.248	7.301	7.144	7.222	7.299	7.353	7.072	7.007	7.095	7.271	
1446064	at	NA	BG068831	NA	NA	4.765	4.617	4.828	4.631	4.635	4.897	4.779	4.749	4.581	4.548	4.798	4.536	4.671	4.684	4.580	4.745	4.624	4.848	4.774	4.835	4.759	4.649	4.926	4.929	
1446065	at	NA	AW557538	NA	NA	8.184	7.139	8.373	8.261	7.987	8.538	8.507	9.967	9.979	7.741	4.414	7.009	7.343	6.872	7.487	7.273	8.244	8.812	8.432	8.815	8.616	7.597	7.869	7.882	7.922
1446066	at	Gchc17	BB107292	Mm.297196	4	7.730	6.582	7.791	7.979	6.646	6.894	7.538	7.904	6.626	6.775	6.856	6.865	7.931	6.862	6.804	6.804	6.804	6.804	6.804	6.804	6.804	6.804	6.804	6.804	
1446067	at	NA	BG075609	NA	NA	7.138	6.981	7.172	7.075	7.040	7.065	6.975	7.111	7.466	7.157	7.160	7.057	7.123	7.311	7.200	7.145	7.167	7.080	7.149	6.962	7.281	7.147	7.191	7.072	
1446068	at	Adk	BB053697	Mm.188734	14	6.081	5.773	6.274	5.625	5.659	5.984	5.764	5.817	5.136	5.147	5.430	5.411	5.346	5.119	5.708	5.838	6.417	5.785	5.605	5.705	6.438	6.655	5.831	6.320	
1446069	at	NA	BB667786	NA	NA	7.885	7.204	7.700	7.803	7.774	7.707	7.496	7.462	7.046	6.840	7.352	7.457	7.399	7.382	7.426	7.782	7.800	7.736	7.731	8.206	7.949	8.597	8.085	7.731	
1446070	at	Tyvv1	BB297402	Mm.271296	5	8.324	8.052	8.363	8.371	8.305	8.232	8.228	8.478	8.372	8.207	8.240	8.181	8.355	8.289	8.328	8.423	8.444	8.601	8.250	8.441	8.328	8.467	8.274	8.347	
1446071	at	Steap2	BB529332	Mm.274956	5	3.877	3.944	3.874	3.859	3.929	3.814	3.681	3.824	3.821	3.945	3.859	3.706	3.822	4.114	3.821	3.764	3.901	3.786	3.896	3.803	3.726	3.810	3.702	4.000	
1446072	at	NA	B0177055	NA	NA	3.886	3.956	4.016	3.947	3.847	3.862	3.926	3.939	3.815	3.890	3.955	3.846	3.778	3.901	3.884	3.935	3.859	3.786	3.875	3.911	4.101	4.004	3.897	3.955	3.926
1446073	at	NA	BG064075	NA	NA	6.500	6.581	6.581	6.581	6.581	6.462	6.581	6.581	6.581	6															

1446121	at	NA	BB522317	NA	NA	5.258	4.942	5.288	5.132	5.272	5.349	5.124	5.207	5.352	5.158	5.193	5.009	5.202	4.997	5.261	5.466	5.038	5.509	5.286	5.434	5.298	5.153	5.200	5.121	
1446122	at	4732416N19Rik	AV236932	Mm.137858	6	6.534	6.253	6.592	6.858	6.491	6.395	6.681	6.424	6.704	6.305	6.679	6.306	6.584	6.583	6.479	6.437	6.495	6.518	6.582	6.528	6.548	6.374	6.877	6.652	
1446123	at	B230396O12Rik	AV274423	Mm.72944	4	8.029	7.706	7.837	7.903	7.892	7.826	7.878	7.943	7.798	7.783	7.898	7.549	7.869	7.707	7.681	7.845	7.865	7.911	8.052	8.007	8.035	7.811	7.981	7.826	
1446124	at	NA	BG068964	NA	NA	5.794	5.517	5.469	5.617	5.440	5.486	5.581	5.481	5.552	5.482	5.486	5.527	5.371	5.623	5.590	5.468	5.550	5.563	5.349	5.473	5.513	5.610	5.530	5.624	
1446125	at	NA	BG067198	NA	NA	4.115	3.954	3.981	3.903	3.227	3.971	3.991	3.713	3.611	3.777	3.894	3.706	3.751	3.875	3.840	3.908	3.873	3.850	3.916	3.845	3.904	3.841	3.906	3.941	
1446126	at	100041524	BG076050	Mm.332389	5	6.345	5.977	5.587	6.294	6.198	6.268	6.366	6.047	6.005	5.946	6.401	6.016	6.374	6.202	6.234	6.496	6.358	6.364	6.225	6.325	6.312	5.879	6.401	6.265	
1446127	at	Zeh1	AV363000	Mm.3929	18	8.646	8.991	8.578	8.656	8.851	8.886	8.504	8.765	8.749	8.765	8.735	9.147	8.859	8.610	8.882	8.472	8.442	8.651	8.623	8.487	8.102	8.373	8.362	8.341	
1446128	at	NA	BB234308	NA	NA	4.768	4.480	4.813	4.765	4.802	4.875	4.835	4.800	4.935	4.929	4.607	4.988	5.007	4.673	4.923	4.735	4.835	4.611	4.805	4.828	4.653	4.961	4.782	4.679	
1446129	at	NA	AV370053	NA	NA	6.715	6.454	6.766	6.942	6.695	6.917	6.797	6.900	7.046	6.869	6.675	6.827	6.799	6.756	6.981	6.889	6.809	6.799	6.746	6.845	6.699	6.739	7.026	6.932	
1446130	at	NA	AW557530	NA	NA	5.641	4.913	5.639	5.883	4.926	6.112	5.803	6.303	4.740	4.756	4.819	6.151	5.684	5.504	4.659	6.338	4.722	5.015	4.766	4.856	4.748	4.912	4.814	4.583	
1446131	at	NA	BB200911	NA	NA	6.996	6.826	6.875	7.006	6.762	6.983	6.956	7.001	6.629	6.698	6.762	6.770	6.784	6.878	6.752	6.947	7.155	7.331	7.071	7.163	6.840	7.031	6.682	6.575	
1446132	at	NA	BB551514	NA	NA	5.458	5.042	5.209	5.324	5.227	5.290	5.181	5.262	5.227	5.219	5.498	5.056	5.403	5.465	5.067	5.256	5.494	5.589	5.354	5.262	5.547	5.182	5.345	5.243	
1446133	at	02Errd295e	MM.440700		2	6.607	6.126	6.331	6.170	6.398	6.501	6.128	6.386	5.966	6.103	6.498	6.250	6.146	5.966	6.376	6.668	6.429	6.493	6.260	6.360	6.666	6.416	6.425	6.234	
1446134	at	C78115	BG066126	NA	15	5.395	5.197	5.322	5.437	5.179	5.584	5.361	5.368	5.222	4.908	5.281	5.000	5.040	5.179	5.485	5.280	5.321	5.393	5.454	5.335	5.183	5.448	5.262	5.521	
1446135	at	D030051J21Rik	BB445605	Mm.209198	14	5.342	5.119	5.284	5.084	5.358	5.334	5.466	5.331	5.411	5.247	5.367	5.159	5.202	5.305	5.265	5.300	5.337	5.394	5.718	5.400	5.230	5.535	5.507	5.326	
1446136	at	B0013915	BB001852	Mm.219459	9	6.170	5.953	5.797	5.802	5.993	5.731	5.968	5.832	5.721	5.845	5.965	5.774	5.860	5.799	5.941	5.572	5.919	6.126	6.042	6.093	5.929	6.264	5.928	6.092	
1446137	at	Gbas	BG075133	Mm.12468	5	6.844	6.552	6.797	6.724	6.815	6.818	6.866	6.776	6.459	6.467	6.590	6.621	6.638	6.765	6.560	6.954	7.345	6.868	6.701	6.980	6.912	7.136	6.524	6.696	
1446138	at	NA	BB520404	NA	NA	6.512	6.196	6.768	6.655	6.448	6.503	6.668	6.513	6.396	6.502	6.510	6.532	6.525	6.355	6.720	6.378	6.711	6.557	6.505	6.525	6.519	6.852	6.688	6.297	
1446139	at	NA	AV245300	NA	NA	6.735	6.514	6.816	6.825	6.765	6.666	6.848	6.889	6.701	6.586	6.631	6.546	6.889	6.756	6.797	6.915	6.657	6.606	6.788	6.785	6.939	6.731	6.791	6.763	
1446140	at	NA	BB233975	NA	NA	6.797	6.425	6.741	6.500	6.737	7.017	6.831	6.606	6.949	6.953	6.450	6.572	6.644	6.572	7.125	6.547	7.015	6.820	6.792	6.998	6.981	6.968	6.950	6.923	
1446141	at	NA	BB296763	NA	NA	8.147	8.292	8.017	7.795	8.148	8.102	8.211	8.325	8.497	8.541	8.626	8.849	8.659	8.392	8.654	8.114	8.087	8.213	8.172	8.093	8.217	8.057	7.945	8.136	
1446142	at	NA	BB366293	NA	NA	4.096	4.015	4.113	4.165	4.017	4.020	4.096	4.086	4.120	4.051	4.150	4.007	4.168	4.167	4.085	4.138	4.051	4.327	4.102	4.181	4.034	4.079	4.123	4.071	
1446143	at	NA	BB238385	NA	NA	6.940	7.045	6.962	6.946	7.004	7.175	6.770	6.987	6.923	7.173	7.010	6.820	6.708	6.621	7.140	6.960	7.235	6.976	6.976	6.970	6.807	6.943	7.319	6.991	
1446144	at	Pex5f	BB315077	Mm.151332	3	6.894	6.413	6.826	6.535	5.767	6.530	6.687	6.764	6.724	6.575	6.889	6.357	6.440	6.808	6.476	6.470	6.452	6.224	6.646	6.899	6.769	6.619	6.663	6.787	
1446145	at	Ell4q3	BB327170	Mm.268903	4	8.413	8.217	8.440	8.479	8.203	8.305	8.423	8.257	8.262	8.203	8.385	8.024	8.275	8.420	8.449	8.225	8.253	8.390	8.240	8.250	8.509	8.307	8.275	8.448	8.482
1446146	at	NA	BB304523	NA	NA	6.346	5.899	6.619	6.446	6.609	6.734	6.420	6.715	6.691	6.532	6.766	6.688	6.601	6.529	6.665	6.511	6.564	6.607	6.392	6.386	6.570	6.668	6.648	6.481	
1446147	at	Rbm39	Mm.392346		2	8.305	8.985	8.723	8.805	8.285	8.738	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	
1446148	at	Rbm39	MM.392346		2	8.305	8.985	8.723	8.805	8.285	8.738	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	8.805	8.395	
1446149	at	Ppn3cb	BG076035	Mm.274432	14	3.944	3.911	3.981	3.981	3.950	3.993	3.885	3.953	3.956	3.906	4.094	3.804	3.999	4.094	3.919	3.974	3.949	4.010	4.298	4.103	3.841	4.045	3.997	4.067	
1446150	at	NA	BB373481	NA	NA	6.862	6.417	6.486	6.487	6.417	6.469	6.625	6.523	6.436	6.527	6.589	6.167	6.401	6.550	6.624	6.487	6.440	6.486	6.487	6.512	6.480	6.619	6.552	6.552	
1446151	at	NA	BB465586	NA	NA	4.783	4.554	4.542	4.519	4.665	4.694	4.701	4.558	4.492	4.505	4.739	4.362	4.324	4.608	4.645	4.788	4.554	4.520	4.613	5.149	4.579	4.509	4.487	4.517	
1446152	at	NA	BB472822	NA	NA	7.105	6.631	6.902	6.955	6.849	6.913	7.078	6.770	6.702	6.876	6.861	6.793	6.817	6.959	6.956	7.228	7.042	7.006	7.059	7.145	7.046	6.660	7.129	7.226	
1446153	at	NA	BB535836	NA	NA	5.076	5.223	5.163	5.214	5.065	5.165	4.902	5.296	5.046	4.863	5.026	5.063	4.910	4.974	5.165	5.107	5.102	5.184	5.086	5.070	5.122	5.102	5.067	4.989	
1446154	at	LOC100047123	BB131186	Mm.466711	16	9.038	8.405	8.878	8.801	8.535	8.312	8.668	8.793	8.125	8.805	8.395	8.061	8.097	8.248	8.242	9.128	8.054	8.418	8.215	8.172	8.476	8.375	8.334	8.534	
1446155	at	NA	BB046645	NA	NA	6.188	6.017	6.344	6.497	6.793	6.544	6.355	6.536	6.579	6.290	6.536	6.524	6.534	6.055	6.028	6.180	6.568	5.922	6.003	5.880	6.273	6.434	6.731	6.751	
1446156	at	NA	BB148688	NA	NA	6.665	6.155	6.877	6.009	6.107	6.259	7.095	6.602	5.771	6.537	6.295	6.305	6.277	6.208	6.493	6.697	6.196	6.104	6.172	5.869	6.305	6.603	6.356	6.670	
1446157	at	NA	BB080775	NA	NA	3.979	4.026	4.163	4.080	4.063	4.060	4.078	3.997	3.880	4.136	4.057	4.101	4.051	4.016	4.033	3.966	4.191	4.090	4.278	4.158	3.951	4.115	4.067	4.108	
1446158	at	NA	BB335821	NA	NA	6.584	6.619	6.548	6.735	6.759	6.705	6.717	6.718	6.701	6.783	6.597	6.771	6.779	6.763	6.734	6.925	6.603	6.490	6.500	6.345	6.482	6.776	6.838	6.413	
1446159	at	Pak7	BB044011	Mm.131572	2	7.047	6.677	7.078	6.918	6.718	6.943	6.769	6.809	6.762	6.630	6.850	6.805	6.814	6.760	6.957	7.016	6.832	7.144	6.945	7.279	6.841	6.856	6.673	6.858	
1446160	x at	Tmem69	BB234663	Mm.291484	4	7.805	7.961	8.164	7.803	7.612	7.701	7.897	7.813	7.565	7.769	7.651	7.511	7.370	7.674	7.512	8.151	7.764	7.965	7.923	7.823	7.963	7.837	7.896	7.892	
1446161	at	NA	BG075158	NA	NA	4.863	4.715	4.651	4.595	4.483	4.752	4.656	4.411	4.613	4.745	4.769	4.647	4.652	4.470	4.739	4.671	4.448	4.609	4.424	4.441	4.583	4.365	4.591	4.642	4.420
1446162	at	Rhnpdc5	BB384814	Mm.125979	X	3.848	3.859	4.027	3.796	4.056	4.010	3.848	3.853	3.848	3.															

1446210	at	NA	BG072832	NA	NA	7.450	7.277	7.558	7.510	7.313	7.319	7.457	7.608	7.239	7.377	7.347	7.382	7.472	7.255	7.295	7.357	7.662	7.370	7.372	7.661	7.415	7.549	7.595	7.499	
1446211	at	NA	AW556352	NA	NA	5.780	5.614	6.040	5.702	5.641	5.952	6.155	5.592	5.605	5.417	5.860	5.732	5.703	5.928	6.042	5.803	5.644	5.894	5.957	6.194	6.048	5.647	5.948	5.969	
1446212	at	NA	BB204400	NA	NA	4.731	4.351	4.690	4.681	4.411	4.560	4.615	4.498	4.333	4.421	4.696	4.260	4.389	4.592	4.474	4.600	4.552	4.685	4.717	4.820	4.428	4.507	4.778	4.661	
1446213	at	NA	BB366055	NA	NA	5.591	5.399	5.435	5.446	5.325	5.213	5.455	5.443	5.323	5.489	5.454	5.396	5.624	5.528	5.561	5.447	5.370	5.438	5.629	5.321	5.578	5.788	5.488	5.544	
1446214	at	NA	D430018E03Rik	NA	NA	6.286	6.007	6.001	6.134	6.348	5.796	6.015	6.172	6.141	5.704	5.894	5.983	6.110	6.277	5.875	5.984	5.926	6.089	6.028	6.131	6.148	6.286	6.211	6.108	
1446215	at	NA	Zfhz2as	NA	NA	6.746	6.255	6.985	6.821	6.557	6.881	6.776	6.504	6.444	6.468	6.628	6.375	6.555	6.424	6.486	6.693	6.510	6.568	6.708	7.077	6.824	6.478	6.808	6.803	
1446216	at	NA	AV375742	NA	NA	5.058	5.092	4.791	4.967	5.136	4.969	5.218	5.184	5.199	5.081	5.201	5.116	5.110	5.140	5.150	5.029	5.216	5.074	5.312	5.149	5.106	5.042	5.240	4.923	
1446217	at	NA	ENSMUSG000000	BB132020	Mm.403263	18	6.489	6.349	6.675	6.519	6.422	6.587	6.565	6.646	6.240	6.430	6.642	6.363	6.462	6.335	6.579	6.622	6.438	6.486	6.396	6.740	6.407	6.453	6.387	6.584
1446218	at	NA	C230021G24Rik	BB306329	Mm.125555	10	5.834	5.882	5.895	5.812	5.890	5.829	6.033	5.809	6.084	5.601	6.030	5.777	5.911	5.797	5.807	5.996	5.847	5.813	5.936	6.095	5.865	5.713	5.917	5.815
1446219	at	NA	D930015E06Rik	BB140256	Mm.28838	3	8.099	8.034	8.106	8.230	8.171	8.146	8.095	7.926	8.127	7.944	7.978	8.086	7.991	8.111	8.080	8.097	8.278	8.166	7.940	8.159	8.233	8.136	8.159	8.157
1446220	at	NA	Gm484	BB527649	Mm.291240	7	7.825	7.657	7.751	7.893	7.648	7.741	7.639	7.767	7.613	7.554	7.627	7.656	7.640	7.589	7.624	7.683	7.806	7.767	7.693	7.766	7.609	7.734	7.712	7.835
1446221	at	NA	BB308041	NA	NA	4.435	3.930	4.169	4.127	4.110	4.192	4.131	4.174	3.950	4.026	4.164	4.113	4.153	4.167	4.079	3.926	4.122	4.044	4.164	4.100	4.242	4.058	4.211	4.181	
1446222	at	NA	AW556563	NA	NA	4.743	4.862	4.874	4.989	5.050	5.116	5.057	4.980	5.060	5.054	5.010	5.116	5.182	4.788	5.333	4.903	5.086	4.927	5.056	5.005	5.288	4.756	5.112	4.788	
1446223	at	NA	BG075615	NA	NA	7.040	6.249	6.722	6.726	6.621	6.860	6.566	6.536	5.947	6.134	6.123	5.938	6.124	6.192	6.366	6.911	7.142	6.593	6.506	6.761	6.656	6.691	6.837	7.009	
1446224	at	NA	Hectd2	BB230275	Mm.61107	19	5.874	6.038	5.815	5.969	6.019	6.062	6.006	5.985	6.291	6.120	6.148	6.340	6.233	6.082	6.019	5.939	5.521	5.958	5.863	5.951	5.719	5.761	5.892	5.975
1446225	at	NA	Ssu72	BB414562	Mm.294770	4	5.363	5.213	5.125	5.268	5.038	5.287	5.294	5.225	5.216	5.256	5.275	5.158	5.122	5.199	5.210	5.375	5.208	5.291	5.513	5.273	5.166	5.179	5.442	5.085
1446226	at	NA	Fancb	BB201105	Mm.336317	X	6.590	6.399	6.534	6.395	6.486	6.545	6.592	6.625	6.572	6.508	6.477	6.500	6.542	6.491	6.323	6.622	6.512	6.657	6.565	6.647	6.620	6.535	6.519	6.524
1446227	at	NA	Ermp1	BB277306	NA	NA	4.157	4.000	4.080	4.182	4.202	4.120	4.123	4.272	4.046	4.168	4.231	4.101	4.054	4.210	4.143	4.339	4.230	4.475	4.476	4.444	4.319	4.417	4.272	4.344
1446228	at	NA	LOC100046691	BB222614	Mm.267131	19	6.596	6.643	6.639	6.701	6.620	6.404	6.700	6.667	6.675	6.683	6.637	6.645	6.599	6.620	6.699	6.645	6.803	6.979	6.583	6.792	6.750	6.650	6.661	6.657
1446229	at	NA	BB368905	NA	NA	1	6.357	5.984	6.387	6.432	6.031	6.162	6.191	6.096	6.148	6.011	6.221	6.079	6.185	6.193	6.125	6.203	6.189	6.085	6.236	6.221	6.165	6.161	6.261	6.187
1446230	at	NA	BB036646	NA	NA	7.641	7.326	7.960	8.111	7.489	7.292	8.499	7.824	7.195	7.236	7.148	7.472	7.593	7.433	7.733	8.038	8.403	7.714	7.910	8.185	8.059	8.278	7.564	8.055	
1446231	at	NA	BG070054	NA	NA	4.661	4.713	4.826	5.015	4.813	4.831	4.895	4.872	4.727	4.739	4.854	4.591	4.709	4.934	4.767	4.803	5.111	5.278	4.931	4.925	5.085	4.912	5.023	5.077	
1446232	at	NA	BG075408	NA	NA	6.677	6.396	6.581	6.744	6.727	6.530	6.744	6.656	6.674	6.663	6.692	6.631	6.613	6.603	6.807	6.720	6.650	6.899	6.722	6.601	6.675	6.555	6.578	6.719	
1446233	at	NA	BB430136	NA	NA	6.090	5.908	6.287	6.262	6.146	6.229	6.226	6.364	6.228	6.081	6.368	6.194	6.332	6.361	6.061	6.152	5.995	6.410	6.170	6.353	6.331	6.394	6.217	6.162	
1446234	at	NA	BB125985	NA	NA	5.603	5.507	5.732	5.492	5.638	5.855	5.479	5.638	5.460	5.508	5.480	5.670	5.537	5.539	5.505	5.614	5.669	5.744	5.325	5.834	5.876	6.315	6.296	5.358	
1446235	at	NA	BC002199	BB154237	Mm.403486	3	5.961	6.213	5.953	6.245	6.206	6.318	6.147	6.066	6.250	6.339	6.297	6.140	6.228	6.395	6.066	6.205	6.628	6.209	6.234	6.452	6.272	6.452	6.210	6.062
1446236	at	NA	LOC0072F16Rik	BB380988	Mm.215887	17	6.286	6.127	6.001	6.134	6.348	5.796	6.015	6.172	6.141	5.704	5.894	5.983	6.110	6.277	5.875	5.984	5.926	6.089	6.028	6.131	6.148	6.286	6.211	6.108
1446237	at	NA	Kap9	BM245585	Mm.16044	5	4.961	4.830	4.827	4.700	4.938	4.707	4.847	4.002	4.969	4.987	4.881	4.717	4.811	4.903	4.687	4.934	4.194	4.957	4.860	4.976	4.692	4.746	4.023	4.606
1446238	at	NA	AV275253	NA	NA	6.015	5.794	5.932	6.098	5.967	5.970	6.003	6.101	6.007	6.005	6.082	5.724	5.968	5.985	5.976	5.842	5.963	5.894	5.969	6.267	6.006	5.839	6.109	5.975	
1446239	at	NA	BB525939	NA	NA	5.549	5.301	5.758	5.492	5.278	5.706	5.513	5.440	5.353	5.437	5.594	5.541	5.595	5.564	5.491	5.501	5.590	5.512	5.610	5.637	5.553	5.510	5.545	5.536	
1446240	at	NA	BB144722	NA	NA	6.241	6.195	5.928	5.959	6.439	6.134	6.141	6.061	6.230	6.190	6.141	6.038	6.444	6.122	6.449	5.971	6.370	6.420	6.159	6.345	6.279	6.022	6.235	6.088	
1446241	at	NA	BB032447	NA	NA	5.459	4.937	5.532	5.447	5.353	5.343	5.746	5.116	5.345	5.306	5.367	5.152	5.423	5.392	5.457	5.363	5.301	5.316	5.376	5.775	5.441	5.134	5.502	5.324	
1446242	at	NA	BB091548	NA	NA	6.105	5.920	6.336	6.600	5.810	6.229	5.954	5.938	5.922	5.594	5.933	6.132	5.946	6.045	5.939	6.119	6.085	6.085	6.057	6.015	5.899	6.084	5.864	6.094	5.990
1446243	at	NA	BG074949	NA	NA	5.004	4.625	4.934	4.781	4.817	5.218	4.916	4.731	4.648	4.648	4.857	4.664	4.721	4.775	5.160	5.047	5.047	5.025	5.234	4.900	5.079	4.985	4.731	4.828	4.950
1446244	at	NA	Zvq11b	BB409798	Mm.426241	4	7.542	7.504	7.851	8.321	7.450	7.682	7.750	7.857	7.772	6.943	7.532	7.659	7.955	7.735	7.395	7.885	7.745	7.855	7.785	7.743	7.783	7.705	7.584	
1446245	at	NA	BB042558	NA	NA	7.793	7.433	7.417	7.473	7.669	7.422	7.263	7.330	7.295	7.322	7.815	7.375	7.555	7.252	7.442	7.539	7.423	7.401	7.225	7.577	7.272	7.393	7.457	7.558	
1446246	at	NA	Gm438	BB151545	Mm.297407	4	5.313	4.863	4.987	5.151	5.105	4.968	5.055	5.062	5.143	5.055	5.111	4.831	5.054	5.043	4.931	4.939	4.848	5.060	5.183	5.046	4.865	4.468	4.556	4.892
1446247	at	NA	Adams181	BB125422	Mm.167471	8	5.647	5.025	5.588	5.595	5.568	5.838	5.611	5.605	5.373	5.301	5.515	5.178	5.332	5.340	5.675	5.668	5.734	5.952	5.863	6.162	5.855	5.635	5.832	5.593
1446248	at	NA	Sltc18a	BB410501	Mm.19301	8	5.275	5.484	5.589	5.427	5.279	5.494	5.541	5.505	5.828	5.477	5.517	5.418	5.432	5.741	5.539	5.777	5.435	5.552	5.567	5.703	5.721	5.406	5.527	5.754
1446249	at	NA	BB035865	NA	NA	4.750	4.360	4.684	4.854	4.460	4.596	4.281	4.427	4.607	4.218	4.449	4.587	4.390	4.160	4.829	4.454	5.105	4.568	4.397	4.717	4.516	4.126	4.375	4.246	
1446250	at	NA	BG066887	NA	NA	4.009	3.815	3.828	3.909	3.759	3.834	3.958	3.831	3.810	3.744	3.939	3.812	3.920	3.905	3.769	3.834	3.862	3.817	3.951	3.871	3.788	3.731	3.977	3.961	
1446251	at	NA	4930565A17	BB3																										

1446299	at	NA	BB462772	NA	NA	7.521	7.693	7.801	7.588	7.645	7.803	7.617	7.504	7.610	7.702	7.507	7.374	7.535	7.455	7.678	7.494	7.594	7.485	7.421	7.557	7.442	7.426	7.806	7.415		
1446300	at	NA	BB141554	NA	NA	6.550	6.379	6.645	6.537	6.261	6.358	6.333	6.357	6.542	6.336	6.534	6.477	6.595	6.466	6.541	6.468	6.349	6.456	6.443	6.515	6.617	6.403	6.631	6.669		
1446301	at	Farsa	BB166979	Mm.219517		8	8.175	7.925	8.127	8.280	8.202	8.208	8.256	8.280	8.120	8.253	8.087	8.003	8.189	8.138	8.249	8.130	8.132	8.099	8.245	8.195	7.995	8.208	8.209		
1446302	at	Ccbl1	BB519015	Mm.216089		2	6.575	5.868	6.477	6.521	6.381	6.585	6.378	6.102	5.865	5.933	6.336	6.089	6.108	5.848	6.313	6.424	6.469	6.629	6.555	6.873	6.507	6.637	6.702		
1446303	at	Idf1r	AV374369	Mm.275742		7	7.950	7.590	7.586	7.735	7.750	7.872	7.540	7.601	7.729	7.588	7.884	7.780	7.702	7.741	7.760	7.779	7.716	7.630	7.686	7.890	7.766	7.896	7.811		
1446304	at	NA	BG063422	NA	NA		7.091	7.013	6.921	7.233	7.066	6.981	7.299	7.199	7.242	6.919	7.554	7.052	7.109	7.327	7.090	7.055	7.217	7.139	7.082	7.184	7.192	7.304	6.853		
1446305	at	NA	BB307798	NA	NA		6.242	6.049	5.961	6.047	6.084	5.913	5.965	6.141	6.133	5.641	5.951	5.813	5.918	6.074	5.906	5.868	5.991	5.854	5.867	6.225	5.975	5.925	6.156	6.051	
1446306	at	NA	BG068999	NA	NA		5.591	4.995	5.199	5.161	5.280	5.178	5.135	5.233	5.205	5.132	5.308	5.116	5.039	5.248	5.175	5.194	5.151	5.125	5.297	5.400	5.169	5.425	5.219	5.521	
1446307	at	NA	BG075119	NA	NA		5.076	4.892	5.032	5.067	4.982	4.881	5.146	4.988	5.186	5.101	5.287	5.021	4.966	4.872	5.070	4.851	5.154	5.221	4.963	4.900	4.843	5.029	5.101	4.963	
1446308	at	1700106J16Rik	BB104209	Mm.207320		11	6.365	6.073	6.411	6.435	6.159	6.513	6.392	6.293	6.198	5.938	6.212	6.267	6.325	6.315	6.275	6.460	6.377	6.513	6.101	6.672	6.554	6.228	6.334	6.643	
1446309	at	NA	BB466955	NA	NA		4.432	4.706	4.641	4.506	4.619	4.630	4.655	4.601	4.519	4.762	4.822	4.560	4.425	4.913	4.655	4.714	4.461	4.829	4.685	4.743	4.515	4.655	4.642	4.791	
1446310	at	Splic3	BB360142	Mm.100450		2	5.796	5.661	6.052	5.853	5.613	5.582	5.788	5.776	5.904	5.707	5.766	5.693	5.625	5.690	5.723	5.825	5.838	5.737	5.874	5.852	5.914	5.804	5.920	5.820	
1446311	at	Mbc2	BB220521	Mm.66056		10	5.872	5.714	5.843	5.908	5.726	5.749	5.769	5.724	5.748	5.636	5.713	5.575	5.560	5.749	5.486	5.709	5.790	5.637	5.755	5.709	5.637	5.731	5.807	5.854	
1446312	at	NA	B8273243	NA	NA		7.725	7.408	7.628	7.646	7.449	7.526	7.639	7.566	7.403	7.330	7.602	7.150	7.441	7.532	7.478	7.640	7.587	7.358	7.484	7.731	7.346	7.563	7.525	7.565	
1446313	at	Zfp30	BB026234	Mm.292690		7	6.406	6.421	6.491	6.482	6.138	6.618	6.521	6.579	5.932	6.175	6.169	6.634	6.300	6.187	6.492	6.474	7.215	6.946	6.475	6.631	6.430	6.369	6.828	6.699	
1446314	at	Gcnt7	BB187226	Mm.389337		2	6.531	6.271	6.414	6.482	6.415	6.219	6.455	6.348	6.417	6.205	6.646	6.162	6.311	6.400	6.307	6.374	6.279	6.376	6.361	6.456	6.562	6.250	6.353	6.523	
1446315	at	Acly	BB261367	Mm.282039		11	6.347	6.438	6.433	6.294	6.265	6.515	6.470	6.450	6.090	6.447	6.676	6.317	6.205	6.479	6.374	6.432	6.152	6.418	6.409	6.418	6.383	6.019	6.501	6.405	
1446316	at	Lpin2	BB378708	Mm.227924		17	4.489	4.388	4.304	4.237	4.422	4.274	4.130	4.189	4.495	4.105	4.257	4.369	4.343	4.345	4.152	4.247	4.235	4.092	4.089	4.178	4.358	4.386	4.466	4.103	
1446317	at	Arl4d	BB327831	Mm.439784		13	4.135	3.950	4.002	4.085	3.986	3.918	3.932	3.860	3.907	3.844	4.106	3.720	3.972	3.963	4.112	3.900	3.937	3.956	3.976	3.989	4.040	4.053	4.098	4.240	
1446318	at	NA	BB273207	NA	NA		4.841	5.050	5.072	5.017	4.889	5.064	5.124	4.836	5.153	5.544	4.872	5.141	5.134	5.198	5.133	4.927	4.909	5.227	5.018	4.964	5.221	5.351	5.191	4.938	
1446319	at	Asb7	BB446215	Mm.34785		7	4.999	5.370	4.998	5.267	4.989	4.833	5.193	5.124	5.539	5.197	5.360	4.972	4.923	5.234	5.090	5.078	5.338	4.899	5.063	4.538	5.266	4.953	5.156	5.208	
1446320	at	5430403G19Rik	B8028318	Mm.402176		3	5.833	5.822	5.963	5.727	5.910	6.154	5.967	6.000	5.855	5.767	5.905	5.850	5.888	5.889	5.891	5.891	6.035	5.806	6.000	5.847	5.815	5.962	5.921	5.821	
1446321	at	B230208B08Rik	BB306435	Mm.403663		4	7.120	6.754	7.028	7.155	6.934	7.014	6.989	6.851	7.171	6.984	7.087	6.891	7.203	7.115	7.030	6.908	6.857	6.938	6.999	7.190	6.680	6.683	6.936	7.061	
1446322	at	C78568	BG066245	NA	NA	11	5.673	5.613	5.880	5.590	5.567	5.480	5.563	5.445	5.624	5.506	5.594	5.609	5.618	5.637	5.609	5.641	5.516	5.789	5.531	5.919	5.763	5.533	5.662	5.795	
1446323	at	Atf7id	BG070574	Mm.173271		6	6.505	5.810	6.278	6.124	5.981	6.212	6.266	5.589	5.755	5.851	6.307	5.881	5.746	5.941	6.021	6.282	5.685	6.058	5.521	6.249	5.862	5.712	6.238	5.996	
1446324	at	NA	BB451211	NA	NA		6.806	6.659	6.570	6.833	6.279	6.763	6.581	6.662	7.052	7.272	6.635	6.144	6.285	6.203	6.391	6.677	7.421	7.397	6.615	7.995	7.425	7.551	7.782	7.960	
1446325	at	Prox1	BG032540	Mm.30849		6	6.032	6.024	6.058	6.059	6.029	6.063	5.879	6.033	5.827	6.033	5.924	5.824	5.924	5.916	6.013	6.009	6.013	6.009	6.013	6.009	6.013	6.009	6.013	6.009	
1446326	at	Col1a2	BB150460	Mm.277792		6	6.160	6.027	5.783	6.275	6.676	6.269	6.107	6.107	6.270	6.370	6.657	6.680	6.802	6.130	7.577	7.025	6.155	6.155	6.155	6.155	6.155	6.155	6.155	6.155	
1446327	at	NA	BB427458	NA	NA		7.439	7.177	7.338	7.454	7.294	7.320	7.410	7.194	7.487	7.283	7.362	7.272	7.404	7.394	7.398	7.414	7.434	7.582	7.357	7.607	7.625	7.296	7.478	7.481	
1446328	at	NA	BB470610	NA	NA		6.914	6.650	6.977	6.969	6.646	6.751	7.042	7.016	7.133	6.531	6.865	6.702	7.130	7.075	6.792	6.821	6.674	6.831	6.811	7.002	6.920	6.686	7.172	7.681	
1446329	at	NA	BB553888	NA	NA		4.269	3.991	4.265	4.252	4.460	4.112	4.198	4.389	4.230	4.118	4.206	4.345	4.384	3.997	4.256	4.206	4.402	4.282	4.115	4.202	4.231	4.284	4.427	4.231	
1446330	at	NA	BB042422	NA	NA		5.730	5.774	5.564	5.890	5.738	5.856	5.589	5.569	5.717	5.549	5.438	5.665	5.576	5.731	5.824	5.567	6.140	5.622	5.669	5.670	5.765	6.097	5.948	5.879	
1446331	at	Ptfr	AV240475	Mm.331442		3	5.638	4.931	5.543	5.716	5.513	5.639	5.582	5.444	5.195	5.511	5.367	5.309	5.492	5.412	5.449	5.466	5.280	5.564	5.500	5.409	5.503	5.694	5.356	5.525	
1446332	at	NA	BB473438	NA	NA		7.596	7.119	7.769	7.751	7.182	7.652	7.636	7.760	7.179	7.271	7.187	7.345	7.209	7.129	7.363	7.808	7.401	7.570	7.379	7.715	7.497	7.687	7.698	7.439	
1446333	at	NA	BB323558	NA	NA		6.178	5.833	6.822	5.927	5.895	5.915	6.066	6.235	5.722	5.539	6.322	5.673	5.714	5.594	5.083	6.027	6.014	6.027	5.908	6.014	6.027	5.908	6.014	6.027	
1446334	at	NA	BG066905	NA	NA		6.382	6.177	6.454	6.315	6.263	6.403	6.352	6.086	6.097	6.140	6.247	6.017	6.082	6.188	6.396	6.294	6.389	6.292	6.393	6.454	6.291	6.275	6.326	6.426	
1446335	at	NA	BG076297	NA	NA		6.534	6.211	6.456	6.329	6.333	6.342	6.489	6.329	6.490	6.260	6.391	6.102	6.194	6.300	6.376	6.355	6.415	6.301	6.336	6.475	6.354	6.358	6.463	6.298	
1446336	at	NA	BB064041	NA	NA		5.909	5.435	5.901	5.802	5.702	5.719	6.010	5.621	5.582	5.617	5.728	5.498	5.591	5.550	5.860	5.752	5.682	5.699	5.650	5.929	5.765	5.591	5.992	5.835	
1446337	at	Htt	BB411609	Mm.209071		5	7.183	7.042	7.062	7.235	7.140	7.222	7.341	7.184	7.119	6.990	7.114	7.010	6.984	7.118	7.014	7.118	7.171	7.107	7.023	7.003	7.159	7.232	7.396	7.404	
1446338	at	NA	BB454746	NA	NA		6.438	6.154	6.468	6.538	6.164	6.310	6.475	6.312	6.521	6.259	6.329	6.186	6.315	6.492	6.321	6.431	6.510	6.500	6.577	6.618	6.576	6.293	6.426	6.509	
1446339	at	NA	BB543181	NA	NA		11.176	10.473	11.071	10.516	10.167	10.617	10.517	10.844	9.257	9.583	9.808	9.872	9.444	9.700	9.425	10.110	11.289	8.572	9.176	9.233	9.619	9.439	8.947	10.223	10.073

1446388	at	NA	BG076143	NA	NA	3.793	3.622	3.721	3.877	3.718	3.874	3.938	3.848	3.709	3.807	3.684	3.715	3.769	3.881	3.782	3.761	3.956	3.823	3.765	3.895	3.859	3.766	3.753	3.835
1446389	at	NA	AW553331	NA	NA	6.303	6.250	6.533	6.570	6.358	6.591	6.426	6.274	6.145	6.137	6.226	6.229	6.440	6.410	6.221	6.414	6.594	6.290	6.394	6.443	6.439	6.081	6.532	6.263
1446390	at	Elk1	BB383786	Mm.405823	X	5.870	5.589	5.708	5.648	5.600	5.590	5.839	5.546	5.663	5.596	5.616	5.474	5.604	5.619	5.651	5.473	5.527	5.792	5.679	5.799	5.708	5.704	5.685	5.684
1446391	at	NA	BB450769	NA	NA	4.262	4.125	4.289	4.381	4.075	4.199	4.114	4.192	4.210	4.093	4.453	3.987	4.190	4.281	4.142	4.168	4.228	4.229	4.329	4.443	4.342	4.384	4.294	4.225
1446392	at	NA	BB527337	NA	NA	7.405	7.168	7.367	7.394	7.436	7.386	7.438	7.682	7.438	7.326	7.413	7.526	7.488	7.504	7.447	7.211	7.311	7.475	7.402	7.233	7.286	7.509	7.602	7.602
1446393	at	DE5err1D59e	BG066145	NA	NA	5.203	4.693	5.044	5.049	4.984	5.074	4.935	4.859	5.083	4.993	5.086	4.808	5.013	4.896	5.078	5.287	5.199	4.975	4.853	5.064	5.025	5.092	5.136	5.136
1446394	at	Opk1	BB182920	Mm.7977	1	6.589	6.508	6.538	6.624	6.513	6.478	6.534	6.559	6.617	6.277	6.799	6.212	6.571	6.561	6.584	6.538	6.544	6.505	6.509	6.514	6.661	6.627	6.792	6.541
1446395	at	NA	BB426190	NA	NA	6.055	5.670	6.051	6.277	6.044	6.201	6.230	5.919	6.057	5.928	6.136	6.073	6.082	6.197	6.070	6.036	6.208	6.031	6.124	6.159	5.954	5.968	6.182	6.114
1446396	at	Anapt1	BB554891	Mm.389206	1	7.398	7.264	7.160	7.428	7.357	7.196	7.475	7.594	7.618	7.225	7.543	7.183	7.578	7.386	7.275	7.389	7.379	7.366	7.359	7.270	7.498	7.148	7.686	7.265
1446397	at	NA	BB031367	NA	NA	5.902	5.588	5.729	5.443	5.513	5.791	5.629	5.294	5.463	5.509	5.650	5.286	5.137	5.454	5.370	5.577	5.367	5.556	5.492	5.360	5.525	5.506	5.681	5.538
1446398	at	LOC433197	BB001973	Mm.105412	18	5.920	5.847	5.804	5.845	5.573	5.879	5.874	5.789	5.877	5.834	5.911	5.806	5.959	5.891	5.815	5.901	5.842	5.966	5.879	5.996	5.938	5.867	5.714	5.886
1446399	at	Cdh10	BB522094	Mm.117794	15	4.754	4.154	4.575	4.529	4.714	4.547	4.513	4.535	4.606	4.717	4.690	4.550	4.575	4.422	4.648	4.581	4.644	4.711	4.515	4.590	5.125	4.324	4.673	4.597
1446400	at	Olf558	BB550626	Mm.121613	7	7.362	7.298	7.268	7.166	7.379	7.423	7.124	7.586	7.382	7.243	7.158	7.350	7.720	7.328	7.405	7.333	7.446	7.573	7.442	7.232	7.423	7.527	7.279	7.279
1446401	at	NA	BB210785	NA	NA	4.644	4.279	4.486	4.373	4.542	4.462	4.517	4.422	4.817	4.358	4.470	4.370	4.454	4.388	4.354	4.251	4.400	4.403	4.731	4.484	4.314	4.560	4.397	4.410
1446402	at	Churc1	BB554176	Mm.80970	12	6.015	5.904	5.922	5.923	5.724	6.070	5.951	5.605	5.750	5.912	5.808	5.813	5.799	6.090	5.829	5.863	5.867	5.975	5.980	6.126	5.853	5.787	6.085	6.012
1446403	at	AU022899	BG068443	NA	NA	4.502	5.051	5.412	5.342	5.144	5.241	5.093	5.235	5.347	5.271	5.294	5.203	5.378	5.154	5.189	5.281	5.306	5.093	5.260	5.282	5.394	5.265	5.477	5.207
1446404	at	NA	BG074987	NA	NA	5.067	5.090	5.078	5.115	4.799	5.001	4.944	4.957	5.015	4.890	5.168	4.795	4.991	5.103	4.996	5.232	4.751	4.896	5.279	4.968	4.973	5.017	5.111	5.079
1446405	at	Myt3	AW553931	Mm.182776	8	6.781	6.411	6.717	6.738	6.679	6.733	6.900	6.632	6.698	6.688	6.780	6.548	6.693	6.643	6.887	6.783	6.705	7.020	6.768	6.752	6.744	6.636	6.829	6.782
1446406	at	NA	BB083829	NA	NA	5.366	4.756	5.122	4.983	5.017	5.039	5.099	5.082	5.106	5.059	5.344	4.943	4.716	4.902	5.160	5.290	4.944	4.944	5.188	4.835	4.995	4.823	5.000	5.134
1446407	at	Myt3	BB045598	Mm.208868	4	6.598	6.517	6.839	6.673	6.688	6.856	6.721	6.346	6.689	7.014	6.655	6.812	6.689	6.826	7.038	6.826	6.711	6.719	6.838	6.862	6.527	6.731	6.926	6.996
1446408	at	Hoxa10	BB552443	Mm.5	6	5.093	4.858	5.011	4.978	4.947	5.087	5.205	5.166	4.942	4.788	5.128	4.948	4.988	5.020	5.064	5.204	5.017	5.175	5.299	4.916	4.962	5.087	5.071	5.071
1446409	at	Gtdc1	BB002028	Mm.314312	2	5.109	5.309	5.228	5.166	4.950	5.441	5.154	5.084	5.162	5.188	5.189	5.178	5.036	5.141	5.247	5.110	5.120	5.225	5.134	5.219	5.169	5.072	5.333	5.094
1446410	at	NA	BB463681	NA	NA	7.055	7.160	7.147	6.975	7.073	7.106	6.992	6.543	6.897	6.702	6.667	6.912	6.767	6.742	7.122	7.061	6.795	6.753	6.888	6.770	6.656	6.810	7.374	7.027
1446411	at	NA	BB560365	NA	NA	7.450	7.023	7.362	7.421	6.954	7.160	7.525	7.457	7.282	7.302	7.372	7.249	7.615	7.303	7.557	7.257	7.306	7.268	7.265	7.371	7.478	7.561	7.273	7.351
1446412	at	NA	AW538350	NA	NA	5.618	5.781	5.618	5.616	5.516	5.937	5.613	5.174	5.437	5.188	5.534	5.342	5.352	5.422	5.265	5.598	5.706	5.813	5.844	5.775	5.573	5.612	5.210	5.461
1446413	at	NA	AV262501	NA	NA	8.198	7.410	7.977	7.830	7.680	7.909	8.012	7.812	7.989	7.681	7.946	7.666	7.738	7.790	7.923	7.991	7.753	7.988	8.003	8.307	7.843	7.732	7.776	7.710
1446414	at	NA	BB500405	NA	NA	5.134	4.854	5.071	4.885	4.748	4.982	4.779	4.438	4.282	4.779	4.478	4.389	4.484	4.500	4.476	4.585	4.484	4.500	4.484	4.500	4.484	4.500	4.484	4.743
1446415	at	Hepb2	BB169848	Mm.35551	10	7.344	7.162	7.344	7.533	7.460	7.781	7.483	7.528	7.441	7.263	7.436	7.248	7.234	7.475	7.239	7.450	7.387	7.452	7.422	7.457	7.392	7.722	7.673	7.673
1446416	at	Suf1	BB377062	Mm.45563	1	7.195	6.551	6.899	7.055	6.839	7.194	6.985	6.772	6.731	6.862	7.063	6.786	6.793	6.798	6.842	7.110	6.859	6.912	6.987	7.039	7.002	6.990	6.841	7.227
1446417	at	NA	AW553625	NA	NA	6.877	7.390	7.426	7.214	7.125	7.344	7.121	6.756	7.282	7.436	7.671	7.014	7.027	7.071	7.490	7.188	6.624	6.862	6.999	7.014	6.630	6.893	7.555	7.711
1446418	at	NA	BG074792	NA	NA	7.393	7.165	7.260	7.397	7.256	7.271	7.308	7.368	7.419	7.298	7.222	7.234	7.343	7.279	7.236	7.262	7.263	7.163	7.307	7.296	7.452	7.227	7.283	7.233
1446419	at	NA	BB224531	NA	NA	6.540	6.272	6.673	6.451	6.548	6.606	6.513	6.739	6.520	6.540	6.467	6.254	6.488	6.593	6.516	6.591	6.594	6.435	6.636	6.898	6.716	6.531	6.540	6.497
1446420	at	NA	BB182878	NA	NA	7.211	7.019	7.307	7.267	7.219	7.177	7.412	7.013	7.172	7.205	7.189	6.972	7.217	7.144	7.269	7.285	7.170	7.311	7.196	7.268	7.176	7.333	7.319	7.319
1446421	at	NA	BB470737	NA	NA	8.581	7.890	8.603	8.357	8.436	8.448	8.109	7.729	7.713	7.707	8.218	7.659	7.554	7.567	7.926	8.541	8.047	8.140	8.069	8.244	7.895	8.226	8.477	8.839
1446422	at	NA	BB501972	NA	NA	6.533	6.495	6.072	6.312	6.184	6.328	6.994	6.222	6.637	6.446	6.682	6.658	6.583	6.265	6.392	6.582	6.582	6.582	6.582	6.582	6.582	6.582	6.582	6.582
1446423	at	NA	BB479853	NA	NA	4.492	4.403	4.691	4.513	4.372	4.428	4.497	4.496	4.752	4.443	4.338	4.449	4.460	4.617	4.385	4.416	4.247	4.559	4.336	4.358	4.286	4.454	4.501	4.306
1446424	at	Dnahc12	AV269315	Mm.335934	14	6.246	6.077	5.955	6.162	5.874	5.876	6.122	5.939	6.090	6.037	6.185	5.897	6.112	6.342	5.980	6.148	6.205	6.006	6.197	6.252	6.228	6.272	6.128	6.427
1446425	at	4732418C07Rik	BB075807	Mm.283565	4	5.745	5.624	5.674	5.534	5.639	5.762	5.538	5.671	5.639	5.625	5.577	5.511	5.597	5.443	5.589	5.798	5.860	5.583	5.648	5.639	5.684	5.563	5.629	5.438
1446426	at	NA	BB361556	NA	NA	10.651	10.111	9.517	9.119	9.618	8.852	9.103	9.195	9.370	9.639	10.428	9.573	9.351	9.058	9.739	9.652	8.246	8.239	8.149	8.106	9.327	8.617	9.036	9.313
1446427	at	Glp1	BB484081	Mm.476304	9	7.550	7.410	7.436	7.421	7.454	7.306	7.300	7.408	7.603	7.375	7.550	7.481	7.504	7.494	7.422	7.422	7.432	7.293	7.281	7.272	7.714	7.422	7.438	7.408
1446428	at	NA	BB183349	NA	NA	5.246	5.335	5.551	5.200	5.357	5.319	5.301	5.364	5.320	5.352	5.219	5.666	5.457	5.405	5.365	5.282	5.245	5.574	5.421	5.484	5.500	5.286	4.949	5.240
1446429	at	P2r4c	BB180945	Mm.290884	5	8.035	7.013	7.813	8.228	7.988	7.922	8.128	8.128	8.095	7.977	7.871	8.												

1446477	at	Zfp622	BB038030	Mm.29145	15	5.525	5.141	5.610	5.592	5.375	5.599	5.629	5.535	5.161	5.247	5.421	5.177	5.309	5.366	5.468	5.471	5.507	5.318	5.574	5.694	5.544	5.465	5.578	5.649	
1446478	at	Thsd7b	BB350835	Mm.380518	1	4.267	4.015	4.002	4.052	4.053	3.934	4.036	3.995	4.047	4.061	4.163	3.983	4.090	3.741	4.002	4.022	4.062	3.977	3.974	4.129	4.206	3.953	4.061	4.061	
1446479	at	Tnni3k	BB474379	Mm.210428	3	10.476	10.017	10.423	10.407	10.224	10.487	10.292	9.987	9.174	9.704	9.814	9.904	9.664	9.468	10.028	10.455	10.650	10.543	10.445	10.599	10.468	10.524	10.272	10.331	
1446480	at	NA	BB484462	NA	NA	4.517	4.280	4.709	4.400	4.567	4.730	4.461	4.455	4.414	4.310	4.656	4.482	4.376	4.285	4.401	4.542	4.490	4.429	4.399	4.619	4.464	4.667	4.620	4.517	
1446481	at	NA	BB534411	NA	NA	8.492	8.675	8.566	8.549	8.597	8.716	8.498	8.574	8.777	8.826	8.868	8.861	8.868	8.589	8.719	8.558	8.487	8.677	8.507	8.817	8.633	8.158	8.143	8.035	
1446482	at	Cep1	BB553935	Mm.38910	9	5.692	5.048	5.253	5.382	5.285	5.282	5.362	5.295	5.204	5.149	5.296	5.153	5.275	5.189	5.247	5.483	5.156	5.280	5.359	5.531	5.418	5.305	5.495	5.359	
1446483	at	Akr613	AV236736	Mm.251908	13	6.926	6.916	6.998	7.046	6.843	6.884	6.734	6.860	6.693	6.626	6.238	6.912	6.655	6.782	6.861	6.723	7.134	6.723	6.895	6.981	6.913	7.027	6.795	6.659	
1446484	at	NA	BB558401	NA	NA	8.117	7.335	7.758	8.082	7.648	8.297	8.196	8.074	8.199	8.083	8.152	8.345	8.174	8.151	8.199	7.950	8.070	7.821	7.921	7.873	8.203	7.575	8.083	8.179	
1446485	at	NA	AV277898	NA	NA	4.660	4.183	4.681	4.617	4.415	4.353	4.628	4.453	4.465	4.231	4.630	4.244	4.344	4.461	4.691	4.635	4.468	4.454	4.643	4.575	4.514	4.506	4.486	4.714	
1446486	at	Dtwd2	BB068132	Mm.96010	18	4.082	4.125	3.958	4.062	4.285	4.085	3.943	4.133	4.119	4.088	4.005	4.061	4.127	4.117	4.161	4.199	4.215	4.139	4.116	4.134	4.128	4.305	4.002	4.324	
1446487	at	NA	BC068946	NA	NA	6.650	6.469	6.585	6.665	6.568	6.535	6.601	6.638	6.598	6.538	6.694	6.602	6.570	6.587	6.612	6.742	6.585	6.542	6.506	6.653	6.592	6.438	6.738	6.596	
1446488	at	NA	BC065575	NA	NA	5.032	4.441	4.782	4.643	4.544	4.627	4.357	4.519	4.587	4.558	4.610	4.252	4.544	4.720	4.557	4.483	4.371	4.606	4.557	4.763	4.585	4.618	4.667	4.472	
1446489	at	NA	BC068012	NA	NA	8.747	8.595	8.691	8.903	8.860	8.597	8.661	8.972	8.993	8.616	8.752	8.847	8.960	8.932	8.720	8.719	8.725	8.511	8.618	8.685	8.664	8.677	8.613		
1446490	at	NA	BB151576	NA	NA	5.001	4.969	5.127	5.034	4.554	4.635	5.050	4.869	5.381	5.192	5.293	4.976	5.055	5.050	5.047	5.164	4.977	4.880	4.955	5.112	5.088	5.051	5.167	5.049	
1446491	at	NA	BB345737	NA	NA	3.768	3.805	3.799	3.868	3.683	3.803	3.811	3.927	3.792	3.787	3.736	3.760	3.877	3.791	3.736	3.743	3.742	3.883	3.749	3.848	3.826	3.805	3.876	3.905	
1446492	at	Tmem132d	BB396896	Mm.447698	5	6.861	6.637	6.582	6.669	6.608	6.702	6.895	6.428	6.247	6.522	6.691	6.415	6.680	6.829	6.603	6.654	6.631	6.715	6.679	7.039	6.812	6.406	6.744	6.715	
1446493	at	Cdc14a	BB441985	Mm.17647	3	4.556	4.575	4.571	4.576	4.608	4.516	4.618	4.678	4.411	4.528	4.599	4.603	4.719	4.609	4.558	4.751	4.610	4.835	4.600	4.613	4.703	4.474	4.657	4.602	
1446494	at	Kis2	BB470007	Mm.381916	X	6.461	6.193	6.342	6.466	6.508	6.384	6.453	6.609	6.309	6.359	6.468	6.565	6.577	6.706	6.649	6.506	6.616	6.566	6.577	6.793	6.604	6.290	6.528	6.496	
1446495	at	NA	BB496295	NA	NA	5.978	5.898	6.039	6.054	6.312	5.993	5.845	5.868	5.351	5.739	5.724	5.978	5.909	5.677	5.720	5.974	6.041	6.244	6.088	6.474	6.148	6.362	6.033	5.998	
1446496	at	Sfrs10	BB219075	Mm.210352	16	8.105	8.180	8.159	7.892	8.117	8.219	8.120	8.017	8.089	8.020	8.258	7.731	7.995	7.953	8.245	8.192	8.183	8.067	8.090	8.150	8.052	7.912	8.230	8.430	
1446497	at	NA	BB499356	NA	NA	7.678	7.570	7.510	7.635	7.738	7.418	7.501	7.966	7.878	7.944	7.761	7.810	8.042	7.835	7.840	7.464	7.514	7.778	7.531	7.577	7.423	7.409	7.611	7.476	
1446498	at	Il20a	BB551879	Mm.234667	10	6.752	6.519	6.798	6.689	6.526	6.732	6.868	6.719	6.608	6.610	6.889	6.704	6.467	6.693	6.752	6.792	6.768	6.702	6.694	6.991	6.676	6.667	6.811	6.810	
1446499	at	Fadd	BB480367	Mm.5126	7	7.092	7.570	7.215	7.592	7.732	7.371	7.259	7.431	7.396	7.020	7.310	7.245	7.430	7.546	7.390	7.318	6.686	7.812	7.753	7.745	7.545	7.373	7.439	7.524	
1446500	at	NA	BB369537	NA	NA	4.406	4.169	4.287	4.387	4.301	4.505	4.356	4.250	4.243	4.165	4.353	4.148	4.356	4.454	4.606	4.337	4.438	4.420	4.437	4.465	4.220	4.355	4.660	4.448	
1446501	at	A830053O21Rik	BB271275	Mm.131585	11	6.779	6.548	6.996	6.864	6.616	6.693	6.942	6.690	6.816	6.768	6.982	6.655	6.547	6.799	6.803	6.886	6.711	6.905	6.732	6.733	6.778	6.635	6.879	7.125	
1446502	at	NA	B1076506	NA	NA	4.368	4.132	4.216	4.104	4.175	4.241	4.325	4.118	4.330	4.246	4.265	4.189	4.156	4.199	4.183	4.305	4.204	4.310	4.304	4.317	4.266	4.149	4.212	4.219	
1446503	at	NA	BB381748	NA	NA	4.579	4.698	4.565	4.586	4.725	4.776	4.565	4.605	4.578	4.605	4.584	4.594	4.584	4.584	4.584	4.584	4.584	4.584	4.584	4.584	4.584	4.584	4.584	4.584	
1446504	at	NA	BB207830	NA	NA	4.368	4.255	4.584	4.726	4.548	4.525	4.729	4.269	4.328	4.266	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	4.236	
1446505	at	Cd8a	BB213942	Mm.259115	1	6.428	6.313	6.466	6.351	6.183	6.473	6.625	6.547	6.396	6.343	6.422	6.204	6.233	6.495	6.464	6.583	6.352	6.362	6.561	6.508	6.437	6.190	6.591	6.491	
1446506	at	Frrmpd3	AU067734	Mm.208683	X	6.091	5.849	6.138	6.130	5.825	5.963	6.013	6.117	5.956	5.899	6.046	5.774	6.021	6.103	5.942	6.199	5.999	5.874	5.996	6.158	6.169	5.826	6.027	6.147	
1446507	at	Klf24	BB472606	Mm.370288	4	4.506	4.723	4.212	4.431	4.505	4.533	4.652	4.540	4.650	4.510	4.649	4.321	4.566	4.713	4.534	4.337	4.381	4.196	4.553	4.727	4.387	4.488	4.518	4.371	
1446508	at	NA	BB040234	NA	NA	10.039	9.258	10.296	9.812	9.544	10.106	10.005	9.088	9.012	9.355	9.100	9.118	9.238	9.257	9.625	10.210	9.630	9.660	9.807	9.952	9.940	9.564	10.019	10.169	
1446509	at	Smox	BB541614	Mm.136586	2	6.182	5.684	5.775	5.876	6.203	5.929	5.429	5.894	5.589	5.589	5.885	5.622	5.981	5.994	5.837	5.600	5.844	6.122	5.870	5.691	5.954	5.665	5.551	6.041	6.008
1446510	at	NA	BM245261	NA	NA	5.678	5.782	6.065	5.895	5.863	6.091	6.030	6.013	6.041	6.185	6.553	6.313	6.560	6.451	6.243	6.174	5.809	5.778	5.845	5.963	6.200	6.230	5.799	6.186	
1446511	at	NA	BB369036	Mm.243101	13	7.105	6.253	6.061	6.235	6.395	6.326	7.450	6.394	6.466	6.374	6.338	6.542	7.398	7.955	6.395	6.395	6.395	6.395	6.395	6.395	6.395	6.395	6.395	6.395	
1446512	at	Zc3h15	BB439838	Mm.27804	2	5.467	5.528	5.544	5.321	5.426	5.720	5.471	5.454	5.559	5.732	5.380	5.110	5.291	5.328	5.410	5.516	5.409	5.447	5.374	5.210	5.036	5.367	5.513	5.427	
1446513	at	NA	AW556319	NA	NA	4.795	4.617	5.057	4.846	4.595	4.758	4.822	4.925	4.514	4.576	4.640	4.453	4.813	4.702	4.812	5.189	4.717	4.802	4.790	5.074	4.767	4.616	4.682	4.594	
1446514	at	NA	BB126071	NA	NA	5.714	5.537	5.805	5.488	5.543	5.869	5.689	5.459	5.600	5.374	5.752	5.494	5.743	5.459	5.624	5.778	5.569	5.714	5.551	5.999	5.717	5.550	5.627	5.631	
1446515	at	Jak3	BB534852	Mm.249645	8	6.288	6.057	6.221	6.296	6.267	6.361	6.305	6.390	6.149	5.910	6.188	6.273	6.047	6.103	6.323	6.338	6.500	6.322	6.343	6.273	6.265	6.427	6.398		
1446516	at	Bcl7c	BB176719	Mm.89667	7	6.890	6.737	6.839	6.691	6.937	6.711	6.706	6.873	6.999	6.628	6.967	6.774	6.806	7.131	6.824	6.886	6.502	6.811	6.701	6.680	6.918	6.702	6.897	6.896	
1446517	at	Cart2	BC066158	Mm.277921	9	6.436	6.236	6.211	6.540	6.260	6.364	6.358	6.352	6.266	6.037	6.389	6.250	6.104	6.388	6.190	6.349	6.391	6.448	6.251	6.441	6.481	6.325	6.406	6.355	
1446518	at	NA	AW556319	NA	NA	5.814	5.137	5.663	5.733	5.473	5.810	5.393																		

1446566	at	NA	BB461266	NA	NA	7.018	7.066	7.109	7.149	7.058	7.138	7.148	7.182	6.999	7.147	7.206	6.947	6.972	7.068	7.123	7.086	7.055	7.178	6.927	7.065	7.218	7.154
1446567	at	NA	BB167641	NA	NA	6.846	6.575	6.680	6.860	7.022	6.813	6.436	6.102	6.107	6.343	6.192	6.396	6.652	6.067	6.260	6.536	6.569	6.281	6.432	6.433	6.371	6.648
1446568	at	NA	BB522252	NA	NA	5.865	5.682	5.806	6.018	5.942	6.145	5.801	5.571	5.783	5.753	5.887	5.943	5.705	5.629	5.835	5.978	5.873	5.637	5.979	6.375	5.916	5.810
1446569	at	NA	BB535350	NA	NA	8.501	8.335	8.679	8.831	8.620	8.645	8.536	8.636	8.500	8.682	8.832	8.647	8.465	8.398	8.949	8.729	8.736	8.755	8.542	8.755	8.639	8.484
1446570	at	NA	BB469226	NA	NA	7.169	6.931	7.168	7.117	7.312	7.450	7.069	7.294	7.282	7.427	7.176	7.350	7.557	7.330	7.447	7.443	7.243	7.211	7.205	7.236	6.887	7.002
1446571	at	NA	AV376085	NA	NA	7.179	7.433	7.369	7.243	7.197	7.300	7.329	7.739	7.407	7.484	7.595	7.430	7.810	7.710	7.848	7.320	7.543	7.738	7.300	7.195	7.509	7.405
1446572	at	NA	BG066788	NA	NA	4.241	4.624	4.506	4.200	4.198	4.338	4.121	4.397	4.632	4.595	4.795	4.281	4.488	4.493	4.438	4.329	4.147	4.181	4.183	4.147	4.286	4.148
1446573	at	Edi3	BB452233	Mm.125580	13	5.406	5.278	5.375	5.396	5.359	5.451	5.564	5.271	5.071	5.164	5.295	5.105	5.184	5.375	5.393	5.591	5.456	5.393	5.441	5.577	5.375	5.491
1446574	at	NA	BB481178	NA	NA	7.169	7.010	7.333	7.354	7.151	7.115	7.335	7.468	7.171	7.210	7.360	7.345	7.301	7.276	7.399	7.477	7.391	7.301	7.347	7.342	7.128	7.378
1446575	at	C77583	C77583	NA	11	5.979	5.777	6.082	6.007	5.877	5.903	5.847	5.911	5.752	5.862	5.909	5.787	6.012	5.798	5.912	5.889	5.749	5.902	5.907	6.101	5.808	5.907
1446576	at	NA	BG076195	NA	NA	6.872	6.659	6.797	6.898	6.926	6.898	6.829	6.875	6.822	6.894	7.009	7.004	6.837	7.010	7.054	6.948	7.008	6.985	6.967	7.079	6.754	6.814
1446577	at	Pde4b	AV331125	Mm.20181	4	4.265	4.161	4.124	4.378	4.280	4.301	4.168	4.099	3.996	4.187	3.923	4.368	4.079	4.077	4.381	4.234	4.315	4.495	4.394	4.493	4.254	4.478
1446578	at	NA	AV279797	NA	NA	5.511	5.402	5.583	5.251	5.200	5.374	5.345	5.544	5.452	5.247	5.451	5.413	5.592	5.492	5.193	5.601	5.458	5.190	5.340	5.262	5.528	5.579
1446579	at	NA	BM211273	NA	NA	6.859	6.651	6.684	6.969	6.769	7.037	7.048	6.961	6.811	6.691	6.956	6.875	6.917	7.007	6.788	7.004	6.857	6.703	6.795	6.965	6.978	6.705
1446580	at	Appol	BB006972	Mm.161014	X	7.385	7.357	7.472	7.328	7.227	7.374	7.332	7.300	7.572	7.492	7.366	7.587	7.378	7.342	7.425	7.329	7.556	7.052	7.303	7.377	7.458	7.264
1446581	at	NA	BG067658	NA	NA	3.529	3.554	3.645	3.664	3.490	3.630	3.669	3.697	3.538	3.699	3.662	3.585	3.658	3.564	3.533	3.530	3.686	3.697	3.612	3.745	3.629	3.664
1446582	at	BC023882	BB017002	Mm.319286	5	6.571	6.515	6.562	6.438	6.363	6.407	6.553	6.093	6.452	6.167	6.210	6.122	6.419	6.223	6.641	6.691	6.585	6.384	6.506	6.785	6.624	6.482
1446583	at	NA	BB211117	NA	NA	4.406	4.384	4.593	4.689	4.634	4.467	4.569	4.600	4.519	4.589	4.518	4.319	4.540	4.445	4.655	4.751	4.437	4.527	4.503	4.614	4.520	4.423
1446584	at	NA	BB484570	NA	NA	7.345	6.878	7.318	7.158	7.077	7.131	7.300	6.994	6.942	7.101	7.220	6.914	7.093	6.900	7.130	7.168	7.210	7.170	7.204	7.355	7.083	6.921
1446585	at	NA	BB263909	NA	NA	6.248	5.949	6.145	6.219	6.138	6.343	6.175	6.087	6.045	5.741	6.186	5.710	6.146	6.166	6.274	6.122	6.126	6.142	6.283	6.504	6.374	5.743
1446586	at	8030463A06Rik	BB067518	Mm.373659	4	6.193	6.060	6.061	6.044	5.879	5.801	6.216	6.196	5.986	5.973	6.015	6.042	5.779	6.039	5.884	6.053	6.151	6.133	6.080	6.084	5.982	6.183
1446587	at	NA	BB205338	NA	NA	4.904	4.772	4.763	4.999	4.764	4.860	4.873	4.571	4.792	4.734	4.688	4.773	4.919	4.922	4.948	4.928	4.722	4.770	4.826	4.704	4.642	4.810
1446588	at	NA	AV337604	NA	NA	4.758	4.796	4.689	4.632	4.687	4.789	4.660	4.735	4.880	4.762	4.762	4.954	4.793	4.727	4.499	4.757	4.832	4.775	4.799	4.671	4.724	4.530
1446589	at	NA	BB363201	NA	NA	4.795	4.680	4.658	4.567	4.793	4.830	4.790	4.383	4.667	4.516	4.724	4.419	4.497	4.656	4.552	4.742	4.745	4.467	4.673	4.791	4.680	4.442
1446590	at	NA	BB304164	NA	NA	5.192	5.029	5.206	5.322	5.281	5.002	5.255	5.441	5.182	5.270	5.291	5.256	5.274	5.080	5.129	5.259	5.284	5.247	5.251	5.500	5.385	5.326
1446591	at	Gm1574	BB432090	Mm.188108	13	5.856	5.513	5.954	5.834	5.994	6.028	5.803	5.919	5.827	6.033	6.424	5.794	6.020	6.010	6.135	5.989	5.964	6.020	5.906	6.049	5.980	5.953
1446592	at	NA	BB469226	NA	NA	7.659	7.657	7.655	7.657	7.647	7.708	7.649	7.700	7.658	7.653	7.665	7.657	7.612	7.676	7.862	7.617	7.649	7.676	7.714	7.699	7.531	7.503
1446593	at	NA	BB557374	NA	NA	6.676	6.564	6.729	6.578	6.651	6.682	6.499	6.501	6.682	6.627	6.805	6.663	6.624	6.485	6.985	6.492	6.485	6.177	6.409	6.592	6.627	6.673
1446594	at	NA	BB205215	NA	NA	4.413	4.218	4.345	4.352	4.163	4.155	4.333	4.343	4.379	4.115	4.360	4.300	4.302	4.387	4.518	4.109	4.479	4.233	4.445	4.557	4.545	4.304
1446595	at	Itsm2	BB164818	Mm.341204	12	6.911	6.854	6.960	6.884	6.859	7.006	6.722	6.661	6.713	6.930	6.862	6.835	6.617	6.772	7.008	6.905	6.881	6.728	7.063	7.098	6.679	6.902
1446596	at	NA	AW554442	NA	NA	7.245	7.185	7.353	7.520	7.485	7.309	7.225	7.421	7.456	7.310	7.260	7.431	7.455	7.017	7.116	7.554	7.458	7.268	7.213	7.432	7.413	7.731
1446597	at	ENSMUSG000000	BB667258	Mm.392039	11	4.005	3.997	4.208	3.985	3.966	4.082	4.048	4.112	4.189	4.001	4.271	4.045	4.106	3.911	3.897	4.074	4.139	4.005	4.193	4.064	4.024	4.169
1446598	at	NA	BB162460	NA	NA	8.489	8.450	8.396	8.548	8.644	8.448	8.370	8.352	8.902	8.850	8.636	8.798	8.847	8.527	8.375	8.371	8.438	8.257	8.050	8.238	8.607	8.567
1446599	at	NA	BB483967	NA	NA	4.920	4.668	4.810	4.685	4.709	4.991	4.771	4.484	4.724	4.709	4.728	4.488	4.660	5.013	4.760	4.930	4.847	4.669	4.854	5.032	4.632	4.671
1446600	at	NA	BB163523	NA	NA	5.791	5.293	5.503	5.503	5.390	5.533	5.745	5.892	5.556	5.594	5.748	5.570	5.694	5.526	5.342	5.504	5.537	5.488	5.524	5.534	5.534	5.534
1446601	at	NA	BG067696	NA	NA	5.940	5.816	6.178	5.955	5.813	6.099	6.151	6.043	5.926	5.814	5.905	5.893	5.993	5.968	5.878	5.963	5.975	5.967	5.918	6.162	6.001	5.786
1446602	at	NA	BG068594	NA	NA	4.021	4.026	4.043	4.024	4.091	4.053	4.129	4.075	4.008	4.029	4.120	4.004	4.170	3.956	4.166	4.104	4.246	4.119	3.848	4.109	4.269	4.384
1446603	at	NA	AW554842	NA	NA	5.032	5.077	4.968	5.054	4.995	4.878	5.188	5.111	5.033	4.985	4.943	4.921	4.935	4.891	4.984	5.009	5.002	5.138	5.186	5.064	5.182	5.115
1446604	at	NA	BB219601	NA	NA	7.141	6.790	6.984	7.385	6.681	6.945	6.978	6.670	6.617	6.846	6.590	6.736	6.519	6.824	6.512	7.115	7.168	7.237	6.984	7.243	6.680	6.777
1446605	at	625175	BB367689	NA	NA	7.404	7.270	7.379	7.250	7.586	7.427	7.553	7.413	7.802	7.687	7.462	7.662	7.759	7.395	7.510	7.307	7.277	7.518	7.338	7.416	7.365	7.383
1446606	at	Mtas7	AV320564	Mm.443286	5	5.914	5.627	5.981	5.710	5.659	5.869	6.012	5.879	5.680	5.687	5.731	5.581	5.773	5.853	5.772	5.864	5.856	5.874	5.845	6.066	5.997	5.817
1446607	at	NA	BB228444	Mm.20928	10	5.914	5.720	5.944	5.710	5.659	5.869	6.012	5.879	5.680	5.687	5.731	5.581	5.773	5.853	5.772	5.864	5.856	5.874	5.845	6.066	5.997	5.817
1446608	at	NA	BB458874	NA	NA	5.389	5.129	5.199	5.209	5.128	5.367	5.718	5.131	5.074	5.131	5.205	5.155	5.303	5.027	5.326	5.177	5.073	5.256	5.188	5.210	5.102	5.484
1446609	at	NA	BB533744	NA	NA	6.070	5.807	5.890	5.939	5.914	5.926	5.942	5.879	6.065	5.794	5.985	5.675	5.903	5.917	5.916	5.970	5.867	6.193	5.987	6.048	6.130	5.804
1446610	at	Elmo1	BB396016	Mm.342392	13	5.822	5.839	5.797	5.905	5.505	5.746	5.707	5.742	5.589	5.517	5.915	5.661	5.795	5.806	5.763	5.671	5.7					

1446655	at	Scyl3	BB431919	Mm.389213	1	6.723	6.493	6.647	6.543	6.515	6.520	6.571	6.448	6.488	6.477	6.690	6.224	6.574	6.390	6.540	6.470	6.287	6.589	6.491	6.729	6.650	6.433	6.670	6.596
1446656	at	NA	BB024203	NA	NA	8.409	8.007	9.040	8.902	8.147	8.902	9.136	7.698	7.904	7.980	8.215	8.243	8.120	8.256	8.204	8.984	8.905	8.759	9.092	8.849	8.308	8.876	8.222	8.340
1446657	at	NA	BB0175003	NA	NA	5.205	4.939	5.011	4.893	4.815	5.181	4.904	4.980	5.016	4.777	5.204	4.781	4.933	4.841	4.908	5.039	4.961	4.925	5.068	5.196	4.939	4.738	4.969	5.041
1446658	at	NA	AW546034	NA	NA	4.563	3.983	4.339	4.339	4.220	4.082	4.155	4.306	4.094	4.026	4.442	4.066	4.074	4.226	4.183	4.325	4.187	4.109	4.294	4.211	4.254	4.075	4.236	4.308
1446659	at	NA	BB528090	NA	NA	4.527	4.177	4.594	4.594	4.658	4.585	4.657	4.584	4.612	4.486	4.653	4.657	4.621	4.778	4.684	4.750	4.487	4.652	4.844	4.627	4.583	4.427	4.537	
1446660	at	NA	BO065574	NA	NA	4.337	4.098	4.52	4.242	4.132	4.184	4.262	4.328	4.320	4.328	4.320	4.139	4.115	4.117	3.692	4.451	4.308	4.322	4.412	4.258	4.421	4.314	4.330	
1446661	at	NA	BG066346	NA	NA	6.972	6.338	6.932	6.939	6.877	6.612	6.855	6.859	6.626	6.876	6.962	6.790	6.929	6.931	6.869	7.117	7.092	7.074	6.929	7.156	6.941	6.929	6.926	7.234
1446662	at	4990562C15Rik	AW553069	Mm.325551	16	6.441	6.191	6.482	6.471	6.456	6.344	6.352	6.719	6.519	6.212	6.475	6.357	6.591	6.381	6.665	6.464	6.546	6.288	6.503	6.601	6.605	6.472	6.525	6.502
1446663	at	NA	BB537842	NA	NA	6.120	5.868	6.470	6.046	6.107	6.314	6.167	6.088	5.970	6.129	6.149	5.884	6.307	6.081	6.169	6.154	5.891	5.937	6.281	6.168	5.960	6.217	6.43	6.137
1446664	at	D15Erd154e	BG066120	NA	15	6.319	5.962	6.139	5.998	5.906	6.394	6.197	6.236	5.944	5.747	6.300	6.056	6.087	6.054	6.159	6.198	6.169	6.365	6.255	6.225	6.262	5.962	6.450	6.222
1446665	at	C80918	BG066907	NA	2	4.897	4.678	4.910	4.821	4.951	4.832	4.772	4.938	4.902	4.805	5.114	4.869	4.937	4.806	5.070	4.935	5.001	5.033	4.912	5.030	4.737	4.765	4.928	4.834
1446666	at	Adamts12	BG068804	Mm.476098	15	4.248	4.109	4.307	4.076	4.309	4.200	4.263	4.285	4.133	4.154	4.233	4.156	4.262	4.056	4.142	4.168	4.185	4.220	4.291	4.363	4.139	4.131	4.144	4.180
1446667	at	NA	BB156317	NA	NA	5.612	5.260	5.532	5.308	5.454	5.589	5.532	5.333	5.425	5.379	5.409	5.285	5.499	5.494	5.780	5.720	5.344	5.435	5.627	5.607	5.581	5.324	5.446	5.418
1446668	at	NA	BB459780	NA	NA	6.089	5.743	6.061	6.073	5.799	5.801	6.162	5.822	5.662	5.902	5.899	5.698	5.827	5.770	5.908	6.032	5.839	6.014	6.079	5.891	6.131	5.935	6.003	6.059
1446669	at	NA	BB038386	NA	NA	8.136	8.228	8.434	8.414	8.462	8.547	8.204	8.956	8.497	8.576	8.390	8.994	9.087	8.636	8.716	8.422	8.682	8.503	8.517	8.306	8.572	9.144	7.950	8.055
1446670	at	NA	BM241206	NA	NA	7.674	7.697	7.332	7.541	7.552	7.515	7.561	7.886	7.627	7.455	7.200	7.487	7.369	7.386	7.622	7.414	7.531	7.312	7.413	7.472	7.584	7.914	7.410	7.496
1446671	at	NA	BG067600	NA	NA	5.908	5.589	5.741	5.626	5.870	6.028	5.692	5.951	5.521	5.649	5.936	5.852	5.604	5.837	5.702	5.739	5.970	5.978	5.968	5.728	5.912	5.864	5.682	5.805
1446672	at	NA	BG068792	NA	NA	4.630	4.530	4.755	4.637	4.625	4.600	4.774	4.507	4.577	4.717	4.654	4.458	4.692	4.651	4.695	4.572	4.610	4.711	4.533	4.563	4.593	4.670	4.477	4.786
1446673	at	D330013E07Rik	BB475442	Mm.447615	8	7.344	6.531	6.882	6.316	6.568	6.491	6.678	6.832	6.723	6.613	6.513	6.850	6.721	6.483	6.579	6.987	6.912	6.620	6.682	5.977	6.769	7.265	6.566	6.978
1446674	at	NA	BM239571	NA	NA	7.430	7.466	7.726	7.633	7.591	7.588	7.705	7.505	7.528	7.563	7.531	7.636	7.681	7.575	7.588	7.787	7.618	7.673	7.793	7.729	7.449	7.679	7.656	7.662
1446675	at	Adk	BB667305	Mm.188734	14	7.901	7.780	8.301	8.116	7.928	8.139	8.005	7.358	7.305	7.306	7.235	7.449	7.259	7.367	7.531	8.049	8.069	7.983	8.020	7.998	7.896	7.926	8.194	8.310
1446676	at	A130033P14	BB156930	Mm.440687	10	5.720	5.521	5.633	5.679	5.557	5.455	5.855	5.626	5.480	5.557	5.463	5.499	5.692	5.541	5.519	5.637	5.594	5.410	5.305	5.624	5.705	5.506	5.730	5.684
1446677	at	A830029E22Rik	BB396783	Mm.208417	3	5.649	5.336	5.484	5.555	5.341	5.484	5.490	5.482	5.625	5.290	5.549	5.397	5.563	5.576	5.402	5.473	5.484	5.308	5.544	5.483	5.556	5.529	5.628	5.506
1446678	at	D14Erd16e	C76436	NA	14	6.893	6.422	6.760	6.576	6.717	6.390	6.579	6.592	6.644	6.493	6.530	6.483	6.809	6.454	6.661	6.679	6.739	6.541	6.693	6.734	6.726	6.499	6.548	6.550
1446679	at	NA	BG069549	NA	NA	7.521	7.173	7.467	7.394	7.320	7.220	7.446	7.258	7.137	7.343	7.371	7.343	7.199	7.255	7.129	7.386	7.216	7.391	7.313	7.339	7.328	7.777	7.341	7.529
1446680	at	NA	BG073007	NA	NA	4.278	4.090	4.201	4.134	4.257	4.328	4.072	4.028	4.011	4.185	4.033	4.123	4.250	4.020	4.073	4.167	4.251	4.177	4.110	4.080	4.175	4.267	4.151	4.306
1446681	at	BB086117	BB086117	Mm.388034	14	5.232	5.171	5.092	5.082	5.171	5.047	5.172	5.087	5.052	5.178	5.052	5.197	5.285	5.117	5.226	5.256	5.187	5.116	5.262	5.256	5.179	5.287	5.188	5.306
1446682	at	NA	BB660139	NA	NA	7.928	7.922	7.779	7.784	7.747	7.441	7.924	7.596	7.944	7.924	7.596	7.944	7.924	7.596	7.944	7.924	7.596	7.944	7.924	7.596	7.944	7.924	7.596	7.944
1446683	at	Eps15l1	B8090838	Mm.288894	8	6.817	6.548	6.733	6.842	6.702	6.624	6.634	6.789	6.671	6.635	6.606	6.715	6.694	6.581	6.820	6.497	6.763	6.821	6.677	6.729	6.815	6.645	6.677	6.600
1446684	at	Garn1l	AW557194	Mm.292180	12	5.300	5.005	5.342	5.369	5.232	5.603	5.378	5.142	5.193	5.040	5.349	5.303	5.330	5.150	5.254	5.308	5.368	5.167	5.383	5.478	5.399	5.541	5.413	5.708
1446685	at	EG665033	BB043797	Mm.39826	9	4.085	3.774	4.038	4.122	4.072	4.014	4.094	4.126	4.055	3.945	4.224	3.935	3.669	3.980	3.940	4.003	3.986	3.953	3.937	3.908	3.986	3.935	3.999	3.991
1446686	at	NA	AW536762	NA	NA	5.307	5.233	5.215	5.338	5.463	5.426	5.205	5.657	5.486	5.303	5.500	5.777	5.238	5.345	5.426	5.249	5.633	5.235	5.435	5.334	5.303	5.467	5.359	5.351
1446687	at	Sf3a1	BB480096	Mm.156914	11	7.274	7.041	7.348	7.370	7.297	7.254	7.225	7.343	7.257	7.003	7.198	7.184	7.254	7.352	7.226	7.418	7.480	7.373	7.416	7.487	7.274	7.263	7.491	7.255
1446688	at	NA	BB076801	NA	NA	7.246	7.263	7.090	7.371	7.330	7.170	7.207	7.162	7.463	7.156	7.167	7.438	7.263	7.312	7.241	7.248	6.996	7.053	7.214	6.966	7.105	7.181	7.241	7.035
1446689	at	BM2c3	BB156609	Mm.215994	16	7.088	6.800	6.207	6.349	6.232	7.368	6.954	7.005	7.347	6.889	6.987	6.923	6.987	6.923	6.987	6.923	6.987	6.923	6.987	6.923	6.987	6.923	6.987	6.923
1446690	at	NA	BB520662	NA	NA	4.244	4.057	4.394	4.348	4.303	4.294	4.254	4.199	3.985	4.189	4.045	4.101	4.256	4.029	4.262	4.365	4.108	4.287	4.419	4.434	4.137	4.327	4.451	4.380
1446691	at	Pdglf	BB549027	Mm.390122	9	4.780	4.297	4.757	4.213	4.368	4.430	4.348	4.321	4.370	4.200	4.518	4.535	4.309	4.387	4.475	4.795	4.489	4.324	4.409	4.460	4.278	4.068	4.474	4.562
1446692	at	NA	BM115381	NA	NA	5.499	5.416	5.345	5.355	5.716	5.242	5.469	5.766	5.545	5.397	5.603	5.176	5.408	5.326	5.510	5.318	5.323	5.432	5.290	5.356	5.363	5.392	5.388	5.005
1446693	at	NA	BM240141	NA	NA	6.457	6.358	6.738	6.596	6.261	6.337	6.399	6.290	6.220	6.425	6.180	6.402	6.334	6.498	6.417	6.714	6.419	6.453	6.743	6.634	6.392	6.279	6.682	6.605
1446694	at	NA	BB206882	NA	NA	3.166	6.241	6.233	6.387	6.279	6.244	5.955	6.340	6.249	6.052	6.451	6.158	6.426	6.332	6.295	6.384	6.194	6.329	6.264	6.293	6.066	5.988	6.242	6.346
1446695	at	NA	BG066178	NA	NA	3.955	3.927	3.894	4.047	3.766	3.912	3.913	3.755	3.759	3.979	3.957	3.777	3.977	4.035	3.805	3.881	4.166	3.851	4.017	3.918	3.860	3.886	3.831	4.081
1446696	at	BB1957	BB1957	Mm.241276	16	6.278	5.785	6.069	6.785	5.996	6.067	6.725	6.808	5.743	6.808	5.743													

1446744	at	Sorbs2	BB437982	Mm.211096	8	7.385	7.122	7.261	7.280	7.276	7.125	7.265	7.438	7.181	7.031	7.358	7.013	7.194	7.321	7.347	7.191	7.420	7.236	7.228	7.423	7.398	7.244	7.146	7.245
1446745	at	EG433637	BB490675	Mm.331285	3	5.376	5.178	5.187	5.283	5.250	5.163	5.280	5.315	5.270	5.208	5.235	5.200	5.116	5.262	5.271	5.238	5.397	5.220	5.255	5.312	5.305	5.165	5.229	5.249
1446746	at	Osblp3	BG068647	Mm.44153	6	4.508	4.231	4.526	4.305	4.325	4.481	4.414	4.432	4.424	4.339	4.701	4.445	4.422	4.339	4.491	4.489	4.291	4.684	4.491	4.668	4.862	4.678	4.696	4.639
1446747	at	SpeE2	BB234775	Mm.127822	15	4.213	3.990	4.102	4.116	3.987	4.306	4.117	4.246	4.088	4.427	3.999	3.957	4.148	4.181	3.982	4.132	4.030	3.997	4.243	4.102	4.152	4.081	4.198	4.363
1446748	at	2010007H06Rik	BB483595	Mm.134992	9	5.609	5.370	5.703	5.517	5.708	5.893	5.774	5.382	5.465	5.644	5.539	5.638	5.608	5.524	5.745	5.737	5.629	5.856	5.879	5.742	5.426	5.823	5.653	5.639
1446749	at	K1n1	BB167585	Mm.3110	14	4.683	4.784	4.607	4.783	4.621	4.706	4.598	4.431	4.706	4.680	4.540	4.582	4.466	4.676	4.480	4.849	4.849	4.678	4.718	4.596	4.903	4.855	4.64	4.951
1446750	at	Impact	BB524087	Mm.8154	18	7.475	7.516	7.216	7.177	7.153	7.497	7.184	7.343	7.076	6.948	6.982	7.480	7.493	7.179	7.188	7.074	7.103	7.437	7.115	7.465	7.165	7.151	7.132	7.157
1446751	s at	Impact	BB524087	Mm.8154	18	6.532	6.595	6.411	6.506	6.396	6.452	6.406	6.385	6.331	6.300	6.298	6.485	6.744	6.366	6.050	6.223	6.200	6.444	6.493	6.431	6.303	6.392	6.403	6.218
1446752	at	K78200	BG066148	NA	5	6.903	6.268	6.440	6.812	6.527	6.716	6.804	6.515	6.607	6.432	6.587	6.384	6.454	6.501	6.771	6.794	6.667	6.679	6.821	6.813	6.864	6.715	6.765	6.996
1446753	at	NA	BG068337	NA	NA	3.961	4.023	4.294	4.072	3.963	4.157	4.136	3.955	3.865	3.991	4.117	3.989	4.004	4.034	3.895	3.948	3.980	4.100	3.968	3.942	3.898	3.931	3.916	4.067
1446754	a at	Vax2os1	BM936191	Mm.185937	6	5.802	5.476	5.758	5.655	5.634	5.592	5.719	5.861	5.510	5.757	6.192	5.708	5.740	5.577	5.727	5.687	5.708	5.780	5.777	6.119	5.724	5.760	5.820	5.691
1446755	at	NA	BB462555	NA	NA	6.419	6.546	6.039	6.529	6.314	6.279	6.380	6.516	6.471	6.365	6.535	6.351	6.340	6.556	6.357	6.231	6.312	6.305	6.296	6.292	6.160	6.187	6.278	6.296
1446756	at	NA	Ghsr	BB420117	Mm.194721	3	4.729	4.502	4.445	4.462	4.544	4.406	4.634	4.429	4.432	4.512	4.767	4.513	4.681	4.417	4.453	4.551	4.795	4.527	4.486	4.693	4.491	4.605	4.697
1446757	at	NA	BB117541	NA	NA	7.072	6.702	7.015	6.862	6.837	7.006	6.804	6.667	6.826	6.774	6.610	6.699	6.720	6.750	6.985	7.097	6.839	6.769	7.002	6.895	6.801	6.636	6.975	6.991
1446758	at	Bre	BB437647	Mm.249822	5	7.344	5.536	5.794	5.725	5.743	5.543	5.665	5.608	5.715	5.756	5.537	5.708	5.648	5.729	5.862	5.769	5.411	5.737	5.872	5.788	5.658	5.773	5.605	5.450
1446759	at	Lin52	BM199827	Mm.311904	12	7.739	7.434	7.810	7.827	7.656	7.709	7.783	7.615	7.494	7.375	7.568	7.512	7.582	7.586	7.720	7.909	7.807	7.705	7.873	7.875	7.768	7.709	8.020	7.956
1446760	at	Trip13	BB491449	Mm.275095	13	4.500	4.735	4.522	4.637	4.519	4.493	4.582	4.509	4.405	4.456	4.490	4.482	4.405	4.302	4.510	4.438	4.475	4.466	4.437	4.444	4.555	4.417	4.483	4.687
1446761	at	D8Ertd56e	C77659	NA	8	5.096	5.032	5.044	4.971	5.064	5.074	5.295	4.920	5.097	5.148	4.386	5.297	5.183	4.989	5.274	5.106	5.026	5.340	5.049	5.213	5.201	5.172	5.262	5.107
1446762	at	NA	B1076654	NA	NA	6.294	6.013	6.266	6.539	5.985	5.893	6.419	6.194	6.026	5.990	6.148	6.123	6.094	6.183	6.086	6.171	6.271	6.210	6.015	6.106	6.223	6.222	6.127	6.131
1446763	at	NA	C76393	NA	NA	4.936	4.804	4.914	4.999	4.775	4.823	5.022	4.985	4.883	4.736	4.974	4.839	4.924	5.016	4.797	4.931	4.826	4.988	4.932	5.017	4.958	4.863	4.877	4.981
1446764	at	NA	BG065843	NA	NA	7.194	6.770	7.255	6.984	6.990	6.883	7.123	6.835	6.923	6.895	6.948	6.816	6.981	6.732	7.046	7.042	7.083	6.816	6.666	7.098	7.000	7.100	6.984	7.256
1446765	at	C77973	C77973	NA	17	4.135	3.913	4.098	4.112	4.106	4.158	4.185	4.310	4.004	4.304	4.122	4.074	4.049	4.108	4.147	4.016	4.248	4.138	4.077	4.081	4.167	4.132	4.158	4.068
1446766	at	AU022746	BG068386	NA	13	5.712	5.402	5.436	5.482	5.350	5.884	5.460	5.290	5.332	5.271	5.605	5.163	5.282	5.316	5.164	5.443	5.388	5.440	5.428	5.538	5.504	5.432	5.583	5.619
1446767	at	NA	AW555749	NA	NA	4.427	4.395	4.539	4.344	4.350	4.461	4.569	4.306	4.458	4.224	4.453	4.460	4.580	4.460	4.499	4.764	4.512	4.538	4.624	4.742	4.159	4.412	4.586	4.508
1446768	at	NA	BE653578	NA	NA	5.618	5.308	5.519	5.492	5.463	5.371	5.541	5.516	5.415	5.193	5.528	5.264	5.514	5.449	5.428	5.563	5.654	5.566	5.793	5.697	5.730	5.520	5.659	5.565
1446769	at	Ttc39c	AV028075	Mm.52526	18	6.700	6.692	6.655	6.575	6.842	6.523	6.710	6.776	6.630	6.605	6.647	6.612	6.570	6.860	6.679	6.908	6.921	6.642	6.653	6.594	6.543	6.653	6.807	6.391
1446770	at	2610208K16Rik	BB211967	Mm.229108	4	5.935	5.805	5.833	5.923	5.904	5.845	6.048	5.382	5.208	6.035	5.925	5.960	5.845	5.905	5.845	5.785	5.925	5.845	5.905	5.845	5.905	5.845	5.905	5.845
1446771	at	NA	BB047531	Mm.32884	6	10.679	10.434	10.465	10.618	8.868	10.344	10.977	10.636	9.922	10.233	10.621	9.922	10.504	10.019	9.969	10.324	10.551	10.903	10.234	10.545	10.623	10.222	10.519	11.011
1446772	at	NA	BB453864	NA	NA	6.121	5.719	5.961	6.133	6.208	5.934	5.727	5.579	5.700	5.555	5.972	5.731	5.703	5.684	5.720	5.959	5.695	5.681	5.922	5.941	5.633	5.917	6.108	5.885
1446773	at	E2300025N2Rik	BB069871	Mm.252323	18	6.028	5.746	6.149	5.978	6.003	5.944	5.894	6.097	5.965	5.949	5.991	5.938	6.012	6.067	6.077	5.976	5.774	6.062	6.072	6.053	5.952	6.087	6.027	5.859
1446774	at	D530017H19Rik	BB337052	Mm.407726	19	6.124	6.180	6.152	6.391	6.183	6.220	6.282	6.052	6.121	6.246	6.184	6.020	6.234	6.092	6.153	6.156	6.231	6.190	6.219	6.404	6.385	6.058	6.315	5.930
1446775	at	NA	C76272	NA	NA	7.655	7.403	7.579	7.536	7.619	7.439	7.463	7.732	7.736	7.365	7.108	7.441	7.681	7.709	7.501	7.520	7.674	7.621	7.470	7.621	7.530	7.508	7.626	7.484
1446776	at	C77581	C77581	NA	15	8.042	7.898	8.021	8.092	7.921	8.029	7.953	8.065	7.914	7.979	7.962	7.980	7.881	7.875	7.929	8.080	8.007	7.988	8.081	8.009	8.036	7.897	8.072	8.055
1446777	at	Spe2	BG057692	Mm.173058	1	4.755	4.716	4.548	4.722	4.548	4.607	4.640	4.583	4.574	4.592	4.790	4.707	4.595	4.508	4.659	4.814	4.647	4.674	4.967	4.917	4.543	4.638	4.632	4.723
1446778	at	NA	BB502071	NA	NA	6.596	6.293	6.625	6.590	6.436	6.528	6.475	6.333	6.273	6.475	6.333	6.273	6.475	6.333	6.273	6.475	6.333	6.273	6.475	6.333	6.273	6.475	6.333	6.273
1446779	at	NA	BB212351	NA	NA	7.470	6.996	7.433	7.109	7.093	7.263	7.388	6.880	7.048	6.949	6.948	6.910	6.887	6.853	7.019	7.237	7.277	7.144	7.135	7.058	7.109	6.974	7.493	7.337
1446780	at	NA	BM232656	NA	NA	7.935	7.721	7.732	7.837	7.972	7.790	7.776	8.010	8.130	7.996	7.947	7.765	7.891	7.854	7.976	7.843	7.775	7.838	7.692	7.908	7.692	7.812	7.931	7.813
1446781	at	D8Ertd54e	C77617	NA	8	6.496	6.395	6.475	6.393	6.405	6.363	6.579	6.443	6.288	6.174	6.492	6.265	6.401	6.290	6.376	6.393	6.276	6.352	6.400	6.568	6.365	6.312	6.643	6.532
1446782	at	NA	BB275502	Mm.289796	7	6.537	6.563	6.478	6.627	6.407	6.666	6.565	6.611	6.584	6.486	6.399	6.581	6.588	6.434	6.471	6.584	6.788	6.512	6.589	6.597	6.624	6.652	6.643	6.659
1446783	at	NA	BG072462	Mm.276291	8	5.771	5.750	5.961	5.711	5.986	5.693	5.627	5.881	5.670	5.803	5.903	5.658	5.644	5.662	5.695	5.841	5.748	5.803	5.967	5.733	5.962	5.818	5.944	5.848
1446784	at	NA	B1076611	NA	NA	5.223	5.236	5.232	5.276	5.047	5.247	5.354	5.081	5.362	5.130	4.930	5.120	5.255	5.115	5.063	5.297	5.029	5.135	5.042	5.204	4.892	5.164	5.020	5.034
1446785	at	NA	BB451187	NA	NA	6.755	6.650	6.255	6.383																				

1446833	at	NA	AW553584	NA	NA	8.055	7.608	8.148	8.095	7.779	7.791	7.769	7.778	7.845	7.760	7.957	7.986	7.735	7.879	8.034	7.986	7.923	7.901	8.149	7.998	8.165	7.980
1446834	at	Ctsc	AV367948	Mm.322945	7	6.256	6.901	6.178	6.440	6.312	6.742	6.710	6.364	7.441	7.170	6.847	6.590	6.587	7.335	6.727	6.418	6.027	6.182	6.192	6.167	6.176	6.351
1446835	at	NA	BB042551	NA	NA	7.359	7.616	7.332	7.081	7.510	7.433	7.309	7.223	7.398	7.445	7.195	7.556	7.267	7.130	7.507	7.370	7.380	7.181	7.087	7.305	7.185	7.730
1446836	at	NA	BB609762	NA	NA	6.769	6.562	6.706	6.561	6.624	6.605	6.450	6.650	6.533	6.445	6.685	6.589	6.627	6.537	6.518	6.539	6.470	6.706	6.651	6.585	6.804	6.697
1446837	at	NA	BG074235	NA	NA	3.320	3.733	3.809	3.771	3.804	3.963	3.794	3.694	3.711	3.645	3.827	3.694	3.728	3.698	3.770	3.897	3.924	3.838	4.027	3.889	3.670	3.872
1446838	at	Atad1	BB292625	Mm.27123	19	6.900	7.102	7.203	6.999	7.046	7.107	7.185	7.085	7.191	7.016	7.135	6.951	7.068	7.089	6.742	7.106	7.097	7.157	7.104	7.127	6.997	6.766
1446839	at	NA	BM120498	NA	NA	6.515	6.249	6.330	6.153	6.138	6.260	6.168	6.426	6.451	6.074	6.481	6.123	6.493	6.346	6.267	6.173	6.372	6.312	6.409	6.161	6.305	6.282
1446840	at	NA	B0032894	NA	NA	6.486	6.278	6.130	5.837	5.926	6.111	6.361	6.142	5.824	5.880	6.288	5.709	5.597	5.886	6.115	6.250	6.188	6.141	6.129	6.217	6.397	6.135
1446841	at	NA	BB460179	NA	NA	8.213	7.875	8.279	8.247	8.391	8.279	8.244	8.359	8.286	8.151	8.190	8.256	8.421	8.199	8.230	8.251	8.207	8.349	8.225	8.409	8.312	8.212
1446842	at	D4ErtD571e	AU022854	NA	4	5.233	4.988	5.093	5.088	5.041	5.174	5.057	5.112	5.093	5.053	5.104	4.988	5.036	4.835	5.026	5.026	5.050	5.152	5.093	4.955	5.011	5.051
1446843	at	NA	C85491	NA	NA	6.592	6.051	6.583	6.459	6.381	6.591	6.585	6.359	6.185	6.438	6.554	6.276	6.125	6.428	6.596	6.486	6.390	6.588	6.617	6.614	6.355	6.305
1446844	at	Chchd7	BE995618	Mm.27406	4	4.444	4.183	5.097	4.540	4.187	4.235	4.387	3.965	3.881	4.300	3.666	4.053	3.894	3.940	4.304	4.443	4.391	4.499	4.658	4.729	4.633	
1446845	at	NA	BM227792	Mm.268707	7	3.863	3.804	3.997	3.771	3.823	3.615	3.779	3.677	3.760	3.754	3.780	3.621	3.615	3.743	3.717	3.689	3.616	3.727	3.654	3.835	3.697	3.603
1446846	at	NA	BG805795	NA	NA	7.757	6.962	7.581	7.683	7.521	7.424	7.657	7.364	7.281	7.250	7.167	7.220	7.384	7.290	7.405	7.617	7.427	7.436	7.598	7.559	7.575	7.443
1446847	at	Ccdd8Bc	BB476065	Mm.156217	12	6.270	6.106	6.479	6.410	6.400	6.311	6.452	6.187	6.039	6.340	6.338	6.278	6.377	6.123	6.335	6.281	6.522	6.401	6.395	6.417	6.580	6.494
1446848	at	NA	C77955	NA	NA	4.028	3.664	4.049	4.011	3.956	4.067	4.053	4.027	3.975	4.019	4.283	3.969	4.119	4.071	4.051	3.950	3.991	4.054	3.999	3.926	4.080	3.930
1446849	at	NA	AW555234	NA	NA	7.803	7.066	7.643	7.686	7.547	7.700	7.773	7.396	7.382	7.467	7.383	7.596	7.592	7.408	7.676	7.809	7.595	7.790	7.634	8.051	7.684	7.824
1446850	at	NA	BM234464	NA	NA	6.962	6.946	7.141	7.381	7.551	7.579	7.125	7.183	7.430	7.517	7.556	7.802	7.394	7.301	7.257	7.456	7.335	7.738	7.296	7.342	7.264	7.433
1446851	at	Col22a1	BB017755	Mm.322500	15	6.814	6.652	6.813	7.014	6.950	6.691	6.743	7.018	6.802	6.665	7.008	7.257	6.952	6.624	6.764	6.711	6.995	7.003	6.761	6.842	6.798	7.015
1446852	at	NA	BG063355	NA	NA	4.545	4.270	4.560	4.537	4.357	4.378	4.577	4.375	4.390	4.346	4.421	4.216	4.303	4.357	4.351	4.455	4.358	4.314	4.422	4.361	4.672	4.417
1446853	at	NA	BG067673	NA	NA	5.366	5.091	5.551	5.394	5.238	5.649	5.695	5.450	5.393	5.054	5.573	5.205	5.415	5.366	5.374	5.552	5.395	5.503	5.637	5.736	5.563	5.294
1446854	at	NA	AU023663	NA	NA	4.206	3.741	4.278	4.120	4.007	4.035	4.040	4.149	4.071	3.908	4.047	3.991	4.034	3.998	4.161	4.125	3.991	3.988	4.123	4.053	4.072	4.206
1446855	at	Vps13d	AW546271	Mm.240310	4	7.718	7.587	8.279	7.696	7.620	7.833	7.694	7.625	7.420	7.448	7.346	7.644	7.596	7.625	7.361	7.678	7.663	7.514	7.565	7.659	7.708	7.754
1446856	at	D3Wsu167e	BG063256	NA	3	6.912	6.868	6.966	7.036	6.894	6.942	7.071	7.048	6.962	6.867	7.020	6.855	6.978	6.904	7.176	6.937	6.899	7.054	7.027	7.142	7.033	6.881
1446857	at	NA	C87115	NA	5	3.839	3.991	3.399	3.986	3.957	4.069	3.762	3.927	4.040	3.998	3.872	3.899	3.982	3.855	3.776	4.013	3.993	3.786	3.920	3.857	3.943	3.896
1446858	at	AU022245	AU022245	NA	5	4.272	4.334	4.263	4.118	4.307	4.416	4.302	4.510	4.281	4.235	4.325	4.296	4.240	4.123	4.227	4.444	4.235	4.329	4.271	4.383	4.102	4.180
1446859	at	NA	AW553891	NA	NA	6.444	6.251	6.863	6.857	6.524	6.594	6.654	6.424	6.685	6.645	6.590	6.433	6.652	6.556	6.601	6.646	6.707	6.704	7.012	6.690	6.704	6.573
1446860	at	NA	BG074662	NA	14	7.345	7.195	7.453	7.398	7.242	7.428	7.497	7.357	7.085	7.292	7.354	7.237	7.352	7.266	7.521	7.432	7.353	7.315	7.422	7.367	7.547	7.367
1446861	at	Gns	BB534930	Mm.207683	10	7.369	7.656	7.456	7.629	7.508	7.516	7.288	7.168	7.451	7.463	7.135	7.408	7.517	7.422	7.461	7.715	7.337	7.452	7.525	7.305	7.071	7.062
1446862	at	NA	BM233224	NA	NA	5.783	5.620	5.667	5.690	5.533	5.671	5.642	5.594	5.613	5.513	5.576	5.522	5.597	5.628	5.619	5.641	5.701	5.551	5.561	5.623	5.727	5.834
1446863	at	NA	AU024004	NA	NA	5.956	5.670	5.983	5.823	5.594	5.911	5.914	5.795	5.523	5.623	5.839	5.658	5.488	5.672	5.702	5.801	5.959	5.749	5.695	6.011	5.792	5.767
1446864	at	NA	BG073932	NA	NA	4.279	4.427	4.215	4.283	4.276	4.253	4.221	4.247	4.327	4.320	4.355	4.144	4.316	4.283	4.198	4.242	4.405	4.031	4.399	4.212	4.432	4.315
1446865	at	NA	AU024158	NA	NA	5.577	5.340	5.306	5.445	5.221	5.365	5.600	5.495	5.394	4.924	5.507	5.199	5.357	5.481	5.562	5.545	5.499	5.448	5.570	5.629	5.570	5.383
1446866	at	NA	AW553891	NA	NA	6.644	6.251	6.863	6.857	6.524	6.594	6.654	6.424	6.685	6.645	6.590	6.433	6.652	6.556	6.601	6.646	6.707	6.704	7.012	6.690	6.704	6.573
1446867	at	C87190	BG7308	Mm.394368	14	7.345	7.195	7.453	7.398	7.242	7.428	7.497	7.357	7.085	7.292	7.354	7.237	7.352	7.266	7.521	7.432	7.353	7.315	7.422	7.367	7.547	7.367
1446868	at	NA	BM076782	NA	NA	7.396	7.011	7.313	7.789	7.187	7.380	7.357	6.937	7.052	6.960	7.112	7.090	7.119	7.152	7.146	7.290	7.286	7.482	6.969	7.323	7.399	7.488
1446869	at	NA	BM226798	NA	NA	6.244	6.013	6.220	6.145	6.125	6.176	6.239	6.170	6.324	6.008	6.198	5.939	6.299	6.241	6.097	6.189	6.241	6.088	6.324	6.321	6.353	6.089
1446870	at	D4ErtD510e	AU022094	NA	4	5.015	5.036	4.801	4.958	4.956	4.926	4.956	4.667	4.829	4.713	5.195	4.758	5.115	5.075	4.792	5.033	4.904	5.030	4.717	4.925	5.062	4.795
1446871	at	D7ErtD481e	C87101	NA	7	7.181	6.874	6.850	6.954	6.798	6.903	7.058	6.965	6.692	6.614	6.952	6.610	6.615	6.797	6.964	6.844	7.035	6.873	6.961	7.151	6.889	6.803
1446872	at	AU021877	AU021877	NA	13	4.256	4.321	4.344	4.373	4.183	4.500	4.319	4.224	4.265	4.165	4.439	4.220	4.289	4.200	4.414	4.376	4.171	4.419	4.410	4.258	4.439	4.321
1446873	at	NA	AU024134	NA	NA	4.783	4.299	4.662	4.695	4.452	4.549	4.597	4.531	4.558	4.461	4.566	4.346	4.409	4.386	4.522	4.413	4.525	4.556	4.825	4.511	4.528	4.480
1446874	at	NA	AW553891	NA	NA	6.2874	5.8104	6.0108	5.860	5.612	6.011	6.177	5.978	5.856	5.765	6.223	5.941	5.805	6.033	6.078	6.086	5.987	6.137	6.084	6.219	6.046	5.834
1446875	at	NA	BG072329	NA	NA	5.326	5.441	5.505	5.521	4.453	5.285	5.252	4.336	5.405	5.323	5.219	5.412	5.323	5.280	5.272	5.425	5.272	5.415	5.422	5.512	5.392	5.242
1446876	at	Wdr22	BB361118	Mm.220310	12	5.296	5.250	5.286	5.245	5.081	5.568	5.522	5.182	5.062	5.288	5.272	5.156	5.410	5.390	5.269	5.408	5.293	5.278	5.247	5.305	5.341	5.189
1446877	at	NA	BB381622	NA	NA	4.639	4.394	4.490	4.554	4.601	4.695	4.586	4.568	4.425	4.265	4.593	4.309	4.353	4.506	4.482	4.532	4.515					

1446922	at	NA	BB276575	NA	NA	4.878	4.858	4.866	4.723	5.028	4.797	4.878	5.052	4.884	4.734	4.661	4.861	4.797	4.776	4.986	4.857	5.075	4.780	4.854	4.850	4.971	4.938	4.835	5.001	
1446923	at	NA	BB175779	NA	NA	6.494	5.954	6.522	6.459	6.381	6.546	6.656	6.281	6.354	6.173	6.634	6.187	6.518	6.338	6.664	6.544	6.540	6.526	6.553	6.701	6.414	6.413	6.532	6.390	
1446924	at	NA	AU019726	NA	NA	5.530	5.306	5.281	5.476	5.306	5.164	5.331	5.220	5.217	5.351	5.518	5.441	5.335	5.346	5.410	5.420	5.182	5.203	5.372	5.438	5.296	5.183	5.371	5.294	
1446925	at	Btrc	AU024680	Mm.119717	19	6.412	6.190	6.395	6.479	6.286	6.088	6.465	6.462	6.486	6.343	6.551	6.174	6.331	6.559	6.305	6.429	6.349	6.330	6.357	6.360	6.399	6.288	6.481	6.362	
1446926	at	Pycard	AU040417	Mm.24163	7	5.905	6.204	5.942	5.812	5.959	6.018	6.111	5.987	6.212	5.826	6.042	6.263	6.054	6.205	5.870	6.105	5.981	5.732	6.030	6.132	5.986	6.030	5.792		
1446927	at	NA	B1076724	NA	NA	4.975	4.856	4.944	5.005	4.952	5.158	4.905	4.966	5.085	4.941	4.925	4.844	4.845	4.862	5.045	5.123	4.992	4.815	4.900	4.995	5.005	5.402	5.103	5.165	
1446928	at	Dnaic17	C87112	Mm.222241	2	9.315	9.610	8.925	9.021	9.187	8.996	9.201	9.839	9.907	9.519	9.190	9.603	9.278	9.307	9.178	8.832	9.822	9.341	8.996	8.764	9.527	9.670	8.753	8.747	
1446929	at	ENSMSUG000008	BB459664	NA	4	6.912	6.542	6.669	6.663	6.690	6.834	6.721	6.480	6.503	6.713	7.333	6.860	6.661	6.578	6.588	6.675	6.587	6.699	6.571	6.685	6.814	6.956	6.644	6.699	
1446930	at	NA	B1180598	NA	NA	6.161	6.379	5.941	6.085	6.077	6.149	5.931	5.972	6.633	6.084	6.171	5.986	6.154	6.493	6.080	6.038	5.984	6.024	6.091	6.109	5.927	5.989	6.229	6.085	
1446931	at	NA	BG068937	NA	NA	7.058	6.506	7.158	6.898	6.689	6.923	6.987	6.835	6.918	6.764	7.072	6.815	6.771	6.845	6.926	7.017	6.686	6.804	6.791	7.248	7.012	6.736	7.013	6.848	
1446932	at	NA	BG074582	NA	NA	6.850	6.729	7.131	7.027	6.603	7.007	6.882	6.772	6.629	6.669	7.119	6.549	6.768	6.781	6.873	7.076	6.657	6.898	7.049	7.035	6.896	6.901	7.047	6.934	
1446933	at	Nudcd1	BB295081	Mm.476016	15	6.498	6.237	6.502	6.529	6.475	6.317	6.449	6.469	6.374	6.227	6.328	6.256	6.110	6.307	6.527	6.511	6.247	6.232	6.303	6.366	6.345	6.256	6.593	6.366	
1446934	at	NA	BB548287	NA	NA	4.531	4.829	4.438	4.426	4.387	4.410	4.419	4.253	4.561	4.697	4.528	4.447	4.752	4.392	4.387	4.489	4.079	4.378	4.388	4.387	4.400	4.354	4.411	4.373	
1446935	at	NA	BG074093	NA	NA	5.645	5.255	5.535	5.465	5.583	5.533	5.655	5.311	5.402	5.143	5.694	5.390	5.408	5.573	5.566	5.694	5.336	5.443	5.643	5.815	5.613	5.463	5.524	5.667	
1446936	at	NA	BB056808	NA	NA	5.030	4.410	4.972	4.898	4.793	4.716	4.948	4.722	4.490	4.731	4.740	4.949	4.745	4.665	4.919	5.040	4.740	4.852	5.001	5.124	4.761	4.700	4.960	5.206	
1446937	at	NA	AI450357	NA	NA	8.317	7.929	8.261	8.257	8.127	8.408	8.254	8.238	8.019	8.221	8.238	8.267	8.093	8.208	8.238	8.453	8.260	8.245	8.337	8.329	8.206	8.125	8.231	8.344	
1446938	at	AA408213	BG063210	NA	5	7.822	7.483	7.475	7.481	7.573	7.592	7.406	7.649	7.482	7.640	7.348	7.408	7.207	7.105	7.289	7.609	6.813	7.555	6.785	7.665	7.474	7.309	7.638	7.564	
1446939	at	NA	AU040162	NA	NA	5.396	5.613	5.741	5.867	5.771	5.771	5.819	6.013	5.959	5.679	5.595	5.887	5.863	5.770	5.824	5.556	5.829	5.827	5.827	5.609	5.999	6.075	5.867	5.787	
1446940	at	Traf6	BB224683	Mm.292729	2	7.351	6.976	7.353	7.180	7.015	7.200	7.452	7.003	6.954	6.796	7.337	6.858	7.092	7.091	7.247	7.326	7.086	7.123	7.099	7.480	7.311	7.029	7.240	7.236	
1446941	at	C78505	BG066222	Mm.441750	19	8.857	8.539	8.875	8.324	8.291	8.552	8.885	8.390	8.219	8.105	8.208	8.275	8.335	8.354	8.297	8.899	8.089	8.203	8.061	8.307	8.345	8.221	8.366	8.224	
1446942	at	NA	BM198887	NA	NA	4.219	4.164	4.277	4.066	4.115	4.264	4.496	4.101	4.188	4.110	4.286	4.098	4.172	4.256	4.073	4.089	4.137	4.194	4.419	4.378	4.260	4.396	3.993	4.154	
1446943	at	NA	BM205323	NA	NA	8.378	8.211	8.453	8.465	8.322	8.830	8.545	8.018	8.200	8.235	8.496	8.362	8.246	8.316	8.428	8.543	8.285	8.312	8.443	8.556	8.021	8.246	8.399	8.530	
1446944	at	D1Ertdd4e	C77984	NA	1	5.235	5.118	5.154	5.109	4.991	5.077	5.204	5.353	5.294	5.066	5.377	5.156	5.171	5.204	5.192	5.236	5.255	5.202	5.445	5.214	5.290	5.339	5.126	5.134	
1446945	at	NA	AW559129	NA	NA	5.029	5.422	4.975	5.462	5.293	5.306	5.157	5.189	5.510	5.255	5.487	5.313	5.516	5.400	5.374	5.217	5.304	5.413	5.390	5.257	5.473	5.258	5.354	5.272	
1446946	at	NA	BM217698	NA	NA	7.705	7.643	7.427	7.389	7.952	7.607	7.283	7.471	7.973	7.755	7.475	7.576	7.618	7.726	7.586	7.298	7.206	7.323	7.276	7.239	7.418	7.386	7.451	7.375	
1446947	at	NA	BG072149	NA	NA	7.631	7.751	8.070	7.729	8.161	8.016	7.541	7.529	7.346	7.499	7.699	7.578	7.608	7.520	8.005	8.214	7.593	7.861	7.486	7.582	8.032	8.345	8.407	8.203	
1446948	at	NA	BB074466	NA	NA	4.458	4.204	4.381	4.147	4.140	4.257	4.172	4.272	4.458	4.251	4.388	4.464	4.512	4.344	4.514	4.454	4.219	4.542	4.414	4.276	4.396	4.149	4.290	4.792	
1446949	at	NA	BB042584	Mm.399169	7	6.430	6.300	6.428	6.457	6.098	6.427	6.374	6.399	6.597	6.494	6.303	6.428	6.305	6.465	6.481	5.983	6.594	6.647	5.558	6.385	6.517	5.586	6.631	5.866	
1446950	at	NA	BM124834	NA	NA	6.689	6.354	6.568	6.535	6.651	6.524	6.820	6.622	6.340	6.408	6.554	6.330	6.345	6.443	6.600	6.655	6.816	6.655	6.643	6.866	6.843	6.737	6.791	6.895	
1446951	at	P4ha3	BB526042	Mm.150294	7	4.456	5.086	4.244	4.312	4.694	4.503	4.405	4.618	4.957	5.565	4.673	5.362	5.469	5.272	5.119	4.278	4.526	4.515	4.403	4.257	4.186	4.434	4.188	4.161	
1446952	at	D11Ertdd506e	BG068105	NA	11	5.519	5.450	5.712	5.504	5.623	5.473	5.449	5.630	5.546	5.413	5.636	5.444	5.714	5.285	5.520	5.638	5.625	5.613	5.515	5.640	5.562	5.546	5.494	5.419	
1446953	at	NA	BG073799	NA	NA	9.085	8.973	9.009	8.990	9.099	9.079	9.264	9.101	9.254	9.105	9.143	9.102	9.428	9.539	9.264	9.272	8.970	9.169	8.994	9.072	9.129	9.182	9.559	9.039	8.860
1446954	at	NA	AW559079	NA	NA	6.699	6.328	6.547	6.390	6.429	6.739	6.744	6.320	6.163	6.134	6.244	6.127	6.116	5.977	6.439	6.399	6.399	6.736	6.740	6.769	6.421	6.465	6.928	6.653	
1446955	at	NA	BG074954	NA	NA	8.309	8.263	8.378	8.475	8.298	8.283	8.481	8.181	8.185	8.296	8.157	8.205	8.247	8.324	8.109	8.491	8.285	8.196	8.312	8.255	8.314	8.285	8.364	8.393	
1446956	at	N4bop1	BB062178	Mm.25117	8	7.237	6.476	6.229	7.270	6.237	6.025	7.238	6.496	6.629	6.878	7.001	6.762	7.198	6.954	6.243	6.708	6.723	6.683	6.747	6.702	6.832	6.742	6.932	6.782	
1446957	s at	N4bop1	C81621	Mm.25117	8	8.613	9.073	8.490	8.633	8.741	8.626	8.818	8.589	8.936	8.800	8.832	8.784	8.676	8.674	8.757	8.607	8.781	8.842	8.587	8.533	8.659	8.946	8.574	8.836	
1446958	at	D13Ertdd150e	C78021	NA	13	6.167	5.944	6.162	6.259	6.021	6.085	6.037	5.929	6.089	5.873	6.141	5.861	6.035	6.116	5.919	6.198	6.081	6.097	6.180	6.118	6.202	6.032	5.916	6.214	
1446959	at	AU021871	BG068073	NA	3	6.351	5.886	6.069	6.151	6.011	5.988	6.209	6.122	6.040	5.991	6.008	6.005	5.974	6.023	5.980	6.085	5.823	6.124	5.960	6.068	6.035	5.874	6.084	6.043	
1446960	at	NA	BG068545	NA	NA	5.572	5.052	5.414	5.271	5.420	5.446	5.532	5.239	5.131	5.246	5.573	5.424	5.524	5.278	5.580	5.451	5.221	5.502	5.500	5.288	5.228	5.454	5.479		
1446961	at	NA	BG068899	NA	NA	4.531	4.167	4.632	4.345	4.450	4.609	4.466	4.507	4.305	4.422	4.480	4.301	4.404	4.419	4.509	4.642	4.548	4.600	4.733	4.548	4.468	4.463	4.503	4.615	
1446962	at	NA	BB132284	NA	NA	4.349	4.146	4.366	4.345	4.265	4.283	4.326	4.205	4.301	4.200	4.269	4.175	4.202	4.426	4.315	4.466	4.326	4.237	4.203	4.276	4.276	4.411	4.236	4.211	
1446963	at	M2c	BB117069	Mm.312511	18	6.661	6.111	6.709	6.638	6.167	6.265	7.260	6.757	7.053	6.792	7.092	6.785	7.399	6.742	7.557	7.489	7.								

1447011	at	NA	BB340673	NA	NA	5.831	5.691	5.675	5.968	5.867	5.869	5.833	5.868	5.696	5.763	5.681	5.687	5.730	5.824	5.672	5.788	5.769	5.816	5.685	5.999	5.814	5.869	5.648	5.874	
1447012	at	NA	BB384728	NA	NA	6.141	5.541	6.101	6.001	5.963	5.725	5.914	6.001	6.019	6.002	6.512	5.912	5.927	5.980	6.182	6.103	5.240	5.970	6.303	6.111	5.506	5.800	6.060	6.038	
1447013	at	NA	AW553412	NA	NA	6.306	5.410	5.983	6.110	6.065	6.491	5.958	5.922	6.192	5.881	6.330	5.773	6.111	6.235	6.116	6.113	6.053	6.036	6.044	6.280	5.826	5.872	6.197	5.820	
1447014	at	NA	AW489535	NA	NA	6.457	6.626	6.299	6.361	6.559	6.386	6.375	6.657	6.904	6.425	6.648	6.428	6.603	6.286	6.301	6.099	6.544	6.670	6.517	6.528	6.528	6.136	6.547	6.220	
1447015	at	NA	BB462937	NA	NA	6.492	6.657	6.493	6.798	6.708	6.549	6.543	6.755	6.722	6.341	6.658	6.573	6.551	6.554	6.585	6.531	6.540	6.716	6.540	6.717	6.559	6.811	6.828		
1447016	at	NA	BB256507	Mm.286353	5	7.288	7.876	7.165	7.232	7.182	7.186	7.109	7.075	7.130	7.479	7.241	7.366	7.421	7.231	7.150	7.700	7.157	6.854	7.150	7.096	7.031	7.035	7.105		
1447017	at	NA	BE956696	NA	NA	4.658	4.235	4.393	4.473	4.332	4.325	4.454	4.217	4.225	4.399	4.655	4.265	4.174	4.322	4.318	4.461	4.393	4.232	4.366	4.651	4.534	4.418	4.429	4.247	
1447018	at	NA	BB075354	NA	NA	6.080	5.835	6.042	5.615	5.991	5.870	6.078	6.061	5.919	5.879	6.020	5.984	6.255	5.979	5.919	5.986	5.984	6.020	6.040	6.066	5.939	6.077	6.113	5.974	
1447019	at	Cmah	BB207504	Mm.8396	13	7.944	7.554	7.791	7.859	7.776	7.848	7.897	7.812	7.837	7.669	7.839	7.592	7.841	7.670	7.928	7.746	7.881	7.752	7.841	7.938	7.871	7.730	8.004	7.876	
1447020	at	NA	BB248611	NA	NA	7.919	7.946	7.993	8.082	7.910	8.152	8.054	8.048	8.057	8.123	7.527	8.266	8.444	7.941	8.094	7.972	8.555	7.902	8.038	8.047	7.887	8.431	7.804	7.784	
1447021	at	NA	AW542000	NA	NA	4.521	4.543	4.652	4.668	4.471	4.558	4.535	4.720	4.583	4.594	4.458	4.678	4.795	4.750	4.615	4.628	4.597	4.623	4.609	4.653	4.454	4.459	4.658	4.618	
1447022	at	NA	BB614861	NA	NA	6.141	5.715	5.764	6.018	5.894	5.624	5.807	5.943	5.907	5.558	6.061	5.800	6.016	6.038	5.919	5.832	5.784	5.705	5.685	5.976	5.821	5.919	5.972	5.866	
1447023	at	NA	BG072121	NA	NA	5.909	5.730	5.804	6.027	5.804	5.982	5.905	5.826	5.619	5.726	5.506	5.770	5.766	5.694	5.866	5.894	6.083	5.984	5.897	6.127	5.853	6.085	6.333	5.735	
1447024	at	NA	BM197847	NA	NA	7.170	7.370	7.513	7.241	7.351	7.278	7.373	7.342	7.464	7.341	6.966	7.170	7.303	7.213	7.454	7.326	7.091	7.436	7.354	7.393	7.341	7.170	7.622	7.426	
1447025	at	NA	BE981615	NA	NA	6.519	6.518	6.720	6.647	6.714	6.543	6.712	6.748	6.620	6.543	6.699	6.439	6.909	6.632	6.612	6.548	6.485	6.602	6.783	6.805	6.755	6.624	6.421	6.634	
1447026	at	Gatad2b	BB072388	Mm.270999	3	5.602	5.558	5.757	5.702	5.790	5.739	5.651	5.866	5.810	5.975	6.052	5.800	5.744	5.647	5.578	5.722	5.793	5.804	5.822	5.719	5.900	6.019	5.840	5.674	
1447027	s at	Lias	C77512	Mm.195776	5	11.580	11.449	11.629	11.445	11.235	11.471	11.567	11.600	11.086	11.240	11.256	11.243	11.055	11.158	11.358	11.587	11.598	11.527	11.588	11.573	11.518	11.745	11.487	11.543	
1447028	at	4935063E2Rik	BB256689	Mm.340776	11	7.782	7.282	7.529	7.663	7.606	7.428	7.458	7.561	7.409	7.430	7.508	7.400	7.594	7.311	7.377	7.391	7.775	7.448	7.569	7.645	7.590	7.659	7.587	7.578	
1447029	at	NA	BG068561	NA	NA	6.196	5.977	5.890	5.939	5.948	6.004	6.032	6.005	6.066	5.872	6.111	5.931	5.929	6.016	5.779	5.940	6.121	6.011	6.018	6.235	5.935	6.020	5.912	5.874	
1447030	at	NA	ENSMUSG000000	NA	5	4.234	4.244	4.198	4.219	4.251	4.264	4.276	4.265	4.300	4.229	4.388	4.165	4.409	4.311	4.322	4.287	4.156	4.408	4.503	4.306	4.233	4.235	4.424	4.275	
1447031	at	NA	BG072967	NA	NA	6.076	6.246	6.178	6.091	6.190	6.229	6.169	6.127	6.159	6.191	5.916	6.286	6.116	6.174	6.206	6.148	6.189	6.186	6.193	6.018	6.363	6.451	6.312	5.928	
1447032	at	NA	BG076204	NA	NA	5.498	4.898	5.081	5.293	5.012	4.952	5.054	5.472	5.178	5.054	5.142	5.000	5.175	5.360	5.046	5.004	5.362	5.273	4.994	5.123	5.206	5.035	5.160	5.330	
1447033	at	Gm829	BB770404	Mm.331582	4	5.602	5.367	5.262	5.542	5.598	5.498	5.544	5.572	5.614	5.519	5.332	5.824	5.300	5.504	5.393	5.543	5.572	5.464	5.388	5.795	5.524	5.498	5.580	5.466	5.567
1447034	at	NA	BM204579	NA	NA	6.870	6.827	6.845	7.046	7.324	6.943	6.837	6.809	7.259	6.903	6.938	6.947	7.319	6.847	7.042	6.875	6.949	6.796	6.934	7.058	6.978	7.023	7.105	6.876	
1447035	at	Homer1	BB181408	Mm.37533	13	5.897	5.567	6.092	5.900	5.959	5.740	5.894	5.875	5.740	5.832	5.814	5.784	5.837	5.851	5.775	5.896	5.640	6.068	5.855	6.071	6.026	5.544	6.095	6.323	
1447036	at	Chl1	BB214913	Mm.251288	6	6.713	6.253	6.417	6.539	6.281	6.621	6.515	6.543	6.273	6.339	6.296	6.138	6.503	6.533	6.346	6.664	6.625	6.433	6.572	6.792	6.723	6.356	6.742	6.403	
1447037	at	Php	BM218981	Mm.221688	9	6.424	4.183	4.374	4.321	4.250	4.471	4.422	4.198	4.421	4.376	4.209	4.436	4.398	4.394	4.386	4.394	4.326	4.437	4.324	4.437	4.324	4.417	4.318	4.391	
1447038	at	Phip	BM218985	Mm.221688	9	6.500	5.715	5.482	5.574	5.576	5.397	5.485	5.291	5.485	5.291	5.418	5.545	5.545	5.545	5.553	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	
1447039	at	NA	BG068380	NA	NA	4.611	4.863	4.785	4.737	4.872	4.727	4.729	4.804	4.814	4.699	4.895	4.753	4.922	4.836	4.706	4.930	4.901	4.749	4.853	4.844	4.888	4.667	4.830	4.806	
1447040	at	NA	AU041266	NA	NA	4.128	4.441	3.860	4.008	4.143	4.128	4.001	4.070	4.434	4.288	4.256	4.133	4.002	4.405	4.022	3.906	4.140	4.136	3.906	3.867	4.104	4.054	4.049	4.541	
1447041	at	9530066K23Rik	BB124417	Mm.225253	11	6.649	6.326	6.721	6.906	6.642	6.838	6.690	6.619	6.850	6.644	7.011	6.761	6.835	6.631	6.476	6.625	6.641	6.622	6.722	6.789	6.788	6.789	6.678	6.892	
1447042	at	Zbtb34	AW555329	Mm.296512	2	7.132	6.877	6.928	6.984	7.015	6.880	6.837	6.913	6.681	6.969	6.935	6.720	6.948	6.932	6.913	6.771	6.875	6.790	6.691	7.111	7.102	6.901	6.955	7.001	
1447043	at	NA	BB386653	NA	NA	7.242	6.743	7.179	7.010	7.061	7.428	7.335	6.662	6.733	6.751	6.619	6.946	6.734	7.035	6.873	7.263	7.778	7.543	7.511	7.858	7.015	6.809	7.249	6.996	
1447044	at	NA	BG068123	NA	NA	5.462	5.371	5.346	5.456	5.386	5.235	5.237	5.494	5.270	5.376	5.392	5.286	5.459	5.487	5.236	5.282	5.403	5.468	5.331	5.320	5.477	5.365	5.500	5.340	
1447045	at	NA	BB389004	NA	NA	6.248	5.954	4.940	5.999	6.245	4.924	4.927	6.286	4.936	5.732	4.996	4.736	5.424	4.952	4.942	4.922	4.159	4.948	4.967	5.905	4.967	5.905	4.967	5.905	
1447046	at	NA	BM238032	NA	NA	7.798	7.921	7.405	7.441	8.285	7.603	7.557	7.444	7.829	7.565	7.761	7.493	7.745	7.521	7.344	7.650	7.356	7.242	7.255	7.250	7.407	7.460	6.827	7.674	
1447047	at	NA	AW124751	NA	NA	6.495	5.969	6.469	6.189	6.117	6.378	6.234	6.257	6.197	6.056	6.235	6.260	6.235	6.362	6.267	6.607	6.083	6.488	6.088	6.184	6.069	6.136	6.237	6.237	
1447048	at	LOC100044360	BE952599	NA	12	7.899	7.502	7.796	7.916	7.759	7.576	7.835	7.694	7.744	7.861	7.764	7.722	7.625	7.756	7.832	7.929	7.862	7.767	7.587	7.713	7.849	7.714	7.806	7.812	
1447049	at	NA	BB767194	NA	NA	5.131	5.458	5.427	5.116	5.155	5.384	5.196	5.384	5.131	5.590	5.171	5.210	5.486	5.586	5.324	5.207	5.358	5.519	5.457	5.293	5.263	5.368	5.454	5.454	
1447050	at	NA	BG068681	NA	NA	4.787	4.707	4.839	4.867	4.885	4.730	4.763	4.625	4.774	4.677	4.745	4.872	4.724	4.689	4.883	4.659	4.767	5.080	4.774	4.815	4.651	4.627	4.754	4.753	
1447051	at	Rnt43	BG068490	Mm.440230	11	5.251	5.003	5.405	5.475	5.221	5.282	5.386	5.391	5.411	5.081	5.631	4.920	5.488	5.365	5.280	5.544	5.197	5.380	5.515	5.699	5.294	5.291	5.703	5.464	
1447052	at	NA	AU042851	NA	NA	5.625	5.231	5.394	5.839	5.354	5.336	5.522	5.343	5.259	5.346	5.469	5.351	5.380	5.043											

1447100 s at	5730509B09R1K	C08056	Mm.317049	3	6.777	6.997	6.540	6.201	6.179	6.488	6.457	6.346	6.111	6.048	6.338	6.277	6.604	6.618	5.732	6.701	6.310	6.376	6.492	6.286	5.264	5.862	5.720	5.874	
1447101 at	Rn122	BM218867	Mm.29532	8	5.268	4.696	4.678	0.509	4.928	5.139	4.957	5.053	4.953	4.796	5.227	5.015	5.136	5.007	4.990	4.834	5.150	5.063	5.076	5.289	4.992	5.249	4.908	5.013	
1447102 at	NA	BG068348	NA	NA	6.197	5.852	6.109	6.182	5.700	5.761	5.899	5.931	5.850	5.636	6.067	5.795	5.993	5.979	5.667	5.927	5.802	5.919	5.876	6.152	6.019	6.059	6.066	6.022	
1447103 at	Cdk5Rap2	BM191966	Mm.379344	4	4.787	4.895	4.727	4.752	4.838	4.900	4.765	4.914	4.982	4.821	5.094	4.861	4.850	4.902	4.939	4.701	4.933	4.721	4.880	5.209	4.825	4.749	5.085	4.876	
1447104 at	NA	BF462860	NA	NA	6.471	5.828	6.327	6.346	6.195	6.306	6.373	5.948	6.169	6.144	5.565	6.108	6.253	6.345	6.370	6.371	6.164	6.067	6.276	6.444	6.209	5.757	6.349	6.233	
1447105 at	NA	B9F84884	NA	NA	6.706	7.122	7.159	7.412	7.115	7.306	7.178	7.301	7.407	7.379	6.881	7.379	7.209	7.165	7.185	7.079	7.167	7.046	7.270	7.144	7.244	7.172	7.238	7.215	
1447106 at	NA	C768120	NA	NA	4.87	4.510	4.490	4.150	4.597	4.590	4.641	4.574	4.505	4.494	4.714	4.603	4.742	4.683	4.729	4.452	4.564	4.564	4.578	4.627	4.578	4.627	4.511	4.589	
1447107 at	DDx55	BM756348	Mm.281601	5	6.223	6.221	6.270	6.221	6.344	6.153	6.269	6.082	6.247	6.057	6.227	6.152	6.326	6.280	6.176	6.107	6.024	6.129	6.337	6.247	6.113	6.081	6.202	6.183	
1447108 at	NA	BM124100	NA	NA	5.256	5.450	5.172	5.393	5.229	5.328	5.215	5.260	5.511	5.239	5.408	5.087	5.173	5.659	5.160	4.999	5.006	4.965	5.005	5.343	5.213	4.901	5.204	5.058	
1447109 at	NA	AWA494850	NA	NA	5.351	5.664	5.194	5.283	5.149	5.082	5.039	5.605	5.296	5.034	5.043	5.342	5.279	5.242	5.251	5.375	5.242	5.037	5.286	5.276	5.171	5.522	5.341	5.212	
1447110 at	NA	BE957012	NA	NA	5.186	4.907	4.991	5.209	5.114	4.960	5.213	5.178	4.893	5.076	5.052	5.169	4.954	4.995	5.085	5.169	4.973	5.298	4.737	5.077	5.057	5.063	5.184	5.022	
1447111 at	NA	BG071357	NA	NA	4.868	4.742	4.545	4.612	4.447	4.700	4.780	4.697	4.515	4.523	4.688	4.639	4.459	4.733	4.808	4.978	4.792	4.933	4.636	5.018	4.883	4.653	4.688	4.899	
1447112 s at	Cv11	C85932	Mm.25539	14	7.807	8.061	7.715	7.769	7.887	8.044	7.850	8.008	7.918	7.777	7.645	7.991	7.699	7.976	7.730	7.812	8.089	8.175	8.076	7.895	7.872	7.746	7.802	7.429	
1447113 at	NA	BE877234	NA	NA	6.287	6.224	6.256	6.299	6.258	6.278	6.299	6.257	6.287	6.295	6.318	6.287	6.304	6.287	6.319	6.302	6.321	6.299	6.318	6.302	6.319	6.302	6.319	6.302	
1447114 x at	4930414L22R1K	BZ372002	Mm.440743	6	7.008	6.928	6.904	6.974	7.170	6.939	7.001	6.871	6.816	6.862	6.855	7.022	7.086	6.917	6.945	6.880	7.096	6.960	7.084	6.967	7.003	6.846	6.659	6.851	
1447115 at	NA	C78409	Mm.244373	10	6.319	5.929	5.568	6.401	5.887	6.212	6.396	6.493	6.055	5.982	6.058	6.345	6.302	6.192	6.912	6.588	6.242	6.165	6.089	6.012	6.027	6.087	6.003	5.902	
1447116 at	NA	BZ214530	NA	NA	3.920	3.938	3.877	3.866	4.075	3.986	4.031	3.953	4.144	4.045	4.106	3.845	4.139	4.014	3.963	4.063	3.891	4.031	3.888	3.957	3.994	4.056	3.840	3.958	
1447117 at	NA	BG073826	NA	NA	4.813	4.766	4.738	4.675	4.594	4.493	4.805	4.596	4.610	4.616	4.452	4.596	4.733	4.660	4.760	4.727	4.735	4.557	4.688	4.723	4.753	4.752	4.735	4.872	
1447118 at	Saps3	BM706191	Mm.284686	19	7.073	7.085	7.120	7.142	7.095	7.056	7.062	7.124	7.257	6.967	7.208	6.890	7.016	7.075	6.921	6.996	7.278	7.100	7.071	7.079	7.136	6.925	7.086	6.939	
1447119 at	NA	BM204065	NA	NA	5.92	5.634	5.534	5.559	5.545	5.755	5.655	5.564	5.551	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	5.564	
1447120 at	NA	BM123670	NA	NA	5.961	6.036	6.070	6.091	6.054	6.089	5.976	6.104	6.052	6.006	5.809	6.135	6.042	6.070	6.056	6.096	6.153	6.198	6.104	6.074	5.732	5.782	6.399	6.175	6.299
1447121 at	NA	BM224713	NA	NA	5.979	5.374	6.029	5.875	5.583	5.828	5.968	5.803	5.759	5.530	5.812	5.530	5.632	5.751	5.813	5.927	5.840	5.943	6.048	5.817	5.908	5.675	6.042	5.933	
1447122 at	NA	BM218697	Mm.280013	1	7.636	7.777	7.796	7.415	7.548	7.827	7.974	7.418	7.630	7.639	7.813	7.375	7.531	7.522	7.743	7.768	7.447	7.626	7.705	7.770	7.497	7.629	7.932	7.869	
1447123 at	NA	AW022045	NA	NA	4.047	3.863	4.161	4.028	4.046	4.172	4.084	3.822	4.020	4.004	3.997	3.821	3.917	4.018	4.153	4.428	4.064	4.139	4.310	4.103	4.161	4.180	4.298	4.176	
1447124 at	NA	BE634581	NA	NA	11.381	10.792	11.435	11.361	10.980	11.181	11.206	11.149	10.841	10.898	10.919	11.046	10.919	10.920	11.182	11.333	11.262	11.240	11.142	11.132	11.299	11.051	11.272	11.283	
1447125 at	NA	BG090833	NA	NA	7.600	7.383	7.446	7.407	7.469	7.345	7.602	7.435	7.280	7.219	7.710	7.348	7.442	7.739	7.428	7.432	7.569	7.598	7.580	7.328	7.604	7.483	7.483	7.483	
1447126 at	NA	BG015048	NA	NA	6.162	6.144	6.001	6.329	6.192	6.439	6.512	6.439	6.449	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	6.439	
1447127 at	NA	BZ283609	NA	NA	4.693	4.715	4.856	4.838	4.775	4.856	4.815	4.654	4.788	4.714	4.967	4.767	4.735	4.548	4.751	5.006	4.810	4.775	4.522	5.093	4.731	4.837	4.786	4.705	
1447128 at	NA	BZ283455	NA	NA	4.531	4.051	4.256	4.204	4.061	4.080	4.088	3.978	4.218	4.174	4.047	4.034	4.143	3.910	4.049	4.227	4.161	4.174	4.109	4.166	4.195	4.231	4.329	4.187	
1447129 at	NA	BG066054	NA	NA	4.877	4.749	4.844	4.774	4.794	4.821	4.823	4.710	4.793	4.708	4.871	4.641	4.718	4.717	4.818	4.727	4.740	4.751	4.693	4.904	4.663	4.694	4.884	4.704	
1447130 at	DBW5u26e	BG062935	Mm.441342	8	6.324	5.880	6.228	6.342	6.161	5.997	6.146	6.272	6.004	5.969	6.256	5.904	6.233	6.097	6.085	6.231	6.214	6.223	6.080	6.246	6.025	6.050	6.246	5.817	
1447131 at	NA	BE853478	NA	NA	6.768	6.318	6.590	6.639	6.511	6.363	6.619	6.350	6.670	6.412	6.852	6.292	6.652	6.307	6.481	6.513	6.584	6.622	6.562	6.543	6.272	6.540	6.470	6.493	
1447132 at	NA	AW475540	NA	NA	4.545	4.750	4.567	4.747	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	4.645	4.769	
1447133 at	NA	BG072392	NA	NA	4.066	3.899	3.812	3.868	3.955	3.998	3.858	3.789	3.907	3.879	3.992	3.901	3.743	3.751	3.844	3.982	3.885	3.914	3.978	3.904	3.960	3.887	4.045	4.092	
1447134 at	NA	AW491472	NA	NA	5.624	5.358	5.840	5.680	5.518	5.697	5.597	5.516	5.471	5.458	5.756	5.450	5.702	5.703	5.710	5.712	5.693	5.863	5.805	5.885	5.680	5.538	5.887	5.763	
1447135 at	NA	BZ284562	NA	NA	6.788	6.614	6.641	6.639	6.605	6.791	6.672	6.582	6.650	6.500	6.815	6.525	6.760	6.533	6.533	6.551	6.841	6.577	6.733	6.760	6.848	6.837	6.545	6.572	
1447136 at	NA	BZ283702	NA	NA	3.947	4.144	4.001	3.626	3.995	3.938	3.958	4.057	3.963	4.189	4.080	3.974	4.023	4.012	4.045	3.863	3.665	4.005	3.861	4.081	4.001	3.891	4.026	3.811	
1447137 at	NA	AW019639	NA	NA	4.691	4.710	4.725	4.770	4.677	4.958	4.932	4.747	4.696	4.669	4.689	4.600	4.634	4.772	4.731	4.772	4.777	4.688	4.759	4.931	4.760	4.667	4.876	4.899	
1447138 at	AI853502	AI853502	Mm.443719	11	6.828	6.294	6.673	6.683	6.514	6.088	6.754	6.775	6.652	6.370	6.688	6.400	6.597	6.798	6.647	6.671	6.592	6.538	6.669	6.691	6.425	6.557	6.890	6.649	
1447139 at	NA	BZ283602	NA	NA	5.544	5.440	5.492	5.492	5.544	5.440	5.492	5.544	5.440	5.492	5.544	5.440	5.492	5.544	5.440	5.492	5.544	5.440	5.492	5.544	5.440	5.492	5.544	5.440	
1447140 at	C130078N14	BZ375206	AW453332	2	5.937	5.488	5.580	5.759	5.491	5.788	5.808	5.731	5.488	5.595	5.792	5.530	5.564	5.605	5.819	5.833	5.708	5.906	5.797	5.926	5.735	5.744	5.896	5.915	
1447141 at	AW107722	AW107722	Mm.442577	16	5.648	5.400	6.695	5.714	5.427	5.481	5.618	5.834	5.584	5.588	5.752	5.552	5.572	5.698	5.575	5.794	5.683	5.716	5.688	5.775	5.652	5.659	5.452	5.630	
1447142 at	C1s7	AW542037	Mm.3692	13	4.368	4.063	4.016	4.063	4.062	4.226	4.057	4.120	4.088																

1447189	at	NA	AW493610	NA	NA	6.590	5.991	6.458	6.354	6.209	6.369	6.355	6.351	6.189	6.078	6.195	6.303	6.287	6.274	6.209	6.565	6.266	6.525	6.454	6.637	6.510	6.299	6.478	6.357	
1447190	at	NA	AI853455	NA	NA	8.115	7.833	7.955	8.019	7.930	7.975	8.048	8.021	7.854	7.796	7.953	7.880	7.943	7.988	7.905	8.049	7.887	7.936	7.876	8.058	7.936	7.844	8.099	8.071	
1447191	at	Dip2b	AI875120	Mm.234658	15	5.168	5.141	5.374	5.393	5.320	5.546	5.307	5.113	5.003	5.021	5.446	5.008	5.317	5.005	5.290	5.258	5.242	5.275	5.301	5.612	5.345	5.560	5.304	5.303	
1447192	at	NA	AU023142	NA	NA	5.495	5.147	5.481	5.381	5.500	5.414	5.464	5.613	5.222	5.024	5.536	5.242	5.448	5.314	5.580	5.482	5.582	5.376	5.434	5.701	5.492	5.449	5.618	5.733	
1447193	at	NA	AU043136	NA	NA	4.526	4.267	4.458	4.394	4.510	4.525	4.488	4.387	4.531	4.542	4.602	4.378	4.536	4.564	4.461	4.640	4.581	4.704	4.588	4.457	4.508	4.457	4.508	4.540	
1447194	at	NA	AW455404	NA	NA	4.768	4.594	4.837	4.690	4.505	4.787	4.654	4.787	4.859	4.498	4.591	4.354	4.484	4.623	4.550	4.619	4.771	4.463	4.810	4.594	4.516	4.590	4.522	4.565	
1447195	at	NA	AI526849	NA	NA	5.471	5.342	5.314	5.317	5.507	5.465	5.317	5.626	5.576	5.387	5.441	5.339	5.691	5.463	5.467	5.444	5.522	5.688	5.669	5.652	5.643	5.642	5.333	5.422	
1447196	at	ENSM5UG000000	BB615096	Mm.55711	16	5.270	5.066	5.350	5.129	5.079	5.230	5.254	5.058	4.915	5.085	5.137	5.009	4.989	5.056	5.226	5.207	5.239	5.140	5.124	5.391	5.199	5.100	5.242	5.354	
1447197	at	CB6544	CB6544	NA	10	5.671	5.119	5.829	5.590	5.647	5.635	5.804	5.578	5.499	5.374	5.726	5.474	4.555	5.617	5.731	5.819	5.471	5.861	5.677	5.817	5.743	5.531	5.242	5.763	
1447198	at	Recal	AI853438	Mm.27407	6	6.422	6.169	6.234	6.264	6.100	6.020	6.076	6.026	6.156	5.950	6.129	5.814	5.986	6.131	5.997	6.148	6.117	6.161	6.004	6.207	6.067	6.184	6.236	6.289	
1447199	at	CB06763	BO066877	NA	3	5.747	5.314	5.584	5.642	5.461	5.519	5.530	5.529	5.533	5.587	5.635	5.421	5.519	5.455	5.496	5.557	5.533	5.517	5.536	5.799	5.548	5.295	5.540	5.713	
1447200	at	Tbc105	BB705044	Mm.120650	17	5.685	5.473	5.476	5.597	5.320	5.424	5.557	5.829	5.459	5.296	5.197	5.234	5.495	5.502	5.314	5.341	5.400	5.400	5.455	5.488	5.448	5.468	5.708	5.546	5.669
1447201	at	BO067575	NA	NA	16	6.305	6.010	6.013	6.241	6.049	6.031	6.246	6.056	5.890	5.967	6.071	5.846	6.074	6.032	5.908	6.260	6.100	5.914	5.947	6.222	6.140	5.907	6.095	6.315	
1447202	at	1200009F10Rik	BB853190	Mm.252843	10	6.431	6.247	6.533	6.466	6.229	6.444	6.448	6.650	6.343	6.353	6.197	6.552	6.443	5.563	6.334	6.731	6.626	6.410	6.126	6.416	6.065	6.367	6.419	6.360	
1447203	at	NA	BO069791	NA	NA	6.159	5.815	5.943	5.745	5.845	5.955	6.052	5.859	5.882	5.741	6.026	5.848	5.960	5.855	6.023	6.011	5.829	6.110	5.863	6.324	6.157	6.000	6.107	6.089	
1447204	at	NA	BB337014	NA	NA	6.683	6.386	6.414	6.437	6.741	6.874	6.562	6.438	6.745	6.826	6.594	6.769	6.542	6.569	6.784	6.524	6.485	6.376	6.504	6.512	6.572	6.330	6.621	6.814	
1447205	x at	Rps12	BM195005	Mm.371846	10	9.668	9.611	9.691	9.601	9.667	9.575	9.557	9.649	10.392	10.035	9.750	9.678	9.814	9.894	9.628	9.483	9.711	9.628	9.592	9.656	9.610	9.550	9.568	9.170	
1447206	at	Arhqaap21	AW552490	Mm.28507	2	7.285	7.523	8.055	7.763	7.387	7.794	7.669	7.664	7.400	7.493	7.703	7.685	7.791	7.484	7.692	7.686	8.038	7.890	7.581	7.887	7.935	8.298	7.707	7.621	
1447207	at	Zyvl11b	BE946949	Mm.426241	4	5.734	5.356	5.736	5.468	5.511	5.481	5.546	5.505	5.591	5.414	5.724	5.338	5.497	5.433	5.547	5.627	5.682	5.662	5.600	5.642	5.770	5.454	5.517	5.558	
1447208	at	NA	BB775136	NA	NA	6.276	5.667	6.158	6.153	6.016	6.158	6.192	6.159	6.077	5.767	6.326	5.911	6.223	6.122	6.180	6.051	6.136	6.191	6.278	6.361	6.133	6.215	6.246	6.119	
1447209	at	NA	BM220820	NA	NA	8.280	8.152	8.397	8.381	8.207	8.372	8.227	8.078	8.504	8.402	8.203	8.399	8.327	8.350	8.353	8.259	8.230	8.409	8.356	8.368	7.974	7.987	8.084	8.089	
1447210	at	NA	BB284011	NA	NA	6.362	6.114	6.207	6.445	6.252	6.201	6.331	6.346	6.323	6.234	6.375	6.150	6.385	6.493	6.261	6.282	6.263	6.285	6.091	6.244	6.422	6.159	6.238	6.462	
1447211	at	Nrip1	BE956701	Mm.74711	16	4.726	4.587	4.455	4.575	4.436	4.657	4.550	4.474	4.394	4.421	4.743	4.326	4.463	4.537	4.684	4.677	4.762	4.553	4.490	4.762	4.459	4.430	4.547	4.868	
1447212	at	Cnot2	BB165759	Mm.351553	10	4.950	4.683	4.758	5.007	4.786	4.786	4.853	5.027	4.770	4.639	4.755	4.765	4.809	4.841	4.742	4.869	4.917	4.754	4.785	4.825	4.842	4.821	4.905	4.722	
1447213	at	NA	BB853515	NA	NA	8.229	8.085	8.261	8.303	8.119	8.445	8.566	8.562	8.207	8.295	8.167	8.171	8.354	8.286	8.308	8.372	8.255	8.323	8.522	8.186	8.484	8.888	8.533	8.493	8.205
1447214	at	EG666827	BO094486	Mm.474529	5	5.300	5.178	5.199	5.185	5.233	5.216	5.258	5.236	5.265	5.200	5.250	5.113	5.172	5.180	5.223	5.213	5.326	5.102	5.275	5.229	5.272	5.162	5.255	5.295	
1447215	at	NA	NA	NA	15	5.045	5.620	5.476	5.567	5.568	5.561	5.668	5.582	5.568	5.508	5.535	5.375	5.508	5.508	5.508	5.508	5.508	5.508	5.508	5.508	5.508	5.508	5.508	5.508	
1447216	at	BB130571	BB130571	Mm.312068	17	4.912	4.839	4.633	4.778	4.677	4.822	4.805	4.791	4.649	4.801	4.649	4.801	4.649	4.801	4.649	4.801	4.649	4.801	4.649	4.801	4.649	4.801	4.649	4.801	4.649
1447217	at	Uhrf2	BB292098	Mm.313364	19	4.436	4.309	4.147	4.235	4.480	4.260	4.316	4.352	4.562	4.652	4.264	4.732	4.488	4.419	4.647	4.119	4.084	3.972	4.262	4.116	4.343	4.599	4.325	4.379	
1447218	at	1110003F02Rik	BO071450	Mm.442571	5	8.758	8.448	8.391	8.696	8.553	8.457	8.595	8.647	8.708	8.203	8.670	8.363	8.546	8.580	8.379	8.611	8.624	8.420	8.587	8.645	8.452	8.478	8.617	8.535	
1447219	at	NA	BO031470	NA	NA	8.010	7.850	8.041	8.029	8.037	8.047	7.955	8.073	8.070	7.758	8.124	7.806	7.990	8.072	7.934	8.028	8.213	8.076	8.263	8.130	8.149	7.918	8.191	8.131	
1447220	at	NA	BO068344	NA	NA	5.296	5.050	5.042	4.940	4.958	4.997	4.931	5.220	4.923	4.858	4.886	4.909	4.989	4.936	5.023	4.968	5.055	5.074	4.994	4.906	5.158	5.176	5.001	4.844	
1447221	x at	NA	BB127905	NA	NA	3.681	3.484	3.686	3.585	3.569	3.505	3.538	3.616	3.561	3.514	3.383	3.483	3.585	3.588	3.452	3.692	3.742	3.659	3.618	3.499	3.518	3.644	3.596	3.572	
1447222	at	Hspa12a	AI854582	Mm.39739	19	4.983	4.807	4.885	4.873	4.902	4.737	4.809	4.843	4.956	4.973	4.969	4.697	4.843	4.981	4.919	4.902	4.895	4.802	5.034	5.075	4.890	4.922	5.005	4.893	
1447223	at	NA	BB394584	NA	NA	8.564	8.367	8.566	8.738	8.449	8.906	8.650	8.818	8.590	8.165	8.271	8.590	8.824	8.708	8.653	8.325	8.817	8.735	8.445	8.839	8.454	8.567	8.654	8.523	
1447224	at	NA	BM234749	NA	NA	5.707	5.294	5.451	5.569	5.609	5.680	5.601	5.798	5.854	5.734	5.567	5.569	5.582	5.638	5.785	5.628	5.784	5.644	5.492	5.785	5.667	5.611	5.604	5.401	
1447225	at	Slc16a5	AI451414	Mm.25773	11	4.594	4.448	4.671	4.533	4.436	4.503	4.423	4.792	4.574	4.512	4.627	4.627	4.758	4.636	4.530	4.582	4.631	4.626	4.548	4.556	4.624	4.728	4.441	4.715	
1447226	at	NA	AI326206	NA	NA	8.664	8.081	8.212	8.464	8.192	8.268	8.441	8.553	8.245	7.965	8.401	8.230	8.323	8.356	8.304	8.013	8.351	8.250	8.387	8.462	8.469	8.434	8.391	8.277	
1447227	at	NA	AI504711	NA	NA	4.626	4.771	4.456	4.272	4.425	4.673	4.506	4.420	4.803	4.901	4.518	4.512	4.368	4.696	4.505	4.493	4.725	4.257	4.613	4.573	4.528	4.792	4.508	4.841	
1447228	at	1110051M20Rik	BM248411	Mm.386861	2	10.436	10.112	10.238	10.350	10.300	10.244	10.353	10.319	10.174	10.187	10.386	10.118	10.304	10.185	10.264	10.255	10.239	10.252	10.288	10.401	10.298	10.195	10.331	10.217	
1447229	x at	1110051M20Rik	BM248411	Mm.386861	2	9.595	9.271	9.347	9.548	9.302	9.393	9.546	9.499	9.368	9.298	9.524	9.315	9.444	9.363	9.354	9.408	9.452	9.431	9.438	9.537	9.508	9.295	9.427	9.399	
1447230	at	Wdr92	BE096456	Mm.298132																										

1447278	at	Cep164	BB822306	Mm.260103	9	6.694	7.212	6.435	6.639	7.106	6.598	6.342	7.384	7.657	7.117	6.662	7.278	7.158	7.025	6.758	6.402	7.094	6.720	6.248	7.173	7.414	6.205	6.362	
1447279	at	NA	BF721979	NA	NA	6.900	6.690	6.659	6.721	6.770	6.660	6.696	6.681	6.901	6.606	6.689	6.915	6.757	6.708	6.684	6.847	6.625	6.566	7.002	6.882	6.836	6.641	6.853	6.802
1447280	at	NA	B6952768	NA	NA	6.528	6.094	6.375	6.065	6.052	6.132	6.302	5.975	5.689	5.692	6.107	5.651	5.674	5.663	5.756	6.511	6.033	6.068	6.123	6.138	6.011	5.715	6.232	6.251
1447281	at	NA	100042277	BF461103	Mm.297496	3	6.794	6.766	6.870	6.719	6.660	6.711	6.850	6.810	6.638	6.626	6.770	6.620	6.685	6.674	6.556	6.724	6.827	6.678	6.794	6.780	6.846	6.746	6.940
1447282	at	Gna13	BE970942	Mm.171123	17	7.216	7.146	7.246	7.308	7.126	7.142	7.116	7.457	7.048	6.963	7.239	7.030	7.121	7.099	7.095	7.516	7.314	7.181	7.274	7.328	7.244	7.297	7.334	
1447283	at	Tres10	BF319562	Mm.332756	1	5.765	5.629	5.706	5.757	5.703	5.895	5.621	5.783	5.586	5.742	5.761	5.712	5.761	5.604	5.772	5.657	5.885	5.970	5.753	5.885	5.802	5.788	5.824	5.852
1447284	at	Trm1	BB784999	Mm.248352	17	7.566	7.357	7.266	7.388	7.296	7.143	7.505	7.215	7.578	7.118	7.321	7.459	7.274	7.360	7.164	7.163	7.028	7.132	7.304	7.103	7.358	7.738	7.428	7.581
1447285	at	NA	BG072508	NA	NA	4.165	4.043	4.119	3.988	3.896	4.021	4.758	3.952	3.994	4.106	4.068	4.000	4.004	4.100	4.006	4.067	3.879	4.093	4.048	3.973	4.054	3.931	4.081	4.045
1447286	at	NA	BB749559	NA	NA	4.500	4.238	4.506	4.430	4.423	4.566	4.317	4.350	4.397	4.284	4.431	4.317	4.408	4.496	4.348	4.353	4.510	4.429	4.599	4.435	4.339	4.452	4.480	4.332
1447287	at	C77137	BG065859	Mm.348910	5	5.752	5.587	5.798	5.802	5.758	5.805	5.637	6.011	5.732	5.483	5.645	5.554	5.800	5.693	5.676	5.863	5.813	5.818	5.757	5.826	5.732	5.783	5.891	5.416
1447288	at	NA	A1464221	NA	NA	5.359	5.190	5.499	5.354	5.206	5.254	5.269	5.352	5.301	5.072	5.288	5.206	5.154	5.174	5.208	5.362	5.304	5.285	5.349	5.525	5.538	5.223	5.388	5.342
1447289	at	AW463521	Mm.436977	18	4.321	4.080	4.090	4.134	4.022	4.072	4.107	4.136	3.891	4.078	4.210	3.919	4.195	4.135	4.130	4.174	4.119	4.138	4.099	4.578	4.074	4.073	4.022	4.127	
1447290	at	Sys1	BE200196	Mm.44218	2	7.300	7.099	7.189	7.252	7.153	7.358	7.259	6.997	7.134	7.138	7.262	7.133	7.185	6.996	7.174	7.328	7.213	7.186	7.245	7.098	6.930	7.161	7.476	7.200
1447291	at	Nph1as	BE979346	Mm.398140	7	7.239	6.888	7.239	7.245	7.145	7.014	7.155	7.336	7.428	6.931	7.268	6.890	7.148	7.225	7.119	7.208	7.334	7.060	7.192	7.399	7.414	7.070	7.407	7.225
1447292	at	Actr1b	BB815306	Mm.28521	1	5.347	5.126	5.459	5.200	4.899	5.694	5.314	5.318	5.004	5.041	5.518	5.045	5.125	5.169	5.232	5.598	5.228	5.481	5.552	5.526	4.986	5.068	5.147	5.223
1447293	x at	Actr1b	BB815306	Mm.28521	1	5.298	5.169	5.335	5.015	5.003	5.304	5.040	5.234	5.089	5.232	5.324	5.023	5.064	4.989	5.152	5.052	5.329	5.380	5.366	5.493	5.177	5.069	5.097	5.142
1447294	at	Fbxw11	BB730861	Mm.28017	11	6.841	6.741	6.719	6.690	6.322	6.731	6.762	6.312	6.651	6.811	6.755	6.682	6.543	6.683	6.716	6.649	6.372	6.650	6.715	6.471	6.299	6.599	6.780	6.639
1447295	at	NA	BM244574	NA	NA	8.850	8.726	8.942	8.904	8.883	8.656	8.827	8.686	8.862	8.811	8.891	8.774	8.755	8.774	8.906	9.107	8.747	8.691	8.728	8.674	8.734	8.693	9.008	9.048
1447296	at	Fbxo27	AW490725	Mm.116116	7	5.195	5.341	5.584	5.553	5.421	5.480	5.527	5.433	5.375	5.292	5.292	5.256	5.584	5.517	5.465	5.460	5.433	5.440	5.400	5.457	5.497	5.449	5.427	5.596
1447297	at	Sic25a36	BE134115	Mm.228067	9	5.667	5.309	5.692	5.299	5.383	5.362	5.449	5.480	5.396	5.362	5.559	5.334	5.357	5.431	5.511	5.547	5.322	5.333	5.407	5.389	5.322	5.144	5.335	5.437
1447298	at	NA	BE953578	NA	NA	5.192	4.919	4.937	4.862	5.014	4.929	5.066	5.045	5.077	5.021	5.134	4.959	5.037	4.973	5.195	5.092	5.090	4.964	5.252	5.157	4.976	4.894	4.885	4.807
1447299	at	NA	BF313231	NA	NA	4.372	4.001	4.306	4.303	4.040	4.158	4.231	4.317	4.160	4.129	4.402	4.225	4.021	4.060	4.116	4.400	4.207	4.302	4.443	4.081	4.309	4.329	4.177	4.610
1447300	at	AW551984	BB040798	Mm.208855	9	7.479	7.190	7.494	7.548	7.289	7.447	7.499	7.512	7.231	7.180	7.421	7.081	7.410	7.339	7.342	7.346	7.307	7.252	7.452	7.531	7.397	7.313	7.456	7.381
1447301	at	Akap5	BG228875	Mm.311452	12	4.433	4.235	4.348	4.425	4.517	4.699	4.522	4.421	4.476	4.352	4.419	4.399	4.336	4.419	4.487	4.435	4.675	4.421	4.496	4.441	4.379	4.323	4.472	4.472
1447302	at	NA	BE956835	NA	NA	6.135	5.766	6.192	6.211	6.046	6.157	6.082	5.990	6.035	6.012	5.985	5.950	6.120	5.810	6.212	6.305	5.970	6.167	5.892	6.287	6.014	6.009	6.054	6.111
1447303	at	NA	BG070611	NA	NA	7.272	6.635	6.886	6.988	6.828	6.941	6.863	6.863	6.903	6.682	6.958	6.824	6.683	6.831	7.011	7.070	6.928	6.854	6.921	7.070	6.993	6.805	7.053	7.167
1447304	at	NA	BE920556	NA	NA	7.459	7.157	7.355	7.244	7.346	7.157	7.273	7.145	7.271	7.273	7.145	7.271	7.196	7.247	7.485	7.267	7.384	7.522	7.275	7.345	7.250	7.356	7.250	7.356
1447305	at	NA	BE992956	NA	NA	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868	3.913	3.868
1447306	at	4930545H06Rik	A1429069	Mm.23505	10	5.791	5.674	5.698	5.847	5.922	5.747	5.744	5.730	5.880	5.663	5.903	5.653	5.961	5.891	5.873	5.721	5.654	5.592	5.777	5.771	5.800	5.657	5.799	5.735
1447307	at	NA	BF458060	NA	NA	4.542	4.431	4.546	4.688	4.368	4.421	4.737	4.565	4.367	4.496	4.513	4.400	4.547	4.427	4.412	4.457	4.465	4.470	4.300	4.668	4.552	4.419	4.733	4.512
1447308	at	Lass5	BT174184	Mm.390821	15	4.367	4.621	4.757	4.634	4.550	4.889	4.629	4.275	4.637	4.495	4.965	4.771	4.717	4.999	5.046	4.969	4.510	4.663	4.447	4.550	4.422	4.855	4.643	5.038
1447309	at	NA	BB614421	NA	NA	6.541	6.188	6.461	6.460	6.360	6.429	6.388	6.312	6.128	6.344	6.382	6.340	6.216	6.491	6.266	6.262	6.537	6.311	6.286	6.321	6.430	6.308	6.464	6.506
1447310	at	C630028N24Rik	A1426056	Mm.259334	9	8.556	8.130	8.422	8.561	8.211	8.250	8.454	8.258	8.295	8.260	8.330	8.366	8.381	8.382	8.360	8.437	8.490	8.389	8.379	8.563	8.581	8.308	8.574	8.458
1447311	at	Sic6a2	BE956505	Mm.57040	8	8.051	7.703	7.952	7.919	7.813	7.784	7.928	7.846	7.724	7.609	7.839	7.860	7.845	7.811	7.801	7.874	7.930	7.712	7.895	7.973	7.935	7.948	8.003	7.746
1447312	at	NA	BE956505	Mm.57040	8	8.588	8.009	8.062	8.249	8.038	8.022	8.031	8.118	8.006	8.052	8.118	8.036	8.113	8.056	8.040	8.098	8.032	8.043	8.032	8.043	8.032	8.043	8.032	8.043
1447313	at	NA	BB750488	NA	NA	8.109	7.765	7.997	8.121	8.067	8.023	8.082	8.073	8.164	7.828	8.033	8.131	8.103	7.986	8.155	8.050	7.919	7.994	8.118	8.136	8.122	8.013	8.123	8.123
1447314	at	NA	A1480643	NA	NA	8.224	7.769	8.572	8.565	8.544	8.880	8.674	8.368	8.159	8.803	8.211	8.280	8.315	8.273	8.303	8.584	8.955	8.664	8.612	8.953	8.562	8.891	8.988	8.822
1447315	at	NA	AW489338	NA	NA	6.661	6.614	6.484	6.871	6.502	6.632	6.655	6.749	6.728	6.473	6.578	6.462	6.580	6.657	6.678	6.401	6.754	6.626	6.719	6.685	6.583	6.686	6.939	6.511
1447316	at	NA	BE943757	NA	NA	7.010	6.482	6.824	6.856	6.765	6.810	6.933	6.842	6.629	6.736	6.806	6.694	6.757	6.686	6.770	6.851	6.703	6.763	6.796	7.106	6.972	6.848	6.900	7.121
1447317	at	NA	BE948373	NA	NA	5.490	5.039	5.498	5.289	5.274	5.278	5.355	5.422	5.136	5.083	5.266	5.259	5.264	5.160	5.333	5.360	5.375	5.425	5.475	5.525	5.363	5.570	5.282	5.216
1447318	at	NA	BB260663	NA	NA	4.451	4.272	4.259	4.407	4.366	4.467	4.540	4.353	4.480	4.127	4.490	4.398	4.458	4.416	4.352	4.390	4.360	4.396	4.330	4.786	4.293	4.410	4.457	4.365
1447319	at	NA	BE956505	NA	NA	5.529	5.507	5.807	5.749	5.529	5.507	5.807	5.529	5.507	5.807														

1447367	at	Scfd2	BB750313	Mm.134147	5	6.580	6.267	6.642	6.466	6.401	6.491	6.435	6.409	6.546	6.321	6.571	6.318	6.317	6.392	6.487	6.557	6.460	6.583	6.762	6.603	6.519	6.477	6.561	6.998
1447368	at	LOC100040766	BF019000	Mm.386915	1	5.199	4.777	4.954	5.033	4.975	5.045	4.962	5.100	4.817	4.939	5.018	4.808	4.973	5.089	4.993	5.170	5.245	5.028	5.378	5.037	5.182	5.157	4.944	5.150
1447369	at	1190005F20Rik	AI426880	Mm.289373	1	6.847	6.981	6.863	6.881	6.878	6.736	6.961	6.933	7.083	6.897	6.973	6.866	7.040	6.888	6.698	6.883	6.740	6.884	6.941	7.031	6.845	6.870	6.623	6.873
1447370	at	NA	AI505360	NA	NA	6.864	6.815	7.084	7.064	6.999	6.951	7.029	6.923	6.695	6.806	6.878	6.848	6.736	6.795	6.834	6.894	7.032	7.056	6.968	7.059	7.016	7.059	6.900	7.157
1447371	at	NA	BB706567	NA	NA	9.111	7.947	7.167	7.976	7.947	8.901	8.049	8.066	8.083	7.900	7.928	7.858	7.799	7.891	8.049	8.181	8.463	8.284	8.424	8.637	8.231	8.234	8.198	8.096
1447372	at	Algh16a1	BB811947	Mm.82139	7	7.995	8.374	7.601	8.088	8.248	8.032	8.046	8.192	8.291	8.282	8.121	8.580	8.244	8.077	7.939	7.790	8.434	8.167	7.917	7.760	8.119	8.356	7.727	7.836
1447373	at	NA	AW121856	NA	NA	4.971	4.620	4.687	4.830	4.713	4.643	4.621	4.799	4.835	4.638	4.760	4.555	4.560	4.691	4.564	4.590	4.676	4.826	4.725	4.579	4.497	4.733	4.561	4.620
1447374	at	NA	BB751223	NA	NA	8.173	7.989	8.039	8.158	8.143	7.926	8.145	8.167	8.093	7.935	8.218	7.926	8.009	8.001	7.945	8.095	8.044	8.114	8.041	8.080	8.040	7.938	8.094	8.231
1447375	at	NA	AW122972	NA	NA	6.298	6.244	6.256	6.262	6.347	6.221	6.285	6.410	6.435	6.215	6.373	6.381	6.291	6.528	6.361	6.349	6.398	6.338	6.343	6.568	6.259	6.472	6.145	6.387
1447376	at	Mov10	BB751158	Mm.1597	3	8.283	8.220	8.113	8.316	8.200	8.176	8.231	8.242	8.284	8.274	8.222	8.141	8.233	8.291	8.201	8.335	8.170	8.152	8.225	8.350	8.202	8.133	8.296	8.333
1447377	at	Gm428	BB710064	Mm.331671	4	8.613	8.109	8.479	8.513	8.274	8.311	8.327	8.285	8.175	8.213	8.388	8.173	8.220	8.389	8.477	8.437	8.278	8.179	8.329	8.398	8.299	8.132	8.392	8.462
1447378	at	NA	BB750255	NA	NA	4.097	4.066	3.860	3.899	3.776	3.787	3.985	3.884	3.862	3.981	3.796	3.889	3.937	3.839	3.809	3.846	3.840	3.836	3.947	3.866	3.691	3.773	3.853	3.849
1447379	at	NA	BB295722	NA	NA	4.987	4.950	5.123	5.124	5.141	5.017	4.831	4.936	4.917	5.116	4.808	5.192	4.925	4.961	5.193	5.029	5.378	5.123	4.956	5.203	5.500	5.243	5.170	4.965
1447380	at	Amdhd1	BB797326	Mm.244518	10	4.116	3.927	4.065	4.015	4.231	3.943	3.987	4.071	4.133	3.940	4.194	4.117	4.007	4.067	4.228	4.220	4.068	4.138	4.109	4.058	4.099	4.120	4.185	4.096
1447381	at	NA	BB725729	NA	NA	4.761	4.507	4.792	4.517	4.558	4.871	4.729	4.581	4.495	4.714	4.575	4.675	4.637	4.597	4.771	4.838	4.644	4.780	4.587	4.890	4.714	4.874	4.687	4.889
1447382	at	Piot	BB780056	Mm.28228	2	6.833	7.329	6.917	6.918	6.996	6.791	6.907	7.052	7.409	7.315	7.032	6.940	7.077	6.876	6.888	6.868	7.057	7.026	7.047	6.708	6.952	7.079	6.782	6.814
1447383	at	NA	BG072474	NA	NA	4.626	4.486	4.494	4.662	4.716	4.462	4.556	4.555	4.573	4.529	4.718	4.504	4.488	4.525	4.625	4.502	4.666	4.562	4.549	4.712	4.414	4.570	4.726	4.572
1447384	at	Abcc5	AW456891	Mm.20845	16	6.577	6.297	6.580	6.609	6.530	6.579	6.738	6.592	6.869	6.624	6.580	6.468	6.795	6.564	6.564	6.523	6.536	6.518	6.508	6.508	6.625	6.662	6.705	6.604
1447385	at	NA	AI843353	NA	NA	6.254	6.058	6.464	6.223	6.081	6.219	6.104	6.183	6.007	6.135	6.126	6.048	6.213	6.170	6.269	6.133	6.108	6.157	6.220	6.500	6.157	6.195	6.271	6.376
1447386	at	NA	BG060596	NA	NA	4.933	4.642	5.237	4.902	4.852	5.058	4.873	4.889	4.740	4.843	4.715	4.858	4.703	4.600	4.851	5.033	5.001	5.005	4.997	5.015	4.578	4.856	5.223	4.819
1447387	at	NA	AU018113	NA	NA	3.980	3.797	3.980	4.033	3.973	3.998	4.107	3.978	3.964	3.925	4.050	3.845	3.982	3.889	3.853	4.005	3.927	4.079	4.084	3.954	3.947	3.886	4.125	3.940
1447388	at	NA	AI448156	NA	NA	4.665	4.854	4.695	4.676	4.699	4.663	4.726	4.858	4.649	4.612	4.724	4.563	4.659	4.764	4.692	4.801	4.760	4.702	4.677	4.806	4.717	4.780	4.765	4.695
1447389	at	AI662168	AI662168	Mm.325758	9	6.398	6.470	6.608	6.579	6.651	6.434	6.473	6.653	6.481	6.367	6.628	6.509	6.492	6.402	6.668	6.537	6.540	6.483	6.673	6.420	6.561	6.451	6.609	6.719
1447390	at	NA	AU042686	NA	NA	4.548	4.199	4.465	4.609	4.255	4.405	4.486	4.369	4.424	4.102	4.263	4.128	4.226	4.167	4.334	4.549	4.510	4.481	4.447	4.414	4.359	4.448	4.354	4.550
1447391	at	NA	BI466877	NA	NA	6.770	6.396	6.481	6.632	6.447	6.628	6.688	6.716	6.355	6.155	6.503	6.566	6.520	6.516	6.582	6.488	6.582	6.528	6.645	6.515	6.664	6.426	6.496	6.626
1447392	s at	Cpd	BB710395	Mm.276736	11	6.598	6.181	6.869	6.516	6.514	6.561	6.768	6.953	6.327	6.633	6.730	6.330	6.558	6.468	6.839	6.695	6.317	6.520	6.825	6.908	6.202	6.373	6.669	6.660
1447393	at	NA	BB706567	NA	NA	8.123	8.047	7.887	7.992	7.877	7.887	7.874	8.000	7.928	7.858	7.900	7.858	7.799	7.891	8.049	8.181	8.463	8.284	8.424	8.637	8.231	8.234	8.198	8.096
1447394	at	EG622139	BB750818	Mm.447150	3	3.920	3.765	3.780	3.712	3.730	3.668	3.833	3.722	3.715	3.829	3.790	3.938	3.682	3.780	3.914	3.779	3.967	3.801	3.826	3.810	3.923	3.863	3.663	3.649
1447395	at	Delb21	AV267348	Mm.84518	2	5.178	5.082	5.073	5.020	5.031	5.010	5.072	5.093	5.066	5.020	5.218	4.997	5.071	5.075	4.976	4.940	5.020	4.976	5.086	5.061	5.065	5.060	5.188	5.117
1447396	at	NA	BG072185	NA	NA	5.522	5.401	5.656	5.537	5.527	5.430	5.486	5.592	5.648	5.476	5.552	5.537	5.418	5.515	5.539	5.370	5.508	5.458	5.465	5.600	5.487	5.701	5.564	5.690
1447397	at	1700129I04Rik	BB733030	Mm.222812	7	4.995	4.931	5.152	5.093	5.347	5.158	5.188	5.031	5.164	5.348	5.253	5.071	5.158	5.235	5.189	5.135	5.388	5.181	5.123	5.261	5.252	5.053	5.035	5.170
1447398	at	NA	AU041341	NA	NA	6.878	6.441	6.707	6.890	6.555	6.664	6.714	6.620	6.660	6.426	6.714	6.526	6.590	6.635	6.750	6.652	6.639	6.631	6.623	6.815	6.766	6.601	6.743	6.785
1447399	at	NA	AU043596	NA	NA	8.252	7.800	8.033	8.045	8.051	8.024	8.025	8.038	8.006	7.855	8.168	7.821	7.914	8.004	8.043	8.180	7.952	7.920	8.010	8.303	8.046	7.884	8.195	8.132
1447400	at	Ryk	BB704205	Mm.335391	9	6.544	6.474	6.332	6.251	6.352	6.253	6.422	6.383	6.575	6.355	6.465	6.341	6.311	6.439	6.334	6.380	6.168	6.214	6.595	6.500	6.017	6.167	6.651	6.360
1447401	at	Wbp11	AW041341	Mm.141197	6	5.245	5.092	4.827	5.194	5.225	5.751	5.723	5.979	4.946	4.935	5.973	5.836	5.330	5.166	4.797	5.502	4.989	5.872	5.152	4.899	5.165	5.022	5.122	5.857
1447402	at	NA	AI849052	NA	NA	4.900	4.505	4.763	5.058	4.732	4.592	5.149	4.796	4.574	4.694	4.454	5.053	4.755	4.903	4.499	4.817	4.760	4.896	4.675	4.797	4.807	4.994	4.644	4.442
1447403	a at	Zmynd19	AW125726	Mm.296106	2	6.740	6.624	6.892	6.779	6.661	6.660	6.879	6.665	6.616	6.640	6.910	6.822	6.527	6.715	6.717	6.950	6.692	6.908	7.110	6.925	6.586	6.663	6.796	6.968
1447404	at	Rnf165	AW228769	Mm.23293	18	6.315	6.219	6.312	6.241	6.274	6.136	6.266	6.295	6.253	6.293	6.406	6.267	6.353	6.274	6.431	6.374	6.250	6.216	6.080	6.364	6.088	6.294	6.351	6.336
1447405	at	NA	BB479096	NA	NA	4.446	4.470	4.537	4.514	4.583	4.476	4.467	4.448	4.553	4.431	4.450	4.420	4.439	4.356	4.430	4.424	4.513	4.501	4.458	4.509	4.294	4.411	4.474	
1447406	at	NA	AW050127	NA	NA	5.085	4.740	5.132	4.906	5.147	5.069	4.967	5.206	4.957	5.079	4.999	5.107	5.002	5.116	5.252	5.079	5.095	5.182	5.573	5.048	5.051	5.188	5.161	
1447407	at	Centd3	BG797331	Mm.247642	18	6.665	6.607	6.997	7.064	6.761	7.027	6.923	7.069	6.885	6.962	7.083	7.126	7.252	6.981	7.101	7.114	6.806	7.060	7.191	7.014	7.024	6.951	7.047	6.862
1447408	at	NA	AW209177	NA	NA	7.452	7.293	7.422	7.393	7.603	7.571	7.595	7.167	7.450	7.302														

1447456	x	at	Dcpp3	C86550	Mm.390964	17	8.420	8.010	8.351	8.320	8.242	8.199	8.471	8.330	7.974	8.057	8.151	8.211	8.240	8.155	8.298	8.457	8.485	8.329	8.321	8.445	8.318	8.159	8.285	8.334	
1447457	at	NA	AW121199	NA	NA	NA	5.089	4.764	5.046	4.991	5.119	5.132	5.012	5.148	5.022	4.899	5.109	4.825	5.185	4.875	4.978	5.154	5.948	5.342	5.181	5.421	5.324	5.094	5.476	5.517	
1447458	at	NA	BE954474	NA	NA	NA	8.671	8.090	8.667	8.481	8.084	8.864	8.588	8.903	7.934	8.114	8.390	8.331	8.553	8.367	8.288	8.671	8.109	8.177	7.991	8.324	8.027	7.896	8.291	8.268	
1447459	at	NA	BB256199	NA	NA	NA	4.803	4.981	4.926	5.007	4.994	5.051	5.062	5.170	5.093	5.044	5.399	4.863	5.113	5.278	5.148	5.364	5.108	5.173	5.108	5.093	5.098	5.287	5.898	5.059	4.790
1447460	at	NA	AI551249	NA	NA	NA	5.814	5.473	5.763	5.636	5.779	5.566	5.851	5.971	5.678	5.638	5.885	5.810	5.953	5.721	5.756	5.694	5.885	5.826	5.885	5.786	5.885	5.798	5.687	5.687	
1447461	at	NA	AI448779	NA	NA	NA	6.473	6.266	6.404	6.302	6.167	6.456	6.401	6.130	6.098	6.344	6.083	6.294	6.256	6.464	6.047	6.420	6.456	6.400	6.265	6.456	6.400	6.551	6.456	6.551	
1447462	at	D7Wsu130e	AI1480533	Mm.3635	7	7.185	6.947	7.353	7.655	7.876	7.931	7.555	6.275	6.545	7.125	6.916	7.118	6.829	6.580	7.397	7.316	6.752	6.430	6.562	6.747	7.476	7.370	7.793	7.848	7.848	
1447463	at	NA	BE982228	NA	NA	NA	3.849	3.816	3.844	3.856	3.933	3.881	4.029	4.017	3.783	3.893	4.184	3.634	3.901	4.038	3.856	4.017	4.079	3.895	3.973	3.881	3.912	3.840	3.987	4.007	
1447464	at	Anks1b	AI836144	Mm.440605	10	5.390	5.084	5.247	5.113	5.172	5.047	5.269	5.127	5.236	5.275	5.250	5.105	5.204	5.189	5.096	5.190	5.326	5.095	5.306	5.395	5.170	5.209	5.195	5.204	5.204	
1447465	at	NA	BM238730	NA	NA	NA	7.944	7.405	7.993	7.600	7.465	7.666	7.733	7.531	7.404	7.458	7.672	7.459	7.327	7.569	7.783	8.018	7.728	7.830	7.824	8.046	7.737	7.468	7.788	8.191	
1447466	at	NA	AI586037	NA	NA	NA	5.446	5.314	5.495	5.430	5.299	5.542	5.559	5.479	5.384	5.275	5.913	5.413	5.437	5.379	5.356	5.533	5.619	5.541	5.626	5.585	5.748	5.505	5.544	5.589	5.623
1447467	at	Pcdra	AW123820	Mm.224246	2	6.883	6.730	6.832	6.935	6.974	6.963	6.875	7.085	6.783	6.559	6.698	6.912	6.906	6.705	6.745	6.809	7.102	6.893	6.781	6.780	6.953	7.189	6.971	6.740	7.400	
1447468	at	NA	AW124687	NA	NA	NA	4.843	4.650	4.804	4.754	4.822	4.701	4.855	4.780	4.951	4.812	4.943	4.550	4.819	4.832	4.768	4.723	4.816	4.966	5.033	5.074	4.642	4.678	4.864	4.781	
1447469	at	Ccdc6	BB836191	Mm.247767	14	7.958	7.630	7.904	7.773	7.568	7.669	7.702	7.882	7.610	7.641	6.790	7.692	7.714	7.668	7.445	7.985	7.874	7.813	7.809	7.890	7.616	7.794	7.701	8.024	8.024	
1447470	at	Hdh2	BF451327	Mm.236127	18	5.919	5.529	5.802	5.721	5.572	5.787	5.848	5.833	5.634	5.434	5.709	5.661	5.682	5.797	5.759	5.844	5.785	5.779	5.597	5.879	5.661	5.562	5.752	5.782	5.782	
1447471	at	NA	AW112074	NA	NA	NA	7.171	7.126	7.272	7.201	7.181	6.962	7.116	7.422	7.020	7.146	6.868	7.587	7.459	7.210	7.072	7.208	7.378	7.250	6.892	7.020	7.252	7.658	7.053	7.044	
1447472	at	NA	BE946737	NA	NA	NA	6.373	6.084	6.317	6.250	6.172	6.235	6.336	6.300	6.091	6.123	6.376	6.141	6.067	6.281	6.270	6.291	6.321	6.281	6.430	6.271	6.417	6.142	6.238	6.230	
1447473	at	NA	BG798142	NA	NA	NA	5.495	5.731	5.969	5.526	5.381	5.364	5.395	5.820	5.296	5.734	5.195	5.589	5.306	5.371	5.383	5.438	5.716	5.997	5.442	5.386	5.459	5.806	5.591	5.294	
1447474	at	Ramp1	BB799448	Mm.3272	1	7.674	7.303	7.506	7.515	7.419	7.500	7.576	7.523	7.495	7.206	7.548	7.356	7.362	7.503	7.319	7.363	7.493	7.515	7.391	7.472	7.426	7.375	7.366	7.453	7.453	
1447475	at	Gm967	AW457804	Mm.426078	19	7.021	7.529	6.976	7.007	7.233	7.128	7.120	6.671	7.205	7.527	7.306	7.503	7.304	7.131	7.129	7.029	6.613	7.129	7.302	7.094	6.790	6.736	7.028	7.028	7.035	
1447476	at	Abcc10	BB079952	Mm.76543	17	7.231	6.963	7.038	7.040	6.889	6.874	7.191	7.021	6.974	6.966	7.208	6.966	6.979	7.233	7.033	7.058	6.855	7.149	6.974	7.096	7.098	6.940	7.126	7.161	7.418	
1447477	at	3110006E14Rik	BF467553	Mm.23960	13	6.447	6.306	6.401	6.397	6.393	6.313	6.434	6.810	6.438	6.308	6.374	6.384	6.412	6.436	6.422	6.349	6.564	6.259	6.439	6.363	6.553	6.429	6.508	6.357	6.357	
1447478	at	NA	BB802543	NA	NA	NA	5.336	5.303	5.471	5.613	5.366	5.383	5.412	5.431	5.351	5.259	5.386	5.249	5.076	5.399	5.340	5.467	5.383	5.311	5.341	5.509	5.390	5.513	5.405	5.371	
1447479	at	NA	BE990881	NA	NA	NA	5.462	4.996	5.236	5.241	5.176	5.108	5.308	5.114	5.086	5.191	5.071	5.190	5.216	5.149	5.156	5.258	5.011	5.058	5.239	5.258	4.999	4.979	5.094	5.341	
1447480	at	NA	BB801162	NA	NA	NA	6.603	5.605	6.464	6.342	6.083	7.141	6.977	4.964	4.894	5.189	5.179	5.158	5.290	5.317	5.908	6.432	6.799	6.443	7.036	6.424	5.893	6.223	6.01	6.141	
1447481	at	NA	BI793813	NA	NA	NA	7.181	7.025	7.339	7.269	7.122	7.427	7.303	7.241	7.165	7.247	7.071	7.175	7.468	7.198	7.283	7.459	7.282	7.447	7.035	7.341	7.275	7.442	7.258	7.491	
1447482	at	NA	BB799998	NA	NA	NA	7.471	7.491	7.699	7.598	7.496	7.496	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473	
1447483	at	Snhq7	AV011566	Mm.27103	2	6.033	6.326	5.460	5.991	6.130	6.035	6.056	6.365	6.260	7.751	5.992	6.205	5.901	5.972	7.772	5.888	6.011	5.386	6.195	5.895	6.423	6.251	5.068	5.755	5.755	
1447484	x	at	Snhq7	AV011566	Mm.27103	2	6.910	7.136	6.899	6.930	6.776	6.892	6.946	7.096	7.025	6.898	7.355	6.956	6.952	6.949	6.757	7.177	7.085	7.290	6.972	6.599	7.026	6.952	7.018	6.737	
1447485	at	Gpr150	AI462560	Mm.167172	13	7.003	6.633	6.966	7.040	6.936	6.802	6.973	7.086	7.073	6.971	7.001	6.845	6.735	7.043	6.942	6.964	6.833	6.765	6.978	6.973	7.030	7.037	7.011	6.884	6.884	
1447486	at	NA	BE991811	NA	NA	NA	8.726	8.284	8.756	8.617	8.501	8.603	8.748	8.639	8.525	8.441	8.809	8.484	8.597	8.566	8.615	8.859	8.619	8.684	8.553	8.775	8.536	8.464	8.590	8.633	
1447487	at	Opalin	AW046662	Mm.54119	19	5.234	4.583	5.006	4.981	4.794	5.066	5.099	4.847	4.526	4.449	5.020	4.618	4.920	4.753	4.995	5.102	4.993	5.095	4.923	5.274	4.860	5.045	4.884	5.023	5.023	
1447488	at	NA	BM878297	NA	NA	NA	5.035	5.076	4.875	5.032	5.058	4.811	4.927	5.180	5.199	5.108	5.264	5.116	5.178	5.251	4.856	4.933	4.980	4.878	5.188	5.187	5.097	4.920	5.044	4.970	
1447489	at	Tmem214	AI841294	Mm.205169	5	8.035	7.746	7.911	7.911	8.009	7.919	7.970	8.052	7.999	7.910	7.760	7.870	8.070	7.942	7.850	7.968	7.980	7.940	8.043	7.967	8.063	8.099	7.837	7.859	7.780	
1447490	at	NA	AI921942	NA	NA	NA	4.295	4.224	4.213	4.517	4.517	4.428	4.598	4.537	4.205	4.430	4.253	4.909	4.907	4.194	4.252	4.409	4.394	4.137	4.316	4.491	4.249	4.398	4.398	4.398	
1447491	at	NA	BE987722	NA	NA	NA	8.407	8.048	8.349	8.435	8.137	8.288	8.292	8.307	8.164	8.282	8.451	8.263	8.454	8.311	8.413	8.370	8.398	8.287	8.290	8.445	8.250	8.352	8.457	8.454	
1447492	at	NA	BB614956	NA	NA	NA	4.390	4.274	4.447	4.433	4.443	4.454	4.342	4.534	4.478	4.243	4.610	4.396	4.289	4.384	4.433	4.493	4.675	4.471	4.479	4.465	4.320	4.420	4.337	4.400	
1447493	at	A530088H08Rik	AI413840	Mm.440256	11	8.368	8.912	8.928	8.577	8.392	8.443	8.332	8.482	8.139	8.313	8.655	8.236	8.125	8.207	7.933	9.024	8.929	9.469	9.796	9.008	8.324	8.240	7.802	7.371	7.371	
1447494	at	D7Bwa0825e	R74675	Mm.276298	7	5.061	4.940	4.967	5.025	4.764	4.918	5.024	4.996	4.752	4.809	4.554	5.013	5.012	5.070	5.044	5.041	5.060	5.160	5.177	5.216	4.902	5.124	4.902	5.124	5.037	
1447495	at	Fank1	AI850911	Mm.87448	7	3.859	3.496	3.934	3.679	3.583	3.773	3.698	3.772	3.662	3.731	3.848	3.602	3.690	3.680	3.966	3.759	3.776	3.879	3.834	3.792	3.747	3.660	3.824	3.838	3.838	
1447496	s	at	Fank1	AI850911	Mm.87448	7	8.273	7.929	7.909	8.122	8.026	7.982	8.127																		

1447545	at	D7Erd193e	C78641	NA	7	4.710	4.531	4.799	4.732	4.671	4.671	4.756	4.810	4.672	4.566	4.568	4.650	4.733	4.761	4.843	4.598	4.735	4.714	4.877	5.021	4.481	4.701	4.652	4.778
1447546	s at	NA	BB209820	NA	NA	4.481	4.728	4.518	4.591	4.859	4.666	4.856	4.646	4.717	4.787	4.442	5.187	4.790	4.683	4.720	4.511	4.706	4.595	4.641	4.719	4.641	4.960	4.328	4.622
1447547	at	Ltlp1	BB138185	Mm.269747	17	4.468	4.575	4.642	4.592	4.416	4.910	4.628	4.474	4.618	4.671	4.349	4.541	4.498	4.471	4.379	4.551	4.880	4.854	4.677	4.663	4.347	4.603	4.641	4.705
1447548	at	Abhd5	AV330734	Mm.280254	9	6.194	5.827	6.080	5.925	5.939	5.971	6.093	5.967	5.854	5.620	6.106	5.778	5.825	5.928	6.042	6.093	6.124	6.036	5.985	6.504	6.064	5.857	6.129	6.455
1447549	at	Nhl1	BB121688	Mm.13503	13	9.285	8.987	9.138	9.281	9.111	9.072	9.120	9.160	9.215	9.050	9.236	9.056	9.141	9.124	9.121	9.236	9.048	9.084	9.171	9.238	9.048	9.188	9.168	9.168
1447550	at	EG656892	BB545511	Mm.447186	5	5.289	5.209	5.129	5.036	4.943	5.161	5.241	5.464	5.482	5.060	5.321	5.332	5.420	4.556	5.202	5.243	5.397	5.051	5.140	5.040	5.456	5.037	5.175	5.271
1447551	x at	Lphn3	BB274232	Mm.273631	5	4.894	4.937	5.113	5.099	5.018	5.013	5.007	4.829	5.040	5.080	4.936	5.016	5.081	5.012	4.996	4.883	4.866	5.071	4.790	5.042	4.975	4.885	4.870	4.875
1447552	s at	NA	AV169798	NA	NA	4.594	4.396	4.415	4.527	4.531	4.539	4.327	4.888	4.637	4.506	4.386	4.378	4.592	4.618	4.247	4.592	4.544	4.482	4.425	4.639	4.525	4.449	4.428	4.469
1447553	x at	Ric3	BB312654	Mm.71007	7	3.798	3.739	3.758	3.683	4.011	3.781	3.880	3.725	3.791	3.764	3.875	3.983	4.072	3.888	3.769	3.742	3.828	3.808	3.905	3.833	3.783	3.714	3.801	3.786
1447554	at	BC031781	BB121078	Mm.272625	1	3.944	4.135	4.163	3.907	4.038	4.091	4.161	4.050	4.120	3.980	4.072	4.018	3.987	4.110	4.118	4.010	4.090	4.238	4.174	4.104	4.101	4.074	3.907	4.222
1447555	at	NA	BM197099	NA	NA	5.708	5.696	5.818	5.859	5.808	5.678	5.778	5.802	5.710	5.895	5.690	5.659	5.951	6.092	5.841	5.794	5.762	5.707	5.735	5.852	5.433	5.710	5.993	5.646
1447556	x at	1700094D03Rik	BB210693	Mm.388247	3	6.586	6.362	6.594	6.572	6.492	6.402	6.599	6.943	6.672	6.401	6.534	6.414	6.328	6.410	6.515	6.484	6.696	6.551	6.595	6.511	6.623	6.727	6.618	6.522
1447557	at	NA	BB051524	Mm.198119	1	7.071	6.566	7.035	6.968	6.707	7.074	7.026	6.988	6.723	6.752	7.037	6.815	6.749	6.936	7.012	7.078	6.938	7.201	6.986	7.391	7.037	6.960	7.086	7.005
1447558	at	NA	BB138877	NA	NA	6.976	6.702	6.807	6.703	6.829	6.764	6.921	6.993	6.919	6.572	6.904	6.808	6.774	6.777	6.832	6.772	6.712	6.832	6.980	6.889	6.831	7.074	6.860	6.905
1447559	at	AI834762	AI834762	Mm.40367	1	7.307	7.323	7.271	7.282	7.326	7.397	7.355	7.437	7.241	7.150	7.319	7.295	7.198	7.298	7.336	7.424	7.340	7.273	7.290	7.490	7.174	7.190	7.288	7.416
1447560	at	NA	BB221678	NA	NA	7.677	7.357	7.894	7.740	7.688	7.725	7.718	7.624	7.588	7.680	7.738	7.427	7.623	7.393	7.561	7.657	7.749	7.534	7.735	7.794	7.707	7.653	7.894	7.724
1447561	at	NA	BE952998	NA	NA	6.429	6.114	6.019	6.143	6.113	5.980	6.058	6.159	5.967	5.887	6.324	5.897	6.026	6.125	6.125	6.090	6.154	6.210	6.155	6.135	6.272	6.144	6.090	5.991
1447562	at	Foxf2	BB250047	Mm.390554	13	3.968	3.974	3.981	4.151	4.033	4.022	4.124	4.039	4.055	4.008	3.945	4.141	4.051	4.098	3.990	4.103	4.210	4.086	4.140	4.157	4.140	4.038	4.076	4.336
1447563	at	Rps3	AV169767	Mm.236688	7	7.792	7.325	7.757	7.805	7.547	7.765	7.756	7.471	7.467	7.498	7.823	7.518	7.663	7.636	7.851	7.796	7.599	7.669	7.623	7.912	7.724	7.524	7.884	7.836
1447564	x at	Pwif4	BB814395	Mm.334969	9	3.737	3.567	3.708	3.607	3.640	3.562	3.615	3.589	3.704	3.649	3.511	3.620	3.678	3.725	3.656	3.623	3.757	3.609	3.735	3.559	3.602	3.619	3.573	3.688
1447565	at	1700082C02Rik	AV205775	Mm.443301	17	3.905	3.949	3.958	3.907	3.948	4.248	3.953	3.848	3.957	3.764	4.114	3.894	3.920	3.738	3.859	3.948	3.948	3.969	4.126	4.038	3.832	3.836	3.959	3.915
1447566	at	Hdac4	AI837378	Mm.318567	1	7.173	6.831	7.153	7.220	7.000	7.110	7.036	6.931	6.992	6.875	7.026	6.863	6.901	6.818	6.804	7.044	7.097	6.998	7.137	7.065	7.035	7.034	7.151	7.264
1447567	at	Odca2	BM118129	Mm.42191	8	3.982	4.468	4.207	4.364	4.541	4.337	3.967	4.373	5.235	5.423	4.208	4.616	4.739	4.404	5.020	4.116	4.713	4.492	4.258	4.467	4.197	4.512	4.411	4.207
1447568	at	Gatc	AI452045	Mm.229308	5	5.583	5.499	5.063	5.562	5.628	5.471	5.126	5.709	5.958	5.663	5.508	5.842	5.904	5.800	5.603	5.211	5.771	5.580	5.436	5.391	5.426	6.290	5.396	5.223
1447569	at	1700081L11Rik	AI462870	Mm.136418	11	6.342	6.133	5.899	6.271	6.408	6.221	6.189	6.274	6.247	6.275	6.146	6.198	6.268	6.286	6.277	6.014	6.369	6.099	6.321	6.148	6.427	6.080	6.260	6.146
1447570	s at	NA	BB119963	NA	NA	8.298	8.332	8.300	8.461	8.359	8.327	8.463	8.548	8.372	8.321	8.318	8.372	8.232	8.322	8.137	8.300	8.506	8.364	8.295	8.418	8.631	8.614	8.451	8.366
1447571	at	EK4	BB121821	Mm.254233	1	8.728	8.693	8.726	8.653	8.653	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657	8.688	8.657
1447572	at	NA	AV206662	NA	NA	5.987	5.939	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918	5.821	5.918
1447573	at	Slc32a1	AI845218	Mm.143404	2	6.280	6.055	6.194	6.239	6.298	6.017	6.259	6.162	6.120	6.103	6.182	6.352	6.394	6.282	6.043	6.205	6.273	6.328	6.266	6.278	6.507	6.416	6.295	6.323
1447574	s at	NA	AI845218	Mm.143404	2	6.259	6.191	6.347	6.281	6.419	6.305	6.310	6.332	6.331	6.144	6.358	6.294	6.249	5.842	6.124	6.264	6.657	6.510	6.411	6.191	6.503	6.431	6.500	6.442
1447575	at	NA	AI605450	NA	NA	4.495	4.179	4.231	4.309	4.490	4.271	4.173	4.183	4.438	4.310	4.281	4.273	4.063	4.244	4.838	4.283	4.489	4.442	4.346	4.355	4.238	4.749	4.784	4.441
1447576	at	2010001K21Rik	BO176688	Mm.390587	13	6.426	5.798	6.315	6.224	6.108	6.445	5.820	6.083	5.584	5.803	5.993	5.653	5.712	5.848	6.211	6.162	7.164	6.943	6.628	6.932	6.665	7.160	7.139	7.255
1447577	x at	Pcca	BB131756	Mm.23876	14	8.108	7.522	8.186	8.006	7.800	8.089	8.338	7.817	7.703	7.741	8.013	7.895	7.744	7.886	7.967	7.990	8.087	8.155	8.105	8.313	8.105	7.899	8.275	8.126
1447578	at	1700084J21Rik	AV206119	NA	15	5.527	5.219	5.934	5.544	5.501	5.546	5.803	5.704	5.047	5.510	5.658	5.174	5.345	5.234	5.450	5.636	5.554	5.563	5.515	5.769	5.530	5.114	5.638	5.902
1447579	at	Nat4ip1	BB365490	Mm.390253	10	4.591	4.530	4.644	4.499	4.407	4.442	4.298	4.485	4.455	4.325	4.336	4.465	4.677	4.637	4.464	4.358	4.557	4.475	4.575	4.475	4.575	4.475	4.575	4.475
1447580	at	NA	AI835197	NA	NA	6.104	5.395	5.977	5.800	5.734	5.725	5.918	5.979	5.913	5.482	5.857	5.601	5.797	5.739	5.865	5.993	5.944	5.915	6.046	6.082	5.880	5.936	5.950	6.082
1447581	at	NA	AI427801	NA	NA	4.854	5.071	4.961	5.272	5.044	4.884	5.237	4.980	4.889	4.993	5.249	5.194	4.941	4.886	4.921	5.331	4.962	4.950	5.729	5.015	5.077	5.009	4.955	
1447582	x at	NA	AV205260	NA	NA	6.552	6.316	6.764	6.324	6.438	6.407	6.660	6.607	6.329	6.356	6.732	6.489	6.544	6.449	6.716	6.761	6.519	6.850	6.647	6.985	6.621	6.615	6.674	6.858
1447583	x at	Gper	BB021215	Mm.389706	5	7.095	6.837	6.937	7.019	6.834	6.855	6.828	7.032	7.011	6.899	6.762	6.932	7.293	6.897	6.949	6.810	6.934	6.818	6.777	7.002	6.940	6.992	7.049	6.912
1447584	s at	Myc21	AI642973	Mm.338242	10	8.710	8.724	9.365	9.158	8.826	9.226	9.526	9.581	9.129	9.759	9.285	9.807	9.713	9.554	9.988	9.245	9.214	9.425	9.395	9.485	9.685	9.823	9.537	9.206
1447585	s at	Slc5a3	AV035110	Mm.217354	16	11.356	11.338	11.368	11.347	11.266	11.468	11.411	11.249	11.079	11.096	11.302	11.558	11.193	11.291	11.168	11.333	11.629	11.878	11.511	11.508	11.500	11.618	11.386	11.439
1447586	at																												

1447634	x	at	Rcbrt2	BB091862	Mm.280068	14	7.312	7.171	7.358	7.299	7.283	7.614	7.440	7.423	7.406	7.417	7.226	7.263	7.358	7.311	7.594	7.367	7.504	7.443	7.348	7.441	7.655	7.366	7.609	7.514
1447635	at		Pkar1a	BB410911	Mm.30039	11	6.491	6.516	6.728	6.510	6.608	6.521	6.461	6.459	6.535	6.677	6.606	6.523	6.596	6.582	6.574	6.516	6.106	6.392	6.494	6.656	6.443	6.204	6.550	6.492
1447636	x	at	Tmco4	BB157255	Mm.122336	4	8.216	8.125	8.112	8.093	8.193	7.885	8.127	8.271	8.225	8.178	8.226	8.320	8.140	7.795	7.926	8.085	8.374	8.077	8.067	8.095	8.245	8.267	8.140	7.713
1447637	at	NA		BB546105	NA	NA	5.263	4.965	5.128	5.028	5.061	5.157	4.885	5.006	4.861	4.888	5.125	5.116	5.030	4.958	5.015	5.135	5.081	5.247	5.261	5.010	4.809	5.519	5.348	5.107
1447638	at	Almid		BB720539	Mm.273958	11	3.834	3.893	3.787	3.726	3.748	3.778	3.839	3.924	3.843	3.818	3.773	3.581	3.811	3.853	3.781	3.747	3.830	3.838	3.864	3.737	3.724	3.841	3.770	3.895
1447639	x	at	NA	BB322496	NA	NA	4.723	4.324	4.72	4.707	4.550	5.061	5.021	4.725	4.416	5.019	4.875	4.950	4.594	5.011	4.772	4.844	4.772	4.869	4.862	4.846	4.881	4.777	4.910	
1447640	s	at	Pbx3	BB554874	Mm.239941	2	8.881	9.053	8.689	8.557	9.126	8.789	8.741	8.880	8.902	9.107	9.024	8.996	8.998	8.683	8.797	8.555	8.870	8.887	8.837	8.727	8.850	8.952	8.552	8.851
1447641	at	Dmwd		AV354897	Mm.2852	7	6.772	6.369	6.604	6.605	6.570	6.408	6.499	6.677	6.685	6.528	6.641	6.307	6.424	6.557	6.638	6.564	6.492	6.581	6.516	6.751	6.473	6.304	6.573	6.483
1447642	x	at	Dmwd	AV354897	Mm.2852	7	6.351	6.106	6.395	6.458	6.387	6.297	6.410	6.351	6.463	6.246	6.337	6.357	6.373	6.415	6.264	6.391	6.356	6.252	6.283	6.196	6.355	6.211	6.356	6.312
1447643	x	at	Snal2	BB040443	Mm.4272	16	8.315	9.400	8.577	8.714	9.047	8.811	8.742	9.537	10.118	10.034	9.177	9.888	10.147	9.776	9.813	8.611	8.972	9.035	9.030	8.803	9.009	9.052	8.957	8.402
1447644	at	NA		BB269821	NA	NA	4.754	4.295	4.560	4.436	4.440	4.567	4.465	4.470	4.394	4.329	4.435	4.390	4.275	4.394	4.380	4.521	4.589	4.583	4.573	4.653	4.437	4.326	4.526	4.587
1447645	x	at	Kcnk13	BB287293	Mm.312335	12	3.684	3.599	3.752	3.711	3.718	3.742	3.686	3.699	3.662	3.747	3.699	3.650	3.731	3.718	3.823	3.714	3.566	3.775	3.766	3.783	3.693	3.605	3.864	3.717
1447646	at	Hear2		BB441215	Mm.5547	5	6.784	6.437	6.763	6.916	6.591	6.669	6.724	6.488	6.429	6.458	6.744	6.357	6.566	6.577	6.550	6.820	6.618	6.555	6.757	6.901	6.681	6.753	6.781	6.720
1447647	at	Wnt1a		BB129109	Mm.56964	6	9.805	9.404	9.743	9.737	9.810	9.748	9.756	9.774	9.742	9.637	9.698	9.647	9.763	9.795	9.852	9.769	9.692	9.881	9.848	9.926	9.862	9.504	9.781	9.938
1447648	at	L700021N20Rik		AV210004	NA	19	4.817	4.888	5.154	5.099	4.815	5.069	4.937	4.957	4.867	4.749	5.072	4.999	5.052	4.694	5.047	4.987	5.146	5.108	5.392	4.900	5.069	4.770	4.977	4.983
1447649	x	at	Dnaic1	AV129500	Mm.246674	2	6.187	6.123	6.019	6.072	6.189	6.353	6.130	5.999	6.313	6.116	6.087	6.299	6.424	6.077	6.208	5.945	6.370	6.082	6.139	5.879	6.076	6.455	5.997	6.034
1447650	at	Nmd3		AV298456	Mm.21062	3	7.093	7.259	7.277	7.243	7.289	7.192	7.194	7.731	7.203	7.062	7.390	7.187	7.235	7.252	7.138	7.363	7.496	7.332	7.343	7.293	7.294	7.352	7.323	7.283
1447651	x	at	Mrlp30	BB293163	Mm.26614	1	5.883	5.831	5.888	6.008	5.585	5.777	6.033	6.291	5.923	5.819	5.975	5.962	5.776	6.039	6.074	5.675	6.094	6.220	6.034	6.110	6.150	6.230	5.972	6.187
1447652	at	EGS45750		AV303602	NA	5	7.666	7.727	7.865	7.845	7.844	7.838	7.665	7.877	7.754	7.644	7.815	7.786	7.717	7.713	7.710	7.953	7.951	7.838	7.896	7.963	7.910	7.798	7.979	7.736
1447653	x	at	Rpl24	AV153119	Mm.107869	16	7.953	7.525	7.815	7.714	7.589	7.648	7.540	7.805	7.824	7.697	7.696	7.538	7.384	7.778	7.718	7.662	7.661	7.971	7.748	7.929	8.153	7.570	7.834	7.729
1447654	at	LOC100042150		BE983573	Mm.38039	18	6.487	6.331	6.335	6.383	6.142	6.056	6.406	6.312	6.346	6.203	6.264	6.158	6.178	6.268	6.109	6.220	6.368	6.295	6.201	6.175	6.356	6.310	6.396	6.413
1447655	x	at	Sox6	BB257953	Mm.323365	7	7.990	7.791	8.291	8.191	7.991	8.220	8.215	7.686	7.353	7.668	7.821	8.048	7.861	7.826	8.024	8.193	8.633	8.583	8.487	8.211	8.130	8.596	8.571	8.391
1447656	at	Dzhc1		BB478152	Mm.339281	10	7.013	6.259	6.925	6.997	6.669	6.597	7.011	6.565	6.244	6.426	6.724	6.508	6.693	6.477	6.737	7.005	6.641	6.651	6.714	7.217	6.799	6.595	6.988	7.112
1447657	s	at	Sympo21	BB322227	Mm.35789	14	12.874	13.401	12.279	12.106	13.280	12.477	12.863	13.953	13.403	13.649	14.057	13.686	13.626	13.633	13.869	12.224	12.057	12.338	12.229	12.235	12.644	12.516	12.102	12.863
1447658	x	at	Sympo21	BB322227	Mm.35789	14	12.643	12.875	12.079	11.937	12.809	12.104	12.565	13.438	12.619	12.913	13.245	13.176	13.024	13.035	13.187	12.099	11.972	12.088	12.048	12.081	12.455	12.311	11.962	12.666
1447659	x	at	Atp6v1h	BB335802	Mm.27082	1	3.759	3.831	3.810	3.736	3.853	3.639	3.905	3.701	3.738	3.847	3.685	3.759	3.741	3.758	3.769	3.718	3.882	3.821	3.823	3.873	3.771	3.788	3.743	3.813
1447660	at	Tb13		BB109423	Mm.100032	17	5.129	5.140	5.236	5.178	5.265	5.277	5.286	5.138	5.246	5.067	5.246	5.212	5.533	5.282	5.502	5.537	5.582	5.508	5.537	5.582	5.508	5.537	5.582	5.508
1447661	x	at	NA	BB377136	NA	NA	4.777	4.964	4.064	4.247	4.003	4.949	4.198	4.172	4.040	4.162	4.249	4.089	4.162	4.249	4.089	4.162	4.249	4.089	4.162	4.249	4.089	4.162	4.249	4.089
1447662	x	at	D18Ertd653e	BB428303	Mm.440183	18	7.991	7.135	7.650	7.524	7.552	7.488	7.601	7.754	7.209	7.076	7.865	7.316	7.541	7.632	7.535	7.579	7.571	7.674	7.642	7.830	7.792	7.549	7.743	7.695
1447663	at	NA		BB044824	NA	NA	6.807	6.445	6.566	6.668	6.567	6.643	6.680	6.528	6.503	6.389	6.611	6.630	6.552	6.619	6.737	6.731	6.585	6.612	6.592	6.587	6.576	6.536	6.664	6.537
1447664	x	at	AA986860	BB007405	Mm.268547	1	6.781	6.531	6.662	6.787	6.525	6.634	6.627	6.663	6.663	6.652	6.624	6.533	6.401	6.714	6.536	6.653	6.707	6.698	6.665	6.726	6.544	6.488	6.686	6.632
1447665	at	Linqo2		BB429846	Mm.132507	4	5.482	5.126	5.227	5.278	5.237	5.563	5.233	5.201	5.289	5.040	5.429	5.133	5.160	5.213	5.267	5.361	5.230	5.259	5.244	5.615	5.289	5.327	5.549	5.371
1447666	x	at	3200002M19Rik	BB300350	Mm.284491	7	7.774	7.424	7.715	7.716	7.546	7.481	7.849	7.588	7.280	7.505	7.529	7.583	7.521	7.567	7.502	7.814	7.594	7.587	7.663	7.688	7.826	7.580	7.650	7.891
1447667	x	at	Map3k4	AV079128	Mm.28587	17	8.672	8.804	8.825	8.955	8.936	8.833	9.023	9.027	8.394	8.522	8.623	8.808	8.552	8.708	8.487	8.763	9.127	9.067	8.830	8.873	8.939	9.073	8.844	9.008
1447668	x	at	Epm2p2	BB092459	Mm.276367	19	9.249	8.926	9.245	9.132	8.983	8.946	9.379	9.233	9.302	9.193	9.516	9.516	9.587	9.676	9.676	9.955	9.955	9.955	9.955	9.955	9.955	9.955	9.955	9.955
1447669	s	at	Gnq4	AV347903	Mm.215394	13	6.020	6.305	5.978	6.243	6.281	6.132	6.286	6.274	6.277	6.047	6.306	6.184	6.183	6.356	6.104	6.022	6.136	6.013	6.271	6.175	6.285	6.168	6.515	6.130
1447670	at	Psmid9		AV503235	Mm.278997	5	4.648	4.727	4.617	4.623	4.522	4.702	4.502	4.803	4.623	4.598	4.604	4.623	4.906	4.857	4.697	4.694	5.047	4.821	4.670	4.681	4.420	4.739	4.788	4.436
1447671	x	at	Fbxo6	BB359704	Mm.27445	4	6.052	5.850	5.800	5.795	5.792	5.740	5.812	5.964	5.893	5.803	5.879	5.913	5.904	5.587	5.729	5.728	6.299	5.897	5.810	5.877	6.060	6.228	5.826	5.777
1447672	x	at	Pskh1	BB102342	Mm.27627	8	9.689	9.221	9.526	9.464	9.798	9.566	9.640	9.483	9.494	9.311	9.386	9.444	9.394	9.405	9.563	9.624	9.673	9.451	9.550	9.649	9.519	9.422	9.528	9.624
1447673	x	at	L700015C15Rik	AV040891	Mm.351959	13	4.761	4.542	4.699	4.583	4.509	4.489	4.578	4.649	4.477	4.471	4.934	4.671	4.407	4.423	4.450	4.553	4.451	4.463	4.512	4.574	4.748	4.889	4.700	4.871
1447674	at	NA		BC075036	NA	NA	6.340																							

1447723	at	NA	BE95100	NA	NA		4.394	4.142	4.059	4.171	4.069	4.257	4.191	4.119	4.151	4.242	4.050	4.086	4.161	4.063	4.150	4.111	3.984	4.218	4.179	4.185	4.199	4.068	4.324	4.237	
1447724	x	at	Opa3	BB324282	Mm.239585	7	10.249	10.317	9.910	10.124	10.128	9.981	10.231	10.480	9.973	9.994	10.110	10.179	9.783	9.970	9.737	9.965	10.677	10.656	10.242	10.210	10.567	10.526	10.078	10.000	
1447725	at	C030034E14Rik	BE948505	Mm.256423	X		6.629	6.116	6.821	6.514	6.081	6.721	6.541	6.101	5.901	6.071	6.249	6.227	6.154	6.137	6.276	6.166	6.099	6.680	6.593	6.857	6.405	6.395	6.821	6.310	
1447726	at	Ripnlv2	BB354769	Mm.92244		9	3.860	3.702	3.586	3.572	3.604	3.686	3.646	3.690	3.522	3.605	3.770	3.577	3.610	3.599	3.771	3.694	3.655	3.734	3.653	3.730	3.641	3.356	3.714	3.563	
1447727	at	Apr3	BB216158	Mm.249433		4	5.325	4.992	4.836	5.007	4.951	4.945	5.090	4.981	4.988	4.959	4.956	4.984	4.953	4.941	4.841	4.968	5.093	4.943	4.776	5.160	5.042	5.108	4.966	5.139	
1447728	at	Hspa9	BB178260	Mm.209419		18	12.268	11.870	12.158	12.231	11.963	12.102	12.220	12.024	11.781	11.793	12.047	11.729	11.486	12.099	11.846	12.352	12.230	12.129	12.115	12.255	12.301	12.235	12.340	12.186	
1447729	s	at	1700036D21Rik	AV1713195	Mm.200587	9	6.490	6.290	6.372	6.016	6.285	6.116	6.226	6.254	6.229	6.006	6.179	6.179	6.159	6.180	6.200	6.079	6.201	6.066	6.295	6.231	6.395	6.449	6.248	6.335	
1447730	at	NA	BB140656	NA	NA		5.219	5.191	5.123	5.341	5.282	5.178	5.228	5.210	5.219	5.299	5.187	5.219	5.369	5.142	5.101	5.158	5.300	5.163	5.202	5.336	5.337	5.180	5.180	5.212	
1447731	at	Pea3	BB305002	Mm.389800		7	5.075	4.530	5.219	4.682	4.619	4.983	5.210	4.659	4.638	4.727	4.870	4.869	4.766	4.605	4.938	5.082	4.593	5.032	5.044	5.571	5.092	4.771	4.791	5.245	
1447732	x	at	Pea3	BB305002	Mm.389800	7	4.692	4.155	4.987	4.621	4.641	5.175	4.899	4.712	4.457	4.526	4.667	4.546	4.659	4.640	4.688	4.776	4.663	4.783	4.670	5.065	4.604	4.487	4.885	4.898	
1447733	x	at	Tatdn3	BB325788	Mm.237188	1	3.520	3.646	3.663	3.661	3.634	3.707	3.595	3.607	3.652	3.643	3.571	3.743	3.629	3.563	3.627	3.617	3.863	3.609	3.645	3.643	3.683	3.715	4.411	3.610	
1447734	x	at	Alkdo	BB373186	Mm.275381	7	12.305	12.016	12.141	12.042	11.978	11.980	12.082	12.054	12.014	12.044	12.015	11.990	11.846	11.932	12.007	12.026	11.870	11.945	11.987	11.909	11.943	11.915	12.066	12.110	
1447735	x	at	A2bp1	BB360470	Mm.370334	16	7.458	7.098	7.460	7.260	7.379	7.314	7.274	7.248	7.172	7.238	6.921	7.067	7.114	7.186	7.404	7.406	7.103	7.376	7.521	7.216	7.325	7.543	7.522		
1447736	at	Knbp5	BB032422	Mm.276405		17	4.142	4.111	4.187	4.105	3.945	3.994	4.076	4.180	4.103	3.985	4.097	4.071	4.011	4.172	3.973	4.088	4.059	4.073	4.198	4.131	4.266	4.129	4.145	4.107	
1447737	at	Prkra	AV120107	Mm.277250		2	5.671	5.118	5.676	5.200	5.325	5.774	5.583	5.098	5.135	5.075	5.484	4.927	4.969	5.158	5.647	5.597	5.452	5.743	5.746	5.812	5.658	5.214	5.638	5.558	
1447738	s	at	Ankrd13d	AI430801	Mm.23642	19	7.263	7.304	7.168	7.172	7.331	7.075	7.092	7.384	7.392	7.019	7.348	7.217	7.384	7.230	6.915	6.864	7.049	7.049	7.133	7.117	7.349	7.387	7.181	7.043	
1447739	x	at	Klhdcd4	AV294746	Mm.209329	8	8.138	8.058	8.065	8.192	8.067	8.080	8.169	8.076	8.058	7.856	8.123	8.083	7.943	7.840	8.035	8.079	8.213	8.182	8.097	8.209	7.989	8.138	8.024	8.145	
1447740	at	1700034J05Rik	AV931931	Mm.391543		6	5.249	5.067	5.268	5.258	4.847	5.264	5.247	5.020	4.623	4.666	5.254	4.897	4.788	4.656	5.083	5.237	5.191	5.243	5.067	5.750	5.165	5.011	5.089	5.228	
1447741	x	at	Acaad10	BB216520	Mm.45423	5	9.192	8.603	8.872	8.996	8.696	8.861	8.995	8.934	8.758	8.389	8.867	8.828	8.874	8.867	8.937	9.066	8.982	8.722	8.899	9.043	8.834	8.715	8.929	9.091	
1447742	at	Lapim5	BB216290	Mm.271868		4	8.238	7.966	8.281	8.186	8.112	8.273	8.407	8.063	7.897	8.181	8.151	7.889	8.112	8.086	8.378	8.298	8.158	8.262	8.311	8.316	8.201	8.034	8.294	8.452	
1447743	x	at	Ext2	BB486088	Mm.4336	2	9.242	8.550	9.121	9.251	8.953	9.044	9.202	9.407	8.537	8.218	8.868	8.774	8.670	8.785	8.967	9.133	9.421	9.128	9.196	9.132	9.328	9.239	9.499	9.258	
1447744	s	at	1700110K17Rik	AV040700	Mm.398307	9	5.686	5.798	5.775	5.837	5.647	5.735	5.736	5.772	5.665	5.518	5.757	5.779	5.729	5.621	5.747	5.691	5.765	5.912	5.810	5.755	5.833	5.803	5.666	5.854	
1447745	at	Aaqa	AW489155	Mm.250786		18	7.582	7.303	7.631	7.635	7.492	7.499	7.661	7.432	7.458	7.173	7.590	7.383	7.415	7.487	7.558	7.707	7.411	7.445	7.562	7.596	7.615	7.642	7.649	7.550	
1447746	at	Lrch1	BB609751	Mm.288868		14	4.405	4.496	4.423	4.522	4.485	4.420	4.388	4.568	4.542	4.450	4.529	4.448	4.324	4.434	4.519	4.495	4.590	4.429	4.493	4.551	4.506	4.605	4.499	4.414	
1447747	x	at	Adal	BB479619	Mm.384805	2	7.488	7.371	7.383	7.334	7.128	7.248	7.655	7.186	6.948	7.017	7.257	7.196	7.038	7.086	7.343	7.489	7.398	7.346	7.409	7.398	7.346	7.305	7.391	7.398	7.643
1447748	x	at	Slc29a2	BB244838	Mm.4930	19	7.140	7.247	7.016	7.248	7.212	7.053	7.330	7.192	7.113	6.982	7.164	7.398	6.879	7.278	6.907	7.144	7.890	7.720	7.532	7.222	7.162	7.496	7.202	7.043	
1447749	at	Apr3	BB216158	Mm.249433		6	5.325	4.992	4.836	5.007	4.951	4.945	5.090	4.981	4.988	4.959	4.956	4.984	4.953	4.941	4.841	4.968	5.093	4.943	4.776	5.160	5.042	5.108	4.966	5.139	
1447750	at	Phl1d1	AV141866	Mm.181689		9	8.248	7.256	9.439	8.448	8.922	9.044	9.242	9.327	9.041	9.242	9.327	9.318	9.331	9.301	9.344	9.013	9.278	9.148	9.333	9.202	9.194	9.302	9.194	9.590	
1447751	x	at	Dus2l	BB218727	Mm.287500	8	7.748	7.823	7.621	8.150	7.657	7.599	7.750	7.772	8.082	7.843	7.822	7.796	7.936	7.900	7.642	7.935	7.823	7.664	7.731	7.747	7.960	7.687	7.806	7.533	
1447752	x	at	Dra1	AV127994	Mm.3250	11	8.301	8.125	8.248	7.970	7.887	7.975	8.131	8.059	8.063	8.052	7.887	8.153	7.725	8.186	8.022	8.167	8.099	7.903	8.085	7.813	7.989	8.110	7.937	8.202	
1447753	at	NA	BB391093	NA	NA		7.432	6.671	7.276	7.066	6.724	7.087	7.158	7.007	6.622	6.834	7.079	6.914	6.686	6.806	6.919	7.284	7.122	7.077	7.178	7.146	7.055	7.147	7.363	7.479	
1447754	x	at	Thap4	BB130418	Mm.272356	1	9.033	9.279	8.870	9.178	9.143	8.895	8.883	9.712	9.167	9.015	8.625	9.910	9.173	8.867	8.923	8.777	10.087	9.626	9.013	9.000	9.755	10.119	9.147	9.107	
1447755	at	NA	BE956616	NA	NA		4.733	4.602	4.759	4.763	4.745	4.556	4.499	4.735	4.658	4.775	4.868	4.883	4.749	4.712	4.708	4.543	4.920	4.782	4.737	4.662	4.896	4.751	4.560	4.825	
1447756	x	at	Mcm6	AV308361	Mm.4933	1	4.344	4.275	4.194	4.221	4.299	4.472	4.345	4.400	4.456	4.165	4.534	4.243	4.376	4.326	4.450	4.119	4.301	4.150	4.312	4.372	4.284	4.052	4.144	4.275	
1447757	x	at	1700007A13Rik	BB216290	Mm.271868	7	8.238	7.966	8.281	8.186	8.112	8.273	8.407	8.063	7.897	8.181	8.151	7.889	8.112	8.086	8.378	8.298	8.158	8.262	8.311	8.316	8.201	8.034	8.294	8.452	
1447758	x	at	Mysr4	BB420030	Mm.248967	14	4.398	4.410	4.308	4.463	4.422	4.548	4.347	4.425	4.309	4.453	4.377	4.412	4.493	4.371	4.435	4.383	4.398	4.433	4.295	4.482	4.393	4.409	4.301	4.458	
1447759	x	at	Ccdc22	BB345575	Mm.288192	X	9.409	8.748	9.217	9.184	8.998	9.093	9.264	9.061	8.898	9.037	9.121	9.021	8.977	9.093	9.227	9.150	9.023	9.135	9.098	9.293	9.213	8.945	9.404	9.276	9.549
1447760	x	at	Ehf	BB307780	Mm.10724	2	8.160	7.445	8.003	7.946	7.870	8.020	8.165	7.790	7.626	7.558	7.996	7.723	7.697	7.794	7.736	7.939	8.024	7.961	8.134	8.365	8.087	7.874	8.063	8.350	
1447761	x	at	Sod1	AV261043	Mm.276325	16	4.503	4.042	4.763	4.618	4.407	4.560	4.482	4.288	4.225	4.090	4.359	4.296	4.362	4.311	4.518	4.426	4.329	4.769	4.715	4.976	4.690	4.443	4.688	4.687	
1447762	x	at	Car12	BB503164	Mm.277921	9	6.015	5.571	6.282	5.919	5.786	6.207	6.449	5.638	5.822	5.980	6.374	5.812	5.661	5.902	6.137	6.523	6.058	6.381	6.300	6.977	6.051	5.666	6.037	6.216	
1447763																															

1447812	x	at	Finc	AV014577	Mm.39046	6	12.805	13.329	12.492	12.309	12.872	12.541	12.952	13.150	13.185	13.063	14.374	12.856	12.921	13.610	13.211	12.460	11.958	12.608	12.673	12.293	12.101	12.155	12.399	12.837
1447813	x	at	Sla	AV247013	Mm.7601	15	5.547	6.038	5.283	5.128	5.564	5.487	5.353	5.507	6.044	5.761	5.263	5.577	5.235	5.830	5.245	4.975	4.854	4.738	4.619	4.940	4.938	5.132	5.277	5.158
1447814	x	at	Il16	BB480773	Mm.10137	7	5.305	5.324	5.201	5.441	5.306	5.334	5.468	5.651	5.422	5.183	5.244	5.114	5.522	5.263	5.099	5.168	5.445	5.413	5.256	5.384	5.360	5.433	5.314	5.164
1447815	x	at	6430527G18Rik	BB057169	Mm.248358	12	4.041	4.010	4.087	4.152	4.088	4.138	4.157	4.041	4.196	4.100	4.200	3.976	4.111	4.291	4.019	4.100	3.938	3.864	3.902	4.088	4.005	4.120	4.240	4.198
1447816	x	at	Hnbl1	BB056295	Mm.202237	14	11.521	11.188	11.404	11.392	11.247	11.248	11.559	11.493	11.045	11.230	11.214	11.283	11.121	11.138	11.360	11.358	11.461	11.458	11.301	11.435	11.501	11.533	11.326	11.495
1447817	at		Hil1a0	BB014787	Mm.145278	19	4.560	4.412	4.726	4.634	4.634	4.726	4.782	4.421	4.821	5.001	4.870	4.757	4.702	4.763	4.890	4.679	4.742	4.692	4.674	4.482	4.482	4.482	4.482	4.482
1447818	x	at	Hnbl1	AV271781	Mm.259708	15	7.680	7.415	7.570	7.694	7.785	7.743	7.780	7.874	7.794	7.663	7.663	7.848	7.955	7.900	7.887	7.567	7.904	8.029	8.056	8.156	7.963	7.969	7.957	7.716
1447819	x	at	Col8a1	BB546487	Mm.130388	16	11.182	12.579	10.801	10.915	12.864	11.047	10.997	12.239	13.260	13.022	12.322	13.138	13.270	12.441	12.527	10.897	10.235	10.656	10.920	10.486	10.444	10.296	10.385	10.280
1447820	x	at	Cpt2	AV236319	Mm.307620	4	7.167	6.394	7.139	7.217	6.720	7.052	7.062	6.986	6.094	6.511	6.642	6.839	6.348	6.392	6.938	7.062	7.292	7.295	6.950	7.224	7.165	7.467	7.137	7.603
1447821	at		170005K122Rik	AV207406	NA	5	7.600	7.578	7.466	7.465	7.425	7.245	7.391	7.602	7.463	7.308	7.392	7.346	7.451	7.226	7.266	7.350	7.316	7.232	7.153	7.261	7.311	7.318	7.387	7.347
1447822	x	at	Ufso1	BB228898	Mm.124666	5	8.536	8.139	8.595	8.412	8.180	8.535	8.581	8.513	7.588	7.877	8.306	8.240	7.925	8.059	8.347	8.654	8.756	8.766	8.610	8.697	8.590	8.565	8.415	8.477
1447823	x	at	Mapk18	BB347445	Mm.38343	15	8.921	8.426	8.772	8.838	8.666	8.790	9.019	8.970	8.412	8.539	8.668	8.816	8.645	8.519	8.768	8.946	9.054	9.104	8.831	8.969	9.013	9.008	8.927	9.036
1447824	x	at	Hspa5	BE825102	Mm.330160	2	11.372	11.057	11.145	11.151	11.130	10.875	11.151	11.153	11.349	11.030	11.190	10.983	11.152	11.237	11.099	11.350	11.091	10.963	11.175	11.166	11.133	10.797	11.087	10.959
1447825	x	at	Pcdh18	BB076893	Mm.390715	14	4.475	4.281	4.600	4.763	4.442	4.463	4.554	4.443	4.316	4.324	4.675	4.388	4.569	4.622	4.519	4.457	4.378	4.493	4.533	4.477	4.207	4.382	4.531	4.406
1447826	x	at	A930037G23Rik	BB442124	Mm.129415	6	7.619	7.612	7.553	7.518	7.735	7.711	7.729	7.642	7.784	7.549	7.626	7.692	7.753	7.688	7.643	7.572	7.780	7.519	7.652	7.713	7.611	7.548	7.529	7.421
1447827	x	at	Spoo	AV353779	Mm.285454	11	10.249	10.479	10.128	10.324	10.191	10.397	10.196	10.045	10.158	10.251	9.934	10.074	10.075	10.223	10.195	10.329	10.339	10.334	10.409	10.364	10.247	10.294	10.320	10.483
1447828	x	at	Eepd1	BB226589	Mm.112977	9	6.801	6.218	6.765	6.680	6.319	6.414	6.766	6.387	6.319	6.474	6.615	6.467	6.240	6.317	6.279	6.379	6.555	6.589	6.775	6.546	6.629	6.603	6.544	6.739
1447829	x	at	Taf9b	BB431174	Mm.19440	X	3.925	3.784	4.051	3.900	3.945	4.014	3.918	3.853	3.953	4.037	4.030	3.782	3.991	3.837	4.047	3.946	3.890	4.032	4.095	3.992	3.950	4.062	4.136	4.142
1447830	x	at	Rrs2	BB034265	Mm.28262	1	10.249	9.584	10.375	10.259	9.967	10.452	10.095	9.165	9.116	9.483	8.723	9.378	9.222	9.497	9.683	10.228	10.515	10.682	10.933	10.514	9.517	10.138	10.814	11.919
1447831	s	at	Mtmr7	BB431693	Mm.294871	8	4.313	4.541	4.419	4.424	4.308	4.428	4.489	4.239	4.185	4.268	4.654	4.568	4.410	4.517	4.251	4.408	4.623	4.603	4.467	4.466	4.365	4.349	4.310	4.272
1447832	x	at	Ankrd10	BB068291	Mm.12459	8	4.098	4.195	4.008	3.937	4.179	4.070	3.992	4.037	4.151	4.135	4.118	4.115	4.203	4.155	4.105	4.159	4.076	4.081	4.062	4.067	4.057	4.134	4.019	4.068
1447833	x	at	Mfa2	AV147182	Mm.7386	4	9.489	9.144	9.349	9.416	9.527	9.388	9.407	9.346	9.486	9.247	9.452	9.484	9.559	9.329	9.445	9.342	9.360	9.381	9.383	9.551	9.432	9.115	9.475	9.359
1447834	at		NA	AV327327	NA	NA	7.877	7.790	7.768	7.917	7.795	7.752	7.873	7.817	7.850	7.793	7.986	7.749	7.877	7.968	7.837	7.790	7.952	7.814	8.044	7.926	7.792	7.715	7.919	7.689
1447835	at		NA	BB243237	NA	NA	4.883	4.769	4.711	4.935	4.442	4.974	4.774	4.861	4.911	4.873	4.723	4.943	4.695	4.753	4.678	5.067	5.011	4.923	4.874	4.952	4.998	4.784	4.892	4.927
1447836	x	at	4921525O09Rik	AV312506	Mm.84860	13	7.883	7.469	7.796	7.700	7.968	7.693	7.661	7.803	8.203	7.883	7.880	7.675	7.692	7.965	7.803	7.759	7.935	7.949	7.792	7.971	7.780	7.890	7.857	7.542
1447837	x	at	Polh	BB060690	Mm.311585	17	7.651	7.862	7.538	7.604	7.287	7.480	7.708	7.752	7.899	7.795	8.153	7.544	7.593	7.931	7.425	7.464	7.743	7.583	7.505	7.606	7.600	7.574	7.465	
1447838	x	at	Emi4	Mm.351912	Mm.145565	17	5.123	5.116	5.116	5.105	4.956	5.056	5.056	4.925	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985	4.985
1447839	x	at	Adim	AV279643	Mm.145566	2	7.282	7.972	7.412	7.125	6.820	7.158	6.961	7.142	7.052	6.929	6.826	6.999	6.742	6.815	6.954	6.890	6.843	6.894	6.843	6.894	6.843	6.894	6.843	6.894
1447840	x	at	E211	BB289904	Mm.18036	2	6.356	6.164	6.055	6.163	6.473	6.219	6.480	6.549	6.190	6.194	6.364	6.336	6.570	6.430	6.259	6.432	6.387	6.325	6.148	6.541	6.451	6.305	6.200	6.186
1447841	x	at	St3qa06	BB532866	Mm.212742	16	9.422	9.245	9.519	9.481	9.406	9.401	9.589	9.553	9.201	9.107	9.329	9.151	9.178	9.117	9.217	9.459	9.545	9.556	9.444	9.540	9.480	9.626	9.540	9.407
1447842	x	at	NA	AV143687	NA	NA	10.187	10.066	10.115	10.130	10.116	10.010	9.994	10.252	10.377	10.120	9.896	10.237	10.328	9.960	10.105	10.050	10.395	10.158	10.028	9.901	10.372	10.370	10.013	9.981
1447843	at		Psmid13	BB297060	Mm.29760	7	7.039	7.268	6.890	6.962	7.211	6.777	6.925	7.011	7.760	7.344	7.781	7.222	7.563	7.816	7.151	6.898	6.960	6.624	6.904	6.961	7.084	6.841	6.788	6.728
1447844	x	at	NA	AV077281	NA	NA	4.305	4.084	4.181	4.149	4.373	4.030	4.072	4.321	4.496	4.208	4.319	4.457	4.382	4.417	4.161	4.034	4.380	4.328	3.971	4.013	4.032	4.444	3.915	3.852
1447845	s	at	Vnn1	AV360029	Mm.27154	10	4.978	4.973	5.470	5.387	5.233	5.299	5.134	5.267	4.973	5.137	5.289	4.929	5.092	5.246	5.114	5.504	5.630	5.340	5.263	5.351	5.139	4.907	4.972	5.171
1447846	x	at	Gltcr7	BB030680	Mm.267692	7	7.532	7.909	7.732	7.514	7.940	7.698	7.849	7.289	7.917	7.298	7.869	7.733	7.824	7.825	7.053	7.873	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893
1447847	x	at	Stom13	BB172310	Mm.222810	3	4.362	4.132	4.289	3.956	4.189	4.226	4.025	3.922	4.098	3.991	4.207	3.979	4.022	3.972	4.075	4.067	4.009	4.152	4.345	4.138	4.185	4.079	4.296	4.108
1447848	at		Eps151	BB342099	Mm.288894	8	5.187	4.712	5.048	4.838	4.990	5.033	5.239	4.858	5.015	4.989	5.353	5.108	5.082	4.998	5.145	5.116	5.246	4.939	5.522	5.082	4.833	5.187	5.263	
1447849	s	at	Maf	AV323441	Mm.275549	8	7.026	8.218	7.033	7.524	7.691	7.655	7.480	7.246	9.180	8.932	6.893	7.932	8.058	8.307	7.457	6.724	7.211	7.239	7.384	7.239	7.109	7.664	6.830	6.851
1447850	x	at	Zlfand3	BB076798	Mm.220972	17	4.103	4.069	4.134	4.221	4.247	4.123	4.214	4.185	4.157	4.276	4.159	4.303	4.226	4.082	4.170	4.181	4.235	4.392	4.199	4.247	4.237	4.375	4.402	4.256
1447851	x	at	Ata10a	BB487289	Mm.135129	7	6.181	6.737	5.924	6.059	6.263	6.069	5.752	6.270	6.680	6.774	6.315	6.518	6.655	6.575	6.098	5.541	5.662	5.972	5.999	5.664				

1447901	x	at	Sfi1	BB169770	Mm.320785	11	7.494	8.125	7.837	7.719	8.334	7.651	7.585	7.663	7.936	7.833	7.661	7.803	8.153	7.712	7.447	7.825	7.498	7.623	7.630	7.581	7.966	7.465	7.523		
1447902	at	Ap12	AW050195	AV050195	Mm.459860	17	7.504	7.298	7.191	7.223	7.069	7.060	7.200	7.388	7.206	7.123	7.159	7.054	7.216	7.236	7.219	7.072	7.439	7.145	7.167	7.214	7.406	7.255	7.258	7.376	
1447903	x	at	Ap1s2	BB185861	Mm.426783	X	11.230	11.425	11.109	11.229	11.724	11.450	11.622	11.174	11.682	11.232	11.549	11.617	11.689	11.588	10.933	11.009	10.808	11.241	10.555	10.994	11.327	10.900	11.057		
1447904	x	at	Fnta	AV313761	Mm.3496	8	12.547	12.588	12.633	12.799	12.801	12.796	12.678	12.615	12.571	12.577	12.561	12.631	12.650	12.524	12.645	12.549	12.658	12.875	12.833	12.824	12.849	12.727	12.872	12.811	12.727
1447905	x	at	B6p2	BB139172	Mm.2565	7	11.317	11.710	11.340	11.259	11.235	11.180	11.336	11.460	11.511	11.409	11.615	11.313	11.373	11.678	11.232	11.307	11.400	11.371	11.287	11.217	11.406	11.326	11.349	11.187	
1447906	at	NA	BB435985	NA	NA	4	4.165	3.939	4.240	4.060	3.844	4.273	4.107	3.992	3.977	3.758	3.973	4.043	3.792	3.921	4.139	4.061	4.004	4.272	4.083	4.257	4.150	4.109	4.065	4.258	
1447907	x	at	NA	BB247294	NA	NA	7.129	7.053	7.175	7.191	7.290	7.241	7.267	7.172	7.206	7.110	7.279	7.178	7.166	7.365	7.340	7.291	7.383	7.369	7.328	7.463	7.329	7.009	7.288	7.379	
1447908	x	at	Ttc3	BB426368	Mm.213408	16	11.684	11.271	11.766	11.536	11.465	11.704	11.747	11.638	11.387	11.459	11.526	11.360	11.469	11.577	11.578	11.708	11.462	11.482	11.649	11.723	11.627	11.411	11.734	11.707	
1447909	s	at	Selk	AW122690	Mm.104491	14	9.391	9.799	9.179	9.303	9.406	9.180	9.094	9.396	9.686	9.539	9.289	9.479	9.441	9.277	9.206	9.101	9.901	9.613	9.349	9.227	9.811	9.796	9.881	9.062	
1447910	x	at	LOC100044404	AW122690	NA	5	9.573	9.605	9.465	9.562	9.561	9.557	9.469	9.495	9.775	9.713	9.447	9.600	9.798	9.633	9.537	9.559	9.383	9.513	9.583	9.499	9.432	9.272	9.396	9.520	
1447911	at	NA	BOG66756	NA	NA	5	5.207	5.192	5.303	5.366	5.507	5.282	5.340	5.216	5.172	5.121	5.181	5.147	5.135	5.105	4.832	5.197	4.740	5.175	4.724	4.852	5.120	5.167	5.125	4.798	
1447912	x	at	Akap9	BB374633	Mm.46044	5	8.297	8.140	8.709	8.528	8.146	8.258	8.611	8.199	7.952	8.006	7.931	8.131	7.917	7.881	8.077	8.647	8.557	8.397	8.335	8.327	8.230	8.270	8.440	8.299	
1447913	x	at	Akap9	BB109183	Mm.46044	5	4.483	4.652	4.602	4.601	4.689	4.508	4.553	4.966	4.575	4.490	4.450	5.006	4.822	4.284	4.531	4.602	4.727	5.052	4.574	4.602	4.419	5.223	4.616	4.485	
1447914	x	at	NA	AV249015	Mm.24138	2	4.017	4.391	3.949	4.305	4.122	4.151	4.165	4.172	4.417	4.214	4.449	4.439	4.224	4.123	4.361	4.087	4.068	4.199	4.155	4.033	4.167	4.171	3.890	3.931	
1447915	x	at	Tmem204	AV366661	Mm.34379	17	7.213	7.499	7.381	7.567	7.467	7.416	7.486	7.676	7.424	7.555	7.047	8.002	7.828	7.141	7.497	7.413	7.685	7.574	7.340	7.452	7.906	7.912	7.644	7.626	
1447916	at	NA	BE983896	NA	NA	5	5.120	4.587	5.058	4.851	4.769	4.762	4.843	4.934	4.589	4.693	4.949	4.889	4.919	4.844	4.871	5.017	5.038	5.042	4.878	5.352	4.775	5.003	4.968	4.961	
1447917	x	at	NA	BB303908	Mm.380410	16	10.343	10.548	10.366	10.350	10.646	10.543	10.424	10.662	10.716	10.746	10.509	10.885	10.856	10.574	10.737	10.328	10.534	10.467	10.450	10.341	10.508	10.579	10.335	10.219	
1447918	x	at	lql-v1	AV376345	Mm.326349	16	6.286	6.165	6.300	6.281	6.233	6.280	6.391	6.384	6.267	6.037	6.206	6.184	6.228	6.391	6.250	6.319	6.416	6.372	6.424	6.636	6.638	6.488	6.472	6.417	
1447919	x	at	Ndufa1b	AV092283	Mm.3014	7	14.017	13.636	13.814	13.877	13.679	13.800	13.882	13.979	13.339	13.390	13.629	13.612	13.412	13.370	13.484	13.846	14.069	13.904	13.834	13.829	14.045	14.154	13.904	13.886	
1447920	at	NA	Atxnm1	BB420276	Mm.248906	15	4.315	4.224	4.213	4.093	4.381	4.383	4.190	4.065	4.098	4.210	4.275	4.101	4.089	4.204	4.161	4.267	4.307	4.203	4.139	4.163	4.216	4.200	4.419	4.276	
1447921	at	NA	BE956463	NA	NA	7	7.631	7.252	7.477	7.658	7.402	7.605	7.708	7.706	7.358	7.259	7.487	7.305	7.373	7.409	7.355	7.561	7.458	7.273	7.518	7.500	7.617	7.602	7.662	7.649	
1447922	at	Stxbp5f	BB362499	Mm.80170	16	5.682	5.628	5.628	5.678	5.577	5.649	5.604	5.510	5.621	5.405	5.560	5.613	5.834	5.636	5.595	5.534	5.716	5.671	5.547	5.594	5.626	5.689	5.572	5.635		
1447923	at	1810026B05Rik	BB327381	Mm.34539	7	9.387	9.182	9.297	8.937	9.214	9.094	9.275	9.498	9.946	9.666	8.932	9.711	9.425	8.798	9.308	9.213	9.344	9.331	9.128	8.918	9.335	9.427	9.168	9.230		
1447924	at	Nucks1	AW048468	Mm.392848	1	7.511	7.630	7.248	7.177	7.182	7.271	7.379	7.042	7.520	7.238	7.718	6.976	7.320	7.526	7.241	7.361	6.752	7.196	7.512	7.429	7.196	7.220	7.133	7.496		
1447925	at	D630033A02Rik	BE456338	Mm.132885	10	4.596	4.413	4.441	4.343	4.490	4.578	4.528	4.472	4.410	4.375	4.404	4.622	4.447	4.427	4.490	4.574	4.545	4.512	4.367	4.455	4.452	4.605	4.237	4.429		
1447926	at	Ar15a	BB811124	Mm.314378	2	7.236	7.580	7.173	7.223	7.303	7.232	7.531	7.165	7.591	7.614	7.474	7.257	7.252	7.538	7.251	7.106	7.270	7.030	7.288	7.259	6.990	7.112	7.108	7.256		
1447927	at	Mpa2f	BB096251	Mm.375989	5	11.327	10.965	11.700	10.165	9.660	9.860	9.979	9.210	11.326	9.935	9.734	10.140	9.825	9.328	9.253	9.168	9.490	11.068	10.928	10.400	10.680	10.400	10.480	10.480		
1447928	at	CA5b	BE132973	Mm.180953	X	2	6.036	5.507	5.057	5.280	7.474	5.200	5.088	5.038	5.591	5.477	5.291	4.930	5.077	5.089	5.309	5.194	5.131	5.115	5.033	5.254	5.527	5.257	5.176		
1447929	at	Ssh3	AW060821	Mm.248338	9	6.610	6.588	6.453	6.307	6.454	6.468	6.361	6.388	6.668	6.505	6.358	6.338	6.376	6.340	6.405	6.288	6.647	6.437	6.579	6.342	6.688	6.671	6.500	6.255		
1447930	at	Baz1a	AV357135	Mm.89568	12	8.206	8.720	7.744	7.957	8.060	7.454	7.696	8.383	8.484	8.244	8.622	8.196	8.466	8.143	7.912	7.803	7.964	7.524	7.657	7.306	7.807	8.101	7.692	7.899		
1447931	at	Whsc11	BE635000	Mm.217337	8	8.529	8.854	8.695	8.543	8.702	8.768	8.683	8.532	8.837	8.926	8.554	8.811	8.794	9.121	8.872	8.654	8.478	8.362	8.665	8.604	8.486	8.590	8.663	8.789		
1447932	at	Zfp830	BB212424	Mm.29622	11	4.101	3.731	3.933	3.985	3.966	3.891	3.944	3.900	3.942	3.904	3.946	3.951	3.959	3.935	3.945	3.926	3.991	4.190	3.958	3.936	3.999	3.969	3.960	3.799		
1447933	at	Klf26a	A1413918	Mm.313104	12	8.395	8.280	8.467	8.567	8.528	8.252	8.374	8.820	8.147	8.822	8.449	8.575	8.539	8.363	8.555	8.405	8.903	8.757	8.411	8.439	8.663	9.043	8.540	8.296		
1447934	at	BE930032F0Rik	BB128741	Mm.101836	6	8.839	8.591	8.771	8.667	8.693	8.544	8.721	8.455	8.021	8.294	8.153	8.417	8.156	8.255	8.246	8.769	8.595	8.543	8.381	8.231	8.505	8.619	8.408	8.588		
1447935	at	NA	BB491281	Mm.345516	12	5.957	6.294	6.612	6.884	6.392	6.385	6.536	6.557	6.495	6.543	6.751	6.351	6.380	6.392	6.784	6.468	6.687	6.502	6.590	6.524	6.508	6.549	6.508	6.586		
1447936	at	2410006H16Rik	AA939619	Mm.270874	11	8.440	9.036	8.323	8.630	9.407	8.541	8.250	9.130	10.159	9.763	9.240	10.129	10.253	9.027	9.377	8.057	9.012	8.531	8.350	8.207	8.811	9.289	8.174	8.150		
1447937	x	at	100039909	BB379724	NA	4	6.884	6.715	6.960	7.143	6.803	7.002	7.107	7.137	6.860	6.902	6.835	6.956	6.804	7.172	6.952	6.820	6.791	6.808	6.908	7.068	6.869	6.919			
1447938	at	100042524	BB379724	NA	4	8.652	8.283	8.602	8.624	8.347	8.495	8.649	8.525	8.387	8.430	8.591	8.334	8.539	8.373	8.564	8.618	8.420	8.386	8.569	8.544	8.561	8.443	8.558	8.598		
1447939	x	at	100039909	AV279792	NA	4	7.883	7.461	7.948	7.723	7.561	7.941	7.991	7.794	7.595	7.396	7.796	7.601	7.794	7.672	7.664	7.901	7.936	7.720	7.461	7.858	7.678	7.603	7.646	8.043	
1447940	x	at	Braf	BB327307	Mm.245516	6	7.277	7.037	7.441	7.411	7.380	7.386	7.683	7.011	7.174	7.246	7.362	7.118	7.204	7.222	7.332	7.368	7.124	7.262	7.329	6.910	7.163	7.119	7.528	7.588	
1447941	x	at	NA	BB327																											

1447990	at	C76332	B0605651	Mm.351861	11	4.070	3.842	3.902	3.937	3.868	3.950	4.033	3.933	3.877	3.844	3.923	3.869	3.972	3.916	3.991	4.143	3.839	3.987	3.837					
1447991	at	Pcsk2	A1839700	Mm.294493	2	4.273	4.099	4.221	4.060	4.272	4.046	4.092	4.298	4.197	4.042	4.326	4.490	4.228	4.235	4.226	4.075	4.174	4.285	4.359	4.018	4.061	4.145	4.196	
1447992	s at	Pcsk2	A1839700	Mm.294493	2	4.091	3.859	4.328	4.252	4.338	4.375	4.183	4.005	4.181	4.362	4.216	4.201	4.205	4.164	4.174	4.112	4.021	4.152	4.332	4.505	4.067	3.806	4.134	3.972
1447993	a at	Snhq10	AV043099	Mm.380736	12	8.073	8.198	8.229	8.063	8.319	8.235	8.051	8.097	8.432	8.327	8.042	8.425	8.229	8.233	8.403	8.212	8.354	8.447	8.240	8.358	7.913	7.966	8.147	7.873
1447994	at	Snhq10	AV043099	Mm.380736	12	8.241	7.957	8.113	7.954	7.937	7.941	8.015	8.092	7.920	7.932	7.940	7.980	7.984	7.965	8.064	8.114	8.169	8.144	8.234	8.210	8.143	8.091	8.108	8.108
1447995	at	Snhq10	AV043099	Mm.380736	12	8.189	8.073	8.285	8.109	8.084	7.955	8.088	8.180	8.100	8.147	8.114	8.211	8.112	8.012	8.265	8.174	8.330	8.193	8.182	8.266	8.095	8.015	8.134	7.948
1447996	at	Ptchd1	A1848149	Mm.218811	X	4.932	4.503	4.817	4.734	4.810	4.588	4.694	4.650	4.739	4.519	4.920	4.376	4.809	4.697	4.651	4.785	4.737	4.728	4.783	4.939	4.826	4.478	4.831	4.778
1447997	s at	Timmh8a2	B0606908	Mm.297637	14	4.520	4.067	4.261	4.189	4.325	4.174	4.303	4.469	4.061	4.254	4.401	4.262	4.065	4.168	4.221	4.278	4.279	4.240	4.278	4.169	4.068	4.108	4.284	4.234
1447998	at	Iqih-6	BB160342	Mm.304472	12	4.986	4.869	4.570	4.870	4.662	4.607	4.714	4.937	4.784	4.434	4.729	4.818	4.989	4.768	4.525	4.896	4.740	4.619	4.767	4.771	4.944	4.645	4.581	4.463
1447999	x at	100039840	A1840508	Mm.463072	3	10.426	10.739	10.576	10.578	10.856	10.507	10.479	10.790	10.873	10.905	10.779	10.808	10.900	10.551	10.681	10.598	10.639	10.661	10.540	10.556	10.686	10.650	10.574	10.529
1448000	at	Cdc3a	AV352659	Mm.285723	6	5.081	4.339	5.125	4.825	4.633	4.850	5.157	4.640	4.861	4.607	4.825	4.555	4.538	4.752	4.857	4.986	4.727	4.881	4.878	5.386	4.846	4.780	4.951	5.022
1448001	x at	Cdc3a	AV352659	Mm.285723	6	7.532	7.021	7.454	7.399	7.320	7.319	7.649	7.134	7.305	7.236	7.288	7.135	7.197	7.421	7.381	7.491	7.275	7.352	7.339	7.844	7.352	7.202	7.529	7.441
1448002	x at	2610001J05RIK	AV327032	Mm.296155	6	4.305	4.579	4.299	4.457	4.426	4.629	4.593	4.497	4.399	4.638	4.416	4.358	4.311	4.358	4.731	4.360	4.377	4.327	4.395	4.277	4.459	4.253	4.394	4.382
1448003	at	18110043HO4RIK	B1414944	Mm.46699	11	9.466	9.638	9.321	9.481	9.604	9.484	9.451	9.868	9.207	9.268	9.362	9.532	9.481	9.210	9.272	9.479	10.166	10.254	9.618	9.776	10.111	9.843	9.526	9.527
1448005	at	Sash1	B1658899	Mm.338275	10	10.277	10.283	10.078	10.097	10.373	9.975	9.955	10.529	10.372	10.309	10.156	10.514	10.582	10.259	10.305	9.981	10.626	10.333	10.141	9.949	10.568	10.907	10.356	10.077
1448006	at	Zc3h7b	BE865106	Mm.432075	15	7.743	7.537	7.779	7.822	7.665	7.510	7.796	7.775	7.548	7.640	7.658	7.717	7.727	7.659	7.676	7.575	7.702	7.516	7.647	7.879	7.689	7.634	7.718	7.647
1448007	at	Baz2b	BE847301	Mm.228071	2	7.060	7.166	6.953	7.057	7.314	7.009	6.862	7.432	6.886	6.865	6.756	7.336	7.015	6.387	6.898	6.869	7.631	7.290	7.101	6.947	7.316	7.458	6.899	7.115
1448008	at	Ankhd1	BG081523	Mm.24790	18	7.736	7.662	7.513	7.625	7.754	7.606	7.577	7.854	7.657	7.396	7.772	7.566	7.576	7.466	7.459	7.536	8.041	7.811	7.683	7.672	7.756	7.803	7.708	7.392
1448009	at	LOC100044322	W98049	NA	1	8.617	8.652	8.785	8.882	8.779	8.846	8.696	8.565	8.502	8.515	8.520	8.694	8.508	8.644	8.564	8.837	8.782	8.774	8.778	8.895	8.513	8.662	8.816	8.866
1448010	at	A430104N19RIK	AA254104	Mm.372207	11	7.526	7.095	7.504	7.307	7.348	7.395	7.301	7.472	7.336	7.528	7.389	7.269	7.327	7.485	7.456	7.407	7.292	7.132	7.456	7.383	7.340	7.428	7.476	7.512
1448011	at	Vps13c	AV238602	Mm.241454	9	5.737	5.602	6.089	5.695	5.729	5.646	5.704	5.564	5.664	5.645	5.655	5.622	5.590	5.515	5.684	5.581	5.569	5.959	5.849	5.882	5.867	5.778	5.800	5.856
1448012	at	C76336	BG078932	Mm.455514	12	4.482	4.921	4.693	4.604	4.559	4.467	4.557	4.878	4.533	4.532	4.513	4.770	4.571	4.705	4.409	4.512	4.345	4.243	4.534	4.406	4.280	4.406	4.055	4.414
1448013	at	Usp24	A1196993	Mm.234544	4	8.955	9.568	9.063	9.153	9.221	9.135	9.321	9.549	9.337	9.325	9.290	9.185	9.401	8.968	9.013	9.233	9.270	9.105	9.070	9.222	9.474	9.275	9.745	9.486
1448014	s at	Usp24	A1196993	Mm.234544	4	9.002	9.479	8.887	8.996	9.076	9.048	9.189	9.197	9.136	9.143	9.228	9.261	9.100	9.121	8.955	8.944	9.158	9.147	9.059	8.968	8.964	9.140	9.041	9.167
1448015	at	Dzip3	BE533243	Mm.275138	16	4.477	4.326	4.707	4.501	4.298	4.556	4.425	4.451	4.536	4.537	4.473	4.386	4.397	4.475	4.284	4.483	4.480	4.448	4.464	4.505	4.273	4.405	4.340	4.527
1448016	at	Sass6	AA267568	Mm.408036	3	6.657	6.711	6.578	6.360	6.363	6.577	6.667	6.756	6.474	6.678	6.685	6.376	6.388	6.845	6.541	6.614	6.465	6.620	6.434	6.547	6.447	6.524	6.600	6.674
1448017	at	Map2l	BG081523	Mm.25610	3	6.102	6.015	6.099	6.067	6.063	6.462	6.075	6.008	6.067	6.008	6.065	6.008	6.065	6.174	6.065	6.140	6.065	6.174	6.065	6.140	6.065	6.174	6.065	6.174
1448018	at	NA	BG084182	NA	NA	8.511	8.465	8.625	8.558	8.683	8.577	8.400	8.381	8.222	8.383	8.267	8.568	8.759	8.503	8.554	8.688	8.581	8.659	8.543	8.622	8.760	8.480	8.450	8.450
1448019	at	2900006A08RIK	BE849316	Mm.24343	5	6.807	7.158	6.657	6.937	6.989	6.653	6.837	6.981	7.414	7.350	6.902	7.079	6.946	6.992	6.668	6.704	6.520	6.740	6.759	6.683	6.890	6.622	6.793	6.524
1448020	at	Rap1a	AA210264	Mm.458171	3	9.300	9.116	9.423	9.259	9.141	9.420	9.313	9.266	8.971	9.117	9.244	9.025	9.084	9.295	9.269	9.370	9.286	9.285	9.446	9.372	9.185	9.408	9.438	9.433
1448021	at	NA	AA267223	NA	NA	8.474	8.827	8.957	8.958	9.032	8.978	8.596	8.244	9.683	9.788	9.419	8.657	8.269	9.670	8.567	10.002	8.105	8.836	8.582	8.716	8.314	8.306	8.690	9.187
1448022	at	NA	BG963792	NA	NA	3.839	3.761	3.826	3.815	3.847	4.068	3.942	3.796	3.785	3.941	3.779	3.819	3.855	3.914	3.794	3.932	3.967	3.942	3.750	3.973	3.867	3.749	3.865	3.919
1448023	at	Kalrn	BB662566	Mm.401884	16	7.089	6.778	7.026	6.683	6.716	6.822	6.833	6.965	7.129	7.027	7.111	7.130	6.922	6.665	6.835	6.748	6.883	6.844	6.912	6.837	6.849	6.870	6.941	6.990
1448024	at	Npr3	BG080055	Mm.25259	15	5.502	5.254	5.763	5.573	5.404	6.109	5.488	5.541	5.169	5.572	5.044	5.540	4.758	5.338	5.228	5.509	6.030	5.737	6.222	5.431	5.512	5.563	5.597	5.586
1448025	at	Simf2a	A1155854	Mm.230924	3	7.552	9.090	7.368	7.395	7.191	7.928	7.598	7.293	9.356	8.190	7.985	7.261	7.595	9.170	7.315	7.217	6.850	6.622	6.557	6.622	6.557	6.622	6.557	6.622
1448026	at	Chd7	BG084683	Mm.138792	4	8.218	7.771	8.137	8.075	7.836	7.975	8.157	7.431	7.405	7.855	8.062	7.693	7.819	7.691	8.032	8.214	7.298	7.896	7.876	7.938	7.817	7.721	8.155	8.310
1448027	at	Ncoa3	A1428254	Mm.10111	2	8.023	8.264	7.992	8.163	8.341	8.046	8.095	8.303	8.315	7.995	9.282	8.212	8.245	7.837	8.009	7.923	8.276	8.269	7.914	8.179	8.634	8.808	8.358	8.358
1448028	at	Tbtd124	BF536757	Mm.301585	17	7.315	7.649	7.505	7.451	7.226	7.285	7.508	7.508	7.389	7.345	7.019	7.537	7.506	7.365	7.212	7.527	7.814	7.623	7.550	7.179	7.580	8.045	7.719	6.976
1448029	at	Tbx3	AA543734	Mm.219139	5	7.763	7.270	7.785	7.715	7.485	7.603	7.640	7.670	7.233	7.081	8.031	7.236	7.581	7.591	7.606	7.874	7.639	7.569	7.901	7.433	7.566	7.679	7.629	7.523
1448030	at	Stx5a	B1157197	Mm.153061	19	7.748	6.920	7.166	7.364	7.084	7.114	7.198	7.116	6.947	7.124	7.139	6.901	7.159	7.163	6.962	7.312	7.114	7.110	7.258	7.367	7.055	7.075	7.236	7.254
1448031	at	Gnao1	AA231554	Mm.251445	8	7.345	6.941	7.188	7.060	7.095	6.899	6.983	7.151	7.260	7.185	7.105	6.906	7.231	7.030	7.086	7.228	7.086	7.131	6.959	7				

1448083	at	Nalcn	BE861826	Nm.255348	14	4.330	4.472	4.493	4.504	4.457	4.528	4.505	4.361	4.397	4.403	4.577	4.496	4.517	4.495	4.523	4.479	4.478	4.492	4.558	4.387	4.544	4.508	4.617	4.610	
1448085	at	D1Ertnd102e	BG079145	NA	5	6.963	6.653	7.095	6.816	6.979	7.150	7.125	6.818	6.953	6.846	7.059	7.003	6.867	6.945	7.275	7.219	7.079	7.278	7.229	7.206	7.248	7.209	7.051	7.164	
1448086	at	D1Ertnd164e	BG079429	NA	1	5.065	4.858	4.888	4.897	4.933	4.901	5.015	4.806	4.842	5.061	5.119	4.740	4.970	4.840	5.105	4.939	5.074	5.093	5.142	5.436	5.118	4.793	4.974	5.222	
1448088	at	C78228	BG079416	Nm.5692	5	6.988	6.665	6.880	7.093	6.922	6.645	7.039	6.917	6.874	6.723	6.945	6.656	7.030	6.977	6.748	6.855	6.982	6.696	6.909	6.863	6.887	6.744	6.852	6.866	
1448089	at	D1Ertnd58e	BG079366	Nm.441746	4	5.154	4.947	4.947	4.836	4.974	5.086	5.039	5.026	4.922	5.034	5.020	5.003	4.933	4.975	5.094	5.107	4.951	4.949	5.143	4.961	4.863	5.130	5.204		
1448090	at	NA	BG079366	NA	NA	4.531	4.136	4.424	4.437	4.368	4.398	4.338	4.319	4.301	4.312	4.318	4.514	4.313	4.363	4.365	4.251	4.388	4.359	4.462	4.631	4.390	4.476	4.393		
1448091	at	D15Ertnd50e	BG079244	Nm.352759	15	5.835	5.570	5.789	5.676	5.663	5.741	5.806	5.932	5.705	5.564	5.513	5.574	5.604	5.768	5.828	5.754	5.945	5.764	5.869	5.986	5.979	5.871	5.804	6.013	
1448092	x	at	Serpin4-ps1	AA267743	Nm.297023	12	4.751	4.618	4.926	4.828	4.661	4.741	5.033	4.805	4.782	4.516	4.677	4.663	4.728	4.734	4.713	4.892	4.703	4.826	4.807	5.002	4.962	4.668	4.900	
1448093	s	at	C77405	BG065918	NA	18	6.969	7.041	6.810	6.783	6.725	6.680	6.819	6.652	6.359	6.689	6.409	6.478	6.548	6.462	6.612	6.911	6.757	6.806	6.802	6.640	6.794	7.281	6.803	
1448094	at	546100	AU256942	Mm.471801	8	5.471	5.056	5.275	5.356	5.274	5.102	5.355	5.503	5.385	5.136	5.231	5.396	5.317	5.109	5.288	5.266	5.310	5.269	5.227	5.402	5.391	5.442	5.305	5.233	
1448095	at	NA	BI080569	NA	NA	8.001	7.518	7.703	7.817	8.061	7.741	7.367	7.671	7.342	7.574	7.626	7.408	7.510	7.029	7.881	7.739	8.260	8.258	8.182	8.163	8.299	8.371	8.072	8.386	
1448096	at	Aafod1	AI649089	Nm.251085	8	7.050	6.936	7.043	7.073	7.042	7.004	6.828	6.819	6.943	6.862	7.042	7.096	6.932	6.845	7.001	7.161	6.971	6.999	6.910	7.025	7.096	6.906	7.559	7.025	
1448097	at	NA	AA522017	NA	4	4.250	4.206	4.426	4.171	4.206	4.516	4.294	4.135	4.376	4.210	4.335	4.277	4.343	4.336	4.276	4.399	4.268	4.358	4.320	4.462	4.421	4.253	4.397	4.155	
1448098	at	Qa517545	AA522015	NA	7	3.701	3.693	3.644	3.572	3.668	3.814	3.565	3.677	3.610	3.565	3.726	3.483	3.594	3.717	3.682	3.829	3.743	3.606	3.723	3.695	3.734	3.541	3.734	3.638	
1448099	at	EG432995	AV066641	Mm.271618	16	7.994	7.261	7.919	7.981	7.798	7.925	7.855	7.428	7.660	7.358	7.393	7.448	7.199	7.258	7.645	8.018	7.837	7.856	7.942	8.202	7.835	7.827	7.913	8.214	
1448100	at	483343919Lrik	NM 133797	Mm.24593	13	12.176	12.037	12.413	12.311	12.266	12.454	12.509	12.065	11.812	12.239	12.124	12.181	12.157	12.140	12.335	12.395	12.085	12.072	12.396	12.439	12.073	12.214	12.464	12.433	
1448101	s	at	Trim27	NM 009054	Mm.314056	13	9.066	9.684	8.855	8.996	9.208	8.918	8.924	9.145	9.474	9.418	9.615	9.431	9.341	9.631	9.238	8.912	9.147	9.232	9.087	8.970	9.142	9.064	9.019	
1448102	a	at	Wdr61	NM 023191	Mm.28437	9	11.071	11.167	11.039	10.840	10.854	10.927	10.986	10.996	10.992	10.968	10.773	11.077	10.978	11.116	10.944	10.944	10.921	10.928	10.883	10.808	10.968	10.901	10.856	
1448103	s	at	Nono	NM 023144	Mm.280069	X	12.100	12.512	12.283	12.243	12.382	12.488	12.265	12.322	12.433	12.537	12.309	12.421	12.460	12.621	12.509	12.256	12.208	12.161	12.392	12.461	12.203	12.217	12.325	
1448104	at	Aldh6a1	NM 134042	Mm.247510	12	12.157	10.855	12.402	12.041	11.239	11.822	11.820	11.106	10.341	10.844	10.896	11.378	11.068	10.733	11.592	12.359	11.992	11.800	11.932	11.926	11.968	11.978	12.146	12.357	
1448105	at	Prm2	NM 008933	Mm.325769	16	7.335	7.298	7.269	7.241	7.172	7.176	7.192	7.260	7.259	7.701	7.069	7.188	7.207	7.211	7.110	7.207	7.161	7.282	7.191	7.342	7.344	7.198	7.229	7.350	
1448106	at	Necap1	NM 026267	Mm.288114	6	9.230	9.651	9.202	9.199	9.284	9.247	9.202	9.371	9.565	9.542	9.429	9.431	9.258	9.459	9.330	9.222	9.345	9.324	9.270	9.326	9.320	9.310	9.344	9.267	
1448107	x	at	Klk1	BC010754	Mm.142722	7	6.136	5.608	6.162	5.921	5.742	6.322	6.188	5.789	5.231	5.787	5.736	5.195	5.609	5.554	5.980	5.976	5.873	6.094	6.075	6.112	6.235	5.870	5.978	
1448108	at	Serinc1	AK005203	Nm.29344	10	11.848	11.720	12.038	11.770	11.569	11.545	11.712	11.603	11.685	11.936	11.386	11.758	11.609	11.681	11.862	11.951	11.625	11.638	11.765	11.618	11.762	11.843	11.880	11.960	
1448109	a	at	Rpl26	NM 009080	Mm.3229	11	12.010	12.595	11.706	11.891	12.105	11.903	11.988	12.996	12.928	12.377	12.213	12.505	12.448	12.325	11.912	11.589	12.911	12.467	11.962	11.858	12.664	12.993	11.730	
1448110	at	Sema4a	NM 013658	Nm.439752	3	7.438	7.737	7.290	7.593	7.758	7.733	7.616	6.849	7.330	7.248	7.279	7.409	7.158	7.626	7.273	7.166	7.378	7.298	7.111	7.473	7.452	7.354	7.231	7.233	
1448111	at	Plas2	NM 020665	Mm.2065	X	8	5.952	6.197	6.188	6.036	6.173	6.414	6.598	6.127	6.581	6.824	6.958	6.827	6.962	6.984	6.822	6.959	6.868	6.923	6.908	6.920	6.854	7.007	6.985	
1448112	at	Cox7c	NM 007746	Mm.378989	13	13.704	13.696	13.606	11.712	13.721	13.557	13.653	13.902	13.611	14.435	12.652	13.807	12.708	12.770	13.462	13.580	14.184	14.022	11.741	11.740	14.021	13.740	14.021	13.740	
1448113	at	Stmn1	BC010581	Nm.378957	4	5.693	7.236	5.897	6.164	6.463	5.886	6.167	7.264	6.675	6.746	6.568	6.392	6.340	6.549	6.492	5.801	6.843	5.985	6.143	5.798	6.632	6.778	6.231	5.962	
1448114	a	at	Htf9c	NM 008307	Mm.271798	16	8.733	9.209	8.523	8.756	8.822	8.581	8.568	8.828	8.987	8.880	8.801	8.804	8.474	8.561	8.826	8.756	8.746	8.750	8.871	8.617	8.552	8.572		
1448115	at	Htf9c	NM 008307	Mm.271798	16	8.342	8.457	8.267	8.315	8.270	8.216	8.236	8.301	8.265	8.395	8.385	8.572	8.409	8.524	8.342	8.292	8.346	8.391	8.381	8.404	8.315	8.336	8.286	8.142	
1448116	at	Uba1	NM 009457	Mm.111094	X	11.858	12.364	11.976	12.077	12.148	12.070	12.088	11.904	12.156	12.217	12.115	12.209	12.121	12.219	12.023	12.066	11.985	12.024	12.053	12.007	11.871	11.903	11.897	12.023	
1448117	at	Kif1	BB815530	Mm.451124	10	9.623	9.495	9.580	9.427	9.529	9.676	9.597	9.440	8.742	9.407	9.957	9.314	9.302	9.661	9.573	9.725	9.015	9.025	9.232	9.556	9.521	9.100	9.711	9.961	
1448118	a	at	Ctsd	NM 009983	Mm.231395	7	13.490	13.581	13.529	13.629	13.708	13.404	13.426	13.227	13.824	13.874	13.426	13.878	13.939	13.687	13.813	13.598	13.225	13.435	13.556	13.606	13.352	13.269	13.463	
1448119	at	Rpl7	NM 007561	Mm.472363	6	7.930	7.379	7.662	7.724	7.855	7.423	7.558	7.564	7.545	7.689	7.425	7.734	7.937	7.547	7.754	7.959	7.654	7.704	7.547	7.704	7.547	7.704	7.547	7.704	
1448120	at	Gdf9	NM 008110	Mm.9714	11	8.224	8.083	8.153	8.233	8.384	8.212	8.229	8.417	8.324	8.179	8.196	8.265	8.413	8.305	8.214	8.255	8.163	8.181	8.251	8.247	8.347	8.230	8.269	8.357	
1448121	at	Wbp2	NM 016852	Nm.284792	11	11.299	11.409	11.248	11.413	11.505	11.302	11.248	11.119	11.426	11.498	11.209	11.626	11.425	11.157	11.263	11.241	11.441	11.540	11.325	11.322	11.354	11.288	11.125	11.167	
1448122	at	Tcp1	NM 013686	Nm.439645	17	12.605	12.993	12.638	12.680	12.629	12.835	12.687	12.696	12.891	12.857	12.856	12.654	12.613	13.002	12.616	12.663	12.708	12.675	12.912	12.785	12.611	12.645	12.560	12.717	
1448123	s	at	Tatbi	NM 009369	Mm.144455	13	9.592	11.363	8.985	9.175	9.832	10.002	8.983	9.452	11.043	10.488	9.655	9.624	9.717	11.182	9.424	8.970	9.070	8.782	8.846	8.152	9.234	9.260	8.591	8.466
1448124	at	Gusb	NM 010368	Mm.3317	5	8.962	10.493	9.001	9.166	9.176	9.349	9.278	9.276	10.151	10.012	9.493	9.381	9.531	10.350	9.410	9.156	8.693	8.921	9.280	8.928	8.834	8.893	8.733	8.872	
1448125	at	Rit2	BB271919	Nm.5163	18	5.136	4																							

1448174	at	Cul1	AF176910	Mm.87611	6	9.708	9.752	9.992	9.765	9.671	9.965	9.794	9.631	9.582	9.712	9.555	9.673	9.665	9.658	9.705	9.932	9.796	9.681	9.796	9.760	9.655	9.904	9.809	9.988
1448175	at	Hennpk	NM 010119	Mm.30169	19	9.250	9.295	9.069	8.805	9.048	9.023	9.046	9.517	9.361	9.357	9.361	9.308	9.274	9.133	9.247	9.209	9.310	9.254	9.298	9.296	9.488	9.946	9.474	9.940
1448176	a at	Hnnrnp	NM 025279	Mm.142872	13	11.164	11.377	11.477	11.350	11.194	11.621	11.458	10.721	11.109	11.512	11.331	11.036	11.208	11.734	11.606	11.426	10.687	10.966	11.570	11.550	10.831	10.530	11.404	11.482
1448177	at	Smnb9	AW048052	Mm.390983	17	5.882	5.889	6.046	6.099	6.086	6.081	5.918	5.839	5.864	5.739	5.938	6.002	5.910	5.770	5.796	5.983	6.131	5.938	5.937	6.006	5.911	6.136	5.888	5.999
1448178	at	Cor2	NM 009895	Mm.256034	3	12.455	13.312	12.051	12.871	12.753	12.888	12.893	12.781	12.947	12.939	13.052	12.808	12.687	13.300	12.729	12.775	12.695	12.885	12.956	12.930	12.727	12.932	13.023	
1448179	at	Usmg5	BC024355	Mm.222622	19	13.289	13.186	13.256	13.274	13.135	13.289	13.313	13.159	13.058	13.054	13.235	13.129	12.956	13.062	13.170	13.279	13.266	13.329	13.352	13.393	13.294	13.342	13.261	
1448180	a at	Hnn1	NM 008258	Mm.1775	11	10.272	11.076	10.042	10.343	10.875	10.451	10.613	10.840	10.904	10.805	10.931	10.731	10.669	11.074	10.679	10.069	10.560	10.720	10.476	10.613	10.582	10.514	10.321	10.255
1448181	at	Klf15	BC013486	Mm.41389	6	10.759	9.698	10.799	10.763	10.492	10.704	10.109	10.039	8.694	9.308	8.872	9.987	9.766	9.370	10.182	10.771	10.453	10.382	10.087	10.299	10.884	11.265	11.667	11.185
1448182	a at	Cd24a	NM 009846	Mm.29742	10	7.389	9.999	9.932	7.923	9.768	8.673	7.656	7.119	11.357	11.005	8.686	10.183	9.874	10.136	9.163	8.987	7.003	7.557	8.126	7.389	7.026	6.957	7.163	8.160
1448183	a at	Hf1a	BB269715	Mm.3879	12	8.496	9.273	8.547	8.249	9.047	8.688	8.472	8.546	8.998	9.037	9.018	8.845	9.226	9.062	8.766	8.660	8.505	8.208	8.544	8.409	8.026	8.140	8.375	8.398
1448184	at	Fkbp1a	AF483488	Mm.278458	2	11.941	12.802	11.824	12.023	12.443	12.669	12.002	12.244	12.708	12.602	12.589	12.412	12.523	12.599	12.401	11.929	11.955	12.038	12.122	12.061	12.070	11.749	12.109	11.925
1448185	at	Herpup1	NM 022331	Mm.29151	8	12.140	10.968	11.764	11.569	11.410	11.445	10.959	11.477	11.187	11.444	10.848	11.680	11.471	10.814	11.817	11.895	11.760	11.583	11.217	11.556	12.324	12.452	12.162	12.174
1448186	at	Phlipo2	NM 011128	Mm.212333	19	4.997	5.023	4.908	4.878	4.903	4.875	4.925	4.970	5.055	4.904	4.934	4.939	4.973	5.050	4.851	4.959	5.023	4.988	5.043	4.918	4.433	4.993	4.826	4.816
1448187	at	Pold1	BC009128	Mm.16549	7	8.344	8.713	8.188	8.571	8.415	8.309	8.299	8.377	8.174	7.955	8.153	8.275	8.155	8.639	8.096	8.329	8.354	8.434	8.499	8.311	8.273	8.513	8.103	8.057
1448188	at	Ucn2	BC012697	Mm.171378	7	10.278	10.965	10.197	9.953	10.579	10.494	10.345	10.965	11.268	10.962	10.852	10.742	10.870	11.088	10.938	10.196	10.601	10.371	10.460	10.163	10.443	10.540	10.492	10.473
1448189	a at	Mrp13	NM 022009	Mm.339755	11	10.602	11.177	10.582	10.780	11.288	10.760	10.570	10.973	11.381	11.327	10.872	11.324	11.265	10.981	10.984	10.661	11.058	10.937	10.725	10.739	10.904	11.023	10.718	10.805
1448190	at	Mrp133	NM 025796	Mm.120763	5	9.926	9.799	9.803	9.725	9.883	9.564	9.626	9.805	9.986	9.716	9.520	9.847	9.677	9.485	9.567	9.740	10.040	9.946	9.620	9.443	10.008	9.923	9.452	9.403
1448191	at	Plk1	NM 011121	Mm.16525	7	6.443	7.775	6.653	6.829	6.913	6.577	6.829	7.294	7.781	7.373	7.588	6.760	6.911	7.954	7.295	6.609	6.715	6.458	6.724	6.585	6.727	6.632	6.668	6.698
1448192	s at	Prp5	AK011304	Mm.287178	X	8.678	8.750	8.962	9.014	8.605	9.029	8.758	8.174	8.142	8.804	8.752	8.330	8.223	8.917	8.781	9.043	8.340	8.510	8.897	8.809	8.427	8.336	9.600	8.981
1448193	at	5730403B1ORik	NM 025670	Mm.157648	16	9.196	8.779	9.331	9.030	8.507	9.052	8.977	8.911	8.349	8.710	9.002	8.781	8.506	8.799	9.052	9.417	9.070	9.110	9.155	9.167	9.073	8.962	9.259	9.211
1448194	a at	H19	NM 023123	Mm.14802	7	8.695	9.912	8.669	8.449	8.397	8.752	8.111	7.841	11.905	11.128	8.200	10.565	11.270	10.192	10.079	8.531	8.242	8.193	8.872	7.961	7.789	7.626	7.939	7.951
1448195	at	Taf15	NM 133966	Mm.291777	8	8.389	8.422	8.294	8.506	8.568	8.267	8.242	8.620	8.357	8.152	8.536	8.282	8.301	8.352	8.320	8.354	8.701	8.565	8.491	8.378	8.680	8.716	8.461	8.563
1448196	at	Mat2b	NM 134017	Mm.293771	11	11.610	11.444	11.588	11.679	11.691	11.849	11.638	11.602	11.116	11.406	11.311	11.667	11.521	11.327	11.726	11.691	11.724	11.856	11.892	11.941	11.801	11.735	11.788	11.588
1448197	at	Ceacam11	NM 023289	Mm.36666	7	3.985	3.760	3.936	3.862	3.937	3.657	3.747	3.690	3.757	3.758	3.850	3.695	3.780	3.757	3.729	3.864	3.742	3.717	3.946	3.809	3.881	3.703	3.778	3.808
1448198	a at	Ndufb8	NM 020601	Mm.20660	19	14.165	13.831	14.089	14.063	13.955	13.960	14.109	14.310	13.686	13.742	14.031	13.963	13.935	13.785	13.906	14.049	14.338	14.304	14.075	14.147	14.337	14.239	14.133	14.097
1448199	at	Ankrd10	NM 133971	Mm.12459	8	9.856	10.649	9.785	9.697	10.197	9.778	9.682	10.141	10.613	10.576	11.048	10.308	10.238	10.468	10.393	9.760	9.447	9.551	9.744	9.433	9.692	9.739	9.457	9.686
1448200	at	Atf1	NM 027749	Mm.299749	11	8.775	8.977	8.787	8.767	8.105	8.786	8.235	8.938	9.368	9.235	9.258	9.235	9.258	9.235	9.258	9.235	9.258	9.235	9.258	9.235	9.258	9.235	9.258	9.235
1448201	at	Sfrp2	NM 009144	Mm.19155	7	8.622	8.577	8.767	7.762	10.582	8.677	7.367	7.383	11.190	10.640	9.278	11.367	9.396	10.600	7.602	7.199	7.397	7.762	7.445	7.707	7.626	7.960	6.879	6.879
1448202	x at	Prelid1	NM 025596	Mm.439805	13	9.981	11.580	9.601	9.800	10.556	9.920	10.082	11.042	11.796	11.275	10.842	11.002	10.989	11.414	10.490	9.504	10.044	10.055	9.806	9.432	10.062	10.131	9.556	9.328
1448203	at	Atf5	NM 013795	Mm.14663	9	11.656	11.646	11.452	11.690	11.545	11.578	12.408	11.393	11.825	11.763	11.595	11.368	11.538	11.574	12.449	12.409	11.601	11.656	12.276	12.248	11.374	11.374	11.254	
1448204	at	Sav1	NM 022028	Mm.390480	12	9.857	10.086	9.915	9.869	9.942	9.843	9.733	9.951	10.135	10.106	10.124	9.625	10.166	10.027	10.133	9.917	9.750	9.692	9.965	9.861	9.842	9.698	9.806	9.962
1448205	at	Ccnb1-rs1	NM 007629	NA	5	6.869	8.859	6.775	7.097	7.460	7.200	7.390	8.270	8.660	8.602	8.604	7.269	7.507	8.779	7.913	7.034	6.328	6.559	7.043	6.605	6.476	6.998	6.566	6.754
1448206	at	Psm2a	NM 008944	Mm.252255	13	11.958	12.028	11.827	11.745	11.854	11.731	11.897	12.060	11.959	11.811	11.850	12.085	11.965	11.848	11.695	11.816	12.184	11.982	11.819	11.742	12.090	12.176	11.684	11.624
1448207	at	Lasp1	BC010840	Mm.271967	11	6.496	6.299	6.404	6.343	6.170	6.288	6.145	6.330	6.205	6.131	6.462	6.221	6.166	6.353	6.219	6.411	6.230	6.245	6.224	6.283	6.429	6.105	6.443	6.261
1448208	at	Smn1	NM 025617	Mm.256917	8	9.171	9.659	9.032	9.150	10.437	9.017	10.254	10.008	9.913	10.000	10.365	9.983	9.848	10.109	9.935	9.745	10.186	10.172	10.186	10.065	10.112	10.273	10.284	10.186
1448209	a at	Slc22a17	NM 021551	Mm.27435	14	8.612	8.507	8.521	8.554	8.505	8.590	8.607	8.465	8.557	8.616	8.474	8.697	8.733	8.624	8.604	8.488	8.694	8.673	8.685	8.568	8.684	8.572	8.533	8.665
1448210	at	Cep68	AW108405	Mm.260314	11	11.047	11.361	11.238	11.158	11.103	11.182	11.292	11.102	11.203	11.268	10.972	11.008	10.914	11.280	11.056	11.240	11.166	11.075	11.113	11.002	11.077	11.121	11.067	11.154
1448211	at	Atf6v0e2	NM 133764	Mm.458098	6	7.492	8.067	7.906	7.754	8.110	8.404	7.820	7.661	7.713	7.895	7.812	8.104	7.986	8.049	8.025	8.096	8.046	8.638	8.676	8.297	8.018	8.082	7.923	7.829
1448212	at	Psmq2	NM 134138	Mm.150701	18	10.037	10.184	10.247	10.315	10.152	10.310	10.500	9.985	9.943	10.041	10.107	10.093	9.985	10.353	10.118	10.292	10.389	10.510	10.602	10.476	10.397	10.449	10.351	10.404
1448213	at	Anx1a	NM 010730	Mm.248360	19	11.118	12.265	11.095	11.185	11.960	11.447	11.138	11.921	12.558															

1448263	a	at	Cndp2	NM 023149	Mm.29646	18	10.195	11.141	10.197	10.136	10.409	10.229	10.106	10.435	11.225	10.841	10.498	10.554	10.406	11.024	10.241	10.136	10.171	10.029	9.970	9.800	10.072	10.341	9.816	9.739
1448264	a	at	Elf3p	NM 018799	Mm.250874	4	11.302	11.502	10.900	11.070	11.334	11.057	11.206	11.818	11.897	11.441	11.203	11.766	11.562	11.255	11.027	10.945	12.020	11.735	11.241	10.853	11.797	11.971	11.053	10.753
1448265	x	at	Mzp12	BC015076	Mm.33240	9	3.877	4.001	4.354	4.185	3.966	4.301	4.187	4.046	4.119	4.123	4.118	4.021	3.919	4.201	4.207	4.127	4.162	4.164	4.161	4.178	4.113	3.965	4.218	4.112
1448266	at		Edt1	AB030185	Mm.29945	2	8.424	8.964	8.554	8.654	8.668	8.618	8.588	9.348	8.647	8.615	8.567	8.821	8.718	8.355	8.498	8.447	9.396	9.002	8.693	8.710	9.183	9.266	8.402	8.444
1448267	at		Sty1a	BC004891	Mm.353061	19	6.376	7.481	7.116	7.251	7.219	7.075	6.961	7.196	7.354	7.380	7.170	7.587	7.138	7.118	7.188	7.150	7.396	7.072	7.302	7.204	7.178	7.242	6.983	7.085
1448268	at		Tmed9	NM 026211	Mm.45233	13	11.326	11.819	11.214	11.054	11.118	11.151	11.261	11.215	11.664	11.461	11.268	11.256	11.510	11.736	11.227	11.000	10.896	11.064	10.959	11.070	10.929	10.992	10.966	10.879
1448269	a	at	KlH13	NM 026167	Mm.224306	X	9.547	9.239	9.624	9.319	9.649	9.549	9.615	9.398	9.476	9.675	9.031	9.615	9.812	9.159	9.536	9.535	10.051	9.544	9.795	9.415	9.394	9.887	9.823	9.295
1448270	at		Ddx21	BM246099	Mm.413275	10	9.084	9.348	9.082	8.950	8.959	8.956	8.834	8.940	8.785	9.069	8.640	8.896	8.794	9.322	9.063	9.034	8.715	8.741	8.867	8.622	8.917	8.964	9.216	9.248
1448271	a	at	Ddx21	BM246099	Mm.413275	10	8.100	8.949	9.927	7.819	7.947	7.778	7.896	8.114	8.257	8.229	8.689	8.234	8.082	8.823	8.029	7.872	7.866	7.572	7.836	7.715	7.800	7.892	8.105	8.203
1448272	at		Bta2	NM 007570	Mm.392646	1	12.762	11.736	12.083	10.486	10.933	11.382	12.091	10.627	10.923	10.893	13.163	10.671	10.673	10.581	11.028	11.906	9.608	10.095	9.974	9.972	10.882	10.371	10.889	11.860
1448273	at		Gss	NM 008180	Mm.252316	2	8.359	8.677	8.460	8.378	8.323	8.348	8.460	8.130	8.330	8.559	8.334	8.632	8.422	8.420	8.366	8.414	8.037	8.321	8.343	8.303	8.183	8.185	8.204	8.262
1448274	at		C1bnp	NM 007573	Mm.30049	11	11.833	12.077	12.010	11.870	11.827	12.152	12.287	12.262	11.536	11.640	12.234	11.720	11.486	12.098	11.820	11.998	12.353	12.274	12.176	12.335	12.303	12.319	12.146	12.237
1448275	at		Tmem19	AK018383	Mm.29647	10	8.284	8.495	8.360	8.277	8.454	8.438	8.222	7.988	8.562	8.627	8.011	8.351	8.468	8.482	8.440	8.288	8.044	8.206	8.413	8.291	8.637	8.061	8.230	8.172
1448276	at		Tspan4	NM 053082	Mm.259477	7	10.356	11.378	10.163	10.431	10.870	10.787	10.425	10.499	11.293	10.102	10.230	11.058	11.148	11.338	10.801	10.126	10.440	10.365	10.170	10.174	10.462	10.574	10.220	9.945
1448277	at		Pold2	NM 008894	Mm.35788	11	8.744	9.454	8.891	8.881	8.774	8.705	8.673	9.165	9.206	9.133	9.421	9.082	8.812	9.217	8.797	8.865	9.383	9.435	9.122	8.966	9.000	9.150	8.771	8.802
1448278	at		Xab2	NM 026156	Mm.23739	8	7.868	7.839	7.931	8.041	7.894	7.892	7.794	7.653	7.759	7.889	7.890	7.862	7.829	7.902	8.016	7.827	7.784	8.000	7.972	8.091	7.742	7.578	7.959	8.028
1448279	at		Arpc3	BC013618	Mm.275942	5	11.124	11.475	10.861	10.769	11.046	10.584	10.893	11.733	11.664	11.534	11.170	11.225	11.503	11.309	10.913	10.798	10.976	10.786	10.597	10.400	10.953	11.326	10.475	10.193
1448280	at		Svp	NM 009305	Mm.223674	X	6.327	6.167	6.092	6.448	6.091	6.118	6.082	6.119	6.109	6.156	6.099	6.232	6.104	6.201	6.064	6.207	6.210	6.172	6.168	6.266	6.223	6.165	6.182	6.163
1448281	a	at	RP23-395H4.4	NM 007919	Mm.45316	4	7.001	6.575	6.888	6.864	6.785	6.889	6.924	6.803	6.572	6.465	6.913	6.770	6.842	6.583	7.036	6.875	6.997	6.894	6.961	7.043	6.841	6.900	7.003	7.242
1448282	at		Pir1a	BC006750	Mm.286345	3	9.607	9.651	9.698	9.637	9.497	9.705	9.555	9.425	9.491	9.702	9.433	9.637	9.463	9.732	9.714	9.701	9.621	9.630	9.871	9.776	9.449	9.567	9.597	9.815
1448283	a	at	Uba2	NM 016682	Mm.27560	7	10.613	11.001	10.594	10.433	10.650	10.599	10.710	10.886	10.835	10.713	10.980	10.619	10.693	11.042	10.827	10.580	10.457	10.309	10.580	10.328	10.144	10.547	10.350	10.624
1448284	a	at	Ndufc1	NM 025523	Mm.331007	3	14.019	13.795	14.086	14.013	13.860	13.952	14.002	13.998	13.450	13.585	13.783	13.790	13.650	13.583	13.872	14.047	14.007	14.106	14.015	14.085	14.115	14.026	14.113	14.079
1448285	at		Rqs4	NM 009062	Mm.41642	1	4.795	4.785	4.819	4.755	4.870	4.868	4.854	4.949	4.917	4.788	4.999	4.826	4.864	4.760	4.929	4.803	4.923	4.782	4.851	5.011	4.810	4.909	4.956	4.781
1448286	at		Hsd17b10	NM 016763	Mm.6994	X	12.150	11.875	12.495	12.334	11.773	12.392	12.294	11.797	11.501	11.633	11.863	11.448	11.603	11.840	11.942	12.430	12.374	12.508	12.522	12.521	12.351	12.176	12.351	12.244
1448287	at		Rpo1-3	NM 009087	Mm.317557	5	10.239	10.621	10.177	10.108	10.224	10.199	10.376	10.961	10.519	10.188	10.470	10.369	10.100	10.382	10.076	10.140	10.746	10.717	10.495	10.353	10.818	10.800	10.321	10.241
1448288	at		Nfb	BB832504	Mm.317947	4	10.504	10.591	10.220	10.359	10.768	10.454	10.455	10.919	10.426	10.425	11.116	10.593	10.683	10.153	10.381	10.297	11.105	10.816	10.452	10.411	10.888	11.180	10.359	10.061
1448289	at		Rad2	NM 009995	Mm.317947	6	7.167	7.136	6.611	6.683	6.581	6.733	6.762	7.146	6.675	6.581	6.716	6.683	6.581	6.683	6.581	6.683	6.581	6.683	6.581	6.683	6.581	6.683	6.581	6.683
1448290	at		Rec3b	NM 011036	Mm.254553	2	4.776	4.848	4.712	4.712	4.663	5.15	4.455	4.698	4.671	4.677	4.832	4.936	4.682	4.927	4.984	4.897	5.001	4.722	4.821	4.905	4.828	4.858	4.858	4.858
1448291	at		Mmp9	NM 013599	Mm.4406	2	6.282	6.091	5.574	5.856	5.580	5.699	5.727	5.600	5.562	5.743	6.038	5.264	5.407	6.433	5.246	5.911	5.423	5.348	5.541	5.523	5.544	5.603	5.665	6.008
1448292	at		Uqcrr	NM 026560	Mm.379119	10	13.303	12.999	13.180	13.201	13.192	13.161	13.252	13.502	12.837	12.745	13.135	13.448	13.209	12.787	13.120	13.180	13.890	13.748	13.111	13.416	13.718	13.810	13.299	13.112
1448293	at		Ebf1	BB125261	Mm.439662	11	8.714	8.728	8.953	8.841	8.751	8.907	8.867	8.782	8.673	8.940	8.603	9.063	9.266	8.791	9.044	8.755	8.617	8.890	8.967	8.762	8.042	8.224	8.093	8.222
1448294	at		Litaf	AV360881	Mm.294753	16	7.686	7.720	7.640	7.512	7.714	7.541	7.633	7.628	7.659	7.668	7.862	7.495	7.657	7.728	7.591	7.714	7.535	7.405	7.605	7.883	7.569	7.517	7.600	7.425
1448295	at		Med10	NM 138596	Mm.52583	13	10.622	11.046	10.520	10.802	10.666	10.765	10.804	10.785	10.992	10.933	10.555	11.025	10.703	10.967	10.656	10.496	10.681	10.675	10.572	10.486	10.659	10.591	10.705	10.355
1448296	x	at	Tuba3a	NM 009446	Mm.287784	6	7.987	8.775	7.581	7.677	7.803	7.822	7.854	8.384	8.792	8.397	8.331	7.643	7.768	8.461	7.569	7.509	7.792	7.657	7.559	7.525	7.805	7.894	7.202	7.363
1448297	at		Kat2	NM 009446	Mm.287784	16	8.946	8.156	8.871	12.352	13.365	12.087	12.336	14.427	14.226	13.936	14.283	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234	14.234
1448298	at		Tnk2	NM 016788	Mm.251115	16	5.884	5.955	5.922	5.934	6.106	5.893	5.817	6.222	6.082	5.951	5.849	6.122	5.982	5.879	5.895	5.914	6.608	6.250	5.760	6.114	6.200	6.565	6.008	5.791
1448299	at		Slc1a1	NM 009199	Mm.246670	19	7.883	7.549	7.956	7.949	8.009	8.026	7.952	7.992	7.339	7.627	7.891	7.601	7.632	7.802	7.885	7.918	7.737	7.958	7.967	8.004	7.816	7.758	8.157	8.344
1448300	at		Mst3	NM 026569	Mm.218286	1	11.574	10.869	11.268	11.419	11.120	11.371	11.439	11.812	10.512	10.619	11.417	11.366	11.072	10.576	11.155	11.205	12.110	11.840	11.296	11.461	12.080	12.078	11.416	11.435
1448301	s	at	Serpinb1a	AF426024	Mm.20144	13	5.860	8.717	5.523	5.444	7.802	5.636	5.466	5.918	10.209	10.011	7.365	8.718	9.453	7.089	7.883	5.349	5.296	4.833	5.305	5.055	5.095	5.143	4.887	5.064
1448302																														

1448352	at	Luzp1	BB705823	Mm.92659	4	8.685	9.187	8.384	8.502	8.583	8.301	8.209	9.362	9.397	9.184	8.846	9.035	8.870	8.609	8.647	8.845	8.573	8.450	8.275	8.816	8.999	8.280	8.441		
1448353	x at	Rpn1	NM 133933	Mm.188544	6	10.287	11.135	10.145	10.291	10.503	10.334	10.269	10.301	11.070	10.722	10.585	10.531	10.647	10.978	10.284	10.206	10.471	10.518	10.449	10.304	10.309	10.422	10.229	10.172	
1448354	at	G6dx2	NM 008062	Mm.27210	X	8.841	9.659	8.925	8.851	9.046	8.905	8.867	8.816	9.622	9.265	9.149	9.253	9.061	9.598	8.860	8.975	8.870	8.822	8.824	8.943	8.799	8.854	8.369	8.761	
1448355	at	Prs16	NM 019429	Mm.32043	13	7.093	6.460	6.645	6.740	6.678	6.637	6.723	6.746	6.805	6.783	6.908	6.729	6.996	6.948	6.732	6.764	6.571	6.642	6.662	6.735	6.753	6.622	6.769	6.919	
1448356	at	Ube2d2	NM 019812	Mm.180052	18	10.430	10.482	10.755	10.515	10.512	10.738	10.589	10.375	10.388	10.535	10.565	10.513	10.505	10.692	10.093	10.683	10.536	10.578	10.728	10.688	10.398	10.507	10.569	10.574	
1448357	at	Snrnp	NM 026506	Mm.276802	6	8.767	9.289	8.543	8.747	8.701	8.809	8.724	9.501	9.115	8.699	8.756	9.060	8.874	8.853	8.793	8.582	9.342	8.773	8.825	9.235	9.378	8.628	8.808		
1448358	s at	Snrpo	NM 026506	Mm.276802	6	11.709	12.386	11.437	11.621	11.969	11.724	11.751	12.091	12.367	11.859	11.875	12.164	12.142	12.208	11.804	11.380	12.172	12.135	11.757	11.592	12.128	12.076	11.581	11.302	
1448359	a at	Hid1a1	NM 019814	Mm.347915	9	7.988	7.949	8.497	8.070	8.419	8.462	8.263	8.060	7.532	8.072	8.043	8.010	7.903	7.436	8.274	8.356	8.176	8.297	8.477	8.594	8.102	8.154	8.383	8.593	
1448360	s at	Angel2	NM 021421	Mm.289914	1	9.507	9.614	8.976	9.546	9.495	9.870	9.638	9.502	9.534	9.762	9.243	9.709	9.569	9.763	9.677	9.691	9.607	9.512	9.608	9.438	9.531	9.855	9.684	8.771	
1448361	at	Tltc3	BB833716	Mm.213408	16	11.043	10.488	11.271	10.981	10.600	11.139	10.911	10.919	10.712	10.718	10.526	10.528	10.750	10.621	10.601	11.202	10.811	11.103	11.007	11.156	10.858	11.191	11.081	11.064	
1448362	at	Dnaic7	NM 019795	Mm.402409	11	11.093	11.125	11.130	11.120	11.659	11.259	11.124	11.176	10.935	11.052	11.175	11.015	10.827	11.156	11.065	11.188	11.121	11.042	11.217	11.112	11.022	11.121	11.091	11.087	
1448363	at	Yasr1	NM 009534	Mm.221992	9	11.210	11.035	11.330	11.295	11.285	11.345	11.257	10.907	10.982	11.255	11.100	11.237	11.323	11.033	11.126	11.372	11.114	11.189	11.207	11.220	11.077	11.240	11.269	11.232	
1448364	at	Ccn2	U95026	Mm.3527	5	7.557	7.181	7.534	7.465	7.416	7.661	7.558	7.158	7.548	7.584	7.100	7.352	7.593	7.496	7.826	7.575	7.410	7.633	7.946	7.845	7.711	7.446	7.873	7.746	
1448365	at	Exoc7	NM 025568	Mm.41562	9	10.410	10.569	10.546	10.528	10.389	10.709	10.663	10.443	10.122	10.271	10.239	10.405	10.277	10.615	10.441	10.518	10.667	10.774	10.897	10.823	10.494	10.543	10.609	11.266	
1448366	at	Stx1a	NM 016801	Mm.6225	5	6.863	6.971	6.646	7.020	7.074	6.858	6.650	6.861	7.149	7.076	7.075	7.091	7.432	6.855	6.774	6.682	6.762	6.708	6.752	6.609	6.728	6.689	6.841	7.024	
1448367	at	Sdf4	U45977	Mm.293517	4	5.058	5.245	4.959	4.980	5.225	4.971	5.147	5.040	5.010	4.965	5.084	4.953	4.966	5.012	4.781	5.136	4.899	5.125	5.072	5.006	4.839	5.166	5.450	4.961	
1448368	at	Dcn6	NM 011722	Mm.150373	8	10.166	10.317	10.097	10.181	10.072	10.154	10.100	10.213	9.866	9.961	10.025	10.306	10.166	9.931	10.060	10.068	10.523	10.662	10.493	10.154	10.309	10.224	10.009	9.987	
1448369	at	Pola2	NM 008993	Mm.209931	19	7.973	8.445	7.917	8.038	8.439	8.009	8.214	8.750	8.263	8.097	8.541	8.404	8.139	8.362	8.289	8.069	8.470	8.489	8.230	8.033	8.473	8.419	7.828	8.020	
1448370	at	Ulk1	AF072370	Mm.271898	5	11.099	10.597	11.068	11.098	10.950	10.974	10.590	10.616	10.295	10.448	10.251	10.722	10.722	10.215	10.674	11.267	11.023	10.907	10.772	10.844	11.100	11.254	11.161	10.932	
1448371	at	Myblf	NM 016754	Mm.14526	7	6.062	5.857	5.895	6.108	5.926	5.889	5.967	6.168	5.788	5.565	5.699	5.613	5.386	5.648	5.857	5.789	6.415	6.175	5.932	6.104	6.125	6.441	5.770	5.773	
1448372	a at	Cnrv2	NM 019953	Mm.44220	10	10.375	11.065	10.415	10.549	10.783	10.383	10.296	10.554	11.320	10.978	10.340	10.984	11.129	10.732	10.638	10.433	10.705	10.764	10.466	10.345	10.581	10.677	10.145	10.132	
1448373	at	Mrlp18	NM 026310	Mm.290166	17	11.158	11.283	11.150	11.426	11.119	11.332	11.330	11.455	10.741	10.593	10.821	11.215	10.649	10.773	10.789	11.197	11.687	11.640	11.260	11.269	11.624	11.662	11.024	11.159	
1448374	at	Med3	AK005130	Mm.283045	5	7.077	7.271	7.219	7.131	7.007	7.294	7.168	6.909	7.079	7.034	7.106	6.970	6.969	7.152	6.856	7.118	7.005	7.091	7.162	7.182	7.010	7.051	7.226	7.119	
1448375	at	Tm9sf3	AV061337	Mm.246440	19	5.761	5.407	5.724	5.537	5.687	5.830	5.760	5.604	5.615	5.716	5.918	5.500	5.639	5.604	5.698	5.717	5.701	5.741	5.927	5.826	5.790	5.567	5.764	6.028	
1448376	at	Wrip1	NM 030215	Mm.286680	13	9.433	9.698	9.368	9.479	9.570	9.343	9.204	9.409	9.549	9.508	9.201	9.694	9.651	9.300	9.336	9.452	9.885	9.526	9.323	9.346	9.791	9.919	9.546	9.525	
1448377	at	Slpi	NM 011414	Mm.371583	2	7.663	7.611	7.582	7.574	7.487	7.702	7.632	7.673	7.597	7.413	7.520	7.453	7.415	7.575	7.570	7.575	7.574	7.587	7.494	7.579	7.470	7.443	7.604	7.648	
1448378	at	Ube2d2	NM 007964	Mm.299377	5	6.901	10.468	10.752	10.589	10.762	10.674	10.589	10.387	10.388	10.535	10.565	10.513	10.505	10.692	10.093	10.683	10.536	10.578	10.728	10.688	10.398	10.507	10.569	10.574	
1448379	at	Pot1a	NM 133931	Mm.289914	5	6.901	10.468	10.752	10.589	10.762	10.674	10.589	10.387	10.388	10.535	10.565	10.513	10.505	10.692	10.093	10.683	10.536	10.578	10.728	10.688	10.398	10.507	10.569	10.574	
1448380	at	Lqm13bp	NM 011150	Mm.3152	11	8.569	9.429	8.464	8.493	8.832	8.518	9.162	9.439	9.058	8.947	9.144	9.108	9.180	9.344	8.834	8.421	8.833	8.683	8.742	8.745	8.658	8.273	8.356	8.528	
1448381	at	Gfm1	AK018125	Mm.122466	3	10.120	9.612	10.226	10.024	9.923	10.073	10.071	9.919	9.260	9.671	9.955	9.759	9.516	9.588	9.958	10.235	10.257	10.231	10.170	10.249	10.035	10.367	10.204	10.271	
1448382	at	Ehhad1	NM 023737	Mm.28100	16	7.556	7.410	7.792	7.677	7.225	7.868	7.546	7.536	6.822	7.024	6.316	7.166	6.896	7.104	7.362	7.651	8.078	8.221	8.612	8.000	7.590	8.179	7.242	7.453	
1448383	at	Mmp14	NM 008068	Mm.280175	14	9.709	11.319	9.365	9.466	10.917	9.354	9.504	9.010	10.191	12.162	11.523	10.434	10.943	11.529	11.089	10.636	9.330	9.145	9.369	9.519	8.820	8.564	8.979	8.723	8.592
1448384	at	Polu2	BC018194	Mm.203556	10	8.714	9.492	8.835	8.958	9.215	8.901	8.731	8.737	9.388	9.466	9.036	9.352	9.310	9.191	9.055	8.999	8.796	8.988	8.986	8.856	8.512	8.805	8.609	8.651	
1448385	at	Slc15a4	NM 133995	Mm.28506	5	8.786	9.118	8.721	8.933	8.884	8.640	8.445	8.959	9.370	9.373	8.896	9.295	9.267	8.991	9.123	8.874	8.888	8.718	8.606	8.455	9.145	9.335	8.945	8.987	
1448386	at	Ube2d2	NM 019429	Mm.213408	19	6.306	6.065	7.372	6.598	6.326	7.340	5.998	6.527	7.062	7.364	5.976	7.203	5.936	7.213	7.213	7.437	7.389	7.430	7.432	7.395	7.432	7.395	7.432	7.395	
1448387	at	Rbx1	NM 019712	Mm.29405	15	11.373	11.941	11.053	11.167	11.385	11.198	11.368	11.724	11.827	11.413	11.387	11.675	11.479	11.451	11.095	10.994	11.829	11.758	11.301	11.179	11.714	11.710	10.952	10.884	
1448388	a at	1110002B05Rik	NM 134054	Mm.475880	12	11.139	11.220	11.226	11.079	11.134	11.439	11.267	11.036	11.063	11.349	10.907	11.217	11.163	11.430	11.364	11.300	10.954	11.004	11.393	11.287	11.078	11.047	11.382	11.486	
1448389	at	Wdr5	AV095579	Mm.28265	2	7.551	7.670	7.530	7.453	7.412	7.620	7.533	7.455	7.640	7.494	7.651	7.295	7.422	7.838	7.405	7.608	7.339	7.398	7.470	7.485	7.478	7.306	7.444	7.667	
1448390	a at	Dhrs3	NM 013303	Mm.14063	4	10.212	9.822	10.066	10.346	10.170	10.100	9.997	10.173	10.346	10.206	9.497	10.343	10.187	9.934	10.083	10.183	10.487	10.398	9.921	10.063	10.560	10.872	10.469	10.193	
1448391	at	Rab9	NM 019773	Mm.25306	X	10.482	10.433	10.660	10.619	10.339	10.728	10.722	10.587	10.40																

1448441	at	Cks1b	NM 016904	Mm.3049	3	7.875	9.309	7.541	7.722	8.344	7.872	8.170	8.783	9.239	8.591	8.847	8.241	8.412	9.298	8.163	7.691	7.984	7.750	7.565	7.566	8.119	7.695	7.961	7.361	
1448442	a	at	Psm3a	NM 011184	Mm.296338	12	12.642	12.973	12.766	12.509	12.624	12.673	12.806	12.654	12.619	12.698	12.810	12.709	12.893	12.677	12.678	12.443	12.574	12.601	12.544	12.603	12.711	12.610	12.623	
1448443	at	Serpini1	NM 009250	Mm.41560	3	7.674	7.540	7.869	7.676	7.669	7.763	7.783	7.776	7.427	7.767	7.281	7.558	7.508	7.572	7.693	7.986	7.388	7.211	7.127	6.970	7.812	7.217	8.881	8.241	
1448444	at	1110028C15Rik	BG916066	Mm.383276	1	4.637	4.658	4.563	4.438	4.490	4.564	4.369	4.584	4.290	4.473	4.429	4.514	4.346	4.606	4.507	4.378	4.417	4.390	4.371	4.464	4.565	4.401	4.503	4.474	4.293
1448445	at	Acps	AB020038	Mm.131368	8	8.584	8.424	9.900	8.927	8.778	8.747	8.803	8.657	8.650	8.706	8.650	8.635	8.473	8.505	8.728	8.800	9.265	9.210	9.096	9.184	8.963	9.030	8.970	9.024	
1448446	at	Deaf1	NM 016874	Mm.28392	7	6.980	7.036	6.896	7.025	7.193	6.595	6.837	6.876	6.950	6.969	6.922	7.111	6.934	6.762	7.112	6.937	6.784	7.193	6.922	6.919	7.082	6.987	6.968	6.849	
1448447	at	Vps28	NM 025842	Mm.30028	15	11.034	11.288	10.828	10.966	11.242	10.917	10.939	11.461	11.114	11.076	11.044	11.234	11.365	10.881	10.823	10.842	11.641	11.492	11.139	10.956	11.119	11.491	11.489	10.933	10.589
1448448	a	at	Chkb	NM 007692	Mm.227738	15	10.522	10.379	10.430	10.473	10.322	10.612	10.540	10.497	10.081	10.137	10.014	10.517	10.370	10.177	10.408	10.447	10.753	11.005	10.892	10.874	10.628	10.624	10.541	10.446
1448449	at	Ripk3	NM 019955	Mm.46612	14	6.509	8.063	6.252	6.496	6.939	6.313	6.637	7.290	7.353	7.290	7.339	6.758	7.042	7.704	6.910	6.316	6.334	6.192	6.414	6.215	6.397	6.444	6.549	6.236	
1448450	at	Ak2	NM 016895	Mm.29460	4	8.944	9.822	9.021	9.053	9.983	9.032	9.041	9.053	9.450	9.263	9.356	9.160	9.252	9.594	8.879	8.931	8.948	9.058	9.024	9.000	8.973	8.908	8.883	8.719	
1448451	at	Ak2	NM 016895	Mm.29460	4	10.275	10.816	10.550	10.540	10.505	10.512	10.521	10.267	10.446	10.588	10.392	10.527	10.436	10.683	10.319	10.508	10.352	10.542	10.580	10.555	10.326	10.276	10.343	10.389	
1448452	at	Itfr6	BC069095	Mm.334861	8	7.906	8.380	7.566	8.003	8.105	7.828	7.882	8.364	8.637	8.385	8.390	8.616	8.413	8.431	8.029	7.869	8.116	7.821	7.808	7.077	7.717	7.853	7.928	7.750	7.237
1448453	at	Hsd3b1	NM 008293	Mm.140811	3	6.158	6.060	6.312	6.158	5.990	5.770	6.005	6.276	6.162	6.040	6.375	5.943	6.172	6.044	6.238	5.906	6.077	6.092	6.144	6.037	6.008	5.994	6.150	5.971	
1448454	at	AV539046	Mm.24042	2	11.366	11.520	11.317	11.262	11.184	11.332	11.270	11.223	11.356	11.117	11.318	11.178	11.239	11.409	11.357	11.366	11.132	11.069	11.168	11.119	11.159	11.117	11.132	11.131	11.237	
1448455	at	Cln8	AF125307	Mm.254027	8	8.574	9.029	8.676	8.799	8.547	8.874	8.932	8.601	8.813	8.986	8.779	8.861	8.757	9.173	8.805	8.789	8.615	8.660	8.855	8.804	8.478	8.612	8.856	8.858	
1448456	at	Cln8	AF125307	Mm.254027	8	7.539	7.744	7.552	7.576	7.497	7.610	7.671	7.504	7.758	7.755	7.743	7.916	7.572	8.076	7.823	7.604	7.587	7.799	7.597	7.702	7.402	7.679	7.742	7.563	
1448457	at	Krt71	NM 019956	Mm.358677	15	7.065	7.061	6.817	7.053	7.002	6.784	7.098	7.112	7.152	7.082	7.189	7.106	6.981	7.041	7.135	7.089	7.016	7.010	7.133	7.177	7.085	6.874	7.041	7.214	
1448458	at	Top2b	BB165592	Mm.130362	14	5.582	5.562	5.493	5.409	5.609	5.484	5.624	5.717	5.448	5.476	5.396	5.597	5.657	5.475	5.762	5.585	5.794	5.449	5.711	5.539	5.399	5.597	5.430	5.390	
1448459	at	Kcmip1	NM 027398	Mm.252514	11	5.247	5.006	4.988	5.097	5.111	5.114	5.006	5.053	5.054	5.024	5.180	4.923	5.052	4.965	4.989	5.079	5.000	5.027	5.109	5.155	5.034	4.904	5.125	5.093	
1448460	at	Acv1	NM 007394	Mm.689	2	9.310	9.888	9.253	9.466	10.006	9.508	9.223	9.702	10.467	10.328	9.769	10.398	10.347	9.754	9.997	9.212	9.747	9.750	9.947	9.213	9.580	9.472	8.913	9.240	
1448461	a	at	Thoc7	NM 025435	Mm.295875	14	11.223	10.949	11.122	10.957	10.884	11.057	11.144	10.805	10.579	11.003	10.856	10.724	10.668	10.847	10.982	11.075	11.023	11.028	11.117	11.023	11.234	11.152	11.221	11.289
1448462	at	Tdq	NM 011561	Mm.347607	10	8.607	9.645	8.634	8.769	8.915	8.933	8.836	8.910	9.320	9.301	9.408	8.952	8.826	9.294	8.896	8.695	8.893	8.896	8.952	8.847	8.694	8.755	8.800	8.927	
1448463	at	4933434E20Rik	NM 027709	Mm.472709	3	11.663	11.497	11.641	11.722	11.509	11.724	11.685	11.330	11.325	11.391	11.361	11.443	11.326	11.449	11.309	11.720	11.693	11.717	11.791	11.723	11.569	11.679	11.662	11.700	
1448464	at	Ykt6	NM 019661	Mm.294821	11	10.617	11.062	10.846	10.761	10.805	10.912	10.723	10.607	10.936	11.034	10.867	10.784	10.741	11.082	10.795	10.883	10.372	10.621	10.779	10.826	10.464	10.255	10.659	10.692	
1448465	at	Nipsnap1	BC010837	Mm.293716	11	6.497	6.485	6.629	6.442	6.354	6.441	6.371	6.848	6.394	6.429	6.511	6.305	6.275	6.548	6.360	6.490	6.701	6.627	6.547	6.777	6.469	6.472	6.460	6.329	
1448466	at	Cdc45	NM 026410	Mm.23526	19	6.921	7.527	6.795	7.068	7.311	6.924	7.237	7.398	7.591	7.155	7.427	7.016	7.140	7.722	7.206	6.774	6.750	6.945	6.851	6.930	6.905	6.767	6.854	6.697	
1448467	at	Hbb11	NM 001252	Mm.10363	17	10.643	10.724	10.683	10.747	10.781	10.862	10.768	10.942	10.810	10.949	10.817	10.917	10.849	10.933	10.800	10.945	10.870	10.910	10.997	10.943	10.983	10.963	10.903	10.922	
1448468	at	AP033003	Mm.316402	3	7.350	7.355	7.367	7.301	7.317	7.570	7.163	7.387	7.427	7.507	7.427	7.507	7.392	7.418	7.368	7.478	7.235	7.465	7.478	7.235	7.465	7.209	7.187	7.187	7.187	
1448469	at	Nid1	X14480	Mm.4691	13	8.707	9.144	8.688	9.084	8.850	8.949	8.738	9.516	9.793	9.686	9.418	9.941	10.079	9.295	9.658	8.663	9.127	8.638	8.931	8.658	9.039	9.201	8.745	7.855	
1448470	at	Fbn1	NM 019395	Mm.423078	13	7.576	7.189	7.540	7.176	7.237	7.558	7.318	7.336	7.356	7.260	7.493	6.953	6.967	7.259	7.476	7.515	7.370	7.150	7.267	7.670	7.324	7.195	7.748	7.438	
1448471	a	at	Ctla2a	NM 007796	Mm.30144	13	9.160	9.491	8.783	8.257	9.275	8.492	8.939	9.123	9.922	9.706	9.816	9.712	9.414	9.791	9.296	8.702	7.986	8.533	8.658	7.368	8.235	8.381	8.248	8.313
1448472	at	Vars	AF087680	Mm.28420	17	8.963	8.826	8.934	9.220	9.485	9.059	9.163	9.267	9.589	9.333	9.518	9.439	9.423	9.525	9.125	9.031	9.290	9.243	9.207	9.033	9.267	9.226	9.122	8.933	
1448473	at	Bub3	BE986800	Mm.927	7	9.236	9.302	9.943	9.236	9.905	9.362	9.249	8.910	8.905	9.048	9.080	8.877	9.888	9.305	9.199	9.464	8.989	9.275	9.398	9.389	8.945	8.964	9.471	9.288	
1448474	at	Nek7	NM 021605	Mm.1343817	1	11.415	11.173	11.643	11.530	11.337	11.674	11.458	10.531	11.209	11.595	11.067	11.496	11.397	11.342	11.660	11.168	11.484	10.733	11.221	11.572	11.532	11.058	10.938	11.766	11.767
1448475	at	Grc3	NM 019559	Mm.294625	7	9.505	10.587	9.750	9.768	10.596	9.774	10.219	11.321	9.959	10.379	10.248	10.952	10.981	9.921	9.560	9.917	10.030	9.988	9.792	9.580	9.928	9.580	9.581	9.581	
1448476	at	Nap114	NM 008672	Mm.294625	7	11.524	11.588	11.422	11.686	11.497	11.623	11.523	11.548	11.291	11.337	11.554	11.505	11.365	11.430	11.419	11.491	11.847	11.869	11.707	11.715	11.686	11.804	11.589	11.603	
1448477	at	Chs1	NM 021528	Mm.28934	5	7.228	8.345	7.381	7.540	7.877	7.655	7.382	7.466	8.381	8.091	7.405	8.266	8.122	8.240	7.737	7.474	7.476	7.533	7.595	7.501	7.544	7.351	7.019	7.337	
1448478	at	Med20	NM 020048	Mm.59393	17	9.181	9.368	9.511	9.548	9.407	9.628	9.408	9.140	9.339	9.493	9.275	9.576	9.323	9.537	9.579	9.257	9.449	9.599	9.480	9.746	9.541	9.498	9.542	9.498	
1448479	at	Psmd3	NM 009439	Mm.12194	11	10.707	10.783	10.421	10.460	10.643	10.484	10.527	10.634	10.527	10.485	10.594	10.583	10.451	10.558	10.446	10.481	10.806	10.859	10.566	10.543	10.694	10.604	10.531	10.261	
1448480	at	Nip7	BC003972	Mm.334789	8	8.874	9.459	8.646	8.705	8.871	8.698	8.665	9.168	9.076	8.806	9.504	8.982	8.873	9											

1448530	at	Gmpr	NM 025508	Mm.290802	13	11.688	11.416	11.541	11.907	11.705	11.722	11.716	11.907	10.681	11.066	11.238	11.682	11.310	10.915	11.245	11.534	12.059	11.970	11.529	11.643	11.952	12.003	11.354	11.023	
1448531	at	LmnB2	NM 010722	Mm.7362	10	7.135	8.147	6.960	7.226	7.575	7.208	7.228	7.561	7.525	7.592	7.906	7.355	7.384	7.938	7.341	7.078	7.123	7.297	7.295	6.991	7.130	6.910	6.994	7.136	
1448532	at	PrI8a9	AF158744	Mm.46091	13	4.937	4.531	5.150	4.894	4.773	4.951	4.986	4.972	4.823	4.875	5.157	4.745	4.781	4.926	4.967	4.980	4.702	5.223	5.121	5.299	5.052	4.866	4.831	5.185	
1448533	at	Tbcb	NM 025548	Mm.27947	7	11.240	11.904	11.136	11.322	11.452	11.333	11.222	11.518	11.948	11.711	11.521	11.614	11.637	11.721	11.252	11.156	11.610	11.531	11.387	11.321	11.524	11.544	11.214	11.027	
1448534	at	Slrpa	AD018194	Mm.1692	2	8.730	9.120	8.704	8.875	8.777	8.753	8.689	8.463	8.909	8.755	8.724	8.854	9.183	8.690	8.598	8.513	8.486	8.655	8.620	8.630	8.546	8.581	8.579	8.679	
1448535	at	Slrpa	NM 023876	Mm.33870	2	7.399	7.485	7.177	7.177	7.121	7.58	7.289	7.242	6.883	7.076	7.095	7.245	7.289	7.447	7.033	7.055	7.316	7.447	7.337	7.107	7.016	7.045	7.283	7.250	
1448536	at	Lsm3	NM 026309	Mm.246693	6	10.968	11.427	10.962	10.853	11.084	11.161	11.222	11.634	11.250	11.114	11.057	11.299	11.160	11.232	10.955	10.879	11.512	11.448	10.855	11.175	11.327	11.486	10.943	10.635	
1448537	at	Tltc1	NM 133795	Mm.271974	11	9.593	9.711	9.746	9.591	9.652	9.806	9.602	9.398	9.583	9.784	9.469	9.779	9.574	9.834	9.719	9.796	9.594	9.743	9.944	9.909	9.673	9.620	9.814	9.889	
1448538	a at	D4Wsu53e	BE447520	Mm.331964	4	9.116	8.986	9.058	9.592	9.700	9.206	8.878	8.808	8.770	8.673	8.446	9.026	9.018	8.656	8.819	8.970	8.963	9.235	8.607	8.590	9.104	8.800	9.415	8.668	
1448539	a at	Acy3	NM 027857	Mm.29735	19	8.154	8.042	8.150	8.184	8.133	8.181	7.956	8.162	7.934	7.802	7.972	8.117	8.038	7.763	8.074	7.945	8.955	8.796	8.579	8.436	8.920	8.516	8.273	8.160	
1448540	a at	D4Wsu12G03Rik	BC021536	Mm.347369	16	9.469	9.675	9.530	9.687	9.563	9.474	9.579	10.074	9.534	9.464	9.722	9.678	9.348	9.059	9.429	9.327	10.308	10.159	9.581	9.665	10.207	10.145	9.387	9.444	
1448541	at	Klc1	AU070968	Mm.278357	12	6.486	6.421	6.479	6.542	6.508	6.566	6.594	6.365	6.471	6.685	6.566	6.368	6.283	6.745	6.551	6.619	6.194	6.290	6.764	6.736	6.387	6.427	6.676	6.771	
1448542	at	Bcblp	NM 025392	Mm.389983	7	11.664	11.879	11.601	11.597	11.660	11.683	11.759	11.662	11.542	11.603	11.682	11.649	11.500	11.677	11.606	11.665	11.687	11.752	11.799	11.644	11.100	11.634	11.668	11.532	
1448543	at	Slmo2	NM 025531	Mm.182294	2	10.006	10.637	9.824	9.877	10.263	9.916	10.086	10.218	10.158	10.211	10.218	10.282	10.019	10.257	9.981	9.887	10.018	10.279	10.764	9.849	9.834	9.918	9.923	10.070	10.701
1448544	at	Crat	BC006668	Mm.20396	2	8.039	7.780	7.831	7.928	7.805	7.856	7.987	7.914	7.572	7.547	7.740	7.826	7.763	7.751	7.858	7.863	8.353	8.302	7.942	8.073	8.131	8.085	8.079	7.973	
1448545	at	Sdc2	AU021035	Mm.234266	15	9.616	10.042	9.617	10.237	10.381	9.949	9.711	9.240	9.464	9.500	9.888	10.827	10.303	9.873	9.276	9.669	8.889	9.018	9.142	9.198	8.803	8.948	8.767	8.678	
1448546	at	Rassf3	BB703307	Mm.41265	10	10.478	10.551	10.592	10.802	10.991	11.027	10.898	10.678	10.026	10.411	10.503	10.680	10.436	10.269	10.760	10.589	10.894	11.015	10.783	11.031	10.834	10.931	10.858	11.100	
1448547	at	Rassf3	BB703307	Mm.41265	10	9.814	9.500	9.932	9.979	10.032	10.406	10.052	9.871	9.511	9.684	9.917	9.729	9.599	9.903	9.955	10.006	10.087	10.164	10.166	10.377	10.082	9.976	10.241	10.474	
1448548	at	Tulp4	NM 054400	Mm.449307	17	10.790	11.058	10.914	10.876	11.363	11.070	10.952	11.089	11.277	11.540	11.033	11.457	11.515	11.129	11.441	10.971	10.847	10.890	11.017	11.060	10.959	10.983	11.054	11.147	
1448549	a at	Dopaqt1	NM 007875	Mm.18353	9	9.997	10.573	10.172	10.180	10.109	10.349	10.084	9.862	10.438	10.452	10.232	10.130	10.199	10.731	10.193	10.196	9.772	10.071	10.065	10.040	9.777	9.773	10.023	9.924	
1448550	at	Lbp	NM 008489	Mm.218846	2	8.352	8.132	8.445	8.254	8.367	8.569	8.128	7.755	8.181	8.682	7.843	8.309	8.205	8.496	8.414	8.424	7.362	7.809	8.287	7.731	7.916	7.548	7.993	8.037	
1448551	a at	Trim2	BB283676	Mm.44876	3	6.682	7.000	6.309	6.615	6.472	6.564	6.629	6.656	6.377	6.572	6.728	6.467	6.526	6.689	6.714	6.626	6.274	6.444	6.369	6.766	6.187	6.035	6.730	6.762	
1448552	s at	Tmem206	NM 025864	Mm.236300	1	6.660	6.927	6.211	6.653	6.788	6.558	6.653	6.833	6.852	6.948	6.502	6.843	6.941	6.764	6.501	6.502	6.668	7.058	6.689	6.580	6.443	6.692	6.433	6.271	
1448553	at	Mvh7	NM 080728	Mm.457983	14	13.370	11.735	13.386	13.092	12.460	12.420	11.214	13.076	10.553	12.082	13.019	13.523	13.257	11.887	12.920	13.445	12.739	12.440	12.263	12.305	11.278	11.652	10.993	9.361	
1448554	s at	Mvh7	NM 080728	Mm.457983	14	15.187	14.981	15.263	15.280	15.263	15.276	15.243	15.251	14.022	14.803	15.172	15.158	15.123	14.988	15.101	14.910	15.211	15.293	15.265	15.282	15.265	15.357	15.098	15.294	
1448555	at	Rpa33	NM 028003	Mm.12255	15	8.909	8.820	8.952	8.937	8.815	8.689	8.596	8.970	8.807	9.028	8.032	9.022	8.600	8.447	8.492	8.938	9.596	9.433	9.405	9.115	9.214	9.160	8.910	8.667	
1448555	at	Rpa33	NM005855	Mm.12255	15	5.565	5.187	5.697	5.535	5.477	5.665	5.710	5.512	5.066	5.283	5.065	5.328	5.144	5.372	5.158	5.688	5.833	5.792	5.672	5.623	5.683	5.597	5.521	5.777	
1448556	at	D1200015N20Rik	NM 028229	Mm.19825	10	8.322	7.929	8.022	8.514	8.235	8.810	8.544	8.242	8.624	8.242	8.624	8.242	8.533	8.242	8.533	8.242	8.533	8.242	8.533	8.242	8.533	8.242	8.533	8.242	
1448558	a at	Pla2q4a	NM 008869	Mm.4186	1	7.708	8.910	7.777	7.527	8.402	8.231	7.901	7.971	8.857	8.805	8.334	8.247	8.094	8.882	8.106	7.637	6.686	7.078	7.412	6.668	6.842	6.844	7.000	6.820	
1448559	at	Fliot	NM 008627	Mm.2931	17	11.969	12.159	11.985	12.100	12.029	11.983	11.970	11.867	11.980	12.132	12.158	12.210	12.037	12.034	11.958	11.840	11.868	11.939	11.804	11.837	11.681	11.611	11.720	11.609	
1448560	at	Bid	NM 007544	Mm.235081	6	5.780	5.646	5.762	5.858	5.813	5.913	6.033	6.095	5.960	5.855	5.867	5.790	5.524	5.927	5.621	5.881	5.793	5.731	5.794	5.776	5.714	5.490	5.785	5.689	
1448561	at	Ncf2	NM 010877	Mm.270307	1	7.845	8.344	7.523	7.773	7.775	7.727	7.809	7.984	8.698	8.122	8.023	7.740	7.926	8.353	7.696	7.437	7.866	7.563	7.564	7.407	7.731	7.808	7.502	7.674	
1448562	at	Upp1	NM 009477	Mm.46110	11	7.591	8.804	7.376	7.848	8.030	7.818	8.160	8.773	8.522	8.630	9.016	8.502	8.382	8.746	8.288	7.342	8.031	8.175	7.847	7.817	8.121	7.917	7.733	7.289	
1448563	at	Phb	AK010619	Mm.263682	11	10.717	11.019	10.833	10.827	10.518	10.789	10.833	10.530	10.313	10.430	10.590	10.576	10.181	10.415	10.430	10.185	10.761	11.143	10.865	11.000	10.838	10.735	10.648	10.709	
1448564	at	Upp1	NM 009714	Mm.46110	2	8.557	9.253	9.132	9.659	9.405	8.954	8.574	9.259	9.174	9.546	9.432	9.259	9.174	9.546	9.432	9.259	9.174	9.546	9.432	9.259	9.174	9.546	9.432	9.259	
1448565	at	Ppd1r11	NM 029632	Mm.46176	17	9.528	9.641	9.190	9.311	9.511	8.928	9.342	10.151	9.712	9.460	9.423	9.854	9.531	9.446	9.211	9.188	10.235	10.133	9.555	9.530	10.113	10.148	9.358	9.196	
1448566	at	Pic40a1	AF226613	Mm.28756	1	8.192	8.608	8.381	8.314	8.010	8.387	8.394	7.988	8.668	8.521	8.216	8.005	8.042	9.113	8.385	8.461	8.439	8.129	8.835	8.653	8.497	8.440	8.579	8.982	
1448567	at	Tmem115	NM 019704	Mm.260153	9	9.113	9.512	9.251	9.250	9.264	9.104	9.185	9.224	9.308	9.335	9.188	9.336	9.383	9.318	9.234	9.113	9.271	9.310	9.190	9.094	9.310	9.364	9.136	9.152	
1448568	a at	Slc20a1	NM 015747	Mm.272675	2	10.100	10.789	10.143	9.657	10.253	9.646	9.760	9.836	10.698	10.757	10.826	10.512	10.529	10.306	10.467	10.103	8.805	9.287	9.044	9.137	9.010	9.134	10.076	10.039	
1448569	at	Z410014A08Rik	BF682469	Mm.153963	5	9.492	10.267	9.396	9.764	9.957	9.613	9.486	9.500	10.171	10.121	9.694	9.923	9.950	9.916	9.629</										

1448619	at	Dhcr7	NM	007856	Mm.249342	7	7.504	8.156	7.272	7.616	7.885	7.729	7.707	7.806	7.752	7.827	7.344	7.714	7.549	7.779	7.624	7.237	8.317	8.170	7.951	7.669	7.635	8.033	7.416	7.512	
1448620	at	Fcar3	NM	010188	Mm.22119	1	8.675	10.030	8.449	8.707	9.099	8.795	8.755	8.922	10.681	10.003	9.206	9.381	9.300	9.924	8.981	8.566	8.319	7.943	8.071	7.571	8.495	8.821	8.388	8.337	
1448621	a at	Ssmdp1	NM	011421	Mm.4628	7	12.347	12.569	12.275	12.419	12.377	12.270	12.346	12.343	12.478	12.474	12.326	12.449	12.280	12.338	12.146	12.323	12.238	12.554	12.483	12.460	12.220	12.163	12.098	12.166	
1448622	at	Lsm4	NM	015816	Mm.248188	8	11.041	11.795	11.139	11.272	11.417	11.020	11.050	11.210	11.569	11.475	11.269	11.337	11.229	11.360	11.934	11.108	11.001	10.995	10.981	10.902	10.907	10.921	10.667	10.591	
1448623	at	Tmem123	NM	133739	Mm.283293	9	10.743	10.923	10.989	10.989	10.965	10.931	10.944	10.829	10.866	11.234	10.960	10.863	11.122	11.100	11.137	11.090	10.857	10.920	10.892	10.874	10.969	10.874	10.946	11.002	
1448624	at	Cd82bp2	NM	027353	Mm.28050	7	8.039	8.587	7.725	7.964	8.069	7.750	7.951	8.132	8.432	8.386	8.263	8.133	8.155	8.291	8.172	7.976	7.948	8.069	7.680	7.817	7.920	7.901	7.908	7.866	
1448625	at	Golg2a	NM	133852	Mm.106376	2	11.042	11.178	10.980	11.178	11.205	10.943	10.807	10.992	11.045	11.042	10.716	11.336	11.089	10.880	10.917	10.917	11.380	11.297	11.086	11.112	11.140	11.145	11.008	10.828	
1448626	at	Cdk5rap1	NM	025876	Mm.289427	2	10.197	10.141	10.211	10.132	9.675	10.110	10.165	10.120	9.891	10.039	9.575	10.173	9.967	9.968	9.798	10.218	10.052	10.046	10.187	9.873	9.682	10.283	9.586	9.851	
1448627	s at	Pbk	NM	023209	Mm.24337	14	6.882	8.884	6.705	6.909	7.575	7.120	7.410	8.261	8.223	8.043	8.331	7.364	7.624	8.653	7.895	6.651	6.754	6.618	6.806	6.606	6.544	6.737	6.888	6.815	
1448628	at	Scq3	NM	009130	Mm.2386	9	7.375	6.911	7.203	7.281	7.142	7.282	7.357	7.454	7.069	7.054	7.261	7.151	7.381	7.148	7.225	7.361	7.334	7.245	7.492	7.292	7.492	7.042	7.231	7.352	
1448629	at	Hs4	NM	138646	Mm.238043	5	9.167	9.489	9.037	9.234	9.248	9.055	9.029	9.422	9.579	9.261	9.783	9.511	9.410	9.064	8.894	9.134	9.613	9.240	9.020	9.025	9.273	9.540	9.141	8.942	
1448630	a at	Sdhc	NM	025321	Mm.198138	12	12.968	12.474	12.869	12.872	12.674	12.833	12.955	12.623	12.219	12.304	12.569	12.741	12.348	12.130	12.619	12.857	12.985	12.946	12.826	12.802	12.991	13.003	12.947	12.861	
1448631	a at	Hspk2	NM	010433	Mm.23790	6	10.442	10.342	10.186	10.245	10.479	10.119	10.102	10.268	10.338	10.550	10.277	10.258	10.296	10.120	10.215	10.249	10.170	10.170	10.231	10.216	10.313	10.10	9.942	10.119	10.203
1448632	at	Psmh10	NM	013640	Mm.787	8	10.546	11.248	10.252	10.811	11.270	10.936	12.965	11.365	10.791	10.683	11.568	11.325	11.036	10.944	10.861	10.281	11.119	11.156	11.006	10.864	10.956	10.966	10.554	10.477	
1448633	at	Prr3p1	NM	027328	Mm.246863	7	8.768	9.189	9.015	8.623	8.556	8.835	9.021	8.723	8.810	8.787	8.712	8.653	8.463	9.096	8.828	8.871	8.793	8.974	9.093	8.994	8.717	8.626	8.836	8.822	
1448634	at	Ralb3p1	NM	009067	Mm.17009	17	10.044	10.077	9.896	10.054	10.108	9.954	9.826	9.930	10.128	10.160	9.910	10.169	10.202	10.033	10.058	9.919	10.128	10.058	10.048	9.980	10.056	10.166	10.032	9.941	
1448635	at	Smc2	NM	008017	Mm.2999	4	7.239	9.086	7.097	7.260	7.986	7.810	7.844	7.894	8.548	8.791	8.621	7.478	7.801	9.155	8.132	7.006	6.336	6.790	7.047	6.870	6.855	6.916	7.184	6.867	
1448636	at	Myo21	NM	021508	Mm.439911	14	4.897	4.874	4.690	4.937	4.676	4.583	4.810	4.791	4.813	4.776	4.850	4.432	4.521	4.828	4.678	4.778	4.734	4.645	4.702	4.740	4.929	4.748	4.643	4.990	
1448637	at	Med25	NM	029365	Mm.157778	7	9.566	9.530	9.343	9.412	9.390	9.030	9.160	9.585	9.481	9.421	9.336	9.560	9.471	9.097	9.129	9.350	9.685	9.746	9.314	9.347	9.596	9.392	9.197	9.131	
1448638	at	Mtpb	NM	134092	Mm.390829	15	6.736	7.331	6.680	6.662	6.882	7.080	6.877	6.949	6.950	6.848	6.901	6.654	6.595	7.180	6.683	6.728	6.959	6.925	6.807	6.805	6.717	6.942	6.434	6.583	
1448639	a at	Ssna5	NM	021343	Mm.172679	3	9.359	9.315	9.350	9.340	9.345	9.190	9.451	9.288	9.297	9.371	9.603	9.409	9.341	9.355	9.360	9.526	9.392	9.234	9.288	9.257	9.410	9.385	9.498	9.355	
1448640	at	Slic14a1	NM	028122	Mm.33832	18	4.838	4.833	4.953	4.991	4.949	4.597	4.936	4.794	4.699	4.742	4.697	4.808	4.784	4.887	4.859	4.815	4.846	4.880	4.629	4.839	4.754	4.713	4.575	4.442	
1448641	at	Mbt1d1	NM	134012	Mm.210334	11	9.057	8.801	9.041	8.954	9.066	9.319	9.121	8.924	8.680	9.000	8.600	9.143	9.269	8.964	8.289	9.081	8.962	9.048	9.334	9.194	8.901	9.104	9.045	9.044	
1448642	at	Pcbp1	NM	011865	Mm.271416	6	12.511	13.033	12.643	12.585	12.680	12.505	12.499	12.548	12.856	12.730	12.743	12.721	12.718	12.892	12.611	12.625	12.428	12.538	12.408	12.477	12.582	12.469	12.532	12.475	
1448643	at	Ssna1	NM	023464	Mm.21444	2	9.824	10.299	9.806	9.772	10.181	9.834	9.879	10.216	10.382	10.168	10.332	10.156	10.239	10.159	9.937	9.689	10.191	10.251	10.044	9.960	10.170	9.945	9.795	9.668	
1448644	at	Pef1	NM	026441	Mm.20818	4	9.473	9.655	9.239	9.210	9.530	9.211	9.241	9.402	9.843	9.637	9.459	9.866	9.730	9.458	9.451	9.192	9.549	9.619	9.261	9.238	9.626	9.415	9.303	9.122	
1448645	at	Wdr12	NM	010313	Mm.258572	X	10.378	10.772	10.700	10.789	10.880	10.166	10.893	10.176	10.912	10.303	10.912	10.371	10.910	10.322	10.938	10.797	10.708	10.818	10.603	10.617	10.642	10.619	10.642	10.619	
1448646	at	Man2a1	NM	021312	Mm.28241	1	8.528	8.581	8.698	8.531	8.551	8.591	8.367	8.578	8.468	8.575	8.981	8.440	8.588	8.460	8.575	8.685	8.745	8.250	8.436	8.365	8.343	8.553	8.654	8.565	
1448647	at	Man2a1	NM	008549	Mm.2433	17	10.024	10.311	9.902	9.889	10.246	10.179	9.973	10.063	10.556	10.509	10.156	10.115	10.334	10.590	10.456	10.017	9.385	9.262	9.438	9.270	9.864	10.267	10.407	10.448	
1448648	at	QSOX05N14Rik	NM	026667	Mm.258545	5	7.590	8.393	7.469	7.638	8.161	7.816	7.463	7.710	9.057	8.745	8.801	8.352	8.311	8.481	8.218	7.810	7.623	7.716	7.819	7.520	7.635	7.497	7.303	7.309	
1448649	at	Enpep	NM	007934	Mm.1193	3	8.475	8.405	9.191	9.742	9.567	9.656	9.224	8.851	8.896	9.414	9.301	9.275	9.243	9.064	9.826	9.239	9.496	9.671	9.667	9.528	9.566	9.531	9.872	9.449	
1448650	a at	Pole	NM	011132	Mm.35061	5	7.083	8.143	7.086	7.298	7.731	7.298	7.348	7.743	7.400	7.243	7.546	7.162	7.037	7.886	7.354	7.157	7.297	7.627	7.053	7.043	7.209	7.013	7.136	6.912	
1448651	at	Nudt5	BC004571	Mm.251904	2	7.917	9.004	7.854	8.039	8.510	7.940	8.272	8.576	9.079	8.961	8.428	8.558	8.626	9.056	8.228	7.879	8.125	8.001	8.218	7.792	7.903	8.151	7.561	7.979		
1448652	at	Ifih8	NM	009376	Mm.4053	14	7.946	7.967	8.146	8.103	8.228	8.119	8.132	8.067	8.149	8.172	8.142	8.115	8.246	8.276	8.189	8.175	8.076	8.103	8.177	8.195	8.016	8.034	8.248	8.135	
1448653	at	Usp75	NM	026765	Mm.259324	7	8.938	10.245	9.249	8.759	8.842	9.130	8.929	8.723	9.861	8.725	9.657	9.864	8.725	9.289	9.927	9.555	9.745	8.250	8.436	8.250	8.363	8.250	9.363	9.363	
1448654	at	Mtch2	BI872421	Mm.28023	2	9.773	9.885	8.817	9.791	9.794	10.089	9.818	9.897	9.677	9.812	9.773	9.740	9.611	9.816	9.912	9.748	9.945	9.844	9.938	9.907	9.740	10.131	9.839	9.784		
1448655	at	Lrn1	NM	008512	Mm.271854	10	10.278	10.722	10.131	10.536	10.916	10.626	10.199	10.455	11.231	11.190	10.426	11.308	11.187	10.913	10.824	10.146	10.224	10.292	10.388	9.911	10.080	10.147	10.034	9.993	
1448656	at	Cacnb3	NM	007581	Mm.3544	15	7.262	7.818	7.146	7.498	8.205	7.272	7.100	7.807	8.741	8.258	7.755	8.729	8.741	7.736	7.698	7.267	7.249	7.397	7.196	7.257	7.305	7.218	7.088	7.061	
1448657	a at	Dnaib2	NM	020266	Mm.248776	1	11.257	10.912	11.229	11.215	10.924	10.919	11.194	10.551	10.639	10.192	10.968	10.891	10.803	10.732	10.981	11.222	11.008	11.118	11.301	11.278	11.070	10.933	11.444	11.488	
1448658	at	Sart1	NM	016882	Mm.35462	19																									

1448708	at	Med1	NM 134027	Mm.12926	11	10.022	10.036	9.982	10.163	10.020	10.017	10.013	9.757	9.823	9.885	9.900	9.906	9.948	9.843	9.973	9.968	9.998	9.797	9.961	10.010	9.849	9.904	9.931	9.817	10.118	
1448709	at	Arid1a	NM 033566	Mm.22478	4	10.731	10.720	10.540	10.675	10.847	10.696	10.603	10.399	10.830	10.900	10.816	10.846	10.909	10.846	10.909	10.684	10.744	10.601	10.721	10.902	10.650	10.681	10.806	10.693	10.725	10.757
1448710	at	Cxcr4	D87747	Mm.14011	1	5.879	6.853	5.679	6.557	6.759	6.180	6.071	5.894	7.472	7.351	6.241	6.730	7.254	6.775	7.051	5.956	6.641	6.426	6.583	6.709	6.505	5.971	5.837	5.951		
1448711	at	Mcm3ap	NM 019434	Mm.30098	10	8.936	8.524	8.320	8.337	8.494	8.255	8.066	8.225	8.481	8.515	8.110	8.396	8.243	8.297	8.184	8.400	8.439	8.194	8.188	8.089	8.267	8.490	8.241	8.41	8.188	
1448712	at	Chn1	NM 031819	Mm.257316	X	8.905	9.202	8.943	8.731	8.934	8.875	8.392	9.274	8.975	9.136	8.777	9.275	9.065	8.957	9.037	9.159	8.964	8.891	9.015	9.159	8.964	8.891	9.015	9.159	8.964	
1448713	at	Stat4	NM 011487	Mm.15523	1	6.734	6.461	6.582	6.387	6.528	6.446	6.615	6.453	6.493	6.463	6.652	6.443	6.625	6.765	6.498	6.834	6.679	6.521	6.596	7.023	6.676	6.552	6.860	6.920		
1448714	at	Rnatt	NM 011884	Mm.240024	4	8.042	7.848	8.078	8.172	7.768	8.074	8.136	7.868	7.729	7.932	7.741	7.955	7.816	7.995	7.984	8.054	7.887	7.965	8.211	8.104	7.827	7.777	8.052	8.139		
1448715	x	at	100043821	NM 010490	NA	14	11.983	12.218	12.444	12.372	12.194	12.665	12.499	11.496	11.945	12.377	12.185	12.488	12.212	11.833	12.307	12.537	11.916	12.027	12.233	12.620	11.859	11.875	12.302	12.735	
1448716	at	Hba-x	M26898	Mm.141758	11	7.510	7.301	7.385	7.399	7.182	7.176	7.307	7.316	7.247	7.281	7.378	7.173	7.080	7.215	7.117	7.264	7.378	7.180	7.285	7.440	7.398	7.294	7.251	7.428		
1448717	at	Gcdh	NM 080897	Mm.2475	8	9.143	8.592	9.477	9.183	8.759	9.124	9.059	8.298	8.018	8.318	8.460	8.877	8.315	8.138	8.950	9.494	9.249	9.257	9.192	9.265	9.336	9.224	9.297	9.525		
1448718	at	2400001E08Rik	NM 025605	Mm.30003	7	9.306	9.781	8.789	9.009	9.367	9.193	9.366	10.247	9.861	9.556	9.415	9.954	9.502	9.264	8.782	8.828	9.977	9.540	9.050	9.012	8.951	10.030	9.111	8.781		
1448719	at	Tada3l	AK003405	Mm.266811	6	6.752	6.373	6.727	6.816	6.735	6.426	6.605	6.745	6.622	6.444	6.656	6.592	6.707	6.576	6.445	6.545	6.829	6.634	6.587	6.926	6.664	6.690	6.786	6.513		
1448720	at	Lrrc40	NM 024194	Mm.358704	3	8.037	8.711	8.336	8.061	8.294	8.555	8.449	8.272	8.507	8.526	8.061	8.401	8.214	8.707	8.250	8.345	8.236	8.126	8.446	7.953	8.036	8.270	8.210	8.116		
1448721	at	D1Er16622e	NM 133825	Mm.12309	1	6.415	7.352	6.360	6.045	6.653	6.104	6.328	6.263	6.976	6.900	6.696	6.604	6.704	6.988	6.462	6.133	6.135	5.901	6.145	5.981	6.104	5.942	6.308	6.320		
1448722	s	at	Ppc5	NM 026494	Mm.27245	4	7.991	8.403	8.032	8.074	8.382	8.322	8.248	8.335	7.958	8.154	7.867	8.218	7.963	7.921	7.982	8.017	8.535	8.805	8.622	8.519	8.262	8.382	7.789	7.964	
1448723	at	Rdh7	NM 017473	Mm.6696	10	6.065	5.789	6.328	6.230	6.137	6.291	6.398	6.229	6.276	5.841	6.258	5.976	6.237	6.190	6.130	6.186	6.189	6.138	6.355	6.189	6.114	6.051	6.221	6.163		
1448724	at	Cish	NM 008995	Mm.4592	9	12.393	12.314	12.727	12.412	11.975	12.439	12.243	11.767	11.203	11.407	11.396	11.447	11.167	11.250	11.262	12.756	11.394	12.296	11.895	11.620	11.862	11.953	12.328	12.667		
1448725	at	Parq	NM 011960	Mm.15962	14	9.029	8.834	9.310	8.915	8.688	8.923	8.949	8.717	8.897	9.187	8.618	8.691	8.871	8.731	8.851	9.083	8.603	8.593	8.683	8.751	8.742	8.861	8.953	8.872		
1448726	at	Snacp2	NM 133968	Mm.28452	8	7.945	7.810	7.458	7.532	7.531	7.444	7.477	7.900	7.852	7.634	7.482	7.827	7.584	7.702	7.357	7.553	7.660	7.583	7.469	7.353	7.730	7.585	7.737	7.717		
1448727	at	Tle6	NM 053254	Mm.206764	10	8.394	8.352	8.245	8.479	8.681	8.412	8.361	8.688	8.956	8.621	8.242	8.688	8.816	8.506	8.330	8.216	9.101	8.721	8.505	8.387	8.785	8.729	8.292	8.257		
1448728	at	Nkfbiz	AB026551	Mm.247272	16	7.843	7.997	7.447	7.290	7.610	7.457	7.596	7.692	8.111	7.699	8.116	7.704	7.666	7.591	7.371	7.613	7.164	7.165	7.167	7.258	7.109	7.308	7.148	7.490		
1448729	a	at	4-Sep	NM 011129	Mm.2214	11	8.385	8.840	8.429	8.888	8.887	8.600	8.609	9.329	9.222	8.825	8.886	9.304	9.345	8.729	8.967	8.630	9.714	9.794	9.344	9.253	9.163	9.151	8.352	8.319	
1448730	at	Cpa3	NM 007753	Mm.1135	3	7.003	6.544	6.699	6.861	7.065	6.863	7.049	7.051	6.760	6.776	7.103	6.934	6.707	6.965	6.953	7.020	7.204	6.987	7.162	7.052	6.898	6.916	6.923	6.897		
1448731	at	Il10ra	NM 008348	Mm.739327	9	6.053	7.262	6.009	6.349	6.570	6.251	6.391	6.201	7.397	7.005	6.285	6.603	6.925	6.896	6.527	6.103	6.004	6.046	6.115	5.917	5.959	6.032	5.953	5.450		
1448732	at	Ctcb	M14222	Mm.236553	14	12.099	12.990	12.223	12.463	12.894	12.444	12.183	11.874	13.213	13.316	12.613	12.917	13.023	13.222	12.772	12.332	11.815	12.012	12.606	12.311	11.878	11.557	12.088	12.317		
1448733	at	Bmi1	M64279	Mm.289584	2	9.657	9.336	9.943	9.853	9.494	10.041	10.090	9.418	8.763	9.366	9.140	9.539	9.308	9.261	9.632	10.079	9.588	9.661	9.802	9.861	9.700	9.781	9.974	10.028		
1448734	at	Cp	NM 023449	Mm.132787	3	10.034	9.253	9.283	9.334	9.498	9.686	10.189	9.686	9.719	9.554	9.136	9.527	9.519	9.508	9.476	10.513	9.759	9.838	9.668	9.969	9.969	9.969	9.969	9.969		
1448735	at	BB332449	Mm.137187	X	3	10.015	9.305	10.025	9.287	9.360	9.984	9.658	8.727	8.102	9.957	9.979	9.501	9.341	7.791	9.477	10.127	9.635	9.411	9.196	9.435	6.988	10.550	9.772	9.432		
1448736	a	at	Hprt1	NM 013556	Mm.299381	X	11.712	12.144	11.635	11.523	11.718	11.666	11.630	11.810	11.966	12.049	11.855	11.679	11.755	11.966	11.602	11.724	11.560	11.339	11.578	11.412	11.466	11.516	11.558	11.474	
1448737	at	Tspan7	AF052492	Mm.18599	X	11.995	11.957	11.962	11.966	12.162	12.088	11.885	11.913	11.717	11.871	12.047	12.071	11.970	11.934	12.116	12.014	11.994	12.017	12.135	12.079	11.938	12.030	12.059	11.918		
1448738	at	Calb1	BB246032	Mm.277665	4	4.072	4.105	4.016	4.244	4.128	4.247	4.153	4.096	4.420	4.121	3.921	4.134	4.170	4.107	4.139	4.006	4.217	4.111	4.090	4.200	4.199	4.086	4.213	4.381		
1448739	x	at	Rps18	NM 01296	Mm.298745	17	12.545	13.258	12.107	12.389	12.610	12.433	12.477	13.388	12.432	12.819	12.786	12.977	12.912	12.978	12.351	12.163	13.431	13.059	12.577	12.448	13.123	13.159	12.249	11.929	
1448740	at	Ranrfr	NM 021329	Mm.371612	11	10.847	11.117	10.633	10.847	10.722	10.950	10.974	11.185	10.976	10.630	10.655	10.700	10.521	10.607	10.390	10.480	11.401	11.454	11.171	11.094	11.116	11.158	10.862	10.849		
1448741	at	Slc3a1	NM 009205	Mm.227176	17	6.489	6.469	6.440	6.362	6.149	6.662	6.582	6.472	6.260	6.033	6.451	6.249	6.308	6.310	6.452	6.474	6.349	6.207	6.426	6.651	6.541	6.433	6.477	6.429		
1448742	at	Gx2	NM 023449	Mm.132787	2	7.594	8.034	7.235	7.484	7.418	7.215	7.369	7.944	7.471	7.970	7.065	7.994	7.226	7.994	7.226	7.327	7.253	7.253	7.253	7.253	7.253	7.253	7.253	7.253		
1448743	at	Sx2l2p	NM 138744	Mm.200783	3	7.563	8.294	7.887	7.893	7.919	8.125	7.971	7.802	7.929	8.168	7.900	7.883	7.884	8.048	7.907	8.028	7.774	8.079	8.074	7.885	7.806	7.904	7.834	7.727		
1448744	at	Galsn1	BC004002	Mm.34702	8	7.431	7.875	7.492	7.266	7.824	7.296	7.474	8.759	8.078	7.934	8.044	7.739	7.963	7.996	7.534	7.458	6.951	7.294	7.317	7.080	7.265	7.190	6.962	7.192		
1448745	s	at	Lor	NM 008508	Mm.1121	3	4.781	4.888	4.813	4.846	4.787	4.817	4.607	5.178	5.438	5.132	5.788	4.996	5.112	4.827	4.882	4.426	4.967	4.720	4.864	4.844	4.836	5.013	5.021	4.676	
1448746	at	Nbn	NM 013752	Mm.20866	4	9.207	8.877	9.020	9.020	8.754	8.951	8.819	8.883	8.520	8.852	8.482	8.780	8.687	8.586	8.682	8.915	9.322	8.941	8.833	8.854	9.124	9.503	8.726	9.121		
1448747	at	Pbxo32	AF441120	Mm.292042	15	10.946	10.240	10.699	10.850	11.230	10.886	10.798	10.730	9.719																	

1448797	at	Elk3	BC005686	Mm.4454	10	9.195	9.899	9.271	9.159	9.535	9.133	9.232	9.872	10.068	10.018	9.990	9.763	9.916	9.933	9.734	9.311	9.700	9.625	9.620	9.469	9.287	9.494	8.742	8.806	
1448798	at	Eps8i3	NM 133867	Mm.108491	3	6.204	5.858	6.101	6.018	5.741	5.936	5.865	6.092	5.900	5.577	5.958	5.771	5.802	5.943	5.865	6.020	6.258	5.963	5.782	5.795	5.960	5.899	6.047	6.062	
1448799	s at	Rtn4ip1	NM 011885	Mm.358650	7	10.233	10.625	10.040	10.309	10.007	10.264	10.387	10.690	10.420	10.104	10.504	10.686	10.095	10.248	9.656	10.048	10.759	10.908	10.311	10.428	10.704	10.675	10.359	10.059	
1448800	at	Rtn4ip1	NM 130892	Mm.390253	10	7.784	7.735	8.254	8.081	7.787	8.415	8.108	7.654	7.484	7.458	7.823	7.452	7.329	7.892	7.915	8.306	7.498	7.898	8.531	8.465	7.795	7.710	8.326	8.719	
1448801	a at	Tnm4a4	NM 011592	Mm.135249	8	11.492	11.646	11.855	11.490	11.492	11.688	12.035	11.514	11.338	11.568	11.651	11.621	11.187	11.693	11.632	11.567	11.587	11.859	11.903	12.000	11.654	11.418	11.872	12.068	
1448802	at	Nuflp1	NM 013745	Mm.8170	13	8.183	8.277	8.100	7.901	8.064	8.077	8.059	8.249	8.065	8.179	8.300	8.088	8.072	8.137	8.239	8.018	8.126	8.092	8.090	7.982	8.088	8.054	8.082	8.117	
1448803	at	Golq4a	NM 018748	Mm.10409	9	11.183	10.786	10.855	11.234	11.260	10.823	11.075	11.484	10.555	10.702	10.829	11.230	10.779	10.329	10.743	10.822	11.410	11.256	10.885	10.948	11.358	11.532	11.076	11.217	
1448804	at	Cvp11a1	NM 019779	Mm.302865	5	5.842	5.752	5.670	5.656	5.622	5.476	5.722	6.039	5.687	5.633	5.729	5.552	5.764	5.753	5.682	5.667	5.835	5.650	5.627	5.544	5.851	5.766	5.816	5.839	
1448805	at	Usl1	NM 009480	Mm.8	1	7.295	7.172	7.328	7.386	7.217	7.225	7.387	7.097	7.275	7.267	7.171	7.314	7.254	7.236	7.178	7.265	7.358	7.197	7.355	7.259	7.283	7.252	7.332	7.108	
1448806	at	Mmp24	AB021226	Mm.330707	2	7.891	7.650	7.884	8.030	7.858	7.859	7.956	7.906	7.886	7.859	7.795	7.680	7.981	7.827	7.873	7.843	7.868	7.755	7.948	8.028	8.018	7.733	7.959	7.893	
1448807	at	Hrh3	NM 133849	Mm.285360	2	7.796	7.595	7.589	7.657	7.539	7.608	7.706	7.726	7.652	7.487	7.675	7.691	7.654	7.775	7.596	7.775	7.660	7.630	7.690	7.711	7.648	7.479	7.766	7.791	
1448808	a at	Nme2	NM 008705	Mm.1260	11	14.534	14.466	14.472	14.493	14.507	14.535	14.530	14.434	14.348	14.438	14.439	14.482	14.418	14.421	14.471	14.451	14.431	14.520	14.481	14.496	14.548	14.459	14.526	14.485	
1448809	at	Cse11	NM 023565	Mm.22417	2	10.958	11.219	10.962	10.997	10.801	11.073	10.945	10.836	10.959	11.070	10.997	10.826	10.768	11.206	10.801	11.052	10.808	10.861	11.135	10.982	10.644	10.876	10.679	10.952	
1448810	at	Gne	BC015277	Mm.256718	4	8.446	8.744	8.471	8.458	8.547	8.403	8.587	8.419	8.588	8.553	8.336	8.649	8.424	8.531	8.292	8.537	8.828	8.545	8.574	8.467	8.491	8.345	8.208	8.407	
1448811	at	Mrla2	NM 025302	Mm.391007	17	11.800	11.863	11.852	11.862	11.648	11.850	12.048	12.020	11.322	11.409	11.773	11.689	11.317	11.577	11.656	11.849	12.148	12.059	11.873	11.908	12.087	12.046	11.802	11.859	
1448812	at	Hpcal1	NM 016677	Mm.313619	12	10.019	10.219	10.144	9.925	9.989	9.839	9.903	9.993	10.141	10.068	10.186	10.113	10.079	10.181	10.177	10.041	9.549	9.635	9.599	9.814	9.985	9.812	10.430	10.166	
1448813	at	Aaad	NM 023383	Mm.24547	3	6.101	5.735	6.082	5.991	5.902	5.972	6.073	6.105	5.988	5.916	6.086	6.003	6.014	6.023	5.970	6.021	6.022	5.878	5.986	6.215	6.021	6.087	6.100	5.915	
1448814	at	Gab1	NM 021356	Mm.277409	8	7.423	7.323	7.448	7.493	7.301	7.564	7.319	7.547	7.173	7.215	7.399	6.923	7.366	7.454	7.321	7.711	7.508	7.244	7.679	7.706	7.421	7.302	7.516	7.630	
1448815	at	Oqo1	NM 010957	Mm.43612	6	6.774	6.800	6.479	6.653	6.817	6.659	6.865	6.787	6.796	6.824	6.818	6.856	6.697	6.772	6.650	6.519	6.906	6.993	6.690	6.828	6.740	6.768	6.623	6.556	
1448816	at	Ptals	NM 008968	Mm.2339	2	10.246	11.440	10.069	10.232	11.341	11.093	10.064	11.016	11.862	11.665	11.412	11.907	11.943	11.443	11.291	10.087	9.960	10.273	10.133	9.540	10.189	9.793	9.966	9.690	
1448817	at	Urbu1	NM 134150	Mm.203921	19	8.517	8.861	8.563	8.605	8.541	8.625	8.614	8.531	8.721	8.589	8.601	8.584	8.570	8.665	8.521	8.568	8.343	8.550	8.646	8.610	8.359	8.311	8.578	8.390	
1448818	at	Wnt5a	BC018425	Mm.287544	14	6.007	5.601	6.010	5.910	5.775	5.986	5.999	5.427	5.652	5.482	5.566	5.622	5.614	5.620	5.541	6.117	5.780	5.766	6.026	5.943	5.587	5.498	5.885	5.818	
1448819	at	Elf2s2	AA985754	Mm.377134	2	9.858	9.700	9.986	9.820	9.340	10.089	9.864	8.848	9.005	9.562	9.349	9.033	9.335	9.746	9.321	9.887	8.817	9.159	9.961	9.429	8.785	9.113	9.295	9.463	
1448820	a at	Elf2s2	AA985754	Mm.377134	2	10.651	10.851	10.388	10.279	10.379	10.116	10.353	10.689	10.565	10.538	10.442	10.523	10.250	10.446	10.276	10.243	10.284	10.383	10.134	9.974	10.626	10.724	10.232	10.166	
1448821	at	Tvr	NM 011661	Mm.238127	7	6.855	6.282	6.726	6.552	6.516	6.564	6.699	6.673	6.450	6.504	6.610	6.442	6.216	6.546	6.538	6.595	6.553	6.610	6.605	6.617	6.801	6.591	6.540	6.779	6.469
1448822	at	Psmb6	BC013897	Mm.98	11	11.800	11.899	11.667	11.698	11.537	11.570	11.733	11.870	11.782	11.600	11.729	11.796	11.551	11.655	11.436	11.585	12.138	11.972	11.760	11.727	11.935	11.946	11.551	11.451	
1448823	at	Tnfr2	NM 000907	Mm.292421	6	8.000	8.091	8.385	8.100	8.049	8.342	8.105	8.048	8.284	8.105	8.020	8.176	8.022	8.123	8.025	8.123	8.027	8.123	8.027	8.123	8.027	8.123	8.027	8.123	8.027
1448824	at	Ube2l1	NM 019586	Mm.259005	8	8.198	8.075	8.187	8.335	8.385	8.147	8.275	8.366	8.088	8.799	8.634	8.633	8.539	8.622	8.591	8.692	8.581	8.727	8.692	8.581	8.727	8.692	8.581	8.727	8.692
1448825	at	Pdk2	NM 133667	Mm.29768	11	10.431	9.780	10.487	10.612	10.258	10.449	10.337	9.789	9.333	9.603	9.852	9.693	9.854	9.380	10.257	10.633	10.761	10.716	10.584	10.791	10.804	9.754	10.735	10.729	
1448826	at	Myh6	BB481540	Mm.290003	14	15.112	15.004	15.148	15.153	15.124	15.132	15.143	15.115	14.430	14.856	14.982	15.056	14.926	14.886	15.126	15.179	15.147	15.116	15.112	15.119	15.146	15.163	15.148	15.200	
1448827	s at	Myh6	BB481540	Mm.290003	14	12.008	11.037	11.843	12.080	12.223	12.043	11.844	12.128	12.162	10.316	11.319	11.852	11.207	10.505	11.814	12.048	12.716	12.212	11.913	11.942	12.312	12.530	11.811	12.251	
1448828	at	Smc6	AV281575	Mm.173953	12	10.283	10.406	10.263	10.347	10.286	10.281	10.364	10.022	10.212	10.547	10.216	10.230	10.324	10.306	10.286	10.407	9.865	9.965	10.110	10.161	10.155	10.204	10.387	10.408	
1448829	at	Smc6	AV281575	Mm.173953	12	8.992	8.985	8.876	8.904	9.101	9.123	8.935	9.156	8.568	9.000	8.785	8.919	8.818	8.985	9.048	8.904	9.209	9.260	9.295	8.976	9.076	9.195	8.864	9.035	
1448830	at	Dusp1	NM 013642	Mm.239041	17	12.175	11.599	12.203	11.702	12.263	12.262	12.530	11.297	10.579	10.897	11.674	11.638	11.965	11.347	11.722	11.288	11.515	11.950	11.682	11.684	11.797	12.192	11.850	11.939	
1448831	at	Ctcf	NM 025292	Mm.279604	8	6.910	7.400	6.835	7.096	7.061	6.925	7.183	7.130	7.092	7.292	7.235	7.167	7.095	7.299	7.092	6.989	7.437	7.203	7.124	7.302	7.140	7.296	7.096	6.991	
1448832	a at	Cplk1	BC014804	Mm.5195	5	8.883	8.667	8.707	8.760	8.722	8.540	8.698	8.662	8.670	8.699	8.804	8.710	8.687	8.701	8.628	8.661	8.685	8.611	8.713	8.571	8.794	8.605	8.815	8.645	
1448833	at	Foxm1	NM 008021	Mm.42148	6	8.539	8.987	8.694	8.835	8.951	8.598	8.756	8.885	8.909	8.772	8.894	8.692	8.797	8.906	8.726	8.833	8.798	8.585	8.692	8.588	8.804	8.649	8.828	8.747	
1448834	at	Foxm1	NM 008021	Mm.42148	6	6.352	7.108	6.340	6.373	6.471	6.127	6.478	6.939	6.688	6.546	6.725	6.266	6.543	6.925	6.390	6.315	6.430	6.231	6.358	6.293	6.382	6.282	6.154	6.337	
1448835	at	E2f6	NM 033270	Mm.23296	12	10.968	10.757	11.320	11.246	11.072	11.371	11.176	10.879	10.292	10.729	10.872	10.930	10.655	10.812	10.996	11.342	10.973	11.276	11.327	11.266	10.981	11.118	11.149	11.315	
1448836	s at	Gpn2	NM 133884	Mm.274001	4	7.975	8.508	7.765	7.751	7.998	7.755	7.896	8.310	8.524	8.897	8.024	8.1													

1448886	at	Gata3	NM	008091	Mm.313866	2	4.466	4.121	4.256	4.456	4.329	4.421	4.480	4.411	4.282	4.298	4.420	4.339	4.244	4.508	4.480	4.272	4.438	4.426	4.518	4.485	4.534	4.383	4.383	4.234
1448887	x	Foxc1	NM	019502	Mm.220330	7	8.313	9.108	8.080	8.148	8.503	7.977	8.171	9.019	8.993	8.760	8.295	8.861	8.357	8.473	8.055	7.991	8.977	8.720	8.288	8.110	8.872	8.956	8.029	7.827
1448888	at	Pdp1r17	NM	023200	Mm.88704	1	8.821	9.266	8.905	8.938	9.198	8.859	8.935	9.003	8.998	9.028	8.697	9.188	8.974	9.016	8.857	8.878	9.263	9.132	8.999	8.831	8.906	9.177	8.647	8.674
1448889	at	Sic38a4	NM	027052	Mm.250980	15	8.856	9.203	8.679	8.580	8.921	9.303	9.411	9.604	9.083	9.785	9.668	8.911	9.116	9.296	9.097	8.817	9.062	9.299	9.444	9.112	9.324	8.993	8.968	9.005
1448890	at	Klf14	NM	009452	Mm.25938	8	10.305	9.989	9.074	9.834	10.214	9.889	9.849	9.974	9.620	9.467	10.147	9.709	8.844	9.097	9.550	10.045	9.855	10.247	9.234	9.214	9.630	10.015	10.190	9.567
1448891	at	Cfrc1	BC016551	Mm.45173	3	8.527	10.466	8.671	9.226	9.631	9.198	8.973	9.016	10.087	9.872	9.485	9.570	9.818	9.767	8.961	8.659	8.319	8.512	8.157	8.465	8.593	8.465	8.593	8.304	8.377
1448892	at	Dock7	NM	026082	Mm.260623	4	8.398	8.956	8.355	8.445	8.687	8.594	8.392	8.424	9.021	8.842	8.342	8.766	8.947	9.005	8.784	8.373	8.615	8.279	8.527	8.427	8.231	8.482	8.285	8.092
1448893	at	Ncor2	NM	011424	Mm.278646	5	9.136	9.783	8.819	9.209	9.676	8.987	8.886	9.388	9.833	9.523	9.233	9.618	9.649	9.196	9.040	9.004	9.496	9.436	9.094	8.938	9.324	9.559	9.152	8.972
1448894	at	Akr1b8	NM	008012	Mm.5378	6	8.903	10.447	8.668	8.777	9.498	8.851	8.665	9.122	10.895	10.295	9.285	9.843	10.087	10.307	9.024	8.611	8.609	8.796	8.717	8.245	8.462	8.810	8.738	8.355
1448895	a	Ctnna2	NM	009819	Mm.34637	6	5.266	5.218	5.161	5.325	5.166	5.102	5.324	5.219	5.158	5.061	5.388	5.092	5.159	5.312	5.306	5.400	5.219	5.373	5.436	5.415	5.228	5.098	5.241	5.241
1448896	at	Ptfr	NM	009838	Mm.219685	17	7.921	8.824	7.827	7.858	8.405	8.032	8.103	8.067	8.530	8.481	8.360	8.303	8.435	8.665	8.032	7.628	8.198	8.365	8.251	7.902	8.178	8.253	8.056	7.786
1448897	at	Mkx2	BT134671	Mm.101316	6	9.302	9.096	9.723	9.396	9.206	9.556	9.480	8.812	8.802	9.315	9.034	9.127	9.162	9.211	9.374	9.619	8.850	9.232	9.683	9.725	9.124	8.927	9.676	9.679	
1448898	at	Ccl9	AF128195	Mm.416125	11	6.955	7.598	6.845	6.770	6.624	6.821	6.814	6.529	7.113	7.055	7.130	6.479	6.515	7.817	6.681	6.732	6.531	6.481	6.979	6.708	6.630	6.954	7.204	7.194	
1448899	s	Rad51ap1	BC003738	Mm.204634	6	5.384	7.722	5.374	5.754	6.548	5.501	5.885	5.685	6.882	6.433	6.741	6.741	5.789	5.893	8.275	6.216	5.525	4.963	5.084	5.468	5.722	5.155	5.559	5.611	5.095
1448900	at	D16H225680E	NM	135853	Mm.265990	16	11.392	10.673	11.336	11.677	11.194	11.322	11.243	11.241	10.500	10.641	10.645	11.289	11.028	10.245	11.095	11.423	12.146	11.888	11.570	11.650	11.974	12.014	11.566	11.560
1448901	at	Cpxm1	NM	019696	Mm.5378	2	5.660	6.133	5.584	6.009	6.728	6.075	5.951	6.140	6.394	6.608	6.023	7.408	6.772	6.839	6.942	5.655	5.573	5.712	5.720	5.371	5.783	5.969	5.559	5.538
1448902	at	Ttc23	NM	025905	Mm.249356	7	6.790	6.682	6.718	6.797	6.841	6.807	6.678	7.043	7.099	6.880	6.516	7.003	6.958	6.732	6.833	6.780	6.816	6.830	6.927	6.792	6.695	6.828	6.558	6.551
1448903	at	15-Sep	NM	053102	Mm.29812	3	10.985	11.815	10.198	11.136	11.540	11.190	11.023	11.560	11.935	11.747	11.178	11.658	11.694	11.537	11.327	10.867	11.195	11.014	10.939	10.755	11.221	11.244	10.701	10.721
1448904	at	D6Wsu176e	AK016470	Mm.258484	6	9.223	9.226	9.355	9.353	9.365	9.635	9.357	9.378	9.249	9.368	9.180	9.458	9.323	9.381	9.437	9.173	9.326	9.430	9.353	9.164	9.281	9.517	9.121	9.209	
1448905	at	Nme3	NM	019730	Mm.430765	17	9.420	10.163	9.194	9.724	10.119	9.860	9.966	10.083	9.699	9.672	9.556	10.084	9.867	9.592	9.583	9.184	10.188	10.281	10.062	10.056	10.062	10.134	9.508	9.465
1448906	at	Cdh16	NM	007663	Mm.19423	8	7.228	7.222	7.573	7.530	7.462	7.552	7.605	7.324	7.312	7.157	7.335	7.390	7.356	7.187	7.438	7.506	7.414	7.540	7.525	7.164	7.643	7.439	7.121	7.653
1448907	at	Thop1	NM	022653	Mm.26995	10	7.217	7.894	7.066	7.234	7.449	7.234	7.109	7.736	7.702	7.581	7.625	7.568	7.418	7.438	7.170	7.267	7.577	7.485	7.218	7.250	7.657	7.583	7.073	6.877
1448908	at	Ppa2b	NM	080555	Mm.348326	4	10.434	10.538	10.513	10.770	10.959	10.734	10.609	10.729	10.730	10.744	10.669	10.955	10.994	10.437	10.531	10.471	10.864	11.123	10.952	10.755	10.696	10.580	10.122	10.429
1448909	a	Mrp139	NM	017404	Mm.103655	16	13.065	12.706	13.090	13.141	12.718	13.048	12.938	12.804	12.510	12.588	12.510	12.704	12.521	12.523	12.715	13.031	13.270	12.991	12.984	13.133	13.097	13.279	13.204	13.112
1448910	at	Pecr	NM	023523	Mm.281738	1	8.478	8.391	8.577	8.543	8.423	8.693	8.595	8.638	8.354	8.355	8.201	8.613	8.361	8.176	8.274	8.564	9.030	9.003	8.844	8.658	8.907	8.895	8.607	8.637
1448911	at	Atp4b	NM	009724	Mm.154039	8	8.520	8.038	8.406	8.438	8.268	8.318	8.366	8.375	8.257	8.325	8.286	8.249	8.366	8.276	8.372	8.392	8.442	8.248	8.342	8.345	8.454	8.318	8.433	8.382
1448912	at	C1qtnf1	NM	021959	Mm.277576	11	7.257	7.562	7.139	7.153	7.626	7.769	7.426	7.574	7.716	7.582	7.674	7.582	7.674	7.582	7.674	7.582	7.674	7.582	7.674	7.582	7.674	7.582	7.674	7.582
1448913	at	Usp1d1	NM	031842	Mm.273756	15	8.614	8.407	8.307	8.653	8.262	8.404	8.277	9.668	8.008	8.364	8.276	8.229	8.200	8.229	8.058	8.119	8.327	8.547	8.777	8.938	8.810	8.672	8.420	8.357
1448914	a	Cstf1	BM233698	Mm.795	3	9.133	9.174	9.001	9.228	9.152	9.226	9.166	9.472	9.207	8.977	8.740	9.339	9.279	9.206	9.045	8.968	9.409	9.612	9.207	9.155	9.316	9.272	9.041	9.213	
1448915	at	Zfp524	NM	025324	Mm.19974	7	8.025	8.137	7.893	8.312	8.106	8.006	7.995	8.067	8.359	8.163	8.672	8.336	8.220	8.039	7.913	8.022	8.426	8.153	8.017	8.141	8.312	8.373	7.969	8.041
1448916	at	Madg	BC002092	Mm.268010	11	9.770	9.983	9.482	9.563	9.846	9.473	9.381	9.574	9.779	9.726	9.952	9.789	9.744	9.565	9.649	9.622	9.536	9.253	9.208	9.430	9.749	9.855	9.685	9.705	
1448917	at	Med30	NM	027212	Mm.195562	15	9.562	9.754	9.263	9.529	9.702	9.569	9.625	9.984	9.734	9.519	9.576	9.841	9.807	9.664	9.540	9.544	10.259	9.933	9.725	9.649	10.222	10.240	9.688	9.483
1448918	at	Slc3a1	NM	023908	Mm.425467	7	10.715	10.532	11.027	10.832	10.670	10.592	10.665	10.413	10.570	10.830	10.714	10.980	10.762	10.283	10.881	11.043	10.593	10.794	10.828	10.763	10.761	10.757	10.941	11.025
1448919	at	Cd302	NM	025422	Mm.227281	2	9.016	9.430	8.461	9.096	9.427	9.176	8.698	9.503	9.704	9.370	9.095	9.504	9.609	9.253	9.042	8.639	8.929	8.603	8.938	7.942	8.901	9.163	8.320	8.161
1448920	at	Gsnab2	NM	025331	Mm.255052	11	1.253	1.760	1.100	1.236	1.643	1.288	1.439	1.793	1.622	1.932	1.920	1.938	1.727	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767	1.767
1448921	a	Mrep9	BC022587	Mm.252982	1	10.741	10.571	11.009	11.073	10.806	10.949	11.153	11.137	10.119	10.379	10.552	10.618	10.286	10.234	10.608	10.886	11.283	11.229	11.027	11.044	11.363	11.401	11.021	11.297	
1448922	at	Dusp19	NM	034438	Mm.306818	2	7.763	8.605	8.090	8.257	8.129	7.944	8.229	8.139	8.415	8.272	7.943	8.222	8.135	8.353	8.019	8.008	8.219	8.405	8.301	8.479	8.411	8.239	8.161	8.181
1448923	at	Pknox	NM	011871	Mm.277250	2	8.647	9.180	8.689	8.864	9.053	8.977	8.814	8.894	9.233	9.194	8.660	9.255	9.053	8.805	8.940	8.661	9.068	9.045	8.997	8.831	9.007	9.049	8.940	8.600
1448924	at	Tmem186	AW488762	Mm.10068	16	8.350	7.606	8.353	8.322	7.939	8.086	8.274	7.946	7.585	7.806	8.167	7.761	7.827	7.946	7.844	8.494	8.090	8.114	8.193	8.356	8.194	8.003	8.522	8.654	
1448925	at	Twist2	NM	007855	Mm.9474	1	6.863	7.783	7.694	7.718	7.759	7.780	7.714	7.761	7.715	7.704	7.897	7.822	7.895	7.789	7.968	7.522	7.7							

1448975	s	at	Ren1	NM 031192	Mm.220955	1	5.313	5.124	5.247	5.377	5.072	5.397	5.299	5.293	5.178	5.069	5.078	5.205	5.207	5.193	5.214	5.420	5.176	5.139	5.389	5.133	5.279	5.329	5.215	5.358
1448976	at	Tfip11	NM 018783	Mm.172947	5	9.125	9.591	9.015	9.393	9.436	9.186	9.243	9.322	9.247	9.141	9.156	9.541	9.371	9.320	9.243	9.202	9.492	9.496	9.216	9.247	9.473	9.464	9.179	9.075	
1448977	at	Tcfap2c	BC003778	Mm.3629	2	5.936	5.845	6.006	5.861	5.760	6.096	5.943	5.938	5.865	5.650	5.864	5.725	5.789	5.846	5.940	5.853	5.949	5.908	6.063	5.894	5.985	5.977	5.918	6.013	
1448978	at	Noef	NM 019867	Mm.435439	1	6.514	6.846	6.541	6.689	7.285	6.630	6.523	6.785	7.918	7.373	6.775	7.563	7.194	7.232	7.222	6.465	6.328	6.252	6.593	6.353	6.361	6.378	6.589	6.391	
1448979	at	Muted	NM 138063	Mm.261554	13	9.235	9.756	9.418	9.534	9.553	9.505	9.333	9.542	9.542	9.182	9.700	9.538	9.596	9.339	9.271	9.515	9.591	9.210	9.449	9.189	9.280	9.332	9.181		
1448980	at	Ghr	AB035701	Mm.375095	6	6.760	6.364	6.453	6.606	6.559	6.546	6.765	6.618	6.842	6.555	6.582	6.568	6.508	6.619	6.575	6.580	6.775	6.466	6.719	6.662	6.605	6.601	6.655	6.957	
1448981	x	Tcl1b	NM 013773	Mm.241933	12	7.818	7.510	7.715	7.762	7.644	7.766	7.656	7.727	7.750	7.621	7.801	7.484	7.728	7.738	7.597	7.759	7.656	7.731	7.752	7.810	7.835	7.574	7.782	7.795	
1448982	at	Klk6	NM 011177	Mm.3944	7	6.001	5.884	5.932	5.939	5.962	6.029	5.989	5.996	6.035	5.811	6.060	5.913	5.972	6.027	6.004	5.867	5.939	5.843	6.050	5.970	6.101	5.990	6.040	5.927	
1448983	at	Cdr14	NM 025496	Mm.46166	11	5.385	5.334	5.125	5.149	5.177	5.158	5.162	5.047	4.874	4.937	5.091	5.061	5.037	5.106	5.261	5.119	5.139	5.020	5.150	5.122	5.149	5.065	5.112	5.133	
1448984	at	Ercc4	NM 015769	Mm.287837	16	7.430	7.507	7.375	7.500	7.558	7.491	7.512	7.533	7.563	7.354	7.398	7.599	7.527	7.545	7.391	7.574	7.548	7.588	7.436	7.470	7.522	7.541	7.476	7.551	
1448985	at	Dusp22	NM 134068	Mm.289646	13	8.825	9.425	8.919	8.996	9.201	8.909	9.049	9.247	9.448	9.436	9.011	9.283	9.359	9.227	9.204	8.909	8.979	9.038	9.053	8.916	8.872	9.008	8.857	8.850	
1448986	x	Denase2a	NM 010062	Mm.350931	8	7.502	7.704	7.623	7.499	7.755	7.551	7.452	7.897	7.622	7.621	7.327	8.246	7.763	7.547	8.012	7.409	7.786	7.710	7.501	7.539	7.510	7.834	7.527	7.427	
1448987	at	Acadl	BB728073	Mm.2445	1	14.310	13.700	14.302	14.467	14.179	14.220	14.329	14.250	13.754	14.138	14.233	13.989	14.053	13.934	14.245	14.329	14.267	14.245	14.391	14.351	14.356	14.348	14.346	14.527	
1448988	at	Acadl	BB728073	Mm.2445	1	6.598	6.282	6.341	6.132	6.195	6.774	6.516	6.154	5.887	5.721	5.582	6.365	5.861	5.980	6.362	6.479	6.520	6.613	6.206	6.641	6.056	6.227	6.681	6.540	
1448989	a	Myo1b	AI255256	Mm.3390	1	9.464	9.350	9.263	9.368	9.283	9.395	9.363	9.225	9.166	9.303	9.661	9.076	9.418	9.479	9.446	9.226	9.146	8.992	9.217	9.293	9.051	9.203	9.414	9.119	
1448990	a	Myo1b	NM 021878	Mm.3390	1	8.020	8.552	8.056	7.917	8.220	8.258	8.046	8.224	8.238	8.286	8.504	8.215	8.245	8.513	8.461	8.128	8.244	7.902	8.327	8.291	8.112	8.236	8.000	8.201	
1448991	a	Ina	BC018383	Mm.276251	19	5.866	5.647	5.973	6.071	5.810	6.125	5.983	5.933	5.906	5.870	6.068	5.673	5.900	5.982	5.904	6.039	5.895	6.043	6.043	6.376	5.896	5.801	6.054	6.011	
1448992	at	Ina	BC018383	Mm.276251	19	5.008	4.560	4.843	4.888	4.797	4.938	5.136	4.982	4.639	4.809	4.796	4.829	4.848	4.728	4.938	4.854	4.875	4.866	4.915	4.790	4.922	4.835	4.886	4.689	
1448993	at	Ata3	BC010809	Mm.41775	16	10.905	11.072	10.718	10.819	10.892	10.857	10.866	11.058	10.909	11.057	10.923	11.043	10.993	11.016	10.850	10.788	11.042	10.790	10.711	10.723	11.034	11.221	10.720	10.666	
1448994	at	Sp1	BC916549	Mm.4618	15	6.631	6.963	6.454	6.730	6.685	6.702	6.736	6.737	6.891	6.807	6.872	6.836	6.793	6.613	6.778	6.766	6.586	6.915	6.940	6.320	6.521	6.795	6.811	6.846	
1448995	at	Pf4	NM 019932	Mm.332490	5	11.050	11.834	11.071	11.197	11.048	11.239	11.382	11.270	11.928	11.341	11.338	10.487	10.793	12.394	10.664	10.984	10.770	10.647	11.083	10.521	10.925	10.961	11.045	10.666	
1448996	at	Rom1	NM 009073	Mm.426094	19	7.709	7.989	7.627	8.011	7.867	7.879	7.601	8.356	7.396	7.468	7.870	7.698	7.455	7.262	7.687	7.682	8.144	8.458	8.235	8.207	8.099	8.159	7.717	8.049	
1448997	at	Cytl1	AB013464	Mm.86413	11	6.251	6.074	6.238	6.382	6.085	6.520	6.474	6.110	5.997	6.155	6.210	6.046	6.124	6.105	6.282	6.662	6.049	6.343	6.549	6.485	6.009	6.001	6.445	6.574	
1448998	at	Lpo	NM 080420	Mm.41236	11	7.256	6.839	7.129	7.295	7.207	7.087	7.107	7.131	7.208	7.028	7.154	7.171	7.185	7.194	7.201	7.070	7.179	7.242	7.156	7.280	7.198	7.197	7.209	7.307	
1448999	at	Trappc5	AV226862	Mm.29090	8	9.270	9.166	9.337	9.064	9.060	9.004	9.340	9.138	8.688	8.965	9.048	9.463	8.999	9.475	9.022	9.382	9.139	9.107	9.062	9.223	9.189	9.143	8.954	9.044	
1449000	at	D10Jhu81e	NM 138601	Mm.268691	10	13.129	12.442	13.138	13.072	12.640	12.995	12.959	12.844	11.963	12.207	12.604	12.749	12.578	12.426	12.847	13.161	13.249	13.192	12.975	13.113	13.109	13.214	13.054	12.916	
1449001	at	Ata3	NM 022222	Mm.41775	2	11.259	9.958	11.112	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	10.562	11.018	
1449002	at	Phid3a	NM 013750	Mm.34346	1	8.907	8.400	8.722	8.753	8.549	8.917	8.967	9.439	8.977	9.865	9.252	7.767	10.120	7.767	9.853	8.899	8.851	8.789	8.853	7.728	8.908	8.825	8.908	9.181	
1449003	a	Vit1b	NM 016800	Mm.265929	12	10.260	12.233	12.122	12.228	12.288	12.197	12.106	12.164	12.243	12.042	11.993	12.197	12.287	11.973	12.017	12.040	12.457	12.418	12.182	12.262	12.517	12.467	12.192	11.978	
1449004	at	Rom46	NM 023331	Mm.193181	7	10.769	10.893	10.852	10.826	10.547	10.838	10.827	10.813	10.478	10.175	10.647	10.329	10.103	10.544	10.397	10.916	10.851	11.042	10.902	11.071	10.829	10.743	10.637	10.845	
1449005	at	Slc16a3	NM 030696	Mm.28632	11	7.560	9.180	7.286	7.219	7.770	7.254	7.228	7.329	8.959	8.627	9.118	7.264	8.142	8.395	7.497	7.400	6.871	6.845	7.178	7.244	6.990	6.851	7.116	7.048	
1449006	at	Gla	NM 013463	Mm.1114	X	5.066	5.287	5.028	5.073	5.058	4.994	5.054	5.081	4.989	5.081	5.135	5.264	5.118	5.097	5.081	5.078	5.033	5.036	5.164	5.046	5.126	4.904	5.186	5.071	
1449007	at	Bta3	NM 009770	Mm.392910	16	10.404	10.795	10.338	9.954	10.551	10.242	10.198	10.389	10.897	10.874	10.242	10.107	10.675	10.490	10.725	10.834	10.354	10.283	10.544	10.507	10.361	10.464	10.134	10.520	
1449008	at	Tu1p3	NM 011657	Mm.291783	6	8.086	8.846	8.262	8.213	8.566	8.275	8.122	8.484	9.173	8.867	8.383	8.981	8.841	8.755	8.467	8.308	8.128	8.309	8.192	7.957	8.162	8.163	8.111	7.990	
1449009	at	Tct1	NM 011579	Mm.29391	13	8.775	8.663	8.425	8.521	8.852	8.736	12.976	6.033	8.719	5.738	9.975	8.896	5.812	6.562	8.048	9.245	8.056	8.631	8.596	8.831	8.424	8.986	8.186	8.986	
1449010	at	Hspa4a	NM 011020	Mm.39330	3	9.535	9.526	9.640	9.626	9.784	9.579	9.664	9.803	9.434	9.796	9.675	9.599	9.543	9.285	9.550	9.609	9.698	9.988	10.046	9.980	9.645	9.728	9.698	10.042	
1449011	at	Hsc12a7	BB732135	Mm.275800	3	9.725	9.981	9.784	9.835	9.748	9.758	9.868	9.281	9.540	9.699	9.625	9.494	9.523	9.866	9.580	9.948	9.291	9.693	9.843	9.948	9.556	9.103	9.975	10.084	
1449012	s	at	Fndc4	BC027164	Mm.292544	5	5.643	5.367	5.431	5.393	5.544	5.519	5.281	5.550	5.273	5.297	5.474	5.261	5.389	5.415	5.454	5.496	5.702	5.529	5.435	5.531	5.345	5.240	5.508	
1449013	at	Eef2k	BC003433	Mm.25997	7	8.802	8.710	8.731	8.910	8.911	8.853	8.727	8.826	8.734	8.998	8.375	9.115	9.091	8.726	9.161	8.776	8.877	8.998	8.820	8.909	8.927	8.840	8.794	8.391	
1449014	at	Lactb	NM 030717	Mm.157882	9	9.114	9.179	9.749	9.309	9.003	9.586	9.405	9.192	8.658	8.940	9.137	9.176	8.794	9.093	9.272	9.972	9.627	9.373	9.387	9.259	9.196	9.558	9.385	9.555	
1449015	at	Retnl1	NM 020509	Mm.441868	16	7.816	7.220	7.565																						

1449064	at	Tdh	NM	021480	Mm.354229	14	7.118	7.070	6.888	7.006	7.116	6.821	7.084	7.164	7.345	7.294	7.102	7.099	7.082	6.994	7.137	7.070	7.311	7.245	7.122	7.241	7.103	7.109	7.103	
1449065	at	Acco1	NM	012006	Mm.1978	12	7.925	6.578	7.380	7.823	6.851	7.682	7.772	7.572	6.521	6.728	6.411	7.502	6.682	7.052	7.536	7.458	8.757	8.908	9.298	8.482	8.305	8.372	8.449	8.341
1449066	a at	Arhgef1	NM	017402	Mm.244068	8	10.391	10.861	10.355	10.344	10.631	10.325	10.313	10.417	10.899	10.884	10.806	10.671	10.662	10.627	10.494	10.377	10.191	10.444	10.422	10.324	10.280	10.281	10.127	10.204
1449067	at	Slc2a2	NM	031197	Mm.184443	3	5.390	5.023	5.319	5.435	5.367	5.345	5.356	5.226	5.385	5.187	5.218	5.317	5.217	5.345	5.217	5.163	5.565	5.269	5.549	5.332	5.330	5.385	5.537	5.317
1449068	at	Zfp148	X88096	NM	382667	16	9.395	9.564	10.012	9.841	9.742	10.045	9.840	9.762	9.768	9.673	9.480	9.818	9.973	9.717	9.740	9.871	9.891	9.870	9.858	10.086	9.907	9.787	9.787	9.787
1449069	at	Zfp148	X88096	NM	382667	16	9.248	9.218	9.301	9.265	9.305	9.336	9.112	9.578	9.386	9.298	9.091	9.543	9.537	9.099	9.185	9.285	8.956	9.615	9.230	9.334	9.609	9.666	9.058	9.137
1449070	x at	Accd1	BB770932	Mm.391102	18	6.589	7.669	6.965	6.970	7.638	7.752	6.973	7.806	8.661	8.622	7.230	8.527	8.549	7.778	7.359	7.088	7.137	7.069	7.055	6.768	6.622	6.948	6.149	6.494	
1449071	at	Myl7	NM	022879	Mm.46514	11	5.748	6.126	5.595	5.844	5.864	11.891	6.032	6.016	5.770	7.793	6.257	11.005	8.676	7.322	11.248	6.050	7.892	12.263	7.434	5.969	10.520	6.035	5.658	5.645
1449072	a at	N6amt2	NM	026526	Mm.452225	14	10.210	10.593	10.114	10.314	10.330	10.462	10.362	10.429	10.446	10.155	9.949	10.230	10.211	10.183	10.086	9.998	11.030	10.873	10.497	10.516	10.808	10.828	10.239	10.182
1449073	at	Finc	NM	026839	Mm.39046	6	10.793	11.582	10.585	10.388	11.031	10.679	11.104	11.159	11.279	11.337	12.893	10.983	10.996	11.889	11.464	10.671	9.993	10.697	10.829	10.443	10.083	9.983	10.485	11.054
1449074	at	1700019N12Rik	NM	025953	Mm.251306	9	5.016	4.495	4.523	4.449	4.586	4.534	4.622	4.494	4.276	4.600	4.746	4.554	4.508	4.617	4.564	4.597	4.617	4.593	4.675	4.940	4.412	4.440	4.726	4.674
1449075	at	Exo12	NM	133798	Mm.206631	12	8.632	8.174	8.739	8.651	8.624	8.622	8.638	8.318	8.331	8.618	8.413	8.551	8.531	8.466	8.709	8.639	8.801	8.551	8.653	8.786	8.643	8.613	8.805	8.949
1449083	at	Ccd91	AA067702	Mm.209774	6	7.995	8.008	8.113	8.190	8.708	8.241	8.127	8.246	8.034	8.029	8.465	8.199	7.933	8.137	8.871	8.259	8.373	8.344	8.270	8.235	8.320	8.342	8.088	8.169	
1449077	at	Eraf	NM	132345	Mm.423023	NA	7.234	5.778	7.236	6.935	7.159	7.112	7.059	7.178	7.353	7.240	7.290	7.281	7.032	7.485	7.051	7.441	7.220	7.215	7.140	7.065	7.174	7.380	7.079	7.432
1449078	at	St3qa16	NM	018784	Mm.212742	16	9.073	8.886	9.254	9.085	8.941	9.444	9.318	9.151	8.368	9.009	8.547	9.163	8.993	9.101	9.093	9.383	9.212	9.825	9.254	9.287	9.065	9.306	9.215	9.403
1449079	s at	St3qa16	NM	018784	Mm.212742	16	8.932	8.830	8.945	8.965	8.884	9.276	9.128	8.887	8.429	8.702	8.447	8.761	8.894	8.744	8.709	8.983	8.936	8.916	8.983	8.951	8.777	8.978	9.111	8.933
1449080	at	Hdac2	NM	008229	Mm.19806	10	8.755	9.066	8.834	8.849	8.709	8.935	8.844	8.976	8.644	8.812	8.546	8.844	8.630	8.595	8.934	8.822	9.092	8.888	8.849	8.655	9.001	9.403	8.859	8.994
1449081	at	Ces3	NM	053200	Mm.292803	8	9.797	7.478	9.159	10.433	9.193	10.908	10.439	7.979	6.752	6.984	7.866	9.171	7.841	8.701	9.888	9.280	11.362	11.010	10.842	10.993	11.240	11.461	10.979	11.437
1449082	at	Mfa05	NM	015776	Mm.41931	6	9.927	11.739	9.911	9.751	12.127	10.328	9.307	11.573	12.848	12.672	11.801	12.439	12.774	11.903	12.421	9.845	8.654	9.127	9.840	8.793	9.131	9.088	9.461	9.215
1449084	s at	Sh3d19	NM	012059	Mm.2454	3	9.556	10.067	9.787	9.656	10.505	10.013	10.349	10.162	10.958	11.169	10.107	10.841	10.883	10.548	10.545	9.528	9.500	9.526	9.760	9.416	9.441	9.645	9.941	9.551
1449085	at	Phf10	NM	042250	Mm.440085	17	9.732	9.951	9.686	10.018	9.826	9.868	9.861	9.786	9.829	9.845	9.900	9.928	9.950	9.951	9.820	9.781	9.957	9.925	9.960	9.967	9.850	9.992	9.963	9.866
1449086	at	Rnf141	AF353167	Mm.96867	7	8.118	8.490	8.107	8.113	8.289	8.360	8.210	7.885	8.219	8.277	8.162	8.805	8.079	8.407	8.079	8.133	7.920	8.126	8.210	8.291	7.928	7.774	8.238	8.095	
1449087	at	Rnf141	AF353167	Mm.96867	7	6.880	7.515	7.014	6.812	7.097	7.063	7.052	6.912	7.382	7.229	7.023	7.080	6.898	7.193	7.005	6.898	6.719	6.881	7.081	6.942	6.825	6.632	6.744	7.169	
1449088	at	Fbo2	NM	007994	Mm.391871	13	9.453	8.541	9.737	9.865	8.428	9.923	9.696	8.906	7.606	7.890	8.518	8.615	8.271	8.814	9.021	9.679	9.605	9.842	10.147	9.833	9.247	9.327	9.582	9.609
1449089	at	Nrip1	NM	008735	Mm.74711	16	9.426	9.274	9.195	9.312	9.564	9.462	9.282	9.471	9.301	9.450	10.218	9.505	9.499	9.168	9.579	9.254	9.755	9.531	9.650	9.597	9.685	9.788	9.179	9.708
1449090	a at	Nrip1	NM	008735	Mm.74711	16	9.426	9.274	9.195	9.312	9.564	9.462	9.282	9.471	9.301	9.450	10.218	9.505	9.499	9.168	9.579	9.254	9.755	9.531	9.650	9.597	9.685	9.788	9.179	9.708
1449091	at	BC003868	Mm.25836	14	9.941	9.775	7.582	9.020	7.760	9.593	8.768	9.701	8.820	7.679	8.020	7.679	8.020	7.679	8.020	7.679	8.020	7.679	8.020	7.679	8.020	7.679	8.020	7.679	8.020	7.679
1449092	at	Ppm1d	NM	016910	Mm.45609	11	7.169	6.981	7.158	7.022	7.050	7.105	7.002	6.968	6.799	6.964	6.683	7.193	7.089	7.034	7.189	7.127	7.061	7.037	7.056	7.118	7.076	7.015	7.119	7.267
1449093	at	Ctf1	NM	007795	Mm.389954	7	9.620	8.954	8.985	9.641	9.181	9.796	9.792	8.949	8.405	8.862	8.789	9.087	9.052	9.077	9.412	9.808	9.789	9.588	9.624	6.994	9.746	9.760	9.909	9.602
1449094	at	Gjc1	NM	008122	Mm.390369	11	9.023	9.280	9.177	9.002	9.432	9.191	9.047	9.190	9.028	9.183	9.118	9.337	9.546	9.402	9.394	9.151	9.445	9.167	9.360	9.258	8.951	9.041	8.978	9.023
1449095	at	Vps54	NM	139061	Mm.170103	11	10.037	9.783	10.130	9.871	9.810	10.173	10.236	9.330	9.464	9.887	8.992	8.995	9.841	9.922	10.148	10.344	9.437	9.826	10.062	10.116	9.753	9.901	10.229	10.353
1449096	at	Ccdc127	NM	042201	Mm.101586	13	9.729	9.969	10.032	9.941	9.771	9.804	9.816	9.611	9.702	9.898	9.841	9.581	9.737	9.850	9.624	10.086	9.695	9.926	9.836	9.861	9.804	9.924	9.957	9.972
1449097	at	Txnrd2	NM	013711	Mm.390106	16	9.674	9.535	9.624	9.686	9.585	9.691	9.692	9.508	9.107	9.424	9.477	9.415	9.331	9.396	9.426	9.598	9.759	9.826	9.685	9.796	9.788	9.680	9.753	9.905
1449098	at	Pcm1	NM	023662	Mm.170392	18	7.392	7.298	7.243	6.155	7.472	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143	7.212	7.143
1449099	at	Lrba	NM	030695	Mm.439825	3	9.421	9.216	9.503	9.533	9.543	9.630	9.591	9.284	9.040	9.069	9.284	9.406	9.342	9.313	9.322	9.640	9.459	9.648	9.559	9.729	9.448	9.595	9.693	9.808
1449100	at	Pdr6a	NM	019695	Mm.427753	8	7.603	8.096	7.541	7.754	7.823	7.757	7.575	7.857	7.822	7.718	7.436	7.872	7.796	7.831	7.532	7.584	8.021	8.178	7.927	7.877	7.849	7.970	7.543	7.500
1449101	at	Ebf2	U71189	Mm.319947	14	5.547	5.770	5.731	5.854	5.971	5.743	5.789	5.572	6.022	6.079	5.783	5.996	5.960	5.858	6.058	5.977	5.719	5.772	5.755	5.500	5.694	5.843	5.532	5.880	
1449102	at	Ebf2	U71189	Mm.319947	14	6.589	6.491	6.435	6.622	6.601	6.936	6.654	6.973	6.919	7.119	6.483	7.015	6.682	7.029	6.936	6.687	6.684	6.372	6.840	6.740	6.412	6.647	6.353	6.451	
1449103	at	Tex101	NM	019981	Mm.23385	7	6.401	6.439	6.263	6.362	6.294	6.228	6.314	6.281	6.275	6.096	6.405	6.057	6.305	6.350	6.137	6.255	6.292	6.421	6.566	6.373	6.494	6.475	6.475	6.319
1449104	at	Uspk3a	NM	023478	Mm.46214	15	5.591	5.591	5.479	5.706	5.529	5.288	5.585	5.526	5.356	5.268	5.232	5.247	5.335	5.166	5.238	5.523	5.599	5.176	5.217	5.394</				

1449153	at	Mmp12	BC019135	Mm.2055	9	5.875	5.641	5.855	6.115	6.211	5.707	5.696	5.475	6.157	5.862	6.306	5.520	5.648	6.355	5.759	5.721	5.507	5.744	5.798	5.805	5.597	5.599	5.740	5.690
1449154	at	Col11a1	NM 007729	Mm.209715	3	4.565	4.435	4.372	4.406	8.455	5.393	4.403	4.913	9.580	9.441	5.232	8.556	8.158	6.301	8.685	4.699	4.270	4.438	4.384	4.358	4.557	4.180	4.213	4.209
1449155	at	Polr3a	NM 026190	Mm.279781	13	7.601	8.098	7.879	7.869	8.248	7.901	7.727	7.801	7.894	8.101	8.017	8.127	8.176	8.415	7.850	5.620	7.670	7.702	7.698	7.754	7.598	7.672	7.855	7.800
1449156	at	Ly9	NM 008534	Mm.560	1	5.940	6.152	5.699	5.705	5.283	5.848	5.942	5.469	5.951	6.129	5.894	5.577	5.784	5.954	5.696	5.687	5.749	5.763	5.889	5.952	5.879	5.713	5.952	5.855
1449157	at	Nr2c1	NM 011630	Mm.107483	10	6.247	6.305	6.306	6.312	6.197	6.730	6.391	6.457	5.992	6.138	6.295	6.110	6.249	6.319	6.326	6.455	6.211	6.391	6.308	6.248	6.085	6.274	6.085	6.074
1449158	at	Kcnk2	NM 010607	Mm.33304	1	7.872	8.271	6.911	7.040	7.336	7.325	7.117	7.648	7.605	7.231	7.909	7.226	7.599	7.249	6.909	7.041	6.915	6.842	7.105	6.752	7.102	7.252	7.202	7.200
1449159	at	Gnkb	NM 013530	Mm.68889	6	7.543	7.356	7.437	7.586	7.591	7.577	7.576	7.534	7.276	7.495	7.467	7.563	7.508	7.497	7.738	7.517	7.910	7.830	7.693	8.039	8.452	7.443	7.851	7.689
1449160	at	Npr1	J05504	Mm.4627	3	5.612	5.606	5.791	5.694	5.696	5.748	5.466	6.334	5.750	6.047	6.037	5.890	5.688	5.483	5.815	5.589	6.062	6.023	5.486	5.619	5.736	5.775	5.628	5.708
1449161	at	Edn2	NM 007902	Mm.284855	4	5.475	5.323	5.419	5.489	5.501	5.412	5.521	5.517	5.725	5.377	5.497	5.468	5.441	5.414	5.493	5.344	5.363	5.238	5.484	5.538	5.806	5.300	5.439	5.415
1449162	at	Pop7	NM 028753	Mm.290242	5	7.686	8.677	7.893	7.869	7.988	7.761	7.952	8.644	8.363	8.106	8.164	8.208	7.954	8.079	7.534	7.701	8.595	8.260	8.059	7.968	8.367	8.389	7.818	7.633
1449163	at	Slc1rr	NM 023059	Mm.38017	7	7.979	7.986	7.982	7.893	7.772	7.959	7.895	8.044	7.942	7.988	7.713	7.999	8.165	7.942	8.046	7.899	8.066	8.159	7.939	7.988	8.232	8.243	8.073	7.962
1449164	at	Cd8b	BC021637	Mm.15819	11	8.156	10.390	8.139	8.669	8.838	8.645	8.695	8.749	10.116	9.373	9.035	8.778	8.705	10.350	8.228	8.182	8.248	7.994	8.618	7.636	8.341	8.541	7.782	7.960
1449165	at	Lcn5	BC014767	Mm.326847	7	7.406	7.049	7.323	7.426	7.109	7.148	7.494	7.308	7.199	7.042	7.206	7.159	7.116	7.250	7.281	7.333	7.375	7.224	7.289	7.475	7.714	7.214	7.339	7.084
1449166	at	Sd00a14	NM 025393	Mm.24006	3	6.655	6.306	6.735	6.847	6.600	6.535	6.749	6.483	6.683	6.527	6.651	6.556	6.421	6.448	6.676	6.612	6.735	6.731	6.630	6.719	6.594	6.675	6.644	6.681
1449167	at	Epb4.114a	NM 013512	Mm.3465	18	9.098	9.113	9.099	9.057	9.228	9.284	9.240	8.998	8.912	9.114	8.868	9.011	8.974	8.957	8.935	9.035	9.203	9.437	9.318	9.302	9.132	9.038	9.188	9.034
1449168	a at	Akap2	BC003735	Mm.331630	4	11.102	12.280	10.714	10.663	11.558	10.657	10.597	11.230	12.219	12.222	12.319	12.058	11.850	11.902	11.647	10.626	10.534	10.566	10.509	10.364	10.434	10.759	10.652	10.849
1449169	at	Has2	NM 008216	Mm.5148	15	5.405	5.284	5.040	5.023	4.936	5.008	4.986	5.085	5.610	5.041	5.980	4.855	4.994	5.500	5.320	5.084	4.866	5.123	5.165	4.824	4.882	4.885	4.903	5.079
1449170	at	Pwll2	NM 021308	Mm.85253	14	4.809	4.710	4.757	4.777	4.775	4.612	4.700	4.692	4.993	4.681	4.490	4.620	4.755	4.614	4.867	4.890	4.746	4.720	4.906	4.745	4.759	4.759	4.838	4.838
1449171	at	Ttk	NM 009445	Mm.1904	9	6.608	7.672	6.513	6.614	6.488	6.917	6.779	7.387	7.413	7.388	7.413	6.358	6.609	7.442	7.142	6.552	6.590	6.414	6.617	6.609	6.708	6.597	6.724	6.652
1449172	a at	Lin7b	NM 011698	Mm.20472	7	4.296	4.266	4.317	4.393	4.397	4.446	4.387	4.400	4.144	4.231	4.250	4.691	4.386	4.324	4.322	4.206	4.730	4.903	4.526	4.728	4.898	4.386	4.477	4.617
1449173	at	Mpn2	NM 016695	Mm.36242	11	8.427	7.963	8.286	8.368	8.266	8.369	8.314	8.280	8.282	8.098	8.338	8.172	8.366	8.301	8.243	8.295	8.243	8.424	8.466	8.593	8.409	8.149	8.372	8.503
1449174	at	Arl4	NM 026639	Mm.31840	6	6.723	6.154	6.802	6.466	6.624	6.655	6.626	6.279	6.015	6.314	5.995	6.573	6.597	6.201	6.652	6.902	7.427	7.228	7.114	7.085	6.942	7.065	6.922	6.552
1449175	at	Gpr65	NM 008152	Mm.378924	12	4.646	5.999	4.638	4.694	5.323	4.822	5.082	4.880	6.172	5.585	5.229	5.233	5.855	5.638	5.057	4.743	4.320	4.551	4.332	4.452	4.351	4.623	4.459	4.247
1449176	a at	Dck	NM 007832	Mm.298892	5	5.688	7.699	5.932	6.059	6.474	6.448	6.504	6.568	6.789	6.957	6.451	6.343	6.191	7.277	6.330	5.849	5.831	5.839	6.062	5.721	5.585	6.002	5.743	5.898
1449177	at	Ccna1	NM 007628	Mm.4815	3	4.268	4.262	4.345	4.331	4.205	4.150	4.317	4.505	4.437	4.188	4.426	4.349	4.356	4.350	4.309	4.279	4.277	4.336	4.329	4.358	4.556	4.399	4.364	4.373
1449178	at	Pdlm3	NM 016798	Mm.282900	8	11.408	10.460	10.683	10.071	10.754	10.878	10.793	10.651	10.871	11.068	10.526	10.647	10.566	10.605	11.104	10.725	10.272	10.628	10.761	10.257	10.231	10.357	10.244	11.160
1449179	at	Nr3a2	NM 014548	Mm.108883	1	5.521	5.521	5.521	5.521	5.521	5.772	5.772	5.772	5.536	5.470	5.784	5.807	5.662	5.750	5.624	5.530	5.764	5.695	5.768	5.695	5.758	5.571	5.839	5.839
1449180	at	Kcmf1	BC017175	Mm.29145	6	9.669	9.152	9.656	9.550	9.345	9.667	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987	9.093	8.987
1449181	at	Fech	NM 007998	Mm.1070	18	10.548	9.969	10.851	10.511	10.163	10.514	10.392	10.498	9.752	10.088	9.977	10.311	10.045	10.010	10.294	10.841	10.815	10.477	10.398	10.612	10.732	11.035	10.682	10.605
1449182	at	Retn	NM 022984	Mm.1181	8	7.914	7.635	7.638	7.814	7.738	7.774	7.773	7.907	7.818	7.767	7.902	7.696	7.780	7.813	7.808	7.820	7.963	7.777	7.818	7.919	7.847	7.742	7.700	7.662
1449183	at	Comt1	NM 007744	Mm.100940	16	11.512	11.820	11.636	11.682	12.151	11.534	11.576	11.907	12.003	12.046	11.802	12.199	12.216	11.857	12.066	11.608	12.305	12.306	11.977	11.918	12.117	12.021	11.866	11.852
1449184	at	Palvpr1	NM 009402	Mm.21855	7	6.236	6.241	5.998	6.458	5.899	5.978	5.989	6.038	5.949	5.538	6.202	5.733	5.795	6.109	5.663	6.158	5.912	5.771	5.934	5.809	6.044	6.078	5.817	6.314
1449185	at	Crx	NM 007770	Mm.441195	7	7.394	7.123	7.143	7.256	7.791	7.135	7.287	7.250	7.253	6.958	7.365	7.006	7.211	7.176	7.282	7.250	7.094	7.230	7.187	7.348	7.283	7.239	7.363	7.283
1449186	at	Ba4	NM 026121	Mm.118400	8	7.092	7.593	6.959	6.880	7.279	7.006	7.147	7.152	7.459	7.205	7.164	7.367	7.194	7.256	6.994	7.083	7.037	7.105	7.110	7.002	7.174	7.393	7.022	6.781
1449187	at	BR371842	NM 026121	Mm.118400	8	7.092	7.593	6.959	6.880	7.279	7.006	7.147	7.152	7.459	7.205	7.164	7.367	7.194	7.256	6.994	7.083	7.037	7.105	7.110	7.002	7.174	7.393	7.022	6.781
1449188	at	Midn	NM 021565	Mm.134813	10	8.907	9.080	8.810	8.706	9.077	8.821	8.545	8.594	8.726	8.716	9.217	8.627	8.771	8.836	8.857	8.925	7.966	8.346	8.608	8.428	8.664	8.739	9.486	9.414
1449189	at	BC003266	NM 030250	Mm.139607	4	10.280	10.673	10.340	10.478	10.376	10.430	10.474	10.380	10.343	10.373	10.311	10.314	10.182	10.147	10.273	10.444	10.475	10.633	10.597	10.614	10.344	10.102	10.389	10.395
1449190	a at	Entpd4	NM 026174	Mm.291443	14	10.977	10.616	10.583	10.767	10.823	11.136	10.775	10.877	10.787	10.916	10.548	10.615	10.629	10.725	11.124	10.629	10.678	11.114	11.466	10.772	11.031	11.228	10.937	11.477
1449191	at	Wfdc12	NM 138684	Mm.6433	2	8.135	7.793	8.051	8.038	7.981	8.000	8.006	8.072	8.295	7.795	8.148	7.720	7.893	7.938	7.909	7.996	8.064	8.067	8.044	7.969	8.073	7.956	8.098	7.965
1449192	at	Atf7ip	NM 019426	Mm.173271	6	8.647	9.183	8.636	8.695	8.766	9.040	8.947	8.760	9.089	8.973	8.485	8.847	8.634	8.933	8.798	8.747	8.565	8.819	8.807	8.753	8.730	8.914	8.852	8.769
1449193	at	Cd5f1	NM 009690	Mm.6676	3	6.622	6.796	6.682	6.533	6.327	6.25																		

1449242	s	at	Hra	NM	053176	Mm.358794	16	8.295	7.785	8.217	8.122	7.877	7.915	8.143	7.799	8.125	7.748	7.930	8.102	7.925	8.110	7.912	8.047	8.138	8.233	8.005	7.883	8.177	8.108		
1449243	a	at	Rps19	NM	023133	Mm.300281	7	11.760	12.734	11.708	11.814	11.841	12.075	12.008	12.435	12.758	12.330	12.092	12.198	12.090	12.616	11.950	11.772	12.443	12.200	11.953	11.922	11.939	12.158	11.717	11.651
1449244	at		Cdn2	BC022107	Mm.257437		18	12.118	12.398	11.990	11.938	12.148	11.769	11.779	11.737	12.376	12.325	11.778	12.086	12.131	12.019	11.926	12.014	11.740	11.815	11.940	11.558	11.683	11.728	11.762	11.533
1449245	at		Rin2c	NM	010350	Mm.39090	11	6.626	6.089	6.399	6.475	6.498	6.185	6.511	6.428	6.486	6.204	6.473	6.312	6.249	6.274	6.226	6.538	6.620	6.477	6.508	6.337	6.549	6.406	6.268	
1449246	at		Bun2b	NM	017559	Mm.2550	7	7.815	7.981	7.717	7.795	7.825	7.840	7.760	7.910	8.033	8.029	7.989	7.879	7.880	7.955	7.929	7.880	7.953	7.682	7.830	7.871	7.932	7.713	7.852	
1449247	at		Acr12a	NM	025513	Mm.30958	4	6.092	6.000	5.985	6.098	5.939	5.783	5.998	5.238	6.012	5.959	5.974	5.855	5.938	6.239	5.887	5.935	6.012	6.038	5.877	6.001	6.101	5.986	6.141	5.908
1449248	at		Cln2	NM	009900	Mm.177761	16	5.300	5.367	5.308	5.655	5.805	5.341	5.437	5.535	5.381	5.659	5.193	5.766	5.643	5.450	5.553	5.493	5.821	5.588	5.822	5.817	5.836	5.822	5.446	5.479
1449249	at		Pcdh7	NM	018764	Mm.332387	5	7.596	8.871	7.549	7.666	8.304	8.182	8.150	8.457	8.904	8.910	8.434	8.602	8.623	8.464	8.583	7.694	8.440	8.283	8.453	8.240	8.263	8.303	7.867	7.942
1449250	at		Prcc	NM	033573	Mm.35089	3	7.150	7.168	7.040	7.024	6.987	7.098	7.048	6.662	6.852	6.838	6.691	6.830	6.946	6.852	6.803	6.783	6.883	7.189	7.139	6.994	7.060	6.908	7.756	7.289
1449251	at		Ndp	NM	010883	Mm.5014	X	6.005	5.584	5.720	5.890	5.916	5.842	5.806	5.891	5.491	5.799	5.918	5.677	5.775	5.595	5.807	5.754	5.912	5.794	5.987	5.884	6.052	5.824	5.911	5.874
1449252	at		9030611O19Rk	NM	027828	Mm.248938	12	6.534	6.207	6.236	6.295	6.162	6.278	6.451	6.144	6.130	6.257	6.375	6.242	6.347	6.174	6.254	6.190	6.280	6.382	6.318	6.267	6.272	6.593	6.448	6.355
1449253	at		Smc1b	NM	080470	Mm.182737	15	7.784	7.442	7.543	7.537	7.537	7.521	7.618	7.435	7.379	7.476	7.519	7.307	7.432	7.551	7.460	7.489	7.508	7.527	7.631	7.871	7.522	7.430	7.638	7.622
1449254	at		Spp1	NM	009263	Mm.288474	5	9.230	12.622	8.498	8.212	10.505	9.606	7.309	9.257	12.774	11.998	9.813	9.510	10.326	13.005	9.532	8.598	5.441	7.293	10.598	5.669	6.600	6.157	5.244	5.680
1449255	a	at	Rpl15	NM	025586	Mm.2050	14	13.734	14.425	13.693	13.749	13.846	13.846	13.841	13.936	14.242	14.073	13.940	13.997	13.978	14.230	13.834	13.695	13.851	13.871	13.799	13.764	13.784	13.780	13.658	13.544
1449256	a	at	Rab11a	BC010722	Mm.1387		9	10.946	11.561	10.838	10.736	11.108	10.927	10.902	11.313	11.590	11.484	11.304	11.237	11.345	11.476	11.180	10.823	10.839	10.775	10.953	10.815	11.002	11.097	10.913	10.740
1449257	at		D11Wsu99e	AV225714	Mm.351688		11	7.520	7.709	7.555	7.542	7.542	7.465	7.386	7.768	7.716	7.857	7.868	7.760	7.770	7.818	7.642	7.558	7.825	7.809	7.751	7.599	7.578	7.845	7.671	7.865
1449258	at		D11Wsu99e	AV225714	Mm.351688		11	8.760	9.510	8.405	8.705	9.049	8.551	8.650	9.347	9.403	8.844	8.990	9.108	9.022	8.882	8.586	8.502	9.197	9.061	8.563	8.528	9.032	8.983	8.415	8.547
1449259	at		Rab3d	BB349707	Mm.260157		9	8.129	8.311	8.414	8.483	8.536	8.243	8.299	8.487	8.683	8.612	8.807	8.677	8.746	8.447	8.604	8.302	8.590	8.407	8.441	8.296	8.536	8.772	8.800	8.225
1449260	at		Rab3d	BB349707	Mm.260157		9	6.404	6.026	6.561	6.380	6.413	6.182	6.379	6.163	6.239	6.267	6.362	6.248	6.488	6.187	6.422	6.251	6.269	6.341	6.484	6.472	6.297	6.385	6.257	6.308
1449261	at		Pbx2	NM	017463	Mm.390957	17	7.423	7.339	7.672	7.644	7.541	8.086	7.721	7.460	7.478	7.688	7.660	7.395	7.413	7.850	7.922	7.671	7.581	7.603	7.695	7.777	7.678	7.779	7.872	7.707
1449262	s	at	Lin7c	BB704337	Mm.235300		2	6.369	6.266	6.458	6.458	6.057	6.712	6.242	6.194	6.147	6.391	6.168	6.167	6.279	6.519	6.624	6.638	6.160	6.241	6.552	6.613	6.386	6.441	6.520	6.796
1449263	at		Ufm1	NM	026435	Mm.28917	3	9.194	9.812	9.316	9.201	9.386	9.375	9.240	9.363	9.795	9.782	9.332	9.661	9.546	9.588	9.472	9.155	9.120	9.227	9.315	9.209	9.113	9.271	9.179	9.222
1449264	at		Sytl1	BC025207	Mm.379376		3	5.811	5.860	5.785	5.823	5.927	5.838	5.650	5.711	5.874	6.057	5.842	5.893	6.016	5.909	6.037	5.755	5.536	5.428	5.873	5.758	5.634	5.576	5.793	5.952
1449265	at		Casp1	BC008152	Mm.1051		9	7.632	7.976	7.496	7.480	7.500	7.544	7.848	7.576	7.804	7.666	7.606	7.360	7.608	8.080	7.500	7.352	7.527	7.289	7.349	7.202	7.388	7.304	7.155	7.183
1449266	at		Mecp2	BC027153	Mm.131408	X	7	6.699	7.613	7.520	7.698	7.539	7.610	7.784	7.768	7.604	7.575	7.818	7.677	7.459	7.660	7.827	7.648	7.903	7.920	7.617	7.735	7.999	7.824	7.765	7.708
1449267	at		Chd1	BC006876	Mm.245355		7	8.975	9.282	9.204	9.046	9.035	8.932	9.094	8.890	9.581	9.663	9.302	9.302	9.240	9.412	9.041	9.129	8.954	9.333	9.312	9.248	9.035	8.880	8.967	8.999
1449268	at		Gp1	BB347356	Mm.255492		6	7.606	7.657	7.916	7.925	7.916	7.925	7.916	7.467	7.468	7.457	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437	7.437
1449269	at		Ctcf	NM	027976	Mm.12900	5	5.292	5.322	5.199	5.116	5.075	5.386	5.250	5.231	5.231	5.081	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032	5.032
1449270	at		Pikcd2	BB559706	Mm.313938		2	7.573	7.466	7.347	7.584	7.920	7.497	7.449	7.793	8.344	7.967	7.473	8.144	8.486	7.582	7.847	7.384	8.141	7.821	7.747	7.755	7.696	7.797	7.615	7.454
1449271	a	at	Hebp2	NM	019487	Mm.35551	10	7.133	6.792	7.073	6.853	6.939	7.045	7.013	7.241	7.509	6.956	7.073	7.073	7.557	7.182	6.995	7.047	6.889	7.181	7.067	7.198	6.855	6.648	6.678	6.639
1449272	at		Cadm3	AY059393	Mm.330524		1	7.776	7.360	7.614	7.800	7.536	7.586	7.683	7.628	7.595	7.398	7.677	7.507	7.641	7.593	7.594	7.707	7.738	7.568	7.634	7.743	7.464	7.445	7.714	7.673
1449273	at		Cyflp2	NM	133769	Mm.154358	11	9.831	9.677	9.789	10.240	8.361	9.913	9.891	9.666	8.006	7.799	9.155	10.119	9.812	9.151	9.516	9.835	7.558	9.852	9.607	9.791	8.267	8.003	9.880	7.727
1449274	at		2310038H17Rk	AK009675	Mm.46394		1	7.719	8.567	8.490	8.481	8.554	8.531	8.412	7.970	8.595	8.582	7.904	8.388	8.452	8.517	8.336	8.474	8.093	8.310	8.631	8.422	8.121	7.846	8.348	8.245
1449275	at		2310038H17Rk	AK009675	Mm.46394		1	6.966	7.708	7.141	7.265	7.286	7.299	7.410	7.048	7.592	7.662	7.005	7.321	7.378	7.554	7.150	7.274	7.234	7.268	6.994	7.154	7.085	7.154	7.085	7.105
1449276	at		2310038H17Rk	AK009675	Mm.46394		15	7.813	6.737	6.882	6.055	6.937	6.323	7.922	6.166	6.496	5.880	5.457	5.542	5.750	5.690	5.928	6.075	6.105	6.083	6.000	6.037	6.075	6.075	6.075	6.075
1449277	at		Ccl19	NM	011888	Mm.427440	4	7.823	7.261	7.499	7.752	7.389	8.053	7.670	7.479	7.255	7.443	7.480	7.401	7.430	7.348	7.369	7.544	7.449	7.583	7.363	7.324	7.566	7.475	7.541	7.497
1449278	at		Eif2ak3	NM	010121	Mm.247167	6	7.957	7.883	8.209	8.226	8.696	8.268	8.250	8.269	8.919	8.927	8.477	8.850	9.026	8.949	8.607	8.178	8.176	8.838	8.221	8.250	8.294	8.331	8.026	7.850
1449279	at		Gpx2	NM	030677	Mm.441856	12	7.077	6.770	6.665	7.099	6.919	6.878	6.944	7.039	6.975	6.831	6.735	6.785	6.913	6.850	6.856	6.972	6.945	6.869	6.998	6.993	7.016	6.956	7.041	7.185
1449280	at		Esm1	BC020038	Mm.38929		13	4.539	4.760	4.696	5.346	5.048	4.933	5.020	5.139	5.436	5.770	4.765	4.833	5.188	4.829	4.884	4.691	4.783	4.597	4.664	4.982	4.716	4.636	4.376	4.456
1449281	at		Ntrn	NM	008738	Mm.8074	17	10.250	10.485	9.866	10.305	11.124	10.254	9.997	10																

1449331	a	at	Rapsn	NM	009023	Mm.1272	2	7.912	7.983	7.352	8.199	7.761	7.880	7.935	7.708	7.685	7.783	7.481	7.916	7.859	7.705	7.691	7.740	8.201	8.028	8.043	8.530	8.513	8.068	8.015		
1449332	at		Fhl5	NM	021318	Mm.87325	4	5.400	5.259	5.567	5.678	5.494	5.460	5.605	5.700	5.398	5.525	5.914	5.472	5.604	5.601	5.377	5.424	5.615	5.494	5.818	5.793	5.753	5.521	5.708	5.361	
1449333	at		Sf3a1	NM	B8031756	Mm.156914	11	9.014	9.432	9.086	9.165	9.199	9.032	9.123	9.071	9.052	9.050	9.115	9.223	9.043	9.208	8.891	9.041	9.243	9.261	8.985	8.994	9.173	9.094	9.194	9.008	
1449334	at		Timp3	B1111620	Mm.4871		10	9.244	8.691	9.495	9.427	9.208	10.077	9.034	8.975	8.669	9.243	9.410	9.094	9.292	9.213	8.892	9.578	8.206	8.565	8.948	9.179	9.974	9.115	10.433	10.342	
1449335	at		Hnp3	B1111620	Mm.4871		10	11.701	10.412	11.743	11.457	11.758	11.989	11.276	11.765	11.036	11.403	11.688	11.914	11.226	12.019	11.526	11.321	11.267	10.998	11.166	11.227	12.596	12.281			
1449336	at		Sik	NM	009289	Mm.281011	19	10.118	10.220	9.757	10.975	9.799	9.318	9.716	10.047	10.191	10.384	10.641	9.824	9.815	10.125	9.978	9.781	9.067	9.044	8.795	9.028	9.628	10.051	10.205	10.428	
1449337	at		Td6	A1098840	Mm.258622		3	5.605	5.640	5.700	5.728	5.521	5.710	5.626	5.653	5.811	5.624	5.879	5.624	5.838	5.818	5.666	5.726	5.651	5.478	5.593	5.671	5.618	5.612	5.288	5.637	
1449338	at		D10Erld641e	BE692118	Mm.21793		10	10.509	10.666	10.552	10.919	10.814	10.550	10.141	10.463	10.504	10.283	10.196	10.841	10.703	10.150	10.538	10.532	10.699	10.714	10.562	10.478	10.618	10.659	10.454	10.540	
1449339	at		D10Erld641e	BE692118	Mm.21793		10	7.658	7.604	7.652	7.725	7.643	7.664	7.495	7.454	7.477	7.499	7.353	7.615	7.640	7.374	7.662	7.625	7.605	7.557	7.716	7.587	7.561	7.799	7.604	7.714	
1449340	at		Sostdc1	BC021458	Mm.43375		12	5.754	5.347	6.002	5.687	5.335	6.147	5.803	5.134	5.205	5.264	5.397	5.365	5.330	5.503	5.773	5.645	5.783	6.154	5.942	5.699	5.666	5.420	5.476	5.571	
1449341	a	at	Stom	AF093620	Mm.295284		2	8.373	7.751	8.585	8.463	8.141	8.380	8.422	8.191	7.833	8.108	8.255	8.338	8.199	8.242	8.458	8.585	8.262	8.462	8.484	8.601	8.305	8.107	8.440	8.533	
1449342	at		Ptlib	NM	023587	Mm.27286	16	9.709	10.366	9.625	9.747	9.974	9.938	9.857	10.105	10.387	10.100	9.979	10.059	10.064	10.269	9.987	9.639	9.795	9.834	9.756	9.549	9.971	10.080	9.762	9.553	
1449343	s	at	Stn3a	NM	011378	Mm.15755	9	8.994	9.010	9.119	9.138	9.124	9.286	9.019	8.982	8.983	9.082	9.947	9.105	9.123	9.130	9.139	9.206	9.170	9.259	9.384	9.408	9.029	9.136	9.120	9.157	
1449344	s	at	NM	0210409E12Rik	NM	028218	Mm.474516	11	4.573	4.243	4.278	4.273	4.207	4.209	4.295	4.352	4.202	4.067	4.297	4.258	4.402	4.382	4.117	4.217	4.313	4.214	4.285	4.329	4.200	4.555	4.203	4.473
1449345	at		Ccdc34	NM	026613	Mm.181767	2	6.644	7.351	6.527	6.654	6.938	6.752	6.724	7.521	7.454	7.541	6.887	7.118	7.113	7.307	6.866	6.314	6.893	6.797	6.488	6.332	6.729	7.195	6.598	6.282	
1449346	s	at	RioK1	BM228482	Mm.297130		13	7.691	7.916	7.538	7.578	7.638	7.651	7.610	7.706	7.939	7.904	8.020	7.893	7.755	7.859	7.590	7.641	7.691	7.432	7.529	7.535	7.562	7.774	7.533	7.503	
1449347	a	at	Xlr4b	NM	021365	Mm.104764	X	7.539	6.645	6.641	8.019	7.267	7.699	8.758	8.421	7.826	8.026	6.218	8.245	7.496	7.247	7.050	6.432	7.260	6.424	7.728	6.769	7.420	7.710	7.024	5.143	
1449348	at		Mop6	AF199010	Mm.41288		6	9.958	10.001	10.027	10.102	10.093	9.952	10.124	9.517	9.442	9.559	9.948	8.815	9.528	9.532	9.838	9.971	10.317	10.127	10.026	9.906	10.132	10.256	9.905	10.183	
1449349	at		Nud1	NM	008637	Mm.118846	5	9.234	9.572	9.493	9.338	9.391	9.540	9.468	9.210	9.363	9.303	9.110	9.380	9.100	9.347	9.384	9.450	9.435	9.502	9.461	9.690	9.398	9.498	9.362	9.333	
1449350	at		Osr1	NM	011859	Mm.45055	12	7.212	7.096	7.225	7.467	7.262	7.399	7.277	7.308	7.353	6.899	7.226	7.291	7.196	7.242	7.142	6.997	7.854	7.743	7.554	7.318	7.180	7.644	6.880	7.004	
1449351	s	at	Pdofc	NM	019971	Mm.331089	3	7.989	8.564	8.000	8.132	8.584	8.266	8.151	8.051	8.995	9.039	8.284	8.748	8.609	8.783	8.432	8.046	7.691	7.865	8.228	7.938	7.738	7.888	7.762	8.006	
1449352	at		PoII	NM	020032	Mm.46509	19	8.047	7.977	7.866	8.019	7.977	8.005	7.952	7.991	7.965	8.016	7.744	7.816	7.741	7.774	7.927	7.987	8.103	8.197	8.154	8.168	8.093	8.072	8.006	8.071	
1449353	at		Zmat3	NM	009517	Mm.35705	3	7.945	8.967	8.178	8.242	8.981	8.215	8.193	8.420	9.381	9.186	7.508	9.165	9.244	8.964	8.732	8.224	8.209	8.389	8.198	7.964	7.974	8.060	7.886	7.943	
1449354	at		Zrsr1	NM	011663	Mm.29542	11	9.293	8.705	9.346	9.041	8.914	9.088	8.942	9.016	8.545	8.744	8.643	8.998	9.071	8.543	8.980	9.322	9.609	9.280	9.082	9.066	9.295	9.450	9.107	9.147	
1449355	a	at	Eps15l1	NM	007944	Mm.288894	8	8.820	8.758	8.674	8.894	8.949	8.617	8.642	9.167	8.596	8.611	8.645	8.965	8.729	8.561	8.601	8.621	9.368	9.278	8.852	8.813	9.120	9.328	8.536	8.469	
1449356	at		Asb5	NM	029569	Mm.33171	8	9.583	9.052	9.374	9.400	9.086	9.620	9.773	10.048	8.266	8.563	9.815	9.177	8.837	9.074	9.322	9.314	10.251	10.131	9.989	9.770	10.129	10.229	9.392	9.485	
1449357	at		Z10030G06Rik	NM	025955	Mm.27605	6	8.568	8.657	8.077	8.157	7.763	7.574	7.639	7.934	7.830	8.084	8.933	8.945	8.984	8.933	8.945	9.056	8.956	8.965	8.968	9.035	9.046	9.345	9.337	9.337	
1449358	at		Mm5e	NM	003077	Mm.100652	6	7.359	6.806	7.213	7.166	7.076	7.213	7.213	7.509	7.085	7.384	7.252	7.097	7.242	7.137	7.222	6.392	7.313	7.222	6.392	7.453	7.029	7.284	7.230	7.230	
1449359	at		Pax1	NM	008780	Mm.315502	2	6.959	6.585	6.987	6.903	6.799	6.762	6.961	6.763	6.676	6.611	6.898	6.580	6.763	6.924	6.840	7.136	6.925	6.977	6.814	7.019	6.924	6.959	7.112	7.107	
1449360	at		Cs21rb2	NM	007781	Mm.1940	15	7.704	8.062	7.904	7.388	7.185	7.092	6.913	6.707	8.260	7.850	7.939	7.198	7.539	8.098	6.755	7.046	5.985	6.120	6.673	6.145	6.301	6.407	6.583	6.218	
1449361	at		Tbx21	NM	019507	Mm.94519	11	4.961	4.656	4.956	4.776	4.931	5.093	4.962	4.877	4.774	4.779	4.922	4.871	5.088	4.915	4.706	4.667	4.833	4.712	4.989	4.983	5.012	4.787	4.903	4.965	
1449362	a	at	Mimk1	NM	016713	Mm.42967	11	9.524	9.435	9.928	9.511	9.664	9.484	9.566	9.789	9.455	9.577	9.622	9.383	9.662	9.585	9.511	9.716	9.772	9.508	9.639	9.595	9.617	9.577	9.622	9.591	
1449363	at		Atf3	BC019946	Mm.2706		1	12.968	10.814	11.530	9.107	9.891	10.583	11.771	10.178	9.930	9.735	13.746	9.614	9.481	9.188	10.990	11.041	7.841	7.737	8.193	7.752	9.899	9.557	9.574	11.476	
1449364	at		Aurkc	NM	020572	Mm.261572	7	6.629	6.220	6.292	6.438	6.294	6.417	6.449	6.410	6.042	6.019	6.194	5.967	6.029	6.038	6.084	6.322	6.595	6.511	6.288	6.389	6.375	6.427	6.380	6.524	
1449365	at		Six3	NM	023983	Mm.400319	9	5.315	5.394	5.222	5.492	5.362	5.345	5.338	5.936	4.735	5.962	5.426	5.854	5.196	5.892	5.781	5.632	5.719	5.669	5.547	5.569	5.487	5.505	5.447	5.447	
1449366	at		Mmp8	NM	008611	Mm.16415	9	6.562	6.472	6.865	6.583	6.452	6.332	6.484	6.635	6.710	6.497	7.074	6.343	6.331	6.507	6.399	6.668	6.169	6.416	6.449	6.430	6.244	6.597	6.468	7.803	
1449367	at		Trex2	AF151108	Mm.23312	X	7	7.025	6.697	6.832	7.010	6.759	6.901	6.784	6.908	6.791	6.576	6.776	6.678	6.835	6.613	6.704	6.968	6.887	6.666	6.880	6.956	7.111	6.916	7.004	6.762	
1449368	at		Dcn	NM	007833	Mm.56769	10	13.695	13.508	13.705	14.009	14.096	14.134	13.828	13.860	13.639	13.897	13.740	14.017	14.101	13.867	14.033	13.722	13.889	13.812	13.968	13.748	13.824	13.918	13.558	13.745	
1449369	at		Tmprss2	NM	001575	Mm.276145	16	5.694	5.134	5.364	5.456	5.504	5.463	5.587	5.473	5.498	5.589	5.468	5.284	5.610	5.562	5.381	5.422	5.537	5.541	5.409	5.385	5.334	5.522	5.342	5.342	
1449370	at		Sox4	A1428011	Mm.240627		13	7.732	7.482	7.539	7.681	7.671	7.77																			

1449420	at	Pde1b	NM	008800	Mm.390792	15	7.519	7.537	7.494	7.502	7.395	7.321	7.439	7.468	7.828	7.456	7.586	7.447	7.574	7.617	7.483	7.485	7.487	7.360	7.517	7.377	7.611	7.467	7.401	7.563
1449421	a	Kcne2	NM	134110	Mm.156736	16	5.493	5.268	5.327	5.044	5.283	5.363	5.390	5.328	5.052	5.191	5.433	5.357	5.013	5.100	5.340	5.341	5.409	5.535	5.686	5.723	5.435	5.472	5.422	5.559
1449422	at	Cdh4	NM	009867	Mm.184711	2	6.326	5.947	6.430	6.371	6.150	6.165	6.420	6.559	6.078	6.088	6.346	6.017	6.410	6.183	6.048	6.401	6.408	6.142	6.165	6.083	6.340	6.176	6.048	6.226
1449423	at	Mast1	NM	019945	Mm.154614	8	8.352	7.871	8.007	8.202	7.914	7.966	8.127	8.072	7.938	7.920	7.844	8.031	8.004	8.019	8.113	8.069	8.200	8.265	8.254	8.152	8.222	8.262	8.073	8.103
1449424	at	Plekh2	NM	013788	Mm.139280	12	4.477	4.452	4.709	4.486	4.463	4.386	4.576	4.785	4.423	4.700	4.518	4.482	4.808	4.622	4.655	4.558	4.689	4.445	4.555	4.638	4.445	4.555	4.650	4.640
1449425	at	Wnt2	BC026373	Mm.336563	6	6.629	6.047	6.555	6.517	6.278	6.685	6.605	6.338	6.356	6.389	6.470	6.422	6.426	6.351	6.395	6.673	6.285	6.491	6.612	6.685	6.631	6.437	6.434	6.506	
1449426	a	Anxa10	NM	011922	Mm.42179	8	5.897	5.703	5.545	5.441	5.567	5.525	5.567	5.555	5.547	5.531	5.632	5.435	5.511	5.591	5.515	5.568	5.430	5.537	5.554	5.750	5.693	5.521	5.682	
1449427	at	1700016G05Rik	NM	026317	Mm.52550	6	6.083	5.971	6.019	5.796	6.057	6.020	5.882	6.069	5.918	5.871	5.939	5.983	5.841	6.040	5.973	5.981	5.845	6.060	5.927	6.103	6.008	6.074	5.934	5.812
1449428	at	Cldn18	NM	019815	Mm.386784	9	5.822	5.269	5.511	5.785	5.445	5.308	5.458	5.323	5.571	5.402	5.580	5.403	5.572	5.594	5.559	5.405	5.516	5.472	5.728	5.678	5.602	5.431	5.524	5.422
1449429	at	Fkbp1b	NM	016863	Mm.20453	12	6.950	7.655	7.259	7.102	7.535	7.451	7.231	7.400	8.056	7.800	7.172	7.783	7.779	7.593	7.388	7.042	7.206	7.254	7.292	7.185	7.377	7.231	7.074	7.081
1449430	a	Treh	NM	021481	Mm.45380	9	5.724	5.444	5.428	5.101	5.513	5.237	5.519	5.615	5.410	5.334	5.781	5.699	5.678	5.521	5.745	5.580	5.763	5.485	5.512	5.817	5.556	5.367	5.569	5.830
1449431	at	Tp53	NM	013838	Mm.325086	9	3.792	3.884	3.792	3.904	3.627	3.886	3.700	4.023	3.896	3.818	3.860	3.754	3.811	3.740	3.879	3.862	3.920	3.791	4.062	3.867	3.735	3.927	3.823	3.911
1449432	a	Mme11	NM	013783	Mm.116944	4	5.815	5.522	5.861	5.743	5.530	5.689	5.575	5.626	5.490	5.488	5.731	5.486	5.569	5.573	5.627	5.825	5.578	5.385	5.573	5.796	5.630	5.736	5.502	5.732
1449433	at	P2rx5	NM	033321	Mm.156893	11	9.693	9.998	9.542	9.519	9.922	9.464	9.740	9.813	9.702	9.909	10.540	10.037	9.989	9.871	10.296	9.555	9.525	9.524	9.541	9.699	9.622	9.869	10.236	
1449434	at	Car3	NM	007606	Mm.300	3	8.923	6.322	6.666	7.772	6.287	10.180	7.477	8.336	5.537	8.813	5.801	7.441	6.407	7.933	7.744	6.438	9.463	9.479	9.529	7.563	7.200	8.315	6.182	6.962
1449435	at	B4galnt3	BC013619	Mm.274011	1	8.951	9.159	8.874	8.955	8.900	8.786	8.893	8.733	9.193	8.981	9.346	8.999	8.858	8.953	8.857	8.851	8.941	8.971	9.058	8.849	8.969	8.874	8.831	8.843	
1449436	s	Ubb	NM	011664	Mm.282093	11	14.753	14.760	14.709	14.751	14.941	14.790	14.666	14.850	14.974	14.852	15.056	14.984	15.024	14.828	14.874	14.689	14.904	14.764	14.708	14.696	14.878	14.984	14.785	14.606
1449437	at	Ddb	NM	138594	Mm.44228	6	8.700	8.708	8.627	8.586	8.722	8.769	8.681	8.710	8.554	8.801	8.448	8.823	8.818	8.782	8.804	8.613	8.729	8.656	8.632	8.802	8.563	8.921	8.877	8.842
1449438	at	Dpm1	NM	010072	Mm.422657	2	10.495	10.326	10.452	10.470	10.274	10.359	10.348	10.453	10.253	10.286	10.160	10.513	10.159	9.976	10.202	10.338	10.826	10.583	10.332	10.387	10.879	10.901	10.179	10.262
1449439	at	Klf7	BB524597	Mm.29466	1	9.549	9.264	9.277	9.148	9.255	9.255	9.112	9.394	9.537	9.350	9.562	9.461	9.455	9.117	9.285	9.305	9.299	9.210	8.692	9.888	9.470	9.793	9.285	9.302	
1449440	at	Lpin3	NM	022883	Mm.292111	2	6.982	7.337	6.859	6.944	7.255	6.758	6.769	6.997	7.332	7.141	7.070	7.006	7.107	7.142	6.910	6.884	6.737	7.000	6.942	6.881	7.189	7.049	7.274	7.065
1449441	a	Wbp1	NM	016757	Mm.1109	6	10.218	9.946	10.199	10.336	10.339	10.282	10.160	9.698	9.813	10.016	10.042	10.456	10.184	9.806	10.277	10.171	10.444	10.676	10.422	10.532	10.400	10.233	10.325	10.282
1449442	at	Whl1a	NM	011068	Mm.20615	7	9.801	9.763	9.850	9.870	9.599	9.947	10.098	10.062	9.337	9.322	9.492	9.742	9.465	9.563	9.803	9.928	10.612	10.793	10.522	10.312	10.197	10.346	10.104	10.116
1449443	at	Decr1	NM	026172	Mm.393293	4	11.169	10.185	11.215	11.431	10.313	11.426	11.434	10.910	9.162	9.805	10.287	10.264	9.979	10.413	10.756	11.211	11.423	11.295	11.335	11.484	11.297	11.384	11.422	11.684
1449444	a	Mfa1a	BB436326	Mm.440764	2	9.533	9.593	9.935	9.719	9.446	9.933	9.707	9.154	9.316	9.719	9.121	9.744	9.516	9.642	9.676	10.001	9.491	9.578	9.861	9.859	9.368	9.440	9.723	10.008	
1449445	x	Mfa1a	BB436326	Mm.440764	2	10.256	10.054	10.612	10.443	10.280	10.503	10.327	10.060	10.008	10.281	9.884	10.332	10.294	10.040	10.401	10.457	10.445	10.395	10.469	10.465	10.327	10.423	10.592	10.460	
1449446	at	CstII	NM	020201	Mm.139224	10	6.021	7.731	6.993	6.947	7.102	7.850	6.937	7.206	6.933	7.732	7.462	7.287	7.088	6.970	6.890	6.976	7.547	7.404	7.599	7.771	7.404	7.771	7.404	
1449447	at	CstII	NM	021405	Mm.11717	2	8.557	8.133	8.212	8.896	8.272	8.896	8.566	8.010	8.884	8.566	8.010	8.884	8.566	8.010	8.884	8.566	8.010	8.884	8.566	8.010	8.884	8.566	8.010	8.884
1449448	at	Med9	BC019367	Mm.125288	11	8.464	9.225	8.447	8.594	8.992	8.380	8.384	8.265	9.665	9.334	8.922	9.229	9.014	8.985	8.615	8.432	9.030	8.832	8.577	8.189	8.781	8.916	8.120	8.152	
1449449	at	Ptges	NM	022415	Mm.28768	2	7.252	6.977	7.000	7.146	7.018	7.077	7.181	7.115	7.306	7.101	7.312	7.031	7.064	6.966	7.082	6.951	7.165	6.940	7.064	7.001	7.168	7.169	7.014	6.800
1449450	at	Ptges	NM	022415	Mm.28768	2	7.507	7.320	7.360	7.318	7.273	7.351	7.403	7.244	7.378	7.262	7.387	7.245	7.199	7.239	7.286	7.388	7.439	7.278	7.402	7.373	7.471	7.449	7.536	7.312
1449451	at	Serpinb11	NM	025867	Mm.12638	1	6.298	6.695	6.366	6.175	6.881	6.407	6.238	6.428	6.192	5.720	6.081	6.110	5.986	5.947	5.990	6.247	5.967	5.871	6.265	6.144	6.158	5.963	6.142	6.251
1449452	a	Gp2	NM	025989	Mm.46403	7	6.279	6.214	6.347	6.500	6.097	6.409	6.392	6.185	6.321	6.184	6.436	6.059	6.379	6.230	6.308	6.567	6.382	6.209	6.291	6.461	6.490	6.410	6.237	6.522
1449453	at	Bst1	AI647987	Mm.245332	5	5.915	7.063	5.818	5.830	6.022	5.930	5.862	5.756	5.678	6.551	5.651	5.212	5.542	5.664	5.729	5.464	5.764	5.128	5.259	5.562	5.496	5.308	5.619	5.589	5.608
1449454	at	Bst1	AI647987	Mm.245332	2	7.333	9.366	4.575	5.526	5.572	4.625	5.523	4.792	5.567	5.596	5.468	4.456	4.635	5.824	4.435	4.592	4.551	4.308	4.414	4.592	4.653	4.592	4.653	4.592	4.653
1449455	at	Hck	NM	010407	Mm.715	2	7.342	8.781	7.053	7.564	7.671	7.382	7.833	7.465	8.490	8.108	7.889	7.757	7.732	7.361	6.993	7.229	6.924	6.906	7.085	7.085	7.044	7.051	6.440	6.732
1449456	a	Cma1	NM	010780	Mm.1252	14	7.659	7.214	7.709	7.309	7.421	7.648	7.542	7.589	7.335	7.349	7.720	7.269	7.442	7.577	7.614	7.549	7.751	7.620	7.907	7.766	7.748	7.470	7.859	
1449457	at	Acto112	NM	048618	Mm.275963	13	6.814	6.836	6.924	6.927	6.944	6.846	6.992	6.993	6.915	6.744	6.924	6.796	6.829	6.859	6.799	7.059	6.878	6.804	6.999	7.020	6.944	6.910	6.676	7.051
1449458	at	Foxl1	BC007475	Mm.32926	11	7.326	6.791	7.252	6.931	6.616	7.100	7.330	6.965	6.844	6.831	7.019	6.922	6.922	6.900	6.974	7.231	7.135	7.127	7.111	7.355	6.786	6.767	6.924	7.268	
1449459	s	Asb3	AF403041	Mm.253061	13	7.744	7.597	7.843	7.966	7.627	7.944	7.930	7.749	6.932	7.552	7.267	7.713	7.464	7.343	7.566	7.804	8.113	8.199	7.856	7.695	8.065	8.847	7.907	7.981	
1449460	at	Asb3	AF403041	Mm.																										

1449509	at	Serf1	NM 011353	Mm.286177	13	9.270	9.333	9.054	9.262	9.411	9.369	9.446	9.471	9.452	9.319	9.257	9.622	9.529	9.170	9.499	9.288	9.596	9.438	9.387	9.415	9.472	9.531	9.291	9.351
1449510	at	Zfp467	NM 020589	Mm.2464	6	7.152	7.191	6.546	7.048	7.287	7.099	7.003	7.374	7.311	7.336	6.233	7.220	7.394	7.089	7.164	6.768	7.440	7.558	7.260	7.029	7.471	7.496	6.896	6.980
1449511	a at	Ssbp4	NM 133772	Mm.6667	8	8.549	8.886	8.812	8.346	8.715	8.481	8.450	8.586	8.827	8.694	8.541	8.731	8.527	8.542	8.440	8.477	8.649	8.614	8.420	8.302	8.519	8.512	8.266	8.357
1449512	a at	Zfx	BB283590	Mm.919	X	5.905	6.352	5.834	5.871	5.945	6.033	5.729	6.104	5.997	6.015	5.685	6.084	5.931	5.783	5.972	5.777	6.061	5.894	5.783	5.711	5.761	5.610	5.964	5.889
1449513	at	Adam24	NM 010083	Mm.67403	8	5.330	5.063	5.576	5.385	5.331	5.213	5.267	5.236	5.215	5.081	5.585	5.268	5.458	5.287	5.206	5.153	4.898	5.190	5.535	5.260	5.528	5.149	5.367	
1449514	at	Grl5	BC019379	Mm.279400	19	9.931	10.127	10.065	9.403	10.276	9.182	9.384	9.541	10.385	10.457	9.750	10.119	10.155	10.010	9.985	10.093	9.742	9.539	9.995	9.248	8.898	8.653	8.984	9.804
1449515	at	Znf292	NM 013889	Mm.38193	4	8.531	8.403	8.598	8.554	8.397	8.692	8.511	8.377	8.274	8.484	7.989	8.439	8.498	8.405	8.391	8.819	8.530	8.643	8.787	8.658	8.582	8.800	8.584	8.581
1449516	a at	Rqs3	NM 019492	Mm.286753	4	8.356	8.278	8.576	8.756	8.501	8.592	8.564	8.499	8.517	8.487	8.598	8.772	8.643	8.676	8.665	8.766	8.906	8.717	8.598	8.715	8.672	8.727	8.668	8.629
1449517	at	Opcrl	BB119571	Mm.234876	7	7.614	7.374	7.346	7.311	7.236	7.231	7.356	7.629	7.334	7.256	7.129	7.200	7.149	7.380	7.266	7.316	7.235	7.442	7.385	7.355	7.534	7.355	7.407	7.463
1449518	at	Opcrl	BB119571	Mm.234876	7	6.145	6.469	6.146	6.097	6.159	6.282	6.512	6.148	6.450	6.216	6.321	6.244	6.347	6.551	6.138	6.281	6.377	6.298	6.314	6.457	5.992	6.104	6.120	6.273
1449519	at	Gadd45a	NM 007836	Mm.389750	6	7.373	7.026	7.773	8.366	7.865	8.754	7.955	6.629	6.453	6.867	6.226	7.534	7.191	7.234	8.132	7.666	7.695	8.531	8.824	8.691	7.707	7.748	8.677	8.100
1449520	at	Ttnc2	AW492543	Mm.295660	5	8.158	8.216	8.247	8.182	8.753	8.436	8.392	8.681	8.634	8.396	8.392	8.843	8.960	8.237	8.311	7.944	8.905	8.704	8.675	8.467	8.736	8.978	8.220	8.167
1449521	at	Cd93	BB039247	Mm.581	2	6.440	6.792	6.318	6.473	6.490	6.298	6.543	6.601	6.600	6.600	6.691	6.497	6.500	6.791	6.619	6.256	6.397	6.465	6.055	6.292	6.600	6.335	6.257	6.250
1449522	at	Unc5c	NM 009472	Mm.24430	3	7.544	7.435	7.486	7.571	7.605	7.736	7.575	7.376	7.783	7.566	7.444	7.609	7.639	7.557	7.474	7.497	7.412	7.430	7.508	7.468	7.458	7.447	7.533	7.519
1449523	at	Bcl7c	NM 009746	Mm.89667	7	8.788	9.216	8.589	8.812	9.058	8.891	8.920	9.308	9.329	9.176	9.221	9.506	9.315	9.192	9.104	8.691	9.527	9.337	8.920	8.828	9.441	9.343	8.769	8.695
1449524	at	Eda	NM 010099	Mm.328086	X	7.307	7.230	7.321	7.556	7.340	7.300	7.414	7.305	7.272	7.228	7.458	7.368	7.498	7.288	7.455	7.429	7.367	7.374	7.389	7.357	7.405	7.322	7.495	7.209
1449525	at	Fmo3	NM 080300	Mm.2900	1	6.825	6.741	6.682	6.838	6.894	7.539	6.766	6.642	7.280	7.206	6.807	6.589	6.822	6.819	6.748	6.787	6.745	6.625	6.830	6.740	6.749	6.699	6.921	6.820
1449526	a at	Gdd3	NM 024228	Mm.246881	7	10.982	9.647	11.476	10.667	11.258	11.075	10.416	10.678	10.540	10.300	10.697	11.320	11.198	10.744	10.631	11.365	10.844	7.589	7.121	7.172	7.332	11.100	7.402	7.504
1449527	at	Pcbh7b	NM 053132	Mm.44755	18	5.773	5.423	5.486	5.577	5.533	5.619	5.816	5.590	5.904	5.811	5.593	5.402	5.485	5.735	5.748	5.434	5.260	5.278	5.610	5.584	5.873	5.544	5.886	5.552
1449528	at	Fid1	NM 010216	Mm.297978	X	7.496	7.500	7.575	7.496	7.956	7.791	7.590	7.423	7.707	7.524	7.067	7.565	7.838	7.723	7.465	7.618	7.263	7.358	7.414	7.074	7.637	7.449	7.137	7.104
1449529	s at	Prl7a1	NM 008930	Mm.196424	13	4.278	3.979	4.208	4.213	4.082	4.222	4.085	4.020	3.971	3.934	4.197	3.986	3.984	3.981	4.205	4.295	4.143	4.249	4.281	2.226	4.072	4.186	4.153	4.269
1449530	at	Tlrs1	NM 032000	Mm.30466	15	8.009	8.610	7.906	8.129	8.221	8.267	8.028	8.410	9.117	8.845	8.166	9.177	9.109	8.480	8.401	7.717	7.717	7.992	7.772	7.479	8.006	8.264	7.499	7.832
1449531	at	Leprel2	BC003726	Mm.35708	6	7.853	8.869	7.375	8.033	8.976	8.135	7.621	8.481	9.573	7.276	8.286	9.346	9.455	8.708	8.552	7.425	8.020	8.046	7.806	7.505	7.850	7.939	7.700	7.444
1449532	at	Chrn9	NM 009604	Mm.2810	1	7.053	6.639	6.906	7.017	6.790	6.751	6.855	6.691	6.626	6.820	6.580	6.733	6.861	6.790	6.886	6.925	6.819	6.819	6.709	6.807	7.114	6.941	6.943	6.938
1449533	at	Tmem100	NM 026433	Mm.212428	11	8.870	7.973	8.505	7.758	7.747	7.609	7.721	8.030	7.295	7.823	7.407	7.753	7.861	7.177	7.709	8.335	6.037	7.476	7.317	7.240	7.837	6.786	7.999	6.358
1449534	at	Svcp3	NM 011517	Mm.297977	10	5.476	5.197	5.237	5.408	5.227	5.234	5.459	5.468	4.935	5.093	5.177	5.321	4.985	4.960	5.236	5.276	5.991	5.887	5.370	5.283	5.664	6.223	5.443	5.402
1449535	at	Znf1483	NM 031483	Mm.76862	17	6.353	6.082	6.615	6.635	6.187	6.277	6.355	6.135	6.235	6.277	6.195	6.385	6.235	6.277	6.108	6.397	6.271	6.271	6.271	6.271	6.271	6.271	6.271	6.271
1449536	at	Kcnk1	NM 032397	Mm.320774	8	7.143	7.151	7.237	7.151	7.205	7.100	6.903	6.988	7.151	6.903	6.988	7.151	6.903	6.988	7.151	6.903	6.988	7.151	6.903	6.988	7.151	6.903	6.988	7.151
1449537	at	Msh5	NM 013600	Mm.24192	17	8.614	7.975	8.500	8.659	8.345	8.284	8.614	8.545	8.156	8.119	8.503	8.264	8.284	8.144	8.408	8.556	8.648	8.399	8.512	8.592	8.406	8.392	8.427	8.434
1449538	a at	Gcnt1	NM 010265	Mm.244825	19	6.308	6.501	6.308	6.260	6.196	6.332	6.256	5.981	6.473	6.555	5.977	6.461	6.364	6.516	6.273	5.922	6.223	6.236	6.138	6.072	6.383	6.255	6.585	6.049
1449539	at	Ms4a6d	NM 022431	Mm.290390	19	7.379	7.337	7.358	7.360	3.697	3.967	3.867	3.558	3.697	3.618	3.709	3.732	3.819	3.625	3.681	3.675	3.876	3.885	3.852	3.986	3.797	3.775	7.720	3.816
1449540	at	Rho9r	NM 023894	Mm.156958	X	7.812	7.445	7.773	7.567	7.503	7.504	7.795	7.609	7.270	7.372	7.654	7.407	7.593	7.434	7.450	7.655	7.687	7.546	7.702	7.704	7.687	7.383	7.703	7.799
1449541	x at	1700010114Rik	NM 025851	Mm.67591	17	4.372	4.209	3.951	4.276	4.311	4.102	4.251	4.197	4.378	4.176	4.485	4.254	4.198	4.518	4.169	4.137	4.184	3.978	4.224	4.242	4.190	4.194	4.332	4.099
1449542	at	Pbx1	NM 008783	Mm.43358	1	7.933	7.871	7.817	7.820	7.855	7.737	7.770	7.682	7.681	7.699	7.674	7.685	7.701	7.837	7.556	7.845	7.850	7.854	7.819	7.974	7.797	7.774	7.809	7.856
1449543	at	Pcm15b	NM 013905	Mm.129315	7	6.448	6.056	6.276	6.260	6.223	6.319	6.355	6.413	6.319	6.584	6.989	6.948	6.989	6.948	6.989	6.948	6.989	6.948	6.989	6.948	6.989	6.948	6.989	6.948
1449544	a at	Kcnf18	NM 013569	Mm.6539	5	10.552	10.300	10.390	10.635	10.448	10.525	10.111	9.896	9.586	9.772	9.557	10.206	9.982	9.580	9.813	10.475	10.918	11.198	10.936	10.588	10.553	10.631	10.097	10.032
1449545	at	Fgf18	NM 008005	Mm.339812	11	7.655	8.416	7.495	7.526	7.953	7.604	7.551	8.206	8.304	8.290	8.001	8.117	8.203	7.836	7.854	7.448	7.868	8.161	7.910	7.788	7.560	7.130	7.234	7.625
1449546	a at	Zfp617	NM 133358	Mm.251482	8	8.148	8.337	8.275	8.380	8.337	8.273	8.277	8.554	8.318	8.482	8.138	8.716	8.454	8.069	8.518	8.626	8.599	8.402	8.198	8.120	8.605	8.615	8.335	8.656
1449547	at	Asb14	NM 080856	Mm.138259	14	10.120	8.525	10.177	10.212	9.251	10.174	9.920	9.304	7.630	8.344	8.651	9.007	8.743	8.170	9.226	10.134	10.674	10.227	9.903	10.162	10.692	10.558	10.540	10.496
1449548	at	Efnb2	U30244	Mm.209813	8	6.252	5.897	6.245	6.206	6.156	5.808	6.122	6.261	6.322	6.287	6.241	6.016	6.196	6.202	6.342	6.311	6.245	6.053	6.400	6.286	6.221	6.231	6.148	6.404
1449549	at	Efnb2	NM 209813	8	6.234	6.443	6.083	6.237	6.433	6.304	6.223	6.143	6.206	6.246	6.290	6.218	6.439	6.174	6.340	6.158</									

1449598	at	NA	AA517134	NA	NA	6.310	6.213	6.206	6.230	6.197	6.220	6.412	6.275	6.054	6.141	6.240	6.107	6.159	6.246	6.189	6.387	6.333	6.233	6.086	6.321	6.258	6.116	6.184	6.433
1449599	at	NA	AA517032	NA	NA	4.362	4.070	4.628	4.193	4.178	4.203	4.231	4.221	4.146	4.045	4.574	4.049	4.403	4.234	4.269	4.260	4.456	4.223	4.271	4.318	4.220	4.222	4.132	4.266
1449600	at	100042198	AA682050	Mm.25191	5	5.451	5.377	5.506	5.433	5.350	5.252	5.024	5.438	5.293	5.311	5.437	5.300	5.369	5.351	5.272	5.439	5.147	5.163	4.906	5.256	5.442	5.320	5.204	5.424
1449601	x at	NA	AV348780	NA	NA	5.526	5.474	5.875	5.590	5.538	5.824	6.001	5.511	5.211	5.411	5.445	5.632	5.591	5.519	5.642	5.754	5.898	5.715	6.220	5.925	5.570	5.500	5.495	5.668
1449602	at	NA	AI785329	NA	NA	4.618	5.093	4.808	5.071	5.112	5.167	4.827	5.144	5.286	5.232	5.117	5.544	5.210	5.127	5.080	4.983	5.118	5.036	5.134	5.036	4.987	4.949	5.428	5.060
1449603	at	AI594671	AA711038	Mm.384921	11	3.789	3.717	3.767	3.717	3.645	3.854	3.726	3.700	3.719	3.701	3.676	3.686	3.820	3.592	3.705	4.015	3.754	3.853	3.901	3.812	3.737	3.674	3.737	3.707
1449604	at	Acpi	B0127142	Mm.359831	12	6.238	5.810	5.954	5.982	5.124	5.845	5.945	5.842	5.838	5.968	5.906	5.830	5.816	5.949	5.919	5.797	5.956	5.759	5.896	5.738	6.124	5.947	5.978	5.828
1449605	at	NA	AI452150	NA	NA	6.213	6.021	6.309	6.344	6.305	6.337	6.382	6.433	6.443	6.087	6.375	6.315	6.312	6.075	6.240	6.474	6.323	6.384	6.253	6.359	6.375	6.222	6.292	6.314
1449606	at	Lat2	AI662823	Mm.391375	5	6.438	6.207	6.318	6.349	6.338	6.274	6.482	6.421	6.304	6.269	6.361	6.386	6.448	6.519	6.251	6.312	6.208	6.290	6.642	6.351	6.211	6.116	6.425	6.374
1449607	at	100043072	AI450388	Mm.242832	14	7.298	6.937	6.946	7.066	6.927	6.657	6.977	6.989	7.091	6.769	7.181	7.064	6.993	6.972	6.948	6.924	6.876	6.980	7.151	6.984	6.947	6.785	7.037	6.996
1449608	a at	NA	AI447620	NA	NA	4.810	4.886	5.282	4.796	5.220	4.904	5.163	4.618	5.013	5.356	5.010	5.048	5.057	5.397	5.060	5.382	5.078	5.141	5.163	5.357	5.078	4.891	5.065	5.020
1449609	at	NA	AA189214	NA	NA	6.919	6.827	7.066	6.861	6.816	7.060	6.913	6.875	6.827	6.834	7.078	6.701	6.926	6.766	7.011	6.961	6.856	7.249	6.936	7.173	7.260	6.857	7.099	7.166
1449610	at	Ep400	AI551101	Mm.270487	5	5.151	4.552	4.962	5.041	4.919	4.836	5.031	4.998	4.892	4.769	4.865	4.700	4.768	5.089	4.905	4.776	4.746	5.117	4.738	4.974	5.032	4.957	5.098	
1449611	at	Cd82	AI894122	Mm.4261	2	10.051	9.643	9.932	10.133	9.973	9.762	9.958	9.817	9.933	9.761	9.863	9.855	9.851	9.864	9.874	9.888	9.891	9.874	9.676	9.850	10.029	9.905	10.064	9.931
1449612	x at	KiF20b	AI661196	Mm.278471	19	3.864	3.790	3.749	3.806	3.794	3.785	3.928	3.835	3.752	3.793	3.869	3.655	3.707	3.806	3.850	3.682	3.776	3.698	3.716	3.693	3.749	3.772	3.799	3.830
1449613	at	NA	AI848086	NA	NA	6.943	6.309	6.625	6.577	6.522	6.391	6.627	6.776	6.355	6.513	6.718	6.474	6.448	6.514	6.625	6.773	6.608	6.635	6.641	6.773	6.705	6.772	6.761	6.674
1449614	s at	AI314976	AW558560	Mm.203943	17	8.249	7.921	8.514	8.343	8.132	8.475	8.413	7.719	7.348	7.789	7.466	7.966	7.724	7.790	8.039	8.319	8.674	8.469	8.647	8.450	8.479	8.327	8.434	8.572
1449615	s at	Hdlb	C77256	Mm.30012	1	8.624	8.664	8.622	8.715	8.182	8.511	8.319	8.814	8.567	8.215	8.118	8.547	8.274	8.005	8.187	8.613	9.338	8.675	8.489	8.549	9.021	9.496	8.481	8.133
1449616	s at	Golda3	AW495076	Mm.35932	5	9.019	9.029	9.351	9.015	9.361	9.400	9.203	8.217	8.900	9.478	9.214	9.329	9.600	9.489	9.507	9.322	8.211	8.675	9.207	9.190	8.552	8.519	9.171	9.428
1449617	at	2900092E17Rik	C77040	Mm.345385	7	8.370	8.696	8.185	8.263	8.431	8.187	8.330	8.518	8.265	8.364	8.295	8.469	8.465	8.393	8.177	8.027	8.500	8.702	8.348	8.389	8.516	8.348	8.140	8.256
1449618	s at	2900092E17Rik	C77040	Mm.345385	7	9.477	10.066	9.333	9.597	9.789	9.513	9.619	9.974	10.012	9.794	9.224	9.903	9.764	9.709	9.490	9.306	9.924	10.014	9.589	9.607	9.845	9.822	9.848	9.273
1449619	s at	Arhqaop9	AU043488	Mm.227198	10	7.218	7.793	7.147	7.172	7.232	7.165	7.269	7.144	7.809	7.452	7.194	7.029	7.094	7.707	7.139	7.047	6.978	7.266	7.128	7.160	7.320	7.034	7.214	7.112
1449620	s at	Adcy9	AW125421	Mm.439750	16	8.975	8.497	9.016	9.054	8.936	8.889	9.004	8.793	8.351	8.645	8.309	8.421	8.559	8.338	8.472	9.185	9.344	8.879	9.076	8.887	8.945	9.264	8.768	9.211
1449621	s at	Thsd1	AW121720	Mm.32067	8	7.644	7.552	7.761	7.549	7.541	7.645	7.616	7.723	7.491	7.645	7.547	7.808	7.586	7.626	7.829	7.739	7.550	7.579	7.633	7.645	7.493	7.564	7.446	7.676
1449622	s at	Atp6ap1	AI316502	Mm.475920	X	11.183	11.387	11.289	11.198	11.146	11.287	11.327	10.882	11.363	11.551	11.256	11.314	11.406	11.675	11.365	11.329	10.758	10.948	11.227	11.250	10.948	10.901	11.135	11.245
1449623	at	Txnrd3	AI196535	Mm.229332	6	8.691	8.799	8.799	8.811	8.756	9.010	8.804	9.049	8.256	8.278	8.682	8.772	8.546	8.598	8.640	8.785	8.998	8.872	8.809	8.904	8.842	9.037	8.828	8.796
1449624	at	Ep412	AI196535	Mm.229332	2	8.691	8.799	8.799	8.811	8.756	9.010	8.804	9.049	8.256	8.278	8.682	8.772	8.546	8.598	8.640	8.785	8.998	8.872	8.809	8.904	8.842	9.037	8.828	8.796
1449625	at	NA	AA619999	NA	NA	7.356	7.272	7.356	7.438	7.272	7.356	7.395	7.296	7.227	6.983	7.321	7.127	7.179	7.170	7.454	7.477	7.392	7.372	7.093	7.083	7.043	7.064	7.064	7.064
1449626	s at	Ascd4	AI849317	Mm.390367	11	8.643	8.766	8.541	8.617	8.823	8.780	8.386	8.852	8.896	8.671	8.287	8.977	8.928	8.236	8.509	8.594	9.871	9.314	9.064	8.832	9.023	9.523	8.815	8.735
1449627	at	Obp6	AI851164	Mm.240435	2	7.179	7.036	7.215	7.097	7.078	7.020	7.198	7.260	7.046	7.070	7.371	7.089	7.063	6.882	7.175	7.231	7.231	7.150	7.220	7.245	7.124	7.084	7.226	7.230
1449628	at	Stard7	AI852671	Mm.41271	2	12.571	12.360	12.755	12.686	12.448	12.838	12.749	12.246	11.701	12.118	12.231	12.356	12.087	12.176	12.471	12.732	12.590	12.649	12.776	12.795	12.599	12.519	12.762	12.759
1449629	s at	NA	AW046420	NA	NA	9.399	8.824	9.452	9.391	9.206	9.521	9.420	9.213	8.734	8.793	9.231	9.046	8.947	8.903	9.314	9.336	9.592	9.770	9.772	9.800	9.429	9.388	9.841	9.447
1449630	s at	Mark1	AW491150	Mm.7445	1	7.840	7.485	7.908	7.623	7.857	7.771	7.945	7.688	7.293	7.575	7.269	7.710	7.714	7.256	7.674	7.932	7.864	7.742	7.626	7.941	7.300	7.566	8.006	7.818
1449631	at	NA	AW047018	NA	NA	8.893	8.937	9.014	8.934	8.638	8.643	8.714	8.838	8.572	8.632	8.780	8.676	8.597	8.768	8.708	8.914	9.002	9.073	9.147	9.988	8.805	8.768	8.967	8.521
1449632	s at	Fdpb10	BB50255	Mm.39934	17	8.473	10.416	8.511	8.205	9.322	9.385	8.553	10.260	10.339	8.295	9.726	8.484	9.430	9.027	8.027	9.012	8.027	9.012	8.027	9.012	8.027	9.012	8.027	9.012
1449633	s at	Ntsc3l	AI841843	Mm.28738	11	7.264	7.676	6.936	6.930	7.225	7.006	7.020	7.667	7.340	7.443	7.139	7.417	7.209	7.162	7.590	6.976	7.455	7.578	7.227	7.091	7.499	7.531	6.965	7.238
1449634	a at	Anks1b	AW046296	Mm.440605	10	5.907	5.506	5.777	5.746	5.501	5.796	5.858	5.763	5.562	5.502	6.014	5.657	5.723	5.498	5.867	5.575	5.820	5.768	5.929	5.963	5.747	5.591	5.740	6.085
1449635	at	Prpf19	AA095662	Mm.358657	19	12.929	12.744	13.122	13.060	12.702	13.165	13.156	12.792	11.998	12.251	12.602	12.504	12.546	12.615	12.777	13.171	12.985	13.063	13.158	13.312	12.834	12.870	13.317	12.991
1449636	at	Cdh4	AI425726	Mm.184711	2	5.462	5.278	5.119	5.141	5.176	5.033	5.279	5.278	5.182	5.344	5.345	5.237	5.117	5.251	5.422	5.313	5.366	5.218	5.159	5.291	5.230	5.308	5.222	5.427
1449638	at	100042889	WA1129	Mm.440109	3	8.132	7.928	8.078	7.999	7.925	8.209	8.046	8.203	7.999	7.902	8.000	7.948	8.019	7.939	8.096	8.173	8.187	8.188	8.253	8.234	8.040	8.081	8.222	8.124
1449639	at	NA	AA597087	NA	NA	6.466	6.181	6.499	6.199	6.451	6.441	6.462	6.366	6.394	6.406	6.656	6.394	6.455	6.416	6.673	6.626	6.512	6.511	6.618	6.559	6.490</			

1449688	at	D10Ert6d10e	AU014694	Mm.272230	10	8.339	7.949	8.135	8.361	8.218	8.065	8.267	8.190	8.223	8.012	8.308	8.157	8.143	8.110	8.120	8.368	8.504	8.199	8.269	8.534	8.380	8.099	8.357	8.073	
1449689	at	C81600	C81600	Mm.34083	10	5.495	5.267	5.420	5.178	5.212	5.142	5.203	5.706	5.320	5.301	5.272	5.324	5.310	5.191	5.329	5.383	5.276	5.421	5.374	5.186	5.380	5.266	5.181	5.448	
1449690	x at	NA	C77112	NA	NA	6.479	6.026	6.675	6.468	6.628	6.696	6.829	6.517	6.119	6.292	6.585	6.280	6.336	6.377	6.542	6.661	6.315	6.466	6.751	6.568	6.472	6.328	6.629	6.550	
1449691	at	Zfp644	AU015726	Mm.249474	5	5.581	5.279	5.349	5.629	5.358	5.474	5.295	5.333	5.422	5.183	5.123	5.317	5.313	5.269	5.205	5.208	5.337	5.023	5.270	5.403	5.669	5.338	5.415	5.186	
1449692	at	Pkyc	Mm.28561	NA	4	7.574	7.263	7.813	7.663	7.743	7.468	7.696	7.583	7.537	7.513	7.704	7.546	7.584	7.624	7.481	7.576	7.692	7.644	7.602	7.559	7.602	7.619	7.641	7.587	
1449693	at	Map3k7	C87327	Mm.258589	4	7.844	7.532	8.063	7.923	7.963	7.865	8.011	8.036	7.820	7.733	7.922	7.982	7.658	7.948	7.776	7.984	7.753	7.807	7.869	7.821	7.656	7.796	7.659	7.963	
1449694	s at	Commnd5	C77953	Mm.291716	15	7.758	8.614	7.652	7.947	8.155	7.876	7.894	8.204	8.322	8.048	7.508	8.183	8.053	7.890	7.720	7.647	8.602	8.290	8.172	7.871	8.102	8.111	7.600	7.493	
1449695	at	BB273287	NA	NA	5	5.712	5.429	5.674	5.822	5.726	5.890	5.794	5.829	5.489	5.591	5.721	5.730	5.567	5.805	5.739	5.959	5.880	5.748	5.727	5.870	5.738	5.520	5.833	5.662	
1449696	at	Arnt	AU022700	Mm.250265	3	6.952	6.634	7.001	6.907	6.802	7.031	7.066	7.217	6.972	6.750	6.967	6.928	7.043	6.825	7.001	6.941	7.248	6.948	7.084	7.290	7.159	7.115	7.303	6.974	
1449697	s at	Mfn1	C79511	Mm.290414	3	12.758	12.281	12.783	12.600	11.934	12.465	12.520	12.379	11.941	12.247	12.259	12.303	12.035	12.194	12.342	12.804	12.602	12.457	12.727	12.754	12.503	12.298	12.765	12.722	
1449698	at	C330027C09Rik	AU018569	Mm.24491	16	6.060	6.127	6.148	6.038	6.008	6.133	6.102	6.324	6.336	5.979	6.251	5.986	5.970	6.118	6.303	6.021	6.009	5.939	6.106	6.146	5.945	6.149	6.011	6.152	
1449699	s at	C330027C09Rik	AU018569	Mm.24491	16	4.750	6.785	4.844	4.829	5.164	4.784	4.837	5.922	6.248	6.187	5.834	5.092	5.227	6.130	5.286	4.822	4.961	4.847	5.031	4.773	4.772	4.834	4.831	4.808	
1449700	at	Iob1a1	Mm.7454	NA	X	7.924	7.822	8.034	8.028	7.865	7.925	7.915	7.896	7.739	7.788	7.810	7.957	7.912	7.940	7.791	7.958	8.180	7.868	8.007	8.047	7.932	8.081	7.985	7.797	
1449701	at	Etf1	C77379	Mm.329353	18	5.466	5.583	5.393	5.362	5.466	5.212	5.477	5.468	6.049	5.470	5.725	5.446	5.500	5.542	5.334	5.421	5.465	5.464	5.469	5.291	5.488	5.684	5.327	5.399	
1449702	at	Zfand2a	AU016206	Mm.24521	5	8.583	8.891	8.580	8.607	8.776	8.818	8.700	8.715	8.790	8.918	8.772	8.637	8.727	8.831	8.758	8.741	8.637	8.705	8.648	8.787	8.583	8.499	8.695	8.594	
1449703	at	Zfand2a	AU016206	Mm.24521	5	5.902	5.633	5.773	5.804	5.665	5.777	5.915	5.833	5.762	5.733	5.708	5.888	5.829	5.864	5.825	5.713	5.958	5.929	5.904	5.731	5.875	5.842	5.892	5.782	
1449704	at	C80171	C80171	Mm.352689	14	5.810	5.225	5.204	5.394	5.336	5.498	5.497	5.483	5.377	5.488	5.581	5.515	5.503	5.314	5.245	5.441	5.480	5.473	5.477	5.557	5.481	5.486	5.680	6.057	
1449705	x at	Mcm3	C80350	Mm.4502	1	7.984	9.120	7.918	8.163	8.299	8.161	8.184	8.302	8.115	8.295	8.300	8.087	8.096	8.483	8.133	7.931	7.885	7.770	7.944	7.784	8.101	8.014	7.938	7.939	
1449706	s at	Nrs2a	C80272	Mm.16794	1	7.015	6.668	6.702	6.546	6.759	6.581	6.698	6.966	6.620	6.586	6.567	6.586	6.665	6.875	6.862	6.701	6.719	6.692	6.878	6.881	6.730	6.840	6.605	6.700	
1449707	at	Nrs2a	C80272	Mm.16794	1	5.150	4.983	5.122	5.091	5.302	5.103	5.154	5.051	5.085	5.054	5.282	5.162	5.126	5.204	5.062	5.093	5.087	5.001	5.192	5.098	5.157	5.087	5.054	5.239	
1449708	at	Chek1	C85740	Mm.16753	9	7.282	8.791	7.369	7.342	7.951	7.471	7.625	8.268	8.025	7.865	7.597	7.404	7.437	8.515	7.486	7.243	7.473	7.126	7.283	7.332	7.302	7.444	7.288	7.156	
1449709	s at	Ate1	AW547406	Mm.216321	7	10.215	10.222	10.200	10.335	10.239	10.225	10.110	9.961	9.804	9.985	9.775	10.132	9.977	10.003	10.038	10.253	10.125	10.029	10.188	10.128	10.182	10.180	10.200	10.213	
1449710	s at	Atp5a1	C78762	Mm.276137	18	14.631	14.352	14.716	14.704	14.514	14.674	14.658	14.386	14.061	14.312	14.470	14.380	14.326	14.339	14.573	14.690	14.540	14.557	14.651	14.641	14.577	14.546	14.732	14.769	
1449711	at	Atp6v1e1	C85064	Mm.29045	6	5.624	5.538	5.608	5.564	5.629	5.460	5.529	5.539	5.478	5.608	5.462	5.735	5.546	5.404	5.540	5.593	5.716	5.636	5.548	5.601	5.553	5.704	5.526	5.469	
1449712	s at	Atp6v1e1	C85064	Mm.29045	6	11.882	11.888	11.955	11.966	11.945	11.982	11.982	11.858	11.800	11.767	11.821	11.858	11.800	11.967	11.862	11.766	11.855	11.983	12.041	12.034	12.042	11.995	11.901	11.888	11.867
1449713	at	Cbx7	C85667	Mm.323442	15	6.117	5.989	6.103	6.288	5.981	6.071	6.103	6.225	5.932	6.016	5.971	6.085	6.003	6.079	6.104	6.315	6.171	6.054	6.213	6.137	6.251	6.267	6.105	6.354	
1449714	at	5730472N09Rik	AU019111	Mm.254974	2	11.990	10.109	10.105	10.102	10.781	10.982	10.777	10.437	10.107	10.537	10.107	10.559	10.122	10.768	10.122	11.068	11.068	11.068	11.068	11.068	11.068	11.068	11.068	11.068	11.068
1449715	at	C79309	NA	NA	4	4.230	4.281	4.195	4.134	4.144	4.288	4.400	3.965	4.147	4.000	4.063	4.147	4.237	4.170	4.088	4.323	4.779	4.131	4.152	4.132	4.132	4.387	4.132	4.387	
1449716	s at	Nrd1	AI875733	Mm.274950	4	8.749	8.464	8.730	8.827	8.657	8.711	8.732	8.619	8.435	8.692	8.714	8.609	8.546	8.680	8.476	8.827	8.773	8.663	8.746	8.720	8.841	8.672	8.762	8.872	
1449717	at	Na	BB826262	NA	NA	6.039	5.651	6.061	6.187	5.817	6.174	6.119	5.940	5.880	5.799	5.935	5.852	5.939	5.808	5.893	5.966	6.123	5.990	6.062	6.117	6.066	6.222	5.933	5.965	
1449718	s at	4930453N24Rik	AI649104	Mm.212157	16	7.488	7.649	7.615	7.374	7.414	7.320	7.521	7.635	7.601	7.822	7.524	7.656	7.335	7.587	7.509	7.563	7.378	7.395	7.445	7.299	7.443	7.570	7.569	7.820	
1449719	at	4930453N24Rik	AI649104	Mm.212157	16	4.150	4.064	3.947	4.132	4.023	4.119	4.207	4.115	3.971	4.010	4.009	3.998	4.323	4.189	3.963	4.036	3.787	4.053	4.064	4.065	3.945	3.721	4.030	3.870	
1449720	at	Na	AI652528	NA	NA	6.280	6.226	6.383	6.415	6.418	6.089	6.379	6.191	6.535	6.560	6.454	6.445	6.470	6.428	6.439	6.597	6.497	6.349	6.318	6.579	6.529	6.389	6.463	6.388	
1449721	at	Na	AA545222	NA	NA	7.118	6.533	6.619	6.734	6.570	6.747	6.960	6.788	6.598	6.422	6.767	6.514	6.686	6.742	6.529	6.795	6.813	6.659	6.750	6.955	6.899	6.397	6.820	6.735	
1449722	at	Na	AI92251092	NA	NA	5.186	4.980	4.302	4.969	4.727	4.935	4.953	4.844	4.053	4.844	4.336	4.054	4.794	4.264	4.808	5.292	4.225	4.244	4.332	4.372	4.332	4.372	4.332	4.372	
1449723	at	Serpinb6e	AI506527	Mm.442993	13	5.704	5.564	5.774	5.631	5.579	5.567	5.543	5.767	5.651	5.478	5.514	5.457	5.506	5.637	5.647	5.561	5.631	5.289	5.625	5.617	5.634	5.453	5.638	5.617	
1449724	s at	D7Ert6738e	AU019170	Mm.200723	8	11.553	11.595	11.173	11.058	11.658	11.526	11.493	11.484	11.651	11.536	11.527	11.653	11.606	11.292	11.533	11.727	11.823	11.700	11.620	11.601	11.546	11.473	11.323	11.323	
1449725	at	Gfp1	AI324119	Mm.391492	6	4.436	4.337	4.411	4.420	4.447	4.471	4.302	4.337	4.441	4.302	4.486	4.372	4.326	4.454	4.371	4.435	4.461	4.480	4.330	4.517	4.352	4.211	4.384	4.513	
1449726	at	Glxr3	AI482454	Mm.267692	7	6.649	6.162	6.659	6.521	6.615	5.810	6.437	6.381	6.381	6.249	6.924	6.020	6.637	6.483	6.410	6.505	5.844	6.094	6.271	6.360	6.647	6.110	6.619	6.218	
1449727	x at	Na	AI482454	NA	NA	5.325	5.312	5.187	5.471	5.200	5.188	5.337	5.248	5.054	5.501	5.399	5.129	5.057	5.165	5.034	5.204	5.288	5.241	5.092	4.995	5.394	5.815	5.189	5.190	
1449728	at	Na	AA591039	NA	NA	5.593	5.345	5.451	5.566	5.637	5.451	5.484	5.492	5.426	5.334	5.418	5.209													

1449777	at	LOC100043081	AV132298	Mm.458878	12	5.961	5.752	5.966	5.880	5.859	5.949	5.953	6.043	5.821	5.831	5.846	5.865	5.801	5.827	6.066	6.012	6.017	5.971	5.977	6.219	6.057	5.848	5.959	6.078	
1449778	at	NA	AV264531	NA	NA	4.184	4.083	4.179	4.139	4.170	4.360	4.339	4.131	3.986	4.064	4.245	4.112	3.981	4.217	4.153	4.194	4.373	4.305	4.119	4.339	4.112	4.199	4.235	4.205	
1449779	at	NA	BB182666	NA	NA	5.008	4.781	4.984	4.825	4.745	5.173	4.913	4.932	4.927	4.882	5.057	4.846	4.768	4.827	4.862	5.080	5.076	4.873	4.896	5.030	4.979	4.838	4.902	5.030	
1449780	at	NA	BB182666	NA	NA	5.408	5.122	5.321	5.202	5.250	5.215	5.354	5.224	5.259	5.147	5.368	5.249	5.257	5.248	5.056	5.363	5.293	5.373	5.228	5.418	5.287	5.432	5.081	5.276	
1449781	at	AA517650	AA517650	NA	13	6.750	6.770	6.474	6.378	6.190	6.628	6.763	6.249	6.224	6.387	6.390	6.134	6.359	6.571	6.506	6.344	6.594	6.707	6.651	6.941	6.560	6.347	6.500	4.770	
1449782	at	AA517650	AA517650	NA	13	6.499	6.433	6.427	6.420	6.463	6.392	6.435	6.509	6.387	6.331	5.550	6.269	6.452	6.578	6.485	6.384	6.209	6.489	6.442	6.395	6.406	6.566	6.305		
1449783	at	NA	AV240479	NA	NA	4.926	4.917	4.970	4.966	4.959	5.112	4.914	5.028	4.958	4.983	4.987	5.005	5.067	4.983	5.006	4.987	5.015	5.024	4.983	5.088	5.139	5.019	4.983	4.989	
1449784	at	NA	AV251734	NA	NA	3.891	3.568	3.656	3.711	3.654	3.731	3.670	3.720	3.722	3.615	3.690	3.608	3.723	3.765	3.837	3.584	3.706	3.685	3.777	3.699	3.655	3.424	3.632	3.684	
1449785	at	AA414993	AA414993	Mm.441380	11	3.928	3.970	4.072	3.914	3.837	3.953	4.020	3.795	3.847	3.951	3.907	3.908	3.935	3.912	3.923	4.133	3.934	4.028	3.982	4.294	3.957	3.822	3.921	3.891	
1449786	at	Zdhhc7	BB204543	Mm.240076	8	6.037	5.797	6.123	6.022	5.997	5.955	5.925	6.159	5.886	5.869	5.985	6.333	5.639	6.056	5.956	6.027	6.226	6.082	6.055	6.033	6.006	6.219	6.141	5.879	
1449787	at	NA	AV372861	NA	NA	8.140	7.642	7.983	8.183	7.862	7.962	8.123	7.947	7.975	7.775	7.841	7.810	7.847	7.968	7.885	8.094	8.013	7.940	8.103	8.113	8.036	7.894	8.027	8.011	
1449788	at	NA	AV342517	NA	NA	3.934	4.058	4.006	4.264	4.088	4.103	4.167	4.117	3.938	4.168	4.084	4.150	4.092	4.033	4.080	4.166	4.255	4.157	4.040	4.270	4.143	4.305	4.089	4.167	
1449789	x	at	LY966c	Mm.215096	17	8.121	7.998	8.135	8.237	8.198	7.869	8.069	8.195	8.142	8.006	8.241	8.022	8.159	8.139	8.013	8.232	8.272	7.998	8.071	8.102	8.267	8.098	8.084	8.150	
1449790	at	NA	AV293420	NA	NA	3.905	4.079	3.896	3.879	4.021	3.830	3.935	4.099	3.881	3.879	3.910	3.889	3.760	3.861	3.810	3.891	4.120	4.018	4.036	3.798	3.922	4.053	3.975	3.941	
1449791	x	at	SLc38a9	Mm.259799	13	5.597	5.718	5.515	5.412	5.453	5.535	5.679	5.401	5.655	5.582	5.543	5.589	5.565	5.583	5.450	5.249	5.475	5.469	5.698	5.416	5.550	5.380	5.572	5.542	
1449792	at	NA	AV354139	NA	NA	5.482	5.205	5.477	5.372	5.521	5.504	5.686	5.631	5.630	5.455	5.544	5.552	5.606	5.602	5.645	5.655	5.808	5.505	5.637	5.690	5.324	5.371	5.552	5.620	
1449793	at	NA	AV329014	NA	NA	6.552	6.272	6.512	6.668	6.383	6.316	6.592	6.517	6.529	6.320	6.523	6.412	6.484	6.398	6.368	6.447	6.455	6.432	6.466	6.556	6.473	6.451	6.532	6.361	
1449794	x	at	NA	AV370629	NA	NA	7.967	7.517	7.770	7.946	7.800	7.650	7.801	7.784	7.903	7.776	7.793	7.808	7.814	7.960	7.856	7.704	7.699	7.963	7.716	7.898	7.900	7.763	8.010	7.780
1449795	at	D2ErtD63e	C77692	Mm.422657	2	4.520	4.291	4.564	4.626	4.361	4.590	4.557	4.519	4.412	4.519	4.636	4.364	4.447	4.390	4.657	4.499	4.474	4.425	4.581	4.755	4.556	4.526	4.594	4.694	
1449796	at	NA	AV354142	NA	NA	7.376	6.951	7.370	7.306	7.277	7.103	7.285	7.275	7.335	7.142	7.528	7.182	7.307	7.219	7.334	7.408	7.108	7.150	7.241	7.435	7.474	7.214	7.613	7.291	
1449797	x	at	NA	AV354142	NA	NA	7.362	7.055	7.104	7.307	7.212	7.168	7.303	7.221	7.386	7.108	7.235	6.983	7.207	7.194	7.171	7.265	7.227	7.067	7.182	7.242	7.405	7.073	7.394	7.264
1449798	at	NA	AV331558	NA	NA	3.643	3.575	3.911	3.613	3.658	3.613	3.662	3.598	3.610	3.616	3.691	3.537	3.601	3.617	3.691	3.649	3.719	3.741	3.727	3.635	3.666	3.645	3.603	3.683	
1449799	s	at	Pkx2	AA516617	Mm.2252	16	12.567	12.420	12.312	12.131	12.595	11.976	12.196	12.707	12.698	12.732	12.996	12.798	12.811	12.306	12.624	12.283	12.393	12.130	12.138	12.063	12.544	12.787	12.317	12.290
1449800	x	at	Phf7	AI427892	Mm.5348	14	8.340	8.427	8.346	8.387	8.377	8.415	8.386	8.180	8.342	8.345	8.119	8.450	8.391	8.444	8.365	8.132	8.537	8.576	8.845	8.693	8.552	8.524	8.476	8.621
1449801	at	NA	AV089248	NA	NA	4.478	4.183	4.339	4.214	4.301	4.325	4.226	4.532	4.343	4.390	4.223	4.180	4.229	4.260	4.433	4.292	4.220	4.306	4.216	4.266	4.333	4.459	4.306	4.387	
1449802	x	at	NA	AV304639	NA	NA	5.060	4.664	5.116	5.050	4.831	4.831	5.065	4.783	4.715	4.745	4.825	4.933	4.729	4.817	5.083	5.096	4.902	4.847	5.019	5.034	5.020	4.988	4.981	5.078
1449803	at	NA	AB362925	Mm.207996	17	4.934	4.720	4.964	4.864	4.936	4.784	4.984	4.936	4.765	4.916	4.966	5.076	4.916	4.937	5.076	4.916	4.937	5.076	4.916	4.937	5.076	4.916	4.937	5.076	
1449804	at	NA	AV380429	Mm.507300	Point	11	9.064	8.602	8.987	8.946	8.787	8.744	8.875	8.640	8.755	8.809	8.794	8.837	8.750	8.845	8.852	8.975	9.963	8.897	9.300	9.029	8.884	8.825	9.003	9.002
1449805	at	Prs29	D19363	Mm.207082	17	7.645	7.441	7.735	7.719	7.618	7.551	7.661	7.684	7.775	7.731	7.901	7.588	7.548	7.859	7.727	7.741	7.839	7.663	7.591	7.685	7.942	7.777	7.767	7.748	
1449806	at	NA	AA420337	NA	NA	5.097	4.959	5.171	4.802	5.044	5.006	5.093	4.997	5.068	4.925	5.093	5.140	4.894	5.110	5.385	5.184	5.124	5.076	5.313	5.146	5.061	4.923	5.087	5.257	
1449807	x	at	NA	AV392447	NA	NA	4.303	4.190	4.334	4.096	4.207	4.356	4.189	4.226	4.076	4.192	4.230	4.134	4.198	4.171	4.169	4.520	4.245	4.243	4.160	4.473	4.415	4.079	4.265	4.118
1449808	at	NA	T25652	NA	NA	3.716	3.787	3.830	3.858	3.830	3.956	3.811	3.957	3.817	3.827	3.769	3.796	3.796	3.845	3.964	3.976	3.841	3.904	3.852	3.862	4.016	3.750	3.965	3.741	
1449813	at	Zfp30	NM 013705	Mm.292690	7	8.716	7.763	9.071	8.985	9.161	9.176	7.833	9.075	8.352	8.486	9.058	8.416	8.877	7.778	9.438	9.099	9.585	9.484	9.971	10.385	9.449	9.956	10.101	8.740	9.475
1449814	at	Frat1	NM 008043	Mm.4573	19	7.499	7.208	7.302	7.252	7.255	7.357	7.279	7.329	7.200	7.143	7.267	7.094	7.178	7.059	7.469	7.232	7.443	7.440	7.525	7.519	7.472	7.358	7.280	7.400	
1449815	at	NA	AB362925	Mm.207996	13	10.505	10.766	10.591	10.306	10.712	10.089	10.289	10.258	11.377	10.544	10.492	10.026	10.344	10.256	10.554	10.523	10.330	10.523	10.523	10.523	10.523	10.523	10.523	10.523	10.523
1449816	at	Sul5a1	NM 020564	Mm.6562	8	7.032	7.161	7.232	7.372	7.579	7.204	7.302	7.287	7.291	7.451	7.436	7.390	7.463	7.445	7.495	7.453	7.487	7.671	7.369	7.354	7.404	7.566	7.446	7.399	7.336
1449817	at	Abcb11	NM 021022	Mm.439855	2	6.495	6.068	6.394	6.314	6.174	6.188	6.206	6.281	6.491	6.241	6.156	6.398	6.171	6.425	6.294	6.405	6.112	6.056	6.120	6.321	6.384	6.316	6.312	6.284	6.471
1449818	at	Abcb4	NM 008830	Mm.297825	5	9.936	9.721	10.281	10.061	10.205	10.032	10.239	10.409	9.281	9.553	10.500	9.828	9.421	9.667	9.812	10.195	10.159	10.210	10.145	10.244	10.007	10.094	9.894	10.098	
1449819	at	Dmc1	D58419	Mm.2524	15	4.513	4.194	4.358	4.406	4.259	4.327	4.377	4.481	4.307	4.258	4.383	4.229	4.229	4.164	4.210	4.502	4.426	4.259	4.457	4.486	4.253	4.367	4.333	4.492	
1449820	at	Cort	NM 007745	Mm.6204	4	8.560	8.344	8.486	8.486	8.395	8.488	8.636	8.503	8.548	8.343	8.601	8.300	8.564	8.442	8.496	8.525	8.484	8.394	8.551	8.650	8.556	8.487	8.602	8.507	
1449821	a	at	Memor1	NM 133771	Mm.311874	17	10.913	11.364	10.982	10.909	10.853	11.022	11.164	11.060	11.082	11.122	11.084	10.925	10.958	11.114	10.836	10.909	10.763	10.777	10.967	10.745	10.854	10.862	10.708	

1449870	a	at	Atp6v0a2	NM	011596	Mm.1158	5	8.584	9.084	8.698	8.798	8.647	8.617	8.705	8.400	8.936	8.906	8.676	8.704	8.533	8.796	8.403	8.676	8.868	8.256	8.676	8.640	8.590	8.328	8.309	8.633	8.637
1449871	at	Tbx18	NM	023814	Mm.158789		9	5.616	5.536	5.302	5.298	5.515	5.317	5.404	5.458	5.462	5.412	5.361	5.431	5.670	5.595	5.228	5.534	5.296	5.246	5.375	5.500	5.307	5.127	5.559	5.307	
1449872	at	Hspb3	NM	019960	Mm.41410		13	8.773	8.933	8.632	8.589	8.751	8.681	9.203	9.495	8.426	8.381	9.186	8.788	8.454	8.558	8.469	8.504	9.239	9.030	8.544	8.685	9.181	8.940	8.338	8.538	
1449873	at	Bmp8a	NM	007558	Mm.439749		4	6.299	5.873	6.120	6.080	5.997	5.958	6.051	6.042	6.031	5.978	6.221	5.892	6.016	6.072	6.023	6.101	5.948	5.950	6.109	6.104	6.178	5.992	6.073	6.282	
1449874	at	Ly6g	NM	010973	Mm.116844		1	7.313	7.899	7.437	7.319	7.566	7.216	7.345	8.064	7.968	7.840	7.426	7.534	7.864	7.619	7.491	7.415	7.462	7.388	7.404	7.511	7.597	7.274	7.440		
1449875	at	H2-T10	NM	010395	Mm.475851		17	8.844	9.924	9.311	9.134	9.385	9.421	10.731	9.490	9.985	9.938	9.311	9.521	9.758	9.811	9.580	9.210	9.150	9.220	9.387	9.329	9.240	8.886	8.834		
1449876	at	Pk1	NM	011160	Mm.381170		19	8.553	8.639	8.284	6.963	8.248	7.461	7.337	8.231	8.312	8.423	8.261	7.808	7.597	7.401	7.362	8.054	8.105	7.877	8.109	7.583	7.266	7.436	6.944	6.609	
1449877	s	at	LOC100044746	NM	016761	NA	17	6.095	6.774	6.187	6.247	6.375	6.218	6.172	6.589	6.532	6.297	6.244	6.282	6.334	6.439	6.035	6.123	6.293	6.021	6.172	6.133	6.231	6.179	6.178	5.976	
1449878	at	Slc12a6	NM	133648	Mm.475657		2	9.464	9.488	9.492	9.463	9.679	9.608	9.516	9.473	9.749	9.896	9.597	9.737	9.853	9.733	9.778	9.644	9.535	9.519	9.626	9.643	9.542	9.556	9.474	9.836	
1449879	at	B70008F21Rik	NM	029292	Mm.286964		8	3.716	3.714	3.654	3.694	3.743	3.659	3.625	3.583	3.584	3.806	3.768	3.549	3.747	3.661	3.740	3.823	3.741	3.799	3.662	3.619	3.694	3.570	3.785	3.805	
1449880	s	at	Lqlap1	NM	007541	Mm.389459	3	8.535	8.207	8.407	8.628	8.545	8.511	8.382	8.723	8.563	8.356	8.668	8.533	8.748	8.745	8.490	8.603	8.580	8.396	8.555	8.389	8.585	8.478	8.233	8.320	
1449881	at	Casr	AF128842	Mm.103619		16	8.247	7.845	8.237	8.042	8.002	8.255	8.122	8.077	7.996	8.001	8.279	7.891	8.067	8.187	8.155	8.223	8.183	8.153	8.220	8.324	8.263	8.177	8.197	8.180		
1449882	a	at	Casr	AF128842	Mm.103619		16	5.585	5.028	5.343	5.319	5.296	5.182	5.338	5.683	5.217	5.242	5.407	5.349	5.440	5.200	5.294	5.249	5.570	5.134	5.191	5.388	5.536	5.439	5.479		
1449883	at	Fxyd2	NM	052824	Mm.22742		9	6.814	6.798	6.885	6.845	6.825	6.823	6.766	7.166	6.930	6.785	6.616	6.797	6.833	6.978	6.915	6.959	6.895	6.750	6.923	6.852	6.941	6.828	6.860	6.954	
1449884	at	Efcab2	BC025062	Mm.252132		1	7.857	6.798	7.889	7.825	7.215	7.514	7.204	7.424	6.149	6.458	6.470	6.951	6.584	6.195	7.057	7.832	7.709	7.862	8.006	7.925	7.578	7.838	7.735	7.830		
1449885	at	Tmem47	NM	138751	Mm.297197	X	8	8.351	8.167	8.327	7.788	7.389	7.981	7.880	7.698	7.689	8.065	7.911	7.150	7.490	7.936	7.608	8.290	7.515	7.173	7.513	7.691	7.338	7.780	7.773	8.048	
1449886	a	at	Timm9	NM	013896	Mm.207767	12	7.811	7.985	8.039	7.871	7.735	7.881	7.983	7.876	7.553	7.828	7.625	8.029	7.146	7.881	7.771	7.893	7.823	7.935	7.951	7.793	7.822	8.019	7.686	8.132	
1449887	at	Chmp4c	BI695131	Mm.366147		3	4.120	4.099	4.387	4.067	4.169	4.421	4.087	4.252	3.907	4.061	4.042	4.247	3.960	4.076	4.179	4.140	4.102	4.071	4.000	4.028	4.042	4.244	4.137	4.263		
1449888	at	Epa1	U81983	Mm.1415		17	7.285	7.371	7.215	7.272	7.271	7.066	7.326	7.458	7.459	7.225	7.456	7.278	7.187	7.287	7.195	7.040	7.392	7.294	7.079	6.929	7.493	7.462	7.204	7.209		
1449889	a	at	Ocad1	NM	023429	Mm.247039	5	11.991	12.098	11.958	11.913	12.057	11.999	11.967	11.982	12.052	12.059	11.952	11.935	11.860	11.956	11.788	11.953	11.988	12.083	12.007	12.002	11.828	11.904	11.836	11.772	
1449890	at	Uut2b37	NM	053215	Mm.160362		5	4.112	4.056	4.256	4.055	3.891	4.016	4.126	4.112	3.930	3.866	4.108	4.006	4.185	4.064	3.912	4.256	4.018	4.041	4.032	3.991	4.001	4.067	4.091	4.188	
1449891	a	at	Dcbid2	NM	028523	Mm.373589	16	6.726	6.927	6.890	6.844	6.917	6.978	6.874	7.037	7.263	7.219	6.961	6.870	6.967	7.032	6.988	6.861	6.779	6.854	6.809	6.903	6.776	6.667	6.854	7.049	
1449892	at	Lyz11	NM	026092	Mm.158148		18	6.644	6.464	6.533	6.625	6.485	6.449	6.753	6.544	6.359	6.121	6.496	6.491	6.420	6.675	6.297	6.430	6.576	6.552	6.547	6.666	6.650	6.618	6.645	6.745	
1449893	a	at	Lrrc1	NM	008377	Mm.245210	6	8.184	8.830	8.359	8.491	8.964	8.765	8.455	8.489	8.865	8.893	8.649	8.869	8.733	8.578	8.794	8.568	8.945	8.836	8.680	8.589	8.804	8.848	8.539	8.881	
1449894	at	Lrrc18	NM	026253	Mm.46115		14	5.083	4.901	5.130	5.352	5.106	5.209	5.087	5.275	4.975	4.871	5.189	5.069	5.052	5.087	5.097	5.101	5.309	5.149	5.182	5.283	5.152	5.149	5.110	5.300	
1449895	at	Acr	M85170	Mm.57		15	6.830	6.564	6.780	6.703	6.653	6.848	6.881	6.920	6.720	6.515	6.730	6.594	6.717	6.688	6.764	6.784	6.885	6.812	6.765	6.967	6.952	6.935	6.824	7.077		
1449896	at	Mish	NM	053015	Mm.165220	X	1	7.533	6.755	7.034	6.746	6.804	6.746	6.712	6.702	6.734	6.702	6.734	6.702	6.734	6.702	6.734	6.702	6.734	6.702	6.734	6.702	6.734	6.702	6.734	6.702	
1449897	at	Mtcp1	NM	010639	Mm.16366		8	9.533	9.611	9.551	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	9.774	
1449898	at		1-Sep	NM	017461	Mm.18	7	7.799	7.536	7.568	7.466	7.531	7.518	7.535	7.571	7.458	7.473	7.667	7.485	7.574	7.557	7.505	7.829	7.743	7.688	7.670	7.997	7.469	7.517	7.449	7.554	
1449899	at	Grin3b	NM	130455	Mm.391566		10	5.860	5.956	5.582	5.723	5.706	5.479	5.598	6.074	5.885	5.793	5.776	5.836	5.488	5.736	5.611	5.749	5.919	6.021	5.875	5.542	6.080	6.141	5.797	5.818	
1449900	at	Galc	BF168119	Mm.5120		12	4.530	4.335	4.647	4.528	4.609	4.655	4.554	4.559	4.443	4.448	4.573	4.363	4.382	4.498	4.405	4.572	4.460	4.420	4.625	5.014	4.552	4.523	4.614	4.443		
1449901	a	at	Map3k6	NM	016693	Mm.36640	4	8.261	8.003	8.063	7.566	8.193	7.705	7.375	8.278	7.770	7.658	7.971	7.811	7.839	7.434	8.297	8.224	7.099	7.157	7.079	6.970	8.843	8.738	9.214	8.879	
1449902	at	Lce1f	AV014636	Mm.158176		9	5.216	4.865	5.301	5.043	4.779	4.914	5.033	4.672	4.899	4.903	5.102	4.814	5.066	4.977	5.113	5.036	4.992	4.847	5.157	5.214	5.076	4.948	5.238	5.279		
1449903	at	Crtam	NM	019465	Mm.42791		9	5.436	5.323	5.321	5.330	5.229	5.280	5.282	5.403	5.484	5.311	5.329	5.142	5.218	5.337	5.107	5.303	5.256	5.286	5.475	5.332	5.343	5.465	5.424	5.250	
1449904	at	Dox2	NM	026707	Mm.22328		16	7.552	7.029	7.056	7.293	7.453	7.254	7.297	7.182	7.301	7.351	7.322	7.435	7.210	7.457	7.245	7.111	7.164	7.101	7.164	7.383	7.363	7.358	7.352		
1449905	at	Clec4f	NM	016751	Mm.3315		6	7.067	6.952	6.947	7.155	7.009	6.953	6.988	7.000	7.096	6.928	7.060	6.939	7.132	7.261	7.060	6.999	7.043	6.961	7.014	6.965	7.072	7.015	7.181	6.979	
1449906	at	Slep	M72332	Mm.3337		1	7.209	7.019	6.603	6.013	6.218	6.624	6.129	5.703	7.142	6.856	8.441	6.257	6.435	7.090	6.022	6.503	6.062	5.725	6.133	5.965	5.591	5.651	6.010	5.670		
1449907	at	Bcmo1	NM	021486	Mm.174133		8	5.473	5.597	5.621	5.435	5.306	5.580	5.598	5.510	5.542	5.520	5.553	5.494	5.800	5.755	5.497	5.525	5.678	5.480	5.606	5.573	5.323	5.537	5.730	5.558	
1449908	at	Gip	NM	008119	Mm.248452		11	6.897	6.867	6.736	6.929	6.712	6.583	6.848	6.951	6.854	6.720	6.874	6.614	6.644	6.847	6.766	6.693	6.929	6.662	6.658	6.770	6.902	6.895	6.921	6.878	
1449909	at	2210005H15Rik	NM	029733	Mm.379760		16	4.530	4.714	4.561	4.716	4.611	4.613	4.560	4.780	4.598	4.793	4.817	4.736	4.569	4.701	4.752	5.080	4.899								

1449959	x at	Lce1h	NM 026335	Mm.23784	3	9.456	9.209	9.429	9.507	9.468	9.365	9.504	9.415	9.480	9.449	9.460	9.388	9.434	9.496	9.621	9.619	9.372	9.461	9.391	9.550	9.400	9.262	9.411	9.472	
1449960	at	Nptx2	NM 016789	Mm.10099	5	6.224	5.764	6.057	6.132	6.132	5.824	6.176	6.131	6.006	5.865	6.230	6.268	6.016	6.302	6.039	6.135	6.432	6.179	5.724	6.318	6.187	6.243	6.059	6.144	
1449961	at	Rph3a	NM 011286	Mm.181166	5	5.604	5.147	5.242	5.418	5.367	5.358	5.192	5.408	5.303	5.381	5.368	5.437	5.252	5.243	5.269	5.448	5.400	5.190	5.376	5.444	5.347	5.472	5.371	5.450	
1449962	at	Prame13	NM 031390	Mm.108239	X	3.976	4.028	3.996	4.167	3.830	3.919	3.885	3.844	3.889	3.781	3.879	3.876	3.816	3.941	3.999	3.864	3.891	4.031	4.042	3.926	3.843	3.987	4.000	3.914	
1449963	at	Krtap2-3	NM 028351	Mm.25707	11	4.202	4.242	4.201	4.212	4.218	4.234	4.259	4.300	4.189	4.381	4.232	4.159	4.336	4.223	4.376	4.233	4.274	4.282	4.150	4.052	4.387	4.115	4.168	4.172	
1449964	at	Mlycd	NM 019966	Mm.423037	8	10.242	9.982	10.114	10.430	9.956	10.376	10.217	10.235	9.625	9.642	9.662	6.660	10.044	9.851	7.702	10.243	10.314	11.103	11.078	10.962	10.980	10.676	10.853	10.577	10.879
1449965	at	Mcpd8	NM 008572	Mm.41979	14	6.373	6.380	6.601	6.579	6.372	6.495	6.543	6.390	6.359	6.197	6.533	6.242	6.274	6.525	6.573	6.402	6.381	6.609	6.401	6.584	6.654	6.334	6.623	6.684	
1449966	s at	Cab39l	NM 026908	Mm.179091	10	8.367	8.225	8.154	8.098	7.940	8.191	8.233	8.261	8.144	8.121	8.324	8.096	8.179	8.416	8.263	8.225	8.159	8.394	8.352	8.291	8.161	8.215	8.225	8.278	
1449967	at	Sim1	NM 011376	Mm.4774	14	5.092	5.221	5.213	5.085	5.124	5.025	5.093	5.180	5.197	5.084	5.134	5.087	5.168	5.090	5.116	5.365	5.112	5.276	5.325	5.334	5.203	5.136	5.095	5.298	
1449968	s at	Acto110	NM 022816	Mm.352763	15	9.890	10.975	9.945	9.752	10.352	9.930	10.068	10.308	11.013	11.116	10.428	10.605	10.537	10.928	10.428	9.842	9.729	9.611	9.921	9.641	9.657	9.821	9.794	9.969	
1449969	at	Tmod4	NM 016712	Mm.71935	3	8.591	7.880	8.571	8.413	8.194	8.928	9.047	8.970	7.296	7.489	7.984	8.256	7.892	7.660	8.451	8.432	9.602	9.310	8.547	8.619	9.708	9.766	9.152	8.917	
1449970	at	Caon12	NM 021894	Mm.81144	7	6.880	6.361	6.888	6.801	6.701	6.733	6.878	6.774	6.482	6.691	6.848	6.623	6.592	6.568	6.639	6.815	6.914	6.859	6.603	7.157	6.974	6.722	6.793	6.800	
1449971	a at	Cd209f	NM 026956	Mm.171061	8	7.663	7.075	7.495	7.423	7.427	7.470	7.601	7.408	7.281	7.310	7.462	7.343	7.342	7.501	7.443	7.525	7.493	7.372	7.537	7.586	7.745	7.403	7.433	7.497	
1449972	s at	Zfp97	NM 011765	Mm.436633	17	7.735	7.393	8.019	7.549	7.462	7.647	7.878	8.032	7.581	8.036	6.988	7.843	7.553	7.609	7.853	7.886	8.193	7.835	7.575	7.612	7.895	8.511	7.728	7.285	
1449973	a at	Pelp1	NM 029231	Mm.340601	11	6.293	6.142	6.129	6.347	6.124	6.243	6.291	6.182	5.988	5.947	6.152	6.174	6.132	6.134	5.858	5.962	6.418	6.220	6.177	6.170	6.169	6.030	6.177	6.173	
1449974	at	Gapdh8	M60978	Mm.436562	7	8.785	8.573	8.834	8.905	8.838	8.702	8.794	8.832	8.878	8.739	8.957	8.492	8.820	8.823	8.866	8.636	8.746	8.878	8.760	8.886	9.005	8.837	9.090	8.891	
1449975	a at	Park2	AF250293	Mm.311110	17	8.907	7.387	7.864	7.825	8.167	7.779	7.185	7.876	7.427	7.618	7.346	8.320	8.105	7.467	8.034	7.722	8.243	8.148	8.132	8.012	8.545	8.292	8.262	8.060	
1449976	a at	Gpr35	NM 022320	Mm.152780	1	6.921	7.509	6.821	6.432	6.635	6.770	6.641	6.701	7.297	6.836	7.360	6.489	6.661	7.502	6.366	6.575	6.498	6.106	6.494	6.149	6.337	6.464	6.615	6.477	
1449977	at	Egr4	NM 020596	Mm.44137	6	7.122	7.107	6.971	7.139	7.038	6.919	7.024	7.337	7.374	7.149	7.515	7.017	7.217	7.115	6.989	6.856	7.123	7.018	7.076	7.022	7.020	7.004	7.111	6.953	
1449978	at	Zfy2	NM 009571	Mm.411381	Y	8	4.272	4.515	4.487	4.601	4.417	4.357	4.307	4.455	4.357	4.425	4.421	4.336	4.332	4.358	4.443	4.507	4.561	4.496	4.615	4.522	4.346	4.393	4.445	
1449979	a at	Spock3	NM 023689	Mm.334552	8	3.558	3.668	3.639	3.554	3.730	3.786	3.638	3.579	3.677	3.647	3.640	3.619	3.609	3.601	3.684	3.491	3.771	3.608	3.651	3.741	3.605	3.751	3.675	3.598	
1449980	a at	Gabrd	NM 008072	Mm.388925	4	5.897	5.780	5.708	5.857	5.589	5.428	5.726	5.699	5.548	5.481	5.562	5.722	5.742	5.729	5.513	5.620	5.572	5.399	5.626	5.985	5.717	5.495	5.670	5.692	
1449981	a at	Nat12	NM 010874	Mm.4695	8	7.531	7.609	7.365	7.182	7.672	7.533	7.409	7.407	8.040	7.783	7.343	7.572	7.570	7.574	7.586	7.377	7.532	7.558	7.624	7.466	7.363	7.704	7.085	7.373	
1449982	at	Il11	NM 008350	Mm.35814	7	7.007	6.723	6.825	6.687	6.795	6.890	6.789	6.848	6.883	6.995	6.779	6.760	6.904	6.859	6.898	6.961	6.958	6.913	6.867	7.150	6.902	6.870	6.785	6.949	
1449983	a at	Nqo2	NM 020282	Mm.252210	13	8.860	9.100	9.123	9.057	8.813	8.946	8.974	8.712	8.829	8.862	8.604	8.810	8.841	8.854	8.782	9.027	9.045	9.019	9.087	9.181	9.057	8.971	8.888	9.159	
1449984	at	Cxcl2	NM 009140	Mm.4979	5	6.387	5.415	5.802	5.346	5.818	5.964	6.012	5.587	5.549	5.362	7.997	5.221	6.012	5.940	5.575	5.677	5.182	5.179	5.357	5.347	5.231	4.880	5.688	5.390	
1449985	at	Trpm72E05Rik	NM 030765	Mm.158620	X	12	6.121	6.290	6.555	6.669	6.405	6.582	6.551	6.354	6.969	7.098	6.432	6.391	6.693	6.954	6.673	6.157	6.293	6.132	6.134	6.202	6.596	5.937	5.817	
1449986	a at	Zfp130034C09Rik	NM 054100	Mm.160339	16	4.254	4.443	4.242	4.363	4.489	4.405	4.401	4.315	4.326	4.306	4.407	4.322	4.327	4.347	4.322	4.337	4.347	4.322	4.337	4.347	4.322	4.337	4.347	4.322	4.337
1449987	at	Alk	NM 007439	Mm.311854	17	6.901	6.674	6.795	6.747	6.870	6.801	6.964	6.772	6.767	6.444	7.013	6.651	6.818	6.763	6.907	6.735	6.799	6.749	6.735	7.009	6.885	6.870	6.847	6.788	
1449988	at	Gimap1	NM 008376	Mm.252599	6	7.418	7.883	7.767	7.800	7.826	7.471	7.378	8.257	7.840	7.915	7.894	8.050	7.859	7.896	7.908	7.752	7.864	7.890	7.712	7.553	7.798	7.922	7.669	7.775	
1449989	at	Mcp2	NM 008571	Mm.4409	14	7.028	6.531	7.005	6.939	6.596	6.678	6.987	6.955	6.518	6.565	6.800	6.507	6.914	6.850	6.974	6.845	6.877	7.092	6.905	6.959	6.896	6.785	7.070	6.982	
1449990	at	Il2	AF065914	Mm.14190	3	5.511	5.102	5.775	5.448	5.595	5.453	5.570	5.456	5.399	5.353	5.641	5.547	5.490	5.493	5.615	5.816	5.708	5.396	5.562	5.915	5.566	5.334	5.483	5.722	
1449991	at	Ccd2	NM 018729	Mm.2299	1	4.314	4.464	4.293	4.510	4.286	4.420	4.438	4.181	4.553	4.108	4.378	4.163	4.441	4.469	4.239	4.211	4.228	4.419	4.068	4.153	4.528	4.234	4.129	4.302	
1449992	at	Psd29	AF442819	Mm.207082	17	7.170	6.899	7.033	7.160	7.058	7.077	7.083	7.130	6.929	6.924	7.004	6.867	6.989	6.751	7.035	7.022	7.022	7.004	7.049	7.054	7.175	7.077	7.050	7.344	
1449993	at	Scn10b	NM 030765	Mm.158620	12	6.121	6.290	6.555	6.669	6.405	6.582	6.551	6.354	6.969	7.098	6.432	6.391	6.693	6.954	6.673	6.157	6.293	6.132	6.134	6.202	6.596	5.937	5.817	5.817	
1449994	at	Epn3	NM 053087	Mm.197319	5	7.226	6.610	7.175	7.003	6.914	7.158	6.793	6.718	6.645	6.904	7.097	6.891	6.775	6.836	6.959	6.980	6.556	6.985	6.905	6.994	6.921	6.590	7.146	7.104	
1449995	at	A4933421107Rik	NM 027702	Mm.158598	7	6.874	6.524	6.691	6.667	6.723	6.627	6.768	6.736	6.613	6.630	6.755	6.564	6.700	6.675	6.658	6.737	6.815	6.936	6.660	6.868	6.621	6.621	6.746	6.618	
1449996	a at	Tpm3	NM 022314	Mm.240839	3	6.903	7.807	6.979	6.910	7.075	6.902	6.992	6.862	8.190	8.213	6.889	7.293	6.885	7.580	7.044	6.927	6.555	6.634	7.092	6.770	6.373	6.778	6.881	7.022	
1449997	at	Tpm3	NM 022314	Mm.240839	3	7.196	7.737	6.931	7.062	7.312	7.023	7.050	7.165	8.090	8.215	7.474	7.615	7.374	7.614	7.168	7.151	6.999	7.016	7.206	7.124	7.040	7.075	7.115	7.210	
1449998	at	Nkx3-1	NM 010921	Mm.3520	14	6.940	6.661	6.776	6.722	6.832	6.555	6.816	6.834	6.960	6.725	6.928	6.678	7.092	6.832	6.918	6.816	6.751	6.716	6.899	6.899	6.767	6.512	7.044	6.859	
1449999	a at	Cacna2d1	NM 009784	Mm.159942	5	10.418	10.549	10.383	10.418	10.625	10.788	10.544	10.273	10.181	10.481	10.321	1													

1450048	a	at	ldh2	NM	008322	Mm.246432	7	14.305	13.506	14.491	14.482	13.667	14.387	14.259	13.827	12.647	13.290	13.989	13.710	13.443	13.476	14.106	14.498	14.307	14.237	14.189	14.486	14.315	14.251	14.585	14.364	
1450049	a	at	Hira	AW537496	Mm.15694		16	4.522	4.678	4.506	4.518	4.473	4.754	4.630	4.833	4.439	4.598	4.661	4.586	4.694	4.429	4.585	4.465	4.759	4.442	4.686	4.590	4.566	4.499	4.561		
1450050	a	at	Hira	AW537496	Mm.15694		16	7.312	7.659	7.166	7.333	7.325	7.230	6.943	7.636	7.516	7.159	7.358	7.531	7.422	7.265	7.193	7.071	7.548	7.528	7.272	6.994	7.535	7.668	7.178	7.010	
1450051	a	at	Attrx	BB825830	Mm.10141	X		9.366	9.545	9.348	9.490	9.584	9.526	9.408	9.700	9.526	9.470	9.174	9.905	9.682	9.356	9.676	9.506	10.065	9.751	9.639	9.536	9.749	10.165	9.459	9.472	
1450052	a	at	Kif2a	NM	008442	Mm.355686	13	7.850	8.046	7.796	7.734	7.792	7.914	7.774	7.889	7.956	7.901	7.864	7.811	7.798	8.041	7.712	7.852	7.519	7.441	7.799	7.750	7.862	7.504	7.937	7.837	
1450053	a	at	Kif2a	NM	008442	Mm.355686	13	8.346	9.010	8.655	8.406	8.573	8.674	8.578	8.648	8.646	8.944	8.686	8.669	8.652	8.892	8.792	8.858	8.386	8.335	8.547	8.375	8.331	8.349	8.484	8.570	
1450054	a	at	Add1	BF140063	Mm.289106		5	11.260	11.621	11.618	11.681	11.831	11.859	11.577	11.089	11.758	11.869	11.505	11.773	11.741	11.828	11.812	11.636	11.271	11.548	11.658	11.666	11.179	11.177	11.461	11.670	
1450055	a	at	Vsm1	NM	012038	Mm.27005	12	5.075	4.647	5.069	4.991	5.043	4.780	5.082	5.174	5.050	4.850	5.320	5.123	4.965	5.025	5.042	5.056	5.172	5.204	5.278	5.315	5.108	5.140	5.151	5.173	
1450056	a	at	Apcn	NM	007462	Mm.384171	18	6.755	7.064	6.984	6.752	6.990	7.138	6.710	6.849	7.111	6.943	7.115	6.983	6.980	7.108	7.054	6.976	6.666	6.759	6.971	6.843	6.971	6.769	6.773	7.134	
1450057	a	at	Sys1	NM	025575	Mm.44218	2	7.754	7.908	7.746	7.661	7.486	7.496	7.715	7.926	8.026	7.807	7.763	7.866	7.852	7.853	7.710	7.725	7.756	7.719	7.647	7.364	7.805	8.159	7.517	7.435	
1450058	a	at	Asph	NM	023066	Mm.239247	4	8.829	8.700	8.964	8.898	9.034	9.181	9.041	8.999	8.834	8.499	8.554	8.743	8.732	8.737	8.779	9.053	8.197	8.670	9.108	9.039	8.369	8.166	8.805	9.455	
1450059	a	at	Fancu	BG072083	Mm.23122		4	6.398	6.742	6.378	6.608	6.573	6.507	6.525	6.617	7.042	6.817	6.406	6.665	6.878	6.545	6.551	6.428	6.431	6.471	6.394	6.484	6.534	6.430	6.483	6.330	
1450060	a	at	Pitr	NM	011082	Mm.276414	1	6.027	5.793	5.805	5.979	5.926	5.916	5.852	5.903	6.019	5.864	5.868	5.883	5.929	5.973	5.849	5.936	5.717	5.690	5.848	5.987	5.58	5.910	5.929	5.903	
1450061	a	at	Enc1	BM120053	Mm.241073		13	9.363	8.965	9.146	9.048	9.183	9.106	9.015	8.502	9.088	9.199	9.297	9.065	8.937	9.080	8.946	9.156	8.518	8.608	8.838	8.701	8.517	8.567	8.321	9.011	9.570
1450062	a	at	Maeq1	NM	019791	Mm.27578	X		10.295	10.760	10.173	10.236	10.496	10.317	10.058	10.157	10.814	10.760	10.362	10.807	10.850	10.589	10.356	10.144	10.362	10.392	10.327	10.142	10.099	10.219	9.862	9.844
1450063	a	at	Fmn2	BM228488	Mm.330620		1	5.678	5.161	5.665	5.475	5.258	5.383	5.700	5.464	5.456	5.551	5.464	5.321	5.573	5.252	5.631	5.721	5.595	5.308	5.755	5.990	5.489	5.362	5.409	5.805	
1450064	a	at	Fmn2	BM228488	Mm.330620		1	4.434	4.264	4.361	4.496	4.233	4.585	4.326	4.301	4.242	4.252	4.431	4.124	4.329	4.346	4.266	4.439	4.570	4.584	4.112	4.493	4.327	4.428	4.337	4.327	
1450065	a	at	Adcv7	NM	007406	Mm.288206	8	7.213	9.076	7.346	7.641	8.868	7.951	7.612	8.286	9.642	9.536	8.284	9.423	9.333	8.877	8.759	7.251	6.640	7.179	7.186	6.670	6.914	6.992	6.529	7.007	
1450066	a	at	Ubr1	B0173927	Mm.389330		2	10.225	10.337	10.332	10.214	10.298	10.563	10.443	10.244	10.117	10.350	10.167	10.263	10.246	10.344	10.348	10.366	10.234	10.246	10.318	10.350	10.098	10.340	10.403	10.259	
1450067	a	at	1810034K20Rik	NM	023937	Mm.24601	14	9.461	9.932	9.394	9.594	9.631	9.507	9.339	9.637	9.900	8.895	9.555	9.681	9.670	9.479	9.413	9.344	9.593	9.562	9.487	9.408	9.600	9.485	8.990	9.194	
1450068	a	at	Bab1	BB253608	Mm.40331		5	8.959	8.779	9.016	8.876	8.963	8.893	8.802	8.669	8.522	8.706	8.725	8.644	8.674	8.801	8.817	8.985	8.711	8.561	8.772	8.921	8.633	8.677	8.804	9.020	
1450069	a	at	Cuab2	BB667096	Mm.398543		2	10.391	10.711	10.347	10.156	10.500	10.504	10.532	10.772	10.552	10.695	10.491	10.570	10.591	10.771	10.593	10.278	10.457	10.513	10.527	10.284	10.360	10.529	10.275	10.349	
1450070	a	at	Pak1	BF456404	Mm.260227		7	7.466	8.392	7.199	7.493	7.941	7.716	7.644	7.762	7.660	8.236	7.965	7.814	7.962	8.426	8.003	7.458	7.222	7.230	7.564	7.207	7.097	7.222	7.463	7.260	
1450071	a	at	Ash1	BG694892	Mm.130752		3	9.733	9.389	9.930	9.723	9.705	9.751	9.772	9.255	9.198	9.521	9.665	9.519	9.446	9.531	9.828	10.015	9.329	9.505	9.719	9.698	9.378	9.420	9.970	10.077	
1450072	a	at	Ash1	BG694892	Mm.130752		3	10.087	9.713	10.005	9.764	9.759	9.833	9.831	10.017	9.658	9.948	9.851	9.855	9.903	9.758	9.475	9.903	9.972	9.944	9.765	9.853	9.697	9.756	10.328	10.000	10.114
1450073	a	at	Kif3b	BB448784	Mm.315560		2	6.979	6.610	6.896	7.000	6.611	6.773	6.899	6.845	6.844	6.778	6.862	6.706	6.915	6.903	6.841	6.976	6.955	6.666	6.929	6.965	6.996	6.375	7.050	6.992	
1450074	a	at	Grb1	BM048784	Mm.315560		2	8.065	8.314	8.067	8.268	8.395	8.174	8.242	8.352	8.137	8.242	8.378	8.174	8.308	8.244	8.094	8.099	8.178	8.199	8.089	8.199	8.089	7.882	7.806	7.905	
1450075	a	at	Polr1	NM	030715	Mm.231185	15	8.530	8.533	8.537	8.467	8.606	8.545	8.629	8.519	8.573	8.615	8.511	8.548	8.688	8.709	8.587	8.578	8.637	8.577	8.608	8.547	8.547	8.685	8.685	8.583	
1450076	a	at	4933411K20Rik	NM	025747	Mm.133623	8	5.594	5.622	5.584	5.763	5.576	5.609	5.611	5.241	5.437	5.464	5.580	5.507	5.528	5.807	5.576	5.968	5.584	5.395	5.562	5.809	5.469	5.647	5.718	5.605	
1450077	a	at	Chd1	NM	007690	Mm.8137	17	5.779	5.723	5.913	5.659	5.702	5.778	5.666	5.666	5.571	6.006	5.923	5.735	5.527	5.763	5.835	5.675	5.273	5.623	5.637	5.678	5.565	5.505	5.885	5.842	
1450078	a	at	Nrk	AK012873	Mm.22367	X		4.175	4.026	4.093	3.949	3.966	3.965	4.097	4.012	4.077	4.006	4.134	4.013	4.017	4.112	4.007	3.898	4.023	3.977	3.973	4.081	4.200	3.936	4.132	4.002	
1450079	a	at	Nrk	AK012873	Mm.22367	X		6.583	6.340	6.387	6.638	6.540	6.687	6.805	6.851	6.592	6.845	6.493	6.586	6.460	6.523	6.655	6.647	6.688	6.642	6.784	6.658	6.678	6.717	6.637	6.879	
1450080	a	at	Cxx1c	NM	028375	Mm.58899	X		7.946	7.963	7.998	7.926	7.950	8.095	7.961	8.037	7.941	7.881	8.028	8.006	8.161	7.867	7.981	8.097	8.072	7.991	7.975	7.996	7.984	7.888	8.000	7.944
1450081	a	at	Gp1	NM	008155	Mm.589	7	12.185	12.190	12.259	12.197	12.523	12.215	12.007	11.999	12.213	12.454	12.355	12.657	12.715	12.196	12.441	12.200	12.145	12.354	12.387	12.296	12.161	12.215	12.159	12.278	
1450082	a	at	Gp1	BG96708	Mm.402708		19	5.245	6.295	5.290	5.998	6.888	6.003	5.724	6.862	6.907	6.852	6.968	6.811	7.993	6.285	6.613	6.356	6.055	6.852	6.802	6.985	6.023	6.895	6.023	6.305	
1450083	a	at	Cno4	A1448404	Mm.214525		6	8.930	8.734	8.734	8.747	8.842	8.762	8.727	9.040	8.795	8.744	8.838	8.925	8.983	8.620	8.724	8.692	9.144	9.024	8.730	8.761	9.007	9.083	8.938	8.787	
1450084	a	at	1vns1labo	NM	054102	Mm.33764	1	13.527	12.870	13.739	13.523	13.245	13.374	13.370	13.264	12.645	13.147	12.676	13.162	12.961	13.931	13.450	13.227	13.220	13.115	13.104	13.221	13.481	13.473	13.602	13.739	
1450085	a	at	Anapt12	BG244279	Mm.208919		2	7.539	7.967	7.536	7.908	8.299	8.268	7.837	7.358	7.717	8.192	7.968	8.273	8.251	7.936	8.206	7.743	7.264	7.800	7.918	7.882	7.545	7.055	7.666	7.854	
1450086	a	at	Gmeb1	AA024025	Mm.103489		4	8.404	8.314	8.066	8.127	8.179	8.078	8.064	8.379	8.561	8.270	8.596	8.462	8.277	8.118	8.251	8.077	8.486	8.333	8.219	8.057	8.422	8.490	8.368	8.249	
1450087	a	at	Nolc1	NM																												

1450137	at	Pofut1	NM 080463	Mm.293761	2	7.094	6.870	6.900	7.143	6.963	6.830	6.966	6.844	7.013	6.815	6.957	6.855	6.844	6.944	6.963	6.963	7.213	6.959	6.665	7.158	7.169				
1450138	a	at	Serpinb6a	NM 009254	Mm.252210	13	11.191	11.991	11.290	11.345	11.850	11.370	11.151	11.596	12.363	12.363	11.614	12.170	12.185	11.923	11.821	11.213	11.277	11.276	11.308	11.163	11.259	11.317	11.022	11.069
1450139	at	Ern2	NM 012016	Mm.20452	7	5.601	5.421	5.675	5.738	5.562	5.710	5.403	5.563	5.484	5.230	5.555	5.439	5.516	5.479	5.526	5.535	5.587	5.365	5.498	5.678	5.615	5.404	5.754	5.552	
1450140	a	at	Cdkn2a	NM 009877	Mm.4733	4	6.327	6.186	5.946	6.107	5.991	6.182	6.361	6.141	6.165	6.172	6.300	6.000	6.175	6.261	6.299	5.958	6.130	6.139	6.209	6.155	6.208	6.085	6.327	
1450141	at	Abcc9	NM 030239	Mm.288685	5	6.741	6.526	6.873	6.832	6.594	6.710	6.698	6.953	6.845	6.698	6.685	6.443	6.759	6.982	6.600	6.828	6.703	6.530	6.333	6.655	6.699	6.713	6.730	6.840	
1450142	at	Card14	NM 130686	Mm.130832	11	8.436	8.026	8.358	8.459	8.171	8.226	8.290	8.234	8.205	8.230	8.065	8.340	8.079	8.185	8.225	8.211	8.365	8.322	8.195	8.183	8.257	8.409	8.260	8.142	
1450143	at	Rasgr1	BB354696	Mm.42150	2	5.463	5.252	5.186	5.117	5.115	5.339	5.433	5.307	5.396	5.304	5.570	5.231	5.190	5.300	5.218	5.337	5.393	5.319	5.385	5.502	5.316	5.322	5.210	5.297	
1450144	at	Pla2r1	NM 008867	Mm.5092	2	7.485	7.140	7.568	7.518	7.486	7.641	7.483	7.389	7.276	7.429	7.365	7.454	7.414	7.427	7.492	7.440	7.323	7.455	7.504	7.724	7.336	7.309	7.461	7.453	
1450145	at	Dbpht1	NM 019416	Mm.448022	15	7.093	6.828	7.057	6.985	6.745	6.993	7.091	6.720	6.976	6.982	7.102	6.676	6.935	7.071	6.922	6.962	7.199	7.023	6.930	7.044	6.946	6.970	7.068	7.046	
1450146	at	Freq	AU079041	Mm.249318	2	6.920	7.070	7.017	6.856	7.003	7.158	6.929	6.824	6.923	6.927	7.103	6.948	6.890	6.967	7.017	6.922	7.227	7.043	7.081	7.038	7.031	6.825	7.033	6.996	
1450147	at	Nptxr	BJ733611	Mm.38438	15	7.466	7.300	7.417	7.505	7.781	7.470	7.331	7.618	7.468	7.710	7.503	7.152	7.484	7.497	7.240	7.342	7.431	7.384	7.230	7.462	7.433	7.262	7.311	7.366	
1450148	at	Mcoln3	NM 134160	Mm.114683	3	6.390	5.992	6.335	6.250	6.278	6.064	6.279	6.420	6.248	6.095	6.421	6.042	6.215	6.323	6.078	6.310	6.448	6.152	6.120	6.156	6.429	6.285	6.418	6.203	
1450149	a	at	Ppp1cc	NM 013636	Mm.280784	5	12.535	12.944	12.599	12.605	12.654	12.696	12.589	12.771	12.643	12.663	12.750	12.666	12.661	12.952	12.678	12.624	12.615	12.637	12.818	12.692	12.410	12.700	12.656	12.784
1450150	a	at	Rpl13	NM 016738	Mm.319719	8	11.853	12.627	11.439	11.780	11.998	11.773	11.634	12.623	12.756	12.124	12.122	12.126	12.232	12.258	11.958	11.421	12.678	12.552	11.771	11.846	12.667	12.393	11.206	11.282
1450151	at	Zfp316	AF082568	Mm.6666	5	7.674	7.178	7.441	7.686	7.580	7.490	7.491	7.363	6.903	7.253	7.209	7.179	7.439	7.420	7.429	7.734	7.395	7.656	7.763	7.910	7.318	7.195	7.536	7.675	
1450152	at	Zfp316	AF082568	Mm.6666	5	6.804	6.473	6.648	6.809	6.613	6.641	6.871	6.664	6.552	6.575	6.740	6.509	6.485	6.541	6.672	6.615	6.733	6.644	6.599	6.862	6.743	6.482	6.663	6.703	
1450153	at	Gopc	NM 053187	Mm.390258	10	6.725	6.750	7.031	6.733	6.598	6.919	6.736	6.650	6.550	6.786	6.906	6.554	6.315	6.925	6.636	6.863	6.553	6.761	6.783	6.706	6.490	6.550	7.032	6.956	
1450154	at	Folh1	NM 016770	Mm.269137	7	7.115	3.972	4.001	3.923	3.982	4.003	4.027	3.910	4.048	3.924	4.138	3.852	3.831	3.971	3.955	3.904	3.976	4.031	3.916	3.980	4.254	3.858	3.970	3.975	
1450155	at	Itga4	NM 010576	Mm.31903	2	6.026	5.796	5.892	6.013	5.862	5.749	6.042	6.079	5.630	5.736	5.904	5.651	5.777	6.043	5.766	5.989	5.742	5.888	5.843	5.954	5.904	6.024	5.953	5.969	
1450156	a	at	Hmnmr	AF079222	Mm.116997	11	6.141	7.135	6.170	6.139	6.000	6.219	6.164	6.819	6.707	6.768	6.818	5.992	6.270	6.825	6.466	6.157	5.929	6.081	5.682	6.280	5.861	5.975	6.027	6.128
1450157	a	at	Hmnmr	AF079222	Mm.116997	11	6.227	6.514	6.139	6.158	6.111	6.041	6.118	6.198	6.115	5.995	5.278	5.823	5.832	6.319	6.146	6.088	5.926	6.064	6.050	6.314	6.174	5.825	5.926	6.216
1450158	at	Rem1	BB624483	Mm.8752	2	7.239	7.246	7.219	7.229	6.922	7.136	7.200	7.311	7.125	6.988	7.061	7.303	7.232	7.130	6.994	7.181	7.240	7.286	7.395	6.765	7.060	7.292	6.733	7.069	
1450159	at	Rem1	BB624483	Mm.8752	2	6.645	6.671	6.942	6.805	6.478	6.609	6.761	6.736	6.661	6.819	6.767	7.070	6.831	6.905	6.702	6.626	6.900	6.658	6.892	6.910	6.740	6.604	6.244	6.494	
1450160	at	Lif	AF065917	Mm.4964	11	5.464	5.588	5.526	5.745	5.417	5.433	5.618	5.640	5.814	5.553	5.685	5.517	5.548	5.440	5.387	5.452	5.769	5.242	5.487	5.646	5.630	5.507	5.438	5.730	
1450161	at	Ikbkq	NM 010547	Mm.12967	X	6.665	6.942	7.009	6.806	6.807	6.885	6.758	6.832	7.119	7.215	6.906	6.850	6.979	7.028	6.817	7.002	6.880	6.883	6.834	6.946	6.902	6.762	6.960	7.069	
1450162	at	Dpf3	NM 058522	Mm.151308	12	7.343	6.988	7.241	7.289	6.912	6.905	7.244	6.911	6.712	6.443	6.612	6.798	6.588	6.999	6.633	7.186	6.777	7.411	6.890	7.408	7.414	7.373	7.084	7.218	
1450163	a	at	Wnt5b	NM 06527	Mm.14224	8	6.197	6.022	6.022	6.022	6.594	6.382	6.698	6.561	6.297	6.568	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598
1450164	s	at	Asc1	NM 058522	Mm.14224	10	6.197	6.022	6.022	6.022	6.594	6.382	6.698	6.561	6.297	6.568	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598	6.192	6.222	6.598
1450165	at	Sfnf2	NM 011408	Mm.276869	11	8.252	8.672	8.337	8.251	8.068	8.287	8.589	8.065	8.349	8.316	8.561	8.306	8.280	8.663	8.236	8.326	8.757	7.904	8.129	8.025	8.263	7.934	8.271	8.374	
1450166	at	Ids	NM 010498	Mm.233083	X	6.314	6.241	6.317	6.252	6.313	6.181	6.394	6.035	6.251	6.169	6.090	6.029	6.158	6.165	6.224	6.271	6.412	6.441	6.031	6.357	6.251	6.428	6.461	6.353	
1450167	at	Rab37	NM 021414	Mm.143789	11	6.291	6.205	6.272	6.313	6.400	6.304	6.353	6.332	6.275	6.078	6.378	5.970	6.236	6.255	6.158	6.292	6.090	6.206	6.017	6.369	6.273	6.253	6.242	6.194	
1450168	at	Ankrd12	NM 025971	Mm.34706	17	5.400	5.578	5.340	5.435	5.331	5.341	5.199	5.680	5.438	5.470	5.270	5.228	5.357	5.263	5.127	5.212	5.225	5.250	5.459	5.378	5.234	5.577	5.260	5.344	
1450169	at	Slc4a4	NM 018760	Mm.41044	5	5.456	4.952	5.245	5.238	5.242	5.235	5.491	5.288	5.350	5.588	5.344	5.250	5.041	5.214	5.098	5.284	5.367	5.250	5.395	5.377	5.374	5.283	5.348	5.572	
1450170	x	at	H2-D1	NM 010380	Mm.422886	17	4.515	4.720	4.726	4.602	4.573	4.682	5.512	4.813	4.744	4.851	4.668	4.585	4.687	4.855	4.706	4.487	4.502	4.442	4.568	4.403	4.706	4.480	4.556	4.590
1450171	at	Gzme	NM 024927	Mm.24927	13	4.127	7.255	4.939	7.359	6.339	6.339	7.122	7.220	4.937	7.458	7.334	4.937	7.458	7.334	4.937	7.458	7.334	4.937	7.458	7.334	4.937	7.458	7.334	4.937	7.458
1450172	at	Rpkox1	AA409923	Mm.259295	17	7.520	7.428	7.406	7.320	7.245	7.528	7.230	7.076	7.410	7.548	7.669	7.306	7.123	7.579	7.201	7.481	7.323	7.356	7.395	7.281	7.292	6.999	7.701	7.593	
1450173	at	Plkn2	NM 138952	Mm.112765	4	8.144	8.207	7.938	8.178	8.154	8.009	8.068	8.196	8.340	8.158	8.241	8.064	8.184	8.315	8.124	8.095	8.253	8.118	8.235	8.294	8.192	8.155	8.204	8.301	
1450174	at	Ptprt	NM 021464	Mm.235807	2	7.322	7.177	7.248	7.426	7.197	7.398	7.417	7.232	7.337	7.047	7.468	7.232	7.123	7.330	7.355	7.397	7.263	7.116	7.411	7.532	7.208	7.191	7.466	7.266	
1450175	a	at	Ctsm	NM 022326	Mm.388945	13	3.944	3.993	4.055	4.003	4.071	3.924	3.838	3.879	3.902	3.764	4.100	3.849	3.853	4.035	3.771	3.952	4.070	3.929	3.936	3.924	3.984	3.884	3.906	3.915
1450176	at	Ern1	NM 023913	Mm.340943	11	5.209	4.933	5.046	5.104	4.919	4.942	5.088	5.062	4.836	5.028	5.120	4.999	5.094	5.102	5.081	5.102	5.189	5.235	5.149	4.994	5.059	5.106	5.258	5.235	
1450177	at	Nfrf	BI151406	Mm.283993	11	6.392	6.137	6.378	6.523	6.302	6.294	6.347	6.494	6.511	6.258	6.536														

1450226	at	Prlr	NM	008932	Mm.10516	15	6.702	6.429	6.651	6.579	6.633	6.662	6.758	6.698	6.795	6.664	6.610	6.638	6.695	6.670	6.640	6.543	6.513	6.446	6.617	6.651	6.577	6.657	6.681	6.795	
1450227	at	Ankrd6	BM199504	Mm.214766	4	6.005	5.787	5.713	5.912	5.888	5.990	6.030	5.592	5.548	5.548	5.640	5.648	5.640	5.980	5.861	5.959	6.062	5.797	5.730	5.917	6.109	5.677	5.620	5.784	5.886	
1450228	a	at	Pip5k1c	NM	008844	Mm.29836	10	8.132	7.716	8.018	8.039	7.909	7.790	7.981	8.095	7.688	7.759	7.949	7.750	7.852	7.853	7.839	7.899	8.057	8.006	8.107	8.048	8.071	8.026	7.947	8.147
1450229	at	Med14	AB019028	Mm.17616	X	7.060	7.328	7.280	6.897	7.225	7.220	7.187	6.855	7.156	7.274	7.194	7.121	7.135	7.300	7.273	7.186	7.001	7.063	7.218	7.303	7.239	6.867	7.037	7.211		
1450230	at	THSS56E-3	NM	138582	Mm.56995	17	7.232	7.073	7.152	7.254	7.401	7.044	7.149	7.346	7.041	7.327	7.265	7.845	7.357	7.138	7.197	7.190	7.237	7.351	7.139	7.231	7.298	7.258	7.374	7.116	
1450231	a	at	BF137345	Mm.259879	X	4.005	4.074	4.124	4.085	3.977	4.220	4.293	3.994	4.188	4.147	4.272	4.122	4.216	4.235	4.175	4.244	3.963	4.051	4.234	4.334	4.023	4.359	4.115			
1450232	at	Xiap	BF137345	Mm.259879	X	5.722	6.045	5.765	5.668	5.632	5.817	5.567	5.911	5.580	5.567	5.731	5.567	5.439	5.648	5.463	5.778	6.003	5.807	5.811	5.606	5.754	5.936	5.758	5.936		
1450233	a	at	Rsh1l	NM	031255	Mm.84435	7	6.409	6.115	6.393	6.485	6.255	6.578	6.437	6.542	6.223	6.172	6.420	6.578	6.396	6.382	6.404	6.459	6.480	6.320	6.453	6.476	6.326	6.373	6.678	6.446
1450234	at	Ms4a6c	AF237910	Mm.440755	9	9.627	10.932	9.512	9.557	9.931	9.931	9.575	9.807	10.049	11.573	11.077	10.305	10.057	10.496	10.940	10.180	9.545	8.841	8.770	9.314	8.966	9.675	9.811	9.603	9.928	
1450235	at	Fdd3	NM	015759	Mm.291089	13	7.937	7.769	7.863	7.934	7.670	7.840	7.841	7.725	7.786	7.722	7.953	7.751	7.816	7.779	7.767	7.885	7.784	7.724	7.777	7.726	7.745	7.807	7.762	7.910	
1450236	at	Foxo3a	NM	019740	Mm.338613	10	6.420	6.060	6.244	6.019	6.066	6.189	6.240	6.248	6.001	5.946	6.142	6.042	6.153	6.100	6.259	6.175	6.149	6.312	6.068	6.035	6.121	6.321	6.369	6.351	
1450237	at	Dnas2b	NM	019957	Mm.25853	3	5.488	5.252	5.490	5.783	5.465	5.662	5.439	5.529	5.540	5.386	5.506	5.595	5.572	5.602	5.378	5.567	5.622	5.423	5.508	5.575	5.614	5.610	5.756	5.637	
1450238	at	Gcm2	NM	008105	Mm.314757	13	4.592	4.532	4.424	4.429	4.589	4.626	4.437	4.607	4.528	4.426	4.405	4.308	4.438	4.537	4.591	4.510	4.605	4.704	4.461	4.499	4.444	4.780	4.596	4.676	
1450239	at	Gla3a	NM	080438	Mm.307061	8	5.850	5.709	5.689	5.774	5.512	5.654	5.730	5.642	5.586	5.569	5.528	5.443	5.542	5.730	5.686	5.583	5.834	5.824	5.548	5.721	5.637	5.815	5.702	5.618	
1450240	a	at	Syrl1	NM	031393	Mm.25660	4	7.250	7.149	7.147	7.233	7.088	7.076	7.210	7.116	7.291	6.992	7.133	7.102	6.972	7.185	7.219	7.134	7.194	7.210	7.160	7.344	7.247	7.093	7.196	7.342
1450241	a	at	Evi2a	NM	010161	Mm.439665	11	7.160	9.406	7.145	7.666	8.022	7.994	8.081	7.927	9.513	8.971	8.048	8.366	8.349	9.598	8.150	7.236	7.975	7.471	8.019	7.346	7.138	7.492	6.101	7.201
1450242	a	at	Tlr5	NM	016928	Mm.116894	1	7.804	7.587	7.925	7.842	7.804	7.849	7.936	8.090	7.875	7.829	7.921	7.614	7.858	7.852	7.690	7.775	7.734	7.733	7.814	8.074	7.923	7.866	8.045	7.837
1450243	a	at	Rcan2	NM	030598	Mm.251242	17	10.427	10.384	10.230	9.917	9.742	9.830	10.121	10.147	10.401	10.171	10.563	10.133	9.806	10.135	9.924	10.241	10.064	10.298	10.228	9.979	10.237	10.136	10.066	10.049
1450244	a	at	Map4k2	NM	009006	Mm.25860	19	7.190	7.104	7.118	7.226	7.020	7.079	7.121	7.366	6.972	6.900	7.247	7.313	6.967	7.004	7.010	7.058	7.252	7.169	7.134	7.173	7.378	7.418	7.304	7.330
1450245	at	Slc10a2	NM	011388	Mm.3500	8	3.667	3.565	3.691	3.731	3.629	3.749	3.696	3.628	3.691	3.732	3.675	3.677	3.669	3.574	3.749	3.705	3.710	3.810	3.650	3.661	3.741	3.737	3.704	3.663	
1450246	at	Fut2	NM	018876	Mm.290046	7	7.260	6.698	6.807	6.816	6.822	6.718	6.858	6.932	6.618	6.674	7.068	6.726	6.616	6.627	6.749	7.053	6.845	6.786	6.719	6.962	6.796	6.750	6.902	6.866	
1450247	a	at	Scamp5	NM	020270	Mm.102278	9	7.616	8.009	7.539	7.555	7.658	7.502	7.521	7.746	7.835	7.868	7.677	7.679	7.596	7.853	7.620	7.600	7.521	7.599	7.563	7.500	7.695	7.591	7.587	7.608
1450248	at	Adam11	NM	009613	Mm.89854	11	6.237	6.097	6.113	6.256	6.241	6.195	6.078	5.784	6.191	6.251	6.313	6.221	6.176	6.257	6.258	6.208	6.092	6.197	6.335	6.158	6.034	6.246	6.107	6.187	
1450249	s	at	Kif5a	NM	008447	Mm.30355	10	7.194	7.149	6.970	7.183	6.981	6.966	7.078	7.194	7.040	7.031	7.159	7.028	7.013	7.168	7.097	7.076	6.964	6.894	7.112	7.198	7.055	6.879	7.045	7.318
1450250	a	at	Outf7a	NM	130880	Mm.156872	7	8.165	7.951	7.838	8.125	7.863	7.936	7.983	8.047	8.079	7.827	8.019	7.887	7.952	7.785	7.684	7.968	8.001	8.095	7.886	8.000	8.099	8.023	8.003	8.223
1450251	a	at	Lnx1	NM	010727	Mm.440403	5	8.128	8.079	7.620	7.757	8.087	7.477	7.564	7.884	7.781	8.023	7.195	8.241	7.602	7.209	7.859	7.712	7.462	8.311	7.720	7.825	7.683	7.658	7.998	7.999
1450252	a	at	Ono1	NM	008625	Mm.259355	6	6.986	6.986	6.773	6.766	6.742	6.617	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696	6.696
1450253	x	at	Map3k4	U15448	Mm.258238	17	9.844	8.293	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544	8.544
1450254	a	at	Ctda	NM	009354	Mm.10109	13	7.204	6.658	7.016	7.042	7.019	6.793	6.940	7.023	6.949	6.751	7.106	6.738	6.900	6.985	6.877	6.934	6.683	6.768	6.999	6.959	7.025	6.899	6.992	7.069
1450255	s	at	Terp	NM	020260	Mm.370848	16	7.411	6.932	7.214	7.224	7.038	7.254	7.476	7.466	7.105	7.009	7.145	7.280	6.944	7.286	7.200	7.203	7.487	7.382	7.039	7.325	7.279	7.324	7.360	7.471
1450256	at	Cer1	AF035579	Mm.6780	4	6.088	5.439	5.880	5.886	5.892	5.865	5.911	5.793	5.748	5.617	5.516	5.477	5.593	5.753	5.951	6.117	5.952	6.041	5.962	6.084	5.913	5.901	6.104	6.072		
1450257	at	Cer1	AF035579	Mm.6780	4	6.148	5.862	5.954	6.183	6.052	6.260	6.079	6.066	6.002	6.058	6.071	6.191	6.168	6.107	6.102	6.294	5.986	6.008	6.063	6.033	6.091	6.093	6.242			
1450258	a	at	Elav1a	NM	010488	Mm.3970	4	4.871	4.840	4.874	4.846	4.793	4.933	4.932	4.778	4.713	4.680	4.766	4.750	4.702	4.832	4.828	4.879	4.824	4.840	4.807	4.851	4.825	4.806	4.682	4.914
1450259	a	at	Stat5a	U96502	Mm.277403	11	5.923	6.397	6.050	6.310	6.358	6.953	6.222	5.476	6.019	6.074	6.238	5.979	5.922	6.224	5.946	6.170	6.091	6.091	6.296	6.934	6.630	5.800	5.756	6.335	6.195
1450260	a	at	Sfr4	NM	008092	Mm.4956	7	8.898	6.658	6.904	7.932	9.059	6.998	6.936	6.936	6.947	7.967	6.927	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972	6.972
1450261	a	at	Slc10a1	NM	011387	Mm.341781	12	6.438	6.031	6.434	6.303	6.098	6.290	6.352	6.247	6.008	6.273	6.198	5.945	5.915	6.136	6.192	6.161	6.124	6.364	6.261	6.435	6.403	6.161	6.340	6.184
1450262	at	Cicf1	NM	019952	Mm.347919	19	6.320	5.838	5.980	6.193	6.017	5.846	6.109	6.193	6.194	5.951	6.141	5.886	6.059	5.928	5.771	5.881	5.840	5.573	6.035	6.155	6.120	5.943	5.988	5.989	
1450263	at	Pcdhb5	NM	053130	Mm.196698	18	6.701	6.548	6.548	6.821	6.514	6.507	6.720	6.721	6.602	6.500	6.429	6.390	6.511	6.487	6.488	6.554	6.480	6.568	6.619	6.594	6.701	6.532	6.720	6.509	
1450264	a	at	Chka	NM	013490	Mm.225505	19	8.188	8.215	8.270	7.844	8.208	8.148	7.846	8.134	8.016	8.044	8.559	8.272	8.175	7.902	8.304	8.142	8.112	7.855	7.637	7.868	8.189	8.563	8.624	8.652
1450265	at	Smad9	NM	019483	Mm.244353	3	5.802	5.340	5.616	5.687	5.704	5.533	5.697	5.676	5.718	5.474	5.630	5.639	5.625	5.656	5.648	5.667	5.599	5.697	5.599	5.69					

1450315	at	V1rd14	NM	Q03736	Mm.160376	7	7.017	6.753	7.028	6.833	6.641	6.933	6.977	6.668	6.853	6.737	7.007	6.809	6.804	6.914	6.895	7.047	6.731	6.862	6.959	7.248	6.761	6.484	6.866	6.866
1450316	at	Pcdhb13	NM	053138	Mm.196700	18	5.354	5.171	5.193	5.327	5.296	5.221	5.199	5.403	5.331	5.382	5.561	5.331	5.458	5.359	5.310	5.253	5.230	5.271	5.492	5.366	5.309	5.058	5.352	5.334
1450317	at	Clec2q	NM	027562	Mm.439891	6	4.303	4.277	4.295	4.249	4.222	4.283	4.312	4.098	4.289	4.224	4.228	4.209	4.242	4.148	4.262	4.379	4.315	4.369	4.275	4.295	4.451	4.268	4.494	4.211
1450318	a at	P2rv2	NM	008773	Mm.3000	7	8.203	8.279	7.989	7.726	7.908	7.705	7.779	8.251	8.106	7.786	7.993	7.988	7.927	7.587	7.799	8.028	7.944	8.011	7.731	7.907	8.108	7.939	7.806	7.846
1450319	at	Gatb2	NM	006070	Mm.338723	11	6.769	6.447	6.919	6.469	6.438	6.715	6.536	6.558	6.380	6.461	6.659	6.430	6.458	6.421	6.682	6.636	6.537	6.792	6.787	6.841	6.518	6.487	6.578	6.620
1450320	at	43B1432E15Rik	NM	027639	NA	11	5.959	5.186	6.105	5.669	6.633	6.085	5.918	6.648	5.262	5.373	5.528	5.505	5.365	5.330	5.741	6.014	6.139	5.872	5.741	6.075	5.812	6.000	5.780	5.967
1450321	at	Zfp354r	NM	013922	Mm.103674	11	6.449	6.056	6.475	6.336	6.357	6.358	6.287	6.294	6.320	6.264	6.486	6.308	6.361	6.479	6.371	6.138	6.285	6.380	6.426	6.813	6.325	6.156	6.576	6.325
1450322	s at	Sfln3	NM	011409	Mm.290922	11	5.237	5.163	5.078	4.881	4.851	5.070	5.383	5.142	5.244	5.118	5.402	4.978	4.941	5.439	4.994	4.548	4.965	5.210	5.215	5.121	4.758	5.023	5.186	5.390
1450323	at	5730493B19Rik	NM	027488	NA	9	7.211	7.306	7.344	7.512	7.206	7.332	7.331	7.230	7.356	7.209	7.396	7.192	7.146	7.311	7.384	7.379	7.253	7.245	7.501	7.621	7.460	7.304	7.557	7.654
1450324	a at	Tctn3	NM	026260	Mm.60758	19	6.314	6.345	6.435	6.486	6.319	6.332	6.291	6.488	6.452	6.217	6.245	6.358	6.481	6.262	6.431	6.250	6.468	6.432	6.365	6.312	6.170	6.328	6.490	6.398
1450325	at	Anopt4	NM	009641	Mm.189536	2	6.587	6.669	6.497	6.589	6.476	6.538	6.572	6.563	6.883	6.436	6.745	6.456	6.474	6.573	6.513	6.485	6.596	6.436	6.386	6.585	6.675	6.251	6.326	6.461
1450326	at	Shc3	NM	009167	Mm.131870	13	7.204	6.731	6.949	7.023	6.877	6.757	7.061	7.114	7.019	6.938	6.924	6.928	6.836	6.740	6.945	6.920	7.277	7.126	6.869	6.888	7.031	7.008	6.936	7.072
1450327	at	P2rv2	NM	011028	Mm.8032	16	7.118	6.895	6.908	7.007	6.737	7.006	6.978	6.800	6.988	6.946	6.815	6.833	6.838	6.945	6.947	7.081	7.150	7.037	6.982	7.017	7.136	7.017	7.152	
1450328	at	L0C100043315	NM	028588	Mm.159041	15	4.452	4.273	4.578	4.529	4.516	4.453	4.334	4.459	4.299	4.132	4.501	4.540	4.746	4.569	4.615	4.436	4.452	4.545	4.496	4.472	4.654	4.408	4.406	4.471
1450329	a at	Arr3	NM	133205	Mm.95518	X	4.914	4.744	4.966	4.915	4.893	4.825	4.852	4.858	4.858	4.700	4.958	4.762	4.900	4.969	4.837	4.713	4.896	4.856	4.785	5.125	4.757	4.833	4.900	4.976
1450330	at	Il10	NM	010548	Mm.874	1	5.257	4.842	4.998	5.133	5.029	4.984	5.012	4.962	5.049	4.795	4.883	4.907	5.052	5.070	5.125	5.175	5.147	4.968	5.030	4.807	5.259	5.146	5.006	5.107
1450331	s at	Vmn2r42	NM	009493	Mm.359403	7	7.128	6.888	7.127	7.000	6.882	6.976	6.946	6.834	6.857	6.823	6.998	6.883	6.799	6.863	6.940	6.963	6.967	6.925	6.885	6.946	6.852	7.032	7.116	6.917
1450332	s at	Fmo5	NM	010232	Mm.85180	3	8.693	8.328	8.754	8.571	8.568	8.589	8.223	8.392	8.336	8.575	8.125	9.055	9.137	8.029	8.674	8.747	8.691	8.447	8.525	8.348	8.336	8.487	8.399	8.440
1450333	a at	Gata2	NM	008090	Mm.212747	6	9.341	8.875	9.214	9.325	9.093	9.248	9.045	9.206	8.619	8.833	9.184	9.032	8.994	8.928	9.161	9.279	9.270	9.240	9.132	9.205	9.401	9.434	9.769	9.334
1450334	at	Il21	NM	021782	Mm.157689	3	4.950	4.624	4.821	4.779	4.707	4.831	4.931	4.770	4.718	4.687	4.817	4.689	4.856	4.657	4.774	4.842	4.849	4.776	4.909	5.096	4.755	4.856	4.939	5.037
1450335	at	Pr11	NM	011073	Mm.240313	10	6.578	6.681	6.584	6.685	6.538	6.661	6.699	6.561	6.521	6.550	6.648	6.204	6.426	6.527	6.472	6.648	6.674	6.647	6.658	6.767	6.692	6.593	6.609	6.715
1450336	at	NA	NM	010940	NA	NA	6.348	6.106	6.459	6.440	6.225	6.648	6.329	6.255	6.389	6.458	6.616	6.044	6.329	6.356	6.607	6.321	6.304	5.970	6.280	6.413	6.315	6.424	6.744	6.528
1450337	a at	Nek8	NM	080849	Mm.23788	11	6.377	6.586	6.321	6.204	6.628	6.268	6.140	6.375	6.721	6.602	6.163	6.702	6.671	6.461	6.352	6.220	6.351	6.370	6.274	6.292	6.073	6.352	6.189	6.112
1450338	x at	Vmn2r-ps160	NM	009495	Mm.466896	Un	3.958	3.853	3.933	3.855	3.863	4.048	4.043	3.902	3.883	3.940	3.847	3.754	3.856	3.856	3.813	4.033	3.941	4.034	3.882	3.979	3.920	3.817	3.800	3.953
1450339	a at	Bcl11b	NM	021399	Mm.392694	12	5.393	5.561	5.664	5.897	5.700	5.678	5.458	5.708	5.487	5.485	5.613	5.535	5.614	5.287	5.261	6.417	5.902	5.652	5.969	5.713	5.951	5.446	5.400	5.430
1450340	a at	Clnkb	NM	019701	Mm.24882	4	7.789	7.714	7.889	8.014	7.685	7.738	8.020	7.805	7.580	7.393	7.821	7.799	7.853	7.909	7.501	7.843	7.739	7.677	7.591	7.883	7.613	7.461	7.758	7.717
1450341	at	Pcdhb8	NM	008133	Mm.248052	18	8.060	7.437	7.913	7.483	7.692	7.747	7.941	7.757	7.621	7.749	7.621	7.749	7.621	7.749	7.621	7.749	7.621	7.749	7.621	7.749	7.621	7.749	7.621	7.749
1450342	at	Bmp8b	NM	007559	Mm.439764	4	5.789	5.330	5.563	5.287	5.085	5.386	4.565	5.151	5.64	5.004	5.123	5.216	5.509	5.046	5.123	5.216	5.509	5.046	5.123	5.216	5.509	5.046	5.123	5.216
1450343	at	V1rd1	NM	030742	Mm.160382	7	4.343	4.141	4.305	4.188	4.127	4.450	4.197	4.167	4.194	4.219	4.240	3.973	4.017	4.121	4.117	4.432	4.079	4.269	4.452	4.449	4.214	4.154	4.440	4.283
1450344	a at	Ptcr3	NM	011196	Mm.30424	3	4.396	4.210	4.625	4.477	4.312	4.517	4.406	4.375	4.566	4.454	4.709	4.436	4.515	4.656	4.686	4.622	4.561	4.840	4.826	4.680	4.548	4.456	4.349	4.595
1450345	at	Ubqln1	NM	019509	Mm.182053	13	6.794	6.648	6.666	6.867	6.797	6.777	6.697	6.781	6.587	6.624	6.863	6.770	6.600	6.527	6.626	6.673	6.996	6.835	6.815	6.697	7.016	6.946	6.890	6.710
1450346	at	Gpr50	NM	010340	Mm.33336	X	7.294	7.085	7.464	7.221	7.026	7.242	7.314	7.279	7.273	7.182	7.382	7.067	7.326	7.291	7.196	7.303	7.142	7.279	7.627	7.402	7.433	7.030	7.311	7.412
1450347	at	Svt10	NM	018803	Mm.261601	15	6.091	5.877	6.149	5.862	5.894	5.918	6.052	5.907	6.017	5.993	6.171	5.925	6.106	5.936	5.901	6.043	5.843	6.137	6.085	6.337	6.180	5.977	6.064	5.931
1450348	at	Scl19a3	NM	030556	Mm.261542	1	5.604	5.431	5.651	5.447	5.604	5.644	5.496	5.589	6.045	5.564	5.692	5.560	5.583	5.645	5.607	5.818	5.454	5.640	5.772	5.733	5.574	5.509	5.648	5.580
1450349	at	Tctn1	NM	009432	Mm.85180	7	7.990	7.096	8.218	7.536	5.593	5.803	5.850	5.377	5.738	5.557	5.795	5.552	5.670	5.795	5.552	5.670	5.795	5.552	5.670	5.795	5.552	5.670	5.795	5.552
1450350	a at	Jdp2	NM	030887	Mm.103560	12	8.667	8.551	8.139	8.208	8.882	8.177	8.135	8.314	8.647	8.400	8.217	8.293	8.631	8.209	8.128	8.270	7.671	7.677	7.583	7.680	8.237	8.479	8.850	8.798
1450351	a at	Cilp1	NM	019765	Mm.241109	5	9.433	9.146	9.151	9.209	9.599	9.157	9.143	9.653	9.072	9.353	9.341	9.259	9.290	9.050	9.354	9.226	9.311	9.294	9.035	8.975	9.384	9.585	9.377	9.636
1450352	at	Mtnr1a	NM	008639	Mm.5133	8	6.526	6.302	6.781	6.703	6.421	6.739	6.658	6.494	6.576	6.459	6.656	6.312	6.446	6.466	6.749	6.714	6.579	6.635	6.565	6.615	6.563	6.468	6.569	6.650
1450353	at	Scl25a17	NM	021376	Mm.222536	15	6.911	6.332	6.760	6.602	6.686	6.777	7.115	6.333	6.243	6.551	6.576	6.174	6.632	6.581	6.589	6.879	6.603	6.692	6.854	7.086	6.594	6.520	6.727	6.918
1450354	a at	Ptdss2	NM	031782	Mm.239591	7	7.385	7.524	7.402	7.444	7.219	7.332	7.441	7.160	7.376	7.608	7.178	7.345	7.261	7.370	7.325	7.466	7.222	7.423	7.728	7.483	7.285	7.175	7.511	7.433
1450355	a at	Capo	NM	007599	Mm.186256	6	8.387																							

1450404	at	Slc23a1	AA2726202	Mm.22702	18	4.354	4.187	4.394	4.249	4.250	4.260	4.121	4.466	4.275	4.304	4.354	4.404	4.323	4.258	4.235	4.284	4.581	4.382	4.267	4.319	4.338	4.317	4.133	4.278	
1450405	at	Mrolp19	BB041267	Mm.276293	6	8.262	8.953	8.102	8.483	8.391	8.410	8.405	9.101	8.427	8.431	8.397	8.333	8.031	8.359	8.171	8.219	8.851	8.771	8.399	8.509	8.676	8.702	8.186	8.505	
1450406	a	St3qa13	AK005053	Mm.251002	4	10.212	9.878	10.152	10.055	10.034	9.871	9.907	9.920	9.867	9.862	9.953	9.994	9.827	9.517	9.962	10.174	10.250	10.347	10.187	10.136	10.117	10.151	9.958	10.069	
1450407	at	Anp32a	AF022957	Mm.269088	9	6.888	7.195	6.725	7.095	6.741	6.933	6.961	6.909	6.814	6.765	6.557	7.101	6.730	7.270	6.938	6.681	7.063	7.090	6.787	6.831	6.705	6.937	6.610	6.764	
1450408	at	Clec7	NM 011930	Mm.270877	17	8.114	8.574	8.329	8.876	8.787	8.840	8.789	9.748	8.736	8.729	9.904	8.639	8.812	9.856	8.857	9.806	9.665	9.824	8.911	9.870	9.595	8.477	9.815	9.909	
1450409	at	4930570C03R1K	BC022913	Mm.289955	15	10.296	10.566	10.374	10.536	10.660	10.573	10.471	10.339	10.555	10.636	10.384	10.751	10.523	10.688	10.537	10.422	10.595	10.621	10.474	10.655	10.504	10.388	10.407	10.505	
1450410	a	4930570C03R1K	BC022913	Mm.289955	15	8.889	8.796	8.544	8.453	8.654	8.486	8.399	8.863	9.238	8.926	8.389	8.611	8.801	8.679	8.411	8.466	9.044	8.981	8.988	8.706	8.823	8.768	8.529	8.205	
1450411	at	29000900107R1K	AV376206	Mm.440181	19	4.494	4.739	4.324	4.329	4.496	4.448	4.565	4.353	4.379	4.464	4.565	4.528	4.511	4.493	4.597	4.640	4.394	4.473	4.468	4.280	4.583	4.177	4.466	4.607	
1450412	at	Tbl2	NM 013763	Mm.36746	5	7.239	6.916	7.126	7.329	7.060	6.933	7.159	7.096	7.081	6.799	7.108	6.800	7.041	7.073	7.129	7.050	6.999	7.110	7.202	7.119	7.081	7.091	7.095	7.230	
1450413	at	Pdofb	BC023427	Mm.144089	15	7.407	7.477	7.187	7.471	7.161	7.151	7.205	7.299	7.247	7.309	7.197	7.375	7.426	7.330	7.325	7.265	6.874	7.290	7.307	7.188	7.031	6.854	7.147	7.074	
1450414	at	Pdofb	BC023427	Mm.144089	15	9.206	9.486	9.240	9.329	9.399	9.421	9.530	9.432	9.611	9.547	9.691	9.381	9.480	9.466	9.578	9.454	9.149	9.444	9.332	9.357	9.352	9.222	9.148	9.386	
1450415	at	Pdeba	NM 008005	Mm.391106	18	4.929	4.689	4.872	4.844	4.775	4.857	4.767	4.699	5.093	5.016	4.817	4.837	4.738	4.987	4.737	4.880	4.761	4.744	4.735	4.728	5.164	4.837	4.926	4.588	
1450416	at	Cdv5	NM 007626	Mm.262059	15	9.798	9.906	10.039	9.632	9.685	9.577	9.748	9.478	9.672	9.967	9.858	9.585	9.661	9.899	9.596	9.907	9.175	9.481	9.616	9.713	9.933	9.412	9.507	9.516	
1450417	a	Rps20	BG070206	Mm.21938	4	3.929	4.743	4.289	4.330	4.418	4.079	4.379	4.622	4.572	4.458	4.198	4.413	4.403	4.462	4.402	4.293	4.397	4.304	4.524	4.385	4.016	4.160	4.274	4.193	
1450418	a	Yipf4	NM 026417	Mm.41891	17	9.406	9.131	9.434	9.232	8.940	9.259	9.297	8.969	8.796	9.240	8.390	9.409	9.103	8.918	9.147	9.361	9.406	9.101	8.923	9.056	8.801	9.146	9.412	9.571	
1450419	at	Serhl	AK002313	Mm.30056	15	6.260	6.030	6.363	6.342	6.294	6.183	6.214	6.162	6.369	6.101	6.228	6.071	6.395	6.178	6.221	6.066	6.222	6.269	6.266	6.286	6.228	5.996	6.000	6.072	
1450420	at	Staai	BQ174473	Mm.42135	9	7.988	7.953	8.206	8.012	8.058	8.330	8.074	7.232	7.614	8.031	7.748	7.691	7.705	7.876	8.003	8.303	7.755	7.945	8.055	8.075	7.668	7.733	8.186	8.141	
1450421	at	Tafa	M92420	Mm.137222	6	7.420	7.338	7.252	7.321	7.233	7.176	7.338	7.431	7.348	7.360	7.359	7.320	7.307	7.217	7.292	7.342	7.445	7.267	7.256	7.173	7.469	7.261	7.297	7.425	
1450422	a	Kdelc1	NM 032645	Mm.281174	1	7.225	7.806	7.585	7.401	7.706	7.654	7.516	7.377	7.516	7.872	7.203	7.706	7.676	7.750	7.491	7.590	7.611	7.456	7.740	7.353	7.186	7.428	7.710	7.544	
1450423	s	at	Bxd1	NM 023323	10	8.479	9.009	8.539	8.204	8.299	8.565	8.712	8.539	8.280	8.361	8.859	8.266	8.267	8.802	8.305	8.470	8.317	8.333	8.494	8.363	8.170	8.372	8.353	8.216	
1450424	a	Il18bp	AF110803	Mm.422756	7	8.273	8.506	8.204	8.143	8.346	8.096	8.677	8.640	8.038	8.081	8.346	8.255	8.155	8.127	7.994	8.144	8.331	8.200	7.902	7.932	8.181	8.162	7.716	7.962	
1450425	a	2700062C07R1K	NM 026529	Mm.276574	18	7.712	7.818	7.699	7.724	7.754	7.538	7.707	7.995	7.812	7.725	7.699	7.718	7.751	7.831	7.500	7.535	7.444	7.713	7.534	7.757	7.772	7.628	7.475	7.516	
1450426	at	Chrna6	AW048864	Mm.283137	8	5.702	5.633	5.886	5.529	5.589	5.512	5.523	5.624	5.597	5.505	5.524	5.576	5.544	5.542	5.550	5.655	5.637	5.564	5.501	5.611	5.494	5.782	5.578	5.727	
1450427	at	Chrna6	AW048864	Mm.283137	8	6.627	6.070	6.442	6.568	6.487	6.454	6.539	6.503	6.311	6.253	6.608	6.216	6.368	6.328	6.468	6.411	6.296	6.414	6.417	6.823	6.349	6.327	6.515	6.402	
1450428	at	Lhx1	AV335209	Mm.4965	11	4.374	4.372	4.523	4.457	4.403	4.401	4.315	4.282	4.404	4.338	4.406	4.270	4.504	4.436	4.270	4.479	4.209	4.329	4.401	4.531	4.280	4.412	4.466	4.316	
1450429	at	Capn6	A1747133	Mm.30290	X	7.161	7.090	7.225	6.975	7.551	7.324	7.210	7.145	7.590	7.552	7.333	7.760	7.964	7.315	7.742	7.226	6.970	7.207	7.158	7.977	7.288	6.903	6.963	6.968	
1450430	at	Atc1	NM 001625	Mm.250625	2	10.305	10.327	10.357	10.328	10.366	10.339	10.378	10.387	10.328	10.360	10.352	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358	10.358
1450431	a	Nedd4	NM 010990	Mm.279923	9	12.136	12.258	12.484	12.476	12.502	12.532	12.519	11.845	12.492	12.672	12.239	12.533	12.631	12.468	12.510	12.562	12.091	12.191	12.495	12.549	11.932	12.085	12.340	12.362	
1450432	s	at	Mus81	AF425647	Mm.27697	19	8.224	8.586	7.932	8.091	8.106	8.077	8.294	8.274	8.155	8.040	8.398	8.159	8.191	7.908	8.047	8.388	8.320	8.225	8.183	8.154	8.128	8.030	7.926	
1450433	at	Rbpil	NM 009036	Mm.473794	2	7.769	7.571	7.780	7.827	7.703	7.705	7.806	7.653	7.636	7.749	7.911	7.579	7.901	7.922	7.753	7.792	7.751	7.641	7.751	7.951	7.914	7.600	7.960	7.657	
1450434	s	at	Pcyt1a	NM 009981	Mm.209300	16	9.360	9.452	9.460	9.606	9.519	9.635	9.519	8.990	9.438	9.417	9.192	9.448	9.276	9.480	9.521	9.505	9.341	9.548	9.571	9.594	9.431	8.960	9.508	9.723
1450435	at	L1cam	NM 008478	Mm.260568	X	8.746	8.514	8.642	8.419	8.430	8.494	8.394	8.434	8.354	8.260	8.704	8.532	8.437	8.636	8.420	8.608	8.234	8.463	8.392	8.259	8.419	8.142	8.313	8.464	
1450436	s	at	Dnaib5	A1664344	Mm.20437	4	10.716	10.182	10.350	10.347	10.326	10.135	10.337	10.128	9.658	9.644	10.285	10.207	9.960	9.298	10.281	10.268	10.163	9.882	9.343	9.805	11.023	10.753	10.486	10.886
1450437	a	Ncam1	NM 010875	Mm.4974	9	6.340	6.940	6.196	6.546	7.057	6.201	6.411	6.581	7.580	7.522	6.785	7.356	7.747	6.596	7.255	6.269	6.569	6.497	6.537	6.524	6.520	6.610	6.453	6.347	
1450438	at	Accl1	NM 001951	Mm.40493	10	6.995	6.207	6.592	6.595	6.491	6.979	6.537	6.257	6.908	6.555	6.464	6.669	6.545	6.588	6.505	6.519	6.519	6.519	6.519	6.519	6.519	6.519	6.519	6.519	
1450439	at	Hct1	NM 008224	Mm.489140	X	7.101	7.024	7.027	7.098	7.032	6.891	7.025	7.060	7.292	7.149	7.140	6.842	7.126	7.197	6.970	6.889	7.109	6.936	6.914	6.901	7.152	6.885	7.080	6.874	
1450440	at	Gfra1	BE534161	Mm.838367	19	6.517	5.809	6.397	6.242	5.979	6.381	6.219	5.885	5.719	5.635	6.116	6.071	5.989	6.029	6.058	6.303	6.092	5.965	6.478	6.724	6.025	5.856	6.476	6.632	
1450441	at	Lrrc50	AK006656	Mm.41977	8	7.514	7.148	7.335	7.493	7.157	7.459	7.550	7.301	7.090	7.206	7.291	7.115	7.107	7.203	7.200	7.340	7.233	7.284	7.415	7.264	7.315	7.220	7.198	7.402	
1450442	at	Add2	AF189769	Mm.104155	6	7.224	6.747	7.231	7.196	7.098	7.159	7.271	7.041	7.029	6.941	7.183	6.895	7.061	7.055	7.037	7.006	7.082	7.147	7.029	7.348	7.127	6.981	7.162	7.072	
1450443	at	Ptbp1	NM 008956	Mm.265690	10	6.482	6.542	6.313	6.366	6.354	6.198	6.365	6.413	6.472	6.284	6.637	6.357	6.292	6.287	6.279	6.539	6.458	6.212	6.363	6.327	6.350	6.403	6.355	6.279	
1450444	a	Nrlh3	NM 013939	Mm.22610	2	7.884	7.695	7.814	7.522	7.509	7.414	7.6																		

1450493	at	Kiss1r	BC016531	Mm.191035	10	8.280	7.797	7.996	8.084	8.005	7.906	8.065	7.963	7.981	8.010	7.979	7.967	7.984	8.046	8.012	7.978	8.231	7.887	7.904	7.935	8.095	7.958	8.026	8.139
1450494	x at	Ceacam1	NM 011926	Mm.322502	7	9.190	8.843	9.238	9.050	8.941	8.886	9.101	9.264	8.817	8.722	9.098	9.236	9.043	9.045	8.894	9.215	9.211	9.297	8.768	9.100	9.319	9.156	8.304	8.989
1450495	a at	Klrk1	AF039026	Mm.8217	6	6.828	6.484	6.965	6.832	6.635	6.837	6.812	6.688	6.484	6.390	6.884	6.485	6.596	6.427	6.597	6.672	6.572	6.805	6.656	6.828	6.683	6.578	6.993	6.711
1450496	a at	ZB10433K01Rik	NM 025581	Mm.283406	18	4.233	3.466	4.257	4.425	4.602	4.184	4.407	4.834	4.817	5.032	4.694	4.254	4.359	5.069	4.626	4.353	4.291	4.138	4.193	4.266	4.159	4.436	4.412	4.275
1450497	at	Ap2	NM 011789	Mm.5747	10	6.213	5.962	6.065	6.030	6.003	5.954	5.940	6.173	6.246	5.826	6.010	6.097	6.170	6.021	5.849	5.832	6.142	5.901	5.999	5.983	6.108	5.996	5.976	5.898
1450498	at	Mtnfr	BB586520	Mm.89959	4	8.198	7.910	8.118	7.983	8.080	7.743	8.065	8.136	8.171	8.102	8.202	7.903	8.212	8.033	7.975	8.080	8.101	7.974	8.179	8.345	8.077	7.951	8.369	8.078
1450499	at	Atxn1	NM 091214	Mm.342683	18	6.893	6.870	6.819	6.912	6.812	6.753	6.858	6.868	6.852	6.744	6.951	6.899	6.782	6.810	6.697	7.005	6.791	6.692	6.864	6.833	7.120	6.676	7.705	6.743
1450500	at	Uhmk1	AW012751	Mm.209150	1	6.082	6.074	6.138	5.928	6.102	6.014	6.094	6.018	6.353	6.067	6.339	6.039	6.343	6.201	6.016	6.207	5.972	6.042	5.888	6.195	6.100	5.810	6.086	5.897
1450501	at	Itqa2	NM 008396	Mm.5007	13	6.543	6.382	6.390	6.583	6.369	6.293	6.510	6.572	6.276	6.282	6.416	6.355	6.486	6.507	6.327	6.250	6.407	6.410	6.412	6.391	6.571	6.238	6.621	6.402
1450502	at	Dpvs12	NM 009955	Mm.352648	14	7.074	6.921	6.805	6.936	6.672	6.865	6.851	6.715	6.914	6.938	6.770	6.833	6.806	6.976	6.927	6.783	6.943	6.698	6.701	6.679	6.845	6.872	6.752	6.850
1450503	at	Kcni2	NM 008425	Mm.4951	11	4.462	4.235	4.452	4.534	4.201	4.464	4.355	4.303	4.213	4.182	4.075	4.113	4.200	4.214	4.182	4.194	4.276	4.426	4.433	4.288	4.313	4.383	4.361	4.433
1450504	at	Acpat3	NM 053014	Mm.141230	10	11.311	11.321	10.963	10.988	11.007	10.931	11.090	11.171	11.187	11.180	11.098	11.046	10.974	10.930	10.823	10.915	11.443	11.465	11.167	11.061	11.239	11.111	10.854	10.802
1450505	a at	1810015C04Rik	NM 025459	Mm.25311	15	11.916	10.624	11.608	11.460	10.767	11.248	11.068	10.840	10.820	11.033	10.616	11.336	10.975	10.410	11.564	11.614	11.482	11.468	11.447	11.583	11.199	11.677	12.138	11.979
1450506	a at	Aen	NM 026531	Mm.34109	7	6.814	7.329	7.222	7.246	7.191	7.078	7.216	7.310	7.234	7.315	7.391	7.147	7.231	7.338	7.145	7.269	7.219	7.137	7.211	7.150	7.291	7.113	7.220	7.302
1450507	at	Pou2f3	L14677	Mm.436650	9	7.696	7.445	7.472	7.671	7.443	7.662	7.615	7.619	7.548	7.474	7.581	7.540	7.753	7.635	7.570	7.691	7.600	7.558	7.681	7.663	7.530	7.507	7.611	7.511
1450508	at	Foxn1	NM 008238	Mm.4496	11	6.547	6.220	6.595	6.567	6.300	6.326	6.584	6.363	6.248	6.314	6.382	6.290	6.387	6.421	6.183	6.357	6.300	6.431	6.222	6.617	6.477	6.227	6.489	6.710
1450509	at	Chst11	NM 021439	Mm.360747	10	5.696	5.528	5.615	5.456	5.499	5.585	5.449	5.782	5.656	5.393	5.660	5.517	5.560	5.593	5.566	5.677	5.660	5.438	5.363	5.518	5.402	5.595	5.550	5.446
1450510	a at	Cacna1a	AB066608	Mm.334658	8	4.529	5.097	4.441	4.693	4.498	4.736	4.750	4.992	4.768	4.802	4.724	5.070	4.903	4.883	4.659	4.702	5.303	5.043	5.023	4.815	5.067	5.222	4.803	4.798
1450511	at	Musk	U37709	Mm.16148	4	6.645	6.561	6.509	6.623	6.504	6.562	6.712	6.538	6.514	6.518	6.573	6.548	6.508	6.649	6.568	6.581	6.674	6.656	6.539	6.581	6.566	6.478	6.808	6.717
1450512	at	Ntn4	AF281278	Mm.448571	10	6.330	5.538	5.867	5.914	5.872	5.943	5.953	5.919	5.767	5.889	5.978	5.693	5.767	6.102	6.022	5.969	5.933	6.147	5.923	6.131	6.111	5.706	5.927	6.232
1450513	at	Cd33	NM 021293	Mm.140157	7	7.817	7.641	7.718	7.705	7.696	7.783	7.935	7.637	7.778	7.600	7.763	7.394	7.599	7.675	7.804	7.636	7.543	7.653	7.593	7.695	7.658	7.423	7.714	7.753
1450514	at	Zscan2	NM 009553	Mm.358645	7	6.153	5.929	5.997	6.292	5.918	5.994	6.037	6.244	5.905	5.934	6.092	6.064	5.838	6.118	5.975	5.944	6.370	6.153	6.091	6.020	5.969	6.042	5.912	6.054
1450515	at	Kcni11	U73626	Mm.333863	7	6.720	6.422	6.725	6.841	6.602	6.587	6.727	6.586	6.340	6.270	6.374	6.550	6.451	6.549	6.500	6.909	6.580	6.421	6.521	6.544	6.519	6.186	6.537	6.549
1450516	a at	Rab17	NM 008998	Mm.279780	1	6.197	6.063	6.139	6.237	6.201	6.042	6.114	6.448	6.189	6.093	6.277	6.123	6.083	6.079	6.093	6.200	6.244	6.250	6.291	6.216	6.314	6.209	6.181	6.207
1450517	at	Tal2	NM 009317	Mm.56955	4	6.018	5.483	5.871	5.809	5.854	5.629	5.913	5.736	5.811	5.625	5.285	5.839	5.888	5.834	5.931	5.815	5.809	5.852	5.871	6.167	5.803	6.040	5.939	5.962
1450518	at	Hnf4a	NM 019320	Mm.330897	3	5.362	5.322	5.407	5.447	5.334	5.358	5.371	5.499	5.148	5.341	5.464	5.155	5.273	5.501	5.520	5.756	5.540	5.357	5.670	5.727	5.654	5.464	5.394	5.583
1450519	at	Cacna3	NM 023926	Mm.254336	8	11.454	11.469	11.447	11.449	11.222	11.563	11.313	10.774	11.135	11.117	11.262	11.201	11.307	11.197	11.362	11.382	11.502	11.502	11.552	11.502	11.502	11.502	11.502	11.502
1450520	at	Cacna3	NM 020017	Mm.445912	12	6.366	6.534	6.146	6.186	6.260	6.595	6.303	6.552	6.682	6.530	6.710	6.401	6.561	6.587	6.734	6.547	6.648	6.598	6.497	6.575	6.542	6.332	6.177	6.677
1450521	a at	Tcra-V4	NM 011558	Mm.246559	13	4.473	4.469	4.545	4.490	4.440	4.504	4.549	4.458	4.490	4.477	4.468	4.579	4.500	4.440	4.520	4.552	4.477	4.500	4.539	4.529	4.543	4.533	4.604	4.649
1450522	a at	H1f0	NM 008197	Mm.24350	15	8.647	8.715	8.721	8.722	8.685	8.590	8.634	9.039	8.778	8.826	8.772	8.985	8.858	8.810	8.763	8.593	8.833	8.855	8.849	8.958	8.676	8.813	8.915	8.843
1450523	at	Cntn2	NM 011531	Mm.260861	1	7.399	7.156	7.319	7.327	7.168	7.316	7.353	7.427	7.330	7.220	7.161	7.302	7.232	7.214	7.231	7.344	7.333	7.290	7.418	7.443	7.378	7.421	7.388	7.414
1450524	at	Cldn9	NM 020293	Mm.103738	17	6.590	6.411	6.523	6.691	6.525	6.403	6.444	6.398	6.507	6.682	6.520	6.458	6.386	6.568	6.420	6.623	6.470	6.620	6.431	6.416	6.467	6.402	6.330	6.408
1450525	at	Gli3	NM 008130	Mm.5098	13	5.708	5.324	5.639	5.723	5.585	5.689	5.708	5.516	5.387	5.552	5.579	5.401	5.513	5.390	5.662	5.720	5.539	5.756	5.705	5.756	5.766	5.596	5.624	5.933
1450526	at	Tlx1	BC018246	Mm.391203	19	6.530	6.666	6.870	6.705	6.737	6.351	6.635	6.556	6.483	6.389	6.535	6.522	6.297	6.532	6.615	6.645	6.644	6.537	6.652	6.676	6.765	6.557	6.740	6.710
1450527	at	Rar1	NM 021926	Mm.254336	12	4.997	4.798	4.912	4.913	4.912	4.903	4.940	4.914	4.767	4.475	5.092	4.893	4.905	4.905	4.914	4.947	4.993	4.947	4.925	4.985	4.865	4.957	4.865	4.957
1450528	at	B3gal5	NM 033149	Mm.154783	16	5.961	5.682	5.830	5.961	6.109	5.876	5.875	5.775	6.170	5.798	6.002	5.527	6.098	6.001	5.813	5.804	5.841	5.725	5.822	6.095	5.884	6.030	6.041	6.005
1450529	at	H2a1	NM 008205	Mm.57004	17	7.037	6.795	6.942	6.910	6.933	6.942	6.911	6.834	6.879	6.761	7.009	6.880	6.843	6.899	6.716	6.930	7.021	6.805	7.075	6.977	7.038	6.818	6.797	6.803
1450530	at	B3gal1	NM 020283	Mm.226435	2	5.266	4.774	5.064	5.323	5.102	4.966	5.184	5.142	4.907	5.215	5.119	5.032	5.041	5.081	5.005	4.931	5.022	5.066	5.007	5.304	5.095	5.102	4.996	5.079
1450531	at	H2-B1	NM 008199	Mm.441651	17	5.598	5.641	5.680	5.551	5.757	5.600	5.798	5.890	5.734	5.644	5.696	5.700	5.735	5.728	5.821	5.874	5.770	5.647	5.840	5.840	5.734	5.696	5.702	5.704
1450532	at	P210002J15Rik	NM 026415	Mm.46431	2	7.373	7.200	7.270	7.361	7.351	7.276	7.295	7.388	7.351	7.216	7.582	7.368	7.375	7.371	7.368	7.471	7.425	7.218	7.421	7.568	7.615	7.358	7.408	7.389
1450533	a at	Plagl1	NM 009538	Mm.287857	10	5.593	5.351	5.385	5.461	5.135	5.422	5.326	5.302	5.484	5.														

1450582	at	H2-O5	NM	010393	Mm.439675	17	4.950	4.757	4.765	4.728	4.631	4.675	4.616	4.685	4.553	4.525	4.667	4.621	4.605	4.513	4.500	4.501	4.835	4.775	4.647	4.760	4.631	4.494	4.629	4.869	
1450583	s at	Fpr3	NM	008038	Mm.378918	17	5.680	5.509	5.749	5.789	5.589	5.463	5.853	5.741	5.644	5.655	5.539	5.624	5.661	5.751	5.638	5.790	5.649	5.604	5.657	5.668	5.698	5.486	5.606	5.827	
1450584	at	Hoxd11	NM	008273	Mm.207763	2	5.060	4.942	4.996	5.027	4.900	5.001	5.099	4.869	4.773	4.854	4.988	4.890	4.861	4.866	4.750	4.909	4.912	5.028	5.031	5.038	4.848	4.882	4.953	4.938	
1450585	at	Tas2r119	NM	020503	Mm.377133	15	6.695	6.217	6.518	6.594	6.596	6.511	6.469	6.512	6.375	6.439	6.528	6.288	6.541	6.422	6.471	6.516	6.155	6.098	6.443	6.634	6.606	6.368	6.751	6.574	
1450586	at	Bcl6r1b	NM	007539	Mm.377078	12	6.492	6.460	6.453	6.545	6.451	6.361	6.292	6.275	6.464	6.356	6.602	6.331	6.249	6.543	6.607	6.284	6.550	6.632	6.597	6.684	6.594	6.442	6.348		
1450587	at	H2-M10.1	NM	013544	Mm.347438	17	8.008	7.785	8.016	8.028	7.966	7.91	8.165	7.882	8.087	7.905	8.008	7.857	7.988	7.953	7.901	8.002	7.938	7.943	7.922	7.092	7.859	7.681	7.987	8.005	
1450588	at	Offr67	NM	013619	Mm.377108	7	6.225	5.791	6.082	6.060	5.917	5.953	6.315	6.150	6.034	5.817	6.384	5.602	6.011	6.080	5.915	6.079	5.825	5.845	6.118	6.425	6.084	6.089	6.147	6.376	
1450589	at	Offr749	NM	020288	Mm.390736	14	5.652	5.338	5.446	5.476	5.244	5.408	5.645	5.590	5.524	5.398	5.532	5.286	5.407	5.534	5.495	5.488	5.185	5.530	5.339	5.740	5.649	5.293	5.731	5.528	
1450590	at	Offr159	NM	019476	Mm.88845	4	5.762	5.652	5.642	5.890	5.824	5.650	5.684	5.732	5.740	5.623	5.717	5.778	5.622	5.664	5.873	5.852	5.824	5.763	5.831	5.748	5.634	5.520	5.939	5.766	
1450591	at	Offr154	NM	013728	Mm.377120	2	7.611	7.195	7.442	7.463	7.270	7.295	7.383	7.348	7.321	7.205	7.469	7.169	7.340	7.403	7.379	7.437	7.188	7.384	7.391	7.464	7.551	7.471	7.911	4.916	
1450592	at	Offr69	NM	013621	Mm.377110	7	4.606	4.802	4.863	4.961	4.397	5.033	4.830	4.819	4.582	4.610	4.416	4.397	4.847	4.860	4.716	4.982	4.701	5.275	4.917	5.070	4.683	4.585	4.951	4.748	
1450593	at	lfnab	NM	008335	Mm.377093	4	5.156	4.951	5.375	5.207	5.223	5.239	5.514	5.274	5.367	5.285	5.410	5.123	5.390	5.192	5.349	5.374	5.304	5.349	5.215	5.501	5.380	5.241	5.292	5.518	
1450594	at	Mae2r1	NM	020280	Mm.377097	X	6	6.718	6.519	6.375	6.729	6.603	6.544	6.576	6.762	6.738	6.532	6.792	6.509	6.370	6.789	6.591	6.515	6.349	6.680	6.397	6.712	6.611	6.538	6.521	
1450595	at	Vlnc1	NM	053231	Mm.436285	6	5.639	5.184	5.677	5.394	5.510	5.559	5.510	5.402	5.514	5.436	5.853	5.209	5.587	5.260	5.589	5.730	5.417	5.487	5.492	5.698	5.523	5.535	5.444	5.812	
1450596	at	Offr66	NM	013618	Mm.445781	7	6.057	5.693	6.244	6.144	5.999	5.979	6.014	5.863	5.794	5.820	6.011	5.981	5.788	5.928	5.995	6.062	5.904	5.969	5.971	6.304	6.059	5.834	6.039	6.086	
1450597	at	Offr870	NM	020500	Mm.377130	9	7.376	7.160	7.605	7.417	7.426	7.221	7.399	7.371	7.362	7.154	7.081	7.442	7.594	7.378	7.466	7.389	7.427	7.199	7.376	7.660	7.507	7.254	7.444	7.297	
1450598	at	Vlra4	NM	053219	Mm.377143	6	3.979	3.878	4.045	4.042	3.886	3.989	3.934	3.921	3.920	3.867	3.939	3.782	3.850	3.901	3.851	3.863	3.997	3.960	4.034	4.020	3.935	3.931	3.924	3.989	
1450599	at	Vlrb3	NM	053226	Mm.434332	6	5.792	5.484	6.012	5.992	5.688	5.961	5.951	5.753	5.484	5.449	5.791	5.637	5.844	5.847	5.916	5.936	5.825	5.990	5.843	6.045	6.090	5.785	6.024	6.042	
1450600	at	Offr1508	NM	020513	Mm.419144	14	7.488	7.215	7.690	7.347	7.458	7.489	7.612	7.452	7.409	7.303	7.558	7.271	7.484	7.484	7.572	7.332	7.457	7.511	7.463	7.553	7.648	7.350	7.615	7.360	
1450601	at	Vlrb6	NM	053229	Mm.377153	6	5.275	5.129	5.354	5.267	5.068	5.204	5.244	5.268	5.087	4.819	5.518	5.087	5.126	5.270	5.346	5.198	5.056	5.195	5.260	5.319	5.217	5.083	5.166	5.125	
1450602	at	Vlrc7	NM	053237	Mm.431974	6	4.103	3.924	4.056	4.048	4.054	4.017	4.099	3.931	4.002	4.020	4.058	4.046	3.896	4.087	4.042	4.045	4.011	4.058	4.033	4.178	4.155	3.998	4.046	4.154	
1450603	s at	Vlra3	NM	053218	Mm.425336	6	4.799	4.404	4.734	4.726	4.619	4.654	4.787	4.523	4.572	4.645	4.714	4.531	4.476	4.673	4.656	4.907	4.629	4.702	4.683	4.807	4.826	4.716	4.888	4.728	
1450604	at	Offr140	NM	020515	Mm.330390	2	7.103	6.851	7.095	7.204	6.862	6.828	7.112	7.091	6.998	6.763	7.037	6.697	6.869	6.945	6.818	6.885	7.049	6.923	7.000	7.027	7.260	6.886	7.358	7.058	
1450605	at	Tas2r108	NM	020502	Mm.377132	6	8.014	7.276	7.853	8.053	7.689	7.674	7.887	7.729	7.661	7.583	7.835	7.549	7.782	7.700	7.771	7.782	7.698	7.800	7.848	8.042	7.899	7.654	8.014	7.966	
1450606	at	Pnmt	NM	008890	Mm.57030	11	6.726	6.392	6.575	6.682	6.448	6.537	6.726	6.456	6.548	6.457	6.434	6.557	6.567	6.711	6.480	6.686	6.967	6.671	6.761	6.705	6.681	6.642			
1450607	s at	Ucn3	NM	031250	Mm.313662	13	6.466	6.022	6.263	6.364	6.311	6.247	6.311	6.255	6.317	5.884	6.357	6.131	6.462	6.317	6.075	6.477	6.446	6.120	6.273	6.328	6.500	6.394	6.505	6.182	
1450608	at	Bhlh11	NM	020377	Mm.377137	13	6.994	6.662	7.905	6.667	7.040	7.066	7.040	6.997	7.007	6.983	7.009	6.987	6.861	6.947	6.873	7.047	7.030	6.881	7.048	7.037	7.133	7.048			
1450609	at	Lcn8	NM	031045	Mm.196708	8	6.286	6.309	6.165	6.909	6.511	6.509	6.511	5.844	5.976	5.901	5.570	5.988	6.063	5.812	5.988	5.988	5.988	5.988	5.988	5.988	5.988	5.988	5.988	5.988	
1450610	at	Ucn	NM	021290	Mm.377116	5	6.695	6.421	6.671	6.736	6.612	6.560	6.585	6.610	6.557	6.512	6.642	6.453	6.718	6.643	6.431	6.567	6.898	6.577	6.662	6.807	6.656	6.623	6.583	6.621	
1450611	at	Orn3	NM	013623	Mm.381399	4	7.107	6.980	7.268	7.086	7.110	6.845	7.202	6.971	7.063	6.948	6.963	7.126	7.078	7.062	6.954	7.067	7.021	7.135	7.079	7.135	7.237	6.879	7.158	7.252	
1450612	a at	Pemt	NM	008819	Mm.2731	11	7.298	7.592	7.138	7.490	7.513	7.141	7.274	7.354	7.463	7.482	7.471	7.326	7.232	7.370	7.356	7.304	7.303	7.354	7.292	7.286	7.329	7.317	7.377	7.154	
1450613	x at	lfnab	NM	008336	Mm.377093	4	5.623	5.572	5.765	5.840	5.623	5.604	5.727	5.688	5.664	5.621	5.771	5.663	5.723	5.547	5.648	5.745	5.690	5.530	5.635	5.863	5.817	5.653	5.795	5.771	
1450614	x at	lfnab	NM	010505	Mm.377089	4	5.977	5.893	5.996	5.880	5.949	6.006	6.067	6.087	5.772	5.558	6.236	5.926	6.002	5.956	5.774	6.039	5.981	5.735	6.109	5.970	6.165	6.047	6.010	6.229	
1450615	at	Earr14	NM	017389	Mm.377124	14	5.236	5.188	5.311	5.282	5.160	5.399	5.325	5.400	5.252	5.259	5.248	5.214	5.321	5.215	5.365	5.395	5.282	5.233	5.181	5.437	5.535	5.245	5.257	5.179	
1450616	at	Earr15	NM	017390	Mm.377125	14	5.236	5.188	5.311	5.282	5.160	5.399	5.325	5.400	5.252	5.259	5.248	5.214	5.321	5.215	5.365	5.395	5.282	5.233	5.181	5.437	5.535	5.245	5.257	5.179	
1450617	at	NA	NM	020624	NA	NA	6	6.198	6.064	6.210	6.157	6.035	6.072	6.249	6.175	6.019	5.803	5.939	5.870	5.813	5.983	6.419	6.125	6.201	6.054	6.133	6.123	6.170	6.070	6.228	6.026
1450618	a at	Spr2a	NM	011468	Mm.6853	3	9.386	9.647	9.278	9.107	9.836	9.198	9.198	9.222	12.145	13.530	9.774	12.832	13.428	9.703	10.407	9.091	9.851	9.039	9.142	9.217	9.210	9.032	9.126	9.128	
1450619	x at	NA	NM	020612	NA	NA	8	7.817	8.334	8.687	8.521	8.520	8.539	8.601	8.448	8.539	8.441	8.749	8.372	8.503	8.590	8.480	8.614	8.465	8.679	8.559	8.865	8.676	8.464	8.680	8.628
1450620	at	NA	NM	020620	NA	NA	6	6.953	6.153	6.618	6.875	6.630	6.547	6.809	6.551	6.675	6.490	6.753	6.743	6.750	6.681	6.671	6.946	6.686	6.701	6.709	6.949	6.707	6.719	6.645	6.804
1450621	a at	Hbb-v	NM	008221	Mm.440164	7	5.313	4.801	5.200	5.351	5.314	5.034	5.330	5.185	5.330	5.313	5.266	5.163	5.091	5.215	5.140	5.163	5.198	5.340	5.040	5.304	5.235	5.261	5.146	5.043	
1450622	at	Bcar1	NM	009954	Mm.3758	8	7.763	8.314	7.566</																						

1450671	at	Cryba1	NM	009965	Mm.22830	11	5.781	5.777	5.833	5.850	5.653	5.827	5.870	5.949	5.592	5.575	5.874	5.576	5.670	5.891	5.822	5.865	5.926	5.800	6.011	5.870	5.805	5.797	5.684	
1450672	a at	Trex1	NM	011637	Mm.439964	9	8.637	8.604	8.634	8.555	8.503	8.477	8.559	8.829	8.542	8.486	8.678	8.743	8.447	8.468	8.520	8.576	9.038	8.874	8.537	8.581	8.925	9.068	8.540	8.429
1450673	at	Cdk9a2	NM	007741	Mm.269384	4	5.326	5.172	5.232	5.227	5.696	4.754	5.213	5.331	5.182	5.573	5.232	5.950	6.093	5.104	5.308	5.320	5.444	5.110	5.246	5.126	5.247	5.151	5.024	5.314
1450674	at	CodK5	NM	007668	Mm.298798	5	8.718	9.092	8.667	8.848	8.955	8.754	8.540	5.880	9.062	9.091	8.552	9.062	9.000	8.772	8.795	8.734	8.888	8.999	8.980	8.898	8.803	8.793	8.571	8.616
1450675	at	Smap2	NM	133716	Mm.271819	4	8.145	8.734	8.261	8.409	8.440	8.587	8.405	8.296	8.585	8.501	8.487	8.500	8.377	8.493	8.469	8.330	8.458	8.458	8.458	8.427	8.383	8.466	8.373	8.468
1450676	at	Tead3	NM	009596	Mm.276526	4	6.263	6.466	6.566	6.475	6.435	6.408	6.122	6.823	6.181	6.632	6.350	6.250	6.430	6.672	6.572	6.526	6.563	6.118	6.095	6.708	6.523	6.332	6.139	6.687
1450677	at	Chek1	NM	007691	Mm.16753	9	4.757	6.126	4.779	4.922	5.440	5.158	5.272	5.209	5.257	5.204	5.212	4.724	4.817	5.771	4.914	4.602	4.277	4.418	4.920	4.706	4.498	4.415	4.888	4.780
1450678	at	Itihb2	NM	008404	Mm.1137	10	8.599	9.996	8.733	8.848	8.753	8.721	8.894	8.265	9.790	9.443	9.140	8.324	8.686	10.292	8.575	8.743	7.835	7.918	8.683	7.953	7.738	8.051	8.423	8.978
1450679	at	5730470L24Rik	BC004090	Mm.33937	3	7.258	7.852	7.197	7.311	7.378	7.732	7.776	7.778	7.823	7.737	7.537	7.739	7.519	7.552	7.289	7.186	7.589	7.411	7.426	7.029	7.488	7.549	7.543	7.293	
1450680	at	Raq1	NM	009019	Mm.828	2	4.569	4.371	4.558	4.721	4.364	4.564	4.736	4.479	4.602	4.420	4.481	4.563	4.483	4.687	4.600	4.619	4.611	4.483	4.552	4.506	4.536	4.419	4.496	4.657
1450681	at	Zfp143	NM	009281	Mm.10815	7	6.160	5.992	6.000	5.906	5.962	6.014	6.090	6.225	6.083	6.149	6.088	6.019	5.928	6.077	5.963	6.517	6.058	6.112	6.079	6.233	6.399	5.898	6.173	
1450682	at	Fabp6	NM	008375	Mm.142716	11	4.592	4.448	4.409	4.497	4.468	4.511	4.448	4.480	4.491	4.487	4.348	4.482	4.346	4.575	4.530	4.452	4.510	4.278	4.309	4.454	4.542	4.503	4.397	4.522
1450683	at	Tadp3	NM	019754	Mm.24183	16	5.656	5.273	5.381	5.511	5.378	5.451	5.302	5.381	5.246	5.415	5.349	5.283	5.408	5.280	5.392	5.413	5.555	5.485	5.301	5.428	5.544	5.542	5.396	5.272
1450684	at	Etv1	NM	007960	Mm.4866	12	5.850	6.300	5.906	5.964	5.792	6.370	6.083	6.065	5.945	6.422	5.502	6.229	6.082	5.888	6.114	5.881	6.091	5.872	6.121	5.537	6.235	6.283	6.068	5.849
1450685	at	Arp19	BE648432	Mm.247837	9	9.589	9.795	9.661	9.484	9.763	9.883	9.780	9.743	9.646	10.006	9.634	9.531	9.553	9.605	9.874	9.797	9.880	9.824	10.058	10.067	9.790	9.906	9.836	9.782	
1450686	at	Pon2	NM	008896	Mm.126984	6	8.836	9.468	9.145	8.929	9.597	8.967	8.875	9.467	9.644	9.784	9.410	9.880	9.582	9.401	9.557	9.078	8.798	8.829	8.903	8.414	9.000	9.413	8.650	8.854
1450687	at	Iqf2bp3	NM	023670	Mm.281018	6	4.372	4.149	4.280	4.327	4.234	4.474	4.443	4.241	4.245	4.261	4.487	4.130	4.329	4.389	4.272	4.476	4.349	4.580	4.599	5.064	4.295	4.215	4.498	4.629
1450688	at	Rql2	NM	009059	Mm.43777	17	9.825	10.243	9.814	10.127	10.290	9.950	9.765	10.171	10.373	10.219	10.018	10.407	10.328	10.036	10.058	9.773	10.262	10.204	10.032	10.102	10.217	10.348	10.043	9.965
1450689	at	Prr38	NM	011645	Mm.425318	6	4.829	4.648	4.924	4.890	4.693	4.626	4.691	4.765	4.686	4.628	4.635	4.718	4.737	4.638	4.800	4.871	4.668	4.586	4.748	4.899	4.769	4.749	4.947	4.956
1450690	at	Ranp2	BM507707	Mm.431695	10	10.304	10.194	10.409	10.112	10.116	10.271	10.291	10.023	9.915	10.242	10.104	10.135	10.074	10.212	10.375	10.480	10.016	9.888	10.098	10.138	10.236	10.268	10.449	10.536	
1450691	at	Caskin2	NM	080643	Mm.383737	11	9.547	9.453	9.292	9.426	9.557	9.109	9.172	9.809	9.318	9.461	9.904	9.666	9.540	9.300	9.485	9.389	9.700	9.668	9.346	9.298	9.755	9.888	9.524	9.875
1450692	at	Kif4	NM	008446	Mm.383091	x	7.111	7.750	7.015	7.208	7.228	7.065	7.270	7.472	7.475	7.321	8.018	6.925	6.957	7.691	7.319	7.123	6.998	6.970	7.179	7.254	7.401	6.978	7.265	7.173
1450693	at	Rqs17	NM	019958	Mm.44606	10	6.829	6.599	6.433	6.844	6.705	6.589	6.504	6.576	6.410	6.440	6.806	6.582	6.415	6.542	6.561	6.603	6.678	6.420	6.496	6.449	6.719	6.848	6.533	6.684
1450694	at	Fkbp2	NM	008020	Mm.4234	19	9.378	10.535	9.347	9.498	9.472	9.386	9.465	9.741	10.135	9.877	9.549	9.722	9.574	10.014	9.308	9.346	9.500	9.554	9.379	9.310	9.471	9.562	9.154	9.045
1450695	at	Ahr	BE989096	Mm.341377	12	7.835	7.452	7.605	7.863	7.734	7.680	7.787	7.369	7.905	7.754	7.664	7.499	7.568	7.509	7.939	7.673	7.664	7.764	7.819	7.789	7.737	7.734	7.734	7.820	
1450696	at	Psmb9	NM	013585	Mm.390983	17	7.548	8.581	7.865	8.143	8.134	8.003	10.413	8.353	8.102	8.090	7.984	8.065	8.102	8.264	7.865	7.973	8.343	8.089	8.020	7.925	8.175	8.196	7.754	7.719
1450697	at	Scn1b7	NM	033222	Mm.31286	3	8.378	8.232	8.409	8.266	8.319	8.585	8.769	8.375	8.265	8.656	8.056	8.086	8.056	8.086	8.162	8.048	8.066	8.162	8.048	8.066	8.162	8.048	8.066	8.162
1450698	at	L113	NM	027222	Mm.47239	17	7.893	7.437	7.686	7.664	7.638	7.638	7.518	7.330	7.338	7.706	7.768	7.768	7.435	7.427	7.501	7.640	7.640	7.676	7.676	7.653	7.653	7.653	7.653	7.653
1450699	at	Selenbp1	NM	009150	Mm.196558	3	11.862	10.655	11.857	11.859	11.130	11.660	11.297	11.000	10.181	10.475	10.337	11.042	10.815	10.402	11.227	11.801	11.239	11.977	11.961	11.959	12.048	12.122	11.739	11.717
1450700	at	Cdc42ep3	BB012489	Mm.140601	17	9.783	9.880	10.047	10.104	10.122	10.211	10.010	10.291	10.061	10.177	9.818	10.274	10.379	10.109	10.628	10.016	10.598	10.518	10.472	10.523	10.381	10.603	9.824	10.103	9.824
1450701	a at	Gtf2h2	NM	022011	Mm.272533	13	9.067	9.453	9.068	9.320	9.074	9.343	9.207	9.131	8.958	8.993	8.756	9.166	9.080	9.044	8.885	9.178	9.113	9.157	9.309	9.099	9.010	9.160	9.003	9.043
1450702	at	Hfe	AJ306425	Mm.2681	13	8.327	9.670	8.574	8.022	7.661	9.137	9.135	8.955	8.077	8.821	7.946	9.254	8.986	8.949	8.039	8.544	7.995	7.932	8.117	7.993	7.734	7.956	7.919	7.911	
1450703	at	Slt3a2	BFS33509	Mm.4676	8	4.765	4.708	5.108	4.490	4.956	5.093	4.917	5.111	5.100	5.134	4.834	4.834	4.888	5.096	4.952	4.975	4.825	4.941	4.802	4.898	4.880	5.033	4.940	4.883	4.930
1450704	at	Ich	NM	010544	Mm.439736	1	7.291	6.888	7.009	7.298	6.924	7.001	7.052	7.025	7.051	6.970	7.084	6.897	7.107	6.989	7.108	7.089	7.025	6.947	7.106	7.039	7.219	7.051	7.044	7.335
1450705	at	Rdbp	NM	033580	Mm.31697	17	8.707	9.458	8.717	9.549	9.389	8.712	9.578	9.017	9.221	10.451	9.087	9.435	9.072	9.137	8.912	8.760	8.809	8.917	8.760	8.809	8.917	8.760	8.809	8.917
1450706	a at	Arl3	NM	019718	Mm.22085	19	12.027	11.846	12.180	12.211	12.021	12.151	12.133	11.810	11.729	11.935	11.751	12.005	11.839	11.669	12.010	12.078	12.226	12.351	12.349	12.275	12.152	12.250	12.390	12.264
1450707	at	Cdc2a	NM	021791	Mm.266972	19	11.072	10.300	10.288	11.421	11.054	11.548	11.300	11.355	9.946	10.028	10.799	10.999	10.516	10.186	10.932	10.761	11.232	11.952	11.100	11.801	11.775	11.670	11.389	11.058
1450708	at	Scd2	NM	009129	Mm.5038	1	6.075	5.913	5.708	5.917	5.677	6.041	5.859	5.916	5.752	5.978	5.993	5.904	5.828	5.810	5.874	5.832	5.831	5.873	5.801	5.940	5.855	5.635	5.886	5.843
1450709	at	Defcr5	NM	007851	Mm.426634	8	4.110	4.046	3.926	3.917	3.977	3.878	4.033	3.919	3.964	3.971	4.118	3.906	4.069	3.843	3.771	3.836	4.137	3.896	3.881	3.993	3.955	3.925	4.186	3.975
1450710	at	Brd4	NM	021878	Mm.25059	13	7.209	7.085	7.374	7.608	7.239	7.684	7.591	6.282	6.781	7.098	6.724	7.328	6.872	7.391	7.226	7.510	6.576	7.363	7.415	7.420	6.914	6.634		

1450760	a	at	Ino3	BB020556	Mm.39999	6	7.378	7.139	6.869	6.754	6.889	6.907	7.043	7.368	6.866	6.912	6.850	6.860	6.686	6.911	7.083	7.034	6.904	6.677	6.655	6.976	7.467	7.019	6.639	
1450761	s	at	Rims2	NM 0523271	Mm.309296	15	7.222	6.859	7.020	7.190	7.152	7.035	7.138	7.163	7.242	7.253	7.268	7.183	7.198	7.194	7.315	7.142	7.303	7.329	7.103	7.317	7.359	7.316	7.217	7.226
1450762	s	at	Zfp191	BF780333	Mm.417427	18	6.689	6.555	6.806	6.556	6.366	6.743	6.642	6.421	6.207	6.521	6.394	6.173	6.460	6.394	6.547	6.624	6.641	6.723	6.807	6.875	6.546	6.394	6.724	6.548
1450763	x	at	Wn3	NM 009521	Mm.159091	11	3.768	3.769	3.570	3.813	3.750	3.673	3.701	3.657	3.740	3.705	3.648	3.752	3.668	3.891	3.738	3.775	3.734	3.820	3.728	3.700	3.961	3.873	6.474	3.728
1450764	at		Aonh5	NM 012054	Mm.314046	13	6.046	5.830	5.881	5.979	5.944	5.852	6.002	5.932	6.054	5.818	5.978	5.835	5.741	5.881	5.800	6.381	6.005	5.750	5.554	5.892	6.046	6.128	5.896	6.047
1450765	at		Pde6h	NM 023898	Nm.290622	6	5.910	5.663	5.869	5.924	5.825	5.565	5.794	5.788	5.751	5.844	5.761	5.772	5.889	5.738	5.639	5.702	5.650	5.738	5.650	5.975	5.823	5.843	5.765	
1450766	at		Pde6h	NM 023898	Nm.290622	6	5.375	4.802	5.074	5.096	4.857	4.843	4.912	4.881	4.766	4.692	4.713	4.797	5.116	4.919	4.851	5.007	5.062	4.966	5.164	5.132	5.028	4.733	5.082	5.020
1450767	at		Nedd9	NM 017464	Mm.288980	13	6.822	6.757	6.294	6.267	6.427	5.799	6.136	6.370	6.976	6.800	6.873	6.538	6.600	6.038	6.378	6.480	5.992	5.549	5.672	5.399	6.087	5.937	6.421	6.460
1450768	at		Dla1	BO176806	Mm.382	16	9.562	9.367	9.844	9.716	9.452	9.827	9.591	9.954	9.397	9.639	9.463	9.208	9.363	9.658	9.547	9.833	8.882	9.089	9.555	9.685	9.032	9.022	9.695	9.981
1450769	s	at	StarD5	BI076697	Mm.357953	7	7.556	7.995	7.608	7.535	7.727	7.719	7.705	7.602	7.838	8.054	7.565	7.975	7.985	8.016	7.936	7.652	7.571	7.570	7.765	7.486	7.499	7.540	7.617	7.429
1450770	at		36324510O6Rik	BC023359	Mm.318710	14	9.091	8.172	9.092	8.387	8.582	8.764	8.935	7.712	8.619	8.463	7.957	9.236	8.962	7.999	8.589	9.153	8.740	8.368	8.537	8.051	8.519	9.064	8.503	8.620
1450771	at		Fut9	NM 010243	Mm.39101	4	4.004	3.963	4.085	3.811	3.933	3.885	3.841	4.045	3.994	3.941	3.952	3.878	3.947	3.972	3.944	3.892	4.084	4.053	4.010	4.067	3.959	3.984	3.971	4.056
1450772	at		Wn11	NM 009519	Mm.22182	7	8.360	7.976	8.060	8.137	8.109	8.091	8.089	8.183	8.019	8.078	8.213	8.199	8.448	7.682	8.184	7.968	8.485	8.278	8.255	8.378	8.477	8.116	8.111	8.161
1450773	at		Kcnd2	BB051684	Mm.425316	6	9.617	8.709	9.383	9.535	9.444	9.859	9.527	8.520	8.551	8.727	8.889	8.784	8.799	8.481	9.470	9.464	9.745	9.638	9.912	9.791	9.570	9.665	9.951	9.975
1450774	at		Ly6q6d	NM 033478	Mm.246697	17	4.884	4.778	4.506	4.740	4.874	4.674	4.679	4.915	4.788	4.760	4.731	4.958	4.995	4.604	4.783	4.711	4.941	4.772	4.655	4.687	4.708	4.814	4.654	4.647
1450775	at		Mos	NM 020021	Mm.459300	4	7.036	6.662	6.826	7.000	6.996	7.064	6.827	7.121	6.725	6.712	6.977	6.871	6.946	6.797	6.861	6.945	7.123	6.831	6.833	6.938	6.954	7.076	6.889	6.913
1450776	at		Axnat6	NM 018743	Mm.200898	8	9.036	9.074	9.294	9.070	8.952	9.145	9.062	8.747	8.842	8.988	8.984	8.826	8.822	9.103	9.216	9.293	8.895	9.108	9.185	9.270	8.710	8.801	9.111	9.202
1450777	at		Krrn2	NM 011917	Mm.3065	2	8.631	8.845	8.682	8.613	8.698	8.857	8.539	8.475	8.536	8.516	8.338	8.538	8.680	8.697	8.706	8.594	8.962	8.837	9.043	8.925	8.522	8.675	8.677	8.722
1450778	at		Rnuxa	NM 019996	Mm.214569	18	9.360	9.771	9.412	9.491	9.570	9.506	9.347	9.685	9.702	9.687	9.434	8.991	9.666	9.616	9.634	9.415	9.807	9.645	9.600	9.378	9.761	9.767	9.515	9.551
1450779	at		Fabp9	NM 021272	Mm.3644	10	5.982	6.061	5.484	5.794	5.678	5.518	5.697	5.998	6.027	5.666	5.792	5.964	6.015	5.942	6.077	5.692	6.707	6.821	6.541	6.084	5.951	6.078	5.911	5.732
1450780	at		Hmqa2	X58380	Mm.157190	10	6.555	6.397	6.472	6.511	6.427	6.424	6.540	6.658	6.535	6.362	6.334	6.498	6.567	6.559	6.468	6.246	6.353	6.271	6.520	6.332	6.541	6.433	6.516	6.555
1450781	at		Hmqa2	X58380	Mm.157190	10	5.561	5.463	5.615	5.610	5.308	5.511	5.420	5.516	5.389	5.394	5.617	5.430	5.414	5.554	5.425	5.733	5.466	5.508	5.495	5.482	5.563	5.626	5.519	5.539
1450782	at		Wnt4	NM 009523	Mm.20355	4	6.804	6.715	6.880	6.903	6.786	6.838	6.728	7.027	7.105	6.620	6.778	6.775	6.759	6.881	6.651	6.653	7.039	6.892	6.721	6.662	7.184	6.837	6.822	6.734
1450783	at		Ifit1	NM 008331	Mm.439751	19	6.525	7.521	6.337	6.750	6.956	6.655	8.036	7.369	7.176	7.099	7.067	7.119	7.346	7.188	6.573	6.458	7.150	6.575	6.470	6.564	7.020	7.111	7.143	6.514
1450784	at		Reck	NM 016678	Mm.331573	4	8.067	7.965	8.121	8.206	8.674	9.009	8.355	8.390	8.326	8.679	8.024	9.017	8.868	8.368	8.797	8.228	8.218	8.381	8.617	8.122	8.189	8.222	7.952	8.028
1450785	at		Trip4	AV350958	Mm.208379	9	5.475	5.207	5.423	5.510	5.665	5.738	5.711	5.473	5.607	5.609	5.678	5.713	5.663	5.565	5.717	5.601	5.783	5.643	5.458	5.769	5.493	5.647	5.607	5.511
1450786	x	at	Cln5	NM 018008	Mm.117406	3	9.615	9.808	9.865	9.861	9.827	9.846	9.828	9.835	9.816	9.858	10.219	10.219	10.356	10.206	9.846	8.401	10.306	9.822	8.457	9.471	9.366	9.471	9.366	9.532
1450787	at		Cln5	NM 016691	Mm.331573	X	5.950	5.695	5.934	5.932	5.712	5.872	5.839	5.607	5.841	5.108	5.573	5.922	5.787	5.891	5.563	5.643	5.458	5.769	5.493	5.647	5.607	5.511		
1450788	at		Saa1	NM 009117	Mm.148800	7	4.212	3.787	4.429	4.175	4.072	4.232	4.407	4.195	4.006	3.926	4.197	4.071	4.159	4.217	4.298	4.210	4.156	4.247	4.421	4.313	4.306	4.188	4.547	4.370
1450789	at		Rhn1	NM 008164	Mm.57052	15	5.715	5.536	5.592	5.727	5.529	5.144	5.451	5.790	5.542	5.489	5.573	5.548	5.707	5.620	5.541	5.689	5.677	5.142	5.453	5.709	5.528	5.520	5.498	5.361
1450790	at		Tg	NM 009375	Mm.441333	15	7.152	6.417	7.289	7.183	6.759	6.713	6.909	6.800	6.355	6.597	6.663	6.479	6.494	6.404	6.703	7.105	7.146	7.135	7.060	7.049	7.125	7.396	6.990	7.064
1450791	at		Nobb	NM 008726	Mm.2740	4	14.051	14.472	13.651	13.001	14.000	13.500	14.204	14.557	14.365	14.423	14.625	14.540	14.543	14.652	14.636	13.656	12.181	12.596	12.551	12.916	13.885	12.960	13.340	14.303
1450792	at		Tvrbp	NM 011662	Mm.46301	7	9.097	10.499	9.042	9.319	9.545	9.477	9.574	9.312	10.766	10.230	9.709	9.834	10.002	10.906	9.575	8.920	8.711	8.801	8.977	8.578	8.660	8.997	8.859	8.709
1450793	at		49305524Rik	NM 023774	Mm.46906	X	5.978	5.536	5.752	5.581	5.663	5.637	5.814	5.616	5.408	5.514	5.503	5.444	5.558	5.584	5.666	5.746	5.763	5.726	5.767	5.770	5.802	5.692	5.771	5.716
1450794	at		Mos	NM 020021	Mm.459300	2	8.247	8.202	7.365	8.512	7.216	7.518	8.437	7.480	7.142	7.998	7.903	7.350	7.224	7.173	7.322	7.385	7.424	7.424	7.424	7.424	7.424	7.424	7.424	7.424
1450795	at		Lhb	NM 008497	Mm.57061	7	7.165	6.762	7.022	7.193	7.101	6.752	7.106	7.360	7.404	7.004	7.143	7.104	7.000	7.082	7.109	6.971	7.120	7.151	7.060	7.263	7.318	7.117	7.073	7.233
1450796	at		Atoh7	NM 016864	Mm.228661	10	7.169	7.284	7.132	7.359	7.209	7.146	7.162	7.571	7.336	7.159	7.201	7.214	7.289	7.246	7.216	7.239	7.316	7.189	7.084	6.954	7.224	7.352	7.709	7.216
1450797	a	at	Cbx1	NM 007622	Mm.29055	11	7.069	6.971	7.178	6.904	6.834	6.876	7.003	6.971	6.568	7.018	7.088	6.932	6.907	6.856	7.103	6.896	6.961	7.118	7.129	7.039	6.918	6.905	9.950	7.125
1450798	at		Tnxb	NM 031176	Mm.290527	17	10.104	9.094	9.638	10.245	9.665	10.202	10.147	10.132	8.304	9.113	9.496	9.578	9.191	9.355	9.718	9.895	10.297	10.016	9.905	9.946	9.923	10.171	9.921	9.741
1450799	at		Syctap1r1	NM 007407	Mm.44245	6	8.328	8.071	8.359	8.373	8.252	8.246	8.396	8.267	8.179	8.213	8.432	8.261	8.413	8.509	8.211	8.324	8.323	8.322	8.492	8.403	8.394	8.316	8.418	8.351
1450800	at		Avc8	NM 018802	Mm.217009	7	7.272																							

1450849	at	Hnnpu	BF228203	MM.426956	1	10.529	10.588	10.297	10.258	10.116	10.346	10.107	10.363	10.168	10.309	10.438	10.245	10.253	10.442	10.345	10.375	9.997	10.187	10.240	10.278	10.361	10.345	10.470	
1450850	at	Ezr	BM119387	MM.277812	17	8.708	9.154	8.607	9.004	9.270	9.387	8.953	9.000	8.569	8.936	8.736	9.100	8.857	8.787	8.978	8.635	9.070	9.363	9.433	9.272	9.269	9.107	8.939	8.796
1450851	at	Wdr1	AK004644	MM.2654	5	11.163	11.953	11.114	11.340	11.403	11.369	11.373	10.729	11.768	11.862	11.851	11.336	11.445	12.086	11.466	11.402	10.038	10.748	11.018	10.903	10.434	9.995	10.800	11.112
1450852	s at	Tfz	B0173958	MM.24816	13	10.080	11.492	9.885	9.817	10.910	10.367	9.947	11.484	11.673	11.643	10.990	11.130	11.387	10.660	10.929	9.931	9.958	9.741	9.605	9.536	9.837	10.094	9.748	
1450853	at	P4	AU046508	MM.103638	19	8.772	8.892	8.608	8.756	8.638	8.842	8.772	8.715	8.461	8.632	8.821	8.844	8.854	8.894	8.791	8.679	8.722	8.686	8.725	8.730	8.618	8.720	8.580	8.942
1450854	at	Pzq4	BM232515	MM.203599	10	7.745	7.671	7.710	7.766	7.610	7.846	7.687	7.304	7.712	7.583	7.722	7.420	7.545	7.735	7.788	7.306	7.767	7.980	7.547	7.570	7.606	8.072	7.938	
1450855	at	Arvcf	BE947943	MM.293599	16	7.829	7.968	7.357	7.716	8.008	7.595	7.682	8.176	8.030	7.908	7.869	8.189	8.106	7.572	7.843	7.791	7.968	7.990	7.657	7.749	8.219	8.227	7.729	7.938
1450856	at	Arvcf	BE947943	MM.293599	16	6.866	6.879	7.136	6.946	6.849	6.670	6.897	6.858	6.943	6.819	6.709	6.923	6.925	6.781	6.781	6.979	6.906	6.922	6.896	6.933	6.931	6.825	6.973	7.061
1450857	a at	Col1a2	BF227507	MM.277792	6	12.658	14.514	12.461	13.120	14.649	13.714	12.622	13.678	15.126	14.869	13.837	14.669	14.964	14.611	14.445	12.555	12.154	12.516	13.044	11.865	12.268	12.331	11.702	12.029
1450858	s at	Ube2d3	AK009276	MM.49884	3	12.449	12.567	12.474	12.309	12.250	12.486	12.536	12.229	12.179	12.507	12.657	12.076	12.141	12.685	12.487	12.493	11.973	12.111	12.424	12.503	12.140	12.087	12.551	12.602
1450859	s at	Ube2d3	AK009276	MM.49884	3	10.688	10.287	10.938	10.678	10.713	10.899	10.875	10.696	9.938	10.560	10.627	10.471	10.334	10.616	10.688	10.958	10.462	10.567	10.803	10.762	10.631	10.695	10.765	10.975
1450860	at	Lad3	AK010384	MM.286630	5	10.323	10.691	10.582	10.687	10.445	10.747	10.596	10.394	10.385	10.547	10.515	10.493	10.318	10.566	10.502	10.620	10.618	10.610	10.756	10.690	10.551	10.607	10.562	10.761
1450861	at	Fanc	BE952454	MM.126106	13	7.456	7.157	7.166	7.433	7.281	7.294	7.263	7.345	7.134	7.091	7.308	7.376	7.325	7.287	7.149	7.293	7.478	7.323	7.249	7.301	7.75	7.237	7.403	7.394
1450862	at	Rpd54l	AV310220	MM.3655	4	6.816	7.994	6.710	6.891	7.387	6.770	7.018	7.410	7.491	7.296	7.374	6.823	7.067	8.093	6.866	6.692	6.520	6.811	6.703	6.783	6.615	6.265	6.535	
1450863	a at	DclK1	B0174703	MM.393242	3	5.677	5.380	5.628	5.490	5.863	5.504	5.532	5.417	6.240	6.033	5.773	5.746	5.641	5.758	5.647	5.611	5.570	5.464	5.484	5.486	5.436	5.331	5.514	5.460
1450864	at	CalM3	AU079142	MM.288630	7	8.629	9.140	8.667	8.623	8.587	8.349	8.541	8.963	9.102	8.970	8.710	9.046	8.529	8.997	8.397	8.609	8.457	8.616	8.340	8.415	8.271	8.390	8.190	8.228
1450865	s at	Mrs24	BF167852	MM.7328	11	11.427	11.287	11.347	11.437	11.298	11.458	11.522	11.537	11.104	10.928	11.157	11.411	11.220	10.997	11.179	11.447	11.977	11.909	11.637	11.612	11.772	11.753	11.508	11.349
1450866	a at	Mrlp17	B0179556	MM.44225	7	10.337	10.917	10.306	10.253	10.175	10.046	10.478	10.753	10.625	10.353	10.454	10.270	10.232	10.412	10.109	10.245	10.140	10.720	10.341	10.326	10.644	10.732	10.120	10.127
1450867	at	Mrlp17	B0179556	MM.44225	7	7.488	7.132	7.428	7.616	7.348	7.343	7.513	7.307	7.410	7.267	7.647	7.250	7.535	7.424	7.485	7.502	7.303	7.322	7.434	6.711	7.510	7.327	7.511	7.351
1450868	at	Hsmtat	BF468249	MM.28326	8	9.358	9.687	9.287	8.915	9.179	9.145	9.499	8.842	9.318	9.232	9.167	9.524	9.342	9.927	9.230	9.245	8.829	9.012	9.145	8.868	8.741	8.843	8.996	9.074
1450869	at	Fof1	AI649186	MM.241282	18	9.592	9.843	9.789	9.767	9.919	9.825	9.680	9.607	9.498	9.873	9.865	9.741	9.733	9.701	9.905	9.800	9.685	9.817	9.930	9.905	9.549	9.618	9.855	9.892
1450870	at	Rala	BG073338	MM.27348	13	7.863	8.050	8.148	8.138	8.009	8.095	8.086	7.790	7.758	7.833	7.829	8.155	8.063	7.960	8.125	7.856	7.987	7.978	8.028	8.166	7.912	8.023	8.328	8.391
1450871	a at	Bcat1	X17502	MM.4606	6	6.894	8.868	6.530	6.708	6.616	6.858	6.669	6.674	8.526	7.783	7.723	7.105	6.945	8.891	6.758	6.647	6.085	6.407	6.766	6.143	6.536	6.627	6.772	6.720
1450872	s at	Ltp	AI596237	MM.157545	19	9.633	10.424	9.383	9.511	10.097	9.434	9.367	9.865	10.684	10.506	9.968	10.071	10.323	10.265	9.634	9.458	9.727	9.721	9.872	9.585	9.578	9.883	9.317	9.351
1450873	at	Glpb4	AI987834	MM.41800	13	10.087	10.426	10.051	10.046	10.256	10.120	10.126	10.064	10.281	10.348	10.968	10.360	10.155	10.385	10.179	10.121	9.912	10.026	10.155	9.950	10.037	10.071	10.255	10.159
1450874	at	Matr3	BF226671	MM.215034	18	11.376	11.121	11.376	11.348	11.387	11.345	11.348	11.455	10.885	11.159	11.135	11.404	11.310	11.076	11.378	11.430	11.652	11.260	11.299	11.321	11.535	11.678	11.311	11.447
1450875	at	Gpr37	B0175410	MM.205670	6	5.354	5.207	5.321	5.155	5.369	5.188	5.247	5.154	5.087	5.258	5.134	5.258	5.134	5.258	5.134	5.258	5.134	5.258	5.134	5.258	5.134	5.258	5.134	5.258
1450876	at	Ctr1	AI987976	MM.8565	18	8.176	7.701	8.227	8.411	8.421	8.173	8.029	8.893	8.05	8.560	8.666	7.518	8.719	8.401	8.213	8.71	8.62	8.083	8.247	8.173	8.282	8.113	6.894	8.202
1450877	at	BCO05537	BI155782	MM.266668	13	11.722	11.641	11.808	11.537	11.592	11.850	11.719	11.142	11.485	11.792	11.495	11.373	11.438	11.841	11.662	11.827	10.993	11.028	11.458	11.527	11.101	11.255	11.190	11.784
1450878	at	Smc	AK008404	MM.96211	5	10.468	11.889	10.450	10.430	10.864	10.502	10.423	10.833	11.691	11.420	11.010	11.027	11.287	11.422	10.977	10.710	10.162	10.212	10.249	10.168	10.274	10.163	10.159	10.364
1450879	at	Atp9b	BB667482	MM.247138	18	8.521	8.818	8.453	8.751	7.83	8.607	8.457	8.538	9.092	8.758	8.645	8.757	8.780	8.734	8.613	8.622	8.360	8.454	8.645	8.599	8.517	8.359	8.660	8.598
1450880	at	Mrlp16	AK004034	MM.203928	19	11.553	11.326	11.880	11.738	11.520	11.686	11.675	11.569	10.947	11.156	11.403	11.555	11.299	11.228	11.556	11.961	11.650	11.660	11.792	11.744	11.486	11.160	11.472	11.649
1450881	s at	Gpr137b-ps	AK010724	MM.415635	13	8.866	9.375	9.131	9.172	9.332	9.211	9.088	8.979	9.566	9.488	9.084	9.513	9.348	9.650	9.342	9.079	9.106	9.081	9.199	8.945	8.830	9.054	8.835	8.817
1450882	s at	Gpr137b-ps	AK010724	MM.415635	13	8.291	9.203	8.384	8.488	8.451	8.384	8.199	8.265	9.304	9.264	8.383	8.580	8.917	9.170	8.761	8.392	8.208	8.078	8.354	8.206	8.211	8.067	8.165	8.245
1450883	at	Ube2d3	BF468249	MM.28326	5	13.341	12.938	13.63	13.136	12.093	13.15	12.958	12.902	12.736	12.73	12.862	12.712	12.751	12.923	13.263	13.540	12.955	13.551	13.358	13.583	13.673	13.973	13.625	
1450884	at	Cd36	BB534670	MM.18628	5	12.360	11.247	12.390	12.167	11.553	12.135	12.181	11.715	10.815	11.251	11.396	11.246	11.169	11.266	11.829	12.377	12.088	12.163	12.265	12.341	12.081	12.235	12.444	12.522
1450885	at	Dffa	BB446076	MM.41433	4	9.538	10.143	9.659	9.550	10.056	9.684	9.651	10.069	9.905	10.105	10.106	9.412	9.420	9.731	9.720	9.663	9.549	9.846	9.909	9.750	9.538	9.794	9.602	9.721
1450886	at	Gsa2	BE457839	MM.42045	11	5.884	6.968	5.800	5.824	6.153	6.102	6.168	6.955	6.826	6.379	6.964	6.249	6.359	6.813	6.424	5.814	5.973	5.811	5.757	5.911	5.731	5.953	5.955	5.631
1450887	at	Rcd1	AK005025	MM.291708	1	8.910	9.217	8.747	8.907	8.901	8.971	8.900	8.662	8.870	8.996	8.965	8.694	8.840	8.999	8.823	8.806	8.622	8.862	8.889	8.904	8.763	8.663	8.869	8.722
1450888	at	Naab	BB147418	MM.274308	2	8.425	8.000	8.398	8.329	8.163	8.199	8.369	8.141	8.114	8.237	8.331	8.337	8.247	8.322	8.400	8.349	8.171	8.389	8.406	8.680				

1450938	at	Pnn	AV135835	Mm.22347	12	8.307	8.250	8.617	8.442	8.168	8.584	8.404	7.878	7.743	8.283	8.243	8.156	7.970	8.345	8.306	8.738	8.122	8.240	8.459	8.376	8.207	8.299	8.656	8.671
1450939	at	Entnd1	BI151440	Mm.2824	19	7.042	6.682	7.270	6.818	6.999	6.957	6.590	6.980	7.243	7.275	7.027	7.233	7.252	6.974	6.923	7.122	6.489	6.256	6.798	6.155	6.811	6.667	6.540	6.336
1450940	at	Gdcp1	AU017649	Mm.18218	1	4.324	4.396	4.456	4.304	4.486	4.784	4.425	4.655	4.714	4.453	4.635	4.379	4.509	4.404	4.492	4.475	4.608	4.494	4.437	4.462	4.400	4.241	4.573	4.561
1450941	at	Sdcbo	AV227603	Mm.247473	4	9.815	10.338	9.896	9.730	9.777	9.867	9.916	9.677	10.133	10.218	10.058	9.799	10.053	10.447	9.981	9.830	9.363	9.416	9.734	9.620	9.404	9.558	9.827	9.739
1450942	at	Zlgho0	AI530149	Mm.26622	11	7.152	7.151	7.489	7.308	7.134	7.066	7.569	6.610	7.089	7.070	6.839	7.311	6.898	7.042	7.598	7.706	6.798	7.405	7.377	7.124	7.009	7.115	7.670	7.743
1450943	at	Magohb	AK006303	Mm.28623	6	7.640	7.927	7.290	7.441	7.927	7.429	7.560	7.760	7.598	7.419	7.488	7.631	7.293	7.515	7.427	7.481	8.143	8.067	7.588	7.588	7.923	7.880	7.563	7.589
1450944	at	Csqd4	BB377873	Mm.41329	9	9.084	9.294	8.982	8.892	9.432	9.028	8.799	9.230	9.605	9.643	9.480	9.387	9.434	9.284	9.251	8.876	8.967	8.992	8.821	8.893	8.756	8.802	8.695	8.756
1450945	at	Prkca	BM246539	Mm.222178	11	8.986	9.121	8.941	8.828	9.031	9.062	9.312	9.212	8.820	9.120	9.419	9.007	8.956	9.089	9.053	9.046	8.958	9.082	9.029	9.096	9.108	9.014	9.221	9.209
1450946	at	Nrlr	BG298773	Mm.20422	14	6.091	5.841	6.304	6.057	6.088	6.428	6.237	6.174	5.929	5.880	6.269	5.986	6.173	6.199	6.080	6.309	6.064	6.255	6.283	6.161	6.248	6.225	6.238	6.285
1450947	at	2610528J11Rik	AK012175	Mm.34431	4	5.234	5.045	5.273	5.390	5.162	5.390	5.351	5.212	5.263	5.104	5.241	5.025	5.259	5.286	5.180	5.308	5.245	5.119	5.436	5.564	5.262	5.064	5.154	5.357
1450948	a at	Mrol1	AK010343	Mm.295499	5	8.817	8.296	8.345	8.473	8.039	8.282	8.505	8.836	7.878	8.060	8.175	8.156	7.990	7.915	8.213	8.599	8.796	8.696	8.450	8.222	8.651	9.149	8.515	8.726
1450949	at	Katna1	AK012319	Mm.28127	10	8.913	9.127	8.900	8.965	8.865	9.021	9.075	9.082	8.951	9.169	8.834	8.986	9.026	8.963	8.859	9.093	8.841	8.919	8.937	8.894	8.698	8.927	8.944	8.976
1450950	at	Smc3	AK005647	Mm.14910	19	9.861	9.892	9.703	9.878	9.854	9.872	9.924	9.985	9.806	9.800	9.746	9.917	9.847	9.897	9.885	9.685	9.985	9.853	9.916	9.823	9.910	10.084	9.816	9.605
1450951	at	Smc3	AK005647	Mm.14910	19	7.887	7.623	7.660	7.703	7.654	7.699	7.897	7.772	7.615	7.509	7.864	7.661	7.593	7.789	7.655	7.608	7.605	7.567	7.707	7.711	7.675	7.613	7.710	7.812
1450952	at	Pln	AK002622	Mm.34145	10	14.572	14.046	14.562	14.601	14.287	14.509	14.559	14.259	13.944	14.146	14.077	14.151	14.075	13.967	14.220	14.544	14.693	14.605	14.564	14.606	14.642	14.630	14.624	14.532
1450953	at	Ciao1	AK004129	Mm.45179	2	9.975	10.169	10.206	10.196	10.257	10.139	10.202	10.108	10.147	9.993	10.388	10.208	10.163	10.321	10.285	10.223	10.500	10.507	10.420	10.213	10.024	10.204	10.250	10.179
1450954	at	Yme11	BB826168	Mm.23335	2	8.357	8.498	8.556	8.266	8.157	8.368	8.509	8.304	8.017	8.610	8.840	8.401	8.254	8.389	8.339	8.257	7.902	8.214	8.379	8.342	8.314	8.362	8.512	8.462
1450955	s at	Sort1	AV247637	Mm.157119	3	7.387	7.328	7.434	7.452	7.246	7.644	7.462	7.202	7.599	7.370	7.722	7.431	7.515	7.467	7.416	7.250	7.515	7.477	7.678	7.530	7.485	7.776	7.549	7.493
1450956	at	Scd3	BE133651	Mm.475970	19	5.258	5.388	5.210	5.172	5.184	5.326	5.230	5.457	5.285	5.399	5.563	5.261	5.384	5.322	5.210	5.226	5.498	5.364	5.345	5.545	5.572	5.236	5.537	5.341
1450957	a at	Sqst1	BM232298	Mm.40828	11	12.297	12.054	12.359	12.267	12.442	12.014	11.809	12.075	12.381	12.507	12.363	12.829	12.743	12.204	12.567	12.465	12.186	12.085	12.074	12.307	12.434	12.344	12.539	12.238
1450958	at	Tm4sf1	BM177170	Mm.856	3	12.261	12.575	12.265	12.531	12.316	12.698	12.478	12.555	12.612	12.762	13.076	12.408	12.622	12.741	12.516	12.415	12.233	12.257	12.541	12.389	11.860	11.712	11.434	11.747
1450959	at	D930014E17Rik	BB523448	Mm.334138	7	9.202	10.157	9.259	9.175	10.044	9.381	9.449	9.615	10.474	10.241	9.585	10.186	10.278	9.846	9.605	9.146	9.396	9.480	9.508	9.299	9.447	9.546	9.104	9.115
1450960	at	Iqfbp1	BM935068	Mm.3919	4	5.609	5.622	5.533	5.848	5.621	5.642	5.685	5.895	5.946	5.566	5.593	5.591	5.840	5.876	5.647	5.739	5.910	6.044	5.850	5.656	5.873	5.720	5.863	5.859
1450961	a at	Tceal3	AI837848	Mm.260515	X	6.349	6.324	6.546	6.501	6.323	6.564	6.530	6.405	6.466	6.237	6.550	6.344	6.272	6.346	6.469	6.399	6.469	6.500	6.368	6.545	6.489	6.529	6.412	6.468
1450962	at	Pdha2	AV206348	Mm.4223	3	5.055	4.840	5.018	4.963	4.990	4.942	4.810	5.141	4.790	4.826	4.882	4.927	4.898	4.673	4.793	4.805	5.064	5.056	4.927	5.182	5.063	4.917	4.886	5.155
1450963	at	Hnmpf	AW412441	Mm.422979	6	10.005	10.703	10.126	10.082	10.115	10.314	9.985	9.972	10.159	10.352	10.089	9.990	9.981	10.634	10.291	10.199	9.864	9.925	10.169	10.027	9.895	9.795	10.103	10.361
1450964	a at	Zlgho0	AK006303	Mm.28623	6	7.152	7.151	7.489	7.308	7.134	7.066	7.569	6.610	7.089	7.070	6.839	7.311	6.898	7.042	7.598	7.706	6.798	7.405	7.377	7.124	7.009	7.115	7.670	7.743
1450965	at	Txe21	BF181445	Mm.28315	6	10.041	10.243	10.102	10.090	10.102	10.010	10.029	9.832	10.011	10.230	10.089	9.910	10.230	10.060	10.173	10.166	10.090	10.174	10.086	10.174	9.986	10.019	9.896	9.822
1450966	at	Crot	BB283187	Mm.28197	5	9.296	9.499	9.698	9.610	9.650	9.860	9.695	9.508	9.561	9.662	9.922	9.777	9.676	9.429	9.748	9.576	9.845	9.713	9.721	9.802	9.730	9.953	9.668	9.681
1450967	at	Ptdlad2	AV291250	Mm.386788	4	8.660	10.068	8.873	9.182	9.518	9.189	9.024	9.373	10.107	10.197	9.878	9.849	9.967	9.901	9.321	8.889	9.330	9.095	9.124	9.193	8.969	9.174	8.478	8.262
1450968	at	Uqcrf1	AK003966	Mm.181933	13	14.357	13.967	14.362	14.427	14.176	14.323	14.316	14.151	13.825	13.989	14.177	14.182	14.005	13.992	14.230	14.502	14.280	14.331	14.340	14.462	14.326	14.348	14.362	14.411
1450969	at	Pccb	BB787147	Mm.335385	9	9.434	9.025	9.784	9.546	9.200	9.615	9.335	9.203	8.577	8.959	9.122	9.127	8.982	8.742	9.384	9.705	9.686	9.468	9.502	9.618	9.569	9.335	9.518	9.611
1450970	at	Gor1	AA792094	Mm.19039	19	13.653	13.156	13.833	13.762	13.464	13.633	13.630	13.102	12.905	13.327	13.365	13.180	12.994	13.022	13.561	13.943	13.481	13.649	13.816	13.893	13.488	13.450	13.829	13.976
1450971	at	Gadd45b	AK010420	Mm.1360	10	9.028	8.930	8.633	8.595	9.062	8.962	8.336	8.776	9.456	9.158	9.942	9.282	9.423	9.190	9.366	8.581	9.329	8.889	9.053	9.069	9.025	9.499	9.112	9.091
1450972	at	Lnc040N11Rik	BM935068	Mm.3919	4	5.609	5.622	5.533	5.848	5.621	5.642	5.685	5.895	5.946	5.566	5.593	5.591	5.840	5.876	5.647	5.739	5.910	6.044	5.850	5.656	5.873	5.720	5.863	5.859
1450973	s at	Mapkb1	BM174980	Mm.330501	2	7.599	7.608	7.392	7.675	7.851	7.575	7.608	7.746	7.707	7.852	7.807	8.057	7.871	7.710	7.778	7.594	7.826	7.923	7.752	7.640	7.771	7.794	7.538	7.650
1450974	at	Timp4	BI788452	Mm.255607	6	8.980	8.267	8.771	8.355	8.850	8.580	8.108	9.348	7.360	6.999	8.503	8.381	8.360	7.767	8.932	8.753	8.498	8.850	8.528	8.916	9.666	9.966	9.346	9.397
1450975	at	Cacnq4	BB333636	Mm.103724	11	7.311	7.376	7.372	7.329	7.329	7.434	7.341	7.449	7.223	7.219	7.382	7.271	7.297	7.155	7.365	7.455	7.317	7.269	7.333	7.264	7.264	7.227	7.375	7.421
1450976	at	Ndrp1	AI987929	Mm.30837	15	8.390	8.229	8.322	8.313	8.127	8.066	8.004	8.197	8.391	8.341	8.355	8.451	8.361	8.375	8.550	8.371	7.894	7.979	7.656	7.850	8.241	8.392	8.628	8.553
1450977	s at	Ndrp1	AI987929	Mm.30837	15	8.379	8.020	8.305	8.353	8.197	8.237	8.067	8.094	8.207	8.255	8.246	8.385	8.215	8.180	8.380	8.310	8.091	8.043	8.020	8.136	8.146	8.009	8.347	8.247
1450978	at	Dvl1	BB324672	Mm.34030	4	9.939	10.206	9.74																					

1451027	at	Baia2	AA796998	Mm.197534	11	7.730	7.762	7.566	7.628	7.938	7.555	7.462	8.015	8.016	7.637	7.858	7.732	7.771	7.744	7.686	7.618	7.477	7.547	7.548	7.397	7.541	7.747	7.967	7.549
1451028	at	Baia2	AA796998	Mm.197534	11	7.399	7.066	7.106	7.117	7.081	7.001	7.163	7.465	7.192	6.867	7.350	7.077	7.209	7.160	7.223	7.329	7.345	6.908	7.147	7.276	7.372	7.150	7.248	7.084
1451029	at	Bcl221	BB485989	Mm.6967	14	7.353	7.168	7.087	7.131	7.127	7.018	7.168	7.311	7.393	7.246	7.056	7.184	7.152	6.997	7.024	7.100	7.317	7.274	7.096	7.087	7.315	7.568	7.227	7.006
1451030	at	Akrlc21	AV146041	Mm.270685	14	7.435	7.173	7.101	7.307	7.157	7.113	7.278	7.118	7.235	6.929	7.027	7.002	7.154	7.066	7.025	7.247	7.172	7.003	7.119	7.392	7.197	7.243	7.166	7.379
1451031	at	Sfp4	BB221995	Mm.420085	13	8.485	8.269	8.394	8.410	8.314	8.480	8.477	8.526	8.349	8.303	8.485	8.223	8.276	8.290	8.325	8.511	8.369	8.307	8.490	8.473	8.358	8.379	8.361	8.492
1451032	at	Phi4	AV283456	Mm.46163	10	4.308	4.061	4.061	4.270	4.047	4.059	4.453	3.986	4.287	4.153	4.171	4.074	3.924	4.233	4.377	4.189	4.095	4.405	4.241	4.175	4.318	4.127	4.279	
1451033	a	Trp4	BB271442	Mm.10100	3	6.966	6.593	6.915	6.688	6.693	6.763	6.885	6.824	6.718	6.558	6.929	6.733	6.876	6.755	6.724	6.710	6.956	6.802	6.861	7.057	6.885	6.644	7.087	7.019
1451034	at	Zfp3612	BG094962	Mm.259321	17	7.806	7.742	7.713	7.900	7.652	7.742	7.723	7.806	7.602	7.614	7.758	7.787	7.740	7.686	7.610	7.703	7.845	7.707	7.757	7.965	7.769	7.620	7.796	7.664
1451035	a	Akrla4	BG296124	Mm.30085	4	12.106	12.701	12.150	12.143	12.560	12.105	12.090	12.569	12.929	12.729	12.404	12.802	12.649	12.635	12.400	12.200	12.465	12.254	12.117	12.029	12.129	12.486	11.872	11.843
1451036	at	Spp21	BB095517	Mm.272475	9	8.277	9.333	8.348	8.512	9.062	8.688	8.442	8.420	9.133	9.100	8.566	8.860	9.168	9.045	8.733	8.263	8.607	8.475	8.620	8.338	8.304	8.228	8.170	8.225
1451037	at	Ptpn9	BB224063	Mm.325643	9	8.733	8.976	8.519	8.475	9.011	8.657	8.407	8.812	8.943	9.167	9.100	8.166	8.867	9.134	9.105	8.984	8.594	8.203	8.308	8.491	8.338	8.478	8.543	8.696
1451038	at	Aqln	BB819942	Mm.29262	X	9.114	9.720	9.087	9.074	9.093	9.067	9.200	9.275	9.013	9.392	10.041	9.100	9.010	9.440	9.340	8.942	9.071	9.036	9.011	9.402	9.055	9.102	9.234	9.096
1451039	at	Zfp1m1	AA014267	Mm.390068	14	8.576	9.025	8.440	8.368	8.586	8.630	8.738	8.725	8.853	8.698	8.830	8.717	8.587	9.006	8.695	8.497	8.662	8.762	8.769	8.709	8.803	8.547	8.706	8.593
1451040	at	Dtd1	AI451865	Mm.28109	2	9.110	8.988	9.090	9.156	9.111	9.221	9.215	9.070	8.956	8.692	8.753	9.081	9.121	8.945	9.017	9.075	9.524	9.341	9.215	9.226	9.368	9.301	9.132	8.955
1451041	at	Rock2	BB761866	Mm.276024	12	9.789	9.972	10.097	9.866	9.959	10.039	9.896	9.422	9.849	10.078	10.057	9.603	9.687	10.081	10.134	10.256	9.290	9.511	10.081	9.842	9.431	9.583	10.089	10.386
1451042	a	Mina	AK013451	Mm.289150	16	9.660	10.153	9.858	9.833	9.640	9.985	10.081	9.776	9.811	9.839	9.708	9.634	9.533	10.128	9.572	9.899	9.719	9.841	9.943	9.909	9.702	9.696	9.762	9.871
1451043	at	Nek6	BB528391	Mm.143818	2	6.464	6.432	6.457	6.478	6.292	6.259	6.466	6.347	6.510	6.244	6.369	6.514	6.612	6.379	6.497	6.233	6.262	6.230	6.333	6.562	6.484	6.159	6.640	6.639
1451044	at	Sip1	AK013414	Mm.35353	12	7.154	7.349	7.519	7.319	7.116	7.299	7.326	7.042	6.994	6.955	6.617	7.353	6.807	7.216	7.132	7.300	7.388	7.347	7.376	7.185	7.216	7.047	7.242	7.291
1451045	at	Syt13	BE648447	Mm.33490	2	6.154	5.744	6.061	5.902	5.974	6.015	6.061	6.395	6.022	6.094	6.141	5.858	6.025	6.061	6.022	6.220	6.061	6.139	6.277	6.174	5.987	5.933	6.257	6.046
1451046	at	Zfp1m1	AA014267	Mm.390068	8	8.081	8.759	7.942	8.119	8.571	8.025	7.985	8.798	8.691	8.604	8.349	8.731	8.677	9.100	9.065	7.519	8.684	8.761	8.192	8.173	8.526	8.584	8.067	7.881
1451047	at	Itm2a	B1964443	Mm.193	X	8.839	8.585	8.658	8.899	9.418	9.323	9.124	9.174	9.524	9.347	9.029	9.744	10.339	9.050	10.042	8.710	9.229	8.944	9.125	9.054	9.294	9.242	9.127	9.121
1451048	at	Metap2	BG086961	Mm.289329	10	5.045	5.128	5.026	5.066	5.122	5.373	5.031	4.784	4.891	5.073	5.036	4.960	4.860	5.211	5.187	5.103	4.612	4.879	5.092	5.178	4.908	4.937	5.121	5.334
1451049	at	Bcap31	AV063734	Mm.17	X	11.223	11.559	11.366	11.354	11.504	11.683	11.516	11.278	11.567	11.699	11.461	11.607	11.624	11.756	11.634	11.352	11.172	11.410	11.618	11.561	11.240	11.326	11.309	11.406
1451050	at	Nt5c3	BB037573	Mm.158936	6	9.650	9.462	10.039	9.866	9.569	9.977	9.723	9.420	8.662	9.325	9.034	9.325	9.137	9.224	9.485	10.002	9.573	9.692	9.792	9.796	9.737	9.797	9.816	9.948
1451051	a	Scv1l	AV041274	Mm.276063	19	8.431	8.902	8.400	8.432	8.488	8.413	8.049	8.376	8.587	8.470	8.503	8.722	8.449	8.329	8.326	8.386	8.594	8.686	8.616	8.452	8.489	8.588	8.308	8.404
1451052	at	Pdf	AV4970871	Mm.288641	8	10.908	10.817	11.117	11.183	10.952	11.115	11.039	10.861	9.949	10.260	10.498	10.529	10.403	10.495	10.720	10.966	11.090	11.084	11.015	11.129	11.126	11.223	11.162	10.951
1451053	a	Orn1	BE629112	Mm.4771	5	4.106	4.789	5.146	4.943	4.960	4.812	4.917	4.888	4.989	4.838	4.702	4.966	4.891	4.922	5.029	4.306	5.007	4.893	4.198	5.252	4.802	4.846	5.091	
1451055	at	Scl45a2	BB526223	Mm.138278	15	8.071	7.698	7.869	7.954	7.906	7.745	7.917	7.918	7.997	7.742	7.985	7.769	7.988	7.946	7.668	7.857	7.858	8.078	7.949	7.957	7.793	7.963	7.926	7.812
1451056	at	Psmd47	BB034143	Mm.18347	8	9.491	9.647	9.874	9.515	9.801	9.748	9.686	9.276	9.006	9.412	9.489	9.395	8.969	9.600	9.709	9.957	9.314	9.381	9.649	9.643	9.363	9.971	9.752	9.964
1451057	x	Dnm2	BB762738	Mm.433257	9	9.291	9.592	9.374	9.464	9.394	9.396	9.269	9.215	9.412	9.356	9.383	9.301	9.308	9.443	9.355	9.382	9.233	9.253	9.362	9.320	9.330	9.045	9.324	9.350
1451058	at	Mcts2	AA017653	Mm.440291	2	8.118	8.290	7.852	7.889	8.016	7.771	7.971	8.926	8.375	8.130	8.310	8.147	8.112	8.082	7.865	8.074	8.740	8.597	8.169	8.202	8.443	8.639	7.950	7.809
1451059	at	Zfp447	AK007266	Mm.251599	18	6.127	5.709	6.063	5.999	5.885	5.922	6.070	5.969	5.884	5.855	6.148	5.901	5.878	5.896	5.792	6.222	5.833	5.862	5.984	6.345	6.088	5.925	6.008	6.219
1451060	at	Gpr146	BI103048	Mm.270033	5	6.804	6.813	6.903	6.693	6.625	6.972	6.829	6.474	6.174	6.641	6.830	6.702	6.482	6.786	6.549	6.975	6.719	6.788	7.190	7.198	6.735	6.504	6.865	7.028
1451061	at	11B24Rik	B1700208	Mm.24174	3	6.536	6.173	6.229	6.524	6.253	6.325	6.493	6.707	6.841	6.654	6.309	6.244	6.088	6.245	6.965	6.945	6.918	6.259	6.985	6.912	6.861	6.629	6.861	
1451062	a	Pex5l	AV327933	Mm.151332	3	6.842	6.550	6.990	6.843	6.597	6.910	6.962	6.899	6.728	6.519	6.871	6.533	6.638	6.578	6.839	6.929	6.635	6.726	6.873	7.010	6.764	6.840	6.996	6.569
1451063	at	Sxrbp4	BB771462	Mm.207203	11	7.121	7.431	7.347	7.623	7.167	7.619	7.442	6.676	7.454	7.540	6.894	7.730	7.566	7.452	7.347	7.492	7.292	7.634	7.601	7.393	7.019	7.291	7.021	7.383
1451064	a	Psat1	BC004827	Mm.289936	19	6.919	9.637	6.640	7.033	7.681	7.597	7.459	7.950	8.330	8.110	8.334	7.551	7.516	9.093	7.337	6.734	6.975	7.262	7.139	6.432	6.836	6.995	6.456	6.563
1451065	a	Ddx39	BC020134	Mm.28222	8	9.401	10.367	9.176	9.168	9.358	9.290	9.415	10.095	10.043	9.806	9.710	9.581	9.263	10.016	9.205	9.022	9.424	9.431	9.142	8.826	9.500	9.737	9.079	8.974
1451066	at	Mboat7	BC023417	Mm.397541	7	9.584	10.145	9.602	9.694	9.850	9.776	9.714	9.519	10.113	10.074	9.733	9.857	10.096	10.071	9.837	9.656	9.781	9.942	9.840	9.907	9.782	9.602	9.929	9.694
1451067	at	Sbta	BC003836	Mm.30068	10	10.702	10.705	10.435	10.706	10.684	10.507	10.580	10.775	10.810	10.710	10.719	10.901	10.572	10.579	10.574	10.497	11.000	10.990	10.805	10.836	10.929	10.681	10.701	10.528
1451068	at	Rps25	BC021209	Mm.400129	9	12.419	12.395	12.608	12.395	12.749	12.608	12.593	13.189	12.948	12.866	12.848													

1451116	at	Aacs	BC026817	Mm.439974	5	7.065	6.888	6.953	7.040	6.893	6.869	6.977	6.887	6.739	7.095	6.791	6.856	6.932	6.826	7.078	7.009	6.807	6.895	6.812	7.151	6.972	7.137	7.100		
1451117	a	at	Tom11	BC004710	Mm.167868	11	7.570	7.969	7.735	7.826	7.859	7.678	7.585	8.002	7.955	8.002	7.743	8.103	7.929	7.694	7.775	8.096	7.668	7.707	7.718	7.861	7.982	7.566	7.804	
1451118	a	at	2410018C17Rik	BC016596	Mm.294695	5	9.213	9.262	9.117	9.081	9.364	8.977	9.072	9.390	9.332	9.256	9.349	9.397	9.337	8.963	9.348	9.503	9.543	9.409	9.164	9.155	9.450	9.391	9.027	9.037
1451119	a	at	Fbln1	BC007140	Mm.297992	15	10.107	8.776	10.098	10.440	9.957	10.387	9.940	9.734	8.829	9.498	9.102	9.910	10.016	9.388	10.191	10.114	10.216	10.471	10.368	9.724	10.339	10.308	8.908	10.126
1451120	at	Row1-3	BC024394	Mm.217557	5	8.571	9.928	8.841	8.793	9.274	8.551	8.798	9.320	9.744	8.482	9.471	8.688	9.489	9.724	9.236	8.701	9.176	8.866	8.374	8.535	8.714	9.106	8.535	8.785	
1451121	a	at	Gltcr2	BC017637	Mm.277634	9	9.397	8.825	9.576	9.671	8.445	9.66	9.606	9.238	9.608	9.467	8.445	9.728	9.573	9.526	9.57	9.563	9.728	9.947	9.804	9.782	9.687	9.527	9.478	
1451122	at	Idl1	BC004801	Mm.29847	13	7.860	8.837	8.028	7.681	8.067	8.159	7.913	7.932	8.408	8.457	8.124	7.778	7.726	8.337	7.652	7.924	7.930	8.059	8.167	7.737	7.327	7.605	7.524	7.640	
1451123	at	C330016G10Rik	BC006740	Mm.41760	11	8.532	8.811	8.528	8.599	8.629	8.517	8.481	8.939	8.688	8.631	9.107	8.783	8.730	8.852	8.903	8.665	8.610	8.619	8.595	8.667	8.664	8.685	8.832	8.582	
1451124	at	Sod1	BC002066	Mm.276325	16	13.549	13.238	13.328	13.386	13.220	13.388	13.326	13.142	13.390	13.026	13.132	13.432	13.221	13.064	13.213	13.401	13.459	13.522	13.445	13.461	13.470	13.372	13.351	13.324	
1451125	at	Paip2b	BC017133	Mm.404420	6	10.400	10.089	10.539	10.459	10.272	10.386	10.139	10.123	10.035	10.213	9.945	10.153	10.109	10.044	10.314	10.559	10.297	10.132	10.458	10.420	10.258	10.489	10.255	10.515	
1451126	at	Mat1	BC016260	Mm.289680	15	11.207	10.956	11.055	11.371	11.153	11.361	11.211	11.121	10.855	10.857	10.907	11.208	11.104	10.858	11.148	11.124	11.718	11.540	11.491	11.526	11.108	11.391	11.346	11.215	
1451127	at	AW146242	BC024822	Mm.24642	6	8.445	8.919	8.735	8.467	8.646	8.604	8.549	7.868	8.565	8.848	8.258	8.477	8.383	8.632	8.733	8.753	7.659	8.291	8.579	8.598	7.964	7.851	8.371	8.883	
1451128	s	at	Klf22	BC003427	Mm.286488	7	5.218	7.024	5.040	5.089	5.589	5.257	5.266	6.245	6.393	5.958	6.477	5.307	5.766	6.504	5.731	5.003	5.143	5.134	4.938	5.067	5.16	5.042	5.179	4.752
1451129	at	Calb2	BC017646	Mm.2755	8	7.015	6.706	6.761	6.722	6.546	6.786	6.647	6.583	7.027	6.508	6.814	6.852	6.974	6.975	6.662	6.738	6.946	6.625	6.792	6.673	6.783	6.742	6.795	6.778	
1451130	at	Use1	AF353245	Mm.41890	8	10.800	10.999	11.261	11.075	11.017	11.017	10.890	10.960	10.692	10.905	10.717	11.366	11.192	10.905	11.026	11.122	11.097	11.169	11.014	11.031	10.949	11.095	10.691	10.728	
1451131	at	Ar16ip1	AF133669	Mm.29924	7	9.533	10.217	9.323	9.519	9.574	9.595	9.805	9.781	10.203	9.957	10.094	9.697	9.859	10.174	9.847	9.455	9.352	9.404	9.673	9.616	9.424	9.239	9.688	9.537	
1451132	at	Pxbip1	AV220340	Mm.65906	3	10.925	10.947	11.115	11.161	11.117	11.057	10.933	10.928	10.583	10.874	10.726	11.328	11.010	10.675	11.151	11.097	11.054	11.088	11.127	10.997	10.961	10.914	10.713	10.873	
1451133	s	at	Tmem168	BC007160	Mm.254845	6	8.852	9.259	9.180	8.803	9.093	9.049	9.234	9.084	9.231	9.367	9.014	9.319	9.124	9.159	9.156	9.029	8.973	9.167	9.243	8.998	9.001	9.104	9.064	9.071
1451134	at	Tm2d2	BC026789	Mm.28626	8	11.393	11.978	11.406	11.513	11.739	11.295	11.212	11.393	12.125	11.982	11.483	11.974	12.064	11.717	11.549	11.430	11.432	11.490	11.350	11.271	11.446	11.381	11.285	11.091	
1451135	at	Gtf2b	BC016637	Mm.271756	3	10.690	10.606	10.925	10.645	10.635	10.777	10.712	10.450	10.408	10.565	10.409	10.844	10.606	10.630	10.625	10.888	10.390	10.474	10.606	10.557	10.537	10.459	10.877	10.962	
1451136	a	at	Etf2b2	BC003326	Mm.29041	12	9.549	9.598	9.290	9.432	9.379	9.478	9.403	9.675	9.582	9.729	9.461	9.525	9.739	9.462	9.364	9.290	9.575	9.562	9.821	9.490	9.128	9.522	9.947	
1451137	at	Brd8	BC025644	Mm.45602	18	6.812	7.199	6.628	6.863	6.960	6.845	6.812	6.810	7.114	7.155	6.689	6.889	6.856	6.885	6.961	6.706	6.880	6.788	6.880	6.731	6.861	6.737	6.628	6.635	
1451138	x	at	Mier2	BC005748	Mm.334193	10	9.233	9.177	9.267	9.361	9.229	9.185	9.343	9.203	9.102	9.164	9.074	9.217	9.136	9.148	9.123	9.408	9.220	9.304	9.268	9.344	9.299	9.166	9.314	9.248
1451139	at	Slc39a4	BC023498	Mm.276829	15	6.112	6.059	6.012	6.142	6.003	5.917	5.959	6.041	6.044	5.767	5.944	5.862	6.035	5.870	5.733	5.944	5.987	5.785	5.678	5.998	5.954	6.059	6.057	5.942	
1451140	s	at	Pknox2	BB756794	Mm.33649	5	8.054	9.077	7.936	8.356	8.544	8.313	8.002	8.594	9.167	9.170	8.589	9.062	8.975	8.664	8.658	8.252	8.190	8.455	8.492	8.353	8.194	8.149	8.150	8.249
1451141	at	Metl8	BC004636	Mm.282641	2	7.397	7.689	7.461	7.349	7.598	7.541	7.517	7.313	7.357	7.359	6.964	7.166	7.192	7.601	7.187	7.649	7.561	7.351	7.675	7.542	7.100	7.336	7.348	7.286	
1451142	at	Usp1	BC025778	Mm.275952	5	9.035	9.078	8.204	8.781	8.502	8.345	8.581	8.320	8.848	8.922	8.824	8.968	8.964	8.822	8.850	8.825	8.841	8.850	8.855	8.841	8.811	8.816	8.817	8.817	
1451143	a	at	10006G06Rik	BC023421	Mm.260890	10	8.628	8.709	8.688	8.684	8.598	8.394	8.510	8.584	8.450	8.364	8.777	8.522	8.360	8.325	8.350	8.653	8.680	8.562	8.590	8.580	8.580	8.318	8.290	
1451144	at	Bxd2	BC014832	Mm.28057	15	9.733	10.131	9.863	9.641	9.483	9.824	9.844	9.744	9.414	9.602	10.127	9.415	9.419	10.055	9.619	9.741	9.885	9.794	9.943	9.846	9.740	9.757	9.957	9.833	
1451145	s	at	Tmem111	BC004641	Mm.275989	6	11.036	11.406	11.111	11.232	11.413	11.249	11.087	11.133	11.372	11.324	11.158	11.294	11.395	11.258	11.313	11.120	11.111	11.164	11.180	11.177	11.121	11.239	11.125	11.057
1451146	at	Zfp386	BC004747	Mm.254997	12	7.684	8.259	7.877	8.242	7.865	8.473	8.058	8.708	8.129	8.259	7.489	8.437	8.174	8.179	8.334	7.844	8.284	8.805	8.745	8.576	8.577	9.033	7.794	8.393	
1451147	x	at	Csdc2	BC016109	Mm.22524	15	8.912	8.215	8.825	8.559	8.803	8.329	8.146	8.489	7.830	8.350	8.042	8.329	8.200	7.656	8.142	8.767	8.813	9.265	9.337	8.471	8.718	8.288	8.607	9.004
1451148	at	Pink1	AF316872	Mm.18539	4	12.725	11.608	12.765	12.632	12.084	12.420	12.377	12.125	11.143	11.626	11.881	12.253	11.834	11.542	12.259	12.773	13.026	12.838	12.630	12.657	12.916	13.034	12.793	12.625	
1451149	at	Pdm2	BC008527	Mm.217764	4	11.348	11.467	11.397	11.658	11.543	11.524	11.432	11.401	11.350	11.490	11.283	11.936	11.694	11.350	11.425	11.392	11.683	11.726	11.537	11.667	11.164	11.690	11.627	11.727	
1451150	at	Tpm2	Mm.289737	12	8.592	8.272	8.251	8.165	8.356	8.279	8.172	8.450	8.187	8.268	8.201	8.235	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	8.234	
1451151	s	at	Zfp410	BC021528	Mm.255150	12	9.030	9.290	9.160	9.174	9.242	9.172	9.201	9.145	9.211	9.267	8.956	9.288	9.285	8.972	9.286	9.170	9.158	9.221	9.294	9.089	9.304	9.428	9.190	9.314
1451152	a	at	Ata1b1	BC027319	Mm.4550	1	13.300	13.904	13.395	13.200	13.643	13.487	13.500	13.109	13.840	14.001	13.341	13.597	13.566	13.656	13.509	13.363	12.751	13.312	13.420	13.345	12.900	12.976	13.242	13.295
1451153	a	at	Cyvr1	BC025112	Mm.247752	15	7.757	8.146	7.951	7.978	8.203	7.948	7.791	8.161	8.355	8.182	7.964	8.370	8.113	7.859	8.004	7.834	8.367	8.278	8.247	7.994	8.009	8.004	7.747	7.727
1451154	a	at	Cuabp2	BB644164	Mm.398543	2	10.369	10.673	10.421	10.142	10.204	10.525	10.671	10.339	10.633	10.865	10.488	10.407	10.466	10.449	10.592	10.450	10.337	10.426	10.646	10.359	10.202	10.140	10.437	10.428
1451155	at	Cuabp2	BB644164	Mm.398543	2	5.345	4.809	5.583	5.299	5.145	4.948	5.287	5.111	5.156	4.911	5.201	5.088	5.163	5.246	5.311										

1451205	at	Psmb4	BC008241	Mm.368	3	12.656	12.740	12.651	12.607	12.613	12.649	12.772	12.713	12.656	12.707	12.781	12.713	12.639	12.728	12.628	12.765	12.864	12.773	12.821	12.824	12.801	12.868	12.645	12.619
1451206	s at	Cytlp	BC007144	Mm.273905	2	7.248	7.568	6.982	6.716	7.338	7.519	7.378	7.581	6.686	6.861	6.915	6.239	6.983	7.830	6.669	6.960	5.839	6.675	6.633	6.516	6.091	5.924	6.678	6.956
1451207	at	Cbaral	BC023022	Mm.27199	10	9.291	9.494	9.341	9.447	9.390	9.359	9.293	9.277	9.468	9.372	9.282	9.395	9.428	9.532	9.341	9.361	9.195	9.424	9.324	9.266	9.202	9.243	9.281	9.176
1451208	at	Etf1	BC013717	Mm.329353	18	9.774	10.474	9.868	9.592	9.706	9.723	9.807	9.509	10.236	10.197	10.204	9.594	9.632	10.339	9.719	9.887	9.354	9.450	9.930	9.722	9.513	9.258	9.848	10.052
1451209	at	Lag2	AV028533	Mm.389821	15	10.378	10.687	10.419	10.444	10.496	10.513	10.472	10.580	10.570	10.698	10.467	10.571	10.706	10.992	10.437	10.267	10.290	10.332	10.244	10.256	10.344	10.499	10.370	10.370
1451210	at	Ppnp2c	BC010332	Mm.28873	10	7.623	8.790	7.669	7.556	7.880	7.727	7.725	7.778	8.328	8.328	7.960	8.087	8.310	8.339	7.910	7.381	7.627	7.510	7.582	7.664	7.641	7.728	7.503	7.503
1451211	a at	Ldn	BC025036	Mm.276294	1	9.901	9.558	9.636	9.708	9.749	9.594	9.585	9.489	9.886	9.931	9.610	9.719	9.576	9.494	9.690	9.752	9.763	9.782	9.889	9.787	9.698	9.913	9.606	9.673
1451212	at	Ccdc21	BC021483	Mm.26542	4	9.867	9.508	10.179	9.775	9.321	9.763	9.799	9.363	8.739	9.340	9.552	9.745	9.487	9.362	9.219	10.275	9.402	9.294	9.111	9.551	9.363	9.384	9.770	10.085
1451213	at	Pex11b	BB010355	Mm.20901	3	8.302	8.128	8.257	8.404	8.182	8.243	8.320	8.030	7.912	8.038	8.018	8.196	8.003	8.073	8.006	8.342	8.242	8.369	8.235	8.264	8.288	7.925	8.277	8.255
1451214	at	Kbtd2	BC022962	Mm.57295	6	9.483	9.601	9.721	9.509	9.349	9.721	9.615	9.170	9.281	9.598	9.512	9.400	9.416	9.558	9.566	9.722	9.160	9.243	9.596	9.480	9.097	9.310	9.853	9.878
1451215	at	Prrc1	B1155792	Mm.29889	18	7.514	7.293	7.373	7.401	7.337	7.188	7.305	7.307	7.585	7.351	7.413	7.366	7.344	7.521	7.349	7.335	7.433	7.138	7.290	7.234	7.435	7.371	7.499	7.399
1451216	at	Zfp330	BC008086	Mm.269248	8	9.597	9.938	9.689	9.698	9.638	9.705	9.688	9.710	9.619	9.746	9.760	9.879	9.668	9.707	9.636	9.658	9.669	9.547	9.632	9.626	9.632	9.644	9.814	9.673
1451217	a at	Immp1l	BC008259	Mm.272253	2	12.048	11.856	12.190	12.225	12.013	12.213	12.348	11.727	11.643	11.737	11.835	11.852	11.744	11.651	11.821	12.304	12.304	12.341	12.327	12.354	12.241	12.203	12.379	12.390
1451218	at	Edem1	BG064496	Mm.21596	6	8.907	9.760	8.787	9.081	8.928	9.060	8.874	9.269	9.967	9.636	9.634	9.278	9.451	9.724	9.168	8.920	8.864	8.526	8.793	8.594	9.082	9.170	9.201	9.041
1451219	at	Orm1d1	BC025572	Mm.212846	1	9.534	9.770	9.788	9.428	9.430	9.597	9.754	9.475	9.280	9.406	8.923	9.395	9.370	9.460	9.249	9.803	9.765	9.759	9.665	9.342	9.652	9.955	9.366	9.373
1451220	at	Wdr20a	BC026761	Mm.435546	12	8.117	8.538	8.055	7.981	7.871	8.070	8.097	8.551	8.141	8.238	8.122	8.010	7.940	8.080	7.958	7.967	8.069	8.118	7.846	7.652	8.171	8.421	7.965	7.999
1451221	at	BC018507	BC018507	Mm.139738	13	8.879	8.871	9.087	8.969	8.963	8.935	8.838	8.580	8.956	9.055	8.728	8.769	8.882	8.844	8.757	9.068	8.896	8.858	8.877	8.807	8.793	8.877	9.078	9.026
1451222	at	Btf3l4	AK011367	Mm.791178	4	9.707	9.555	9.766	9.744	9.715	9.839	9.831	9.380	9.216	9.524	9.422	9.508	9.660	9.637	9.803	9.718	9.806	9.865	10.179	10.209	9.699	9.833	9.924	9.961
1451223	a at	Btf3l4	AK011367	Mm.791178	4	10.601	10.798	10.315	10.444	10.553	10.583	10.548	10.578	10.508	10.600	10.460	10.806	10.633	10.373	10.599	10.365	10.779	10.673	10.368	10.542	10.888	10.865	10.587	10.518
1451224	at	Scamp5	BC018613	Mm.102278	9	8.489	8.778	8.594	8.648	8.784	8.696	8.684	8.592	8.770	8.904	8.568	8.838	8.628	8.803	8.576	8.465	8.497	8.677	8.619	8.428	8.551	8.494	8.566	8.443
1451225	at	Ptm11	BC003980	Mm.8681	5	12.533	12.217	12.582	12.269	12.528	12.170	12.192	12.467	12.114	12.262	12.380	12.540	12.411	12.140	12.536	12.630	12.386	12.533	12.633	12.452	12.462	12.482	12.430	12.803
1451226	at	Pex6	BC003424	Mm.299399	17	9.975	9.784	10.037	10.245	9.947	10.120	9.951	9.410	9.594	9.758	9.844	9.976	9.777	9.688	9.950	10.181	10.146	10.331	10.233	10.393	10.177	10.005	10.371	10.338
1451227	a at	Sltc10a3	BC027440	Mm.19931	X	8.281	9.177	8.270	8.164	8.508	8.052	8.118	8.689	8.907	8.668	9.038	8.508	8.849	9.031	8.320	8.166	8.870	8.140	8.122	8.056	8.043	7.999	7.970	7.863
1451228	a at	Sycn	BC019567	Mm.25210	7	7.576	7.332	7.401	7.448	7.464	7.316	7.428	7.237	7.434	7.384	7.395	7.406	7.465	7.650	7.307	7.433	7.431	7.403	7.419	7.493	7.455	7.430	7.462	7.561
1451229	at	Hdac11	BC016208	Mm.206218	6	8.773	8.165	8.948	9.164	8.795	9.094	8.773	8.276	7.769	8.101	7.931	8.767	8.462	7.958	8.697	8.905	9.468	9.552	9.259	9.210	9.205	9.131	8.951	8.951
1451230	a at	Wbp5	BC007478	Mm.512	X	9.802	10.991	9.506	9.608	10.595	9.792	9.793	11.012	11.268	10.750	10.511	10.727	10.955	10.628	10.213	9.270	10.645	10.166	9.831	9.639	10.305	10.608	9.458	9.326
1451231	a at	Lag2	BC022779	Mm.389821	18	10.378	10.687	10.419	10.444	10.496	10.513	10.472	10.580	10.570	10.698	10.467	10.571	10.706	10.992	10.437	10.267	10.290	10.332	10.244	10.256	10.344	10.499	10.370	10.370
1451232	at	Cd151	U99772	Mm.30246	7	10.324	10.729	10.115	10.452	11.116	10.723	10.353	10.848	10.837	10.751	10.476	10.984	10.808	10.623	10.422	10.337	10.767	10.599	10.484	10.281	10.553	10.628	10.356	10.251
1451233	at	Traf2	BC003801	Mm.3399	2	7.651	8.352	7.876	7.894	7.897	7.936	7.925	7.812	8.134	8.143	8.015	7.977	7.795	8.116	7.844	7.890	7.843	7.727	7.876	7.795	7.776	7.600	7.727	7.840
1451234	at	BC021381	BC021381	Mm.35661	13	8.569	8.406	8.484	8.735	8.621	8.335	8.251	8.440	8.615	8.378	8.275	8.702	8.688	8.230	8.536	8.314	8.710	8.653	8.373	8.565	8.643	8.635	8.452	8.518
1451235	at	Cend1	BC023032	Mm.87027	7	7.154	7.098	7.219	6.986	6.936	7.097	7.157	6.978	7.004	6.972	7.049	7.073	6.901	7.074	7.134	7.022	7.049	7.055	7.215	7.109	7.113	6.907	7.202	7.073
1451236	at	Rerq	BC026463	Mm.46233	6	4.685	4.476	4.730	4.600	4.742	4.817	4.731	4.760	4.774	4.834	4.861	4.579	4.694	4.760	4.581	4.819	4.477	4.956	4.780	4.709	4.690	4.481	4.903	4.840
1451237	s at	Rbm7	AF458961	Mm.76911	9	10.448	10.749	10.264	10.376	10.534	10.460	10.441	10.587	10.779	10.819	10.650	10.790	10.901	10.777	10.785	10.305	10.312	10.258	10.320	10.199	10.406	10.503	10.425	10.365
1451238	at	1200003C05Rik	BC002238	Mm.258935	12	10.758	10.858	10.934	10.939	10.831	11.079	10.922	10.728	10.787	10.782	10.614	10.824	10.904	10.716	10.657	10.849	11.118	11.009	11.071	11.068	10.951	10.878	10.827	10.136
1451239	at	Sla2n1	BC026642	Mm.20491	5	8.489	8.995	8.492	8.474	8.587	8.617	8.735	8.958	8.639	8.758	8.195	8.838	8.727	8.533	8.707	8.428	8.675	8.617	8.258	8.307	8.538	8.743	8.622	8.538
1451240	a at	Glo1	BC024663	Mm.261984	17	10.528	10.343	10.722	10.670	10.624	10.804	10.658	10.461	10.188	10.349	10.043	10.518	10.160	10.142	10.428	10.539	10.745	10.555	10.533	10.685	10.627	10.993	10.566	10.950
1451241	at	Lamb1-1	BG970109	Mm.127674	12	7.470	7.851	7.668	7.710	7.688	7.726	7.344	7.484	7.576	7.788	7.841	7.921	7.965	7.945	7.592	7.342	7.662	7.678	7.486	7.477	7.398	7.747	7.587	7.587
1451242	a at	Rpo5c	BC003744	Mm.3294	7	9.755	9.912	9.895	9.781	9.626	9.845	9.800	9.403	9.403	9.650	9.385	9.562	9.133	9.687	9.518	9.859	9.627	9.910	9.747	9.987	9.479	9.455	9.909	9.779
1451243	at	Pnppe	BC019200	Mm.291048	1	8.555	9.195	8.553	8.598	8.654	8.806	8.428	8.755	8.997	9.071	8.785	8.929	8.666	9.207	8.620	8.666	8.615	8.732	8.556	8.330	8.498	8.405	8.466	8.307
1451244	a at	Zfp422	BC018339	Mm.18810	6	9.915	9.804	10.015	9.870	9.892	10.026	9.937	9.863	9.516	9.801	9.548	9.665	9.740	9.845	9.869	10.080	9.857	9.779	10.035	10.096	9.892	9.922	10.113	10

1451294	s	at	Snrpe	BC008262	Mm.249110	1	12.138	12.768	11.965	12.021	12.203	12.141	12.324	12.265	12.632	12.248	12.248	12.266	12.307	12.507	12.290	11.943	12.101	12.187	12.162	12.209	12.204	12.170	11.902	
1451295	a	at	Chd4	BC005710	Mm.333388	6	10.001	10.086	10.064	10.085	10.100	10.026	9.911	9.822	10.076	10.245	10.056	10.192	10.166	10.095	10.134	10.065	10.113	10.258	10.098	10.172	10.000	9.901	10.061	10.034
1451296	x	at	Pabpc4	BC010345	Mm.277091	4	11.610	11.755	11.718	11.601	12.063	11.921	11.606	11.511	11.583	11.623	11.598	11.921	11.722	11.669	11.769	11.875	11.959	11.974	12.015	11.963	11.891	11.716	11.828	12.131
1451297	at		Gulo	BC019856	Mm.26207	14	4.897	4.678	5.036	5.034	5.043	4.966	4.997	4.956	4.780	4.792	4.837	4.916	5.091	4.929	4.947	4.859	4.951	5.048	4.973	5.209	4.987	4.950	5.084	4.930
1451298	at		Plekhm3	BC020620	Mm.273244	11	8.184	8.555	8.452	8.477	8.470	8.364	8.318	9.037	8.624	8.512	8.202	8.820	8.856	8.263	8.687	8.254	9.157	9.164	8.634	8.450	8.933	8.312	8.140	
1451299	at		Prkr	BC006875	Mm.290338	X	9.287	9.631	9.219	9.315	9.280	9.360	9.192	9.340	9.429	9.376	9.330	9.278	9.405	9.447	9.216	9.206	9.336	9.262	9.188	9.134	9.363	9.500	9.252	9.33
1451300	a	at	Chmp2	BC024115	Mm.159637	14	9.475	9.969	9.774	9.799	9.868	9.869	9.817	9.508	9.678	9.740	9.704	10.028	9.703	9.802	9.779	9.845	9.806	9.897	9.914	10.009	9.560	9.658	9.934	9.882
1451301	at		Tmod2	B8633140	Mm.291880	9	5.410	5.367	5.308	5.390	5.412	5.477	5.296	5.451	5.391	5.348	5.437	5.374	5.483	5.361	5.266	5.330	5.449	5.411	5.231	5.480	5.344	5.587	5.330	5.492
1451302	at		1110012L19Rik	BC024574	Mm.293255	X	8.776	8.775	8.792	8.880	8.753	8.816	8.688	8.905	8.666	8.620	8.730	8.928	8.814	8.555	8.746	8.723	9.130	9.119	9.050	8.900	9.064	9.169	8.812	8.530
1451303	at		BC002230	BC025577	Mm.224076	12	8.192	8.638	8.378	8.500	8.387	8.484	8.449	8.374	8.341	8.362	7.949	8.614	8.282	8.468	8.379	8.379	9.115	8.826	8.925	8.718	8.595	8.770	8.048	8.079
1451304	at		Tmem143	BC017618	Mm.163766	7	9.025	8.624	8.975	8.979	8.625	8.885	9.032	8.983	7.963	8.498	8.706	8.671	8.535	8.333	8.648	9.005	9.234	9.286	8.942	9.002	9.185	8.397	9.155	9.042
1451305	at		Chp1	AF331040	Mm.294441	15	8.132	8.541	8.357	8.506	8.248	8.424	8.367	7.930	8.226	8.272	8.014	8.337	8.154	8.172	8.111	8.321	8.151	8.564	8.562	8.505	8.033	8.076	8.062	8.113
1451306	at		Cdc47	BC006933	Mm.281149	12	8.118	7.881	9.255	7.927	7.968	7.906	7.932	7.793	7.769	7.624	7.925	7.676	7.630	8.024	7.951	8.032	7.754	7.785	7.973	8.015	7.741	7.393	8.052	8.022
1451307	at		Mrlp14	BC027021	Mm.379158	17	9.602	9.659	9.544	9.561	9.363	9.445	9.259	9.981	9.336	9.222	9.389	9.363	9.286	9.203	9.252	9.525	10.374	10.106	9.590	9.559	9.977	10.290	9.931	9.159
1451308	at		Elov4	B8829575	Mm.83949	9	5.078	4.796	4.985	4.782	4.860	5.017	4.921	5.063	4.837	4.912	5.076	4.766	5.079	4.821	4.868	4.869	4.752	4.840	4.806	4.829	5.136	4.842	5.005	5.056
1451309	at		Arhaap1	BC006592	Mm.22413	2	8.653	9.420	8.509	8.600	8.989	8.695	8.519	8.998	9.349	9.250	8.959	9.028	9.157	9.231	8.800	8.538	8.660	8.737	8.752	8.322	8.560	8.733	8.540	8.254
1451310	a	at	Ctst	JO2583	Mm.930	13	12.380	12.688	12.869	12.693	12.907	12.544	12.207	12.111	13.040	13.141	12.460	12.969	13.018	12.817	13.012	12.960	12.392	12.464	12.792	12.681	12.389	12.429	12.514	12.641
1451311	a	at	Adipor1	BC014875	Mm.259976	1	11.577	11.369	11.672	11.698	11.559	11.692	11.543	10.929	11.306	11.575	11.314	11.718	11.546	11.394	11.600	11.638	11.087	11.538	11.598	11.588	11.399	11.227	11.628	11.662
1451312	at		Ndufs7	BC013503	Mm.28712	10	13.673	13.392	13.545	13.657	13.491	13.607	13.645	13.768	13.286	13.327	13.539	13.502	13.283	13.203	13.435	13.654	13.995	13.984	13.701	13.842	13.917	13.866	13.624	13.581
1451313	a	at	1110067D22Rik	BC019131	Mm.76694	11	10.082	9.916	10.151	10.057	10.509	9.983	9.901	10.210	10.327	10.564	10.049	10.409	10.283	9.929	10.360	10.141	10.051	9.950	9.851	9.809	9.984	10.327	10.354	10.218
1451314	a	at	Vcam1	L08431	Mm.76649	3	7.371	7.398	7.402	7.465	7.228	7.610	7.376	7.371	7.554	7.338	7.407	7.346	7.377	7.607	7.203	7.349	7.124	7.213	7.322	7.311	7.233	7.287	7.294	7.029
1451315	at		Tmem101	BC011109	Mm.46529	11	7.543	8.090	8.093	8.049	7.851	8.084	8.157	7.516	7.894	8.119	7.458	7.945	7.807	8.093	7.886	7.918	8.154	8.409	8.333	8.290	7.852	7.940	8.040	8.087
1451316	a	at	Picalm	BC011470	Mm.235175	7	13.015	13.094	12.792	12.480	12.771	12.593	12.697	12.856	13.120	13.267	13.289	12.945	13.086	13.082	13.323	12.768	11.779	11.713	11.826	12.052	10.530	12.627	12.800	13.192
1451317	at		Ythd4	B8455932	Mm.23998	4	9.422	8.998	9.467	9.470	9.524	9.472	9.347	9.493	9.757	9.733	10.002	9.707	9.678	9.656	9.564	9.440	9.544	9.346	9.370	9.222	9.379	9.491	9.294	9.773
1451318	a	at	Lyn	M57697	Mm.317331	4	9.762	10.400	9.755	9.753	9.934	9.903	10.000	9.982	10.307	10.241	10.311	9.874	10.176	10.633	10.083	9.708	9.826	9.633	9.938	9.790	9.790	9.683	9.954	9.374
1451319	at		Senp1	BC023129	Mm.384023	13	8.808	8.069	7.830	7.833	7.815	7.949	7.905	7.611	7.798	7.736	7.980	7.817	7.806	8.020	7.787	7.782	7.651	7.814	7.760	7.778	7.627	7.585	7.767	7.912
1451320	at		Arhgap8	Mm.298066	Mm.298066	15	7.093	6.632	7.068	6.915	6.865	6.776	6.816	6.931	6.747	6.804	6.875	6.911	6.828	6.913	6.848	6.871	6.902	6.898	6.910	6.879	6.906	6.833	6.934	6.863
1451321	at		Rb1	BC003333	Mm.280309	2	8.695	8.232	8.576	8.061	8.918	8.979	8.873	9.183	8.987	9.080	8.782	9.136	9.928	8.777	8.852	7.862	7.952	7.812	7.865	7.728	7.716	7.722	7.581	7.485
1451322	at		Cmb1	BC024580	Mm.28108	15	9.544	9.340	10.019	10.657	9.895	10.639	9.985	8.715	8.254	8.915	9.307	9.972	9.436	9.262	9.879	9.978	9.970	10.210	10.485	10.343	10.076	9.905	10.324	10.274
1451323	at		Zfp7	BC011501	Mm.38948	15	4.804	5.352	4.742	4.863	4.891	4.610	4.791	4.974	5.076	5.124	4.980	4.912	5.092	5.034	4.719	4.664	4.977	4.934	4.902	4.743	4.756	4.476	4.120	4.712
1451324	s	at	Fytd1	BC010204	Mm.12831	16	8.782	8.549	9.101	8.831	8.479	8.998	8.881	8.541	8.231	8.666	8.669	8.651	8.423	8.778	8.927	9.245	8.509	8.627	8.857	8.735	8.572	8.660	8.853	9.126
1451325	at		Fytd1	BC010204	Mm.12831	16	6.679	6.724	6.767	6.384	6.681	6.698	6.754	6.852	6.607	6.671	6.620	6.852	6.755	6.614	6.815	6.665	6.780	6.888	6.719	6.774	6.762	6.892	6.586	6.647
1451326	at		Abhd14b	BC019410	Mm.335427	9	8.947	8.915	9.419	9.667	9.237	9.488	9.328	8.861	8.425	8.402	8.844	9.712	9.633	9.568	8.357	9.506	9.007	8.501	8.491	8.496	8.580	8.788	8.409	8.248
1451327	a	at	Tmed1	BC016568	Mm.196618	9	9.810	9.850	9.845	10.131	9.813	9.787	9.871	9.322	9.562	9.668	9.722	9.763	9.611	9.600	9.716	9.912	9.682	9.976	9.922	9.961	9.854	9.554	9.807	9.749
1451328	at		Pcnr1	AF229433	Mm.4756	10	8.994	9.517	8.628	8.949	9.525	9.918	9.905	9.106	9.627	9.523	9.327	9.023	9.983	9.218	9.457	9.204	9.283	9.283	9.283	9.283	9.283	9.283	9.283	9.283
1451329	at		Nudt2	BC019768	Mm.49041	19	8.294	8.698	8.420	8.564	8.537	8.392	8.335	8.660	8.634	8.561	8.585	8.782	8.683	8.469	8.363	8.539	8.872	8.975	8.659	8.605	8.878	8.540	8.253	8.209
1451330	a	at	Inpp5b	AY007563	Mm.296202	4	8.755	9.127	8.896	8.830	8.923	8.904	8.995	8.856	9.124	9.144	8.868	9.024	9.069	9.167	9.040	9.038	9.037	8.990	9.155	9.060	8.820	9.108	8.816	8.727
1451331	at		Pdp1r1b	BC026568	Mm.45372	11	7.715	7.256	7.560	7.478	7.346	7.773	7.535	7.447	7.371	7.343	7.435	7.376	7.363	7.406	7.508	7.375	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457
1451332	at		Zfp521	BC021376	Mm.40325	18	8.323	8.604	8.654	8.805	8.990	8.774	8.889	8.572	9.017	9.005	8.499	9.096	9.247	8.881	8.673	8.823	8.878	9.057	9.015	8.584	8.285	8.555	8.281	8.448
1451333	a	at	Acrb	D17574	Mm.347910	6	7.212	6.714	7.101	7.033	6.642	6.828	6.910	6.955	7.039	6.989	6.748	6.682	6.834	6.808	6.903									

1451383	a	at	Chuk	BC018243	Mm.3996	19	7.655	7.648	7.815	7.685	7.784	7.614	7.689	7.579	7.381	7.826	7.446	7.902	7.645	7.423	7.718	7.719	7.658	7.721	7.800	7.697	7.906	8.137	7.825	7.838	
1451384	at		Jmid5	BC024807	Mm.307239	7	6.968	7.181	7.082	7.198	6.956	7.017	7.133	6.813	6.905	6.786	6.902	6.656	6.721	6.774	7.152	7.078	7.320	7.617	7.147	7.578	7.456	7.309	7.078	7.254	
1451385	at		B210056P07Rik	BC010826	Mm.212991	16	12.381	12.726	12.164	12.148	12.661	12.291	12.430	12.860	12.860	12.921	12.689	13.005	12.810	12.466	12.253	12.611	12.760	12.744	12.455	12.384	12.538	12.756	12.114	11.960	
1451386	at		B1brb	BC027279	Mm.24021	7	8.815	9.223	8.760	9.279	9.296	8.911	8.247	9.266	9.382	9.121	9.251	9.369	9.374	8.785	9.136	8.603	10.010	9.309	9.266	8.749	9.770	9.896	8.371	8.900	
1451387	s	at	Qic2	BC021463	Mm.439149	17	10.255	10.391	9.265	10.320	10.352	10.348	10.283	10.340	10.412	10.295	10.298	10.219	10.140	10.098	10.226	10.611	10.526	10.307	10.361	10.476	10.497	10.200	10.097		
1451388	a	at	Alp11b	BC026741	Mm.239416	3	10.147	10.206	10.071	9.895	9.999	10.188	10.169	10.041	9.901	10.188	10.026	10.190	10.203	9.864	10.231	10.121	9.913	9.810	10.063	10.112	9.919	9.887	10.085	10.152	
1451389	at		Dnaic24	AY028460	Mm.25661	2	4.355	4.596	4.163	4.332	4.397	4.180	4.269	4.697	4.336	4.261	4.186	4.448	4.431	4.321	4.301	4.270	4.749	4.371	4.463	4.161	4.740	4.492	4.448	4.065	
1451390	s	at	Zlfand2b	BC011495	Mm.32646	1	8.130	8.564	7.853	8.017	8.245	7.937	7.827	8.400	8.547	8.341	7.904	8.517	8.323	8.094	7.810	7.787	8.522	8.196	8.019	8.023	8.178	8.464	7.911	7.925	
1451391	at		Z700050L05Rik	BC024916	Mm.174044	7	8.128	8.198	8.167	8.270	7.835	7.990	8.282	7.780	8.056	8.159	8.489	8.156	8.013	8.191	8.203	8.325	8.153	8.190	8.188	8.058	8.172	8.276	8.401	8.360	
1451392	at		Elmdo3	BC016193	Mm.167232	6	7.895	7.496	7.875	7.871	7.860	7.758	7.798	7.947	7.647	7.547	7.424	7.858	7.797	7.438	7.720	7.801	8.460	8.451	8.454	8.222	8.042	8.020	8.101	7.849	7.792
1451393	at		Pex26	BC019144	Mm.34744	6	8.589	8.611	8.628	8.708	8.788	8.761	8.531	8.581	8.482	8.398	8.420	8.798	8.596	8.562	8.451	8.594	8.953	8.861	8.766	8.714	8.692	8.698	8.405	8.373	
1451394	at		Ddp6	AF092507	Mm.42078	5	8.086	7.578	7.864	7.864	7.765	7.724	7.770	8.020	7.783	7.723	7.851	7.672	7.776	7.842	7.663	7.923	7.840	7.715	7.780	7.936	7.959	7.927	7.700	7.832	
1451395	at		Ccd9	BC021492	Mm.389693	5	7.963	7.881	7.813	7.912	7.865	7.720	7.843	7.930	7.952	7.829	7.855	8.042	7.987	7.935	7.817	7.869	7.739	7.699	7.866	7.773	7.809	7.859	7.872	7.832	
1451396	at		Pom12	AF246235	Mm.388249	12	8.645	8.808	8.596	8.645	8.556	8.594	8.695	8.618	8.775	8.687	8.785	8.585	8.654	8.794	8.590	8.605	8.610	8.483	8.634	8.600	8.682	8.276	7.862	8.670	
1451397	at		Giyf12	BC027137	Mm.23065	1	9.180	9.348	9.232	9.250	9.266	9.450	9.101	8.983	8.976	9.242	9.112	9.494	9.282	9.416	9.315	9.395	9.134	9.071	9.336	9.272	8.954	9.297	9.374	9.328	
1451398	at		Cbr4	BC009118	Mm.29059	8	11.750	11.321	11.868	11.801	11.461	11.765	11.698	11.419	10.821	11.108	11.217	11.378	11.147	11.041	11.456	11.865	11.736	11.851	11.856	11.839	11.803	11.710	11.728	11.835	
1451399	at		PnkD	BC008274	Mm.384726	1	9.973	10.209	9.875	10.010	10.051	9.822	9.805	10.619	10.480	10.097	10.063	10.371	10.253	9.781	9.903	9.760	10.813	10.332	9.909	10.001	10.514	10.627	9.715	9.450	
1451400	at		Gemin8	BC023488	Mm.209490	X	5.939	6.439	5.875	5.881	6.106	5.916	6.184	6.012	6.153	6.199	5.934	5.986	6.123	6.088	5.915	5.820	5.891	6.059	5.894	6.230	5.731	5.863	5.715	5.758	
1451401	a	at	Mu11	BC019516	Mm.103413	4	9.772	10.226	9.814	9.685	9.508	9.613	9.779	9.616	9.773	9.762	9.501	9.726	9.246	9.714	9.555	9.719	9.661	9.745	9.517	9.555	9.539	9.637	9.682	9.625	
1451402	at		Ecd	BC013470	Mm.35105	14	10.016	10.163	9.990	9.928	9.869	9.814	9.846	10.272	9.961	9.853	9.988	9.845	9.915	9.788	9.894	10.396	10.141	10.055	9.923	10.068	10.172	9.674	9.875		
1451403	at		Lrrc68	BC024868	Mm.219662	7	8.782	8.492	8.878	8.698	8.600	8.528	8.547	8.887	8.572	8.417	8.632	8.586	8.477	8.390	8.610	8.525	8.854	8.750	8.861	8.639	8.911	8.953	8.957	8.703	
1451404	at		ORF19	W34605	Mm.296545	7	7.393	7.203	7.309	7.426	7.124	7.348	7.325	7.302	6.878	7.149	7.023	7.079	7.054	7.176	7.099	7.273	7.209	7.207	7.361	7.487	7.275	7.250	7.206	7.138	
1451405	at		Pcca	AY046947	Mm.23876	14	11.767	10.981	11.935	11.779	11.336	11.676	11.651	11.350	10.678	10.910	11.051	11.150	10.951	10.758	11.367	11.993	11.796	11.796	11.729	11.825	11.752	11.749	11.675	11.908	
1451406	a	at	PscK5	BC013068	Mm.3401	19	6.421	6.671	6.607	6.644	6.917	7.001	6.462	6.730	6.630	6.923	6.687	7.601	7.161	7.010	6.914	6.528	7.082	6.746	6.939	6.456	6.474	6.757	6.389	6.394	
1451407	at		Iqsf5	BC004806	Mm.119714	16	5.293	5.522	5.446	5.557	5.498	5.530	5.409	5.417	5.478	5.541	5.747	5.401	5.293	5.366	5.436	5.323	5.424	5.510	5.461	5.428	5.537	5.581	5.353	5.308	
1451408	at		Trub2	BG064045	Mm.245739	2	7.616	7.721	7.661	7.531	7.507	7.664	7.605	7.773	7.529	7.550	7.530	7.673	7.355	7.607	7.616	7.628	7.789	7.628	7.641	7.526	7.712	7.596	7.530	7.619	
1451409	at		Z210021J22Rik	BC021463	Mm.439149	17	9.082	9.276	8.963	9.276	9.285	9.348	9.283	9.137	8.954	8.964	9.137	8.954	8.964	9.137	8.954	8.964	9.137	8.954	8.964	9.137	8.954	8.964	9.137	8.954	8.964
1451410	x	at	Crip3	AF367970	Mm.25168	7	6.036	6.130	6.006	6.097	6.077	6.055	6.082	6.231	6.089	6.141	6.202	6.017	6.163	6.138	6.066	6.013	6.135	6.266	6.302	6.091	6.126	6.207			
1451411	at		Gprc5b	BC020004	Mm.103439	7	6.753	7.661	6.867	6.696	6.893	6.930	6.684	7.164	6.836	6.694	6.785	6.535	6.862	7.215	6.687	6.697	6.592	6.130	6.352	6.265	6.115	6.762	6.697	5.831	
1451412	a	at	Ifft20	AY082613	Mm.358671	11	8.779	9.394	8.792	8.948	9.054	8.838	8.720	8.775	9.332	9.124	8.898	9.159	9.091	9.125	8.845	8.705	8.888	9.035	8.945	8.723	8.720	8.856	8.550	8.691	
1451413	at		D13Wsu177e	AK013251	Mm.439993	13	10.329	9.976	10.484	10.276	10.357	10.724	10.486	10.187	10.042	10.369	9.944	10.590	10.490	10.373	10.797	10.384	10.326	10.454	10.747	10.632	10.159	10.310	10.456	10.769	
1451414	at		AK013251	Mm.439993	13	5.440	5.611	5.605	5.664	5.468	5.635	5.564	5.611	5.571	5.584	5.584	5.817	5.584	5.488	5.726	5.581	5.596	5.589	5.562	5.470	5.394	5.528	5.380	5.702	5.647	
1451415	at		Tgm1	BC016562	Mm.25775	8	10.554	9.671	10.854	10.521	10.454	10.776	10.443	10.076	9.496	9.693	10.197	10.340	10.506	10.064	10.067	10.843	10.028	10.143	9.977	10.301	10.320	10.803	11.151	10.852	
1451416	a	at	Tgm1	BC026422	Mm.41964	14	6.468	6.093	6.074	6.183	6.240	6.168	6.135	6.107	6.073	6.294	6.285	6.129	6.182	6.155	6.859	6.093	6.068	5.982	6.074	6.232	6.229	6.094	6.106	6.153	
1451417	at		Spsb4	BC023083	Mm.472860	9	9.666	10.165	9.754	9.572	10.040	9.288	9.937	10.207	10.069	10.490	10.567	10.877	10.192	10.109	10.512	9.788	9.623	9.648	8.855	9.999	9.735	9.501	8.772	10.260	
1451418	a	at	Spsb4	BC023083	Mm.472860	9	9.666	10.165	9.754	9.572	10.040	9.288	9.937	10.207	10.069	10.490	10.567	10.877	10.192	10.109	10.512	9.788	9.623	9.648	8.855	9.999	9.735	9.501	8.772	10.260	
1451419	at		Road7	AB040489	Mm.22109	11	11.144	10.944	11.191	11.023	10.799	11.142	11.285	10.934	10.684	10.919	10.807	10.745	10.582	11.003	10.796	11.247	11.012	10.916	11.052	11.010	11.041	11.111	11.149	11.264	
1451420	at		Road7	BC006914	Mm.27792	16	9.290	9.201	9.234	9.071	9.221	9.202	9.226	9.467	9.140	9.072	9.74	9.368	9.344	9.082	9.124	8.883	9.442	9.440	9.187	9.264	9.324	9.288	9.135	8.999	
1451421	at		Myo18a	AB026497	Mm.341248	11	12.199	12.238	12.069	12.309	12.366	12.091	12.182	12.277	11.999	12.106	12.414	12.345	12.182	12.065	12.115	12.136	12.424	12.373	12.156	12.286	12.374	12.146	12.259	12.189	
1451422	at		Tbvc	AI426164	Mm.33780	7	7.408	7.696	7.358	7.101	7.262	7.515	7.352	7.120	7.467																

1451472	at	Ears2	AK014324	Mm.45171	7	6.445	6.353	6.575	6.329	6.115	6.430	6.389	6.329	6.418	6.380	6.342	6.054	6.329	6.540	6.429	6.413	6.268	6.076	6.382	6.151	5.861	6.132	6.313	6.182
1451473	a at	Crvz1	BC010479	Mm.109823	16	10.269	10.123	10.219	10.281	10.083	10.183	10.197	10.200	9.895	10.181	9.975	10.160	10.164	10.107	10.003	10.181	10.337	10.195	10.110	10.234	10.175	10.309	10.133	10.068
1451474	a at	Parp8	BC022679	Mm.274466	13	6.906	7.270	6.971	7.122	7.439	7.056	6.911	6.991	7.783	7.553	7.018	7.692	7.626	7.161	7.088	6.996	7.009	6.770	6.734	6.594	6.661	6.880	6.767	6.701
1451475	at	Pfknd1	BC019530	Mm.3085	6	9.014	9.927	9.007	9.439	9.467	9.452	9.524	9.582	9.970	10.025	9.987	9.874	9.867	10.030	9.712	9.245	9.386	9.590	9.252	9.648	9.518	9.430	9.640	9.311
1451476	at	Zldh168	BC004693	Mm.326263	16	9.634	9.796	9.452	9.632	9.752	9.444	9.279	9.537	9.704	9.570	9.652	9.552	9.812	9.677	9.463	9.404	9.533	9.380	9.518	9.387	9.318	9.602	9.378	
1451477	at	EG0210853	AV047635	Mm.441622	17	8.470	8.085	7.793	7.982	8.460	8.066	8.693	8.723	8.329	8.319	8.306	8.668	7.796	7.137	8.263	7.836	8.702	8.505	8.422	8.406	8.648	8.669	8.311	8.498
1451478	at	Anopt17	BC023373	Mm.388929	4	7.666	7.457	7.740	7.718	8.120	8.304	7.634	8.254	7.440	7.992	7.761	7.415	8.091	7.401	8.456	7.605	7.483	7.681	7.443	7.461	8.147	7.594	7.442	7.614
1451479	a at	Tmem53	BC019937	Mm.331805	4	9.521	10.021	9.356	9.364	9.814	9.142	9.690	10.568	10.078	9.918	9.908	10.143	9.815	9.430	9.695	9.249	9.997	9.961	9.367	9.603	10.022	10.244	9.226	9.363
1451480	at	E2f4	BC026649	Mm.34554	8	8.291	8.256	8.212	8.359	8.226	8.183	8.286	8.208	8.400	8.140	8.147	8.327	8.163	8.144	8.230	8.158	8.253	8.239	8.163	7.868	8.275	8.198	8.275	8.198
1451481	s at	Osta	BC025912	Mm.98775	16	6.595	6.729	6.721	6.883	6.802	6.812	6.856	7.034	6.828	6.727	6.809	6.868	6.770	6.713	6.648	6.729	6.837	6.933	6.924	6.881	7.111	6.790	6.936	6.820
1451482	at	BC027344	Mm.296864	7	5.512	5.162	5.467	5.453	5.287	5.284	5.482	5.309	5.240	5.236	5.188	5.275	5.184	5.306	5.513	5.363	5.367	5.401	5.363	5.241	5.279	5.540	6.461	5.356	5.407
1451483	s at	1700054N08RIK	BC024705	Mm.157746	8	7.548	7.776	7.146	7.349	7.558	7.413	7.247	7.690	7.715	7.767	7.914	7.332	7.385	7.814	7.607	7.541	7.360	7.329	7.470	7.357	7.403	7.341	7.491	7.275
1451484	a at	Svt16	BC022954	Mm.439844	X	8.324	7.980	8.105	8.222	8.119	8.064	8.273	8.106	8.354	7.957	8.129	8.057	8.199	8.299	8.242	8.241	8.178	8.187	8.190	8.414	8.243	7.843	8.272	8.258
1451485	at	3300001P08RIK	AW536179	Mm.30927	11	9.712	10.023	9.716	9.837	9.988	9.770	9.704	9.893	9.742	9.709	9.383	9.955	9.774	9.544	9.733	9.590	9.929	9.851	9.503	9.197	9.950	10.100	9.613	9.757
1451486	at	Slc46a3	BC006902	Mm.153218	5	8.362	8.041	8.352	8.545	8.228	8.458	8.250	8.103	8.170	8.231	7.902	8.048	7.970	8.099	8.229	8.282	8.269	8.055	7.854	8.127	8.281	8.422	8.211	8.307
1451487	at	Rabepk	BC019800	Mm.158705	2	8.128	8.494	8.143	8.121	8.294	8.104	8.072	8.138	8.110	8.267	7.997	8.238	8.141	8.221	8.054	8.027	8.273	8.374	8.208	8.092	8.347	8.315	8.075	8.105
1451488	at	1110028A07RIK	AB054000	Mm.36758	14	11.533	10.859	11.580	11.485	10.997	11.709	11.635	11.092	9.878	10.255	11.204	10.865	10.286	10.372	11.073	11.652	11.763	11.844	11.752	11.778	11.646	11.650	11.428	11.408
1451489	at	Slc25a35	BC019996	Mm.298622	11	7.456	7.762	7.692	7.687	7.639	7.810	7.812	7.472	7.543	7.707	7.271	7.812	7.590	7.603	7.629	7.732	7.681	7.812	7.790	7.767	7.686	7.740	7.475	7.706
1451490	at	Lynla1d	BC027340	Mm.257116	1	8.789	9.097	8.701	8.683	8.934	8.742	8.735	8.706	9.320	9.113	8.550	9.152	9.166	9.069	8.837	8.733	8.945	8.698	8.796	8.650	8.541	8.550	8.719	8.612
1451491	at	Bcdm3d	BC016225	Mm.32826	15	7.294	7.618	7.114	7.151	7.322	7.079	7.133	7.627	7.536	7.345	7.060	7.636	7.463	7.401	7.240	7.219	8.056	7.641	7.415	7.625	7.444	7.495	7.158	7.269
1451492	at	Slat2	AF287467	Mm.387161	2	7.649	7.110	7.395	7.361	7.284	7.329	7.349	7.509	7.251	7.277	7.555	7.426	7.311	7.310	7.329	7.565	7.281	7.132	7.487	7.369	7.348	7.195	7.352	7.472
1451493	at	Ndfip1	BC026372	Mm.102496	18	10.546	10.944	10.655	10.533	10.735	10.666	10.521	10.521	10.999	11.053	10.767	10.773	10.891	10.819	10.810	10.690	10.486	10.567	10.702	10.638	10.546	10.421	10.585	10.573
1451494	at	Wac	AW556980	Mm.204524	18	8.463	8.416	8.376	8.367	7.990	8.242	8.125	8.638	8.151	8.433	8.284	8.375	8.305	8.293	8.500	8.471	8.386	8.185	8.194	8.393	8.368	8.791	8.588	8.730
1451495	at	Wac	AW556980	Mm.204524	18	10.398	10.290	10.492	10.319	10.327	10.364	10.332	10.107	10.169	10.289	10.321	10.396	10.335	10.281	10.513	10.512	10.192	10.359	10.396	10.394	10.349	10.455	10.607	10.619
1451496	at	Mts1	BC024131	Mm.215481	15	7.466	7.481	7.510	7.415	7.452	7.484	7.509	7.565	7.452	7.258	7.430	7.246	7.335	7.328	7.357	7.563	7.710	7.600	7.669	7.690	7.545	7.627	7.467	7.430
1451497	at	Csmk1a1	BG243172	Mm.26908	18	4.962	4.920	5.009	5.025	4.953	4.948	4.864	4.948	4.732	4.819	4.952	4.923	4.830	5.079	4.979	5.176	4.740	4.757	4.914	5.030	4.965	4.808	5.078	5.016
1451498	at	Lvhb1a	Mm.275228	2	5.935	6.108	6.266	6.233	5.979	6.053	6.090	6.267	6.053	6.289	6.053	6.289	6.183	6.277	6.189	6.289	6.183	6.277	6.189	6.289	6.183	6.277	6.189	6.289	6.183
1451499	at	AF000969	BC024522	Mm.27955	6	9.959	8.859	9.991	9.918	9.914	5.836	9.913	9.905	5.693	5.860	8.862	5.863	5.032	5.882	5.032	5.882	5.032	5.882	5.032	5.882	5.032	5.882	5.032	5.882
1451500	at	Ushbr1	BC026453	Mm.34874	8	9.029	9.007	9.230	9.352	9.137	9.107	9.017	9.176	8.625	8.848	9.091	9.444	9.216	9.373	9.251	9.196	9.384	9.593	9.432	9.630	9.214	9.260	9.065	9.933
1451501	a at	Ghr	BC024375	Mm.3986	15	9.897	9.702	10.123	10.045	9.873	10.245	9.835	9.656	9.554	9.763	9.334	9.964	10.058	9.993	9.949	10.031	10.501	10.283	10.248	10.187	10.234	10.263	10.300	10.117
1451502	at	Talp2g10	AF166097	Mm.4214	16	7.880	7.579	7.863	7.894	7.734	7.767	7.669	7.833	7.621	7.480	7.706	7.627	7.602	7.715	7.737	7.717	7.687	7.729	7.571	7.784	7.716	7.765	7.816	7.839
1451503	at	Nol3	BC027290	Mm.475715	8	8.956	9.209	8.510	8.692	9.190	8.655	8.812	9.699	9.490	9.330	9.041	9.547	9.371	8.859	8.771	8.526	9.832	9.459	8.854	8.699	9.465	9.702	8.510	8.445
1451504	at	Chchd3	BC021941	Mm.21051	6	12.420	12.042	12.145	12.363	12.168	12.090	12.232	12.431	11.702	11.938	12.032	12.182	11.868	11.560	11.928	12.181	12.704	12.630	12.387	12.525	12.664	12.264	12.205	12.342
1451505	at	Chchd5	BE981735	Mm.42601	2	7.120	7.141	6.972	6.996	7.071	7.177	7.041	7.368	7.444	7.074	7.165	7.149	7.284	7.070	7.033	6.995	7.451	7.454	7.212	7.262	7.455	7.258	7.081	6.995
1451506	at	Mez1	BC026823	Mm.25821	15	7.297	6.905	7.314	7.211	7.316	9.079	7.246	8.848	8.955	9.293	9.037	9.026	9.003	9.042	9.212	9.099	9.212	9.099	9.212	9.099	9.212	9.099	9.212	9.099
1451507	at	Me12c	BB280300	Mm.24001	13	7.595	7.732	7.657	7.730	7.942	8.043	8.024	8.024	8.024	7.577	8.020	7.234	8.008	7.923	7.879	7.836	7.777	7.847	7.807	7.963	7.839	7.527	7.780	7.594
1451508	at	Lar2p	BC025528	Mm.46782	3	10.753	10.984	10.654	10.561	10.562	10.587	10.746	10.764	10.871	10.912	10.727	10.658	10.456	10.653	10.485	10.734	10.715	10.687	10.631	10.512	10.672	10.840	10.545	10.795
1451509	at	Taf9	BC019453	Mm.301148	13	10.463	10.756	10.333	10.417	10.321	10.181	10.307	10.591	10.558	10.451	10.423	10.309	10.115	10.415	10.107	10.260	10.440	10.433	10.444	10.257	10.498	10.718	10.175	10.377
1451510	s at	Olah	BC025001	Mm.13808	2	5.365	5.258	5.384	5.327	5.282	5.130	5.395	5.472	5.409	5.583	5.405	5.075	5.275	5.337	5.339	5.302	5.190	5.338	5.293	5.626	5.470	5.186	5.545	5.331
1451511	at	Hibch	BC026437	Mm.222063	1	7.736	7.345	7.936	7.731	7.236	7.465	7.809	7.913	6.677	7.384	7.284	7.459	6.805	6.838	7.543	7.831	7.480	7.512	7.563	7.319	7.901	7.979	7.684	8.171
1451512	s at	Hibch	BC026437	Mm.222063	1																								

1451561	at	Prr12	AW045856	Mm.219137	7	9.384	9.382	9.366	9.642	9.666	9.612	9.548	9.540	9.422	9.367	9.175	9.276	9.564	9.446	9.546	9.574	9.737	9.842	9.733	9.604	9.541	9.473	9.414	9.359	
1451562	at	a2l01	BC006662	Mm.379358	14	7.472	7.518	7.725	7.702	7.626	7.255	7.682	7.548	7.219	7.449	7.494	7.572	7.625	7.362	7.371	7.651	7.659	7.895	7.743	7.514	7.672	7.815	7.468	7.612	
1451563	at	Emr4	AF396935	Mm.210497	17	5.267	5.738	5.438	5.699	4.981	6.111	6.213	5.209	5.135	5.352	5.438	5.251	5.270	6.385	5.156	5.556	5.197	5.412	5.635	5.097	5.294	5.762	5.008	5.199	
1451565	s	Parp14	BC021340	Mm.244406	16	8.814	9.160	9.163	9.207	9.134	9.366	10.617	9.063	9.133	9.181	9.272	9.094	8.859	9.294	9.128	9.237	8.996	9.080	9.032	9.117	9.143	9.123	9.378	9.106	
1451565	s	at	UC022133	Mm.325609	6	7.407	6.802	7.339	8.340	7.174	7.154	7.155	7.096	6.867	6.832	7.245	6.856	7.064	7.045	7.038	7.123	7.066	7.143	7.107	7.217	7.334	6.987	7.252	7.144	
1451566	at	Zp1801	BC006471	Mm.306039	17	7.592	7.832	7.988	7.880	8.285	8.316	8.086	7.993	8.202	8.048	7.081	8.117	8.325	7.870	7.987	7.961	8.551	8.477	8.335	8.340	7.940	7.416	7.423	7.416	
1451567	a	Itf023	BC008167	Mm.261270	1	8.477	9.046	8.830	8.971	8.885	8.887	9.037	9.383	9.007	9.181	8.951	9.339	9.138	9.021	9.044	8.724	9.124	8.848	8.417	8.936	9.115	9.427	8.406	8.664	
1451568	at	A630054L51Rik	BC025603	Mm.260512	14	6.563	6.607	6.731	6.753	6.700	6.656	6.667	6.579	6.805	6.671	6.856	7.021	7.004	6.624	6.876	6.525	6.600	6.744	6.721	6.649	6.720	6.900	6.969	6.718	
1451569	at	Nr2c2	AU066920	Mm.383196	6	8.198	8.314	8.044	8.318	8.207	8.267	8.132	8.068	8.056	8.075	7.901	8.165	8.171	8.028	8.309	8.210	8.081	8.214	8.309	8.340	8.002	8.304	8.231	8.244	
1451570	a	6720467C03Rik	BC020162	Mm.25340	4	9.633	9.987	9.709	9.788	10.018	9.748	9.708	10.113	10.191	10.129	9.813	10.153	10.231	9.814	9.871	9.748	10.098	9.954	9.762	9.699	9.922	10.130	9.508	9.512	
1451571	s	at	EZ30018J23Rik	BC021442	Mm.334241	7	8.288	8.340	8.267	8.282	8.438	8.434	8.368	8.359	8.571	8.361	8.486	8.263	8.419	8.439	8.372	8.244	8.391	8.400	8.400	8.463	8.512	8.274	8.073	8.338
1451572	a	Mf1	BC016597	Mm.475897	1	11.292	11.027	11.369	11.368	11.188	11.335	11.250	11.126	10.887	11.052	10.947	11.301	11.076	10.888	11.213	11.364	11.415	11.376	11.390	11.504	11.368	11.397	11.324	11.435	
1451573	a	at	Str4a	BC011491	Mm.24867	7	9.376	9.496	9.437	9.749	9.426	9.588	9.510	9.944	9.052	9.198	9.026	9.188	9.085	9.399	9.336	9.368	9.335	9.518	9.593	9.424	9.267	9.204	9.542	
1451574	at	Bcl9	BC019641	Mm.226175	3	8.268	8.083	7.989	8.040	8.268	8.034	8.114	8.111	8.056	7.855	8.757	7.961	8.094	7.802	8.119	8.007	8.192	8.293	8.236	8.351	8.330	8.289	8.260	8.404	
1451575	a	at	Mutd3	BC016534	Mm.144699	17	11.393	11.206	11.592	11.852	11.456	11.803	11.539	10.518	10.671	11.037	11.156	11.295	11.093	11.035	11.386	11.625	11.191	11.553	11.679	11.750	11.261	10.904	11.637	
1451576	at	Prkdc	D87521	Mm.71	16	8.030	8.383	8.014	8.143	8.426	8.079	8.052	8.384	8.346	8.202	7.713	8.577	8.552	8.057	8.036	8.016	8.585	8.528	8.342	7.985	8.197	8.348	7.869	7.892	
1451577	at	Zbtb20	AW491109	Mm.136238	16	9.921	9.785	9.704	9.900	9.889	9.806	9.815	9.729	9.600	9.541	9.709	9.815	9.732	9.230	9.623	9.645	9.989	9.851	9.610	9.731	9.927	10.117	10.019	9.880	
1451578	at	Ccdc65	AF454432	Mm.26205	15	5.676	5.406	5.401	5.664	5.749	5.935	5.577	5.761	5.568	5.467	5.606	5.466	5.648	5.539	5.598	5.477	5.642	5.719	5.513	5.543	5.577	5.683	5.505	5.538	
1451579	at	BC024139	BC024139	Mm.205253	15	5.839	5.380	5.807	5.803	5.947	5.551	5.840	5.844	5.609	5.786	6.059	5.748	5.777	5.541	5.676	5.947	5.984	5.815	5.703	6.063	6.008	5.663	5.888	5.932	
1451580	a	at	Ttr	BC024072	Mm.2108	18	7.646	7.617	7.714	7.519	7.681	7.611	7.607	7.884	7.643	7.579	7.603	7.671	7.853	7.606	7.642	7.743	7.737	7.778	7.560	7.681	7.899	7.587	7.554	
1451581	at	Sas2	BB532544	Mm.184055	15	4.586	4.414	4.444	4.581	4.475	4.263	4.423	4.423	4.410	4.429	4.415	4.350	4.429	4.310	4.396	4.514	4.442	4.248	4.366	4.482	4.402	4.482	4.551	4.404	
1451582	at	Tulp1	AF105711	Mm.42102	17	6.969	6.706	7.169	6.815	6.898	6.622	6.775	6.922	6.812	6.759	6.883	6.713	6.880	6.888	6.927	6.920	6.883	6.744	6.875	6.946	6.980	6.891	6.862	6.734	
1451583	a	at	BC025076	Mm.295306	11	7.111	7.623	6.851	7.109	7.122	7.014	7.045	7.188	7.638	7.501	7.220	7.633	7.795	7.453	7.133	7.087	7.134	7.345	7.174	7.203	7.184	7.069	6.964	6.949	
1451584	at	Havcr2	AF450241	Mm.72168	11	5.370	5.816	5.057	5.169	5.427	5.143	5.126	5.126	5.706	5.522	5.116	5.237	5.321	5.743	5.181	5.089	4.985	5.063	4.960	4.993	5.095	5.072	5.238	4.952	
1451585	x	at	Spssb2	BC010305	Mm.261906	6	8.020	8.138	7.911	8.002	8.181	8.053	8.119	8.099	8.045	8.231	8.099	8.197	8.370	8.099	8.063	8.014	7.990	8.023	8.100	8.023	7.860	7.936	7.947	
1451586	at	Test	BC005588	Mm.16769	15	12.052	12.349	12.717	12.339	12.258	12.246	12.096	11.914	12.130	12.121	11.928	12.162	12.164	12.143	12.097	12.160	12.101	12.139	12.061	12.093	12.092	12.040	12.102	12.099	
1451587	a	at	Muc2098	Mm.20204	12	7.935	7.463	7.965	8.340	7.782	7.861	8.034	8.242	8.044	7.844	7.757	7.844	7.757	7.844	7.757	7.844	7.757	7.844	7.757	7.844	7.757	7.844	7.757	7.844	
1451588	at	1810022C23Rik	BC014748	Mm.476009	17	8.560	6.649	6.675	9.926	7.575	5.979	5.960	9.974	5.647	7.659	8.814	5.915	9.557	5.849	5.930	5.930	5.930	5.930	5.930	5.930	5.930	5.930	5.930	5.930	
1451589	at	Gats	BC026208	Mm.45218	5	9.118	8.859	9.405	9.267	9.302	9.163	9.021	8.923	8.940	9.074	8.719	9.072	9.125	8.842	9.255	9.255	9.077	9.171	9.227	9.192	9.024	9.095	8.977	9.054	
1451590	at	Cplx4	BC016082	Mm.192285	18	6.496	5.928	6.333	6.169	6.320	6.088	6.067	6.223	5.958	5.845	6.047	5.873	6.002	5.935	5.930	6.414	6.223	6.098	6.104	6.223	6.098	6.104	6.223	6.104	
1451591	a	at	Efnb1	BC006797	Mm.3374	X	8.750	8.682	8.931	8.894	8.713	8.579	8.670	8.751	8.674	8.583	8.709	8.543	8.610	8.484	8.668	8.998	8.865	8.937	8.734	7.996	8.702	9.024	8.678	
1451592	at	B2p0p	AF364868	Mm.440069	7	8.356	8.187	8.095	8.328	8.242	8.276	8.363	8.423	8.302	8.229	8.379	8.446	8.215	8.344	8.260	8.261	8.358	8.247	8.265	8.164	8.217	8.162	8.240		
1451593	at	H2-K1	BC018402	Mm.422886	17	9.132	8.711	9.054	9.178	8.951	8.882	9.119	8.948	8.889	8.877	8.864	8.893	9.034	9.078	8.925	9.235	9.032	8.999	9.099	9.319	9.203	9.014	9.159	9.156	
1451594	s	at	Serpincb6c	AF425084	Mm.272188	13	4.735	4.643	4.923	4.847	4.818	4.858	4.780	4.778	4.873	4.827	4.677	4.693	4.775	4.691	4.762	4.698	4.827	4.847	4.908	4.830	4.895	4.828	4.887	
1451595	at	Rho2	BC024561	Mm.10545	2	7.534	6.952	7.968	5.051	6.975	4.064	7.594	7.250	5.052	5.110	7.209	4.898	7.096	4.945	5.042	4.912	4.951	4.907	4.912	4.907	4.912	4.907	4.912	4.907	
1451596	a	at	Sphk1	AF068749	Mm.20944	11	7.744	8.212	7.498	7.466	8.077	7.467	7.299	7.742	8.845	8.449	9.971	8.066	8.537	7.851	8.249	7.451	7.173	7.208	7.473	7.409	7.347	7.238	7.949	
1451597	at	Psrss11d	BC020151	Mm.240139	5	4.024	3.780	4.049	3.949	4.014	4.033	3.938	3.811	3.763	3.887	3.870	3.833	3.768	3.882	4.033	3.823	3.880	3.936	4.021	4.083	4.002	3.851	3.950	3.968	
1451598	at	Pax4	AF031150	Mm.8026	6	6.929	6.573	6.640	6.880	6.698	6.503	6.641	6.730	6.644	6.533	6.737	6.631	6.676	6.470	6.610	6.732	6.667	6.998	6.591	6.703	6.820	6.689	6.845	6.698	
1451599	at	Sesn2	AV308638	Mm.23608	4	7.295	7.271	7.202	7.252	7.257	7.022	7.053	7.053	7.195	7.195	7.251	7.194	7.124	7.270	7.121	7.132	7.121	7.128	7.049	7.305	7.140	7.275	7.064		
1451600	s	at	EG13909	BC019147	Mm.347422	8	5.795	5.349	5.570	5.502	5.545	5.753	5.480	5.862	5.455	5.433	5.603	5.642	5.543	5.346	5.613	5.638	5.541	5.603	5.668	5.597	5.515	5.366	5.749	
1451601	a	at	Spsn2	BC025823	Mm.212812	11	8.934	8.922	8.872	8.929	9.057	8.719	8.528	9.181	9.114	9.100	9.447	9.331	9.203	9.035	8.921	8.947</								

1451650	at	Ddo	BC006690	Mm.252862	10	8.686	8.137	8.689	8.836	8.203	8.890	8.791	8.484	8.133	8.562	7.810	8.425	8.509	8.272	8.370	8.841	8.716	8.903	8.753	9.159	8.798	8.739	9.088	8.931
1451651	at	Vsig4	BC025105	Mm.26781	X	8.663	8.803	8.967	8.469	7.890	8.229	8.610	8.667	8.405	8.334	8.492	7.446	7.651	8.840	7.614	8.830	7.417	7.410	8.361	7.728	7.596	7.507	7.367	7.993
1451652	a at	Tmem188	BC018498	Mm.216574	8	10.984	11.049	11.153	10.971	10.896	11.060	11.178	11.114	10.780	11.018	10.749	10.876	10.853	10.960	10.982	11.036	10.943	10.961	10.960	10.839	10.997	11.030	11.137	11.148
1451653	a at	4930430E16RIK	BC026495	Mm.252406	11	7.666	6.813	6.795	6.786	6.780	6.592	6.741	6.874	6.843	6.932	6.639	6.942	6.877	6.941	6.792	6.584	6.765	6.775	6.791	6.670	6.688	6.838	6.502	6.687
1451654	x at	Zfp825	BC012678	Mm.236440	8	6.324	6.936	6.806	6.770	6.763	6.949	6.955	7.163	6.778	6.952	6.522	6.801	6.781	6.783	6.884	7.067	7.024	7.103	7.054	7.178	7.107	6.959	6.583	
1451655	at	Sf08	BC027409	Mm.462462	11	6.599	7.177	6.529	6.584	6.379	6.621	6.648	6.532	6.677	6.495	6.651	6.688	6.495	6.769	6.637	6.335	6.518	6.590	6.302	6.537	6.607	6.489	6.282	6.186
1451656	at	C1mn	BG061260	Mm.244078	12	6.403	6.294	6.533	6.481	6.442	6.396	6.418	6.484	6.176	6.312	6.605	6.404	6.299	6.442	6.512	6.552	6.334	6.372	6.333	6.529	6.590	6.394	6.536	6.604
1451657	at	Enox2	BC025915	Mm.327730	X	5.396	5.714	5.247	5.462	5.480	5.415	5.167	5.433	5.498	5.558	5.233	5.443	5.588	5.501	5.296	5.258	5.086	5.192	5.209	5.202	5.281	5.195	4.547	5.557
1451658	a at	Polr3c	BC026793	Mm.276043	3	6.478	6.865	6.683	6.659	6.511	6.763	6.601	6.274	6.711	6.888	6.465	6.601	6.430	6.831	6.578	6.628	6.417	6.561	6.663	6.774	6.446	6.201	6.429	6.638
1451659	at	Fdd4	AF402613	Mm.256131	16	7.144	6.764	7.098	7.064	6.906	7.369	7.073	7.009	6.947	7.068	6.774	6.899	6.867	7.007	7.073	7.251	7.279	7.127	7.225	7.131	6.882	7.080	7.031	7.080
1451660	a at	Hoxb6	BC016893	Mm.215	11	5.748	5.738	5.571	5.684	5.664	5.458	5.773	5.786	5.591	5.548	5.665	5.643	5.854	5.851	5.561	5.697	5.550	5.401	5.537	5.633	5.742	5.645	7.049	5.826
1451661	at	Akap4	U10341	Mm.1498	X	6.828	6.619	7.044	6.833	6.627	6.848	6.990	6.867	6.457	6.748	7.015	6.777	6.822	6.817	7.060	6.793	6.664	7.060	6.943	7.095	6.724	6.528	6.792	7.285
1451662	x at	Akap4	U10341	Mm.1498	X	6.833	6.867	6.801	6.805	6.759	6.766	6.749	6.821	6.733	6.732	6.980	6.719	6.775	6.820	6.970	7.006	6.816	6.865	6.825	6.940	6.815	6.773	6.556	6.816
1451663	a at	Trim3	AF220019	Mm.29290	7	9.056	9.351	9.025	9.371	9.501	9.136	9.057	9.301	9.451	9.450	9.245	9.460	9.604	9.241	9.408	9.084	9.300	9.248	9.120	9.116	9.346	8.928	9.252	9.184
1451664	x at	Klrf4	AF282448	Mm.333431	6	4.628	4.531	4.671	4.433	4.369	4.418	4.445	4.553	4.541	4.295	4.427	4.580	4.436	4.440	4.603	4.623	4.697	4.465	4.594	4.429	4.368	4.574	4.488	4.520
1451665	a at	Ap4s1	BC001985	Mm.386749	12	9.265	9.012	9.012	9.367	8.996	8.999	8.970	9.470	8.768	8.570	8.893	9.241	8.934	8.616	8.587	9.055	10.000	9.587	9.038	9.034	9.608	9.773	8.987	8.836
1451666	at	Acly	BI456232	Mm.282039	11	9.421	9.813	9.584	9.503	9.831	9.666	9.585	9.673	9.502	9.608	9.656	9.330	9.597	9.831	9.547	9.624	9.253	9.336	9.397	9.529	9.326	9.434	9.560	9.529
1451667	at	AC30043G21RIK	BG060641	Mm.229107	1	7.755	8.152	7.881	7.890	7.984	7.820	7.695	7.914	7.677	7.714	7.427	7.777	7.788	7.833	7.630	7.761	8.076	7.711	7.831	7.777	7.746	7.634	7.701	7.696
1451668	at	AC30043G21RIK	BG060641	Mm.229107	1	9.639	9.615	9.765	9.751	9.643	9.874	9.640	9.544	9.443	9.534	9.331	9.715	9.480	9.603	9.533	9.803	9.727	9.737	9.644	9.669	9.439	9.562	9.682	9.725
1451669	at	Pmr1b	AJ271836	Mm.249695	17	11.868	11.453	11.999	11.762	11.594	11.914	12.177	11.743	11.255	11.688	11.828	11.656	11.420	11.717	11.800	12.051	11.704	11.787	11.870	11.971	11.704	11.780	12.044	12.130
1451670	at	Rab43	BC010248	Mm.37380	6	7.945	7.589	7.928	7.831	7.548	7.654	7.603	7.730	7.722	7.579	7.730	7.576	7.612	7.592	7.635	7.722	7.652	7.495	7.771	7.617	7.763	7.654	7.626	7.831
1451671	at	Gorasp1	AV094567	Mm.104789	9	9.310	9.306	9.276	9.399	9.535	9.256	9.164	9.059	9.166	9.150	9.095	9.376	9.271	9.033	9.332	9.270	9.504	9.598	9.458	9.528	9.610	9.405	9.524	9.210
1451672	at	Grk6	AF040748	Mm.10193	13	8.767	9.230	8.711	8.705	8.838	8.877	8.850	8.621	9.026	9.007	9.954	8.937	8.974	9.135	8.983	8.724	8.676	8.750	8.769	8.838	8.806	8.751	8.748	8.832
1451673	at	CdbA	M12825	Mm.1858	6	5.532	5.400	5.541	5.629	5.681	5.377	5.673	5.726	5.553	5.261	5.516	5.416	5.432	5.421	5.333	5.574	5.756	5.449	5.585	5.970	5.934	5.512	5.444	5.418
1451674	at	Scl12a5	BF468072	Mm.252987	2	8.992	8.247	9.628	8.662	8.137	8.200	8.310	7.837	7.404	7.343	7.716	7.667	7.536	7.561	7.665	9.820	7.453	7.988	8.016	7.834	8.184	5.508	8.181	7.966
1451675	a at	Alas2	M63244	Mm.302724	X	9.161	11.180	10.382	9.593	9.699	9.438	9.430	9.323	10.318	10.513	10.314	9.342	8.951	10.483	9.570	10.355	9.327	10.017	9.522	9.843	9.562	9.306	9.562	9.967
1451676	at	Dpnl1	Mm.209090	Mm.209090	19	11.283	11.121	11.466	11.208	11.285	11.245	11.103	11.006	11.083	11.332	11.023	11.407	11.312	11.293	11.388	11.602	11.476	11.460	11.476	11.415	11.502	11.415	11.502	11.415
1451677	at	Narf	BI452475	Mm.291832	X	7.700	7.882	7.762	7.882	7.643	7.754	7.677	7.660	7.441	7.691	7.723	7.691	7.536	7.691	7.536	7.691	7.536	7.691	7.536	7.691	7.536	7.691	7.536	7.691
1451678	at	Narf	BI452475	Mm.291832	11	10.099	9.607	10.412	10.340	10.037	10.306	10.255	9.781	9.415	9.985	9.706	10.041	9.919	9.950	10.243	10.391	9.748	10.107	10.286	10.475	9.962	10.159	10.491	10.689
1451679	at	6530401D17RIK	BC016270	Mm.476170	X	5.924	5.827	5.886	5.996	6.000	6.259	6.067	6.008	5.982	5.846	6.141	5.882	5.820	5.917	5.827	6.042	5.973	6.019	5.954	6.200	6.075	5.799	5.952	6.269
1451680	at	Srxn1	BC011325	Mm.218639	2	8.703	9.309	8.619	8.648	8.728	8.535	8.678	8.768	8.875	8.740	9.943	9.027	8.764	9.048	8.579	8.620	8.693	8.732	8.532	8.650	8.669	8.422	8.689	8.879
1451681	at	BC089597	BC018263	Mm.214923	10	5.626	5.508	5.596	5.501	5.713	5.722	5.491	5.719	5.619	5.485	5.608	5.431	5.431	5.593	5.436	5.573	5.656	5.566	5.598	5.869	5.592	5.546	5.570	5.781
1451682	at	Zfp142	AF332092	Mm.207298	1	6.678	6.371	6.775	6.795	6.575	6.732	6.647	6.638	6.570	6.399	6.905	6.407	6.622	6.705	6.473	6.680	6.689	6.487	6.848	7.044	6.863	6.685	6.912	6.850
1451683	x at	H2-K1	M24962	Mm.422886	17	8.738	6.656	9.153	9.293	9.989	8.989	10.409	9.264	9.601	9.561	9.301	9.381	9.349	9.534	9.066	9.167	6.895	6.848	8.544	8.339	9.200	8.962	8.852	8.853
1451684	at	Bpnr1b	Mm.29151	Mm.29151	12	6.532	6.798	6.992	6.636	6.435	6.423	6.405	6.325	6.438	6.398	6.555	6.487	6.509	6.532	6.278	6.532	6.278	6.532	6.278	6.532	6.278	6.532	6.278	6.532
1451685	at	Mllb1	AV050217	Mm.23685	11	7.608	7.279	7.263	7.394	7.392	7.392	7.325	7.376	7.310	7.223	7.201	7.532	7.374	7.169	7.372	7.367	7.768	7.549	7.376	7.393	7.454	7.590	7.350	7.188
1451686	x at	Amelex	D31768	Mm.391342	X	6.486	6.375	6.278	6.490	6.320	6.291	6.379	6.422	6.281	6.345	6.424	6.358	6.450	6.426	6.287	6.405	6.440	6.342	6.488	6.475	6.434	6.427	6.359	6.366
1451687	a at	Hnf1b	AI987804	Mm.7226	11	6.626	6.242	6.595	6.530	6.552	6.502	6.795	6.657	6.480	6.398	6.620	6.386	6.672	6.582	6.429	6.571	6.641	6.675	6.734	6.945	6.660	6.628	6.664	6.690
1451688	s at	Cant1	BC020003	Mm.177551	11	7.938	7.873	7.792	7.807	7.718	7.778	7.834	7.861	7.699	7.792	7.754	7.769	7.796	7.725	7.945	7.833	7.808	7.761	7.857	7.764	7.618	7.634	7.718	7.809
1451689	a at	Sox10	BC018551	Mm.276739	15	8.607	8.224	8.542	8.381	8.400	8.428	8.549	8.400	8.345	8.261	8.453	8.407	8.433	8.338	8.334	8.473	8.568	8.638	8.526	8.567	8.398	8.188	8.391	8.257
1451690	a at	Pvrl4	BC024948	Mm.263414	1	5.908	5.616	5.799	5.523	5.703	5.665	5.627	5.582	5.629	5.597	5.759	5.5												

1451739	at	Klf5	BC006646	Mm.30262	14	6.449	6.310	6.437	6.394	6.196	6.499	6.451	6.412	6.540	6.390	6.708	6.328	6.190	6.299	6.392	6.414	6.380	6.347	6.267	6.376	6.298	6.461	6.409	6.402
1451740	at	Paip1	BC019726	Mm.132584	13	7.838	7.925	7.851	7.649	7.597	7.738	7.818	7.643	7.720	7.993	7.832	7.499	7.962	7.983	7.728	7.562	7.073	7.480	7.670	7.823	7.625	7.344	7.815	7.754
1451741	a	at	U18122	Mm.259718	13	8.748	9.454	9.052	8.944	8.821	9.219	9.060	8.812	9.099	9.106	8.971	9.019	8.782	9.349	8.981	9.127	8.902	8.991	9.173	8.946	8.750	8.813	8.846	9.073
1451742	a	at	Uqp2	AF424698	Mm.28877	11	12.803	12.257	12.627	12.723	12.853	12.764	12.851	13.115	12.277	12.664	12.998	12.425	12.432	12.434	12.680	12.667	12.486	12.720	12.939	12.890	12.713	12.709	12.830
1451743	at	D19Wsu162e	BC026399	Mm.328965	19	7.466	7.281	7.400	7.431	7.366	7.311	7.382	7.097	7.204	7.307	7.300	7.271	7.228	7.479	7.386	7.458	7.092	7.372	7.264	7.278	6.989	7.471	7.568	7.420
1451744	at	Pipr1	BC021466	Mm.246127	12	10.791	10.587	11.078	10.918	10.432	10.876	10.913	10.303	9.973	10.333	10.397	10.357	10.121	10.380	10.521	10.929	10.810	10.941	11.023	10.983	10.782	10.657	10.887	11.120
1451745	a	at	Znh1t1	BC026751	Mm.273147	5	10.368	10.681	10.194	10.161	10.471	10.182	10.244	10.917	11.166	10.885	10.495	10.704	10.652	10.319	10.141	10.018	10.898	10.863	10.433	10.330	10.180	10.672	10.131
1451746	a	at	Ata12	AK016474	Mm.9852	18	7.115	7.486	7.312	7.338	7.323	7.197	7.197	7.003	7.219	7.494	7.257	7.487	7.362	7.384	7.271	7.389	7.284	7.126	7.415	7.289	7.016	7.283	7.172
1451747	a	at	Ata12	AK016474	Mm.9852	18	9.791	9.711	9.983	9.963	9.787	9.988	9.846	9.591	9.656	9.793	9.596	9.896	9.699	9.363	9.756	9.966	9.837	9.831	9.893	9.972	9.689	9.922	9.908
1451748	a	at	Setd3	BC019973	Mm.159185	12	11.373	11.632	11.727	11.710	11.628	11.648	11.603	11.270	11.263	11.629	11.493	11.555	11.481	11.652	11.656	11.751	11.111	11.444	11.714	11.719	11.141	11.168	11.648
1451749	at	Itak4	BM220651	Mm.422858	15	6.228	6.791	5.979	6.266	6.145	5.965	6.254	6.286	6.735	6.440	6.122	6.183	6.374	6.141	6.109	6.007	5.876	6.045	6.175	6.042	6.116	6.104	6.308	6.087
1451750	at	Itak4	BM220651	Mm.422858	15	8.764	8.846	8.876	8.822	9.029	8.667	8.804	8.495	9.038	9.030	8.804	8.724	8.705	8.899	8.732	8.679	8.518	8.719	8.561	8.763	8.595	8.576	8.826	8.480
1451751	at	Dtd4l	AF335325	Mm.250841	3	6.771	6.530	6.698	6.752	6.659	6.814	6.698	6.703	7.714	6.809	6.707	6.724	6.854	6.770	6.782	6.746	6.870	6.764	6.902	6.809	6.647	6.749	6.850	
1451752	at	Foxk1	MM24214	5	8.009	7.828	8.141	8.129	7.937	8.194	8.073	8.091	7.872	7.914	8.071	7.753	7.949	7.993	7.908	8.019	8.159	8.123	7.965	8.156	8.199	8.022	8.002	8.022	7.967
1451753	at	P1xn2a	D86949	Mm.2251	1	8.610	8.515	8.323	8.369	8.274	8.191	8.543	8.987	8.100	8.106	9.578	8.288	8.236	8.210	8.681	8.477	8.370	8.389	8.153	8.069	8.651	9.040	8.809	
1451754	a	at	Wdr45	AF229635	Mm.305725	X	8.985	9.610	9.803	9.858	9.824	9.768	9.693	9.658	9.695	9.751	9.512	10.114	9.998	9.413	9.878	9.759	10.245	10.122	9.913	9.940	10.045	10.152	9.862
1451755	a	at	Apobec1	BC003792	Mm.3333	6	8.244	9.543	8.150	8.284	8.560	8.204	8.392	8.450	10.016	9.704	8.619	9.213	9.008	9.743	8.835	8.254	8.193	7.796	8.424	8.148	8.108	8.181	8.112
1451756	at	Fhl1	MM889712	5	10.691	9.812	10.332	10.564	10.222	10.580	10.358	9.884	9.968	10.027	10.341	9.982	10.114	10.119	10.309	10.987	9.888	10.211	10.285	10.226	10.181	10.198	11.168	11.027	11.027
1451757	at	BC003883	MM.463028	NA	5	5.771	5.613	5.549	5.717	5.676	5.628	5.631	5.618	5.548	5.568	5.729	5.540	5.624	5.666	5.862	5.844	5.517	5.496	5.870	5.731	5.760	5.486	5.666	5.694
1451758	at	Lamc3	AV267742	Mm.302362	2	6.831	6.929	6.912	7.029	7.119	6.930	7.046	7.074	7.201	7.093	7.266	7.107	6.966	7.044	6.887	7.070	7.126	7.298	7.128	7.100	7.025	7.109	7.254	7.136
1451759	at	Maso2	BC013893	Mm.378962	4	6.599	6.341	6.465	6.152	6.465	6.525	6.357	6.464	6.631	6.362	6.564	6.962	6.510	6.257	6.476	6.297	6.356	6.562	6.822	6.967	6.620	6.472	6.673	6.487
1451760	s	at	Al317395	BC018406	Mm.55513	10	8.783	8.536	8.777	8.879	8.768	8.727	8.828	8.863	8.306	8.584	8.813	8.694	8.486	8.378	8.654	8.756	8.992	9.149	8.958	9.013	8.869	8.933	8.971
1451761	at	Hoxb4	AV307188	Mm.3546	11	6.469	6.103	6.181	6.279	6.103	6.127	6.206	6.404	6.315	6.169	6.289	6.167	6.243	6.247	6.197	6.230	6.164	6.209	6.014	6.243	6.298	6.233	6.279	6.199
1451762	a	at	Kif11b	AB023656	Mm.402393	4	8.259	8.080	8.047	8.145	7.929	7.897	8.118	8.272	8.089	8.061	8.013	7.866	7.874	7.804	7.815	8.253	8.540	8.346	8.176	8.174	8.309	8.478	8.723
1451763	at	Cnao1	U19171	Mm.436652	5	5.130	5.072	5.013	5.164	4.796	4.935	4.989	4.993	5.036	4.829	5.128	4.719	4.776	4.861	4.957	4.939	5.055	4.884	4.845	5.101	5.071	4.928	4.292	4.944
1451764	at	Marveld3	BC025851	Mm.86833	8	6.166	5.854	5.935	5.863	5.774	5.860	5.877	5.972	6.070	5.692	6.154	5.835	6.148	5.892	5.751	6.048	5.849	5.957	5.773	6.151	5.933	5.625	5.756	5.843
1451765	a	at	Etdp5	Mm.13111	12	9.139	9.131	9.419	9.381	9.368	9.389	9.405	8.816	9.358	9.401	9.358	9.405	8.841	9.308	9.378	9.402	9.308	9.378	9.402	9.308	9.378	9.402	9.308	9.378
1451766	at	Usp1	BC019722	Mm.37362	12	6.939	6.913	6.860	6.947	6.812	7.123	6.959	7.048	7.172	6.994	6.994	6.956	6.851	6.826	6.943	6.825	6.917	6.760	6.771	6.768	6.771	6.768	6.771	6.768
1451767	at	Ncl1	BE370703	Mm.425296	5	7.412	7.866	7.294	7.296	7.384	7.250	7.262	7.234	7.579	7.207	7.556	7.275	7.093	7.581	7.336	7.259	7.293	7.090	7.320	7.375	7.147	7.038	7.297	7.428
1451768	a	at	S1c20a2	AF196476	Mm.323901	8	9.943	10.019	10.134	10.398	10.096	10.513	10.139	9.722	9.823	10.031	9.875	9.859	9.848	10.044	10.226	10.294	10.102	10.127	10.577	10.452	10.086	9.797	10.396
1451769	s	at	Pcdha6	BB265776	Mm.308500	18	4.619	4.455	4.534	4.540	4.558	4.510	4.542	4.665	4.471	4.559	4.579	4.516	4.608	4.665	4.446	4.279	4.694	4.444	4.572	4.404	4.718	4.508	4.702
1451770	s	at	Dhx9	U91922	Mm.20000	1	9.951	10.212	9.909	10.030	9.985	9.970	9.908	9.747	9.732	10.061	9.849	9.854	9.828	10.132	9.977	10.032	9.436	9.547	9.784	9.789	9.574	9.855	9.922
1451771	at	Tpcn1	AF217002	Mm.114054	5	6.606	6.394	6.302	6.360	6.428	6.259	6.359	6.423	6.264	6.330	6.526	6.365	6.440	6.418	6.308	6.303	6.220	6.270	6.393	6.228	6.469	6.469	6.213	6.383
1451772	at	Tpcn1	AF217002	Mm.114054	5	7.573	7.370	7.508	7.711	7.453	7.510	7.638	7.592	7.472	7.370	7.570	7.492	7.572	7.509	7.498	7.488	7.487	7.337	7.546	7.492	7.376	7.412	7.517	7.546
1451773	s	at	Usp1	BM220652	Mm.436652	12	5.231	6.014	4.952	5.171	5.251	5.589	5.327	5.684	5.263	5.542	5.845	5.605	5.993	5.978	5.681	5.324	4.958	5.124	5.642	5.304	5.350	5.122	5.122
1451774	at	OTTMUSG000000	BC016249	Mm.351895	11	6.674	6.263	6.874	6.483	6.392	6.706	6.699	6.449	6.202	6.436	6.623	6.370	6.683	6.505	6.615	6.695	6.461	6.626	6.596	6.559	6.532	6.317	6.699	6.846
1451775	s	at	Il13ra1	SN0963	Mm.24208	X	9.067	9.587	9.094	8.998	9.176	9.388	9.399	9.074	9.209	9.464	9.741	9.208	9.144	9.624	9.211	9.243	8.765	8.569	9.042	9.055	8.900	8.824	8.588
1451776	s	at	Hdx	BC024546	Mm.181852	5	9.502	9.003	9.284	9.688	8.947	9.663	9.581	9.493	7.689	8.174	8.702	9.094	8.255	7.806	9.061	9.366	10.658	10.197	9.729	9.993	10.272	10.575	9.626
1451777	at	Dox60	BC013672	Mm.275233	8	5.140	5.523	5.447	5.826	5.303	5.631	6.595	5.374	5.360	5.322	5.287	5.476	5.556	5.910	5.366	5.309	5.471	5.522	5.477	5.726	5.385	5.481	5.525	5.335
1451778	at	Ctrc3	BC011210	Mm.392175	7	8.880	8.611	8.648	8.866	8.852	8.761	8.552	8.724	8.683	8.747	8.396	9.036	8.884	8.618	8.734	8.861	8.685	8.851	8.614	8.821	8.777	8.645	8.628	8.625
1451779	at	Pvrxod1	BC027061	Mm.391540	6	8.450	8.501	8.534	8.868	8.800	8.467	8.303	8.203	8.326	8.292	8.158	8.222	8.051	8.235	8.422	8.620	8.693	8.						

1451828	a	at	Acs4a	AB033886	MM.469988	X	5.671	6.353	5.786	5.382	5.516	5.747	5.633	5.666	6.536	6.540	5.652	5.984	5.994	6.027	5.669	5.696	5.255	5.644	5.689	5.723	5.296	5.585	5.497	5.674	
1451829	a	at	Nf2	L27105	MM.297109		7.446	7.151	7.260	7.397	7.226	7.154	7.299	7.232	7.239	7.310	7.261	7.148	7.313	7.310	7.265	7.313	7.343	7.338	7.383	7.410	7.293	7.174	7.385	7.311	
1451830	a	at	Snpb2	AF016040	MM.123110		11.264	11.287	11.293	11.398	11.698	11.243	11.171	11.368	11.224	11.449	11.129	12.001	11.760	11.134	11.395	11.373	11.514	11.327	11.153	11.246	11.514	11.573	11.515	11.325	
1451831	at		Ospb6p	BC022908	MM.240435		2.7659	7.434	7.645	7.708	7.517	7.540	7.671	7.614	7.482	7.447	7.723	7.575	7.564	7.548	7.599	7.689	7.717	7.789	7.778	7.734	7.966	7.653	7.763	7.708	
1451832	at		Cnf1	AF016130	MM.269219		4.885	5.222	4.968	5.954	4.781	4.934	5.185	5.119	5.387	5.225	4.992	5.042	4.824	5.158	4.988	4.781	4.933	4.933	4.984	4.984	4.984	4.984	4.984	4.984	
1451833	at		Selb1b	BC007176	MM.181009		8.796	9.105	8.812	8.872	8.980	8.832	8.770	8.840	8.965	8.983	8.812	9.088	9.068	9.004	8.951	8.845	8.914	8.726	8.835	8.734	8.765	8.898	8.858	8.898	
1451834	at		Cacn1b	AY094173	MM.41252		11.735	6.415	6.741	6.692	6.542	6.795	6.828	6.632	6.397	6.544	6.779	6.505	6.525	6.595	6.663	6.735	6.641	6.690	6.655	6.929	6.600	6.689	6.645	6.839	
1451835	at		Sox21	AY069926	MM.475207		14.5964	5.922	6.262	6.131	5.791	5.894	6.130	5.599	5.904	5.760	5.904	5.928	6.175	6.054	5.853	5.743	5.659	5.903	5.876	5.890	6.025	5.858	6.252	6.142	
1451836	at		BC022651	BC022651	MM.361851		7.234	7.051	7.158	7.243	7.171	7.002	7.015	7.121	7.353	7.006	7.112	7.090	7.349	7.364	7.063	6.978	7.038	6.839	7.235	7.259	7.197	6.968	7.241	7.122	
1451837	at		Ap3b2	BC024722	MM.322894		6.281	6.127	6.361	6.307	6.257	6.346	6.283	6.518	6.337	6.234	6.328	5.979	6.354	6.254	6.236	6.352	6.288	6.265	6.213	6.284	6.421	6.357	6.538	6.417	
1451838	a	at	Tc2n	AB062282	MM.275939		12.3919	3.735	3.528	3.744	3.642	3.596	3.647	3.588	3.726	3.636	3.435	3.710	3.782	3.630	3.691	3.695	3.694	3.672	3.696	3.653	3.681	3.730	3.716	3.710	
1451839	a	at	Pde7a	AY007702	MM.355614		3.9012	7.711	8.998	8.386	7.812	8.288	8.399	7.770	6.953	7.872	7.368	7.681	7.418	7.323	8.012	9.086	7.195	6.936	6.900	7.366	8.210	8.639	9.175	9.375	
1451840	at		Kcnp4	BC0261945	MM.160172		5.4850	4.809	4.866	4.824	4.918	4.886	5.049	4.818	4.896	4.778	4.836	4.561	4.904	4.733	4.914	4.996	4.866	4.756	5.238	4.856	5.000	4.660	4.864	4.784	
1451841	a	at	Ncor2	AF113001	MM.278646		5.7331	7.186	7.271	7.297	7.246	7.199	7.370	7.323	7.332	7.231	7.257	7.385	7.309	7.286	7.265	7.169	7.350	7.120	7.274	7.707	7.298	7.234	7.236	7.318	
1451842	a	at	Chnrb2	AF467896	MM.110444		8.6678	6.217	6.480	6.585	6.462	6.311	6.451	6.488	6.361	6.234	6.444	6.357	6.239	6.393	6.376	6.453	6.592	6.266	6.480	6.597	6.604	6.677	6.452	6.473	
1451843	a	at	Gqta1	M26925	MM.281124		2.7647	7.455	7.691	7.507	7.316	7.640	7.321	7.517	7.259	7.489	7.528	7.617	7.347	7.480	7.683	7.592	7.402	7.696	7.700	7.644	7.636	7.714	7.659	7.747	
1451844	a	at	Prlr	M22959	MM.10516		15.5596	5.417	5.434	5.489	5.434	5.322	5.744	5.622	5.592	5.206	5.504	5.452	5.625	5.434	5.551	5.460	5.377	5.474	5.706	5.986	5.569	5.487	5.600	5.554	
1451845	a	at	Pttrh2	BC026947	MM.24868		11.9408	10.061	9.476	9.440	9.497	9.458	9.517	9.624	9.653	9.535	9.540	9.532	9.392	9.754	9.397	9.412	9.888	9.662	9.566	9.396	9.732	9.813	9.416	9.365	
1451846	at		Nebl	BC025863	MM.120298		2.9657	9.358	9.737	9.810	9.902	9.981	9.901	9.472	9.172	9.451	9.393	9.842	9.366	9.255	9.817	9.973	10.038	9.891	9.964	9.794	9.632	9.888	9.891	9.950	
1451847	s	at	Arid4b	BC024724	MM.439784		13.6778	6.853	6.519	6.685	6.676	6.474	6.538	6.816	6.382	6.552	6.419	6.920	6.556	6.332	6.663	6.569	6.776	6.504	6.404	6.241	6.693	6.814	6.494	6.683	
1451848	a	at	Crzr	BC003800	MM.374855		3.8305	8.467	8.542	8.589	8.387	8.585	8.551	8.355	8.505	8.389	8.398	8.429	8.299	8.496	8.425	8.502	8.180	8.384	8.526	8.464	8.308	8.279	8.422	8.349	
1451849	a	at	Lmbn2	D13455	MM.7362		10.5046	5.336	5.057	5.099	5.177	4.943	5.067	5.355	5.066	4.980	5.571	5.074	5.054	5.137	5.098	5.021	5.097	5.078	5.129	4.984	4.929	5.006	5.153	5.225	
1451850	at		Prrr	M22958	MM.10516		15.5599	5.423	5.538	5.752	5.497	5.619	5.608	5.745	5.663	5.489	5.633	5.521	5.611	5.599	5.563	5.709	5.587	5.578	5.599	5.690	5.664	5.577	5.702	5.476	
1451851	a	at	Csn3	BC004601	MM.296303		5.4891	4.774	4.908	4.991	4.762	4.793	5.032	4.809	4.736	4.779	4.920	4.931	4.861	4.854	4.999	5.013	4.653	4.869	4.985	4.992	4.895	4.834	4.989	5.116	
1451852	at		Pctv3	AF067060	MM.376032	Un	4.376	4.188	4.290	4.319	4.271	4.263	4.267	4.261	4.143	3.959	4.243	4.137	4.164	4.058	4.277	4.166	4.430	4.203	4.163	4.311	4.190	4.242	4.061	4.196	
1451853	at		Fktn	AB077384	MM.475710		4.6862	6.672	6.625	6.855	6.645	6.704	6.773	6.696	6.517	6.537	6.426	6.540	6.495	6.394	6.514	6.672	6.761	6.692	6.592	6.678	6.625	6.710	6.773	6.625	
1451854	a	at	Shroom3	AF016130	MM.269219		5.1037	10.705	9.747	9.854	9.707	9.814	9.924	10.070	9.747	9.814	9.924	10.070	9.747	9.814	9.924	10.070	9.747	9.814	9.924	10.070	9.747	9.814	9.924	10.070	9.747
1451855	a	at	BC017640	BC017640	MM.351960		6.8622	5.446	6.448	6.443	6.575	6.407	6.460	6.290	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	6.460	
1451856	at		Glyr72	BC006835	MM.23065		1.8381	7.998	8.266	8.166	8.163	8.398	8.244	8.212	7.958	8.055	8.259	8.154	8.129	7.957	8.162	8.205	8.251	8.346	8.455	8.469	8.062	8.311	8.252	8.361	
1451857	a	at	Notum	BC025832	MM.32839		11.5866	5.767	5.718	5.859	5.850	5.727	5.752	6.112	6.070	5.735	5.932	5.693	5.800	5.927	5.937	5.881	5.798	5.777	5.765	5.859	5.783	5.591	5.797	5.720	
1451858	at		Mrgpr2a	AY042192	MM.425459		7.6838	6.599	6.732	6.844	6.568	6.687	6.700	6.456	6.450	6.359	6.748	6.089	6.530	6.544	6.436	6.640	6.508	6.650	6.462	6.419	6.424	6.375	6.652	6.979	
1451859	at		Krtap6-1	D86420	MM.6973		16.6715	6.361	6.462	6.373	6.358	6.680	6.483	6.342	6.297	6.245	6.649	6.312	6.191	6.363	6.212	6.508	6.356	6.386	6.395	6.429	6.348	6.257	6.369	6.331	
1451860	a	at	Trim30	AF220015	MM.295578		7.8894	8.734	7.795	7.821	7.818	7.793	8.124	8.168	8.240	8.330	8.340	7.964	8.078	8.441	7.762	7.923	7.581	7.366	7.276	7.389	7.788	8.025	8.035	7.853	
1451861	at		Nxn12	BC016199	MM.178243		13.6471	6.198	6.292	6.273	6.289	6.107	6.288	6.251	6.170	6.275	6.285	6.099	6.239	6.113	6.364	6.415	6.308	6.322	6.436	6.333	6.352	6.084	6.405	6.286	
1451862	a	at	Prlr1	AF204156	MM.240313		7.6517	6.493	6.561	7.352	6.525	6.212	7.651	6.382	6.571	7.352	6.339	6.917	7.010	6.947	7.342	7.342	7.342	7.342	7.342	7.342	7.342	7.342	7.342	7.342	
1451863	at		Ucn2r	AF441863	MM.20122		11.7418	7.318	7.403	7.652	7.101	7.484	7.509	7.260	7.250	7.284	7.329	7.220	7.274	7.338	7.313	7.453	7.326	7.268	7.329	7.489	7.186	7.287	7.247	7.315	
1451864	at		Cacn2a	AF361350	MM.357990		7.6822	6.564	6.289	6.635	6.692	6.380	6.591	6.686	6.620	6.584	6.700	6.485	6.721	6.546	6.542	6.623	6.604	6.692	6.618	6.991	6.639	6.652	6.545		
1451865	at		Cxadr	BC004680	MM.66222		16.6553	6.233	6.603	6.645	6.360	6.491	6.546	6.441	6.223	6.133	6.534	6.271	6.326	6.583	6.359	6.534	6.473	6.309	6.587	6.574	6.495	6.367	6.677	6.394	
1451866	a	at	Hof	AF042856	MM.267078		5.5820	6.376	5.978	5.723	5.517	5.857	5.870	5.910	6.218	5.997	5.900	6.270	5.885	6.029	5.756	5.677	5.786	5.671	5.876	5.959	5.783	5.730	5.688	5.802	
1451867	x	at	Arhgap6	AF177664	MM.441820	X	8.577	9.068	8.568	8.474	8.964	8.712	8.789	8.682	8.739	8.700	8.611	8.830	8.793	8.808	8.447	8.529	8.704	8.794	8.776	8.480	8.453	8.359	8.595	8.116	
1451868	at		Kif16	AY011226	MM.328170		16.5508	5.142	5.483	5.397																					

1451917	a	at	DclK1	AF155820	Mm.393242	3	5.544	5.440	5.374	5.435	5.362	5.186	5.374	5.316	5.452	5.230	5.376	5.435	5.404	5.252	5.472	5.303	5.396	5.394	5.500	5.492	5.594	5.289	5.392	5.279	
1451918	a	at	Loh12cr1	BC023059	Mm.41892	6	9.269	9.274	9.391	9.284	9.369	9.449	9.407	9.158	8.972	9.100	8.950	9.239	9.144	9.286	9.145	9.441	9.273	9.370	9.570	9.714	9.616	9.063	9.207	9.340	9.359
1451919	a	at	Mpl	AF360122	Mm.4864	4	8.301	8.077	8.080	8.311	8.174	8.159	8.087	8.278	8.266	8.159	8.222	7.956	8.247	8.274	8.120	8.210	8.153	8.118	8.172	8.232	8.220	8.170	8.228	8.140	
1451920	a	at	Rfc1	M84849	Mm.148877	5	8.167	8.478	8.273	8.419	8.226	8.248	8.222	8.442	8.234	8.171	7.736	8.445	8.247	8.020	8.225	8.213	9.013	8.608	8.520	8.495	8.453	8.781	8.275	8.165	
1451921	a	at	Nfya	AF226705	Mm.390057	8	4.845	4.772	4.657	4.739	4.635	4.689	4.588	4.564	4.727	4.677	4.576	4.570	4.505	4.750	4.728	4.508	4.710	4.587	4.786	4.786	4.680	4.599	4.748	4.668	
1451922	a	at	Lman1l	BC020188	Mm.295630	9	6.924	7.087	6.599	6.566	6.934	6.705	6.613	7.443	7.389	7.218	7.340	7.066	6.929	7.033	6.723	6.433	6.749	6.583	6.845	6.733	6.635	6.441	6.485	6.651	
1451923	a	at	Rftn2	BC026871	Mm.292050	1	5.495	5.517	5.552	5.587	5.544	5.515	5.582	5.594	5.405	5.707	5.561	5.477	5.565	5.573	5.614	5.555	5.473	5.583	5.537	5.601	5.508	5.322	5.544	5.470	
1451924	a	at	Edn1	D43775	Mm.14543	13	8.205	8.066	8.210	7.919	8.038	7.890	8.189	7.740	8.447	8.250	8.637	8.374	8.259	7.753	8.171	8.143	8.059	7.474	7.695	7.788	8.134	7.850	7.661	7.786	
1451925	a	at	Ema	AF016631	Mm.328086	X	6.816	6.167	6.575	6.503	6.338	6.466	6.540	6.396	6.479	6.257	6.441	6.125	6.229	6.418	6.340	6.425	6.437	6.398	6.693	6.533	6.485	6.387	6.594	6.577	
1451926	a	at	Mrapa4	AY042194	Mm.207065	7	5.308	5.123	5.238	5.230	5.226	5.158	5.217	5.167	5.233	5.158	5.014	4.967	5.231	5.250	5.197	5.158	5.145	4.995	5.202	5.224	5.346	5.159	5.143	5.247	
1451927	a	at	Mapk14	AF128892	Mm.311337	17	4.353	4.783	4.495	4.558	4.730	4.575	4.522	4.283	4.356	4.437	4.467	4.554	4.266	4.388	4.333	4.458	4.454	4.566	4.628	4.559	4.480	4.533	4.452	4.639	
1451928	a	at	Rad18	BC011120	Mm.103812	6	5.525	6.393	5.085	5.663	5.722	5.662	5.732	5.977	6.013	5.841	6.023	5.840	6.049	6.255	5.739	5.511	5.492	5.790	5.544	5.570	5.755	5.554	5.600	5.567	
1451929	a	at	Vrk2	BC013520	Mm.285351	11	5.399	5.546	5.431	5.285	5.406	5.365	5.423	5.169	5.519	5.389	5.183	5.492	5.319	5.637	5.255	5.559	5.418	5.319	5.685	5.222	5.232	5.352	5.317	5.281	
1451930	a	at	NA	BC016608	NA	NA	8.286	8.099	8.092	8.289	8.226	8.154	8.062	8.147	8.361	8.410	8.242	8.066	8.269	8.026	8.416	8.082	8.330	8.253	8.118	8.285	8.252	8.340	8.256	8.477	
1451931	x	at	H2-L	M69068	Mm.439675	17	10.651	11.380	11.070	11.118	10.906	10.971	12.229	11.146	11.395	11.446	11.292	11.152	11.339	11.525	11.053	11.076	10.629	10.652	10.721	10.538	11.158	10.918	10.789	10.677	
1451932	a	at	Adamts14	BC016215	Mm.475756	3	10.576	10.129	10.960	11.076	11.038	11.060	10.746	10.643	10.429	10.585	10.424	10.738	10.484	10.389	10.835	10.943	11.008	10.879	10.999	11.002	10.943	11.194	11.155	11.075	
1451933	a	at	Cts7	AY014779	Mm.3692	13	4.587	4.353	4.398	4.462	4.206	4.302	4.489	4.445	4.392	4.182	4.456	4.436	4.396	4.331	4.419	4.509	4.441	4.359	4.485	4.569	4.464	4.514	4.342	4.729	
1451934	a	at	H2-D1	M69069	Mm.422886	17	4.960	4.841	4.978	5.113	5.122	5.070	5.055	4.983	5.138	5.032	4.943	4.917	4.917	5.210	4.995	5.190	4.944	5.163	5.032	4.909	5.170	5.049	4.998	5.788	
1451935	a	at	Spint2	AF099020	Mm.295230	7	10.110	10.028	10.163	9.995	10.176	10.279	10.140	9.651	10.023	9.963	10.136	10.112	10.089	9.934	10.129	10.218	10.120	10.120	10.250	10.262	10.276	10.060	9.851	10.253	10.132
1451936	a	at	Txnrd2	BC013688	Mm.390906	16	8.478	8.458	8.495	8.641	8.422	8.557	8.595	7.868	7.943	8.314	8.357	8.117	8.072	8.366	8.420	8.736	7.990	8.469	8.756	8.789	8.311	7.779	8.556	8.970	
1451937	a	at	Gira4	AF462147	Mm.215168	X	6.467	6.074	6.348	6.430	6.263	6.334	6.254	6.336	6.366	6.208	6.244	6.295	6.265	6.311	6.445	6.355	6.357	6.305	6.284	6.539	6.369	6.168	6.444	6.840	
1451938	a	at	Sntb1	BC003748	Mm.309425	15	6.185	5.971	6.204	6.221	6.190	6.148	5.989	6.351	6.035	5.963	6.233	6.148	6.082	6.043	6.193	6.256	6.233	6.117	6.233	6.410	6.393	5.990	6.117	6.162	
1451939	a	at	Srpx	AB028050	Mm.1927	X	7.671	7.283	7.715	8.150	8.294	8.120	7.768	7.605	8.172	8.362	7.768	7.757	7.883	8.142	7.722	7.794	6.783	7.558	8.424	7.146	6.917	6.944	7.059	7.384	
1451940	x	at	Trdn	AF223415	Mm.338508	10	9.300	8.621	8.935	9.061	9.077	8.786	9.624	8.321	8.543	8.362	9.325	8.674	8.024	8.864	8.604	9.900	9.356	8.698	8.723	9.881	10.337	9.028	9.000		
1451941	a	at	Fcar2b	M14216	Mm.425062	1	8.293	9.019	8.081	8.259	8.870	8.362	8.023	8.056	9.583	9.079	8.867	8.462	8.670	9.210	8.151	7.950	7.901	7.263	7.493	6.947	8.007	8.084	7.362	7.540	
1451942	x	at	Ra120	AF288379	Mm.333431	6	4.139	4.179	4.292	4.218	4.242	4.095	4.172	4.245	4.622	4.372	4.189	4.220	4.314	4.302	4.257	4.168	4.048	4.223	4.184	4.128	4.125	4.167	4.162	4.249	
1451943	a	at	Ppm1a	AF193473	Mm.261655	12	9.320	9.206	9.593	9.556	9.377	9.556	9.479	9.223	9.175	9.203	9.175	9.203	9.175	9.203	9.175	9.203	9.175	9.203	9.175	9.203	9.175	9.203	9.175	9.203	
1451944	a	at	Tnfrsf11	AB032771	Mm.749221	14	6.035	6.031	5.961	6.063	5.927	5.963	5.927	6.031	5.939	5.939	6.004	6.062	6.161	6.172	6.148	6.062	6.161	6.172	6.148	6.062	6.161	6.172	6.148	6.160	
1451945	a	at	NA	M93663	NA	NA	4.421	4.276	4.321	4.287	4.253	4.234	4.381	4.509	4.176	4.027	4.214	4.101	4.216	4.254	4.069	4.353	4.316	4.175	4.342	4.208	4.338	4.387	4.259	4.389	
1451946	a	at	Cabvr	AF359384	Mm.179740	18	4.333	4.257	4.251	4.351	4.206	4.369	4.276	4.312	4.276	4.075	4.331	4.286	4.176	4.240	4.417	4.343	4.289	4.301	4.308	4.529	4.383	4.035	4.047	4.256	
1451947	at		Igh-V7183	U62527	Mm.342177	12	4.781	4.567	5.267	4.859	4.780	4.848	4.908	4.659	4.758	4.819	4.496	4.543	4.480	4.723	5.016	5.029	4.811	4.891	4.944	5.215	4.829	4.788	5.023	5.211	
1451948	at		LOC100046973	U48716	NA	6	4.027	4.063	4.006	4.008	4.010	4.013	4.125	3.936	3.990	3.855	4.118	3.936	4.061	4.060	3.822	4.114	4.081	4.239	4.404	4.023	4.063	4.166	3.992	4.108	
1451949	at		Iqh	S69212	Mm.342177	12	5.596	5.443	5.836	5.673	5.616	5.610	5.752	5.773	5.511	5.564	5.871	5.765	5.521	5.629	5.751	5.631	5.705	5.677	5.830	5.994	5.691	5.785	5.791	6.055	
1451950	a	at	Cd80	D16220	Mm.499474	16	6.278	6.125	6.345	6.364	6.577	6.450	6.708	6.294	6.329	6.165	6.712	6.223	6.499	6.385	6.602	6.536	6.400	6.406	6.543	6.641	6.314	6.323	6.424	6.593	
1451951	a	at	Cd80-4-111	AF023417	Mm.342177	6	5.495	5.857	5.573	5.849	5.022	5.516	5.593	5.266	5.672	5.375	5.937	5.207	5.654	5.529	5.504	5.330	5.392	5.530	5.350	5.738	5.638	5.538	5.638	5.992	
1451952	a	at	Prx2	AF182065	Mm.87365	6	4.797	4.482	5.025	4.835	4.842	5.047	4.809	4.792	4.518	4.752	4.791	4.505	4.719	4.641	4.717	4.806	4.870	4.698	4.827	4.863	4.881	4.881	4.770	5.020	
1451953	a	at	Smr2	U82380	Mm.1397	5	5.710	5.507	5.652	5.526	5.485	5.608	5.724	5.578	5.409	5.553	5.788	5.475	5.412	5.532	5.652	5.912	5.623	5.839	5.582	5.994	5.859	5.542	5.774	5.826	
1451954	a	at	NA	L17305	NA	NA	4.769	4.363	4.289	4.348	4.472	4.297	4.365	4.371	4.209	4.176	4.284	4.348	4.553	4.348	4.170	4.555	4.322	4.207	4.432	4.355	4.305	4.504	4.274	4.503	
1451955	a	at	Cacna2d2	AF247140	Mm.273084	9	4.707	4.439	4.613	4.559	4.459	4.486	4.514	4.669	4.379	4.547	4.416	4.588	4.437	4.529	4.494	4.532	4.432	4.572	4.539	4.552	4.583	4.483	4.624	4.639	
1451956	a	at	Oprs1	AF226605	Mm.425181	4	6.447	7.031	6.559	6.540	6.545	6.723	6.461	6.101	6.727	6.270	6.476	6.312	6.347	7.059	6.544	6.604	6.064	6.524	6.622	6.565	6.099	5.945	6.417	6.401	
1451957	a	at	H1110	AY0718																											

1452006	x	at	Zbtb8os	BB417508	Mm.36575		4	4.494	4.678	4.622	4.585	4.606	4.687	4.597	4.558	4.593	4.636	4.655	4.548	4.514	4.514	4.804	4.636	4.513	4.597	4.569	4.626	4.400	4.698	4.622	
1452007	at	Vamp7		BC003764	Mm.1517	X		7.378	8.128	7.830	7.608	7.767	7.928	7.793	7.342	7.827	8.247	7.908	7.708	7.705	7.860	7.630	7.796	7.031	7.234	7.463	7.464	7.305	7.215	7.657	7.765
1452008	at	Ttcr39b		AK018685	Mm.5540		4	7.794	8.161	8.092	8.032	7.966	8.311	8.174	7.977	8.250	8.244	7.799	8.059	8.187	7.989	7.939	8.060	8.116	8.155	8.079	8.014	7.634	7.909	8.141	7.972
1452009	at	Ttcr39b		AK018685	Mm.5540		4	6.309	6.793	6.394	6.660	6.847	6.466	6.407	6.214	6.840	6.821	6.583	6.603	6.908	6.866	6.699	6.537	6.480	6.557	6.499	6.487	6.260	6.291	6.507	6.472
1452010	at	Chnra3		AF472598	Mm.63569		9	7.315	7.014	7.278	7.365	7.077	7.218	7.280	7.261	7.089	7.024	7.387	7.019	7.146	7.345	7.225	7.111	7.351	7.265	7.263	7.356	7.257	7.064	7.274	7.313
1452011	at	Ux2015		AA203925	Mm.387202		1	8.538	9.146	8.346	8.309	8.578	8.718	8.489	8.673	8.489	8.657	8.660	8.332	8.198	8.134	8.832	8.381	8.418	7.989	8.031	8.457	7.886	8.243	7.955	8.244
1452012	at	Exoc3		BC024423	Mm.289086		19	8.876	9.531	8.904	9.110	9.207	9.073	8.985	9.508	9.304	9.035	9.308	9.341	9.238	9.258	9.045	8.914	4.993	9.284	9.068	9.019	9.257	9.468	9.303	8.903
1452013	at	Atp10a		AF156549	Mm.135129		7	4.475	4.939	4.456	4.473	4.399	4.585	4.436	4.446	4.719	4.781	4.529	4.500	4.544	4.775	4.768	4.555	4.436	4.380	4.228	4.257	4.450	4.403	4.460	4.640
1452014	a	lqf1		AF440694	Mm.268521		10	8.072	9.294	8.049	8.419	9.067	8.549	8.128	8.799	10.262	9.719	8.665	9.259	9.365	9.550	8.695	8.055	7.987	8.280	8.393	7.794	7.884	8.199	7.475	7.798
1452015	at	Glx30416G13Rik		AV326978	Mm.41523		4	7.496	7.131	7.360	7.329	7.179	7.294	7.438	8.658	7.172	7.159	7.194	6.905	6.999	7.289	7.022	7.425	7.051	7.410	7.437	7.385	7.306	6.963	7.189	7.505
1452016	at	Alno34p		BC026209	Mm.19844		5	10.384	11.842	10.428	10.563	10.498	10.723	10.731	10.237	11.780	11.338	10.956	10.409	10.463	12.076	10.477	10.426	9.487	9.686	10.241	9.618	9.975	9.904	10.373	10.353
1452017	at	Sox15		AF182945	Mm.374499		11	5.972	6.629	5.810	5.883	5.811	5.725	5.713	5.934	6.608	5.552	5.666	5.726	5.745	5.713	5.701	5.791	5.912	5.802	5.923	5.999	5.802	5.918	5.795	5.986
1452018	at	Nkx2-6		AF045150	Mm.390691		14	8.434	8.288	8.253	8.589	8.396	8.372	8.468	8.584	8.381	8.187	8.405	8.241	8.467	8.388	8.292	8.428	8.584	8.508	8.379	8.508	8.856	8.474	8.409	8.464
1452019	at	Cyvr1		AF442733	Mm.213203		16	6.534	6.318	6.708	6.470	6.326	6.572	6.475	6.646	6.379	6.180	6.063	6.475	6.155	6.284	6.279	6.434	6.474	6.466	6.651	6.581	6.437	6.574	6.294	6.465
1452020	a	Siv1a		AF033112	Mm.289812		12	11.135	11.467	10.954	11.228	11.140	11.265	11.344	11.178	11.270	10.967	10.933	11.063	11.022	11.182	10.840	11.025	11.181	11.684	11.356	11.464	11.669	11.637	11.179	10.894
1452021	a	Hes6		AF247040	Mm.280029		1	7.508	7.172	7.394	7.509	7.520	7.381	7.362	7.171	7.359	7.293	6.998	7.461	7.569	7.132	7.286	7.361	7.750	7.465	7.555	7.404	7.655	7.374	7.359	7.502
1452022	at	Baal		AF371320	Mm.233837		15	3.769	3.763	3.758	3.889	3.858	3.858	3.667	3.927	4.107	3.965	3.841	3.918	4.034	3.897	3.893	3.678	3.770	3.646	3.810	3.759	3.830	3.696	3.790	3.749
1452023	at	Ash16		AF403044	Mm.216432		11	7.255	7.063	7.160	7.296	7.209	7.097	7.341	7.270	7.177	7.145	7.201	7.116	7.170	7.097	7.095	7.270	7.329	7.276	7.183	7.394	7.338	7.105	7.471	7.342
1452024	a	Ldb1		AF303033	Mm.327442		19	7.944	8.372	8.205	8.305	8.180	8.419	8.098	7.638	7.906	8.180	7.605	8.391	8.218	8.179	8.241	8.302	8.494	8.626	8.403	8.568	8.080	7.974	8.347	8.269
1452025	a	Zfp2		AF483521	Mm.259230		11	4.182	4.237	4.353	4.266	4.300	4.446	4.428	4.254	4.177	4.143	4.219	4.231	4.117	4.167	4.374	4.436	4.370	4.355	4.271	4.400	4.313	4.412	4.343	4.303
1452026	a	Pla2l2a		AY007382	Mm.151951		3	7.576	7.284	7.265	7.093	7.080	6.922	6.966	7.761	7.175	6.944	6.769	7.115	6.856	6.726	6.730	7.354	7.944	7.291	7.050	6.986	7.447	7.892	6.585	7.193
1452027	a	Trp63		AF075434	Mm.20894		16	5.198	4.973	4.994	4.949	4.854	5.042	5.096	5.012	4.986	4.986	4.943	4.979	4.917	4.836	5.072	5.065	4.996	5.494	5.035	5.038	4.808	4.997	5.500	4.981
1452028	a	Cdh23		AY026062	Mm.440327		10	5.278	5.094	5.124	5.362	5.077	5.263	5.326	5.109	5.071	4.976	5.169	5.108	5.064	4.890	5.248	5.386	5.356	5.071	5.257	5.438	5.303	5.193	5.295	5.569
1452029	a	Purp		AF479673	Mm.159402		8	5.356	5.182	5.406	5.229	5.181	5.276	5.128	5.144	5.462	5.418	5.135	5.165	5.305	5.340	5.338	5.268	5.289	5.309	5.431	5.257	5.335	5.039	5.408	5.120
1452030	a	Hnrnp1		BB822465	Mm.31051		4	9.049	9.707	9.183	9.213	9.031	9.149	9.220	9.229	9.330	9.154	9.159	9.347	9.203	9.193	9.174	9.172	9.318	9.304	9.195	9.137	9.062	9.146	8.962	8.820
1452031	at	Slic3a		BB357585	Mm.204834		15	8.620	6.155	5.779	5.713	6.303	6.079	5.898	6.203	6.575	6.510	5.876	6.635	6.521	6.433	5.825	5.614	5.797	5.945	5.842	5.866	5.643	5.723	5.656	5.966
1452032	at	Chnra1a		AF016671	Mm.277033		11	13.807	13.137	12.838	12.967	12.947	12.477	12.689	12.666	12.909	12.877	12.983	12.865	12.980	12.926	12.908	12.932	12.968	12.948	12.968	12.948	12.968	12.948	12.968	12.968
1452033	at	Ctbp1		BC016671	Mm.277033		2	7.630	7.620	7.461	7.613	7.603	7.407	7.408	7.777	7.679	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579	7.579
1452034	at	Prepl		BB005298	Mm.259035		17	10.130	9.629	10.475	9.554	9.836	9.902	9.990	9.625	8.460	9.000	10.253	9.060	8.706	9.070	9.540	10.470	9.130	9.482	9.288	9.630	9.611	9.555	9.851	10.064
1452035	at	Col4a1		BF158638	Mm.738		8	12.442	13.574	12.340	12.449	13.840	12.582	12.420	13.727	14.104	14.171	13.849	14.033	14.131	13.774	13.810	12.301	12.625	12.765	12.983	12.804	12.911	12.710	13.096	12.670
1452036	a	Tmpo		AA153892	Mm.159684		10	9.321	10.273	9.365	9.687	9.645	9.903	9.910	10.068	9.773	9.801	9.785	9.517	9.611	10.207	9.788	9.396	10.078	9.804	9.938	9.808	9.812	10.036	9.507	9.550
1452037	at	Maat2		AI481328	Mm.206642		12	9.091	10.300	9.124	9.233	9.582	9.921	9.894	9.496	10.001	9.775	9.620	9.579	9.831	9.838	9.460	8.983	9.241	9.182	9.251	8.938	9.257	9.286	9.069	8.977
1452038	at	Capz1		AI462315	Mm.19142		3	10.650	11.546	10.662	10.447	10.849	10.815	10.754	10.881	11.324	11.411	11.229	11.113	11.262	11.663	11.000	10.694	10.330	10.158	10.526	10.504	10.221	10.342	10.633	10.723
1452039	a	Bap1		AK009033	Mm.3779		14	9.397	9.517	9.384	9.497	9.389	9.454	9.290	9.370	9.417	9.375	9.258	9.444	9.216	9.222	9.216	9.417	9.036	9.156	9.442	9.413	9.379	9.677	9.423	9.363
1452040	at	Chnra1a		AF016671	Mm.277033		6	8.081	8.293	8.415	8.291	8.987	8.959	8.154	8.212	8.395	7.719	7.219	7.259	8.222	7.227	6.830	6.929	6.854	6.955	6.833	6.854	6.955	6.833	6.854	6.955
1452041	at	Khlh2		BB376289	Mm.187090		8	9.744	9.730	9.647	9.795	9.793	9.718	9.674	9.583	9.849	9.856	9.728	9.767	9.785	9.682	9.702	9.744	9.792	9.739	9.969	9.710	9.589	9.763	9.725	9.800
1452042	a	Tmem144		AV306255	Mm.46635		3	6.695	9.179	9.588	9.203	9.206	9.026	9.260	9.261	9.046	9.375	9.932	9.476	9.408	9.322	9.617	9.606	8.498	8.667	8.816	9.202	9.479	9.221	9.636	10.138
1452043	at	Z310011J03Rik		AK020401	Mm.383824		10	8.533	9.331	8.439	8.615	8.768	8.532	8.556	9.051	9.195	8.838	8.759	8.914	8.863	8.811	8.538	8.483	9.034	8.994	8.721	8.646	8.814	8.856	8.513	8.382
1452044	at	Arcp5l		BG796960	Mm.38155		2	12.025	12.031	11.823	11.945	12.162	11.990	12.187	12.398	11.871	11.915	12.130	12.106	11.931	11.926	11.940	11.956	12.138	12.129	12.091	12.017	12.316	12.333	12.042	11.947
1452045	at	Zfp281		AV071650	Mm.62521		1	8.461	8.198	8.207	8.067																				

1452095	a	H47	AK005204	MM.22362	7	7.488	7.815	7.268	7.122	7.422	7.160	7.098	7.630	7.692	7.485	7.349	7.505	7.568	7.319	7.458	7.334	7.709	7.277	7.220	7.281	7.568	7.671	7.155	7.194	
1452096	s	at	D230025D16Rik	BG065702	MM.27186	8	10.081	8.893	10.028	10.028	9.908	9.974	9.969	9.944	9.965	9.909	9.930	9.902	9.995	9.967	10.000	10.040	10.055	10.031	10.135	10.122	9.982	9.974	10.106	10.024
1452097	at	Dusd7	BE136125	MM.275584	9	9.295	9.339	9.432	9.765	9.647	9.713	9.334	9.217	9.067	9.236	9.307	9.813	9.706	9.491	9.551	9.581	9.583	9.670	9.516	9.668	9.579	9.656	9.602	9.598	
1452098	at	Chn18	BM233289	MM.102540	17	5.961	6.704	5.942	6.108	6.075	5.939	5.856	6.345	5.991	5.796	6.080	5.592	6.061	6.173	5.757	5.587	5.879	5.759	5.550	5.751	5.824	6.006	5.778	6.047	
1452099	at	AK409296	BG070943	MM.179258	1	8.458	8.426	7.847	8.466	8.720	8.768	8.654	8.581	8.446	8.567	9.139	8.723	8.547	8.753	8.682	8.587	8.332	8.752	8.838	8.768	8.740	8.714	8.896	8.970	
1452100	at	Dullard	AV162210	MM.41678	11	10.204	10.562	10.092	10.254	10.331	10.219	10.250	10.349	10.121	10.175	10.410	10.390	10.055	10.335	10.029	10.132	10.583	10.736	10.413	10.473	10.311	10.414	10.121	10.167	
1452101	at	BlmH	BB215260	MM.399785	11	8.519	8.819	8.804	8.706	8.551	9.056	8.710	8.401	8.721	8.874	8.571	8.559	8.492	8.946	8.878	8.873	8.470	8.618	8.971	8.820	8.394	8.445	8.850	8.830	
1452102	at	Copb2	BM230157	MM.400464	9	11.197	11.341	11.299	11.392	11.268	11.472	11.165	10.977	11.202	11.382	11.159	11.067	11.199	11.408	11.270	11.394	11.178	11.105	11.304	11.384	11.102	11.108	11.216	11.333	
1452103	at	Ar116	BI456906	MM.475899	11	7.027	7.215	6.839	6.900	7.156	6.843	6.729	7.518	7.252	7.033	6.925	7.310	7.278	6.916	7.000	6.868	7.254	7.108	6.889	6.804	7.028	6.958	6.815	6.765	
1452104	at	Ar116	BI456906	MM.475899	11	5.065	5.252	4.777	4.976	4.937	4.717	4.743	5.118	5.073	5.181	4.935	5.020	5.214	5.051	4.914	4.899	5.191	5.041	4.977	4.693	5.017	5.166	4.932	4.984	
1452105	a	at	Tsc2	BB759096	MM.30435	17	9.967	9.771	9.972	10.135	9.979	9.710	9.702	9.801	9.571	9.799	9.805	10.171	9.883	9.336	9.623	9.930	10.214	10.086	9.811	10.005	10.178	10.105	9.891	9.837
1452106	at	Nnnt	AA223007	MM.279310	3	5.118	5.110	4.819	5.087	5.003	5.171	4.922	5.419	5.609	6.453	5.407	5.078	5.449	5.763	5.020	4.967	5.462	5.174	5.881	4.759	5.188	4.931	4.923	5.105	
1452107	s	at	NA	AA223007	NA	4	4.182	3.827	3.963	3.941	4.002	4.839	3.907	4.136	4.058	4.698	4.277	3.912	4.041	4.233	4.053	3.990	4.265	3.995	4.392	3.770	4.49	3.904	4.057	
1452108	at	Iqf1r	BE980124	MM.275742	7	6.955	6.761	6.821	6.806	7.108	6.830	6.949	6.777	7.310	6.988	7.177	7.310	6.988	7.497	6.940	6.846	6.980	7.025	6.604	6.732	6.870	6.718	6.829	6.600	6.834
1452109	at	Il11Tre	BG973910	MM.131781	6	9.290	9.026	9.119	9.241	9.104	9.162	9.254	9.277	9.172	9.113	9.121	8.948	9.075	9.119	9.127	9.165	9.145	9.164	9.137	9.244	9.279	9.233	9.203	9.254	
1452110	at	Mtrr	BB757908	MM.205514	13	8.911	9.089	9.024	8.813	9.083	8.719	8.536	8.944	8.690	8.678	9.003	8.351	8.896	8.651	8.596	9.122	9.319	9.327	9.002	9.102	9.085	9.559	9.269	9.202	
1452111	at	Mrsps35	AV304074	MM.46656	6	10.608	10.268	10.379	10.500	10.424	10.306	10.277	10.836	9.656	9.818	10.445	10.275	9.886	9.738	10.022	10.392	11.279	10.851	10.453	10.588	11.159	11.291	10.290	10.409	
1452112	a	at	Rbm4b	AV407974	MM.440378	19	6.660	6.429	6.493	6.489	6.588	6.567	6.354	6.605	6.752	6.457	6.577	6.510	6.521	6.664	6.557	6.496	6.661	6.565	6.583	6.515	6.592	6.628	6.762	6.850
1452113	a	at	Rab23	BB122884	MM.86744	1	7.935	8.468	8.021	8.034	8.095	8.114	7.976	7.978	8.452	8.303	8.270	8.133	8.118	8.465	8.143	7.958	7.819	7.873	7.895	7.755	7.777	7.651	7.705	7.718
1452114	s	at	Iqf1b2	BF225802	MM.405761	1	10.417	9.268	10.623	10.704	10.737	10.672	10.183	9.856	9.438	10.284	9.856	10.540	10.623	10.108	10.560	10.492	9.850	10.372	10.299	9.270	10.274	9.837	9.566	9.669
1452115	a	at	Plk4	BB706079	MM.3794	3	5.010	6.117	4.808	4.801	5.027	5.067	5.028	5.371	5.749	5.397	5.492	4.992	5.081	5.850	5.343	4.822	4.587	4.555	4.664	4.766	4.529	4.856	4.958	4.713
1452116	s	at	Atf2	BM119623	MM.209903	2	9.876	9.737	10.089	9.933	9.720	9.994	9.856	9.599	9.621	9.801	9.421	9.816	9.715	9.670	9.832	10.011	9.949	9.831	9.801	9.852	9.835	9.958	9.944	9.930
1452117	a	Fyb	BB157866	MM.170905	15	6.698	7.918	6.894	6.945	7.367	7.169	7.353	7.098	7.970	7.547	7.266	7.537	7.477	7.548	7.380	7.249	6.924	6.885	7.166	7.082	6.660	6.961	6.661	6.940	
1452118	at	Rrp1b	BG293527	MM.102761	17	8.014	7.738	7.700	7.714	7.702	7.623	7.679	7.837	7.586	7.459	7.905	7.671	7.615	7.713	7.705	7.781	7.847	7.628	7.620	7.871	7.691	7.653	7.747	7.531	
1452119	at	Rrp1b	BG293527	MM.102761	17	7.416	7.474	7.394	7.569	7.494	7.263	7.508	7.599	7.522	7.464	7.748	7.421	7.452	7.626	7.402	7.411	7.629	7.515	7.410	7.511	7.497	7.714	7.426	7.476	
1452120	at	Nat11	AV277760	MM.329605	19	8.010	7.942	8.205	8.177	8.107	8.358	8.214	7.922	7.719	7.701	7.853	7.920	7.927	8.153	7.973	8.319	7.816	8.247	8.235	8.353	7.958	7.934	7.994	8.270	
1452121	at	Fxo22	MM.276429	MM.276429	1	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502	7.461	7.502
1452122	a	at	Brn180	BB093959	MM.276429	4	11.072	10.690	11.196	11.253	10.835	11.133	10.979	10.742	10.410	10.712	10.529	10.389	10.577	10.679	10.821	10.921	10.850	11.029	11.136	11.186	10.923	11.045	11.218	11.433
1452123	s	at	Brn4b	BG067753	MM.27789	6	8.501	8.963	8.499	8.587	8.761	8.939	8.906	8.741	8.927	8.929	8.525	8.887	8.901	9.010	9.015	8.596	8.740	8.398	8.460	8.374	8.971	9.250	8.898	9.029
1452124	at	Arnk	BB628935	MM.235960	10	9.631	9.810	9.484	9.402	9.940	9.758	9.733	10.035	9.838	9.841	9.422	9.882	9.916	9.399	9.601	9.419	10.009	10.203	9.924	9.749	9.899	9.829	9.807	9.534	
1452125	at	Thrap3	BG075035	MM.29813	4	9.434	9.644	9.567	9.500	9.375	9.614	9.567	9.507	9.531	9.701	9.824	9.622	9.583	9.740	9.620	9.569	9.317	9.372	9.439	9.521	9.663	9.888	9.652	9.684	
1452126	at	Zfp160	BB329288	MM.296036	17	7.660	7.833	7.863	8.049	7.880	8.069	7.931	7.876	7.911	7.997	7.939	8.031	7.873	7.779	7.991	7.866	7.916	7.972	7.916	7.699	7.753	7.969	7.548	7.469	
1452127	a	at	Ptm13	BM236743	MM.3414	5	6.941	6.654	6.983	6.687	7.060	6.839	6.837	6.991	7.000	6.867	6.902	7.247	7.118	6.715	6.790	6.680	6.816	6.876	7.113	6.913	6.870	6.914	6.676	6.579
1452128	a	at	Brc3	AI462244	MM.226957	X	10.367	10.289	10.644	10.433	10.076	10.488	10.437	10.095	9.747	9.979	9.969	10.078	10.025	10.148	10.197	10.582	10.503	10.478	10.568	10.106	10.396	10.10	10.478	10.552
1452129	at	Pltd2	MM.294422	MM.294422	1	9.609	9.268	9.420	9.613	9.276	9.407	9.131	9.356	9.461	9.248	9.213	9.356	9.461	9.248	9.213	9.356	9.461	9.248	9.213	9.356	9.461	9.248	9.213	9.356	9.461
1452130	at	LOC100048541	BI799093	NA	17	9.726	10.444	10.060	10.013	9.931	10.462	10.371	9.881	9.673	9.942	9.703	9.833	9.481	10.101	10.027	9.987	9.854	10.129	10.188	10.294	9.787	9.965	9.790	10.181	
1452131	at	SnrpB2	AV066554	MM.1323	2	6.022	5.794	6.127	5.957	6.049	6.046	5.915	5.939	5.837	5.892	6.117	5.735	6.160	6.046	5.929	5.994	5.944	5.947	6.132	6.187	5.922	6.019	6.166	6.242	
1452132	at	Tlcl1	BE951033	MM.390375	11	8.660	8.527	8.740	8.648	8.566	8.611	8.568	8.367	8.468	8.396	8.112	8.633	8.586	8.509	8.502	8.738	8.653	8.873	8.869	8.635	8.447	8.353	8.550	8.615	
1452133	at	Uqcrh	AW106975	MM.181721	4	12.090	11.889	12.008	12.019	11.976	11.973	12.033	12.100	11.749	11.810	11.992	12.036	11.958	11.730	11.945	12.028	12.109	12.162	11.998	12.054	12.170	12.091	11.949	11.904	
1452134	at	Tmem175	BB398778	MM.258324	5	7.773	7.798	7.643	7.727	7.741	7.718	7.592	7.449	7.766	7.748	7.298	7.557	7.607	7.668	7.427	7.593	7.513	7.677	7.830	7.812	7.564	7.387	7.491	7.479	
1452135	at	Gnx6	AV001252	MM.																										

1452184	at	Ndurf9	W29413	Mm.322294	15	13.664	13.119	13.401	13.509	13.244	13.435	13.432	13.448	12.764	12.837	13.236	13.256	13.013	12.995	13.193	13.415	13.618	13.573	13.477	13.631	13.529	13.535	13.495	13.397
1452185	at	Ipo8	AW413962	Mm.260105	6	6.151	5.846	6.148	6.159	6.057	6.087	6.037	6.153	5.996	5.996	6.036	5.923	6.060	6.077	6.001	6.138	6.085	6.210	6.153	6.358	6.086	5.983	6.194	6.059
1452186	at	Rbm5	BB541007	Mm.259197	9	11.151	11.061	10.973	11.171	11.162	11.110	11.006	10.873	11.105	11.047	10.928	11.148	11.129	10.988	10.938	11.045	11.109	11.022	10.838	10.901	11.193	11.228	11.290	11.144
1452187	at	Rbm5	BB541007	Mm.259197	9	8.225	8.333	8.308	8.388	7.994	8.364	8.294	8.085	8.095	8.167	8.138	8.373	8.324	8.209	8.928	8.502	8.389	8.404	8.018	8.084	8.415	8.628	8.331	8.468
1452188	at	Rbm5	BB522516	Mm.211192	11	8.865	8.773	8.871	8.892	8.917	8.764	8.812	8.924	8.765	8.828	8.877	8.866	8.803	8.708	8.832	8.858	8.857	8.874	8.886	8.813	8.918	8.900	8.927	8.975
1452189	at	Wbr82	BK685652	Mm.265125	9	9.515	9.716	9.465	9.544	9.589	9.652	9.610	9.479	9.211	9.412	9.486	9.781	9.491	9.663	9.241	9.418	9.156	9.049	9.021	8.976	9.345	9.248	9.310	8.992
1452190	at	Prpc	AK011112	Mm.389969	7	7.832	8.856	7.840	8.187	8.416	8.246	8.188	8.327	8.883	9.075	8.449	8.777	8.719	8.978	8.687	7.950	8.745	8.162	8.331	8.276	8.170	8.037	8.151	8.145
1452191	at	Prpc	AK011112	Mm.389969	7	7.038	7.990	7.317	7.525	7.651	7.559	7.291	7.372	8.116	8.292	7.718	7.870	7.991	8.330	8.155	7.267	7.685	7.045	7.440	7.385	7.294	7.158	7.581	7.360
1452192	at	Naf1	BM502329	Mm.334561	8	9.593	9.634	9.826	9.453	9.430	9.491	9.457	9.198	9.263	9.524	9.576	9.171	9.234	9.679	9.390	9.595	9.083	9.177	9.361	9.389	9.260	9.348	9.611	9.467
1452193	a at	Wasl	BF466143	Mm.1574	6	9.490	9.268	9.529	9.416	9.582	9.699	9.588	9.500	9.386	9.676	9.533	9.568	9.553	9.518	9.666	9.523	9.358	9.526	9.503	9.383	9.467	8.992	9.601	9.698
1452194	at	Tbcd	AC020695	Mm.23686	11	8.347	8.865	8.572	8.487	8.740	8.539	8.361	8.398	8.625	8.758	8.470	8.508	8.518	8.875	8.620	8.466	8.185	8.148	8.518	8.316	8.071	8.226	8.365	8.035
1452195	s at	Shl1	AW744519	Mm.320785	11	6.516	6.686	6.662	6.590	6.960	6.146	6.324	6.408	6.408	6.518	6.473	6.425	7.181	6.283	6.423	6.722	6.438	7.012	6.706	6.664	6.380	6.787	6.433	6.588
1452196	a at	Nckap1	BC003962	Mm.25203	2	11.331	11.743	11.551	11.314	11.664	11.594	11.549	11.563	11.922	12.078	11.881	11.618	11.894	11.952	11.716	11.636	11.129	11.098	11.389	11.315	11.116	11.370	11.525	11.535
1452197	at	Smc4	AV172948	Mm.206841	3	8.973	9.174	9.061	9.113	9.271	9.479	9.355	10.042	10.103	10.148	10.023	9.680	9.781	10.242	9.897	8.994	9.075	9.102	9.267	9.127	8.980	9.365	9.204	9.070
1452198	at	Fbx10	AF176524	Mm.86406	5	8.999	9.184	9.157	9.067	8.999	8.993	8.988	8.784	8.672	8.959	8.855	8.856	8.796	9.030	9.081	9.137	8.739	8.718	8.795	8.818	8.649	8.847	9.014	9.202
1452199	at	Tmem209	BB667255	Mm.45418	6	6.871	6.926	6.837	6.954	7.019	7.082	7.101	6.547	6.826	6.987	6.889	7.014	6.957	7.287	6.985	6.940	6.671	6.609	6.965	6.641	6.676	6.804	6.812	6.972
1452200	at	Cdkn2aipnl	BF100837	Mm.289456	11	8.809	9.295	9.034	8.858	9.054	9.218	9.000	8.875	9.136	9.177	9.133	9.031	9.120	9.373	9.065	8.943	8.670	8.896	9.095	8.994	8.570	8.417	8.956	8.991
1452201	at	Z130047B19Rik	AC019749	Mm.46647	9	7.745	7.898	7.842	7.885	7.812	7.880	7.834	7.873	7.772	7.852	7.633	7.969	7.937	7.820	7.726	7.889	8.286	7.865	8.239	8.245	7.777	7.577	7.831	7.654
1452202	at	Pde2a	BG089616	Mm.247564	7	7.878	8.050	8.188	8.164	8.342	8.045	8.070	8.120	8.270	8.270	8.212	8.349	8.365	8.345	8.465	8.404	8.327	8.649	8.528	8.596	8.388	8.520	8.783	8.652
1452203	at	Oblc2a	AV313559	Mm.196290	1	10.857	11.141	10.423	10.568	10.737	10.555	10.674	10.392	11.035	11.109	10.602	10.564	10.405	11.316	10.470	10.324	10.056	10.294	10.775	10.257	10.213	10.086	10.632	10.200
1452204	at	Ank1	BB325223	Mm.32556	17	9.921	9.509	9.266	10.084	9.916	9.939	9.971	9.692	9.134	9.358	9.262	9.663	9.466	9.427	9.502	10.007	10.115	10.092	10.015	9.944	10.189	10.062	10.076	10.119
1452205	x at	TcrbJ	X67128	Mm.330326	6	4.560	4.426	4.541	4.624	4.490	4.324	4.591	4.551	4.711	4.406	4.627	4.412	4.661	4.568	4.491	4.332	4.584	4.534	4.505	4.537	4.762	4.529	4.514	4.498
1452206	at	Sucl2a	AC005273	Mm.38951	14	13.975	13.446	13.905	13.855	13.512	13.914	13.767	13.687	13.327	13.586	13.499	13.546	13.257	13.432	13.950	13.901	13.798	13.837	13.980	13.810	13.960	13.980	13.912	14.123
1452207	at	Cited2	Y15163	Mm.272321	10	11.766	11.309	11.598	11.193	11.556	11.633	11.544	11.384	11.622	11.601	12.733	11.740	11.759	11.800	12.021	11.588	11.961	11.916	12.401	12.016	11.568	12.004	11.946	12.251
1452208	at	Pdm4	AK013393	Mm.25307	10	8.927	9.455	8.857	9.027	9.159	9.129	9.041	9.339	9.415	9.433	9.793	9.230	9.163	9.236	9.097	8.992	9.152	8.998	9.086	8.991	9.075	9.109	8.972	8.880
1452209	at	Pkp4	BM269396	Mm.260938	2	10.371	10.228	10.824	10.473	10.353	10.706	10.443	10.230	9.801	10.272	10.210	10.540	10.270	10.126	10.837	10.815	10.304	10.462	10.525	10.544	10.323	10.720	10.989	11.085
1452210	at	Msm1	BA545095	Mm.21162	10	6.952	7.164	7.065	7.138	7.162	7.460	7.152	7.167	7.619	7.178	7.166	7.117	7.445	7.178	7.045	7.117	6.908	6.948	6.906	6.948	6.913	6.906	6.917	6.848
1452211	at	Msm1	BM195252	Mm.475978	11	11.315	12.066	12.643	12.419	12.564	12.462	12.461	12.276	12.222	12.035	12.711	12.362	11.861	12.322	12.625	12.109	12.287	12.421	12.281	12.063	12.422	12.356	12.790	12.989
1452212	at	Lmna	AK003174	Mm.470666	3	7.073	6.989	7.066	7.146	7.083	6.939	6.925	6.980	7.097	6.991	6.962	6.801	7.000	6.945	6.941	6.835	6.896	6.852	6.902	6.918	7.147	6.979	6.978	6.916
1452213	at	Tex2	BM239615	Mm.102407	11	9.924	9.974	9.937	10.177	10.135	9.959	9.954	9.707	9.980	10.103	9.880	10.054	9.943	9.882	9.888	10.089	10.133	10.241	10.148	10.130	10.095	10.153	10.118	10.300
1452214	at	Kit	AK018608	Mm.15406	3	10.467	10.617	10.240	10.005	10.756	10.237	10.189	10.601	10.943	10.959	10.687	10.954	11.122	10.435	10.758	10.234	9.836	9.923	9.745	9.634	10.271	10.146	10.418	10.368
1452215	at	S130401M01Rik	AV053393	Mm.455792	15	8.929	9.626	8.704	8.892	9.107	8.870	9.200	9.199	9.313	9.173	9.687	9.289	9.147	9.098	8.918	8.665	9.258	9.303	8.855	8.754	9.319	9.470	8.906	8.756
1452216	at	Mcat	BB494388	Mm.37560	15	9.834	9.651	9.692	9.721	9.605	9.750	9.578	9.910	9.424	9.395	9.512	9.644	9.311	9.386	9.406	9.737	10.191	10.185	9.998	9.950	10.086	9.974	9.721	9.964
1452217	at	Ahnak	BE570050	Mm.203866	19	12.750	12.780	12.612	13.059	12.832	12.986	12.795	12.308	12.802	13.097	12.550	12.880	13.033	12.852	12.993	12.884	12.292	12.386	12.481	12.629	12.566	12.702	13.203	12.655
1452218	at	Oic1a7	AV321267	Mm.266295	11	7.957	7.579	7.612	7.733	7.732	8.899	7.999	7.592	7.734	7.922	7.645	7.719	7.445	7.811	7.865	7.919	7.865	7.905	7.975	7.985	7.913	7.905	7.917	7.846
1452219	at	Tmem63b	AV032559	Mm.157904	17	9.079	8.758	8.789	8.821	8.868	8.913	8.923	9.081	8.965	8.668	8.778	8.901	8.817	8.931	8.902	8.984	9.250	9.051	8.860	8.938	8.936	9.167	9.060	8.753
1452220	at	Dock1	B0175788	Mm.436572	7	9.758	10.037	9.694	9.865	10.181	9.783	9.765	10.067	10.117	10.067	9.832	10.139	10.252	10.001	9.918	9.687	8.806	9.618	9.508	9.339	9.860	9.852	9.663	9.810
1452221	a at	Cxcl1	BB447351	Mm.17537	18	9.319	9.443	9.274	9.303	9.403	9.355	9.252	9.031	9.308	9.299	9.245	9.412	9.323	9.268	9.328	9.295	9.321	9.536	9.537	9.543	9.409	9.251	9.347	9.343
1452222	at	Utrn	A1788797	Mm.331784	10	9.895	10.104	10.144	10.103	10.287	10.239	10.180	10.051	10.147	10.376	10.301	10.360	10.315	10.289	10.312	10.175	9.985	10.137	10.137	10.053	9.921	10.202	10.314	10.148
1452223	s at	Gcap1	BM214039	Mm.27621	14	11.079	10.899	11.126	11.105	11.361	11.116	11.105	11.205	10.810	11.100	11.017	11.467	11.195	10.823	11.257	11.349	11.182	11.055	10.908	10.814	11			

1452273	at	AA409316	BB021559	Mm.267178	15	6.354	6.342	6.425	6.473	6.329	6.235	6.625	6.162	6.417	6.292	6.274	6.320	6.407	6.211	6.491	6.289	6.187	6.383	6.511	6.469	6.362	6.514	6.622	
1452274	at	Zfand3	BG976649	Mm.220972	17	10.465	10.878	10.203	10.365	10.764	10.164	10.270	10.918	11.207	10.842	10.630	10.102	10.929	10.687	10.506	10.167	10.826	10.803	10.404	10.279	10.830	10.990	10.395	10.376
1452275	at	Zfand3	BG976649	Mm.220972	17	6.241	6.097	5.978	6.097	6.146	5.940	6.013	6.182	6.018	6.077	6.031	6.126	6.076	5.963	6.081	6.095	6.116	6.242	6.108	6.167	6.524	6.138	6.285	6.349
1452276	at	Smarcad1	BG065193	Mm.991133	6	8.916	8.871	8.937	8.837	8.876	9.060	9.009	8.711	8.861	8.949	8.857	8.914	8.903	9.152	8.935	8.993	8.532	8.651	8.746	8.758	8.812	8.939	9.098	8.949
1452277	at	Arp2	AV069397	Mm.211850	11	4.716	5.061	4.536	4.594	4.791	5.071	4.646	4.594	4.907	4.658	4.682	4.698	4.546	4.661	4.766	4.626	4.683	4.906	4.644	4.304	4.326	4.452	4.342	
1452278	a at	Hacat1	BG922448	Mm.34916	10	5.795	5.939	5.655	5.928	6.071	5.960	6.017	6.120	6.099	6.284	5.880	6.151	6.103	5.954	5.925	5.971	5.966	5.925	5.947	5.805	5.887	6.056	5.797	5.916
1452279	a at	Cfp	BB800282	Mm.3064	X	7.954	9.227	7.901	7.895	7.931	7.900	7.890	7.819	8.837	8.411	7.922	7.458	7.636	9.316	7.668	7.868	7.498	7.501	7.898	7.438	7.517	7.713	7.363	7.650
1452280	at	Farp1	BB097480	Mm.223980	14	8.632	9.254	8.707	8.732	9.164	9.100	8.716	8.793	9.519	9.564	9.261	9.438	9.542	9.568	9.368	8.625	8.508	8.683	8.957	8.767	8.252	8.392	8.618	8.590
1452281	at	Sos2	Z11664	Mm.3770	12	9.857	9.620	9.922	9.880	9.731	9.784	9.945	9.724	9.278	9.802	9.260	9.894	9.545	9.580	9.801	9.879	9.713	9.713	9.563	9.604	9.997	10.112	10.058	10.235
1452282	at	Mmd26	AK017726	Mm.235885	8	9.045	8.764	8.975	8.977	8.925	8.701	8.783	8.717	8.757	8.561	8.739	8.655	8.751	8.601	8.665	8.880	8.714	8.990	8.754	8.812	8.908	9.018	9.195	8.966
1452283	at	Rassf8	BC004678	Mm.158669	6	9.471	9.658	9.550	9.578	9.576	9.630	9.565	9.429	9.552	9.574	9.565	9.803	9.606	9.583	9.569	9.588	9.661	9.847	9.790	9.844	9.486	9.597	9.229	9.401
1452284	at	Ptpr1	BC002298	Mm.41639	6	7.076	6.828	6.984	7.048	6.894	7.073	6.888	6.820	6.994	6.854	7.173	6.796	6.816	7.087	6.832	6.960	6.845	6.899	6.938	7.024	6.966	6.758	6.982	7.036
1452285	a at	Erj3f	AK002778	Mm.182962	7	12.702	12.841	12.665	12.790	12.658	12.789	12.734	12.860	12.937	12.735	12.661	12.899	12.928	12.806	12.630	12.592	12.994	12.997	12.726	12.715	12.861	12.933	12.574	12.479
1452286	at	Slonr2	BG081701	Mm.121285	5	13.144	12.869	13.082	12.915	12.956	12.926	13.120	13.207	12.771	13.116	13.490	13.028	12.942	12.971	13.198	13.074	12.719	12.773	12.880	12.844	12.968	12.917	13.042	13.301
1452287	at	NA	BB414973	NA	NA	5.091	5.474	5.056	5.202	5.338	5.646	5.154	5.106	5.368	5.451	5.537	5.411	5.468	5.559	5.177	5.182	5.461	5.683	5.349	5.204	5.301	5.461	5.412	5.326
1452288	at	Mtmr10	BG071933	Mm.214959	7	9.393	9.378	9.448	9.522	9.529	9.491	9.510	9.252	9.413	9.414	9.241	9.405	9.364	9.521	9.432	9.564	9.464	9.438	9.432	9.489	9.281	9.566	9.649	9.689
1452289	a at	Rnf135	AK010429	Mm.22985	11	7.352	7.633	7.613	7.744	7.811	7.641	7.584	7.535	7.668	7.843	7.383	7.716	7.801	7.747	7.652	7.472	7.500	7.789	7.765	7.592	7.381	7.420	7.492	7.525
1452290	at	Tmem106b	AK009646	Mm.27742	6	10.763	10.750	10.701	10.575	10.711	10.475	10.450	10.711	10.766	10.103	10.389	10.496	10.620	10.598	10.717	10.823	10.670	10.243	9.982	10.450	10.749	10.828	11.084	10.846
1452291	at	Centd1	AV375176	Mm.244403	5	9.142	8.944	9.302	9.110	9.048	9.240	9.133	8.783	8.685	8.969	9.010	8.988	9.061	8.921	9.176	9.178	9.025	9.266	9.298	9.322	8.784	8.957	9.306	9.201
1452292	at	Ap2b1	AV271093	Mm.39053	11	9.697	9.866	9.621	9.634	9.701	9.778	9.732	9.460	9.855	10.036	9.588	9.607	9.737	10.096	9.716	9.721	9.096	9.299	9.540	9.646	9.045	9.249	9.689	9.471
1452293	at	Snx19	AV270982	Mm.35084	9	8.041	7.763	7.994	8.067	7.886	7.902	7.971	7.842	7.690	7.777	7.718	7.772	7.837	7.817	7.843	8.098	7.949	7.842	8.033	8.132	7.905	7.798	8.013	8.177
1452294	at	Pcdh1	AK008111	Mm.36560	18	6.770	6.846	7.060	6.464	6.855	6.595	6.770	7.242	6.820	6.877	7.432	7.121	7.177	6.914	7.015	6.606	6.925	7.017	6.968	7.130	6.713	6.990	6.852	6.836
1452295	at	Pmepa1	AV291712	Mm.472831	2	6.411	6.310	6.155	6.259	7.158	6.038	5.992	6.282	6.976	6.997	6.425	7.145	7.254	6.458	6.746	6.110	6.074	5.945	6.027	6.153	6.158	5.804	6.106	6.138
1452296	at	Slit3	BM570006	Mm.202457	11	8.197	8.554	8.171	8.511	8.322	8.449	7.988	8.218	8.924	8.662	8.135	8.463	8.403	8.669	8.337	8.106	8.061	8.339	8.252	7.871	8.175	8.304	7.963	8.069
1452297	at	Ccnt2	BI872151	Mm.268672	1	6.576	6.117	6.543	6.698	6.453	6.491	6.529	6.468	6.458	6.508	6.672	6.414	6.602	6.763	6.589	6.535	6.549	6.403	6.629	7.023	6.535	6.404	6.785	6.653
1452298	a at	Myo5b	AW546331	Mm.260098	8	8.958	9.146	8.589	8.696	9.070	8.677	8.783	9.378	9.510	9.029	9.163	9.372	8.989	9.033	8.820	8.543	9.361	9.652	9.316	8.997	9.091	9.461	8.756	8.627
1452299	at	Wpnd1	Mm.91252	Mm.211850	19	9.396	9.692	9.122	9.444	9.791	9.819	9.636	9.495	9.684	9.602	9.972	9.534	9.602	9.972	9.534	9.602	9.972	9.534	9.602	9.972	9.534	9.602	9.972	9.534
1452300	at	Wwcn1	BI102531	Mm.78312	4	8.596	8.422	8.413	8.563	8.481	8.361	8.550	8.446	8.572	8.088	8.457	8.572	8.457	8.572	8.457	8.572	8.457	8.572	8.457	8.572	8.457	8.572	8.457	8.572
1452301	at	Alidh3b1	AK004004	Mm.109341	19	7.414	7.472	7.365	7.418	7.320	7.126	7.260	7.241	7.456	7.361	7.173	7.315	7.265	7.354	7.214	7.337	7.113	7.107	7.187	7.185	6.991	7.030	7.094	7.269
1452302	at	Arhgef10	AV345051	Mm.240298	8	7.613	8.115	7.611	7.994	8.330	7.964	7.832	8.303	8.458	8.551	7.870	8.145	8.478	8.828	8.281	7.758	8.276	8.406	8.149	8.073	8.216	7.783	8.001	8.106
1452303	at	Arhgef10	AV345051	Mm.240298	8	7.287	7.319	7.108	7.436	7.495	7.084	6.972	7.413	7.425	7.579	7.233	7.426	7.508	7.139	7.568	7.510	7.470	7.494	7.336	7.385	7.573	7.372	7.060	7.297
1452304	a at	Arhgef5	BC025127	Mm.320978	6	9.326	9.789	9.287	9.306	9.822	9.238	9.430	9.616	10.197	10.106	9.679	9.798	10.058	9.715	9.660	9.307	9.425	9.929	9.310	9.250	9.366	9.373	9.405	9.193
1452305	s at	Cenpn	BM230253	Mm.23185	8	7.322	8.353	6.852	7.064	7.340	7.202	7.316	7.964	7.827	7.711	7.822	7.276	7.547	8.018	7.363	7.128	7.018	7.088	7.321	7.159	6.966	6.921	6.998	6.919
1452306	at	Zfvev26	BC006654	Mm.297919	12	8.176	8.300	8.008	8.246	8.393	8.183	8.354	8.335	8.458	8.464	7.924	8.442	8.250	8.250	8.122	7.968	8.492	8.436	8.274	8.280	8.319	8.562	8.233	8.274
1452307	at	Cabp2	Mm.493934	Mm.23185	2	9.235	9.236	9.232	9.478	9.204	9.832	9.427	9.350	9.409	9.524	9.362	9.285	9.374	9.406	9.243	9.245	9.325	9.359	9.325	9.359	9.325	9.359	9.325	9.359
1452308	a at	Ala1a2	BB462665	Mm.207432	1	9.790	8.729	10.106	10.236	9.524	10.314	9.901	9.179	7.656	8.676	9.922	7.930	9.540	9.503	10.062	10.168	9.667	9.768	10.145	10.393	9.484	9.341	10.222	10.414
1452309	at	Cqnl1	BB409331	Mm.99961	9	8.125	8.027	8.289	8.482	8.059	8.500	8.168	8.070	7.959	8.032	8.326	8.353	8.132	8.218	8.162	8.196	8.110	8.321	8.385	8.216	8.218	8.211	8.279	8.196
1452310	at	Tada2l	BB440612	Mm.45159	11	8.381	8.442	8.461	8.448	8.535	8.451	8.263	8.280	8.517	8.355	8.120	8.491	8.536	8.416	8.274	8.455	8.648	8.450	8.496	8.360	8.387	8.444	8.339	8.404
1452311	at	Dmndh	AK004755	Mm.21789	13	8.085	7.458	8.095	7.946	7.772	7.941	7.922	7.842	7.763	7.614	7.897	7.778	7.838	7.786	7.890	7.795	7.982	7.853	7.932	8.076	7.885	7.827	8.061	8.216
1452312	at	5910002D19Rik	BC022909	Mm.426483	2	6.884	7.246	7.202	7.573	6.946	7.250	7.386	6.838	7.082	7.357	7.119	7.233	6.707	7.127	7.621	7.100	7.200	7.285	7.284	7.245	7.762	7.062	7.995	7.928
1452313	at	Z830416119Rik	AK011667	Mm.143908	6	8.569	9.123	8.615	8.519	9.959	8.490	8.421	9.013	9.227	8.865</														

1452362	at	Trim16	BB834440	Mm.117087	11	8.200	8.519	8.149	8.016	8.267	8.075	8.259	8.395	8.613	8.476	8.979	8.486	8.458	8.511	8.585	7.954	8.069	8.220	7.999	8.220	8.242	8.084	7.785	8.044
1452363	a	Atp2a2	AB245637	Mm.227583	5	15.206	14.982	15.238	15.233	15.120	15.236	15.169	14.848	14.539	14.948	15.013	14.975	14.846	15.059	15.140	15.259	15.102	15.126	15.209	15.225	15.123	15.092	15.247	15.273
1452364	at	Suz12	BG066534	Mm.283410	11	7.992	7.821	7.743	7.821	7.760	7.816	7.878	7.864	7.462	7.669	7.868	7.609	7.736	7.734	7.668	7.931	8.025	7.709	7.847	7.728	7.787	8.007	7.875	8.065
1452365	at	Csaglnact1	AV371987	Mm.334569	8	7.254	7.407	7.089	6.836	7.063	6.984	7.012	6.957	7.122	7.216	7.444	7.168	7.177	7.880	7.037	7.152	7.055	7.030	6.916	6.920	6.828	6.734	6.893	
1452366	at	Csaglnact1	AV371987	Mm.334569	8	8.729	9.110	8.378	8.197	8.629	8.507	8.533	8.579	8.807	8.856	8.722	8.551	8.653	9.233	8.530	8.335	8.586	8.428	8.586	8.571	8.571	8.753	8.468	8.154
1452367	at	Coro2a	A1313672	Mm.441152	4	6.078	6.298	6.236	6.048	6.102	6.111	6.016	6.068	6.056	6.097	6.246	6.011	5.967	6.027	6.022	6.105	6.936	6.067	6.142	6.098	6.098	6.093	6.142	
1452368	at	Bcr	A1853141	Mm.333722	10	8.957	9.656	8.049	8.036	8.621	8.174	7.736	7.858	9.995	9.446	10.985	8.842	9.192	10.058	9.080	8.157	7.556	7.766	7.929	7.569	7.705	7.647	7.611	7.627
1452369	at	Maq1	AF027505	Mm.217216	6	7.277	7.242	6.864	7.185	7.262	7.319	7.091	7.165	7.260	7.270	7.375	7.201	7.303	7.207	7.291	7.217	7.129	7.118	7.287	7.285	7.075	7.242	7.251	7.552
1452370	s	B230208H17Rik	BB449608	Mm.29600	2	8.575	8.722	8.455	8.698	8.465	8.419	8.322	8.245	7.932	8.006	8.044	8.123	7.948	7.911	8.003	8.521	8.311	8.328	8.337	8.278	8.450	8.214	8.458	8.336
1452371	at	Sfrs11	AW261583	Mm.223946	3	10.361	10.651	10.260	10.160	10.485	10.244	10.212	10.428	10.666	10.631	10.467	10.438	10.465	10.429	10.365	10.223	10.430	10.352	10.375	10.152	10.469	10.405	10.272	10.234
1452372	at	Bsdcl	BF729638	Mm.17918	4	7.926	7.872	7.883	8.044	7.945	7.851	7.871	8.046	7.592	7.865	7.746	7.824	8.144	7.820	7.894	8.127	8.256	7.983	7.844	8.009	8.092	8.148	7.841	8.125
1452373	at	1700081L11Rik	BB486340	Mm.136418	11	9.882	9.575	9.917	9.924	9.859	9.855	9.748	9.513	9.735	9.866	9.859	9.961	9.904	9.756	9.940	10.000	9.802	9.859	9.861	9.879	9.897	9.616	9.990	10.089
1452381	at	Zfp322a	BB315154	Mm.286454	13	9.705	10.289	9.723	9.658	9.738	9.780	9.880	10.166	10.385	10.382	9.942	10.220	10.002	10.247	10.190	9.720	9.774	9.776	9.867	9.682	9.967	9.739	9.834	9.554
1452375	at	Aldh4a1	BB282093	Mm.273571	4	8.643	7.969	8.584	8.647	8.821	8.526	8.448	8.299	7.848	8.228	8.380	8.464	8.190	8.019	8.383	8.753	8.667	8.707	8.775	8.907	8.639	8.553	8.388	8.820
1452376	at	Zfp444	BE951951	Mm.274089	7	6.776	6.940	6.795	6.961	6.781	6.610	6.890	6.693	6.889	6.706	6.708	6.954	6.719	6.744	6.739	6.774	6.619	6.791	6.770	6.820	7.052	6.740	6.748	6.634
1452377	at	Mill1	AK017541	Mm.2389	9	8.506	8.269	8.605	8.722	8.538	8.313	8.275	8.313	8.092	8.516	8.376	8.355	8.462	8.006	8.474	8.526	8.262	8.234	8.083	8.110	8.319	8.453	8.497	8.519
1452378	at	Malat1	AW012617	Mm.298256	19	11.340	11.266	11.416	11.296	11.117	11.648	11.299	10.584	10.751	10.743	10.894	10.866	10.814	10.911	11.031	11.555	10.642	10.873	11.066	10.925	10.632	10.589	11.084	11.162
1452379	at	Aut2	AK012475	Mm.389695	5	6.998	6.662	6.774	6.681	6.812	6.630	6.709	6.875	6.688	6.586	6.720	6.859	6.848	6.590	6.781	6.692	7.292	6.951	6.890	6.958	6.971	6.786	6.516	6.683
1452380	at	Enn7	BB075797	Mm.257266	4	4.466	4.003	4.244	4.167	4.204	4.321	4.336	4.114	4.146	3.979	4.230	4.230	4.242	4.077	4.253	4.217	4.267	4.368	4.518	4.292	4.411	4.117	4.363	4.119
1452381	at	Creb3l2	AV021105	Mm.169929	6	9.027	9.804	9.125	9.226	9.920	9.435	9.054	9.541	10.240	10.296	9.442	10.512	10.509	9.551	9.908	9.059	9.951	9.121	9.017	8.917	8.926	9.017	9.355	8.805
1452382	at	Dnm3os	BB542096	Mm.29567	1	6.682	6.776	6.549	6.924	7.984	6.704	6.490	6.620	9.229	9.208	7.177	8.308	8.777	8.055	8.041	6.480	6.067	5.947	6.091	5.889	5.489	6.088	6.092	6.296
1452383	at	Rps6ka3	BE376079	Mm.328476	X	7.368	7.220	7.366	7.331	7.290	7.311	7.324	7.173	7.075	7.209	7.462	7.133	7.328	7.369	7.343	7.395	7.351	7.439	7.459	7.518	7.276	7.361	7.434	7.445
1452384	at	Enpp3	AV224446	Mm.338425	10	8.531	8.293	8.227	8.428	8.370	8.396	8.311	8.436	8.424	8.420	8.176	8.093	8.238	8.627	8.275	8.189	8.594	8.788	8.571	8.599	8.430	8.462	8.353	8.373
1452385	at	Usp53	BG067625	Mm.475703	3	6.207	6.940	6.056	5.865	6.054	6.045	6.021	6.818	7.211	6.998	7.702	6.179	6.028	6.696	6.820	6.005	6.080	5.904	6.142	5.728	6.222	5.681	6.143	6.474
1452386	at	Sall3	X97581	Mm.215917	18	5.915	5.780	5.918	5.807	5.565	5.680	5.683	5.674	5.855	5.748	5.816	6.011	5.811	5.650	5.744	5.796	6.062	5.615	5.763	5.960	5.831	5.786	5.823	5.902
1452387	a	Amotl2	AV156725	Mm.21145	9	10.203	10.175	10.084	10.235	10.254	10.192	9.984	9.961	10.313	10.435	9.888	10.120	10.251	10.363	10.390	10.146	10.130	10.132	10.280	10.265	10.188	10.233	10.395	10.127
1452389	at	Atg1a1	BB091946	Mm.339811	17	9.874	9.176	8.375	8.187	8.629	8.136	8.007	8.896	8.701	8.701	9.156	8.792	10.312	7.912	7.912	7.912	7.912	7.912	7.912	7.912	7.912	7.912	7.912	7.912
1452390	at	Cd27	L24495	Mm.367714	4	6.672	6.532	6.512	6.558	6.567	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526	6.576	6.526
1452390	at	AB481140	BB401486	Mm.271932	5	7.207	7.238	6.959	7.077	7.330	7.092	7.083	7.544	7.431	7.402	7.128	7.440	7.386	7.250	7.126	7.079	7.494	7.263	7.236	7.168	7.406	7.535	7.741	6.847
1452391	at	Cxad7	AK004908	Mm.62222	16	5.698	5.536	5.584	5.765	5.521	5.626	5.585	5.411	5.734	6.150	5.564	5.558	5.601	5.669	5.654	5.689	5.695	5.666	5.715	5.817	5.549	5.472	5.783	5.735
1452392	a	Wipi1	BG068076	Mm.35817	11	7.739	7.975	7.542	7.856	7.653	7.727	7.636	8.028	8.073	7.880	7.940	8.290	8.050	7.697	7.786	7.613	7.769	8.053	7.734	7.775	7.827	7.914	7.712	7.604
1452393	at	Akna	BB014626	Mm.387725	4	6.962	7.498	6.982	6.993	7.118	6.999	7.201	7.174	7.121	7.073	7.014	7.070	7.129	7.223	7.081	7.051	6.945	7.034	6.818	7.023	7.016	7.148	6.772	6.800
1452394	at	Cars	A1317241	Mm.125659	7	8.081	8.209	7.934	8.172	7.961	8.068	7.942	8.127	8.387	8.305	8.369	8.021	7.946	8.208	7.974	8.194	8.078	7.898	8.003	8.074	7.918	7.612	7.961	8.067
1452395	at	Med19	AA111022	Mm.219643	2	8.254	8.486	8.400	8.242	8.248	8.253	8.395	8.234	8.200	8.303	8.269	8.331	8.219	8.248	8.166	8.189	8.282	8.233	8.395	8.277	8.076	8.098	8.184	8.186
1452396	at	Usp15	BF712154	Mm.339811	16	7.007	7.173	7.154	7.197	7.139	7.139	7.139	7.047	7.045	7.139	7.047	7.045	7.139	7.047	7.045	7.139	7.047	7.045	7.139	7.047	7.045	7.139	7.047	7.045
1452397	at	2814047019Rik	BE196832	Mm.333515	6	6.381	7.537	6.697	6.012	7.374	6.364	6.284	6.720	7.260	6.842	7.502	6.538	6.347	6.413	6.539	6.428	5.888	5.909	6.167	5.770	6.114	6.395	6.489	6.942
1452398	at	Plic1	AV306884	Mm.34031	19	9.696	9.853	9.613	9.991	10.124	10.241	10.142	9.940	9.803	9.928	9.930	9.962	9.988	9.875	9.808	9.655	9.842	10.260	10.154	10.156	9.657	9.752	9.950	9.877
1452399	at	Rqs6	BB5274058	Mm.153013	12	7.861	7.485	7.811	7.801	7.611	7.649	7.620	7.466	7.315	7.501	7.853	8.151	7.671	7.019	7.858	7.835	7.877	7.959	7.582	7.901	7.829	7.943	7.942	7.788
1452400	a	Hoxa11os	BB550242	Mm.499918	6	5.793	5.995	5.866	5.868	5.930	6.012	5.840	6.192	5.976	5.932	6.032	5.957	6.073	6.005	6.013	5.866	5.848	6.042	6.012	5.864	5.908	5.861	5.980	5.955
1452401	at	Wtap	AJ276701	Mm.275521	17	10.877	11.231	10.805	10.871	11.046	10.918	10.699	10.868	10.907	10.946	10.832	10.759	10.977	10.893	10.860	10.700	10.559	10.920	10.965	10.807	10.864	10.719	10.801	10.695
1452402	at	NA	BC024836	NA	NA	6.667	6.642	6.740	6.679	6.561	7.197	7.081</																	

1452451	at	mCG 21548	AF204460	Mm.41849	8	6.425	6.349	6.238	6.464	6.399	6.318	6.437	6.745	6.709	6.331	6.681	6.499	6.356	6.399	6.480	6.547	6.352	6.294	6.352	6.533	6.562	6.447	6.452	6.386	
1452452	at	NA	M73818	NA	NA	8.997	8.860	8.982	9.015	8.799	8.820	9.019	8.991	8.931	8.747	8.793	8.893	8.867	8.898	8.875	8.983	8.947	8.917	8.921	8.910	9.017	8.926	8.919	8.839	
1452453	a	at	Camk2a	Mm.131530	18	4.643	4.385	4.514	4.697	4.531	4.664	4.597	4.825	4.659	4.407	4.770	4.601	4.673	4.606	4.551	4.645	4.505	4.695	4.529	4.746	4.730	4.639	4.771	4.804	
1452454	at	Sdai1	BB660702	Mm.86564	5	6.820	7.010	6.396	6.717	7.167	6.451	6.317	6.361	7.130	7.080	6.996	6.822	7.236	6.656	6.791	6.581	6.535	6.805	6.812	6.322	6.384	6.656	6.782	6.385	
1452455	at	Fer1l3	AK009153	Mm.34674	19	5.099	4.989	5.115	5.302	5.018	4.999	4.931	4.966	5.266	4.971	5.145	5.081	5.055	4.987	5.160	5.233	5.083	5.187	5.193	5.127	4.988	5.060	5.169	5.168	
1452456	at	Wrip2	BE653335	Mm.269883	6	8.080	7.921	8.079	7.976	7.850	7.917	8.083	7.948	7.749	7.731	7.878	7.799	7.793	7.701	7.779	8.060	8.288	8.181	8.159	8.070	8.075	8.251	7.894	8.047	
1452457	a	Prkab1	AF108215	Mm.458152	5	8.246	7.885	8.131	8.175	7.932	8.194	8.132	7.835	7.868	7.717	7.915	7.845	7.812	7.692	7.763	8.185	8.300	8.364	8.419	8.347	8.187	8.015	8.067	8.117	
1452458	s	at	Ppil5	BC022648	Mm.28847	12	5.271	7.579	5.363	5.552	6.224	5.628	5.737	6.498	6.493	6.005	6.538	5.665	5.812	7.052	5.783	5.585	5.539	5.365	5.569	5.549	5.463	5.354	5.415	5.463
1452459	at	Aspm	BB648052	Mm.168523	1	6.678	7.592	6.874	6.903	7.076	6.712	7.060	7.736	7.930	8.103	7.632	7.138	7.424	7.771	7.853	6.809	6.573	6.354	6.764	6.854	6.500	6.914	6.697	6.667	
1452460	at	Ankrd26	BF134412	Mm.276116	6	6.092	5.877	5.950	6.120	5.953	5.836	5.986	5.898	6.079	5.899	5.762	5.954	5.875	5.974	5.885	5.954	5.162	5.921	5.896	5.931	6.075	5.951	6.039	5.881	
1452461	a	Gnptab	L36434	Mm.335190	10	6.158	5.980	5.862	6.140	6.455	6.472	6.184	6.564	6.218	6.306	6.474	6.054	6.083	6.498	6.308	6.327	5.790	5.997	6.300	6.241	6.041	5.861	5.697	6.530	
1452462	a	Blnp	BC013339	Mm.287163	8	8.078	8.403	7.959	8.107	8.252	7.994	8.160	8.181	8.420	8.217	8.246	8.373	8.184	7.974	8.094	7.994	8.436	8.349	8.124	7.978	7.858	8.445	8.562	8.137	
1452463	x	at	Iqk-V1	Mm.333124	6	5.652	5.783	5.654	5.850	5.988	5.796	5.616	5.046	5.795	5.660	6.381	5.697	5.539	5.659	5.558	5.477	5.940	6.161	5.731	5.790	6.662	6.159	5.717	5.852	
1452464	a	Metad1	AJ141378	Mm.152796	2	9.005	8.589	9.274	9.123	8.729	9.087	9.134	8.830	8.273	8.376	8.198	8.666	8.411	8.460	8.660	9.111	9.325	9.391	9.175	9.213	9.010	9.380	9.013	9.203	
1452465	at	Mylh1	AJ293626	Mm.422801	11	6.052	5.754	6.259	6.175	6.171	5.925	6.221	6.063	5.928	5.926	6.223	5.945	6.041	5.949	5.951	5.957	5.922	6.044	6.198	6.136	6.213	5.944	6.189	6.173	
1452466	a	Rbm6	BC026130	Mm.139926	9	9.125	8.891	9.174	9.033	8.985	9.215	9.097	9.131	8.902	9.138	9.046	8.989	8.946	8.939	9.147	9.207	9.124	9.039	9.223	9.227	9.043	9.032	9.195	9.618	
1452467	at	Mmab	BO042988	Mm.105182	5	8.178	7.997	8.365	8.315	8.142	8.427	8.159	7.787	7.819	8.032	7.997	7.828	7.894	8.007	8.058	8.329	7.782	8.090	8.244	8.236	7.853	7.446	8.309	8.282	
1452468	s	at	Mmab	BO042988	Mm.105182	5	8.167	7.876	8.263	8.301	7.973	8.126	8.077	7.891	7.813	7.843	8.041	7.869	7.840	7.902	7.970	8.242	7.883	8.005	8.025	8.247	8.074	7.775	8.262	8.451
1452469	a	Smtn	BF578669	Mm.188516	11	9.067	9.577	8.905	9.293	9.460	9.200	8.915	9.650	9.281	9.170	9.397	9.379	9.225	8.734	9.141	8.938	9.608	9.322	8.979	9.078	9.717	9.553	9.118	9.097	
1452470	at	Ccp350	BC019716	Mm.260247	1	8.406	8.548	8.393	8.436	8.253	8.437	8.361	8.566	8.290	8.369	8.319	8.565	8.277	8.215	8.413	8.413	8.643	8.531	8.343	8.274	8.394	8.624	8.497	8.170	
1452471	at	IL17rd	AF459444	Mm.206726	14	6.700	6.537	6.719	6.877	6.929	6.736	6.935	6.806	6.759	6.686	6.751	6.616	6.781	6.618	6.746	6.745	6.772	6.704	6.809	6.963	6.734	6.428	6.601	6.709	
1452472	at	Rtp3	AJ248064	Mm.441138	9	7.666	7.431	7.635	7.821	7.915	7.682	7.754	7.862	7.844	7.982	7.897	7.902	7.700	7.638	7.921	7.743	7.958	8.090	8.008	7.775	8.106	8.083	8.046	7.848	
1452473	at	Prr15	AJ132433	Mm.41984	6	4.498	4.739	5.092	4.930	4.804	5.119	4.664	4.843	5.379	5.298	4.591	5.166	5.271	4.692	5.176	4.843	4.906	5.012	4.727	4.784	4.770	4.464	4.094	4.615	
1452474	a	Art3	AJ131773	Mm.263514	5	12.430	11.700	12.709	12.151	12.299	12.277	11.852	12.499	11.643	12.252	11.515	12.240	11.917	11.130	12.656	12.594	12.800	12.787	12.663	12.604	12.825	12.909	12.752	12.978	
1452475	at	Pcsk5	D17583	Mm.3401	19	6.107	5.401	5.973	5.692	5.524	5.739	5.702	5.707	5.681	5.572	5.542	5.961	5.456	5.685	5.783	5.628	5.762	5.568	5.706	5.864	5.832	5.562	5.505	5.813	5.817
1452476	at	Cacnb2	W41214	Mm.313930	2	8.144	8.648	8.924	8.549	8.024	8.791	8.855	7.212	7.591	8.219	7.329	7.895	7.849	8.505	7.807	8.942	7.668	8.038	8.597	8.658	8.045	8.091	8.788	8.513	
1452477	at	Slc11o57O12Rik	BB029149	Mm.400337	9	6.527	6.733	7.393	6.793	6.783	7.385	6.787	6.127	6.603	6.622	6.733	6.622	6.733	6.622	6.733	6.622	6.733	6.622	6.733	6.622	6.733	6.622	6.733	6.622	6.733
1452478	at	NA	AY044451	Mm.296528	18	11.367	11.129	10.944	10.683	10.610	10.747	10.704	11.333	10.819	10.819	10.776	10.776	10.819	10.776	10.776	10.819	10.776	10.776	10.819	10.776	10.776	10.819	10.776	10.819	10.776
1452479	at	Ccn02as2	BB309153	Mm.22891	6	4.999	4.615	4.682	4.758	4.632	4.644	4.751	4.713	4.659	4.535	4.754	4.602	4.619	4.843	4.739	4.873	4.647	4.697	4.557	4.788	4.674	4.584	4.698	4.752	
1452480	at	Ans9529M08Rik	BC024760	Mm.136347	2	5.502	5.005	5.571	5.217	5.068	5.318	5.392	5.353	5.009	4.939	5.304	5.141	5.369	5.267	5.281	5.597	5.197	5.255	5.371	5.375	5.539	5.290	5.555	5.505	
1452481	at	Picb2	BC019788	Mm.215156	2	6.636	6.771	6.552	6.674	6.498	6.641	6.696	6.765	6.680	6.476	6.457	6.584	6.641	6.626	6.534	6.575	6.879	6.559	6.518	6.625	6.843	6.808	6.607	6.636	
1452482	at	Erbp3	BI251855	Mm.373043	10	6.681	6.411	6.728	6.865	6.697	6.649	6.886	6.909	6.746	6.440	6.779	6.649	6.467	6.670	6.710	6.706	6.774	6.645	6.900	6.883	6.772	6.735	6.808	6.674	
1452483	a	Cd44	X66083	Mm.423621	2	5.587	6.278	5.284	5.103	5.478	5.338	5.190	3.569	6.002	6.146	6.918	5.337	5.534	5.897	5.556	5.321	5.043	5.034	5.279	4.823	4.996	5.229	5.102	5.259	
1452484	at	Car7	AF291660	Mm.129265	8	5.991	6.012	6.006	5.938	6.044	5.814	5.916	6.148	5.773	5.919	5.842	6.043	5.815	5.879	5.931	5.923	6.024	5.913	5.946	6.099	5.953	5.892	6.162	5.895	
1452485	at	Phospho1	AF020765	NA	11	7.011	7.249	6.129	7.098	7.355	7.157	7.324	7.058	7.299	7.376	7.182	6.932	5.991	6.981	7.045	7.179	7.127	7.037	7.037	7.037	7.037	7.037	7.037	7.037	
1452486	a	Cryaa	AJ331038	Mm.1228	17	7.452	7.020	7.416	7.371	7.254	7.187	7.427	7.540	7.277	7.368	7.332	7.431	7.144	7.226	7.311	7.324	7.385	7.414	7.413	7.375	7.497	7.281	7.408	7.461	
1452487	x	at	Pir11	BB133664	Mm.3189	7	5.648	5.461	5.351	5.605	5.339	5.422	5.347	5.754	5.476	5.127	5.511	5.274	5.317	5.417	5.431	5.352	5.251	5.264	5.151	5.187	5.286	5.213	5.262	5.550
1452488	at	Y11009	NA	NA	6	6.188	5.902	6.243	5.892	5.962	6.038	6.064	5.934	6.068	5.831	6.014	5.911	5.969	6.126	6.262	6.026	5.963	5.758	6.017	6.117	6.000	6.027	6.307	6.106	
1452489	at	Vps11	BC016258	Mm.295013	9	7.747	7.370	7.541	7.588	7.707	7.543	7.597	7.669	7.647	7.530	7.812	7.539	7.793	7.811	7.818	7.713	7.690	7.729	7.742	7.674	7.863	7.711	7.751	7.667	
1452490	a	Ap2a2	BC010597	Mm.253090	7	7.625	8.397	7.763	7.857	7.778	7.776	7.651	7.385	8.278	7.832	7.835	7.922	7.864	8.204	7.781	7.726	7.370	7.678	7.799	7.615	7.575	7.734	7.801	7.785	
1452491	at	NA	BC024427	NA	5	5.232	5.026	5.104	5.029	5.126	4.916	5.033	5.083	5.116	4.777	5.088	5.096	5.147	5.061	5.045	4.852	5.114	5.149	4.925	4.847	5.112	5.0			

1452540	a	at	Hist1h2bp	M25487	Mm.264645	13	9.101	9.201	8.906	8.950	9.421	8.776	8.663	10.267	9.701	9.233	9.268	10.011	9.857	8.593	8.758	8.699	10.537	9.758	9.207	8.812	10.026	10.683	8.781	8.590	
1452541	at		Ep04.1l2	AJ245854	Mm.306026	10	7.261	6.995	7.191	7.039	7.075	7.274	7.263	7.016	7.045	6.979	6.988	6.975	6.932	7.039	7.215	7.248	7.155	7.167	7.136	7.387	6.873	6.959	7.219	7.321	
1452542	x	at	Tcf2a	D29919	Mm.3406	10	6.303	6.041	5.756	6.108	6.023	5.849	5.783	6.020	6.110	5.714	6.360	6.111	6.188	6.033	5.925	5.922	6.079	6.122	5.999	5.973	5.851	6.019	5.912	5.963	
1452543	a	at	Scob1a1	X67702	Mm.2258	19	6.404	5.583	6.007	5.852	5.674	5.722	5.905	5.702	5.782	5.627	5.750	5.748	5.723	5.671	5.773	5.583	5.671	6.026	5.955	5.971	5.675	5.647	5.729	6.098	
1452544	x	at	H2-D1	J02046	Mm.422086	17	8.128	8.218	8.218	8.218	7.937	7.981	7.977	8.225	8.139	8.051	8.203	7.700	7.908	7.939	7.851	8.059	7.900	7.802	8.053	7.807	8.162	7.802	7.790	7.857	
1452545	a	at	Htp1	U97029	Mm.263396	8	11.024	12.016	11.277	11.291	12.065	11.611	11.204	10.669	12.422	12.699	11.865	12.104	12.097	12.475	12.465	11.484	10.078	10.683	11.476	11.287	10.403	10.035	11.377	11.149	
1452546	x	at	Delb11	AJ437646	Mm.221026	8	5.600	5.203	5.555	5.339	5.585	5.447	5.496	5.591	5.279	5.449	5.470	5.275	5.440	5.353	5.471	5.790	5.504	5.453	5.371	5.454	5.538	5.525	5.538	5.575	
1452547	s	at	H2-D1	M16810	Mm.422886	17	4.633	4.378	4.622	4.628	4.492	4.339	4.608	4.780	4.766	4.534	4.393	4.522	4.817	4.633	4.410	4.509	4.393	4.508	4.546	4.495	4.699	4.606	4.700	4.541	
1452548	x	at	H2-D1	M16810	Mm.422886	17	8.401	8.115	8.340	8.281	8.312	8.162	8.217	8.407	8.350	8.212	8.307	8.188	8.298	8.345	8.439	8.370	8.210	8.423	8.241	8.445	8.393	8.177	8.488	8.352	
1452549	at		Gm1549	AJ319753	Mm.424219	X	4.058	3.836	3.817	4.122	3.871	3.935	3.871	4.302	3.953	3.926	3.772	3.982	3.693	3.821	3.814	3.950	4.205	3.878	4.002	4.035	4.324	4.058	4.097	4.135	
1452550	a	at	Fmr1	AF170530	Mm.34059	X	8.736	8.617	8.568	8.853	8.593	8.520	8.627	8.657	8.595	8.853	8.644	8.604	8.549	8.656	8.493	8.569	8.629	8.604	8.543	8.612	8.694	8.610	8.690	8.563	
1452551	at		Npn2	Z31359	Mm.391580	6	7.286	6.750	6.957	7.112	7.008	7.290	6.930	6.867	7.154	6.923	7.000	6.892	6.929	6.949	7.066	6.940	7.015	6.973	6.890	6.988	7.009	6.795	7.157	6.797	
1452552	at		Npn2	Z31359	Mm.391580	6	5.031	4.632	4.941	4.891	4.826	4.560	4.646	5.089	4.639	4.686	4.759	4.772	4.682	4.725	4.704	4.964	4.587	4.789	4.804	4.931	4.477	4.777	4.883	4.900	
1452553	at		Npn	BC021394	NA	NA	6.707	6.554	6.902	6.584	6.658	6.708	6.785	6.708	6.679	6.520	6.826	6.630	6.838	6.642	6.717	6.833	6.752	6.761	6.686	6.877	6.702	6.658	6.539	6.762	
1452554	at		EG667141	AF037046	Mm.425331	6	6.934	6.683	6.592	6.678	6.735	6.786	6.764	6.804	6.801	6.357	6.884	6.401	6.721	6.650	6.659	6.795	6.666	6.687	6.673	6.824	6.870	6.658	6.674	6.728	
1452555	at		EG667141	AF037046	Mm.425331	6	5.100	4.921	5.007	4.943	4.997	4.871	5.224	5.040	4.782	5.147	5.090	5.022	5.006	4.875	4.900	5.283	5.171	5.119	5.118	5.205	5.419	4.930	5.088	5.011	
1452556	at		Npn	BF580235	NA	NA	7.385	7.165	7.770	7.685	7.585	7.426	7.574	7.646	7.534	7.204	7.508	7.540	7.620	7.553	7.439	7.687	7.485	7.589	7.559	7.558	7.662	7.469	7.560	7.556	
1452557	a	at	lqk-V1	BF159226	Mm.333124	6	7.419	7.000	7.247	7.198	7.022	6.959	6.985	7.037	7.080	6.835	7.201	7.027	7.089	7.203	7.106	7.061	7.120	6.994	6.946	7.110	7.203	7.074	7.115	7.080	
1452558	at		Npn	AA119055	NA	NA	4.236	4.181	4.391	4.283	4.227	4.152	4.179	4.068	4.158	4.114	4.126	4.246	4.179	4.187	4.069	4.247	4.108	4.245	4.167	4.360	4.175	4.089	4.293	4.227	
1452559	at		ENSMUSG000000	BC017159	Mm.413175	8	6.829	6.669	6.800	6.936	6.783	6.492	6.628	6.573	6.547	6.451	6.656	6.979	6.773	6.699	6.600	6.661	6.698	6.695	6.491	6.653	6.855	6.781	6.679	6.628	
1452560	a	at	Nhya	D78642	Mm.4929	17	8.617	8.948	8.512	8.696	8.726	8.583	8.451	8.700	9.059	9.023	9.128	8.833	8.714	8.875	8.770	8.546	8.640	8.541	8.240	8.479	8.692	8.351	8.798	8.651	
1452561	at		NA	BC010480	NA	NA	6.051	5.752	6.094	6.036	6.078	6.010	6.120	6.015	6.061	5.884	6.023	5.811	5.921	6.135	5.997	6.187	6.155	6.083	6.176	6.246	6.093	5.927	6.102	5.968	
1452562	at		Jarid1d	Z29652	Mm.262676	Y	5.876	5.369	5.843	5.731	5.675	5.630	5.775	5.645	5.764	5.562	5.598	5.445	5.735	5.584	5.637	5.834	5.828	5.683	5.660	5.901	5.708	5.515	5.989	5.755	
1452563	a	at	Jarid1d	Z29652	Mm.262676	Y	6.637	6.494	6.724	6.550	6.463	6.678	6.638	6.700	6.865	6.406	6.547	6.718	6.645	6.487	6.545	6.490	6.552	6.254	6.743	6.472	6.686	6.417	6.610	6.524	
1452564	at		Ofa	U06662	NA	NA	4.141	3.987	4.113	4.055	4.047	4.100	4.015	4.045	4.167	3.925	4.210	4.014	4.169	4.189	4.071	4.275	4.028	4.013	4.208	4.198	4.034	3.894	3.902	4.075	
1452565	x	at	LOC641050	M11024	NA	NA	5.696	5.390	5.383	5.415	5.577	5.380	5.559	5.631	5.564	5.537	5.559	5.601	5.498	5.478	5.538	5.489	5.492	5.610	5.498	5.564	5.839	5.514	5.637	5.776	
1452566	at		Scap8	NA002131	NA	NA	6.850	6.950	6.907	6.857	6.960	6.867	6.908	6.872	6.891	6.908	6.923	6.884	6.897	6.889	6.898	6.892	6.898	6.892	6.893	6.892	6.893	6.892	6.893	6.892	
1452567	at		Gcap8	L10908	Mm.439705	5	5.733	5.338	5.470	5.458	5.440	5.577	5.596	5.612	5.313	5.627	5.424	5.462	5.578	5.424	5.462	5.578	5.424	5.462	5.578	5.424	5.462	5.578	5.424	5.462	
1452568	at		Gcap8	L10908	Mm.439705	5	4.415	4.278	4.571	4.285	4.323	4.339	4.193	4.433	4.278	4.296	4.444	4.266	4.372	4.367	4.396	4.153	4.364	4.359	4.503	4.536	4.148	4.087	4.444	4.042	
1452569	at		Scap1b2	AB037192	Mm.272223	6	5.183	4.849	5.013	5.045	5.052	5.202	5.168	5.248	5.032	4.919	4.988	4.723	5.033	5.011	4.858	5.019	5.161	4.932	4.985	4.983	5.144	4.944	5.112	4.952	
1452570	at		D0Kist5	UH0892	Mm.441418	NA	6.036	5.895	6.048	5.821	5.928	5.962	6.149	5.813	5.952	5.927	6.274	5.893	6.192	5.910	5.911	6.004	5.988	5.972	5.946	6.265	5.861	5.793	5.986	5.980	
1452571	at		Tuba-rs1	M19413	Mm.439689	17	6.997	6.963	6.635	7.020	6.663	6.960	6.879	7.302	7.336	6.995	6.927	7.156	7.293	6.942	7.253	6.998	6.744	6.943	6.771	6.986	6.979	7.129	7.061	7.072	6.690
1452572	at		Camk4	M12606	Mm.222372	18	8.356	7.947	8.213	8.324	8.186	8.041	8.261	8.246	8.180	8.106	8.281	7.986	8.248	8.031	8.053	8.156	8.234	8.423	8.214	8.256	8.327	8.261	8.314	8.256	
1452573	a	at	B010007P08RIK	AJ250191	Mm.186610	13	6.023	6.124	6.248	6.107	6.106	6.292	6.100	5.782	5.971	6.381	6.175	5.836	6.054	6.246	6.130	6.308	5.915	6.043	6.227	6.304	5.828	6.107	6.162	6.251	
1452574	x	at	Polr2b	X0410558	Mm.273577	12	8.825	8.849	8.408	8.475	8.347	8.493	8.425	8.393	8.188	8.324	8.806	8.797	8.759	8.869	8.803	8.847	8.803	8.847	8.803	8.847	8.803	8.847	8.803	8.847	
1452575	at		Krtap-6.3	D89901	Mm.326678	16	5.629	5.355	5.867	5.556	5.338	5.919	5.601	5.350	5.508	5.208	5.622	5.447	5.471	5.567	5.609	5.754	5.631	5.781	5.786	6.038	5.738	5.297	5.792	5.847	
1452576	at		lqh	X88902	Mm.342177	12	4.531	4.452	4.619	4.566	4.425	4.667	4.598	4.490	4.515	4.465	4.588	4.490	4.548	4.616	4.645	4.513	4.483	4.427	4.451	4.692	4.457	4.465	4.554	4.597	
1452577	at		lqh	X88902	Mm.342177	12	3.890	3.822	3.802	3.808	3.771	3.923	3.723	3.846	3.747	3.830	3.786	3.725	3.776	3.771	3.769	3.710	3.769	3.867	3.865	3.879	3.771	3.799	3.381	3.692	
1452578	at		NA	AB046930	NA	NA	4.410	4.434	4.552	4.457	4.475	4.469	4.300	4.358	4.263	4.261	4.434	4.260	4.279	4.287	4.344	4.392	4.482	4.348	4.447	4.502	4.370	4.366	4.235	4.297	
1452579	at		Iscu	AK009021	Mm.79497	5	12.009	11.637	11.997	11.261	11.895	11.883	11.898	12.025	11.527	11.477	11.628	12.084	11.925	11.390	11.700	11.700	12.005	12.298	12.253	11.944	12.028	12.188	12.082	11.833	11.660
1452580	a	at	Mmr21	BI692686	Mm.74084	19	10.799	10.371	10.6																						

1452629	at	Safb2	BM239918	Mm.214973	17	7.989	7.924	7.751	8.059	7.908	7.942	7.732	7.805	7.581	7.636	7.685	7.794	7.652	7.717	7.667	8.094	7.921	7.742	7.979	7.954	7.863	7.919	7.840	7.921
1452630	at	Trem1l	AK017256	Mm.90177	17	7.856	7.532	7.834	7.913	7.794	7.663	7.794	7.723	7.602	7.509	7.728	7.328	7.701	7.580	7.761	7.772	7.570	7.523	7.756	7.860	7.795	7.678	7.803	7.906
1452631	at	RufY2	AI852705	Mm.234158	10	4.965	5.226	4.846	5.054	5.386	4.711	4.793	5.111	5.280	5.278	4.448	5.379	5.000	4.961	4.986	4.905	5.080	4.864	4.969	4.655	5.135	5.265	4.832	4.963
1452632	at	AaA1	BG229246	Mm.221038	6	7.465	7.546	7.399	7.605	7.629	7.365	7.503	7.543	7.449	7.438	7.168	7.392	7.287	7.252	7.077	7.463	7.646	7.362	7.213	7.064	7.686	7.736	7.394	7.506
1452633	s at	AaA1	BG229246	Mm.221038	6	8.474	9.584	9.388	9.636	9.610	9.387	9.329	9.357	9.442	9.360	9.123	9.430	9.375	9.205	9.326	9.448	9.498	9.359	9.312	9.199	9.502	9.619	9.277	9.318
1452634	at	666337	BB713033	Mm.380088	7	6.219	5.927	5.944	5.947	5.993	6.141	6.028	6.121	5.892	5.892	5.995	6.048	6.028	5.935	5.886	6.121	5.984	6.019	6.156	6.009	6.170	5.947	6.013	6.146
1452635	x at	Josd3	AA044383	Mm.354115	9	5.815	5.971	5.685	5.884	5.932	5.742	5.737	5.992	6.348	6.237	5.942	6.201	5.975	6.173	5.905	5.716	5.958	5.940	5.761	5.502	5.773	5.689	5.882	5.745
1452636	x at	Gtpb5	BC028518	Mm.219658	2	8.091	8.007	7.992	8.256	8.010	8.229	8.093	7.983	7.908	7.762	7.954	7.849	7.888	7.907	7.940	8.142	8.349	8.418	8.322	8.357	8.146	8.040	8.213	8.177
1452637	x at	Bola1	BC027558	Mm.104531	3	8.295	8.410	8.282	8.237	8.402	8.427	8.407	8.641	8.257	8.153	8.222	8.374	8.306	8.112	8.157	8.263	8.968	8.956	8.630	8.662	8.751	8.757	8.862	8.193
1452638	s at	Dnm1l	BC027538	Mm.218820	16	5.910	6.200	5.934	5.958	5.754	6.117	5.873	5.994	5.711	5.978	5.961	5.914	5.622	5.915	6.223	6.195	6.064	5.795	6.207	6.107	5.670	5.796	6.221	6.251
1452639	at	Enop4	BG920295	Mm.255971	17	8.162	8.181	8.380	8.273	8.838	8.242	8.280	8.078	8.067	8.190	7.901	8.322	8.166	8.164	8.402	8.290	8.501	8.265	8.351	8.390	8.384	8.515	8.374	8.393
1452640	at	3110007F17Rik	AK014019	Mm.292979	X	4.500	4.293	4.546	4.455	4.509	4.466	4.534	4.548	4.345	4.314	4.335	4.636	4.836	4.826	4.422	4.543	4.510	4.585	4.457	4.721	4.426	4.319	4.483	4.470
1452641	at	Yiefn3	BC029663	Mm.252521	8	8.771	8.264	8.673	8.592	8.434	8.534	8.430	8.722	8.266	8.116	8.459	8.466	8.220	8.428	8.358	8.750	8.791	8.776	8.707	7.749	8.743	8.545	8.603	8.355
1452642	at	NA	BE372017	NA	NA	6.841	6.669	6.306	6.550	6.527	6.562	6.529	6.735	6.221	6.457	6.516	6.360	6.230	6.320	6.556	6.375	6.868	6.698	6.611	7.044	6.790	6.658	6.677	6.552
1452643	at	Grlh2	AF411213	Mm.244612	15	6.972	6.929	6.834	7.130	6.991	6.854	6.967	7.104	7.148	6.961	6.951	7.007	7.106	6.963	6.974	6.949	7.115	6.875	7.075	7.064	7.029	7.001	6.971	6.934
1452644	at	Mbd3l2	BG083854	Mm.17563	9	5.578	5.314	5.333	5.380	5.363	5.296	5.397	5.460	5.332	5.347	5.362	5.295	5.464	5.406	5.213	5.477	5.308	5.416	5.383	5.615	5.320	5.290	5.577	5.244
1452645	x at	Klra1	AF419250	Mm.24399	6	4.091	3.799	4.166	3.896	3.982	3.972	4.183	3.971	3.909	3.814	3.936	3.956	3.962	3.948	4.071	4.122	4.281	4.055	4.098	4.280	4.260	4.237	4.077	4.027
1452646	at	Trp53inp2	AK003956	Mm.293605	2	13.154	13.055	12.121	13.308	13.513	13.379	13.193	12.782	12.650	13.029	13.030	13.115	13.053	12.834	13.200	13.311	13.058	13.411	13.597	13.636	12.602	12.809	13.412	13.598
1452647	a at	DnH2	AK011199	Mm.13823	4	6.787	7.111	6.736	6.859	6.865	6.876	6.777	6.842	6.871	6.758	7.034	6.787	6.665	6.994	6.801	6.641	6.911	6.989	7.053	7.079	6.712	6.763	6.858	6.533
1452648	at	Tbrn1	AK010925	Mm.28689	9	10.018	10.779	10.165	10.072	10.324	10.190	10.133	10.151	10.814	10.598	10.397	10.342	10.490	10.666	10.345	10.060	10.063	10.223	10.169	10.073	10.010	9.951	10.043	9.999
1452649	at	Rtn4	AK003859	Mm.192580	11	12.830	14.054	12.876	12.732	13.706	13.014	12.885	13.174	14.169	14.065	13.760	13.810	13.819	14.040	13.633	12.751	12.201	12.350	12.882	12.263	12.248	12.423	12.492	12.270
1452650	at	Trim62	AK018173	Mm.30653	4	4.466	4.399	4.654	4.417	4.474	4.620	4.439	4.460	4.480	4.453	4.515	4.537	4.536	4.589	4.606	4.373	4.397	4.463	4.579	4.531	4.383	4.282	4.476	4.400
1452651	a at	Myl1	AK003182	Mm.1000	1	10.159	10.548	10.005	9.647	11.099	11.081	11.057	11.060	8.705	8.935	8.945	12.067	11.189	9.748	10.617	10.002	9.358	10.057	8.812	9.359	8.750	9.386	9.650	9.156
1452652	at	Tmem158	BE981853	Mm.8569	9	7.733	7.578	7.665	7.678	7.655	7.657	7.621	7.606	7.838	7.565	7.731	7.632	7.577	7.639	7.554	7.606	7.707	7.659	7.720	7.542	7.539	7.553	7.588	7.666
1452653	at	Slc25a22	AK018760	Mm.33729	7	10.569	10.268	10.503	10.658	10.285	10.625	10.666	10.112	10.133	10.144	10.198	10.240	10.317	10.416	10.345	10.513	10.535	10.908	11.394	10.994	10.638	10.334	10.530	10.708
1452654	at	Zdhnc2	BB224658	Mm.34326	8	6.751	7.705	6.320	6.622	7.707	6.808	6.867	7.290	8.073	8.043	7.044	7.768	8.202	7.215	7.536	6.613	6.879	6.860	6.778	6.746	6.824	6.807	6.776	6.692
1452655	at	Zdhnc2	Mm.224658	Mm.34326	8	6.751	7.705	6.320	6.622	7.707	6.808	6.867	7.290	8.073	8.043	7.044	7.768	8.202	7.215	7.536	6.613	6.879	6.860	6.778	6.746	6.824	6.807	6.776	6.692
1452656	at	Zdhnc2	Mm.224658	Mm.34326	8	6.751	7.705	6.320	6.622	7.707	6.808	6.867	7.290	8.073	8.043	7.044	7.768	8.202	7.215	7.536	6.613	6.879	6.860	6.778	6.746	6.824	6.807	6.776	6.692
1452657	at	Ap1s2	AK005223	Mm.426783	X	10.955	11.142	10.877	11.024	11.366	11.119	11.288	10.981	11.176	11.552	11.236	11.034	11.248	11.262	11.205	10.776	10.565	10.418	10.969	10.556	10.840	10.893	10.643	10.838
1452658	at	Krr1	AK011972	Mm.34606	10	5.511	5.939	5.879	5.729	5.583	5.593	5.791	5.886	5.668	5.693	5.794	5.653	5.502	5.806	5.868	6.193	5.857	5.793	6.023	5.620	5.815	5.769	5.642	6.042
1452659	at	Dek	AK007546	Mm.131150	13	10.831	11.118	10.666	10.683	10.812	10.837	10.968	11.283	10.602	10.783	10.857	10.685	10.684	11.104	10.799	10.572	10.756	10.678	10.733	10.771	10.751	11.173	10.753	10.601
1452660	s at	Klhl7	AK012326	Mm.273768	5	10.747	9.645	10.693	10.095	9.678	9.854	10.118	9.792	8.914	9.578	9.477	9.709	9.399	9.233	9.687	10.702	9.611	9.193	9.398	9.450	9.697	9.924	9.706	9.878
1452661	at	Tfrc	AK011596	Mm.28683	16	11.094	12.551	10.313	11.390	11.828	12.437	13.093	12.575	11.471	11.807	12.238	10.528	10.634	12.154	11.382	10.288	11.231	11.966	12.048	11.872	10.487	10.635	9.959	10.591
1452662	a at	Eif2s1	B0175028	Mm.196220	12	10.634	11.262	10.800	10.659	10.575	10.828	10.757	10.768	10.824	10.906	10.949	10.651	10.446	11.135	10.628	10.813	10.631	10.587	10.814	10.689	10.535	10.733	10.724	10.807
1452663	at	Svcl2	AK003027	Mm.281086	5	8.810	6.472	6.645	6.241	6.687	6.726	6.730	6.051	6.212	6.150	6.582	6.212	6.366	6.584	6.720	6.768	6.820	6.836	6.820	6.836	6.820	6.836	6.820	6.836
1452664	a at	Tmt7s3	AK010720	Mm.278037	6	8.459	8.804	8.527	8.621	8.918	9.082	8.745	8.639	9.010	8.993	8.102	9.075	9.117	8.837	8.813	8.609	8.811	8.865	8.839	8.731	8.512	8.592	8.481	8.437
1452665	at	Tlc72	AK012131	Mm.209503	17	7.375	7.601	7.153	7.133	7.172	7.070	7.294	7.119	7.383	7.233	7.209	7.209	7.323	7.226	7.231	7.315	7.661	7.242	7.317	7.187	7.049	7.197	7.250	7.080
1452666	a at	Tmc2	AK004359	Mm.237785	1	9.665	9.614	9.675	9.867	9.725	9.531	9.600	9.264	8.995	9.230	9.247	9.275	9.335	9.190	9.214	9.763	9.637	9.811	9.464	9.794	9.666	9.696	9.898	
1452667	at	Rab2b	AK005230	Mm.32870	14	8.550	8.612	8.433	8.438	8.628	8.422	8.468	8.479	8.896	8.896	8.306	8.753	9.029	8.593	8.702	8.397	8.609	8.549	8.562	8.403	8.520	8.806	8.441	8.481
1452668	x at	Rab2b	AK005230	Mm.32870	14	7.284	7.421	7.270	7.110	7.337	7.284	7.207	7.211	7.535	7.461	7.148	7.495	7.544	7.287	7.284	7.277	7.166	7.148	7.284	7.133	7.360	7.352	7.223	7.323
1452669	at	2810012G03Rik	AK012724	Mm.29424	18	9.175																							

1452718	at	Ubr5	BG073486	Mm.275426	15	11.347	11.314	11.533	11.554	11.610	11.533	11.381	11.042	11.161	11.324	11.247	11.432	11.309	11.416	11.646	11.850	11.168	11.277	11.278	11.042	11.850	11.391	11.547	
1452719	at	Dbhnc24	BB271151	Mm.36885	19	7.034	7.161	7.201	6.973	7.131	7.222	7.157	6.747	7.056	7.415	6.963	6.934	7.396	7.256	7.488	7.019	6.647	7.065	7.230	7.235	6.659	6.626	6.903	7.013
1452720	a at	Filp11	BM199874	Mm.272468	5	8.592	9.018	8.646	8.578	8.512	8.454	8.346	8.760	8.758	8.749	8.651	8.617	8.582	8.621	8.629	8.515	8.653	8.495	8.181	8.104	8.555	8.779	8.533	8.677
1452721	a at	Ccd5c3	BM210204	Mm.208465	10	9.128	9.423	9.050	9.047	9.314	9.066	8.963	8.990	9.661	9.220	9.964	9.365	9.464	9.172	9.027	8.959	9.936	9.431	9.178	9.004	9.666	9.975	9.867	8.972
1452722	a at	Cul5	BE4702110	Mm.219810	9	7.576	7.877	7.203	7.472	7.171	7.481	7.314	8.127	7.628	7.352	7.628	7.241	7.076	7.249	7.098	8.160	7.480	7.467	7.214	7.914	7.467	7.375	7.087	
1452723	a at	AW488885	Mm.291595	19	6.420	6.059	6.082	6.308	6.072	6.200	6.139	6.269	6.031	6.095	6.385	6.000	6.146	6.258	6.303	6.349	6.220	6.202	6.146	6.436	6.234	6.190	6.298	6.514	
1452724	at	Pdp116a	AK013817	Mm.322901	15	8.680	9.204	8.637	9.013	8.893	8.756	8.724	8.885	8.975	8.880	8.874	9.050	9.065	8.848	8.777	8.777	8.846	8.951	8.865	9.045	8.974	8.855	8.086	8.672
1452725	a at	Rnasen2a	AK010292	Mm.182470	8	8.568	9.059	8.572	8.523	8.663	9.115	8.973	8.098	8.331	8.501	8.546	8.478	8.316	8.662	8.767	8.699	8.799	9.114	9.070	9.090	8.694	8.546	8.951	8.913
1452726	a at	Phi1d1	AK016797	Mm.181689	7	9.824	10.183	9.691	10.023	10.114	10.008	10.000	9.648	9.962	10.021	9.846	10.018	8.985	9.979	9.845	9.738	9.793	9.973	9.930	9.898	9.843	9.728	9.761	9.771
1452727	at	R3hdm2	AK004884	Mm.29342	10	10.603	9.758	10.293	10.344	10.383	10.167	10.311	10.444	9.734	9.907	10.049	10.266	10.272	9.585	10.119	10.395	10.654	10.537	10.281	10.360	10.520	10.715	10.427	10.369
1452728	at	Kirrel3	AK005197	Mm.220710	9	5.418	5.206	5.368	5.317	5.336	5.491	5.377	5.494	5.401	5.270	5.491	5.362	5.374	5.347	5.476	5.389	5.389	5.569	5.428	5.391	5.416	5.289	5.391	5.364
1452729	at	Dpm3	BE446919	Mm.272927	3	6.960	6.918	6.973	6.940	7.062	6.962	7.084	7.186	7.371	7.143	7.255	7.048	7.203	7.077	7.036	7.054	7.136	7.404	7.042	7.104	7.230	7.185	6.967	7.023
1452730	at	Rps4v2	AK004068	Mm.391542	6	7.596	8.827	7.413	8.015	8.737	8.168	7.932	9.255	9.055	8.593	8.533	8.120	8.638	8.317	8.236	7.434	9.809	8.894	8.630	8.788	9.088	9.359	8.143	8.212
1452731	x at	BM195USG000000	MM195235	Mm.432066	14	8.534	9.047	8.764	8.611	8.699	8.895	8.953	8.945	8.872	8.754	9.201	9.220	8.923	9.343	8.778	8.797	8.548	8.295	8.142	8.294	8.352	9.197	8.985	8.766
1452732	at	Asprv1	AK004007	Mm.183043	6	7.081	6.604	7.055	7.028	6.862	6.856	6.819	6.728	6.841	6.696	6.861	6.562	6.843	6.836	6.849	7.001	6.793	6.712	6.789	7.092	6.871	6.451	6.782	6.862
1452733	at	Rnf24	BG068794	Mm.101264	2	8.372	8.118	8.395	8.454	8.470	8.564	8.494	8.280	8.053	8.324	8.086	8.432	8.468	8.206	8.496	8.450	8.349	8.336	8.470	8.278	8.369	8.720	8.421	8.661
1452734	at	Rnasen2a	BI410170	Mm.426736	17	12.891	13.012	12.910	13.157	12.744	12.942	12.663	13.031	12.668	12.577	12.945	12.799	12.866	12.855	12.672	12.955	13.040	12.891	12.719	12.739	12.984	12.866	12.600	12.562
1452735	at	Pcnp	BG067396	Mm.106422	16	10.212	10.541	10.716	10.667	10.123	10.778	10.257	9.925	10.040	10.233	10.028	10.018	10.058	10.636	10.252	10.746	10.170	9.975	10.246	10.384	9.881	9.696	10.356	10.560
1452736	at	R3hcc1	AK006177	Mm.27738	14	8.616	9.625	8.688	8.712	9.307	8.789	8.705	8.696	9.315	9.346	8.999	9.581	9.240	8.991	8.849	8.864	8.854	9.103	9.140	8.924	8.624	8.530	8.464	8.505
1452737	at	Z810008BM24Rik	AK012692	Mm.29464	13	10.422	11.079	10.564	10.523	10.635	10.704	10.627	10.850	10.995	10.205	10.724	10.869	10.939	11.198	10.681	10.467	10.503	10.474	10.503	10.430	10.548	10.762	10.630	10.486
1452738	at	Stom1l	AK007508	Mm.216502	9	7.413	7.708	7.571	7.660	7.739	7.884	7.442	7.575	7.698	7.726	7.999	8.106	8.007	7.638	7.763	7.555	7.837	8.045	7.878	7.688	7.521	7.659	7.420	7.403
1452739	at	Fbxo7	AK010499	Mm.44236	10	9.218	9.276	9.387	9.432	9.354	9.464	9.338	9.117	9.196	9.138	9.188	9.146	9.232	9.248	9.295	9.325	9.282	9.322	9.388	9.437	9.254	9.117	9.501	9.511
1452740	at	Mvh10	B0176159	Mm.218233	11	10.660	10.953	10.697	10.420	11.425	10.846	10.501	11.191	11.631	11.684	11.875	11.507	11.457	11.075	11.385	10.830	10.356	10.514	10.364	10.258	10.346	10.410	10.184	10.352
1452741	s at	Gpd2	B0175968	Mm.3711	2	6.937	7.158	6.827	6.935	7.176	7.086	7.056	7.082	6.996	7.259	7.377	7.029	6.989	7.062	6.880	7.048	7.074	7.326	6.977	7.041	7.117	6.960	7.228	7.024
1452742	at	Trak1	BB010301	Mm.305318	9	7.592	7.833	7.302	7.513	7.785	7.479	7.687	7.695	7.983	7.947	7.832	7.515	7.709	7.950	7.531	7.733	7.159	7.257	7.488	7.634	7.338	7.135	7.273	7.898
1452743	at	Pole3	AK007693	Mm.27444	4	10.124	10.391	10.168	10.083	10.267	10.069	10.101	10.096	10.098	10.209	10.037	9.984	10.112	10.247	10.092	10.283	10.051	9.998	10.117	9.985	10.007	9.954	9.979	10.028
1452744	at	Z11216F16Rik	AK014623	Mm.27447	13	8.746	8.754	8.911	8.817	8.942	8.717	8.561	8.942	8.266	8.845	8.942	8.845	8.206	8.816	8.845	8.206	8.816	8.845	8.206	8.816	8.845	8.206	8.816	8.206
1452745	at	Rps29c	AK007766	Mm.158902	12	7.806	8.723	8.972	8.840	8.965	8.755	8.446	8.967	8.638	8.922	8.709	8.637	8.928	8.922	8.709	8.637	8.928	8.922	8.709	8.637	8.928	8.922	8.709	8.637
1452746	at	Atp13a2	BM944122	Mm.205625	4	10.135	10.568	10.046	10.299	10.294	10.027	9.994	10.048	10.703	10.438	10.045	10.362	10.314	10.421	10.103	10.145	10.107	10.099	10.135	10.035	10.086	10.117	10.048	9.871
1452747	at	Atp13a2	BM944122	Mm.205625	4	7.228	7.345	7.324	7.427	7.344	7.303	7.278	7.364	7.105	7.378	7.325	7.358	7.478	7.321	7.337	7.416	7.302	7.139	7.396	7.406	7.357	7.255	7.255	7.531
1452748	at	Xrcc3	AW537713	Mm.19082	12	7.085	7.015	6.971	7.010	6.949	6.912	6.849	6.910	7.264	6.950	6.924	6.905	6.992	6.955	6.950	6.907	7.006	6.815	7.057	6.985	7.084	6.777	6.847	6.738
1452749	at	Pand1	AK011546	Mm.49826	18	9.525	9.834	9.735	9.636	9.624	9.954	9.702	9.476	9.582	9.798	9.687	9.599	9.540	9.842	9.670	9.709	9.443	9.557	9.713	9.626	9.435	9.522	9.609	9.780
1452750	at	ES30601H04Rik	BB28046	Mm.242968	X	5.918	6.617	5.960	6.311	6.517	6.158	6.201	6.383	6.752	6.597	6.315	6.513	6.803	6.538	6.721	5.884	6.476	6.346	6.421	6.084	6.252	6.603	5.971	6.071
1452751	at	Hbb	AK014058	Mm.258708	7	7.542	7.538	7.572	7.615	7.561	7.328	7.451	7.954	7.510	7.607	7.429	8.002	7.928	7.723	7.712	7.303	7.670	7.666	7.577	7.508	7.469	8.022	7.197	7.465
1452752	at	Hm10a1	BM216806	Mm.216806	3	7.535	7.707	7.629	7.453	7.230	7.529	7.538	7.502	7.627	7.937	7.975	7.388	8.293	7.586	7.552	7.586	7.552	7.586	7.552	7.586	7.552	7.586	7.552	7.586
1452753	at	Foxk2	BM206907	Mm.209750	11	8.950	9.347	8.969	8.859	8.951	8.884	8.817	9.116	9.208	9.285	9.250	8.945	8.981	9.215	8.812	8.946	8.701	8.824	8.699	8.792	8.725	8.812	9.035	9.085
1452754	at	Crelid2	AK017880	Mm.292567	15	9.557	10.668	9.311	9.452	9.334	9.186	9.280	9.435	10.041	10.248	10.158	9.824	9.996	10.279	9.488	9.198	9.399	9.507	9.051	9.266	9.855	9.777	9.605	9.591
1452755	at	NA	AK004057	NA	NA	7.634	7.388	7.708	7.744	7.477	7.528	7.583	7.504	7.495	7.570	7.256	7.496	7.415	7.528	7.566	7.690	7.725	7.537	7.676	7.594	7.805	7.519	7.652	7.676
1452756	at	Rnf215	C77903	Mm.240586	11	8.813	9.007	8.727	8.964	9.017	8.802	8.549	8.974	9.311	9.018	8.686	9.349	9.307	8.756	9.055	8.666	8.971	8.989	8.774	8.800	8.998	9.008	8.852	8.614
1452757	s at	Hba-a1	AK011116	Mm.196110	11	13.155	13.051	13.670	13.197	13.457	12.790	12.934	14.122	14.269	14.152	14.086	12.926	13.126	14.237	13.670	13.559	14.064	14.207	13.459	13.519	14.124	14.064	13.443	13.205
1452758	s at	Erf1a2	AU015377	Mm.																									

1452807	s	at	1500016O10Rik	AK005271	Mm.440393	7	6.439	6.661	5.975	6.597	6.609	6.439	6.329	6.857	6.385	6.577	6.543	6.834	6.485	6.211	6.480	5.976	7.097	6.636	6.372	6.373	6.794	7.281	6.530	6.541	
1452808	at		Snuup	AK002717	Mm.220984	9	9.497	9.478	9.706	9.558	9.327	9.596	9.610	9.362	9.352	9.358	9.412	9.407	9.261	9.542	9.439	9.725	9.471	9.550	9.721	9.598	9.468	9.470	9.761	9.718	
1452809	at		9030607L17Rik	AK018541	Mm.35802	10	7.449	7.420	7.534	7.495	7.445	7.587	7.290	7.445	7.632	7.436	7.173	7.468	7.505	7.566	7.340	7.447	7.451	7.290	7.444	7.328	7.224	7.293	7.389	7.457	
1452810	at		Ints10	AK014939	Mm.252421	8	8.174	8.459	8.433	8.297	8.405	8.148	8.248	8.192	8.252	8.310	8.221	8.300	8.157	8.570	8.320	8.553	8.301	8.224	8.129	8.184	8.064	8.375	8.205	8.130	
1452811	at		AB399610	Mm.280210	1	7.575	8.081	7.517	7.039	7.925	7.810	7.641	7.814	7.891	7.463	7.780	7.814	7.764	8.077	7.722	7.815	7.988	7.767	7.723	7.947	7.988	7.767	7.723	7.947	7.680	
1452812	at		Lphn1	AA987131	Mm.260733	8	8.334	8.090	8.131	8.218	8.071	8.212	7.979	8.271	8.240	8.154	8.217	8.533	8.240	8.474	8.083	8.230	8.144	8.339	8.120	8.055	8.086	8.147	8.368	8.129	8.215
1452813	a	t	Mmem188	AK017198	Mm.216574	8	11.099	11.186	11.037	11.129	11.053	11.043	11.104	11.151	11.142	11.104	10.979	11.106	11.126	11.042	10.980	11.025	11.290	11.139	11.123	11.085	11.284	11.232	11.119	11.088	
1452814	at		Cpne3	BM213277	Mm.38390	4	9.576	10.049	9.516	9.528	9.692	9.798	9.584	9.646	9.858	9.980	9.416	9.961	9.899	9.701	9.874	9.572	9.617	9.602	9.771	9.619	9.610	9.685	9.718	9.596	
1452815	at		P2rv10	AK020001	Mm.74639	X	4.021	4.153	4.100	4.051	4.059	4.310	4.115	3.928	3.914	4.051	3.300	3.880	4.118	4.240	3.993	4.055	3.807	3.916	3.888	4.025	4.018	3.952	3.870	3.935	
1452816	at		Mfl1ip	BB667813	Mm.22108	8	6.078	6.144	5.931	6.079	6.292	6.151	6.128	6.110	6.316	6.265	6.280	6.211	6.096	6.695	6.195	5.971	6.099	6.051	6.190	6.038	6.028	5.946	5.788	5.847	
1452817	at		Smyd3	AK010447	Mm.222338	1	7.049	7.030	7.007	7.014	6.982	7.025	6.988	6.984	6.925	6.954	6.988	6.868	7.163	6.997	7.028	7.058	7.225	7.284	7.205	7.352	7.176	6.986	7.084	7.250	
1452818	at		Tf12	BB283807	Mm.270961	3	6.715	7.163	6.757	6.697	6.952	6.457	6.448	6.710	7.053	6.913	7.146	7.019	6.847	7.080	6.772	6.564	6.786	6.761	6.891	6.567	6.754	6.920	6.657	6.641	
1452819	s	at	Lph2	BE945410	Mm.273631	5	5.673	5.526	5.590	5.722	5.746	6.002	5.900	5.615	5.528	5.484	5.864	5.828	5.636	5.625	5.772	5.777	5.830	5.794	5.799	5.871	5.544	5.540	5.615	5.616	
1452820	at		Brwd2	AK013701	Mm.229323	7	10.159	10.144	10.295	10.355	10.446	10.426	10.303	9.922	10.421	10.520	10.117	10.545	10.358	10.550	10.474	10.318	10.115	10.304	10.472	10.394	10.235	10.226	10.401	10.357	
1452821	at		T1a1	AK020218	Mm.242072	7	8.533	8.379	8.477	8.846	8.167	8.588	9.072	7.922	7.798	8.444	7.701	7.731	7.910	7.936	8.512	8.394	8.439	8.982	9.177	9.363	8.711	8.512	9.190	9.303	
1452822	at		Ints7	BB457797	Mm.338175	1	7.672	7.301	7.542	7.656	7.592	7.545	7.769	7.731	7.626	7.748	7.714	7.325	7.493	7.683	7.528	7.555	7.644	7.709	7.664	7.840	7.828	7.636	7.805	7.710	
1452823	at		Gstk1	AK002661	Mm.267014	6	11.760	10.719	11.882	11.425	10.336	11.250	11.319	10.880	9.751	9.970	10.377	10.464	10.093	10.070	10.544	11.856	11.645	11.860	11.541	11.518	11.541	11.467	11.232	11.330	
1452824	at		D1Bwn0212e	BG918881	Mm.259421	1	5.264	5.408	5.517	5.556	5.404	5.501	5.435	5.091	5.260	5.400	5.507	5.316	5.306	5.454	5.300	5.520	5.429	5.094	5.571	5.445	5.390	5.519	5.460	5.511	
1452825	at		Tmem59l	AK005155	Mm.23002	8	8.012	7.388	7.822	7.831	7.742	7.475	7.830	7.845	7.820	7.848	7.990	7.609	8.000	7.986	7.868	7.939	7.833	7.730	7.930	7.972	7.864	7.858	7.876	7.856	
1452826	s	at	Fbw2	AK012109	Mm.213550	11	8.633	8.469	8.205	8.245	8.360	7.974	8.121	8.747	8.627	8.491	9.041	8.713	8.618	8.314	8.703	8.264	7.747	8.022	7.766	8.091	8.245	8.239	8.764	8.167	
1452827	at		Mmem09C09Rik	AK005178	Mm.23023	15	6.677	6.411	6.531	6.556	6.520	6.441	6.547	6.782	6.521	6.439	6.625	6.456	6.599	6.658	6.445	6.549	6.617	6.322	6.521	6.609	6.708	6.526	6.391	6.623	
1452828	at		Fbxo2	BG076338	Mm.21912	5	9.833	9.904	9.887	10.287	10.131	10.391	10.022	9.906	9.550	9.812	9.541	10.094	10.047	9.849	10.077	9.919	10.595	10.696	10.700	10.488	10.093	10.205	10.141	10.051	
1452829	at		Cad	AK010453	Mm.305535	5	8.245	8.722	8.095	8.239	8.392	8.386	8.294	8.425	8.302	8.242	8.391	8.272	8.280	8.534	8.192	8.086	8.616	8.782	8.445	8.450	8.500	8.433	8.382	8.209	
1452830	s	at	Cad	AK010453	Mm.305535	5	7.872	8.597	7.605	7.827	7.990	7.841	7.803	8.126	8.077	7.701	7.832	7.678	7.636	8.150	7.639	7.661	8.124	8.166	8.092	7.699	7.707	7.866	7.496	7.421	
1452831	at		Pnat	AV305746	Mm.202337	5	8.288	8.413	8.587	8.439	8.303	9.096	8.839	7.579	7.610	7.990	7.933	8.039	7.893	8.517	8.317	8.596	8.195	8.699	8.887	9.008	8.289	8.126	8.618	8.556	
1452832	s	at	Cds2	BG296584	Mm.284503	2	10.411	10.409	10.757	10.737	11.067	10.623	10.259	10.384	10.371	10.366	10.299	10.619	10.449	10.306	10.705	10.645	10.825	10.683	10.507	10.523	10.827	10.723	10.937	10.945	
1452833	at		Alc	AK001903	Mm.261038	10	10.633	10.333	10.795	10.797	10.623	10.873	10.579	10.886	10.111	10.670	10.415	10.370	10.115	10.570	10.115	10.570	10.115	10.570	10.115	10.570	10.115	10.570	10.115	10.570	
1452834	at		2600010E01Rik	AK011178	Mm.24138	7	6.985	7.294	6.268	7.414	7.416	7.312	7.447	7.569	7.477	7.495	7.352	7.679	7.615	7.352	7.022	7.277	7.504	7.270	7.504	7.270	7.504	7.270	7.504	7.270	
1452835	a	t	Polrmt	AK003792	Mm.39001	10	9.723	9.564	9.573	9.766	9.682	9.571	9.596	9.600	9.259	9.327	9.299	9.522	9.573	9.359	9.466	9.683	10.087	9.844	9.646	9.782	9.785	9.763	9.522	9.554	
1452836	at		Lpin2	AK021389	Mm.227924	17	9.295	9.632	9.270	9.164	9.656	9.172	9.196	9.271	9.649	9.598	9.288	9.365	9.370	9.502	9.383	9.309	8.738	9.227	9.121	8.768	9.175	9.258	9.394	9.348	
1452837	at		Lpin2	AK021389	Mm.227924	17	7.779	8.274	7.628	7.652	8.233	7.446	7.547	7.660	8.157	7.755	7.743	7.870	7.741	7.629	7.562	7.553	7.500	7.697	7.538	7.138	7.646	7.899	7.736	7.685	
1452838	at		Ddx10	AK019495	Mm.133560	9	7.743	7.853	7.693	7.552	7.770	7.750	7.786	7.689	7.644	7.684	7.870	7.755	7.852	7.870	7.764	7.802	7.849	7.711	7.973	7.818	7.609	7.791	7.937	7.759	
1452839	at		Dph5	AK010475	Mm.5915	3	8.626	9.646	8.527	8.395	8.630	8.688	8.953	9.025	8.849	8.985	9.544	8.548	8.568	9.401	8.562	8.507	8.849	9.002	9.032	8.517	8.921	8.800	8.616	8.586	
1452840	at		1500009L16Rik	AV216011	Mm.271188	10	7.333	7.894	7.214	6.444	8.041	7.281	7.359	8.505	8.491	7.790	8.097	8.393	8.074	7.529	8.540	7.089	7.071	7.367	6.718	6.905	7.426	7.636	7.249	7.555	
1452841	at		Fbxo1	BG005933	Mm.440534	2	6.378	6.949	6.245	6.345	6.208	6.257	6.270	6.371	6.263	6.320	6.483	6.197	6.270	6.282	7.245	6.214	6.235	6.035	6.285	6.585	6.585	6.585	6.585		
1452842	at		Hsb9b	AK005714	Mm.46175	11	4.379	4.331	4.501	4.647	4.549	4.569	4.384	4.660	4.542	4.753	4.497	4.759	4.640	4.661	4.662	4.476	4.674	4.602	4.560	4.583	4.626	4.668	4.375	4.585	
1452843	at		Il6st	AK017211	Mm.4364	13	11.365	11.609	11.515	11.639	11.632	11.645	11.458	11.176	11.471	11.717	11.579	11.546	11.571	11.698	11.515	11.615	11.473	11.441	11.515	11.465	11.283	11.367	11.542	11.578	
1452844	at		Pou6f1	AK009674	Mm.28825	15	8.746	8.505	8.583	8.822	8.758	8.582	8.604	8.727	8.572	8.670	8.652	8.578	8.674	8.500	8.761	8.700	8.692	8.713	8.714	8.679	8.527	8.561	8.522	8.648	
1452845	at		Hif1an	BB726995	Mm.145278	19	6.039	5.948	6.107	5.864	6.195	6.032	5.762	6.058	5.928	6.517	6.186	6.017	6.061	6.039	6.282	6.154	6.092	6.068	6.187	6.276	6.074	5.982	6.144	6.266	
1452846	at		Pfln4a	AK003571	Mm.295105	1	8.494	8.389	8.460	8.326	8.539	8.331	8.536	8.675	8.559	8.576	8.573	8.492	8.514	8.567	8.571	8.411									

1452896	at	Gtl3	AK011217	Mm.2080	8	8.756	9.253	8.695	8.968	9.103	8.971	8.865	9.294	9.072	8.948	8.488	9.029	9.068	8.606	8.675	9.220	8.866	8.951	9.333	9.315	8.613	8.296
1452897	at	Cdc215	AK009373	Mm.193924	13	8.672	8.769	8.465	8.517	8.804	8.605	8.526	8.615	8.948	8.942	8.762	8.569	8.965	8.620	8.658	8.523	8.891	8.665	8.546	8.473	8.825	8.584
1452898	at	Vps36	AK013045	Mm.41453	8	10.000	10.049	9.899	10.149	10.076	9.920	10.119	10.197	9.958	9.961	9.968	10.093	9.891	10.041	10.022	9.918	10.105	10.193	10.203	10.179	10.190	10.060
1452899	at	Ran	AK017440	Mm.293263	12	7.228	7.425	6.929	7.161	7.055	7.367	7.323	6.887	8.076	7.690	7.151	7.478	7.279	8.028	7.239	7.917	7.556	6.944	7.261	7.120	7.108	6.969
1452900	at	Ccr6	AK013846	Mm.27155	16	6.088	6.971	6.177	6.171	6.228	5.910	6.458	6.294	6.335	5.790	6.430	5.976	6.011	6.189	6.134	6.007	6.371	6.098	6.277	6.142	6.308	6.216
1452901	at	Ccr6b1	AK014391	Mm.466618	1	9.614	9.799	9.84	9.625	9.520	9.801	9.615	9.478	9.744	9.825	9.645	9.744	9.857	9.795	9.72	9.883	9.440	9.47	9.483	9.459	9.587	9.712
1452902	at	Dhrs13	AK011939	Mm.390342	11	7.807	7.889	7.560	7.770	7.743	7.787	7.771	7.781	7.849	7.826	7.885	7.658	7.987	7.905	7.762	7.741	7.994	7.978	8.006	7.724	7.828	7.710
1452903	at	6230427J02Rik	AK020090	Mm.76166	9	8.498	8.554	8.104	8.260	8.475	8.307	8.444	8.963	8.466	8.524	8.505	8.815	8.725	8.520	8.582	8.000	8.798	8.679	8.327	8.409	8.601	
1452904	at	1700026L06Rik	BO175881	Mm.239376	2	7.035	6.986	6.950	7.036	6.927	6.834	6.990	7.212	6.904	6.988	7.090	6.898	7.049	6.928	7.048	6.989	6.920	7.029	7.028	6.918	6.976	
1452905	at	Meq3	AV015833	Mm.289645	12	9.338	10.694	9.247	9.727	10.814	10.208	9.593	9.944	11.820	11.345	9.644	11.203	10.843	10.602	10.756	9.199	9.398	9.669	9.607	9.015	9.325	
1452906	at	Meq3	BE990468	Mm.289645	12	8.191	8.074	7.964	8.159	8.089	8.104	8.139	8.005	8.278	8.064	8.069	8.009	8.047	8.074	8.076	8.084	8.030	7.980	8.043	8.178	7.953	
1452907	at	Galc	AK010101	Mm.5120	12	6.199	7.826	6.166	7.282	6.239	6.219	6.109	6.007	8.245	7.963	6.133	7.905	6.160	6.192	5.330	6.355	7.345	7.068	6.019	7.088		
1452908	at	Dip2a	BB794700	Mm.33183	10	9.040	9.387	9.093	8.860	9.090	9.146	9.114	9.029	9.244	9.470	8.875	9.299	9.281	9.272	9.228	9.019	8.939	8.962	9.076	9.108		
1452909	at	2410127E18Rik	BB487410	Mm.277308	6	8.083	7.683	7.988	7.980	7.847	7.813	8.009	7.858	7.738	7.767	7.919	7.669	7.806	7.931	7.944	8.015	7.718	7.931	7.913	7.949		
1452910	at	Bcor	AK018370	Mm.196328	x	6.895	6.765	6.716	6.865	6.847	6.457	6.472	6.757	6.859	6.985	6.997	6.903	6.657	6.606	6.688	6.867	6.899	6.515	6.682			
1452911	at	Spred1	AK017680	Mm.245890	2	5.738	6.498	5.903	5.782	6.531	6.099	5.997	6.039	6.642	6.824	6.577	6.724	6.744	6.043	6.439	5.861	5.760	5.723	5.513	5.644		
1452912	at	Dsccl1	AK011162	Mm.277084	15	4.421	6.140	4.133	4.469	4.996	4.581	4.429	5.245	4.718	4.638	4.585	4.457	4.463	5.947	4.633	4.261	4.317	4.180	4.254			
1452913	at	Pcpd41	AV337888	Mm.475872	1	10.342	9.589	10.063	10.000	10.046	9.968	9.724	10.062	8.990	8.909	9.440	9.584	9.410	8.892	9.561	10.169	11.186	10.834	10.465			
1452914	at	2410024N18Rik	AK010587	Mm.279932	5	6.232	6.053	6.274	6.125	6.147	6.295	6.097	6.012	6.248	6.156	5.876	6.067	6.337	6.224	6.137	6.275	6.110	5.868	6.018			
1452915	at	Pkrar2a	AK004336	Mm.253102	9	11.900	12.006	11.949	12.068	11.960	12.070	12.053	11.396	11.720	11.938	11.853	11.611	11.870	12.053	11.857	12.055	11.527	11.921	12.096			
1452916	at	Wbtd7	AK011392	Mm.186868	7	8.934	9.018	8.844	9.125	9.171	8.991	9.004	8.886	8.994	9.004	9.037	9.041	9.005	8.983	9.105	8.999	9.032	9.178	8.975			
1452917	at	Rlfcs	AK011489	Mm.27997	5	7.323	8.423	7.296	7.462	7.780	7.581	7.581	7.613	7.865	7.771	7.706	7.423	7.340	8.332	7.460	7.314	7.186	7.134	7.323			
1452918	at	D19Ertd737e	AK014404	Mm.290183	19	9.796	9.802	9.587	9.525	9.463	7.784	7.886	8.876	9.377	9.477	7.753	7.965	9.565	9.647	9.358	9.577	9.586	9.573	9.571			
1452919	a at	Jaad2	W59405	Mm.28541	12	10.622	11.314	10.523	10.693	10.946	10.620	10.643	11.202	11.076	10.811	10.596	11.046	10.786	10.729	10.546	10.480	11.585	11.308	10.886			
1452920	a at	Ppil2	AK009460	Mm.253610	16	8.571	8.854	8.792	8.895	8.959	8.606	8.622	8.369	8.843	9.007	8.812	9.036	9.057	8.783	8.953	8.749	8.828	8.929	8.885			
1452921	at	Evil5l	AK006992	Mm.210436	8	8.201	8.087	8.201	8.245	8.182	8.114	8.145	8.147	8.105	8.147	8.237	8.134	8.042	8.228	8.093	8.247	8.111	8.311	8.294			
1452922	at	Ppp1r3d	Mm.277126	2	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	9.429	
1452923	at	Wbtd7	AK007894	Mm.279932	10	7.347	8.338	8.262	8.298	8.190	8.250	8.467	8.642	8.174	7.920	8.124	8.333	8.100	8.095	8.122	8.222	8.604	8.557	8.367			
1452924	at	2310007D09Rik	BF730742	Mm.85162	2	6.977	7.361	7.010	6.925	7.143	6.885	7.346	7.441	7.494	7.253	7.473	7.058	7.118	7.515	7.406	6.941	6.914	6.856				
1452925	a at	5-Mar	AK009364	Mm.175989	19	10.508	10.718	10.693	10.540	10.510	10.583	10.569	10.386	10.432	10.652	10.638	10.451	10.541	10.709	10.540	10.769	10.223	10.372	10.643			
1452926	at	Ttcl4	BM236672	Mm.275710	3	7.853	7.612	7.893	7.799	7.877	7.933	8.016	7.836	7.776	7.722	7.984	7.538	7.833	8.079	7.959	8.122	7.730	7.863	8.121			
1452927	x at	Tp1l	AV537828	Mm.4222	6	13.046	13.189	13.143	13.169	13.192	13.144	13.154	13.047	13.155	13.295	13.294	13.177	13.186	13.083	13.136	13.110	12.921	13.121	13.141			
1452928	at	Chp1	AK008928	Mm.133075	11	8.221	8.555	7.833	8.118	8.156	7.930	8.099	8.641	8.293	8.281	8.650	8.289	8.325	8.383	8.166	8.152	8.295	8.194	7.934			
1452929	at	Cln1	AK003546	Mm.241109	5	11.913	11.058	11.909	11.585	11.640	11.857	11.886	11.618	10.743	11.263	11.308	11.410	11.357	11.288	11.742	11.153	11.448	11.365				
1452930	at	AK019516	Mm.49216	2	5.506	5.356	5.325	5.999	5.152	5.589	5.336	5.121	5.330	5.254	5.150	5.490	5.353	5.520	5.426	5.412	5.925	5.467	5.480				
1452931	at	2810408M09Rik	BB772272	Mm.330785	2	7.832	7.728	7.469	7.682	7.791	7.729	7.422	7.431	7.595	7.690	7.810	7.685	7.670	7.758	7.636	7.635	7.884	7.769				
1452932	at	Zbtb7a	AK010379	Mm.20920	10	6.931	6.995	6.418	6.703	6.841	6.464	6.579	7.067	6.999	6.817	6.800	6.932	6.951	6.852	6.744	6.622	7.049	6.696				
1452933	at	Ankrd39	AK018681	Mm.247537	1	7.377	7.515	7.522	7.525	7.627	7.647	7.421	7.572	7.747	7.547	7.530	7.729	7.555	7.583	7.596	7.588	7.546	7.733				
1452934	at	Tmc5	AV226010	Mm.11068	7	6.096	5.791	6.061	6.012	5.848	5.844	6.151	6.039	5.905	6.029	6.025	5.910	5.948	6.011	6.188	6.241	6.034					
1452935	at	Krtap16-7	AK003736	Mm.46109	16	7.397	7.268	7.293	7.397	7.346	7.237	7.276	7.515	7.448	7.710	7.246	7.575	7.399	7.246	7.204	7.237	7.701					
1452936	at	Krtac1	AV341285	Mm.313558	9	5.863	5.742	5.805	5.860	5.745	5.830	5.751	5.865	5.945	5.951	5.679	5.740	5.951	5.918	5.912	5.601	5.620					
1452937	s at	Cdc22b	BM011123	Mm.4003215	4	6.117	6.004	6.060	6.222	5.983	6.263	6.365	6.380	6.515	6.380	6.515	6.380	6.515	6.380	6.515	6.380	6.515	6.380				
1452938	at	Ankrl5b	BO174247	Mm.440000	10	8.500	8.601	8.687	8.628	8.564	8.641	8.779	8.530	8.453	8.485	8.522	8.468	8.428	8.499	8.452	8.442	8.711					
1452939	a at	Pitcnc1	AI595920	Mm.397143	11	8.105	7.643	8.249	8.148	7.744	7.995	7.856	7.828	6.950	7.348	7.511	7.753	7.463	7.130	7.827	7.846	7.880					
1452940	x at	Pitcnc1	AI595920	Mm.397143	11	8.051	7.499	7.972	8.114	7.638	7.966	7.845	7.606	7.038	7.162	7.285	7.554	7.361	6.931	7.497	7.828	8.564					
1452941	at	0610038F07Rik	AV078077	Mm.180063	19	9.050	9.217	9.308	9.335	9.178	9.530	9.315	9.244	8.747	9.033	9.058	9.226	8.900	9.047	9.129	9.302	9.433					
1452942	at	Tmem65	BF383782	Mm.293754	15	12.223	11.597	12.575	12.531	12.045	12.659	12.458	11.540	11.013	11.775	11.815	11.625	11.503	11.722	12.154	12.631	12.132					
1452943	at	Tmem65	BF383782	Mm.293754	15	7.598	7.241	7.802	7.745	7.701	7.928	7.810	7.317	7.353	7.259	7.448	7										

1452985	at	Uaca	BF466442	Mm.68819	9	8.981	9.285	9.111	9.285	9.223	9.142	9.890	9.483	9.145	9.269	9.292	9.522	9.314	9.168	9.365	9.094	9.380	9.230	9.197	9.308	9.078	9.439	9.037	9.113
1452986	at	Hqd	AK002584	Mm.157442	16	6.822	6.814	6.957	6.805	6.737	6.791	7.012	6.651	6.606	6.548	6.784	6.661	6.686	6.741	7.022	6.904	6.746	6.905	6.943	7.128	6.801	6.575	6.766	6.968
1452987	at	Josd3	AV167760	Mm.354115	9	5.131	5.307	4.908	4.765	4.865	5.160	4.822	4.880	4.957	4.953	5.146	4.772	4.924	4.941	4.876	4.858	4.470	4.706	4.898	4.881	4.997	5.013	4.840	4.914
1452988	at	Z610306M01Rik	AK011997	Mm.119489	6	8.498	8.885	8.347	8.498	8.691	8.345	8.532	8.592	8.510	8.483	8.369	8.516	8.542	8.298	8.383	8.353	8.692	8.175	8.650	8.664	8.919	8.887	8.447	8.268
1452989	at	Z990009J20Rik	BB315951	Mm.393972	12	8.655	8.183	8.463	8.570	8.582	8.351	8.453	8.273	7.986	8.591	8.377	8.702	8.538	8.131	8.640	8.677	8.611	8.730	8.635	8.498	8.648	8.687	8.538	8.621
1452990	at	Mf1	AV316320	Mm.272397	4	6.513	6.347	6.412	6.490	6.436	6.393	6.480	6.588	6.437	6.370	6.450	6.465	6.399	6.435	6.335	6.347	6.344	6.430	6.448	6.448	6.373	6.420	6.493	6.348
1452991	at	Chd2	BB211667	Mm.34539	7	7.020	6.841	7.186	6.856	6.854	6.972	7.035	6.838	6.601	6.672	6.385	6.762	6.666	6.684	6.891	6.988	6.922	6.935	6.674	7.033	6.788	6.777	7.442	7.027
1452992	at	Cdc26	AK008199	Mm.109930	4	7.048	7.228	6.972	7.000	7.569	7.054	7.206	6.929	6.999	7.010	7.050	7.285	7.205	7.317	6.963	6.934	7.173	7.397	7.325	7.168	7.341	7.516	7.035	7.069
1452993	at	5430416O09Rik	AK017317	Mm.33063	4	7.461	7.186	7.421	7.496	7.599	7.423	7.506	7.892	7.345	7.045	7.353	7.452	7.426	7.251	7.572	7.454	8.028	7.673	7.858	7.857	7.945	7.911	7.412	7.605
1452994	at	Pip5k3	AK017225	Mm.38370	1	8.256	8.593	8.518	8.557	8.590	8.685	8.608	8.005	8.473	8.802	8.296	8.469	8.605	8.660	8.541	8.626	7.697	8.198	8.324	8.084	7.936	8.081	8.374	8.392
1452995	at	Nudt17	AK019109	Mm.423186	3	6.906	6.914	6.870	6.766	6.707	6.985	6.862	6.976	6.899	6.726	6.585	6.882	6.583	6.836	6.895	7.008	7.159	7.196	7.022	6.919	7.268	6.921	6.909	6.682
1452996	a	Rvr3	BG070815	Mm.315125	2	9.517	9.691	9.400	9.582	9.579	9.320	9.323	9.455	9.495	9.517	9.313	9.426	9.466	9.422	9.288	9.464	9.848	9.657	9.588	9.469	9.842	9.947	9.540	9.553
1452997	at	6820431F20Rik	BE692399	Mm.157360	8	10.548	10.940	11.110	11.276	11.275	11.543	10.596	11.052	11.403	11.578	11.283	11.056	11.310	10.733	11.529	11.012	11.163	11.041	11.178	11.371	11.194	11.443	11.421	11.438
1452998	at	Tmem167b	AK008415	Mm.32615	3	4.954	4.587	4.771	4.805	4.402	4.558	4.856	4.491	4.756	4.593	4.802	4.740	4.898	4.795	4.652	4.915	4.478	4.914	4.787	5.000	4.964	4.789	4.940	4.583
1452999	at	Smndc1	BG071121	Mm.313687	19	9.381	9.364	9.295	9.245	9.160	9.120	9.180	9.458	9.205	9.347	9.353	9.229	9.178	9.271	9.243	9.324	9.295	9.045	9.068	9.094	9.262	9.374	9.293	9.383
1453000	at	Camsap11	AK005444	Mm.144143	1	8.718	8.548	8.690	8.664	8.734	8.623	8.649	8.633	8.671	9.053	8.985	8.666	8.738	8.772	9.070	8.644	8.515	8.513	8.698	8.727	8.567	8.610	9.020	8.946
1453001	at	Rnaseh2b	AU017373	Mm.26040	14	9.645	10.130	9.510	9.731	9.932	9.893	9.777	9.836	9.977	9.742	9.809	9.978	9.868	10.035	9.727	9.520	10.121	9.834	9.908	9.865	10.100	10.223	9.842	9.730
1453002	at	Sox11	BE825056	Mm.41702	12	6.287	6.155	6.284	6.290	6.403	6.322	6.241	6.625	6.363	6.144	6.338	6.165	6.204	6.462	6.272	6.181	6.498	6.405	6.523	6.667	6.253	6.620	6.162	6.347
1453003	at	Sox1	AK013519	Mm.121920	9	6.751	7.836	6.618	6.641	8.990	7.729	8.069	7.893	7.905	8.251	7.839	7.487	8.081	8.081	7.271	8.330	6.879	8.497	8.263	8.137	7.950	8.438	8.303	8.405
1453004	at	Sic22a23	BM234253	Mm.23932	13	8.404	8.589	8.599	8.602	8.630	8.651	8.733	8.226	8.189	8.246	8.900	8.110	8.216	8.432	8.425	8.596	8.751	8.859	8.699	8.685	8.366	8.656	8.600	8.581
1453005	at	Prpf31	BB825316	Mm.246863	7	8.058	8.192	7.888	8.150	8.224	7.979	7.474	8.234	7.217	7.136	8.102	7.906	7.984	7.248	7.711	7.712	8.693	8.263	8.052	7.939	8.529	8.408	7.572	8.092
1453006	at	Fdrbp3	A1S05568	Mm.41674	19	5.594	5.836	5.735	5.763	6.305	6.141	5.775	5.979	5.702	5.577	5.347	5.614	5.573	5.641	5.733	5.594	6.327	6.043	5.826	5.781	5.733	5.733	5.865	5.533
1453007	at	311008217Rik	AK014271	Mm.84294	5	8.764	9.280	8.846	8.633	8.616	8.929	8.834	8.665	8.921	8.733	8.986	8.493	8.544	9.123	8.654	8.695	8.585	8.601	8.872	8.728	8.586	8.595	8.789	8.696
1453008	at	Z300002D11Rik	AK009004	Mm.151594	4	7.940	7.900	7.762	7.757	8.670	7.746	7.500	8.183	8.628	8.660	8.175	8.329	8.461	7.448	8.096	7.793	7.889	8.530	8.770	8.840	8.219	8.138	7.793	8.200
1453009	at	Cpm	AK004327	Mm.339332	10	7.549	7.723	7.567	7.351	7.779	7.491	7.160	8.022	7.766	7.777	8.247	7.291	7.397	7.947	7.568	7.636	7.390	7.223	7.065	7.298	7.349	7.728	8.179	7.890
1453010	at	Iws1	AK006925	Mm.66653	18	8.451	8.917	8.552	8.246	8.562	8.352	8.567	8.797	8.670	8.680	8.866	8.620	8.585	8.838	8.501	8.420	8.541	8.315	8.326	8.244	8.572	8.675	8.539	8.618
1453011	at	Bdnf	BK092603	Mm.35492	3	5.485	5.107	5.083	5.358	5.439	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274	5.387	5.274
1453012	at	Tsc22d2	AK017449	Mm.216409	3	6.540	6.596	6.628	6.218	6.400	6.25	6.207	6.767	6.540	6.560	6.627	6.602	6.582	6.602	6.582	6.602	6.582	6.602	6.582	6.602	6.582	6.602	6.582	6.602
1453013	at	Zfp740	AW548228	Mm.352945	15	9.026	9.033	9.164	9.371	9.167	9.261	9.149	9.018	8.917	9.170	8.899	9.039	9.073	9.077	9.275	9.350	9.326	9.304	9.332	9.374	9.121	9.080	9.211	9.413
1453014	a	Sec31a	BM222383	Mm.18634	5	10.090	10.826	10.046	10.155	10.398	10.186	9.815	10.177	10.702	10.574	10.266	10.340	10.472	10.335	10.065	10.099	10.182	10.394	10.217	10.013	10.051	10.075	9.931	9.923
1453015	at	5830471E12Rik	A1S14626	Mm.233181	8	10.833	11.286	10.847	10.670	11.154	10.685	10.556	10.909	10.570	11.419	11.223	11.285	11.444	11.296	11.107	10.723	10.306	10.378	10.403	10.095	10.561	10.811	10.892	10.556
1453016	at	Hspb11	AK013636	Mm.21787	4	8.397	8.907	7.907	8.181	8.802	8.222	8.154	8.792	9.365	9.035	8.660	8.912	8.958	8.633	8.470	7.819	8.866	8.833	8.723	8.272	8.704	8.850	8.292	8.079
1453017	at	Ankle2	BM227962	Mm.288442	5	7.430	7.568	7.588	7.640	7.646	7.596	7.438	7.180	7.495	7.494	7.356	7.614	7.490	7.452	7.601	7.504	7.531	7.506	7.479	7.344	7.525	7.399	7.706	7.569
1453018	at	Nvl	A1133460	Mm.263464	1	7.181	7.382	7.351	7.133	7.101	7.374	7.175	6.496	7.107	7.242	7.124	7.013	7.027	7.374	7.090	7.313	6.825	6.989	7.104	6.937	6.689	6.757	7.306	7.485
1453019	at	Tmem173a	AK017254	Mm.238124	7	7.039	7.156	6.779	6.602	7.032	7.201	6.979	6.230	7.339	6.967	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232	7.232
1453020	at	1810048b11Rik	AK007829	Mm.11233	12	8.410	8.615	8.257	8.342	8.368	8.419	8.335	8.405	8.523	8.378	8.276	8.527	8.432	8.498	8.441	8.139	8.396	8.418	8.376	8.352	8.120	8.303	8.223	8.235
1453021	at	Stxbp5	BM899291	Mm.331751	10	8.070	8.192	7.995	8.055	8.131	8.093	8.186	7.983	8.290	8.288	8.169	8.017	8.116	8.147	8.021	8.082	7.826	7.931	7.885	7.739	7.861	8.198	8.118	8.162
1453022	at	Gphhb1	AK003305	Mm.46367	15	10.640	10.497	10.265	10.084	10.694	10.264	10.426	11.729	10.410	10.326	11.147	11.038	10.886	10.564	10.912	10.301	11.091	11.042	10.548	10.603	11.232	11.481	10.835	10.714
1453023	at	1110004O12Rik	AK003441	Mm.247290	18	9.074	9.102	8.899	9.075	9.299	9.045	8.976	9.266	9.117	9.001	9.003	9.214	9.238	9.053	9.005	8.976	9.351	9.078	9.133	9.088	9.111	9.324	9.914	9.002
1453024	at	Wdr37	AK014128	Mm.284654	13	7.016	7.494	7.276	6.641	6.611	6.847	7.162	7.468	6.788	7.235	7.087	6.724	6.665	7.143	6.838	7.105	6.697	6.819	7.009	6.693	6.670	6.692	6.692	6.949
1453025	at	Macro2	AK011824	Mm.229466	2	7.112	7.497	7.083	7.174																				

1453074	at	Dusp23	AK004912	Mm.33024	1	7.460	7.157	7.262	7.260	7.249	7.261	7.370	7.379	7.349	6.903	7.105	7.027	7.329	7.031	6.934	7.051	7.578	7.005	7.268	7.353	7.345	7.277	7.277	
1453075	at	1600012P17Rik	AK005436	Mm.23138	1	7.354	7.113	7.354	7.465	7.188	7.345	7.402	7.302	7.256	7.224	7.392	7.172	7.326	7.315	7.337	7.259	7.303	7.293	7.264	7.271	7.367	7.214	7.414	7.409
1453076	at	Batf3	AK020278	Mm.6922	1	6.894	6.688	6.601	6.802	6.784	6.710	6.905	6.887	6.700	6.697	6.703	6.854	6.712	6.900	6.693	6.798	6.969	6.796	6.644	6.718	6.978	6.806	6.927	7.014
1453077	at	Snacp3	AK016168	Mm.271985	4	7.753	7.812	7.637	7.646	7.794	7.899	7.697	7.426	7.464	7.939	7.788	7.716	7.671	7.534	7.866	7.697	7.474	7.416	7.832	7.855	7.861	7.204	7.264	7.399
1453078	at	B430408J07Rik	AK016397	Mm.355087	X	6.902	6.562	7.151	6.750	6.796	7.310	6.813	6.650	6.214	6.520	6.227	6.609	6.542	6.571	6.813	6.759	6.832	6.870	7.113	7.065	6.984	6.927	6.839	6.713
1453079	at	SV328158	Mm.263189	18	5.525	5.257	5.526	5.526	5.359	5.470	5.449	5.034	5.388	5.298	5.149	5.281	5.325	5.451	5.172	5.262	5.394	5.389	5.172	5.262	5.394	5.617	5.361	5.222	5.613
1453080	at	Ap07a	AK018646	Mm.232636	15	4.980	5.004	4.988	4.999	4.825	4.961	5.028	4.902	4.863	4.791	4.823	4.754	4.758	4.618	4.957	4.811	4.856	4.869	4.842	4.820	4.989	4.770	4.808	4.778
1453081	at	24100221M11Rik	AA204410	Mm.297636	14	7.838	7.958	7.911	7.931	8.084	7.787	7.922	8.209	7.992	7.848	7.635	8.080	7.887	7.811	7.602	7.988	8.614	8.248	7.990	7.910	8.033	8.135	7.609	7.804
1453082	at	Tulp3	AK009482	Mm.291783	6	7.839	7.645	7.589	7.808	7.777	7.668	7.752	7.783	7.662	7.536	7.641	7.594	7.722	7.584	7.594	7.747	7.728	7.636	7.646	7.785	7.664	7.765	7.729	7.592
1453083	at	Vmn2r29	AK018294	Mm.387947	7	6.552	6.094	6.363	6.247	6.095	6.427	6.303	6.567	6.422	6.537	6.444	6.464	6.482	6.610	6.257	6.440	6.247	6.396	6.371	6.210	6.339	6.496	6.428	6.269
1453084	s at	Col22a1	AK010095	Mm.322500	15	5.657	5.062	5.531	5.320	5.545	5.474	5.461	5.530	5.260	5.466	5.433	6.464	5.780	5.422	5.686	5.475	5.381	5.236	5.557	5.283	5.789	5.341	5.404	5.418
1453085	at	Serpin1f	AK002574	Mm.20149	12	5.134	4.693	5.077	5.071	4.857	5.291	5.112	5.142	4.756	4.676	4.969	4.829	4.889	4.962	4.989	5.162	5.132	5.070	5.119	5.064	5.220	4.843	4.976	5.103
1453086	at	6330408A02Rik	AK018141	Mm.458032	7	6.223	6.472	6.456	6.533	6.514	6.508	6.373	6.508	6.460	6.423	6.372	6.569	6.373	6.395	6.508	6.309	6.619	6.729	6.594	6.458	6.683	6.580	6.409	6.631
1453087	at	6330403L08Rik	AK018107	Mm.2675	5	8.868	8.758	8.816	8.956	8.750	8.859	8.852	8.771	8.171	8.279	8.376	8.400	8.338	8.436	8.460	8.810	8.911	8.908	8.826	8.820	8.922	8.848	8.934	8.985
1453088	at	6430628N08Rik	AK018292	Mm.101606	4	6.382	6.213	6.413	6.446	6.285	6.199	6.566	6.255	6.178	6.166	6.354	6.435	6.347	6.296	6.534	6.544	6.395	6.329	6.367	6.318	6.334	6.351	6.380	6.504
1453089	at	3110079O15Rik	AA259365	Mm.7310	1	7.197	6.893	6.954	7.140	7.195	6.903	7.143	7.252	7.203	7.118	7.179	7.050	7.247	7.098	7.050	7.068	7.077	7.129	7.074	7.217	7.086	7.231	7.115	6.991
1453090	x at	Obox2	BM228792	Mm.26391	7	5.481	5.099	5.619	5.269	5.059	5.369	5.360	5.025	4.747	4.896	5.343	4.929	5.242	5.310	5.257	5.458	5.151	5.412	5.421	5.790	5.156	5.225	5.300	5.355
1453091	s at	Ltmd1	BB241583	Mm.752722	15	7.213	7.445	7.219	7.185	7.174	7.163	6.982	7.074	7.503	7.473	7.062	7.429	7.265	7.244	6.976	6.970	7.072	7.179	7.162	7.182	7.070	7.007	6.946	7.057
1453092	at	Crcr1	AK009010	Mm.35806	3	5.961	7.598	5.939	5.541	5.951	5.669	6.045	6.285	8.879	7.987	6.381	6.971	6.543	6.405	5.703	5.692	5.967	5.945	5.813	6.004	5.931	6.033	5.741	5.804
1453093	at	Rasgef1c	AK018593	Mm.258798	11	7.133	6.843	6.997	7.063	7.024	6.855	7.101	7.135	7.003	6.706	7.219	6.721	6.985	6.878	7.026	6.967	6.997	7.119	7.001	6.929	6.974	7.174	6.958	7.000
1453094	at	Foxn3	AK017346	Mm.341972	12	8.192	8.020	8.235	8.130	8.116	8.221	8.223	8.223	7.919	8.102	8.391	8.223	8.152	8.044	8.323	8.222	8.472	8.465	8.530	8.473	8.402	8.473	8.476	8.504
1453095	at	Rab10	BF465974	Mm.378993	12	12.679	12.562	12.687	12.636	12.609	12.790	12.630	12.526	12.336	12.573	12.549	12.486	12.538	12.588	12.603	12.748	12.478	12.506	12.723	12.749	12.549	12.612	12.794	12.819
1453096	x at	Rpl27	AV111459	Mm.340658	11	11.206	11.756	11.030	11.073	11.268	11.041	11.148	11.892	11.743	11.536	11.251	11.437	11.264	11.310	11.012	10.738	11.793	11.481	10.988	10.933	11.774	11.167	10.960	10.814
1453097	a at	Ubrf	AK004961	Mm.2845	11	10.140	10.038	10.289	10.300	10.136	10.157	10.250	10.044	10.197	10.196	10.033	10.167	10.143	10.055	10.147	10.290	10.130	10.083	10.063	10.137	10.119	9.968	10.388	10.260
1453098	at	Gria2	AK014389	Mm.220224	3	7.876	7.643	7.732	7.823	7.771	7.613	7.532	7.652	7.498	7.671	7.670	7.547	7.639	7.667	7.680	7.621	7.654	7.560	7.693	7.670	7.738	7.521	7.811	7.778
1453099	at	Csmk2a2	BG070990	Mm.440348	8	8.841	9.301	8.559	8.797	9.011	8.762	8.752	9.088	9.405	8.995	9.126	9.285	9.252	9.080	9.011	8.665	9.903	8.908	8.615	8.409	8.943	9.220	8.712	8.687
1453100	at	Nk	AK012907	Mm.206228	NA	4.701	4.733	4.819	4.760	4.750	4.763	4.812	4.750	4.738	4.806	4.732	4.836	4.732	4.814	4.866	4.754	4.872	4.848	4.872	4.484	4.778	4.744	4.744	4.744
1453101	at	Foxc1	AK012907	Mm.206228	7	8.607	8.669	8.532	8.425	8.765	8.781	8.693	8.693	9.005	8.934	8.967	8.729	7.765	8.654	8.934	9.444	7.776	7.654	8.600	6.696	8.626	5.546	5.776	6.837
1453102	at	Flr13	BE945486	Mm.426781	2	5.531	5.088	5.391	5.473	5.203	5.553	5.501	5.300	5.302	5.420	5.553	5.394	5.370	5.329	5.527	5.290	5.250	5.340	5.209	5.384	5.316	5.448	5.535	5.547
1453103	at	Abli1m	AK011936	Mm.217161	19	11.728	10.975	11.724	11.721	11.514	11.409	11.537	11.354	10.948	11.494	11.018	11.177	10.864	10.805	11.447	11.859	11.616	11.697	11.644	11.721	11.425	12.035	11.885	11.918
1453104	at	Mapk1	AK018549	Mm.196581	16	10.715	10.468	10.861	10.933	10.723	10.881	10.719	10.720	10.462	10.477	10.693	10.618	10.498	10.538	10.760	10.934	10.873	10.846	10.843	10.900	10.889	10.891	10.927	10.833
1453105	at	Zfp263	BG069835	Mm.29081	16	6.365	6.723	6.483	6.444	6.139	6.707	6.473	6.407	6.546	6.746	6.192	6.345	6.441	6.538	6.641	6.299	6.265	6.534	6.275	6.340	6.130	6.433	6.578	6.368
1453106	a at	Rnm1	AK015403	Mm.27544	18	8.851	8.986	8.853	8.754	8.837	8.814	8.757	8.769	8.743	8.775	8.826	8.649	8.951	8.901	8.787	8.842	8.589	8.660	8.765	8.651	8.624	8.794	8.987	8.804
1453107	s at	Pepl1	AK008037	Mm.195898	5	6.502	7.963	6.587	6.741	7.231	6.967	6.869	7.798	7.669	7.427	7.957	6.905	6.946	7.788	7.424	6.770	6.674	6.846	6.704	7.081	6.923	6.702	6.701	6.771
1453108	at	Arsk	Mm.270497	15	7.495	6.973	7.390	6.224	6.282	7.324	7.132	7.217	7.385	6.979	7.524	7.081	6.955	7.026	7.426	7.159	6.981	6.897	7.159	6.981	7.027	7.327	7.067	7.293	
1453109	at	Arsk	AK013194	Mm.196399	13	7.508	6.275	6.650	6.909	6.605	7.269	7.140	7.253	7.244	7.407	6.706	7.838	7.560	7.254	7.457	6.800	7.237	6.616	6.676	6.689	7.049	6.695	6.969	7.235
1453110	at	Wdr51b	BB667633	Mm.404656	10	6.941	7.678	7.054	7.108	7.085	7.048	7.039	7.342	7.153	7.267	7.102	7.201	7.364	7.195	7.108	6.952	7.193	7.165	7.205	7.111	7.070	7.312	7.102	7.060
1453111	a at	Slc25a39	AK019396	Mm.44226	11	10.893	11.391	10.765	10.865	10.771	10.556	10.713	11.156	11.173	10.914	10.780	11.057	10.804	11.061	10.903	10.733	11.252	11.359	11.002	11.014	11.215	11.124	10.547	10.681
1453112	a at	Lrrc18	AK006063	Mm.46115	14	8.074	7.999	7.928	8.071	8.034	8.141	8.162	8.178	7.884	7.904	8.052	8.002	7.950	7.909	8.039	8.105	8.310	8.028	8.063	8.093	8.090	8.022	8.150	8.140
1453113	at	Wdsu1	BB820363	Mm.288734	2	8.310	8.396	8.450	8.595	8.513	8.671	8.524	8.241	8.273	8.462	7.910	8.629	8.485	8.312	8.480	8.491	8.777	7.882	8.815	8.718	8.455	8.697	8.351	8.592
1453114	at	Nob9	AK014568	Mm.275803	4	7.106	7.15																						

1453163	at	Pdp1r12a	BI653999	Mm.422959	10	7.543	7.327	7.697	7.269	7.374	7.647	7.726	7.188	7.202	7.818	8.070	7.496	7.519	7.688	8.152	7.921	6.835	7.322	7.662	7.645	7.7032	7.831	7.909			
1453164	a	at	Ptdss2	AI596401	Mm.293591	7	7.773	7.782	7.887	7.925	7.777	7.857	7.748	7.723	7.817	8.070	7.912	7.784	7.867	7.840	7.823	7.631	7.540	7.748	7.678	7.683	7.508	7.738	7.698		
1453165			Mett4a	BB701076	Mm.139146	10	6.722	6.986	6.672	6.761	6.705	6.747	6.877	6.573	6.823	7.035	6.695	6.647	6.783	6.946	6.530	6.616	6.594	6.724	6.488	6.786	7.012	6.797	7.117	6.871	
1453166	at		Ccd0109a	AK008216	Mm.296470	17	9.139	9.140	9.018	9.256	9.344	9.216	9.222	9.334	9.140	9.181	9.207	9.097	9.058	9.204	9.091	9.040	9.219	9.399	9.416	9.343	9.241	9.025	9.251	9.235	
1453167	at		1700029JG24RIK	AK005952	Mm.272519	4	5.959	5.977	5.994	6.003	5.926	5.910	5.959	6.076	5.947	5.963	6.016	5.897	5.825	5.899	5.794	5.876	6.054	6.087	6.006	5.977	6.094	5.976	6.030	5.983	
1453168	at		1700029J07RIK	AK006501	Mm.422732	8	4.602	4.558	4.681	4.839	4.461	4.530	4.400	4.434	4.380	4.477	4.530	4.493	4.506	4.615	4.572	4.593	4.429	4.441	4.547	4.437	4.371	4.448	4.533	4.553	
1453169	a	at	Gf2h1k	BE6827h1	Mm.22700	7	8.960	9.336	9.091	9.236	9.208	9.105	9.140	9.192	9.423	9.501	9.332	9.412	9.332	9.288	9.229	9.111	9.844	9.069	9.211	8.972	9.075	9.169	9.168	9.229	
1453170	at		1810036N14RIK	AK005221	Mm.31537	18	6.900	7.108	6.892	6.945	6.952	6.838	6.673	7.058	6.820	6.718	6.652	7.042	6.866	6.368	6.903	6.919	7.181	7.324	6.941	6.840	7.111	7.166	6.982	6.954	
1453171	s	at	Ppm1a	C85630	Mm.261045	12	10.067	9.837	9.960	9.818	9.857	9.823	9.876	10.111	9.789	9.944	10.084	10.045	10.041	9.717	10.055	9.898	10.038	9.846	9.641	9.830	10.107	10.222	9.954	9.975	
1453172	at		Hspa13	BE533039	Mm.26704	16	8.358	8.950	8.488	8.878	8.495	8.379	8.499	8.422	8.294	8.581	8.668	8.600	8.697	8.650	8.597	8.682	8.243	8.324	8.261	8.586	8.512	8.325	8.506	8.293	8.271
1453173	at		2310005E10RIK	AK019906	Mm.70371	6	10.597	10.149	10.336	10.174	10.577	10.420	10.338	10.517	9.881	9.836	10.110	10.802	10.555	9.693	10.402	10.300	11.080	10.992	10.601	10.510	10.924	11.102	10.233	10.613	
1453174	at		2310076G13RIK	AK010199	Mm.376247	1	10.144	9.986	10.175	10.032	10.157	10.210	10.265	10.050	9.785	10.205	9.770	10.215	10.111	10.117	10.292	10.129	9.802	10.007	10.232	10.122	9.980	10.018	10.071	10.226	
1453175	at		Zbtb2b	AK013374	Mm.41880	12	7.844	7.999	7.911	7.939	7.995	7.948	7.850	7.910	8.075	8.293	7.812	8.250	8.080	7.896	7.880	7.927	7.888	8.069	7.956	7.955	7.795	7.649	7.706	7.880	
1453176	a	at		AK006384	Mm.423014	2	4.649	4.560	4.538	4.575	4.477	4.424	4.236	4.798	4.557	4.378	4.595	4.355	4.733	4.529	4.561	4.551	4.496	4.398	4.571	4.587	4.598	4.544	4.559	4.762	
1453177	at		Sxn31	BB739558	Mm.253627	15	7.179	6.690	6.928	6.976	6.844	6.879	6.919	7.008	6.945	6.834	6.974	6.846	6.937	6.751	6.957	7.114	6.820	6.843	6.851	6.991	6.948	6.761	7.095	7.151	
1453178	at		lqh	AV260593	Mm.444612	9	4.868	4.709	4.899	4.944	4.838	4.792	4.746	4.839	4.634	4.738	4.754	4.759	4.510	4.795	4.780	4.726	4.782	4.697	4.823	4.685	4.832	4.496	4.713	4.785	
1453179	at		Phca	BE573407	Mm.334041	7	4.395	4.209	4.450	4.272	4.155	4.276	4.327	4.190	4.298	4.277	4.331	4.288	4.242	4.415	4.287	4.374	4.203	4.314	4.192	4.250	4.182	3.993	4.297	4.294	
1453180	at		6530404N21RIK	AK018322	Mm.204591	19	9.681	9.505	9.691	9.800	9.047	9.862	9.928	9.712	8.821	9.099	9.306	9.458	9.192	9.251	9.354	9.594	9.591	9.599	9.394	9.773	9.856	9.699	9.750	9.641	
1453181	x	at	Pfscr1	BF319989	Mm.421956	9	9.934	10.170	9.968	9.289	9.827	9.280	9.296	10.454	9.911	10.146	12.010	10.111	9.925	9.731	10.702	9.998	8.697	9.159	9.107	8.805	9.297	9.275	9.129	9.469	
1453182	a	at	Smcd4	BB220041	Mm.34659	16	8.434	8.559	8.443	8.500	8.491	8.485	8.303	8.413	8.258	8.313	8.335	8.358	8.294	8.246	8.315	8.428	8.586	8.588	8.559	8.563	8.571	8.469	8.474	8.406	
1453183	at		1110034A24RIK	BB815668	Mm.107180	12	7.345	7.975	7.252	7.420	7.462	7.394	7.274	7.650	7.582	7.513	7.539	7.518	7.275	7.584	7.426	7.280	7.540	7.320	7.424	7.359	7.325	7.359	7.201	6.982	
1453184	at		2310040C09RIK	AK009716	Mm.458559	11	7.665	7.338	7.483	7.766	7.474	7.244	7.450	7.489	7.472	7.409	7.487	7.354	7.507	7.489	7.477	7.457	7.593	7.502	7.499	7.426	7.528	7.378	7.572	7.544	
1453185	at		Sfrs18	BG277020	Mm.100117	4	8.680	8.923	8.600	8.775	8.875	8.631	8.492	8.758	8.711	8.573	8.089	8.753	8.673	8.188	8.480	8.397	9.030	8.878	8.585	8.347	8.603	8.952	8.359	8.476	
1453186	at		Sfrs18	BG277020	Mm.100117	4	7.204	7.126	7.010	6.917	7.278	7.031	7.088	7.072	7.080	7.708	6.691	7.217	7.306	6.876	7.010	7.127	7.098	7.008	6.856	7.044	7.148	7.085	6.769	6.966	
1453187	at		Ociad2	AV062896	Mm.274892	5	8.509	8.016	8.768	8.687	8.673	8.638	8.714	8.727	8.326	8.168	8.141	8.698	8.520	8.846	8.172	8.495	8.688	9.160	8.828	8.897	8.514	9.112	9.074	8.649	8.659
1453188	at		6230424C14RIK	AI553459	Mm.475955	13	8.856	9.031	9.097	9.085	9.421	8.860	9.145	9.544	9.403	9.307	9.417	9.698	9.656	9.201	9.340	9.133	9.568	9.424	9.191	9.414	9.320	9.595	9.179	9.125	
1453189	at		Usp19	BB246212	Mm.240438	17	8.247	8.869	8.549	8.625	8.767	8.674	8.593	8.455	8.358	8.455	8.354	8.358	8.254	8.315	8.246	8.315	8.428	8.586	8.588	8.559	8.563	8.571	8.469	8.474	8.406
1453190	at		Usp19	AK018426	Mm.289706	9	8.934	8.938	8.204	8.274	8.922	8.285	8.225	7.865	7.786	8.031	7.951	8.954	8.927	9.935	8.801	8.102	8.220	9.990	8.077	9.146	8.262	8.100	8.066	8.251	8.296
1453191	at		Cot27a1	BB044654	Mm.194116	4	9.230	9.219	9.054	9.022	9.436	9.146	9.039	9.182	9.537	9.240	9.365	9.443	9.347	9.217	9.296	9.013	9.097	8.787	8.970	8.992	8.830	8.790	8.764	8.884	
1453192	at		3110032G18RIK	AK014112	Mm.296138	5	5.232	5.338	5.384	5.419	5.526	5.558	5.335	5.300	5.532	5.697	5.598	5.653	5.332	5.362	5.425	5.362	5.439	5.531	5.327	5.485	5.523	5.505	5.355	5.251	
1453193	s	at	Kif12	AK018598	Mm.216057	4	6.166	5.849	6.108	6.309	6.124	5.905	6.083	6.036	5.855	6.024	6.063	6.075	6.138	5.839	6.000	5.957	6.109	5.983	6.161	6.058	6.088	6.107	6.039	6.022	
1453194	at		4930432K21RIK	AK015293	Mm.33625	8	5.837	5.841	5.790	6.025	5.653	5.641	5.971	5.955	5.837	5.872	5.926	5.744	5.613	5.871	5.828	5.809	5.848	5.782	5.899	5.680	6.003	5.873	5.999	5.951	
1453195	at		Sdcaa3	BF319466	Mm.253771	5	7.965	8.059	8.125	8.158	7.914	8.232	8.152	7.030	7.616	7.885	7.733	7.798	7.836	7.887	7.848	8.188	7.120	7.803	8.144	8.012	7.652	7.474	8.051	8.236	
1453196	a	at	Oas2	B0033138	Mm.228363	2	9.680	8.537	7.358	7.254	7.466	7.048	7.772	7.792	7.898	7.847	7.532	7.946	7.790	7.487	7.309	7.372	7.292	7.330	6.956	7.289	7.314	7.393	6.941	6.962	
1453197	at		Mxd15	AK010387	Mm.47904	7	5.350	5.257	5.209	5.420	5.465	5.202	5.315	5.437	5.422	5.281	5.391	5.181	5.361	5.220	5.335	5.458	5.393	5.470	5.278	5.726	5.619	5.394	5.525	5.785	
1453198	at		Zfp422-rs1	BM227942	Mm.276296	17	8.165	8.444	8.310	8.302	8.441	8.408	8.350	8.710	8.490	8.530	8.084	8.639	8.511	8.359	8.442	8.218	8.612	8.642	8.419	8.436	8.322	8.551	8.300	8.117	
1453199	at		Acd6	AK011781	Mm.288249	1	8.578	8.819	8.736	8.466	8.814	8.566	8.632	8.431	8.847	8.745	8.381	8.906	8.793	8.599	8.558	8.478	8.626	8.934	9.073	8.612	8.577	8.592	8.473	8.607	
1453200	at		Rai1	AK013909	Mm.296366	11	8.461	8.525	8.311	8.496	8.614	8.435	8.510	8.851	8.654	8.639	8.720	8.809	8.643	8.590	8.511	8.355	8.917	9.004	8.634	8.754	8.680	8.798	8.407	8.228	
1453201	at		Rassf10	BB832200	Mm.349943	7	7.686	7.417	7.557	7.703	7.535	7.420	7.567	7.627	7.368	7.471	7.659	7.747	7.546	7.641	7.750	7.604	7.716	7.539	7.750	7.649	7.742	7.786	7.721	7.723	
1453202	at		E330016A19RIK	AV285272	Mm.101559	9	8.107	8.711	7.891	7.971	8.125	7.887	8.060	8.420	8.185	7.950	8.533	8.804	8.073	8.352	8.049	7.7									

1453252	at	Dus4l	AK0110138	Mm.62979	12	7.077	6.558	7.293	6.913	6.263	7.136	7.213	6.827	5.818	6.683	6.238	6.170	6.012	6.428	6.643	7.363	6.971	7.138	7.047	7.500	6.632	6.809	6.844	7.251	
1453253	a at	Rpusd1	AK0099926	Mm.24603	17	8.675	8.663	8.455	8.581	8.457	8.482	8.664	8.649	8.894	8.495	8.598	8.628	8.625	8.604	8.540	8.589	8.509	8.691	8.558	8.642	8.689	8.586	8.568	8.574	8.555
1453254	at	1700034O15Rik	AK006606	Mm.272520	6	5.544	5.340	5.360	5.440	5.346	5.464	5.458	5.354	5.294	5.348	5.618	5.345	5.464	5.508	5.511	5.339	5.520	5.445	5.651	5.710	5.360	5.446	5.636	5.642	
1453255	at	Sic43a1	AK011417	Mm.22716	2	7.365	6.944	6.971	7.164	7.182	7.095	7.038	7.118	7.316	6.949	7.028	6.835	7.145	7.187	7.025	6.798	6.691	6.938	6.812	6.873	7.052	7.104	7.165	7.040	
1453256	at	Bcl7	AK017197	Mm.276043	3	8.189	8.897	8.215	8.375	8.387	8.338	8.266	8.464	8.661	8.588	8.114	8.468	8.415	8.278	8.186	8.223	8.652	8.608	8.529	8.389	8.391	8.474	8.228	8.289	
1453257	at	Agpat1	BB756849	Mm.24117	8	9.022	9.383	8.781	8.358	8.670	8.55	9.105	8.983	8.979	8.840	8.971	8.870	8.346	8.65	8.949	8.426	8.47	8.688	8.574	8.569	8.656	8.625	8.580		
1453258	at	Cldn3	BE628805	Mm.158662	5	6.761	6.804	6.735	6.784	6.741	6.571	6.487	6.553	6.594	6.534	6.675	6.746	6.553	6.569	6.621	6.511	6.589	6.621	6.656	6.923	6.619	6.906	6.621	6.631	
1453259	at	Insc	BB667513	Mm.83037	7	8.319	8.218	8.123	8.298	8.225	8.330	8.486	8.488	8.271	8.011	8.285	8.412	8.320	8.216	8.224	8.257	8.197	8.314	8.295	8.259	8.271	8.183	8.319	8.244	
1453260	a at	Ppo2r2a	AK010380	Mm.273997	14	8.813	9.278	8.821	8.706	8.719	8.828	8.725	8.342	8.703	8.989	9.397	8.655	8.513	9.044	9.053	8.827	8.336	8.581	8.890	8.729	8.366	8.335	8.534	8.902	
1453261	at	2610035D17Rik	BB760848	Mm.266961	11	7.173	7.048	7.149	7.276	7.138	7.445	7.102	7.734	7.159	7.004	7.731	7.620	7.650	7.108	7.265	6.917	7.272	7.162	7.300	7.475	7.356	7.655	7.501	7.301	
1453262	at	2810032G03Rik	AK012851	Mm.10434	12	4.973	4.471	4.771	4.785	4.476	4.611	4.784	4.685	4.753	4.737	5.052	4.685	4.978	4.484	4.753	4.927	4.691	4.827	4.921	4.808	4.637	4.580	4.700	4.778	
1453263	at	Mak10	AK021042	Mm.253902	13	8.935	9.147	9.224	9.187	8.920	9.295	9.179	8.772	8.674	9.042	8.874	9.070	8.879	9.184	9.106	9.257	8.863	8.950	9.224	9.337	8.714	8.564	9.077	9.287	
1453264	at	Micrveln3	AK007346	Mm.96833	8	5.591	5.664	5.626	5.552	5.449	5.739	5.688	5.455	5.373	5.525	5.674	5.562	5.608	5.512	5.769	5.669	5.525	5.779	5.688	5.814	5.532	5.591	5.631	5.627	
1453265	at	49x30579C15Rik	BQ069638	Mm.25097	4	3.672	3.600	3.750	3.865	3.857	3.886	3.808	3.812	3.659	3.762	3.505	3.772	3.879	3.745	3.731	3.759	3.929	4.111	3.959	3.924	3.834	4.188	3.986	3.880	
1453266	at	Zbtb4	BB767069	Mm.426361	11	8.973	9.064	9.277	9.160	9.184	9.130	9.203	9.020	9.221	9.561	8.778	9.380	9.471	9.047	9.378	9.231	9.037	9.112	9.148	8.901	8.962	9.043	9.116	8.977	
1453267	at	Zfhx3	BB626695	Mm.416972	8	4.795	5.438	5.179	5.128	5.180	5.379	5.233	5.110	5.262	5.647	5.327	5.039	5.208	5.293	5.426	5.302	4.713	5.229	5.202	5.124	4.970	5.094	5.371	5.208	
1453268	at	Thq1	AV224102	Mm.269083	11	7.162	6.993	7.150	7.155	7.065	7.107	6.999	6.829	6.854	6.867	7.137	6.738	6.910	6.994	7.195	7.067	7.031	7.098	7.226	6.989	7.100	7.095	7.230	7.446	
1453269	at	Unc5b	AK018177	Mm.290433	10	7.580	8.256	7.646	7.309	7.782	7.520	7.533	8.202	8.159	8.099	7.737	8.104	8.372	8.019	7.796	7.726	7.866	7.802	7.664	7.816	7.404	7.769	7.231	6.925	
1453270	a at	Phf14	AK003209	Mm.212411	6	6.478	6.488	6.245	6.476	6.555	6.272	6.340	6.642	6.012	6.386	6.087	6.350	6.015	6.225	6.369	6.409	6.508	6.510	6.432	6.472	6.592	6.862	6.399	6.513	
1453271	at	Phf14	AK003209	Mm.212411	6	10.367	10.303	10.448	10.428	10.430	10.504	10.399	10.497	9.936	10.203	9.906	10.326	10.209	9.932	10.153	10.436	10.655	10.417	10.411	10.470	10.555	10.835	10.304	10.335	
1453272	at	49x06579F01Rik	AK061190	Mm.383221	3	5.200	5.015	4.997	5.105	5.074	4.958	5.060	5.068	5.035	4.958	5.033	5.029	5.014	5.121	4.866	5.017	4.933	4.992	5.230	5.116	5.186	5.044	4.881	5.022	
1453273	at	Kcnv1	AV142265	Mm.300079	15	5.272	5.049	5.151	5.252	5.245	5.209	5.151	5.211	5.105	5.373	5.458	5.214	5.296	5.219	5.318	5.219	5.314	4.992	5.126	5.227	5.240	5.075	5.322	5.121	
1453274	at	Ccdc103	AK006639	Mm.67659	11	6.030	5.867	5.892	5.849	5.873	5.778	5.925	5.835	5.889	5.662	5.581	5.748	5.859	5.819	5.817	5.776	5.853	5.894	5.847	5.723	5.993	5.813	5.861	5.770	
1453275	at	2310002L13Rik	AK009098	Mm.58214	18	6.408	6.008	6.389	6.208	6.149	6.401	6.239	6.154	6.104	5.951	6.149	5.940	6.178	6.244	6.321	6.237	6.017	6.212	6.295	6.715	6.209	5.907	6.322	6.281	
1453276	at	Kif13b	AK020905	Mm.23611	14	5.366	5.704	5.474	5.633	5.557	5.383	5.285	5.627	5.385	5.637	5.421	5.703	5.686	5.449	5.489	5.339	5.599	5.322	5.683	5.471	5.449	5.534	4.983	5.282	
1453277	at	2301401N23Rik	BB258239	Mm.149413	13	4.610	4.656	4.626	4.434	4.598	4.535	4.556	4.533	4.645	4.695	4.755	4.568	4.758	4.512	4.598	4.329	4.553	4.581	4.808	4.661	4.487	4.643	4.748	4.871	
1453278	a at	Ctip2	AV1927145	Mm.196622	17	11.672	11.216	11.303	11.446	11.301	11.726	11.801	11.617	11.626	11.765	11.875	11.833	11.716	11.765	11.745	11.959	11.607	11.772	11.959	11.718	11.986	11.772	11.986	11.772	
1453279	at	Unc97b	AK009075	Mm.87676	15	6.141	5.876	6.081	5.894	5.924	5.852	5.678	6.112	5.909	5.825	5.602	5.903	5.657	5.983	5.812	5.977	5.858	5.812	5.791	5.806	5.699	5.599	5.701	5.590	
1453280	at	Maeqb5	AK006807	Mm.141337	x	5.143	5.245	5.348	5.379	5.487	5.304	5.340	5.371	5.561	5.332	5.390	5.346	5.228	5.276	5.378	5.471	5.402	5.398	5.515	5.192	5.507	5.220	5.428	5.370	
1453281	at	Pik3c1	BB700084	Mm.229108	4	6.295	6.718	6.398	6.422	6.437	6.357	6.347	6.598	6.673	6.481	6.468	6.652	6.513	6.692	6.317	6.422	6.126	6.463	6.392	6.318	6.201	6.280	6.308	6.316	
1453282	at	Cxadr	BE824924	Mm.66222	16	8.262	8.544	8.064	7.985	8.250	8.021	8.145	7.577	8.605	8.767	8.430	8.327	8.126	8.260	8.457	8.072	8.102	8.506	8.737	8.371	8.429	8.197	8.576	8.605	
1453283	at	Pqm1	AA1549850	Mm.2325	5	8.194	8.973	8.108	8.101	8.444	8.203	8.016	8.469	9.124	8.771	9.120	8.549	8.899	8.982	8.522	8.813	7.934	8.017	7.935	8.045	7.697	8.065	8.205	8.025	
1453284	at	4930405M20Rik	AK015100	Mm.85935	13	5.302	5.784	5.154	5.077	5.575	5.384	5.101	5.442	5.771	5.579	5.257	5.552	5.693	5.641	5.371	5.333	5.765	5.188	5.453	5.093	5.530	5.559	5.209	5.276	
1453285	at	Tmem88	AV014361	Mm.390406	11	10.134	10.410	10.058	10.235	10.300	10.180	10.138	10.814	10.198	10.085	10.638	10.514	10.440	10.376	10.419	9.745	10.607	10.573	10.272	10.426	10.553	10.629	10.087	9.906	
1453286	at	2610035D17Rik	BB760848	Mm.266961	11	7.173	7.048	7.149	7.276	7.138	7.445	7.102	7.734	7.159	7.004	7.731	7.620	7.650	7.108	7.265	6.917	7.272	7.162	7.300	7.475	7.356	7.655	7.501	7.301	
1453287	at	5730557B15Rik	AK012871	Mm.102470	15	8.736	8.004	8.740	9.514	8.759	8.893	8.714	7.635	7.235	7.407	7.740	9.496	8.462	8.246	7.442	8.621	7.857	7.573	7.146	7.449	7.855	7.801	7.923	7.342	
1453288	at	Atf6	AK020270	Mm.377046	1	8.430	8.449	8.563	8.066	8.109	7.982	8.006	8.305	7.938	8.055	7.710	8.157	8.016	7.923	7.911	8.564	7.998	7.805	7.799	7.688	8.044	8.405	8.022	8.187	
1453289	at	Eif2c4	AA148166	Mm.86705	4	8.658	8.245	8.782	8.933	8.629	8.869	8.710	8.208	8.428	8.683	8.293	8.620	8.556	8.476	8.596	8.784	8.533	8.641	8.705	8.847	8.584	8.729	8.852	9.074	
1453290	at	Hmnb21	AA165746	Mm.261739	8	7.577	7.728	7.516	7.806	7.861	7.651	7.810	7.779	7.596	7.539	7.646	7.577	7.552	7.442	7.457	7.569	7.498	7.614	7.458	7.703	7.557	7.728	7.495	7.510	
1453291	at	Hmnb21	AA165746	Mm.261739	8	6.929	6.604	6.816	6.870	6.654	6.661	6.686	6.690	6.689	6.611	6.788	6.506	6.723	6.757	6.709	6.817	6.541	6.581	6.784	6.744	6.718	6.696	6.972	6.798	
1453292	at	4921501E09Rik	AV267198	Mm.84774	17	6.452	5.916	6.287	6.3																					

1453341	a	at	Tmem202	AK008510	Mm.216135	9	5.130	6.075	4.947	4.941	5.198	4.743	4.662	5.314	6.531	6.612	5.344	5.734	5.663	5.709	5.052	4.932	4.972	4.954	4.458	4.857	4.4737	4.468	4.776	
1453342	at	s	Cdc40	AK004569	Mm.46063	10	9.680	9.466	9.842	9.724	9.500	9.717	9.731	9.652	9.508	9.629	9.208	9.371	9.520	9.488	9.432	9.824	9.621	9.629	9.599	9.693	9.692	9.675	9.667	9.625
1453343	s	at	Vrk2	AK012664	Mm.285351	11	7.329	7.648	7.453	7.401	7.443	7.404	7.400	7.392	7.558	7.680	6.977	7.336	7.392	7.587	7.307	7.471	7.416	7.341	7.672	7.298	6.976	7.505	7.171	7.226
1453344	at		1810032O08Rik	AK007675	Mm.432051	11	7.551	7.732	7.431	7.533	7.482	7.485	7.442	7.572	7.573	7.562	7.804	7.486	7.642	7.645	7.487	7.343	7.184	7.280	7.458	7.275	7.459	7.233	7.568	7.844
1453345	at		Nbsl1	AK014427	Mm.38984	5	7.032	6.798	7.084	6.958	6.944	7.020	7.203	7.010	6.847	7.062	7.095	6.762	6.744	6.942	6.752	7.054	6.991	6.982	7.120	7.062	6.975	6.923	6.951	6.879
1453346	at		1700011L22Rik	AK005876	Mm.178707	6	6.098	5.831	5.952	5.897	6.003	5.771	5.965	6.016	5.912	5.735	6.004	5.821	5.931	6.029	5.811	5.931	6.950	6.110	5.951	5.879	5.882	5.932	5.939	
1453347	at		4930589P08Rik	AK017048	Mm.444640	4	7.191	6.676	7.064	7.176	6.945	6.913	7.056	7.061	6.906	6.751	6.901	6.980	6.967	7.027	7.068	7.026	7.126	7.158	7.171	7.127	7.045	7.002	7.194	6.936
1453348	at		17000805D22Rik	AK007007	Mm.295919	8	5.577	5.307	5.425	5.398	5.334	5.647	5.488	5.459	5.287	5.356	5.272	5.523	5.279	5.341	5.257	5.800	5.530	5.507	5.681	5.749	5.705	5.739	5.735	5.304
1453349	at		Cas21	AK010559	Mm.233879	4	7.313	7.195	7.389	7.375	7.296	7.323	7.282	7.491	7.170	7.127	7.372	7.373	7.275	7.407	7.284	7.222	7.393	7.382	7.260	7.326	7.453	7.430	7.267	7.309
1453350	at		2010005J08Rik	AK008128	Mm.271657	11	7.298	7.086	7.184	7.001	7.015	6.992	7.176	7.102	7.028	7.283	7.131	7.084	7.157	6.875	7.106	7.126	7.313	7.246	7.196	7.403	7.195	7.488	7.342	7.543
1453351	at		Tbx20	AK020409	Mm.314552	9	11.833	11.568	11.899	11.630	11.772	11.576	11.550	11.420	11.466	11.956	11.414	11.834	11.646	11.669	11.736	11.189	11.167	11.568	11.638	11.461	11.230	11.153	11.583	11.606
1453352	at		Atf10b	BE979227	Mm.252339	11	7.268	6.640	6.834	7.058	6.880	6.854	7.059	7.058	6.885	6.637	6.996	6.686	7.023	6.758	6.983	7.016	6.894	6.932	7.002	7.220	7.054	6.940	7.188	7.145
1453353	at		1700047116Rik	AK006712	Mm.458692	13	5.183	5.118	5.202	4.988	5.067	5.089	5.162	5.112	5.036	4.836	5.190	4.958	5.230	5.134	5.095	5.219	5.183	5.109	5.149	5.168	5.159	5.159	5.126	
1453354	at		Ndufs1	AK017924	Mm.290791	1	3.976	3.949	4.065	3.722	3.925	3.830	4.074	3.887	4.044	3.838	3.953	4.006	3.955	3.779	3.838	3.933	3.964	3.980	3.902	3.761	3.780	3.937	3.840	3.804
1453355	at		Wnk2	AK007980	Mm.342723	13	8.858	7.924	8.756	9.038	8.320	8.708	8.493	8.261	7.658	7.817	7.923	8.341	7.817	7.619	8.393	8.672	9.368	9.374	9.192	9.125	9.066	9.024	8.761	9.139
1453356	at		5730453J16Rik	AK017661	Mm.293980	19	6.356	6.223	6.350	6.382	6.437	6.541	6.420	6.398	6.288	6.406	6.536	6.401	6.459	6.539	6.416	6.353	6.437	6.193	6.477	6.492	6.385	6.290	6.497	6.398
1453357	at		Tdrd9	AK015351	Mm.60648	12	7.052	6.950	7.122	7.190	6.769	6.908	6.925	6.997	6.816	6.639	6.856	6.770	6.569	7.068	6.899	6.844	7.078	6.867	6.798	6.926	7.130	7.014	7.141	6.825
1453358	s	at	Amn1	BB238321	Mm.209147	6	6.989	7.457	7.172	6.994	7.269	7.253	7.271	7.330	7.337	7.617	7.183	7.422	7.345	7.278	7.229	7.128	7.192	7.152	7.129	7.053	7.179	7.229	7.214	7.308
1453359	at		Exosc1	AK012015	Mm.289086	19	6.061	6.030	6.085	6.058	6.223	6.035	6.128	5.845	6.088	5.908	6.114	5.934	5.827	5.848	5.922	6.035	5.984	5.760	5.891	5.869	5.947	5.940	6.196	5.939
1453360	a	at	Tex9	AK008505	Mm.144985	9	5.883	6.733	5.825	6.443	6.383	6.383	5.979	6.530	6.464	6.158	6.175	6.391	6.483	6.686	6.239	6.234	6.068	6.115	6.186	6.030	5.695	6.241	5.454	6.082
1453361	at		Helis	BM213590	Mm.57223	19	4.270	4.828	4.376	4.449	4.443	4.409	4.600	4.519	4.471	4.567	4.558	4.447	4.300	5.178	4.672	4.388	4.236	4.525	4.451	4.474	4.298	4.298	4.499	4.446
1453362	x	at	Cacna2	AK008386	Mm.16775	14	11.356	11.688	10.966	11.268	11.396	11.192	11.174	12.102	11.918	11.469	11.346	11.691	11.736	11.381	11.161	10.909	11.933	11.750	11.142	11.102	12.059	12.232	10.997	10.817
1453363	at		Rcn2	BB303563	Mm.277338	15	7.896	7.526	7.709	7.666	7.672	7.627	7.719	7.725	7.677	7.613	7.771	7.751	7.773	7.716	7.572	7.884	7.842	7.688	7.757	7.875	7.806	7.725	7.773	7.738
1453364	x	at	9130019O22Rik	AK020267	Mm.200950	7	7.147	7.069	7.148	6.987	7.065	7.206	7.147	7.405	7.291	7.106	7.277	7.254	7.148	7.191	7.401	6.988	7.185	7.078	7.275	7.178	6.914	7.262	7.064	7.264
1453365	at		Rabap1l	AK018430	Mm.25833	1	5.301	5.200	4.937	5.119	5.113	5.179	4.995	5.248	5.332	4.880	5.084	4.972	4.702	4.952	5.048	4.877	4.983	5.250	4.875	4.841	4.786	4.883	4.667	4.769
1453366	at		Tdrk	AK012596	Mm.331198	3	6.154	6.294	6.302	6.147	6.456	6.285	6.219	6.251	6.471	6.370	6.265	6.157	6.276	6.408	6.095	6.476	6.353	6.347	6.277	6.432	6.273	6.394	6.320	6.346
1453367	a	at	Nbsl2	Mm.112162	11	6.812	6.125	6.083	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122	6.122
1453368	at		12310003H01Rik	AK009114	Mm.331704	2	6.492	6.608	6.602	6.789	6.448	6.634	6.641	6.526	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687	6.687
1453369	a	at	Fundc1	AK007686	Mm.41558	X	9.105	9.307	9.257	9.313	9.073	9.469	9.321	8.825	8.956	9.218	8.878	9.124	9.033	9.173	9.218	9.325	8.892	9.192	9.354	9.337	8.964	8.883	9.181	9.299
1453370	at		Troap	BB489500	Mm.124905	15	5.389	5.328	5.123	5.180	5.311	4.971	5.136	5.473	5.305	5.094	5.326	5.010	5.204	5.351	5.113	5.232	5.277	5.003	5.063	5.308	5.166	4.943	5.280	5.129
1453371	at		Rprd2	AK012860	Mm.196275	3	6.308	6.130	6.390	6.054	6.194	6.372	6.342	6.188	6.189	6.498	6.205	6.430	5.904	6.336	6.556	6.409	6.284	5.995	6.323	6.228	6.258	6.504	6.367	6.244
1453372	at		Dnaic1	AK014639	Mm.246674	2	6.751	6.702	6.533	6.763	7.047	6.656	6.540	6.645	6.961	6.811	6.555	7.101	7.081	6.657	6.783	6.800	6.675	6.675	6.416	6.267	6.562	6.838	6.550	6.671
1453373	at		Il1rap1	BB311937	Mm.426143	X	4.567	4.508	4.741	4.706	4.719	4.703	4.770	4.808	4.710	4.665	4.959	4.686	4.806	4.745	4.718	4.701	4.741	4.974	4.715	4.812	4.845	4.826	4.709	4.908
1453374	at		Zfand5	AW744618	Mm.292405	19	6.053	5.848	6.068	6.098	5.899	6.124	5.964	6.286	5.595	5.755	5.930	5.927	5.813	5.786	5.951	6.278	6.179	6.091	5.998	6.216	5.979	6.136	5.971	5.999
1453375	at		92301622N03Rik	AK019620	Mm.53074	X	4.802	4.952	4.895	4.712	4.950	4.985	4.701	4.723	4.915	4.850	4.756	4.831	4.836	4.905	4.236	4.833	4.683	4.806	4.531	4.656	4.541	4.682	4.901	
1453376	at		Shn1	AV273436	Mm.35296	17	5.259	5.002	5.296	5.114	4.982	5.040	5.039	4.976	5.183	5.039	5.150	4.918	5.090	5.160	5.279	5.062	5.337	4.938	5.501	5.349	5.251	4.896	5.343	5.450
1453377	at		Std24a	AK008803	Mm.40974	8	7.402	8.338	7.804	7.995	8.027	7.749	7.878	7.959	8.119	8.416	8.274	8.248	8.043	8.372	8.243	7.836	7.990	7.993	8.166	7.687	7.515	7.850	7.710	
1453378	at		Izkf3	BB219880	Mm.133367	11	5.106	4.795	4.849	4.799	4.654	4.693	4.718	4.736	4.739	4.598	4.849	4.659	4.874	4.797	4.838	4.673	4.727	4.583	4.753	4.851	4.685	4.760	4.632	4.913
1453379	at		4930519P11Rik	AK015848	Mm.399096	2	5.916	5.860	5.835	5.832	5.792	5.588	5.935	5.894	5.989	5.877	6.016	5.588	5.778	5.834	5.890	5.518	6.013	6.140	5.820	6.099	5.969	5.732	6.002	5.971
1453380	a	at	Krc6b01	AK010471	Mm.276769	10	7.625	7.788	7.151	7.840	7.802	7.578	7.684	7.804	7.522	7.390	7.537	7.725	7.611	7.522	7.490	7.360	7.951	7.814	7.641	7.474	7.965	7.681	6.940	

1453430	at	Use1	AK017484	Mm.41890	8	8.308	8.048	8.106	8.274	8.177	7.980	8.147	8.291	8.292	8.295	8.209	8.090	8.037	8.297	8.272	8.241	8.280	8.246	8.173	8.091	8.124	7.950
1453431	at	2610206C17Rik	AK011897	Mm.382914	7	8.259	7.900	8.101	8.141	7.836	7.985	8.088	8.098	7.669	7.886	7.933	7.942	7.719	7.964	7.997	8.163	8.177	7.991	8.029	8.153	8.037	7.735
1453432	at	W00007G11Rik	AW045458	Mm.442340	5	4.726	4.626	4.690	4.685	4.504	4.508	4.585	4.525	4.570	4.608	4.727	4.542	4.477	4.545	4.486	4.599	4.618	4.339	4.556	4.491	4.560	4.427
1453433	at	Wn089	AK011125	Mm.341719	12	6.115	6.367	6.110	6.437	6.420	6.473	6.433	6.099	6.656	6.349	6.490	6.306	6.263	6.407	6.312	6.244	6.467	6.576	6.591	6.370	6.183	6.159
1453434	at	1110019D14Rik	AK003812	Mm.367129	6	6.796	6.951	6.911	6.959	6.981	6.829	6.912	6.877	6.759	7.061	6.445	7.136	7.050	6.673	6.958	6.936	7.093	6.767	6.953	6.834	6.810	6.713
1453435	at	Fm02	AK009753	Mm.105929	9	9.085	7.905	9.747	9.401	8.954	9.619	8.759	8.167	8.087	9.204	7.828	7.933	8.306	8.155	9.382	9.773	7.141	8.465	8.933	8.854	9.183	9.068
1453436	at	Ins02	BE956832	Mm.476288	12	5.776	5.423	5.596	5.560	5.551	5.541	5.646	5.777	5.560	5.759	5.528	5.519	5.505	5.568	5.587	5.601	5.583	5.569	5.522	5.541	5.561	5.575
1453437	at	3321401G04Rik	AK013025	Mm.24652	6	7.034	6.610	6.704	6.912	6.610	6.648	6.672	6.893	6.889	6.804	6.921	6.868	7.006	6.904	6.905	6.817	6.749	6.691	6.790	6.795	6.840	6.761
1453438	x at	Gsdma2	AK008685	Mm.159149	11	4.383	4.604	4.411	4.461	4.406	4.486	4.285	4.467	4.305	4.292	4.455	4.280	4.327	4.285	4.341	4.530	4.460	4.485	4.438	4.402	4.517	4.434
1453439	at	Amtn	AK017352	Mm.79700	5	7.502	7.097	7.255	7.298	7.206	7.275	7.507	7.168	7.033	7.083	7.743	7.347	7.243	7.139	7.415	7.359	7.170	7.149	7.392	7.082	7.263	7.185
1453440	at	4921539E11Rik	AK015018	Mm.158501	4	4.719	4.403	4.293	4.202	4.233	4.355	4.458	4.576	4.339	4.510	4.355	4.423	4.341	4.456	4.364	4.377	4.373	4.346	4.452	4.459	4.381	4.234
1453441	at	4921522P10Rik	AK014948	Mm.59310	8	4.302	4.259	4.153	4.238	4.240	4.403	4.131	4.256	4.079	4.044	4.346	4.164	4.257	4.272	4.244	4.327	4.260	4.277	4.574	4.294	4.372	4.240
1453442	at	231004M15Rik	AK009785	Mm.443436	16	6.349	5.890	6.166	6.179	5.706	5.977	6.166	6.116	5.979	5.970	6.273	6.003	6.040	6.141	6.028	6.001	6.040	6.093	6.065	6.170	6.299	5.951
1453443	at	1110015018Rik	BB264817	Mm.75172	3	3.915	3.777	3.981	3.959	3.861	3.807	3.952	3.858	4.004	3.951	3.964	3.837	3.734	3.742	4.066	3.877	3.943	4.145	3.926	3.930	3.921	3.875
1453444	at	5730437C12Rik	AK017624	Mm.102557	2	4.505	4.444	4.549	4.238	4.344	4.283	4.773	4.501	4.406	4.304	4.462	4.231	4.427	4.422	4.563	4.510	4.415	4.471	4.476	4.583	4.577	4.605
1453445	at	9030601B04Rik	BG072497	Mm.437080	6	6.200	6.102	6.298	5.999	6.061	6.194	5.884	6.162	6.041	6.024	6.110	6.084	6.124	6.033	6.162	6.094	5.889	5.974	6.105	5.921	6.176	6.387
1453446	at	6430411K18Rik	AW060983	Mm.23062	12	7.435	6.964	7.194	7.416	7.343	7.105	7.301	7.316	7.485	7.150	7.427	7.266	7.249	7.343	7.233	7.306	7.078	7.064	7.449	7.411	7.432	7.096
1453447	at	1700109H08Rik	AK007150	Mm.389069	5	5.341	5.196	5.133	5.166	5.312	5.097	5.152	5.172	5.167	5.255	5.442	5.011	5.264	5.430	5.315	5.180	5.094	5.235	5.248	5.267	5.224	5.209
1453448	at	2310067E19Rik	AK010086	Mm.443440	4	8.517	8.642	8.822	8.630	8.675	8.879	8.767	8.723	8.514	8.637	8.328	8.647	8.783	8.589	8.845	8.746	8.940	8.718	8.669	8.727	8.588	9.015
1453449	at	1700058G18Rik	AK006831	Mm.245800	10	4.518	4.334	4.709	4.406	4.534	4.616	4.314	4.407	4.289	4.141	4.438	4.384	4.316	4.236	4.346	4.483	4.359	4.403	4.391	4.392	4.493	4.207
1453450	at	C030006K11Rik	AK021050	Mm.291713	15	6.456	6.390	6.422	6.559	6.469	6.288	6.385	6.632	6.427	6.094	6.499	6.435	6.481	6.400	6.311	6.604	6.508	6.334	6.748	6.665	6.669	6.579
1453451	at	6820402119Rik	AV351927	NA	14	8.023	7.917	8.083	7.985	7.971	8.144	7.939	7.888	7.744	7.831	8.123	7.910	7.820	7.739	8.010	8.270	8.014	8.024	7.942	8.105	7.983	8.075
1453452	at	49305171J6Rik	AW488177	Mm.401029	4	4.980	4.821	5.007	4.947	4.893	4.751	4.923	4.913	5.089	4.765	4.861	4.899	4.850	4.891	4.858	4.807	4.808	4.830	4.915	5.040	4.785	4.995
1453453	at	1700080O16Rik	AK006959	Mm.159154	X	6.282	6.094	6.227	6.345	6.176	6.282	6.293	6.144	6.149	6.079	6.233	6.249	6.144	6.174	6.193	6.175	6.298	6.256	6.180	6.368	6.065	6.181
1453454	at	1700012E03Rik	AK005901	Mm.396169	1	6.753	6.489	6.317	6.450	6.463	6.409	6.604	6.445	6.466	6.445	6.259	6.360	6.341	6.637	6.404	6.641	6.429	6.650	6.605	6.529	6.620	6.421
1453455	at	Camta1	BM247567	Mm.318486	4	8.073	8.054	8.256	8.289	8.199	8.247	8.072	7.953	7.626	7.830	7.938	7.969	7.830	7.905	7.997	8.225	7.867	8.039	8.030	7.899	8.070	8.051
1453456	at	2900084O13Rik	AK009182	Mm.318486	17	5.584	5.319	5.702	5.454	5.509	5.265	5.508	5.438	5.296	5.163	5.264	5.409	5.372	5.333	5.291	5.399	5.500	5.560	5.586	5.465	5.485	5.465
1453457	at	BG063651	Mm.962111	NA	5	6.884	7.365	6.800	6.436	6.891	6.972	6.821	7.832	7.052	6.992	6.631	7.087	6.981	6.843	6.948	6.847	6.948	6.847	6.948	6.847	6.948	6.847
1453458	at	9430019C24Rik	BM121183	NA	8	5.960	5.903	5.756	5.925	5.828	5.836	6.088	5.882	6.135	5.910	5.873	5.849	5.737	5.793	5.892	5.891	5.791	5.877	5.927	5.869	5.986	5.740
1453459	at	1700028116Rik	AK006461	Mm.48789	10	7.223	7.003	7.192	7.164	7.078	7.089	7.215	7.111	7.349	7.160	7.242	7.014	7.234	7.177	7.086	7.150	6.982	6.916	7.163	7.125	7.291	7.170
1453460	at	1700012111Rik	AK005914	Mm.63770	15	8.021	7.641	7.919	7.756	7.761	7.800	7.855	7.601	7.770	7.640	8.006	7.812	7.870	7.567	7.725	7.617	7.842	7.722	7.782	8.084	8.012	7.759
1453461	at	Fxc1	AK002949	Mm.220330	7	5.625	5.448	5.728	5.353	5.469	5.831	5.295	5.536	5.279	5.449	5.128	5.444	5.174	5.119	5.459	5.482	5.925	5.869	5.627	5.943	5.725	5.997
1453462	at	Chst13	AV224550	Mm.49071	6	7.087	6.995	7.020	7.142	7.122	6.772	6.770	7.077	7.011	6.810	7.004	6.683	6.964	7.044	6.894	7.000	6.767	6.845	7.035	6.967	7.110	7.074
1453463	at	1700019B03Rik	AK006106	Mm.74996	8	6.609	6.225	6.596	6.511	6.342	6.610	6.522	6.314	6.398	6.224	6.444	6.102	6.377	6.579	6.277	6.436	6.550	6.442	6.368	6.721	6.372	6.561
1453464	at	1700014G21Rik	AK013837	Mm.494462	7	4.251	4.895	4.702	4.554	4.235	4.608	4.351	4.420	4.616	4.484	4.230	4.816	4.426	4.538	4.627	4.744	4.718	4.697	4.711	4.711	4.697	4.711
1453465	x at	L0C100043766	AK013448	Mm.460455	2	7.773	8.111	7.682	7.858	7.586	7.817	7.763	7.728	7.772	7.607	7.469	7.853	7.606	7.352	7.601	7.576	8.310	8.219	7.876	7.987	8.052	8.186
1453466	at	Rps6	AK013825	Mm.379007	4	4.722	4.419	4.722	4.404	4.485	4.491	4.553	4.592	4.410	4.373	4.461	4.470	4.571	4.608	4.594	4.589	4.587	4.623	4.645	4.503	4.548	4.455
1453467	s at	Rps15a	BM207059	Mm.288212	7	11.320	12.088	10.825	11.008	11.230	10.880	11.186	12.393	12.239	11.629	11.361	11.596	11.627	11.399	10.887	10.772	12.233	11.598	10.935	10.673	12.010	12.113
1453468	at	Cep290	AV312369	Mm.229114	10	5.680	5.753	5.678	5.809	5.519	5.804	5.661	5.541	5.704	5.584	5.501	5.390	5.728	5.571	5.490	5.756	5.619	5.813	5.854	5.493	5.728	5.694
1453469	at	Plnlp01	BM050868	Mm.10753	19	7.215	6.799	7.039	7.106	7.023	7.050	7.106	7.061	7.167	7.009	7.074	6.957	7.070	6.912	7.077	6.912	7.150	7.099	6.716	7.152	7.228	7.128
1453470	a at	Gna13	BG094302	Mm.139325	11	6.960	7.470	6.828	6.809	7.270	6.781	7.041	7.398	7.536	7.419	7.097	7.643	7.547	7.058	7.037	6.650	7.159	6.990	7.060	6.804	6.689	6.858
1453471	at	Iah1	Mm.335360	12	6.003	6.041	6.206	6.161	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236	6.140	6.236
1453472	a at	Slamf7	AK016193	Mm.164542	1	3.533	6.043	6.156	6.213	6.263	6.118	6.092	6.089	6.199	6.102	6.146	6.236	6.158	6.506	6.057	6.105	6.333	5.967	6.105	6.219	6.189	

1453519	at	2610037D02Rik	AK011706	Mm.363762	15	7.164	6.813	6.978	7.018	6.952	6.913	7.124	7.076	6.929	6.958	6.916	7.015	7.104	6.986	6.875	6.831	6.965	6.985	6.813	7.099	7.147	6.887	7.001	7.086	
1453520	at	Ttc21b	AK010712	Mm.250968	2	6.127	5.846	6.159	6.038	6.185	6.212	6.161	6.189	6.249	6.232	6.151	6.176	6.123	6.141	6.035	6.367	6.193	6.201	6.438	6.362	6.190	6.131	6.200	6.090	
1453521	at	4933405L10Rik	AK016673	Mm.280888	8	6.709	6.532	6.649	6.543	6.663	6.600	6.637	6.704	6.621	6.605	6.892	6.667	6.589	6.719	6.647	6.680	6.680	6.345	6.593	6.884	6.765	6.678	6.667	6.568	
1453522	at	6530401N04Rik	AK016300	Mm.2821	12	7.717	7.479	7.463	7.556	7.632	7.318	7.437	7.509	7.363	7.313	7.318	7.332	7.424	7.518	7.266	7.613	7.524	7.160	7.284	7.532	7.284	7.524	7.575	7.445	
1453523	at	KR30407-1	AK020698	Mm.293862	11	6.729	6.444	6.589	6.352	6.498	6.587	6.578	6.480	6.582	6.421	6.562	6.312	6.537	6.540	6.593	6.728	6.441	6.580	6.642	6.518	6.408	6.310	6.670	6.503	
1453524	at	B5548904	Mm.232744	NA	17	7.742	7.306	6.716	6.915	6.759	7.000	7.929	6.393	6.655	7.075	6.746	7.099	6.759	7.785	7.397	7.712	6.275	6.949	7.000	7.861	6.990	6.572	7.007	7.310	
1453525	at	9130413E14Rik	B2226761	NA	7	4.518	4.382	4.300	4.535	4.481	4.714	4.580	4.693	4.418	4.596	4.492	4.405	4.421	4.484	4.528	4.541	4.661	4.620	4.476	4.533	4.492	4.502	4.460	4.622	
1453526	at	4930503E14Rik	AK015686	Mm.425904	14	4.213	4.012	4.080	4.278	4.041	4.135	4.109	4.150	4.140	4.049	4.154	3.994	4.175	4.193	4.065	4.176	4.127	4.002	4.254	4.114	3.987	4.044	4.079	4.208	
1453527	a at	Neurl	AK010787	Mm.313651	19	7.180	7.001	7.100	7.172	6.938	7.012	7.038	7.205	6.886	6.918	7.038	6.977	7.056	6.900	6.831	6.993	7.121	6.988	7.014	7.097	6.950	7.004	7.096	6.941	
1453528	at	Lta4h	AK005161	Mm.271071	10	8.514	7.910	8.248	8.408	8.378	8.402	8.557	8.224	8.219	8.206	8.388	8.067	8.199	8.241	8.334	8.571	8.347	8.490	8.502	8.667	8.413	8.245	8.615	8.507	
1453529	at	6330418B08Rik	AV327353	Mm.445114	1	4.435	4.193	4.303	4.488	4.336	4.283	4.475	4.283	4.268	4.244	4.405	4.387	4.392	4.321	4.287	4.245	4.249	4.418	4.403	4.487	4.404	4.177	4.450	4.536	
1453530	at	AK019526	NA	NA	6	7.522	7.466	7.267	7.166	7.396	7.271	7.193	7.667	7.560	7.656	7.508	7.448	7.893	7.582	7.450	7.352	7.402	7.193	7.290	7.403	7.341	7.115	7.318	7.501	
1453531	at	Zfp248	AK012874	Mm.212572	6	4.933	4.685	4.397	4.811	4.724	4.760	4.707	4.850	4.713	4.751	4.440	4.753	4.922	4.665	4.611	4.705	4.996	4.852	4.882	4.900	4.742	4.766	4.723	4.674	
1453532	at	4933415A04Rik	AK016814	NA	11	6.299	5.939	6.274	6.157	6.149	6.158	6.130	6.025	6.067	6.135	6.208	6.141	6.073	6.120	6.235	6.240	6.615	6.314	6.312	6.556	6.228	6.171	6.221	6.183	
1453533	at	4933403O08Rik	AK016644	Mm.158538	X	5.409	5.228	5.455	5.474	5.255	5.690	5.401	5.187	5.187	5.134	5.429	5.139	5.430	5.087	5.469	5.520	5.388	5.394	5.558	5.812	5.353	5.195	5.204	5.341	
1453534	at	2810004I08Rik	B8825508	Mm.450000	10	4.842	4.774	4.987	4.801	4.686	4.879	4.836	4.679	4.809	4.821	4.992	4.687	4.647	4.796	4.805	5.076	4.694	4.720	4.894	4.952	5.032	4.743	5.033	4.865	
1453535	at	Offr7b	AK014616	Mm.184372	7	4.427	4.410	4.495	4.422	4.524	4.672	4.533	4.463	4.521	4.361	4.614	4.513	4.381	4.448	4.422	4.450	4.503	4.499	4.463	4.504	4.586	4.537	4.573	4.635	
1453536	at	1700034K16Rik	AK006601	Mm.52613	4	6.158	5.529	5.946	5.947	5.575	5.674	5.803	6.092	5.901	5.861	5.842	5.776	5.908	5.947	5.863	5.810	5.656	5.764	5.725	5.674	5.838	5.581	5.905	5.908	
1453537	a at	Wdr17	AK020995	Mm.95281	8	6.578	6.463	6.588	6.518	6.585	6.343	6.593	6.562	6.448	6.357	6.526	6.431	6.376	6.425	6.448	6.750	6.378	6.494	6.615	6.678	6.517	6.549	6.573	6.557	
1453538	at	Csrn3	AK020730	Mm.102025	2	4.822	4.579	4.576	4.533	4.527	4.644	4.838	4.725	4.555	4.525	4.981	4.662	4.732	4.703	4.668	4.728	4.582	4.462	4.671	4.708	4.656	4.537	4.699	4.652	
1453539	at	Alkbh8	AK020197	Mm.116968	9	6.411	6.011	6.555	6.227	6.264	6.229	6.244	6.125	6.283	6.073	6.175	6.280	6.229	6.259	6.292	6.389	6.085	6.276	6.233	6.491	6.327	5.994	6.434	6.356	
1453540	at	5430404G13Rik	BM218780	NA	16	5.364	5.799	5.562	5.575	5.727	5.467	5.053	5.846	5.711	5.514	5.156	5.338	5.638	6.149	5.501	5.673	5.771	5.484	5.240	5.521	5.194	5.592	4.992	4.949	
1453541	at	PKfi	BM232561	Mm.269649	10	8.703	8.934	8.605	8.632	8.722	8.406	8.284	8.187	8.173	8.225	7.998	8.231	7.918	8.139	8.128	8.675	8.381	8.327	8.395	8.346	8.395	8.242	6.889	8.363	
1453542	at	2610007B07Rik	AV111845	NA	X	6.341	6.292	6.415	6.436	6.327	6.397	6.419	6.198	6.217	6.360	6.469	6.074	6.412	6.534	6.313	6.533	6.466	6.244	6.433	6.380	6.515	6.186	6.516	6.395	
1453543	at	4930556H04Rik	B8015832	Mm.376311	12	6.497	6.351	6.791	6.770	6.794	6.794	6.839	6.380	6.513	6.566	7.014	6.674	6.674	6.726	6.653	6.822	6.703	6.844	6.683	6.686	6.988	6.918	6.657	6.792	6.588
1453544	at	Dmr1c1c	AK016891	Mm.509134	X	5.864	5.805	5.926	5.905	5.797	5.659	6.003	5.660	5.800	5.841	5.938	5.763	5.898	5.823	5.862	5.831	5.716	5.814	5.659	5.923	5.919	5.832	5.935	5.633	
1453545	at	5730402I02Rik	AK009336	Mm.453360	1	7.020	6.740	6.767	6.730	6.989	7.087	6.988	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938	7.180	6.938
1453546	at	AK00209108Rik	AV043665	Mm.154333	17	6.473	6.349	6.267	6.705	6.333	6.413	6.563	6.454	6.252	6.313	6.529	6.230	6.430	6.421	6.617	6.508	6.800	6.320	6.582	6.207	6.626	6.426	6.426	6.570	
1453547	at	1810046K07Rik	AK007796	Mm.75315	9	6.903	6.529	6.557	6.623	6.658	6.482	6.702	6.625	6.592	6.344	6.690	6.410	6.504	6.624	6.500	6.630	6.576	6.357	6.719	6.641	6.676	6.599	6.656	6.565	
1453548	at	672398	AK006604	Mm.443295	8	6.481	6.452	6.385	6.349	6.391	6.555	6.611	6.369	6.201	6.260	6.446	6.414	6.272	6.368	6.540	6.396	6.574	6.526	6.222	6.250	6.404	6.619	6.385	6.464	
1453549	at	4930500G05Rik	AK015661	Mm.387976	X	7.370	7.043	7.303	7.343	7.124	7.291	7.372	7.297	7.044	7.034	7.271	7.009	7.260	7.216	7.215	7.188	7.309	7.122	7.274	7.292	7.234	7.182	7.355	7.235	
1453550	a at	Far1	AK011187	Mm.206919	7	4.534	5.147	4.717	4.571	4.758	4.529	4.657	4.655	5.103	5.009	4.678	4.829	4.863	5.012	4.718	4.478	4.513	4.349	4.512	4.403	4.671	4.621	4.551	4.518	
1453551	at	Polq	AK020790	Mm.259114	16	5.394	5.352	5.416	5.492	5.380	5.378	5.294	5.313	5.273	5.307	5.363	5.444	5.392	5.424	5.389	5.335	5.494	5.357	5.510	5.352	5.384	5.347	5.573	5.587	
1453552	at	Z310014F07Rik	AK009336	Mm.29959	9	9.577	7.852	9.484	9.449	5.285	9.416	8.681	8.889	5.538	5.540	7.975	9.149	8.123	8.713	8.079	9.445	5.978	8.880	8.634	8.784	5.379	8.679	8.557	8.572	
1453553	at	AK00209108Rik	AV043665	Mm.154333	17	6.473	6.349	6.267	6.705	6.333	6.413	6.563	6.454	6.252	6.313	6.529	6.230	6.430	6.421	6.617	6.508	6.800	6.320	6.582	6.207	6.626	6.426	6.426	6.570	
1453554	a at	Wdr33	AK009297	Mm.277705	18	8.982	8.770	9.003	8.840	8.627	8.980	8.986	9.065	8.218	8.886	8.873	8.600	8.497	8.392	8.791	8.972	9.048	9.082	8.883	8.979	9.302	9.121	9.079	9.070	
1453555	at	4933408D07Rik	AV223095	NA	8	6.326	6.022	6.272	6.134	6.265	6.004	6.157	5.946	6.102	6.139	6.316	6.099	6.331	5.979	6.456	6.075	6.083	6.038	6.561	6.119	6.010	5.964	6.217	6.116	
1453556	x at	Cd99	AK002762	Mm.423040	4	9.137	9.967	9.055	9.102	9.776	9.151	9.094	10.294	10.155	10.026	9.900	10.055	10.084	9.759	9.701	9.269	10.152	9.652	9.235	9.177	9.657	9.690	9.956	8.849	
1453557	at	4930562F07Rik	AK016191	Mm.414845	1	7.066	6.685	6.899	6.727	6.976	6.661	6.823	6.696	6.631	6.676	6.918	6.620	6.835	6.742	6.834	6.861	6.822	6.826	6.840	7.051	6.620	6.778	6.807	6.740	
1453558	at	4930504H06Rik	AK015697	Mm.156068	12	4.287	4.179	4.373	4.308	4.315	4.281	4.445	4.402	4.456	4.424	4.453	4.342	4.549	4.217	4.310	4.382	4.245	4.239	4.231	4.329	4.429	4.383	4.420	4.287	
1453559	a at	Sell1	AK005544	Mm.250605	12	7.396	7.287																							

1453608	at	Cspn1	BB046307	Mm.244046	1	6.056	5.984	5.735	5.938	6.171	5.949	5.813	5.727	5.788	6.008	5.944	6.171	6.113	5.997	5.862	5.589	5.672	5.935	5.853	5.930	5.918	5.726	6.006	5.537
1453609	s at	Ccdc9	AK011186	Mm.218698	7	7.894	7.938	7.757	7.825	7.916	7.719	7.821	8.043	8.090	8.023	8.178	8.042	7.946	7.919	8.013	7.823	7.917	7.966	7.723	7.793	7.750	7.644	7.819	7.544
1453610	at	R9b31406B18RIk	AK016431	Mm.195732	7	6.609	6.192	6.241	6.442	6.327	6.295	6.298	6.431	6.336	6.057	6.546	6.397	6.328	6.174	6.509	6.284	6.335	6.239	6.423	6.321	6.469	6.238	6.371	6.345
1453611	at	BB367420	BB367420	Mm.4480	7	5.222	4.757	5.335	5.210	5.083	5.230	5.107	4.933	4.916	4.823	5.023	4.869	5.017	5.287	5.173	5.232	4.921	5.009	5.441	5.254	5.059	4.998	5.226	5.259
1453612	at	Net1	AV254337	Mm.116649	8	5.347	5.507	5.298	5.404	5.454	5.276	5.234	5.524	5.393	5.201	5.156	5.512	5.226	5.179	5.189	5.053	5.425	5.431	5.378	5.321	5.459	5.432	5.127	5.296
1453613	at	A130006112RIk	BB152453	Mm.249752	2	6.637	6.523	6.565	6.568	6.483	6.465	6.535	6.370	6.487	6.473	6.530	6.611	6.408	6.386	6.469	6.589	6.419	6.604	6.511	6.604	6.519	6.544	6.518	6.567
1453614	a at	Nfe213	AK017278	Mm.42138	6	4.869	4.653	4.960	4.780	4.768	4.663	4.768	4.935	4.648	4.588	4.767	4.617	4.676	4.744	4.525	4.749	4.741	4.705	4.905	4.808	4.707	4.824	4.764	4.793
1453615	at	NA	AV275083	NA	NA	5.587	5.708	5.806	5.786	5.737	5.716	5.814	5.703	5.900	5.713	5.666	5.475	5.669	5.735	5.731	5.728	5.711	5.617	5.764	5.879	5.956	5.733	5.949	5.502
1453616	at	3830408C21RIk	BB279101	Mm.133867	13	5.188	4.985	5.075	4.993	4.973	5.014	4.936	4.992	5.176	4.985	5.000	4.951	4.977	4.848	5.069	4.982	4.961	5.029	5.101	5.024	5.183	4.993	5.208	4.912
1453617	at	Zranb3	AK016921	Mm.440937	1	6.438	6.579	6.407	6.483	6.259	6.421	6.399	6.438	6.340	6.176	6.424	6.141	6.184	6.643	6.256	6.399	6.535	6.518	6.426	6.474	6.341	6.275	6.399	6.325
1453618	at	AV281496	NA	NA	5	5.458	5.337	5.472	5.562	5.324	5.471	5.505	5.437	5.388	5.218	5.395	5.374	5.438	5.244	5.333	5.287	5.495	5.402	5.367	5.506	5.305	5.197	5.446	5.481
1453619	at	Efcab1	AK015426	Mm.100270	16	6.612	6.588	6.576	6.565	6.610	6.444	6.652	6.374	6.566	6.496	6.759	6.365	6.554	6.549	6.447	6.588	6.567	6.693	6.581	6.654	6.579	6.603	6.577	6.592
1453620	at	Cttnb2	AW489544	Mm.224189	6	7.167	6.909	7.108	7.387	7.058	6.989	7.176	7.141	7.025	6.984	7.088	7.158	7.104	6.908	7.049	7.114	7.329	7.050	7.196	7.198	7.155	7.159	7.249	7.304
1453621	at	Thoc7	BBS40228	Mm.259875	14	3.922	3.805	3.895	3.817	3.998	4.012	4.015	3.889	3.884	3.766	3.951	3.765	3.799	3.870	3.975	3.869	3.881	4.068	3.920	3.902	3.953	3.902	3.816	3.795
1453622	s at	MIH3	AK008707	Mm.288989	4	6.504	6.596	5.974	6.402	6.711	6.278	6.349	6.238	6.921	6.844	6.286	6.434	6.480	6.418	6.158	6.228	6.663	6.517	6.197	6.081	6.563	6.699	6.509	6.221
1453623	a at	Rad23a	AK009733	Mm.255539	8	6.581	6.221	6.448	6.396	5.944	5.959	6.198	6.120	6.051	6.209	6.097	6.032	5.720	5.925	5.912	6.538	6.495	6.269	6.222	6.160	6.364	6.409	6.296	6.207
1453624	at	Trim6	BB416409	Mm.274843	7	6.970	6.630	6.904	6.807	6.761	6.767	6.738	6.757	6.618	6.630	6.756	6.581	6.757	6.751	6.537	6.612	6.753	6.638	6.896	6.773	6.791	6.560	6.740	6.826
1453625	at	Dtna	AV169581	Mm.94371	18	3.976	3.977	3.981	3.855	3.962	4.018	4.033	3.952	3.771	3.779	4.043	3.866	3.858	3.908	4.152	3.952	3.804	3.884	3.994	4.036	3.935	3.917	4.019	4.144
1453626	at	3930402G23RIk	AK014460	Mm.358758	8	6.851	6.380	6.793	6.719	6.613	6.792	6.805	6.780	6.746	6.505	6.929	6.378	6.699	6.608	6.767	6.689	6.627	6.636	6.711	6.914	6.871	6.401	6.640	6.957
1453627	at	2610020P09RIk	BB153741	Mm.452021	4	5.257	5.536	5.090	5.110	5.406	5.141	5.167	5.077	5.312	5.392	4.775	4.964	5.040	5.004	5.185	5.158	5.219	5.074	5.080	5.099	5.018	5.143	5.179	5.055
1453628	s at	Lrrc2	AK010252	Mm.307615	9	12.815	12.379	13.014	13.036	12.736	12.800	12.736	12.160	12.350	12.518	12.501	12.730	12.999	12.694	12.384	13.062	12.108	12.145	12.121	12.466	12.126	11.833	12.497	12.486
1453629	at	4930478L05RIk	AK015587	Mm.410817	16	6.953	6.531	6.828	6.870	6.922	6.618	6.815	6.921	6.910	6.703	6.944	6.853	6.886	6.834	6.843	7.058	6.921	6.897	6.932	7.058	7.049	6.719	6.610	6.933
1453630	at	Gaint14	AK002747	Mm.271953	17	6.277	5.720	5.956	6.062	6.201	6.207	6.286	6.076	5.855	6.070	6.081	5.741	6.035	5.916	6.047	6.120	5.993	5.812	6.057	6.114	6.090	6.139	6.670	6.378
1453631	at	Stx8	AK011376	Mm.3973	11	5.462	5.766	5.455	5.258	5.506	5.308	5.744	5.453	5.368	5.609	5.199	5.564	5.311	5.548	5.116	5.373	5.313	5.156	5.309	5.171	5.416	5.478	5.683	5.371
1453632	at	4930538K18RIk	BB548441	Mm.179335	4	5.895	5.713	5.867	5.813	5.836	5.596	5.962	5.974	5.738	5.645	5.522	5.690	5.940	5.823	5.608	5.850	5.975	5.930	5.901	6.381	5.799	5.819	5.738	5.630
1453633	a at	Rnt41	AK015745	Mm.294120	10	6.756	6.330	6.688	6.607	6.666	6.469	6.609	6.686	6.596	6.545	6.772	6.590	6.571	6.785	6.585	6.670	6.508	6.604	6.566	6.587	6.531	6.218	6.671	6.663
1453634	a at	Net1	EP012503	Mm.159570	5	7.005	6.988	6.979	6.922	7.224	6.976	6.980	6.986	6.985	10.391	10.186	10.067	9.959	10.087	9.959	9.945	9.878	9.931	10.010	9.748	10.010	9.931	9.931	9.931
1453635	at	Clec15a	AK016593	Mm.159254	11	6.756	6.753	6.787	6.914	6.829	6.958	7.067	6.911	6.940	6.962	6.869	6.792	6.818	6.925	6.702	6.866	6.556	6.444	6.847	6.460	6.562	6.682	6.436	6.525
1453636	at	Pcat5	AV312852	Mm.259180	19	7.580	7.563	7.397	7.681	7.652	7.731	7.674	7.663	7.638	7.697	7.710	7.024	7.643	7.381	8.045	7.610	8.110	7.444	7.420	7.426	8.044	8.285	8.082	7.718
1453637	at	5430410E06RIk	AK017289	Mm.439675	17	7.385	6.902	7.320	7.224	7.152	7.237	7.181	7.252	7.174	7.030	7.218	7.044	7.037	7.212	7.113	7.167	7.082	7.286	7.207	7.194	7.187	7.079	7.191	7.149
1453638	at	9030420J04RIk	AK018520	Mm.334955	9	6.503	6.338	6.267	6.308	6.304	6.308	6.422	6.143	6.385	6.219	6.363	6.133	6.335	6.603	6.450	6.548	6.272	6.508	6.419	6.669	6.373	6.302	6.486	6.385
1453639	s at	0610037D15RIk	AK016995	Mm.458093	4	4.969	5.188	4.998	5.233	5.111	5.020	4.721	5.078	5.169	5.326	4.954	5.390	5.361	5.330	5.019	4.979	4.810	5.293	4.955	4.936	5.134	4.923	5.038	4.911
1453640	at	2200119G11RIk	AK008754	NA	11	6.710	6.492	6.727	6.790	6.821	6.626	6.690	6.992	6.920	6.624	6.843	6.591	6.601	6.904	6.779	6.713	6.703	6.675	6.821	6.618	6.670	6.568	6.634	6.508
1453641	at	Bcas1	AK020254	Mm.240850	2	6.226	6.002	6.047	5.992	6.056	5.981	6.136	6.109	5.989	5.973	6.058	6.029	6.175	6.036	6.116	6.005	6.152	5.880	6.396	6.162	6.376	6.266	6.621	6.254
1453642	at	1100011M01RIk	AK019317	Mm.451823	17	7.250	7.130	7.445	7.396	7.052	7.320	7.329	7.184	7.306	7.195	7.405	7.439	7.501	7.234	7.486	7.258	7.425	7.241	7.272	7.289	7.364	7.365	7.201	7.443
1453643	at	1700001119RIk	AK005609	Mm.272795	13	6.950	7.024	6.899	7.143	6.926	6.942	7.089	7.042	7.047	6.781	7.067	6.873	6.921	7.024	7.013	7.033	6.999	7.262	7.044	7.253	6.950	6.961	7.006	7.084
1453644	at	Oho1a	AK017455	Mm.430771	X	4.492	4.267	4.276	4.329	4.403	4.355	4.357	4.435	4.382	4.287	4.449	4.038	4.283	4.283	4.269	4.194	4.466	4.383	4.447	4.310	4.399	4.433	4.282	4.589
1453645	at	2700046A07RIk	BB556191	Mm.262195	18	6.605	6.125	6.457	6.344	6.356	6.503	6.465	6.322	6.249	6.243	6.365	6.214	6.470	6.353	6.377	6.497	6.394	6.350	6.465	6.473	6.464	6.339	6.471	6.566
1453646	at	3110005L21RIk	BM219138	NA	17	7.292	6.557	6.677	6.374	6.659	6.507	6.671	6.604	6.478	6.603	6.810	6.403	6.638	6.324	6.721	6.770	6.840	6.616	6.172	6.569	7.067	7.222	6.630	7.653
1453647	at	E130112N10RIk	AK013893	Mm.10626	6	5.754	5.465	5.501	5.432	5.268	5.528	5.505	5.371	5.405	5.596	5.485	5.413	5.279	5.426	5.542	5.478	5.473	5.429	5.685	5.586	5.561	5.489	5.449	5.562
1453648	at	Susd3	AK013276	Mm.34308	13	6.530	6.444	6.400	6.808	6.457	6.374	6.464</																	

1453697	at	6530402F18Rik	AK018312	Mm.330108	2	6.088	5.919	6.021	5.915	5.838	5.902	5.937	6.106	5.943	5.991	6.158	5.911	5.975	6.001	6.065	5.989	5.991	5.973	5.948	6.097	5.973	6.061	6.018	6.057
1453698	at	6030451C04Rik	BB040767	Mm.447147	4	7.269	7.380	7.340	7.372	7.644	7.474	7.383	7.670	7.682	7.689	7.849	7.977	7.526	6.962	7.373	7.321	7.837	6.099	7.827	7.598	7.617	7.655	7.311	7.531
1453699	at	4930448D08Rik	BB012325	NA	18	4.118	3.761	3.903	3.886	4.006	3.825	3.951	3.927	3.879	3.853	3.916	3.877	3.873	3.877	3.776	3.825	3.769	3.696	3.882	3.819	4.127	3.829	4.075	3.939
1453700	s at	EG245263	AV228800	Mm.291161	10	6.535	6.108	6.244	6.279	6.168	6.168	6.274	6.252	6.183	6.237	6.125	6.161	6.117	6.203	6.292	6.365	6.223	6.334	6.312	6.189	6.222	6.247	6.318	6.381
1453701	at	4921515E04Rik	AV265090	Mm.390921	15	4.950	3.952	3.878	4.112	4.026	3.900	3.969	3.977	4.011	3.945	4.032	3.905	3.896	3.823	3.894	3.945	4.070	4.117	4.068	3.898	4.038	3.994	3.968	3.987
1453702	at	Cdc0105	AK016452	Mm.188505	10	5.273	4.967	5.161	5.064	5.067	5.017	5.004	5.065	5.191	4.989	5.067	5.047	5.092	5.189	5.007	5.144	4.056	5.121	5.035	5.184	5.107	4.887	4.740	4.927
1453703	at	Dnahc17	AK012661	Mm.473893	11	6.240	5.991	6.196	6.351	5.953	6.155	6.315	6.115	6.180	6.093	6.172	5.912	6.306	6.175	6.252	6.108	6.087	6.292	6.191	6.392	6.158	6.225	6.273	6.189
1453704	at	NA	AV151026	NA	NA	7.648	7.496	7.643	7.607	7.533	7.696	7.547	7.498	7.701	7.481	7.732	7.362	7.477	7.642	7.593	7.586	7.515	7.598	7.560	7.659	7.602	7.462	7.639	7.526
1453705	at	B230110C06Rik	AK020961	Mm.138039	14	7.331	6.985	7.565	7.507	7.222	7.469	7.451	7.495	7.263	7.262	7.481	7.128	7.170	7.121	7.511	7.402	7.635	7.571	7.545	7.637	7.488	7.507	7.495	7.562
1453706	at	2900042A17Rik	AV152654	NA	19	5.632	5.896	5.536	5.838	5.593	6.164	5.929	5.605	5.621	5.468	5.509	5.809	5.641	5.759	5.613	5.620	5.886	6.140	6.170	5.984	5.458	5.637	5.605	5.490
1453707	at	4930480G23Rik	AK015599	Mm.445292	4	4.024	3.955	4.021	4.055	3.991	4.215	4.019	4.001	4.044	3.938	4.164	3.963	4.295	3.963	4.111	3.943	4.007	4.260	4.226	4.338	4.076	3.873	4.100	4.139
1453708	a at	Gst02	AK019582	Mm.637191	19	4.981	4.913	4.818	4.805	4.684	4.615	4.805	4.763	4.813	4.984	4.540	4.946	4.740	4.858	4.660	4.939	5.070	4.888	4.918	4.835	5.087	4.793	4.930	4.769
1453709	at	3426406K018Rik	AV172660	Mm.426933	9	7.171	6.970	7.048	7.089	7.107	6.909	7.155	7.126	7.212	6.984	7.039	6.934	7.116	7.193	7.022	7.277	7.152	6.873	6.978	7.282	7.128	6.960	7.061	7.152
1453710	at	Tsmet116	AV266190	Mm.358781	5	6.716	6.496	6.686	6.694	6.881	6.731	6.618	6.634	6.527	6.516	6.678	7.039	6.655	6.116	6.195	6.763	7.594	6.282	6.971	6.824	6.663	7.243	6.428	6.476
1453711	at	Rsp04	AK020904	Mm.159688	2	5.532	5.437	5.665	5.491	5.593	5.381	5.413	5.731	5.609	5.329	5.712	5.540	5.488	5.497	5.483	5.527	5.566	5.551	5.657	5.727	5.479	5.592	5.575	5.633
1453712	a at	Map2k5	BB828559	Mm.325746	9	5.964	5.906	5.566	5.832	5.675	5.710	5.890	5.787	5.979	5.777	5.857	5.900	5.716	5.812	5.815	5.897	5.892	6.010	5.977	5.869	5.999	5.866	5.770	5.878
1453713	s at	4930546H06Rik	AK016052	Mm.227456	17	5.621	5.474	5.188	5.693	5.640	5.301	5.285	5.557	5.590	5.498	5.524	5.452	5.758	5.590	5.446	5.392	5.459	5.355	5.204	5.422	5.509	5.304	5.231	5.309
1453714	a at	Shroom3	BB504666	Mm.46014	5	5.345	5.102	5.018	4.995	5.153	5.065	5.229	5.119	5.046	5.108	5.275	4.996	5.048	5.093	5.139	5.092	5.323	5.131	5.105	5.179	5.149	5.265	5.122	5.125
1453715	at	Sv2c	AK015921	Mm.40436	13	5.888	5.837	5.762	6.039	5.963	5.869	5.897	6.030	5.747	5.741	5.869	5.910	5.759	5.789	5.912	5.901	5.910	5.455	6.043	5.863	5.788	5.805	6.055	5.915
1453716	at	Bcl212	AK015602	Mm.394574	14	6.197	6.041	6.089	6.373	6.130	5.913	5.901	5.911	5.867	6.009	6.128	6.077	6.082	6.174	5.911	6.011	6.113	5.951	6.132	6.220	6.133	6.174	6.087	6.107
1453717	s at	Tt00	AK016396	Mm.440232	4	4.665	4.340	4.407	4.629	4.411	4.326	4.362	4.567	4.390	4.273	4.362	3.885	4.401	4.210	4.402	4.593	4.755	4.566	4.624	4.615	4.396	4.540	4.618	4.408
1453718	at	Bcl212	AK013411	Mm.261006	7	6.927	6.842	6.985	6.884	6.749	6.693	6.797	6.815	6.828	6.746	6.782	6.749	6.813	6.739	6.813	6.937	7.045	6.939	6.945	7.031	6.829	6.959	6.852	7.097
1453719	at	4930506C21Rik	AK015714	Mm.426530	17	6.704	6.618	6.671	6.702	6.597	6.688	6.745	6.771	6.641	6.710	6.574	6.674	6.498	6.587	6.810	6.725	6.783	6.777	6.788	6.801	6.708	6.645	6.777	6.669
1453720	at	Rnf151	AK011693	Mm.426344	11	6.005	5.848	5.825	5.714	5.716	5.846	5.877	5.939	5.628	5.617	5.915	5.637	5.891	5.760	5.792	5.784	5.848	5.726	5.814	5.648	5.914	5.756	5.824	5.909
1453721	a at	Slc31a2	AK015878	Mm.292539	4	8.008	7.867	8.167	8.064	7.964	7.953	7.797	7.962	7.883	8.052	7.955	7.851	8.095	7.931	8.268	8.010	7.812	7.855	7.985	8.178	8.018	7.769	8.273	8.248
1453722	s at	LOC100048559	BF682801	NA	11	10.746	11.058	10.978	10.600	10.524	10.862	10.773	10.671	10.608	10.769	10.445	10.445	10.374	10.973	10.644	10.919	10.195	10.528	10.566	10.403	10.248	10.561	10.580	10.583
1453723	x at	Scp1	Mm.282093	11	14.033	14.146	14.160	14.112	14.063	13.993	13.990	14.077	14.172	14.228	14.147	14.322	14.293	14.327	14.098	14.241	14.108	14.098	14.068	14.068	14.068	14.068	14.068	14.068	14.068
1453724	at	Seq1	AK011111	Mm.200494	2	9.217	9.099	9.213	9.259	9.107	9.465	9.350	9.855	9.212	9.322	9.346	9.824	9.489	10.015	9.227	9.444	9.459	9.373	9.215	9.227	9.444	9.459	9.373	9.215
1453725	a at	Mrsr5	AK012225	Mm.193040	11	10.369	10.535	10.311	10.321	10.229	10.164	10.107	10.713	10.238	10.267	10.469	10.316	10.083	10.191	10.337	10.289	10.682	10.681	10.341	10.297	10.728	10.720	10.988	10.145
1453726	s at	2810407C02Rik	AK013022	Mm.270950	3	9.515	9.580	9.821	9.621	9.422	9.873	9.686	8.980	8.823	9.586	9.369	9.096	9.124	9.650	9.638	9.840	9.830	9.181	9.731	9.798	9.060	8.977	9.692	9.929
1453727	at	Esf1	BB612598	Mm.21228	2	5.697	5.674	5.574	5.618	5.605	5.408	5.519	5.645	5.426	5.711	5.784	5.557	5.681	5.573	5.611	5.651	5.538	5.298	5.589	5.474	5.649	5.530	5.626	5.449
1453728	a at	Mros17	AK003008	Mm.249809	5	10.379	10.559	10.279	10.250	10.250	10.393	10.465	10.742	10.016	9.991	10.365	10.401	10.188	10.223	10.205	10.317	10.898	10.817	10.727	10.598	10.812	11.057	10.064	10.241
1453729	a at	Rpl37	BF578245	Mm.10474	15	10.185	11.233	9.976	9.880	10.472	10.319	10.203	12.009	11.670	10.921	10.775	11.015	10.990	10.927	10.338	9.940	11.629	11.093	10.408	10.156	11.242	11.178	10.016	9.708
1453730	at	Samd8	AK015593	Mm.102765	14	6.803	6.787	6.706	6.731	6.435	6.777	6.750	6.674	6.578	6.209	6.688	6.593	6.263	6.598	6.464	6.610	6.640	6.427	6.526	6.677	6.624	6.636	6.824	6.641
1453731	at	Dtl	Mm.189032	3	10.760	10.705	10.835	10.495	10.630	10.643	10.793	10.834	10.658	10.793	10.834	10.658	10.793	10.834	10.658	10.793	10.834	10.658	10.793	10.834	10.658	10.793	10.834	10.658	10.793
1453732	at	Cdc90a	BF533688	Mm.426290	13	7.804	7.455	7.901	7.873	7.584	7.893	8.069	7.264	7.260	7.571	7.713	7.394	7.306	7.678	7.714	8.040	7.547	7.734	8.157	7.183	7.407	7.413	7.934	8.128
1453733	a at	4933434E20Rik	AK017833	Mm.472709	3	9.427	9.375	9.607	9.743	9.405	9.802	9.452	8.716	9.003	9.347	9.162	9.194	9.109	9.322	9.352	9.700	9.875	9.504	9.756	9.651	9.186	8.938	9.700	9.773
1453734	at	Atrx	BF165715	Mm.10141	X	8.494	8.488	8.517	8.487	8.624	8.501	8.581	8.344	8.340	8.641	8.405	8.519	8.582	8.524	8.491	8.549	8.426	8.355	8.462	8.479	8.502	8.687	8.778	8.722
1453735	at	5730455P16Rik	BF535440	Mm.86860	11	7.838	7.794	8.159	8.014	7.898	8.091	8.001	7.490	7.647	7.887	7.738	7.869	7.789	7.841	7.990	8.351	7.761	8.021	8.255	8.304	7.793	7.636	8.026	8.281
1453736	s at	BG23019D22Rik	BG23019D22Rik	Mm.28449	13	4.933	4.950	4.990	5.115	4.915	5.045	5.055	5.003	4.904	5.014	4.962	4.824	4.948	4.923	5.131	5.085	4.949	4.922	4.853	4.962	5.169	5.259	5.214	5.435
145																													

1453786	at	49334030H15Rik	BI248587	Mm.287267	3	5.272	5.112	5.095	5.323	5.407	5.053	5.115	5.265	5.225	4.915	5.149	4.971	5.120	5.070	5.184	5.044	5.197	5.127	5.141	5.151	5.473	5.150	5.322	5.080
1453787	at	Txndc13	AK015667	Mm.264096	2	8.354	8.374	8.298	8.440	8.128	8.635	8.298	7.981	8.284	8.363	7.179	8.507	8.289	8.183	8.285	8.406	8.380	8.468	8.655	8.512	7.935	8.259	8.168	8.161
1453788	at	NA	AK018038	NA	NA	6.620	6.210	6.658	6.796	6.575	6.579	6.686	6.591	6.343	6.481	6.779	6.561	6.457	6.501	6.661	6.721	6.708	6.785	6.533	6.683	6.707	6.472	6.812	6.729
1453789	at	493443022R2Rik	AI117479	Mm.475176	6	5.361	5.012	5.024	5.281	5.077	5.198	5.225	5.174	5.144	5.180	5.206	5.053	5.178	5.193	5.140	5.191	5.317	5.234	4.867	5.027	5.381	5.272	5.259	5.443
1453790	at	57304035B10Rik	AK012397	Mm.157608	16	5.505	5.643	5.783	5.860	5.706	5.889	5.709	5.713	5.484	5.689	5.741	5.544	5.712	5.455	5.815	5.828	5.839	5.812	5.927	5.771	5.634	5.742	5.068	5.898
1453791	at	C1330071C03Rik	BB6468310	Mm.245636	13	4.443	4.153	4.436	4.403	4.314	4.503	4.346	4.480	4.349	4.386	4.412	4.119	4.215	4.320	4.215	4.434	4.330	4.164	4.044	4.515	4.318	4.312	4.220	
1453792	at	Zfpz32	BG147174	Mm.333574	7	6.050	5.725	6.086	6.510	6.014	5.984	6.109	6.178	6.031	5.817	6.095	6.004	5.968	5.868	6.010	6.042	6.158	6.128	6.068	6.175	6.017	5.904	6.287	6.137
1453793	at	17002602J12Rik	AI036213	Mm.307720	16	6.367	6.307	6.420	6.539	6.260	6.416	6.452	6.605	6.424	6.058	6.513	6.167	6.585	6.295	6.386	6.301	6.562	6.723	6.467	6.658	6.507	6.336	6.408	6.389
1453794	at	Fer114	BO265161	Mm.159241	2	6.924	6.670	6.752	6.957	7.020	6.940	6.942	6.933	6.955	6.782	6.930	6.863	6.906	6.962	6.804	7.153	6.915	6.769	6.745	6.923	7.261	6.776	6.965	7.229
1453795	at	Fahd2a	BI872590	Mm.288676	2	10.282	9.728	10.646	10.495	9.911	10.408	10.144	9.652	9.120	9.431	9.776	9.895	9.576	9.579	10.131	10.591	10.135	10.300	10.306	10.527	10.078	9.972	10.317	10.515
1453796	a at	Eraic2	AK016275	Mm.59812	6	9.027	9.730	9.115	9.186	9.241	9.084	9.044	9.476	9.471	9.460	9.233	9.443	9.321	9.290	9.218	9.105	9.333	9.297	9.179	9.102	9.265	9.921	9.034	9.055
1453797	at	Phospho2	AK001147	Mm.9621	2	6.229	5.727	6.260	6.113	6.027	6.085	6.254	5.976	6.093	5.786	6.219	6.020	6.058	6.107	6.326	6.165	6.105	6.160	6.101	6.401	6.080	6.004	6.246	6.179
1453798	at	Ccd93	AK014621	Mm.25708	1	6.215	6.000	6.102	6.307	6.142	6.162	6.168	6.246	6.163	6.057	6.101	6.187	6.100	6.047	6.143	6.131	6.285	6.124	6.094	6.077	6.686	6.148	6.222	6.312
1453799	at	9430038101Rik	AK020460	Mm.29184	7	7.648	7.862	7.592	7.626	7.773	7.664	7.731	8.029	7.711	7.428	7.717	7.674	7.674	7.652	7.550	8.038	7.977	7.783	7.767	7.828	7.962	7.693	7.584	
1453800	at	Rnt181	BF178615	Mm.170023	6	7.119	6.856	7.097	7.088	7.152	7.116	6.984	7.041	7.100	6.928	7.087	7.004	7.095	7.107	7.071	7.207	7.241	7.129	7.034	7.091	7.121	7.033	7.006	6.977
1453801	at	Them5	AK004155	Mm.180200	3	4.283	4.354	4.260	4.369	4.289	4.325	4.202	4.201	4.108	4.358	4.486	4.339	4.304	4.423	4.328	4.551	4.334	4.313	4.245	4.236	4.638	4.265	4.434	4.556
1453802	at	Limch1	BB609888	Mm.374778	5	7.345	7.066	7.288	7.168	7.069	7.182	7.102	7.302	7.167	7.181	7.190	7.062	6.968	7.138	7.303	7.424	7.372	7.245	7.136	7.157	7.014	6.963	7.176	7.327
1453803	at	Tiaht	AK009914	Mm.423551	6	5.651	5.190	5.496	5.496	5.476	5.451	5.645	5.505	5.520	5.505	5.126	5.060	5.415	5.638	5.520	5.596	5.557	5.698	5.540	5.698	5.542	5.472	5.568	5.503
1453804	a at	Orcd4	AK011550	Mm.291059	2	8.669	8.687	8.586	8.484	8.337	8.550	8.482	8.999	8.502	8.858	8.452	8.584	8.488	8.521	8.513	8.673	8.694	8.452	8.549	8.450	8.785	8.897	8.573	8.584
1453805	at	Fuca1	BB648622	Mm.439940	4	6.490	6.503	6.465	6.569	6.509	6.364	6.436	6.456	6.636	6.474	6.596	6.407	6.557	6.733	6.308	6.550	6.415	6.445	6.536	6.521	6.418	6.397	6.563	6.353
1453806	at	Ndurfb2	AA940525	Mm.29415	6	8.275	7.971	8.106	8.182	8.081	7.995	8.074	8.556	7.891	7.762	8.048	7.998	8.001	7.971	7.936	8.023	8.477	8.300	8.077	8.125	8.220	8.262	8.051	7.987
1453807	at	6330563C09Rik	BI730484	Mm.152954	3	5.585	5.036	5.037	4.763	5.560	4.973	5.113	5.244	4.718	4.968	5.038	5.396	4.858	4.776	5.220	5.258	4.820	5.182	5.278	5.106	4.737	5.309	5.210	4.739
1453808	at	2210416O15Rik	AK008958	Mm.386799	11	7.856	7.421	7.707	7.738	7.590	7.694	7.781	7.845	7.674	7.781	7.927	7.460	7.812	7.616	7.599	7.781	7.764	7.631	7.682	7.757	7.822	7.482	7.847	7.659
1453809	at	Lypd5	AK008654	Mm.261468	7	6.992	6.464	6.841	6.912	6.706	6.730	6.661	6.646	6.497	6.656	6.699	6.617	6.563	6.624	6.687	6.717	6.805	6.621	6.810	6.727	6.803	6.665	6.891	6.699
1453810	at	Altth5	BB590516	Mm.356580	11	6.385	6.273	6.348	6.482	6.303	6.384	6.251	6.308	6.490	6.317	6.295	6.352	6.438	6.410	6.525	6.414	6.411	6.347	6.378	6.394	6.243	6.472	6.437	6.378
1453811	at	Hspa9r	AA543265	Mm.209419	18	5.843	6.013	5.655	6.052	5.749	5.829	5.959	6.134	6.010	5.948	5.962	5.931	5.872	5.791	5.879	5.991	5.889	5.998	5.985	6.127	6.031	5.790	5.947	5.816
1453812	at	Jak3b2	AK008822	Mm.423822	18	4.921	4.767	4.977	4.868	4.769	4.966	4.914	5.036	4.848	4.906	4.942	4.988	4.962	4.950	4.962	4.850	4.962	4.958	4.968	4.765	4.425	4.868	4.887	4.806
1453813	at	Cd7200r3	BG179845	Mm.297337	17	4.223	4.223	4.105	4.096	3.937	3.995	4.206	4.148	3.995	4.040	3.995	4.040	4.122	4.105	4.176	4.110	4.021	4.021	4.021	4.021	4.021	4.021	4.123	4.017
1453814	at	Bcl11a	BE952702	Mm.53687	11	5.488	5.053	5.588	5.334	5.166	5.306	5.253	5.144	5.367	5.201	5.336	5.276	5.347	5.343	5.210	5.331	5.474	5.240	5.427	5.422	5.466	5.382	5.409	5.377
1453815	at	Spz25	AK011893	Mm.272969	2	6.478	6.443	6.356	6.161	6.462	6.221	6.193	6.190	6.137	6.415	6.313	6.057	6.184	6.192	6.338	6.414	6.215	6.202	6.218	6.421	6.304	6.180	6.318	6.444
1453816	at	5730427N09Rik	AK019991	Mm.390634	13	5.805	5.357	5.354	5.662	5.476	5.583	5.545	5.612	5.619	5.268	5.472	5.404	5.709	5.613	5.478	5.720	5.560	5.438	5.414	5.424	5.427	5.200	5.534	5.546
1453817	at	Abca6	AK018242	Mm.159704	11	6.610	6.252	6.466	6.625	6.301	6.371	6.442	6.599	6.286	5.946	6.194	6.232	6.511	6.558	6.267	6.656	6.423	6.720	6.991	6.681	6.408	6.343	6.500	6.184
1453818	a at	2210404J11Rik	AK019108	Mm.393767	17	7.017	7.535	6.899	7.139	7.312	7.251	7.165	7.105	7.584	7.378	6.987	7.022	7.193	7.221	7.133	7.036	7.314	7.162	7.083	7.245	7.196	7.131	7.026	7.171
1453819	x at	Stx18	AK016910	Mm.18859	5	8.475	8.866	8.581	8.643	8.485	8.478	8.389	7.947	8.557	8.610	8.341	8.511	8.473	8.630	8.526	8.478	8.315	8.479	8.478	8.420	8.344	8.191	8.027	8.543
1453820	at	BC006403	AK015421	Mm.439219	4	5.003	6.973	5.765	4.957	5.790	5.645	5.384	6.953	4.905	4.766	5.309	4.739	4.945	5.098	5.082	4.987	5.098	5.082	4.987	5.098	5.082	4.987	5.098	5.082
1453821	at	N6am1i	BO330634	Mm.296532	16	8.701	8.514	8.522	8.530	8.511	8.369	8.428	8.867	8.262	8.109	8.248	8.532	8.445	8.779	8.196	8.541	9.068	8.897	8.636	8.296	8.867	9.151	8.322	8.205
1453822	at	Dnalcl	BG916281	Mm.101525	12	4.950	5.144	4.897	5.025	4.986	5.074	5.258	5.103	5.149	5.061	5.198	5.119	5.084	5.174	5.057	4.915	5.083	5.276	4.900	5.038	5.064	5.003	5.012	4.854
1453823	a at	Ccdc76	BG085812	Mm.259648	3	5.254	5.613	5.238	5.633	5.568	5.324	5.297	5.600	5.551	5.592	5.473	5.516	5.392	5.332	5.378	5.335	5.800	5.515	5.460	5.276	5.505	5.573	5.448	5.508
1453824	at	Ccdc76	BG085812	Mm.259648	3	7.034	7.583	7.089	7.230	7.294	7.034	7.093	7.155	7.237	7.177	7.020	7.130	6.721	6.823	7.083	6.975	7.334	7.286	7.106	7.053	7.252	7.087	7.417	6.801
1453825	at	4933042101Rik	BG296369	Mm.444292	4	6.681	6.219	6.494	6.396	6.369	6.459	6.410	6.392	6.290	6.455	6.364	6.265	6.403	6.334	6.429	6.511	6.381	6.366	6.419	6.544	6.376	6.385	6.419	6.611
1453826	at	Prc3b	BO179596	Mm.35153	1	5.738	5.583	5.739	5.837	5.782	6.098	5.698	5.654	5.502	5.417														

1453875	at	Slc7a15	AK008024	Mm.46326	12	6.295	6.054	6.258	6.478	6.211	6.156	6.301	6.295	6.200	6.074	6.306	6.139	6.113	6.095	6.247	6.376	6.242	6.206	6.354	6.241	6.186	6.181	6.173	6.416	
1453876	at	1700120B22Rik	AK006818	Mm.422789	10	4.592	4.432	4.533	4.524	4.529	4.444	4.528	4.596	4.593	4.293	4.687	4.430	4.591	4.520	4.525	4.561	4.621	4.480	4.459	4.560	4.553	4.526	4.665	4.335	
1453877	at	4930467D21Rik	AK015518	Mm.447705	5	4.401	4.242	4.550	4.432	4.468	4.635	4.513	4.573	4.504	4.331	4.553	4.436	4.517	4.467	4.503	4.430	4.539	4.505	4.466	4.681	4.507	4.452	4.540	4.631	
1453878	at	Ubr2	BB543320	Mm.28234	17	6.081	5.947	6.225	6.115	6.119	6.138	6.140	6.277	5.954	5.850	6.032	6.193	6.006	6.036	6.006	6.125	6.210	6.191	6.333	6.289	6.227	6.173	6.419	6.227	
1453879	at	1700016H13Rik	AK006933	Mm.159141	5	5.106	5.160	5.213	5.225	5.182	5.220	5.233	5.093	5.246	5.133	5.073	5.597	5.335	5.178	4.970	5.121	5.424	5.300	5.391	5.241	5.142	5.122	5.149		
1453880	s	at	AK015391	Mm.425204	16	5.474	5.302	5.354	5.354	5.182	5.129	5.385	4.900	5.170	5.324	5.213	5.275	5.343	5.263	5.233	5.282	5.333	5.292	5.311	3.385	5.364	5.028	5.270	5.549	
1453881	x	Cetn1	AK015808	Mm.195831	18	7.655	7.489	7.652	7.726	7.673	7.630	7.704	7.820	7.659	7.499	7.710	7.510	7.533	7.734	7.612	7.703	7.655	7.545	7.697	7.645	7.729	7.638	7.751	7.558	
1453882	at	1700034F02Rik	AK006591	Mm.69388	11	4.615	4.587	4.547	4.570	4.424	4.486	4.680	4.353	4.527	4.309	4.792	4.295	4.479	4.411	4.513	4.637	4.322	4.350	4.462	4.490	4.506	4.468	4.548	4.747	
1453883	at	4933425B07Rik	AK016907	Mm.390708	14	5.203	5.208	5.211	5.094	5.204	5.197	5.212	5.314	5.507	5.291	5.077	5.160	5.257	5.178	5.020	5.209	5.271	5.394	5.287	5.109	5.316	5.171	5.177	5.158	
1453884	at	4930402K13Rik	AK015052	Mm.50374	X	3.839	3.880	3.857	3.901	3.823	3.809	3.931	3.921	3.891	3.809	4.106	3.748	3.867	3.888	3.870	4.065	3.717	3.902	3.815	3.890	3.851	3.700	3.955	3.878	
1453885	at	Slc24a2	AK012771	Mm.127296	4	7.594	7.157	7.355	7.507	7.303	7.273	7.243	7.290	7.342	7.237	7.092	7.419	7.328	7.287	7.314	7.237	7.278	7.244	7.241	7.097	7.350	7.283	7.501	7.553	
1453886	a	Slc25a2b	AK017037	Mm.280725	6	8.238	8.042	8.409	8.484	8.034	8.526	8.438	7.981	7.646	7.615	8.041	7.871	7.727	7.900	8.105	8.354	8.530	8.802	8.548	8.620	8.538	8.500	8.589	8.598	
1453887	a	Tiam1	AK017465	Mm.310902	16	5.114	4.676	4.710	4.820	4.765	4.648	4.775	4.966	4.673	4.760	4.908	4.791	4.879	5.006	4.853	4.792	5.115	4.845	4.961	4.422	4.862	4.858	4.783		
1453888	at	Cnne4	AK016705	Mm.326240	9	6.272	6.069	6.308	6.170	6.118	6.301	6.368	6.072	6.011	5.874	6.340	6.031	5.952	6.126	6.136	6.151	6.200	6.001	6.093	6.380	6.242	6.196	6.448	6.122	
1453889	at	4930461C15Rik	AK015492	Mm.109161	16	4.896	4.612	4.764	4.583	4.747	4.668	4.614	4.980	4.606	4.577	4.799	4.812	4.734	4.762	4.815	4.870	4.819	4.878	4.841	4.759	4.931	4.949	4.881	5.125	
1453890	at	NA	AK016162	NA	NA	6.285	6.169	6.284	6.286	6.212	6.363	6.124	6.160	6.208	5.790	6.249	6.221	6.247	6.236	6.080	6.477	6.211	6.068	6.156	6.394	6.430	6.265	6.342	6.244	
1453891	at	Ptfr	AK009381	Mm.21864	11	5.835	6.042	5.764	5.533	5.790	5.687	5.691	5.941	6.112	5.822	5.797	5.819	5.843	5.920	6.084	5.801	5.815	5.785	5.880	5.816	5.721	5.794	5.384	5.775	
1453892	at	A930007T19Rik	AK020826	Mm.458738	19	6.414	6.134	6.404	6.505	6.310	6.484	6.356	6.268	6.146	6.284	6.474	6.017	6.374	6.439	6.419	6.286	6.304	6.502	6.546	6.690	6.433	6.102	6.577	6.113	
1453893	at	4933412C06Rik	AK016796	Mm.380845	13	6.126	5.622	6.196	6.072	5.974	6.354	6.208	6.021	6.132	5.873	6.245	5.803	6.202	6.057	6.357	6.331	6.088	6.195	6.149	6.471	6.054	6.101	6.164	6.361	
1453894	at	4933434C23Rik	AK017052	Mm.61337	X	5.648	5.364	5.644	5.792	5.583	5.631	5.542	5.647	5.675	5.354	5.640	5.462	5.864	5.646	5.651	5.582	5.645	5.657	5.408	5.568	5.619	5.660	5.720	5.644	
1453895	at	C330026N13Rik	AK021227	NA	13	4.030	3.887	4.185	4.003	3.812	3.965	4.058	3.991	3.998	3.946	4.036	3.726	3.911	3.795	4.013	4.038	4.101	4.030	4.068	4.038	4.009	4.011	4.000	4.010	
1453896	at	Pd2d	AK015986	Mm.423205	15	7.249	7.142	7.436	7.339	6.953	7.103	7.149	7.032	6.765	6.842	7.007	7.060	6.804	6.835	6.771	7.359	7.462	7.154	7.395	7.337	7.129	7.229	7.064	6.935	
1453897	at	C030014A21Rik	BB356354	Mm.447534	13	5.956	5.798	5.902	5.973	5.938	5.848	5.942	5.918	5.816	5.747	6.039	5.845	5.926	5.848	6.157	5.951	5.954	5.949	6.074	6.040	5.992	6.111	5.766	5.948	
1453898	at	Itihb1bp3	AK009352	Mm.437211	10	10.461	12.733	9.113	9.767	11.791	9.682	10.382	12.412	12.243	12.626	12.659	11.798	12.020	12.262	11.054	9.312	9.073	9.760	9.733	8.956	8.960	9.016	8.854	9.222	
1453899	at	Rbm6	AK015717	Mm.139926	9	7.533	7.382	7.457	7.283	7.463	7.341	7.430	7.521	7.532	7.383	7.635	7.309	7.568	7.347	7.398	7.291	7.457	7.380	7.585	7.551	7.400	7.487	7.880	7.437	
1453900	at	1700018A14Rik	AK006077	Mm.459704	18	7.410	7.176	7.175	7.347	7.234	7.209	7.233	7.356	7.258	7.087	7.176	7.268	7.261	7.121	7.245	7.317	7.364	7.289	7.290	7.407	7.420	7.447	7.353	7.561	
1453901	at	Abg10323	AK010923	Mm.319192	2	4.370	3.702	3.788	3.772	3.798	3.638	3.726	3.978	3.785	3.696	3.826	3.973	3.826	3.730	3.858	3.742	3.881	3.738	3.881	3.738	3.881	3.738	3.881	3.738	
1453902	at	Ej2a2	A166193	Mm.389702	5	7.717	7.416	7.588	7.445	7.666	7.500	7.586	7.980	7.911	7.819	7.980	7.911	7.819	7.980	7.911	7.819	7.980	7.911	7.819	7.980	7.911	7.819	7.980	7.911	
1453903	at	4930503B20Rik	AK015617	Mm.250432	3	6.468	6.207	6.445	6.434	6.352	6.181	6.541	6.577	6.388	6.272	6.521	6.335	6.366	6.396	6.497	6.350	6.290	6.479	6.466	6.588	6.407	6.350	6.755	6.601	
1453904	at	4930526G09Rik	AK015926	Mm.426695	5	7.305	7.440	7.339	7.398	7.179	7.299	7.441	7.381	6.735	6.741	6.925	7.152	6.911	6.620	6.973	7.226	7.455	7.326	7.499	7.038	7.428	7.993	6.971	6.811	
1453905	at	5033415L01Rik	AI450583	NA	7	7.737	7.771	7.834	7.652	7.656	7.666	7.729	7.639	7.700	7.475	7.796	7.337	7.682	7.499	7.768	7.757	7.499	7.568	7.547	7.851	7.397	7.366	7.573	7.616	
1453906	at	Med13l	AI562059	Mm.206238	5	6.305	5.977	6.044	6.260	6.155	6.127	5.938	6.015	6.387	6.127	6.044	6.143	6.294	6.064	5.961	6.252	6.025	5.854	5.848	5.943	6.003	6.033	5.976	5.967	
1453907	at	C0300041B07Rik	AK021138	NA	6	5.890	5.629	5.998	5.944	5.639	5.892	6.028	5.840	5.438	5.510	5.447	5.619	5.458	5.595	5.683	5.592	5.883	5.946	6.032	5.937	6.043	6.007	6.110	6.337	
1453908	at	Ptfrb	AK019450	Mm.37213	10	6.618	6.543	6.658	6.614	6.478	6.477	6.492	6.922	6.650	6.583	6.599	6.779	6.886	6.560	6.547	6.662	6.851	6.831	6.527	6.662	6.852	7.294	6.698	6.578	
1453909	at	4930505N23Rik	AK019089	Mm.297089	15	5.974	5.455	7.929	5.969	5.985	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	7.918	
1453910	at	4930500A05Rik	AK015653	Mm.444701	17	4.744	4.602	4.742	4.786	4.569	4.586	4.714	4.862	4.601	4.441	4.738	4.620	4.529	4.704	4.593	4.633	4.581	4.643	4.646	4.790	4.798	4.558	4.809	4.668	
1453911	at	NA	AK019816	NA	NA	6.262	5.992	6.238	6.112	6.256	6.178	6.331	6.434	6.068	6.144	6.066	6.229	6.296	6.475	6.211	6.329	6.060	6.088	6.477	6.590	6.101	6.106	6.322	6.333	
1453912	at	Zfp558	AK016584	Mm.289689	9	4.430	4.157	4.224	4.349	4.262	4.361	4.271	4.115	3.953	4.031	4.104	4.251	4.182	4.227	4.178	4.261	4.469	4.472	4.223	4.202	4.507	4.441	4.219	4.316	
1453913	a	at	Tap2	BE691515	Mm.14814	17	8.329	8.387	8.513	8.705	8.438	8.725	8.943	8.812	8.136	8.382	8.356	8.297	8.259	8.273	8.420	8.657	8.588	8.569	8.740	8.676	8.530	8.538	8.400	8.507
1453914	at	Hsp25-ps1	AK019498	Mm.471748	13	4.860	4.347	4.517	4.633	4.474	4.511	4.686	4.596	4.628	4.483	4.489	4.554	4.533	4.511	4.544	4.478	4.596	4.522	4.577	4.835	4.538	4.486	4.609	4.759	
1453915	a	Slc37a3	AK012071	Mm.277527	6	7.560	6.123	7.675	7.787	7.676	7.826																			

1453964	at	1700021A07Rik	AK006189	NA	10	7.286	7.066	7.460	7.447	7.342	7.211	7.327	7.256	7.529	7.368	7.226	7.373	7.297	7.296	7.474	7.305	7.191	7.218	7.586	7.309	7.718	7.357	7.326		
1453965	at	4930432O09Rik	AK015296	Mm.370609	10	4.832	4.557	4.535	4.957	4.764	4.678	5.051	4.995	4.698	4.959	4.377	4.642	4.604	4.744	4.789	4.674	4.894	4.845	4.945	4.896	4.698	4.778	4.990	4.925	
1453966	at	2610008G14Rik	AW457695	Mm.101096	4	6.309	6.227	6.348	6.460	6.406	6.133	6.353	6.252	6.363	6.318	6.545	6.289	6.432	6.329	6.241	6.459	6.162	6.367	6.318	6.679	6.539	6.927	6.512	6.339	
1453967	at	1700093J21Rik	AA1414504	Mm.391818	16	7.085	7.004	6.921	7.053	6.986	6.997	7.021	7.171	6.990	6.836	7.256	6.947	7.202	7.237	7.036	6.994	7.037	6.876	6.873	7.130	7.144	6.991	7.009	6.873	
1453968	at	4833439F03Rik	AK019523	Mm.441257	5	7.852	7.896	7.875	8.025	8.094	7.961	7.986	8.134	8.127	7.957	7.854	8.052	7.964	7.901	7.957	8.144	7.814	7.926	7.956	8.013	7.909	7.872	8.013	7.909	
1453969	at	Pbi1a1	AK014414	Mm.215193	12	4.863	4.800	5.244	4.901	4.697	4.474	4.903	4.778	4.758	4.771	5.116	4.681	4.852	4.657	4.775	5.171	4.555	5.130	4.956	4.909	4.850	4.888	4.4	4.85	
1453970	at	Abc12	AK014713	Mm.159251	1	7.106	6.817	7.026	6.957	6.859	7.195	7.221	6.987	6.930	6.734	7.134	6.658	6.756	6.875	7.061	7.010	6.955	6.981	7.029	7.326	7.003	6.678	7.096	7.171	
1453971	at	2610015P09Rik	AK018435	Mm.209835	16	5.814	5.586	5.763	5.923	5.770	5.882	5.834	5.803	5.775	5.689	5.577	5.610	5.648	5.779	5.656	5.876	5.839	5.800	5.948	5.761	5.762	5.793	5.841	5.736	
1453972	x at	Med1	AK005207	Mm.12926	11	6.409	6.107	6.596	6.464	6.609	6.457	6.749	6.630	5.936	6.012	6.452	6.162	6.155	6.155	6.367	6.797	6.579	6.718	6.786	6.922	6.813	6.566	6.740	6.496	
1453973	s at	2900055H02Rik	AK013719	Mm.163766	NA	7.435	7.078	7.337	7.313	7.081	7.243	7.364	6.906	7.204	7.011	7.106	7.078	6.993	7.111	7.121	7.394	7.229	7.365	7.333	7.430	7.339	7.105	7.333	7.245	
1453974	at	1700023A20Rik	AA144707	Mm.291623	9	7.778	7.359	7.480	7.606	7.421	7.415	7.385	7.467	7.670	7.449	7.491	7.448	7.558	7.525	7.385	7.604	7.560	7.264	7.444	7.587	7.569	7.559	7.731	7.538	
1453975	a at	1700029M20Rik	AK015107	Mm.292326	4	5.843	5.335	5.666	5.653	5.658	5.714	5.592	5.590	5.725	5.430	6.066	5.577	5.712	5.782	5.480	5.576	5.602	5.707	5.842	5.744	5.855	5.463	5.838	5.766	
1453976	at	4432414F05Rik	BB624514	NA	13	8.328	7.690	8.184	8.052	7.863	8.099	8.076	8.198	8.008	8.142	7.960	8.082	8.456	8.112	8.092	8.227	8.777	8.359	8.463	8.416	8.421	8.322	8.239	8.239	
1453977	at	Exoc4	AK014499	Mm.265512	6	4.456	4.433	4.405	4.290	4.256	4.404	4.504	4.263	4.371	4.424	4.426	4.396	4.289	4.499	4.374	4.312	4.420	4.422	4.347	4.514	4.508	4.423	4.492	4.328	
1453978	at	4921522H14Rik	AK019541	Mm.444632	11	6.900	6.531	6.931	6.773	6.861	6.749	6.906	6.828	6.753	6.645	6.833	6.728	6.840	6.791	6.955	7.007	6.793	6.837	6.928	7.267	6.839	6.734	6.777	6.656	
1453979	at	Rbm12b	AK013872	Mm.430709	4	5.922	5.713	6.188	5.955	5.591	5.964	5.961	6.036	5.929	5.874	6.140	5.773	5.819	5.930	6.009	6.251	5.900	6.419	6.185	6.217	5.975	5.716	6.098	5.903	
1453980	at	100043213	BB650926	Mm.388967	X	5.993	5.585	5.835	5.921	5.784	5.775	5.880	5.799	5.789	5.704	5.779	5.564	5.800	5.797	5.746	5.743	5.745	5.904	5.746	6.207	5.828	5.603	6.060	5.925	
1453981	at	2900009I07Rik	BB624336	Mm.440181	19	5.868	5.766	5.738	5.761	5.790	5.676	5.930	5.881	5.764	5.561	5.779	5.618	5.835	5.565	5.571	5.791	5.979	6.015	5.834	6.033	5.546	5.575	5.934	5.785	
1453982	at	Mdm4	AK016849	Mm.472773	1	8.542	8.350	8.556	8.771	8.253	8.528	8.611	8.672	8.347	8.353	8.639	8.384	8.322	8.702	8.583	8.643	8.411	8.518	8.775	8.839	8.549	8.557	8.732	8.683	
1453983	a at	Mett10d	BC003467	Mm.457498	11	9.017	9.475	8.992	9.200	8.883	9.009	9.104	8.982	9.179	9.027	9.145	8.815	8.666	9.223	8.789	9.154	9.030	9.093	9.058	8.857	8.947	8.895	8.898	8.801	
1453984	at	IF30	BG801705	Mm.30241	8	7.176	6.906	7.091	6.978	6.943	7.106	6.974	7.048	6.915	6.896	6.999	6.922	7.136	7.012	7.096	6.987	7.006	6.987	6.984	7.035	7.010	6.918	6.788	7.035	
1453985	at	0610007P08Rik	AK002307	Mm.186610	13	4.380	4.113	4.334	4.322	4.237	4.502	4.775	4.283	4.656	4.434	4.410	4.295	4.269	4.689	4.480	4.633	4.595	4.365	4.408	4.347	4.402	4.326	4.462	4.550	
1453986	at	Liq3	AK010719	Mm.277136	11	6.291	5.790	6.255	6.163	6.222	6.393	6.235	6.314	6.224	6.025	6.268	6.217	6.124	6.200	6.315	6.434	6.209	6.066	6.416	6.349	6.418	6.356	6.386	6.423	
1453987	at	Khi28	AK013278	Mm.248678	12	5.259	4.753	5.206	5.064	4.951	5.114	4.993	4.763	5.036	4.837	5.019	4.765	4.953	4.950	4.911	5.162	4.714	4.487	5.062	5.096	5.052	4.790	5.403	4.965	
1453988	a at	Ide	AK014703	Mm.28366	19	7.147	7.099	7.612	7.522	7.784	7.644	7.220	6.218	6.540	7.514	7.125	6.944	7.024	7.071	7.465	7.711	6.477	6.858	7.585	7.665	7.027	6.407	7.315	7.812	
1453989	at	Stxbp4	AK012293	Mm.207203	11	6.856	6.604	6.602	6.668	6.676	6.683	6.732	6.591	6.546	6.401	6.582	6.649	6.641	6.628	6.544	6.651	6.765	6.566	6.636	6.639	6.961	6.782	6.801	6.776	
1453990	at	4930154G24Rik	AK019523	Mm.108492	11	5.283	5.236	5.585	5.586	5.293	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	5.586	
1453991	at	Cenpo	AK019198	Mm.454057	12	6.411	6.106	6.328	6.222	5.968	6.186	6.222	5.968	6.186	6.222	5.968	6.186	6.222	5.968	6.186	6.222	5.968	6.186	6.222	5.968	6.186	6.222	5.968	6.186	6.222
1453992	at	Zpnb	AK015633	Mm.9500	11	6.442	6.027	6.430	6.325	6.363	6.313	6.464	6.322	6.163	6.275	6.487	6.222	6.241	6.193	6.361	6.594	6.348	6.489	6.513	6.588	6.269	6.417	6.617	6.372	
1453993	a at	Bni2	AK014659	Mm.159777	9	9.772	10.123	9.713	9.710	9.854	9.871	9.766	10.195	9.974	9.756	9.940	9.975	9.773	10.020	9.828	9.738	10.132	9.927	9.784	9.800	9.943	10.040	9.729	9.794	
1453994	at	C230094A16Rik	AK013815	Mm.445271	11	6.047	5.670	5.895	5.858	5.883	5.874	6.012	5.894	6.018	5.874	5.837	5.874	5.940	6.004	5.784	5.942	6.075	5.937	6.054	6.114	6.005	5.851	5.839	5.709	
1453995	a at	Htf9c	AK017819	Mm.271798	16	6.109	6.312	6.179	6.181	6.183	6.149	6.059	6.213	6.190	5.946	6.209	6.036	6.171	6.285	6.141	6.225	6.171	6.253	6.234	6.338	6.190	6.091	6.216	6.076	
1453996	a at	Cts3	AK005389	Mm.279933	13	4.198	3.910	4.023	4.076	4.026	3.912	3.938	4.173	4.022	3.979	3.891	3.917	4.004	4.038	3.972	4.083	4.034	3.994	3.840	4.087	4.029	3.929	4.103	4.000	
1453997	a at	Nes	AK012622	Mm.331129	3	6.574	7.876	6.262	6.332	7.034	6.371	6.295	6.734	7.288	6.983	7.758	7.082	7.256	7.182	6.993	6.340	6.355	6.194	6.223	6.417	6.347	6.332	6.202	6.202	
1453998	at	Ubr8	AK019661	Mm.339963	1	6.086	5.928	6.232	5.929	5.923	5.969	6.234	5.989	6.015	6.073	5.925	6.236	6.588	5.943	6.287	6.154	6.002	6.186	6.454	6.395	6.392	6.126	6.126	6.126	
1453999	at	4921511H13Rik	AK017495	Mm.328688	16	7.929	7.795	7.868	7.963	7.832	7.828	7.903	7.721	7.702	7.629	7.845	7.787	7.693	7.823	7.753	7.918	7.838	7.776	7.784	8.030	7.928	7.712	7.961	8.036	
1454000	a at	4930578N16Rik	BE282424	Mm.195726	2	4.104	4.144	3.988	4.147	4.029	4.108	4.079	4.167	4.147	3.903	4.111	4.102	4.063	3.892	4.042	4.054	4.351	3.931	3.901	4.072	4.059	4.433	4.024	4.018	
1454001	at	Btf3	BE334842	Mm.371688	13	7.591	7.421	7.456	7.482	7.380	7.371	7.560	7.518	7.471	7.281	7.443	7.462	7.425	7.392	7.348	7.527	7.618	7.520	7.454	7.501	7.762	7.393	7.474	7.600	
1454002	at	NA	AK012512	NA	NA	7.811	7.564	7.510	7.888	7.786	7.635	7.505	7.769	7.232	7.244	7.398	7.519	7.528	7.309	7.297	7.592	8.099	7.902	7.626	7.739	7.958	8.085	7.686	7.688	
1454003	at	Afg31	AK009650	Mm.426052	18	6.554	6.451	6.670	6.554	6.469	6.529	6.656	6.392	6.222	6.448	6.616	6.231	6.485	6.667	6.459	6.744	6.390	6.314	6.615	6.661	6.366	6.351	6.485	6.514	
1454004	at	5033414K04Rik	AV288734	Mm.187470	1	6.886	5.767	5.794	5.647	5.599	5.487</																			

1454053	at	Slc9a9	AK017792	Mm.326125	9	5.200	5.197	5.226	5.296	5.217	5.400	5.492	4.946	5.226	5.263	5.204	5.197	4.969	5.428	5.189	5.314	5.045	5.202	5.343	5.102	5.197	5.166	5.097	4.988
1454054	at	4930459123Rik	AK015488	Mm.159300	3	5.974	5.598	5.944	5.933	5.531	5.970	5.941	5.783	5.867	5.972	6.053	6.001	5.728	5.867	6.188	6.086	5.984	5.952	6.079	6.272	5.939	5.804	5.876	6.196
1454055	at	1600029015Rik	AK005564	NA	9	6.373	6.527	6.345	6.511	6.240	6.217	6.672	6.764	6.437	6.603	6.810	6.677	6.334	6.648	6.479	6.129	6.562	6.234	6.308	6.128	6.767	6.674	6.128	6.251
1454056	at	90304072P0Rik	AK018490	Mm.138127	7	7.637	7.494	7.683	7.768	7.670	7.352	7.734	7.806	7.616	7.483	7.443	7.534	7.633	7.511	7.545	7.756	7.757	7.659	7.905	7.682	7.719	7.537	7.669	7.571
1454057	at	49304701B0Rik	AK015531	NA	1	7.711	7.494	7.803	7.862	7.786	7.659	7.663	7.717	7.566	7.507	7.743	7.713	7.578	7.593	7.659	7.584	7.578	7.584	7.578	7.584	7.771	7.620	7.801	8.002
1454058	at	49314062D0Rik	AK016433	Mm.444761	11	6.626	6.324	6.645	6.570	6.344	6.643	6.648	6.473	6.569	6.389	6.280	6.519	6.335	6.565	6.395	6.676	6.648	6.504	6.372	6.708	6.594	6.668	6.434	6.748
1454059	at	4930500F04Rik	AK016439	Mm.78499	5	7.505	7.393	7.474	7.589	7.348	7.437	7.531	7.407	7.519	7.471	7.421	7.494	7.309	7.430	7.452	7.326	7.481	7.504	7.489	7.732	7.469	7.371	7.304	7.726
1454060	a	Nras	AK010412	Mm.400954	3	8.726	9.660	8.500	8.677	9.141	8.658	8.760	9.169	9.426	9.456	9.316	9.122	9.094	9.288	8.919	8.563	8.794	8.650	8.641	8.510	9.029	9.225	8.821	8.436
1454061	at	Thumpp3	AK017246	Mm.781	6	5.409	5.379	5.182	5.570	5.496	5.045	5.169	5.348	5.548	5.560	5.515	5.330	5.256	5.286	5.224	5.056	5.235	5.409	5.372	5.090	5.360	5.542	5.321	5.236
1454062	at	4933402D24Rik	AK016612	Mm.159197	1	6.203	6.193	6.347	6.327	6.193	6.150	6.263	6.393	6.079	6.041	6.320	6.150	6.225	6.375	6.283	6.272	6.285	6.165	6.286	6.267	6.271	6.243	6.334	6.393
1454063	at	4933412E24Rik	AK016789	Mm.425950	15	6.188	6.264	6.303	6.215	6.103	6.394	6.532	6.171	6.242	6.289	6.370	6.150	6.272	6.266	6.234	6.317	6.243	6.020	6.151	6.286	6.443	6.190	6.248	6.125
1454064	at	Rnt138	AK013419	Mm.253542	18	6.769	7.401	6.990	6.649	6.859	7.178	7.018	7.409	7.073	7.249	7.710	7.220	7.314	7.037	7.158	6.856	7.082	6.984	6.926	6.779	7.058	7.212	6.769	6.871
1454065	at	4930562D21Rik	AK016199	Mm.410805	9	5.100	4.748	4.944	4.853	4.874	4.603	4.732	4.669	5.099	4.815	5.011	4.880	4.945	4.843	4.934	4.718	5.114	4.610	4.776	4.760	4.456	4.763	5.007	4.631
1454066	at	Mina	AK014426	Mm.289150	16	6.665	6.662	6.741	6.684	6.688	6.715	6.600	6.529	6.350	6.548	6.667	6.438	6.594	6.490	6.453	6.651	6.488	6.830	6.542	6.621	6.614	6.602	6.737	6.621
1454067	a	4931406C07Rik	AK016432	Mm.261842	9	7.054	7.350	6.795	7.127	7.168	7.044	7.271	7.092	7.177	7.269	7.076	7.151	7.129	6.929	7.147	7.090	7.085	6.914	7.201	7.128	7.060	7.189	6.944	6.953
1454068	at	4930470H14Rik	AK015535	Mm.183387	17	6.237	6.079	5.974	6.044	6.021	5.981	6.104	5.981	5.861	5.846	5.879	5.968	6.054	5.947	6.037	6.048	5.977	5.966	6.105	5.927	6.042	6.152	6.058	6.183
1454069	at	9030409C19Rik	AK018495	NA	17	6.963	6.337	6.833	6.733	6.687	6.671	6.836	6.753	6.353	6.439	6.681	6.445	6.597	6.605	6.678	6.796	6.691	6.653	6.921	6.651	6.817	6.554	6.778	6.790
1454070	a	Ddhd1	AK014975	Mm.121918	14	6.020	5.812	5.842	6.007	5.862	6.008	5.850	5.757	5.855	6.030	5.685	5.898	5.968	5.822	5.811	5.932	5.560	5.841	6.033	6.018	5.772	5.544	6.075	5.889
1454071	at	Lvk6	AK014121	Mm.273319	15	6.301	6.128	6.159	6.394	6.314	6.105	6.212	6.317	6.359	6.323	6.317	6.133	6.232	6.275	6.265	6.096	6.158	6.067	6.269	6.287	6.324	6.131	6.243	6.080
1454072	at	4931417B20Rik	AK014627	NA	5	6.715	6.302	6.539	6.730	6.533	6.531	6.618	6.595	6.676	6.258	6.624	6.351	6.440	6.665	6.484	6.548	6.366	6.529	6.648	6.602	6.577	6.481	6.829	6.622
1454073	at	4930455D15Rik	AK015461	Mm.382634	18	5.608	5.223	5.658	5.658	5.389	5.549	5.621	5.617	5.536	5.579	5.753	5.366	5.531	5.625	5.549	5.627	5.466	5.406	5.667	5.576	5.599	5.501	5.680	5.654
1454074	a	Rsrc2	AK005213	Mm.276341	5	10.226	10.047	10.054	9.943	10.154	10.031	10.079	10.165	9.877	10.058	10.107	10.069	9.967	10.045	10.175	10.110	10.070	9.971	10.126	9.987	10.254	10.363	9.988	10.132
1454075	s	Nudt13	BC021366	Mm.317636	14	8.713	8.394	8.661	8.732	8.817	8.601	8.977	8.718	8.427	8.642	8.620	8.890	8.616	8.339	8.790	8.791	8.712	8.967	8.893	8.884	8.607	8.606	8.488	8.771
1454076	at	Lrrc17	AK014767	Mm.439963	5	6.151	5.698	5.825	5.935	5.750	5.759	5.938	5.797	5.567	5.717	5.804	5.714	5.421	5.626	5.691	5.792	5.786	5.854	5.799	5.893	6.045	5.945	5.905	6.073
1454077	at	Vt1a	AK014541	Mm.258637	19	7.009	6.891	7.161	7.169	7.271	7.152	7.210	7.217	7.233	7.163	7.270	7.133	7.120	7.133	6.988	7.159	7.064	7.062	7.197	6.954	7.174	7.189	7.199	6.923
1454078	a	Gal3st1	AK002510	Mm.103414	11	7.171	6.960	7.170	7.307	7.119	6.989	7.155	7.281	7.231	7.066	7.150	7.073	7.103	7.145	6.928	7.081	7.399	6.899	7.067	7.146	7.155	7.032	7.155	7.173
1454079	at	4930400F03Rik	AK013912	Mm.398212	10	5.545	5.084	5.327	5.536	5.200	5.238	5.275	5.395	5.157	5.375	5.186	5.259	5.339	5.277	5.211	5.486	5.527	5.277	5.211	5.486	5.527	5.486	5.527	5.486
1454080	at	Klfh26	AK014702	Mm.196226	6	5.577	5.366	5.152	5.346	5.474	5.466	5.346	5.474	5.466	5.346	5.474	5.466	5.346	5.474	5.466	5.346	5.474	5.466	5.346	5.474	5.466	5.346	5.474	5.466
1454081	at	NA	AK016846	NA	NA	5.637	5.464	5.637	5.417	5.476	5.555	5.567	5.602	5.552	5.311	5.677	5.447	5.566	5.595	5.586	5.645	5.594	5.573	5.594	5.805	5.684	5.500	5.429	5.604
1454082	a	Glyd2	AK010828	Mm.280573	7	5.375	5.637	5.557	5.714	5.659	5.863	5.786	5.798	5.788	5.778	5.556	5.921	5.760	5.602	5.730	5.573	5.962	5.997	5.871	5.771	5.866	5.513	5.516	6.046
1454083	at	4930440C22Rik	AK015347	Mm.399187	1	4.482	4.223	4.366	4.124	4.159	4.585	4.150	4.111	4.183	3.923	4.291	3.963	4.291	4.193	4.239	4.288	4.255	4.183	4.470	4.609	4.078	4.235	4.301	4.300
1454084	a	Senn8	AK018606	Mm.279070	9	7.660	7.682	7.656	7.754	7.658	7.566	7.481	7.577	7.725	7.580	7.721	7.635	7.496	7.550	7.363	7.742	7.478	7.774	7.743	7.971	7.834	7.717	7.620	7.620
1454085	at	4933409D19Rik	AK016750	Mm.373897	1	7.121	6.929	7.066	7.101	6.996	7.214	7.018	7.180	7.003	6.920	7.115	7.064	7.142	6.783	6.997	6.980	7.088	7.199	7.018	7.167	7.159	6.993	7.077	7.157
1454086	a	Lmo2	AK013416	Mm.29266	2	10.446	10.694	10.522	10.875	10.777	10.889	10.789	10.861	10.741	10.736	10.495	10.900	10.754	10.604	10.592	10.450	10.886	10.765	10.459	10.639	10.852	10.783	10.343	10.247
1454087	at	Zfp58	AK017622	Mm.26479	5	6.451	6.236	6.535	6.443	6.132	6.342	6.338	6.455	6.287	6.258	6.214	6.240	6.435	6.486	6.393	6.596	6.364	6.571	6.367	6.527	6.391	6.505	6.347	6.476
1454088	at	5330411013Rik	AK017240	Mm.402126	7	6.820	6.719	6.520	6.678	6.577	6.789	6.489	6.797	6.553	6.436	6.796	6.600	6.527	6.647	6.578	6.606	6.475	6.582	6.640	6.820	6.537	6.634	6.839	6.738
1454089	at	Apobec4	AK017014	Mm.158650	1	4.829	4.727	5.043	4.843	4.740	4.940	4.847	4.730	4.749	4.742	5.010	4.722	4.850	4.934	4.948	4.965	4.815	5.127	4.746	5.054	4.931	4.657	4.806	4.836
1454090	at	Pds1	AK012307	Mm.249752	2	5.739	6.002	5.609	5.637	5.617	5.596	5.921	5.681	5.771	6.057	5.936	5.519	5.372	5.899	5.397	5.733	5.559	5.270	5.457	5.631	5.517	5.359	5.672	5.937
1454091	at	Psq21	AK005540	Mm.326858	7	5.893	5.779	5.942	5.702	5.801	5.915	6.100	5.920	5.791	5.808	5.925	5.609	5.876	5.939	5.650	5.920	5.821	5.898	5.893	5.985	5.766	5.738	5.855	5.822
1454092	a	Gt2h3	AK017176	Mm.185467	5	8.753	8.753	8.634	8.791	8.741	8.811	8.691	8.397	8.712	8.717	8.680	8.621	8.681	8.832	8.661	8.812	8.607	8.839	8.823	8.814	8.574	8.421	8.880	8.777
1454093	at	493346120Rik	AK017086	Mm.298855	1	4.736	4.572	4.452	4.546	4																			

1454142	a	at	Pwp1	AK011891	Mm.18834	10	7.586	7.541	7.561	7.572	7.808	7.602	7.294	7.238	7.531	7.795	7.440	7.531	7.728	7.600	7.754	7.180	7.336	7.831	7.854	7.115	7.031	7.715	7.699
1454143	at		4930442H23Rik	AK015362	Mm.10294	10	5.386	5.437	5.586	5.517	5.326	5.333	5.435	5.549	5.437	5.349	5.586	5.233	5.386	5.489	5.372	5.503	5.370	5.635	5.433	5.684	5.504	5.450	5.530
1454144	a	at	Ccnc	AK014079	Mm.278584	4	4.556	5.051	4.694	4.633	4.494	4.474	4.525	4.659	4.712	4.470	4.680	4.715	4.768	4.584	4.736	4.702	4.478	4.578	4.481	4.808	4.567	4.450	4.861
1454145	at		Pla2r1	AK011427	Mm.5092	2	6.336	5.995	6.225	6.435	6.249	6.231	6.290	6.208	6.243	5.882	6.236	5.965	6.067	6.184	6.211	6.254	6.187	6.353	6.231	6.331	6.160	6.211	6.408
1454146	at		9530036M11Rik	AK020590	Mm.445348	6	5.245	4.982	5.106	5.241	5.179	5.367	5.334	5.056	5.174	5.224	5.393	5.218	5.292	5.216	5.441	5.281	5.117	5.232	5.279	5.258	5.264	5.163	5.458
1454147	at		2810429104Rik	AK013191	Mm.296923	13	7.783	3.657	3.894	3.609	3.779	3.400	3.675	3.759	3.798	3.758	3.733	3.786	3.654	3.683	3.950	3.740	3.852	3.862	3.961	3.918	3.693	3.690	3.832
1454148	at		4930443B20Rik	AK015368	Mm.399197	11	5.567	5.450	5.461	5.795	5.478	5.406	5.518	5.633	5.541	5.224	5.506	5.193	5.482	5.535	5.314	5.514	5.451	5.639	5.627	5.556	5.631	5.526	5.634
1454149	a	at	Ccml2	AK008585	Mm.23492	4	10.035	10.056	9.905	10.011	10.497	10.371	10.415	10.157	10.306	10.490	10.081	10.205	10.240	9.999	10.225	9.843	10.237	10.382	10.250	10.095	10.210	10.472	10.463
1454150	at		4930453003Rik	AK015456	Mm.449991	1	6.219	5.867	6.338	6.355	6.096	6.257	6.223	6.291	6.198	6.156	6.036	6.218	6.047	6.339	6.233	6.296	6.375	6.421	6.343	6.388	6.296	6.351	6.45
1454151	at		Tmem167	AK019962	Mm.241387	13	8.043	7.421	7.715	7.838	7.691	7.816	7.743	7.788	8.126	7.618	8.014	7.784	7.837	7.963	7.744	7.786	7.699	7.647	7.556	7.744	7.863	7.699	7.979
1454152	a	at	Gkr4	AK020792	Mm.117076	5	4.827	5.135	4.989	5.227	5.062	4.836	4.936	5.201	5.044	5.156	4.865	5.134	5.170	4.989	5.102	5.047	5.335	5.488	5.043	5.011	5.147	5.228	5.262
1454153	at		493055624ARik	AK016148	NA	11	6.424	6.095	6.191	6.201	6.140	6.315	6.354	6.401	6.252	6.170	6.372	6.073	6.414	6.286	6.166	6.288	6.233	6.192	6.272	6.411	6.365	6.014	6.458
1454154	at		4930416108Rik	AK016833	Mm.369063	X	7.527	6.994	7.465	7.281	7.155	7.358	7.578	7.227	6.945	7.032	7.386	7.100	7.002	7.233	7.248	7.390	7.283	7.359	7.481	7.681	7.741	6.960	7.336
1454155	at		4930500H12Rik	AK015664	Mm.364748	16	4.306	4.339	4.297	4.390	4.276	4.415	4.272	4.376	4.367	4.211	4.462	4.232	4.229	4.355	4.183	4.415	4.318	4.430	4.246	4.237	4.415	4.366	4.16
1454156	at		2810022L02Rik	AK020712	Mm.159989	1	7.325	7.152	7.201	7.328	7.262	7.224	7.302	7.443	7.239	7.110	7.321	7.441	7.345	7.256	7.267	7.295	7.445	7.202	7.381	7.357	7.521	7.333	7.298
1454157	a	at	Pla2q2d	AK004232	Mm.71913	4	5.798	5.080	5.618	5.673	5.550	5.632	5.636	5.432	5.287	5.184	5.578	5.526	5.488	5.514	5.416	5.512	5.604	5.517	5.528	5.657	5.775	5.531	5.578
1454158	at		Mmp7	AK012883	Mm.133293	18	8.432	8.729	8.927	8.469	8.551	8.689	8.644	8.710	8.960	9.192	8.967	8.778	8.875	8.912	8.845	8.840	8.599	8.836	8.929	8.727	8.435	8.459	8.670
1454159	a	at	lftbpb2	AK011784	Mm.141936	1	6.163	6.009	5.839	6.089	5.923	7.085	6.090	6.614	6.347	6.169	7.050	6.283	6.711	6.557	5.860	5.976	5.779	5.977	6.106	5.934	5.877	5.979	5.964
1454160	at		4930483C13Rik	AK019561	Mm.399086	10	4.486	4.621	4.337	4.469	4.345	4.331	4.442	4.250	4.328	4.470	4.378	4.378	4.390	4.372	4.291	4.416	4.408	4.413	4.506	4.514	4.407	4.370	4.533
1454161	s	at	0610007P14Rik	AK002308	Mm.143795	12	7.728	8.098	7.921	7.710	7.913	7.916	7.952	7.720	8.336	8.156	7.985	8.030	7.952	8.242	7.902	7.770	7.692	7.979	7.900	7.831	7.840	7.757	7.727
1454162	at		4930518P08Rik	AK015835	Mm.427318	NA	7.624	7.309	7.515	7.562	7.386	7.505	7.534	7.537	7.320	7.395	7.716	7.478	7.510	7.493	7.483	7.650	7.608	7.440	7.532	7.435	7.587	7.649	7.531
1454163	at		5730420D15Rik	AK017586	Mm.158398	10	5.298	5.051	5.181	5.171	5.114	5.195	5.106	5.237	5.211	5.132	5.327	5.069	5.341	5.627	5.264	5.343	5.232	5.337	5.032	5.273	5.290	4.917	5.077
1454164	at		4921523L03Rik	AK014951	Mm.276155	NA	6.770	6.676	6.642	6.829	6.841	6.707	6.752	6.679	6.713	6.676	6.903	6.745	6.746	6.692	6.853	6.787	6.844	7.077	6.854	7.119	6.876	6.819	6.612
1454165	at		1700025K04Rik	AK006351	Mm.381242	10	5.722	5.521	5.847	5.943	5.749	5.946	5.660	5.823	5.624	5.531	5.807	5.581	5.735	5.731	5.836	6.005	5.762	5.955	6.032	6.195	6.031	5.559	5.979
1454166	at		1700040N02Rik	AK006663	Mm.443297	2	6.977	6.544	6.881	6.854	6.714	6.457	6.627	6.684	6.546	6.471	6.762	6.549	6.605	6.687	6.727	6.815	6.623	6.663	6.522	6.896	6.681	6.615	6.744
1454167	at		Nr2c2	AK007114	Mm.383196	6	6.690	6.358	6.675	6.633	6.562	6.622	6.756	6.633	6.745	6.643	6.857	6.555	6.732	6.780	6.624	6.681	6.781	6.581	6.693	6.724	6.997	6.662	6.735
1454168	a	at	Cpnb	AK013806	Mm.38134	7	6.310	6.387	6.568	6.678	6.086	6.767	6.086	6.366	6.346	6.570	6.437	6.814	6.672	6.856	6.706	6.686	6.919	6.948	6.948	6.919	6.948	6.919	6.948
1454169	at		1Epsi1	AK017174	Mm.68134	11	4.328	4.397	4.345	4.154	4.207	4.232	4.168	4.240	4.232	4.168	4.240	4.232	4.168	4.240	4.232	4.168	4.240	4.232	4.168	4.240	4.232	4.168	4.240
1454170	at		E130110E03Rik	AK021364	Mm.410759	9	6.772	6.467	6.645	6.751	6.462	6.489	6.595	6.698	6.492	6.275	6.925	6.534	6.484	6.493	6.481	6.514	6.685	6.482	6.675	6.643	6.604	6.442	6.835
1454171	x	at	9530053H05Rik	AK020608	Mm.326532	19	7.090	7.331	6.610	6.862	7.189	6.804	6.938	6.313	7.917	7.717	6.917	6.485	6.544	6.444	6.177	6.817	6.657	7.025	6.657	6.799	6.786	6.849	6.702
1454172	at		Shc2d1	AK020114	Mm.210146	X	6.836	6.686	6.873	6.656	6.647	6.604	6.672	6.830	6.878	6.615	6.758	6.842	6.734	6.714	6.960	6.694	6.454	6.784	6.694	6.777	6.656	6.745	6.914
1454173	at		Bsd2b	AK020787	Mm.235694	14	5.646	5.886	5.848	5.824	5.854	5.728	5.744	5.833	5.858	5.788	5.820	5.776	5.934	5.813	5.775	5.807	6.080	6.094	5.814	5.799	5.814	5.874	5.602
1454174	a	at	C330007P06Rik	AK021190	Mm.290704	X	6.655	6.738	6.216	6.461	6.551	6.513	6.381	6.437	6.280	6.303	6.473	6.374	6.570	6.526	6.371	6.442	6.369	6.461	6.469	6.668	6.693	6.624	6.203
1454175	at		4930517N10Rik	AK015817	Mm.141451	9	7.217	6.872	7.033	7.087	7.001	7.080	7.081	7.102	6.998	6.872	7.371	7.056	7.060	7.114	7.035	7.185	7.219	7.065	7.188	7.264	7.298	7.245	7.231
1454176	at		4930517N10Rik	AK015817	Mm.141451	9	7.217	6.872	7.033	7.087	7.001	7.080	7.081	7.102	6.998	6.872	7.371	7.056	7.060	7.114	7.035	7.185	7.219	7.065	7.188	7.264	7.298	7.245	7.231
1454177	at		4930597G03Rik	AK016405	Mm.402100	14	4.872	4.566	4.854	4.839	4.950	4.850	4.860	4.714	4.851	4.633	4.870	4.824	4.826	4.830	4.900	4.924	4.866	4.827	4.917	5.075	5.138	4.940	4.811
1454178	at		2610022F03Rik	AK016405	Mm.158306	1	7.594	7.205	7.281	7.316	7.180	7.207	7.268	7.532	7.348	7.092	7.441	7.176	7.053	7.252	7.180	7.326	7.480	7.361	7.338	7.251	7.503	7.352	7.410
1454179	at		4930406K04Rik	AK015628	Mm.159404	12	5.360	4.941	5.106	5.087	5.216	5.117	5.265	5.074	5.080	4.954	4.970	5.128	5.251	5.046	5.087	5.180	4.882	5.080	4.997	5.131	5.197	5.083	5.055
1454180	at		Armc2	AK011447	Mm.211320	10	5.709	5.640	5.678	5.558	5.601	5.517	5.521	5.569	5.689	5.551	5.579	5.713	5.573	5.669	5.631	5.535	5.398	5.512	5.708	5.574	5.479	5.699	5.509
1454181	at		4930519B02Rik	AK015837	Mm.159433	7	7.131	6.510	7.128	7.088	6.876	7.015	7.171	6.913	6.917	6.811	6.905	6.878	7.012	7.073	7.021	7.218	6.896	6.958	7.004	7.127	7.016	6.951	7.125
1454182	at		5430417C01Rik	AK019946	NA	7	8.446	8.383	8.478	8.372	8.152	8.520	8.492	8.502	8.409	8.239	8.453	8.498	8.430	8.514	8.442	8.455	8.359	8.511	8.426	8.4			

1454231	a	at	Rprip1	AK015037	Mm.21662	14	5.721	5.159	5.610	5.703	5.544	5.636	5.685	5.674	5.512	5.395	5.592	5.346	5.442	5.659	5.691	5.566	5.538	5.629	5.548	5.548	5.718	5.706	5.497	5.794	
1454232	at		9430027B09Rik	AK020441	NA	5	5.446	5.087	5.156	5.534	5.077	5.076	5.311	5.165	5.424	4.936	5.271	5.116	5.183	5.357	5.333	5.212	5.141	5.438	5.172	5.220	5.017	5.012	5.232	5.237	
1454233	at		2310006M14Rik	AK009188	Mm.159735	1	8.321	7.839	8.102	8.184	7.988	7.942	8.075	8.051	8.051	7.807	7.997	7.922	7.992	8.202	8.019	8.050	7.943	7.874	7.980	8.152	8.171	8.059	8.054	8.242	
1454234	at		Wbscr2B	AK007170	Mm.159750	5	7.315	7.088	7.105	7.272	7.255	7.072	7.122	7.103	7.327	7.133	7.302	7.178	7.231	7.374	7.169	7.067	7.171	7.103	7.175	7.300	7.390	6.998	7.096	7.081	
1454235	a	at	Unsc6	AK006421	Mm.64065	1	6.359	7.037	7.089	7.133	7.218	7.180	7.262	7.218	7.371	7.036	7.246	7.227	7.315	7.272	7.261	7.157	7.258	7.198	7.213	7.353	7.291	7.298	7.312	7.362	
1454236	at		C030004A17Rik	AK012261	Mm.24197	13	7.520	7.546	7.512	7.558	7.769	7.434	7.407	7.040	7.061	7.178	7.052	7.309	7.402	7.062	7.275	7.495	7.372	7.695	7.495	7.372	7.400	7.534	7.502	7.460	
1454237	at		SptaP4	AK016416	Mm.443291	1	8.231	7.700	8.012	8.040	7.969	7.854	8.033	8.082	7.886	7.864	7.842	7.868	7.901	7.870	7.893	8.031	7.908	7.955	7.983	8.091	7.957	7.875	7.899	8.073	
1454238	a	at	1700010H22Rik	AK005827	Mm.79012	5	4.950	5.113	4.779	4.953	4.885	4.930	4.879	4.944	5.055	5.046	5.093	4.929	5.282	4.905	4.936	4.874	5.038	4.979	5.042	4.820	5.059	4.830	5.073	4.781	
1454239	at		4930578G10Rik	AK016301	Mm.380011	4	7.304	7.100	7.139	7.155	7.049	7.138	7.217	6.902	7.135	6.941	7.284	7.148	7.181	7.189	7.132	7.129	7.470	7.202	7.245	7.070	7.336	7.243	7.470	7.481	
1454240	at		Nfe213	AK020550	Mm.42138	6	6.750	6.466	6.593	6.596	6.596	6.560	6.620	6.399	6.426	6.425	6.588	6.694	6.441	6.526	6.597	6.792	6.838	6.671	6.687	6.814	6.673	6.621	6.626	6.682	
1454241	at		Rwd11	AK012504	Mm.28528	10	5.148	4.957	5.380	5.178	5.151	4.999	5.161	5.183	5.165	5.220	5.573	5.147	5.073	5.093	5.189	5.358	5.264	5.155	5.306	5.082	5.107	5.354	5.004	5.379	
1454242	at		2310079G19Rik	AK010217	Mm.158296	16	6.752	6.174	6.398	6.431	6.428	6.323	6.442	6.544	6.461	6.409	6.365	6.590	6.508	6.346	6.255	6.559	6.404	6.139	6.469	6.567	6.683	6.347	6.396	6.474	
1454243	at		lck	AK009991	Mm.288719	9	8.352	7.922	8.158	8.269	8.332	8.264	8.162	8.273	8.158	8.044	8.115	8.268	8.287	7.988	8.079	8.216	8.627	8.342	8.273	8.272	8.838	8.521	8.474	8.111	
1454244	at		Mcm10	AK021211	Mm.23828	2	5.230	5.206	5.533	5.347	5.322	5.235	5.204	5.328	5.098	5.081	5.500	5.184	5.217	5.222	5.111	5.349	5.277	5.231	5.445	5.560	5.414	5.163	5.223	5.440	
1454245	at		Csm3d	AK015672	Mm.309363	15	5.850	5.717	5.935	5.782	5.815	5.978	5.750	5.849	5.796	5.702	5.981	5.793	5.784	5.955	5.912	5.906	5.969	5.755	5.919	6.026	5.729	5.601	5.771	5.977	
1454246	at		St3qa6	AK006263	Mm.212742	16	6.135	6.078	5.900	6.300	6.057	5.985	6.110	6.505	6.293	6.034	6.279	6.158	6.379	6.108	6.056	6.003	6.320	6.227	6.214	6.109	6.262	6.199	6.61	6.145	
1454247	a	at	Gpa33	AK008784	Mm.46357	1	7.026	6.547	6.945	6.894	6.794	7.087	7.006	6.761	6.475	6.784	6.778	6.700	6.765	6.584	6.685	6.772	6.667	6.709	6.952	6.782	7.083	6.518	6.800	6.898	
1454248	at		Cib4	AK006670	Mm.443299	5	7.626	7.350	7.547	7.502	7.449	7.477	7.502	7.586	7.498	7.360	7.778	7.320	7.477	7.365	7.466	7.501	7.619	7.441	7.492	7.641	7.590	7.711	7.531	7.458	
1454249	at		D530049N12Rik	AK021319	Mm.462991	4	6.305	5.719	6.145	6.065	5.897	6.120	6.330	5.977	5.795	5.846	6.291	5.756	5.922	5.948	6.019	6.011	6.169	6.210	6.255	6.270	6.306	5.996	6.059	6.372	
1454250	at		Unsc6b	AK016259	Mm.159621	6	6.597	6.725	6.842	6.667	6.452	6.671	6.671	6.713	6.642	6.482	6.711	6.505	6.598	6.593	6.513	6.793	6.813	6.406	6.580	6.376	6.449	6.528	6.378	6.534	
1454251	at		1700034J04Rik	AK006597	NA	12	7.223	6.865	7.280	7.134	7.135	7.306	7.332	7.050	7.034	7.009	7.117	7.053	7.088	7.017	7.315	7.343	7.267	7.213	7.160	7.395	7.054	6.896	7.059	7.412	
1454252	at		8030453Q22Rik	AK020207	Mm.125693	6	7.146	6.750	6.907	7.075	6.870	6.910	6.905	6.643	6.896	6.725	6.918	6.730	6.727	6.982	6.877	6.980	6.820	6.829	6.976	6.926	7.004	6.782	7.000	6.911	
1454253	at		2810452K22Rik	AK007812	Mm.287157	12	5.995	5.970	5.985	5.976	5.937	5.950	5.942	5.903	6.006	5.931	6.226	5.870	5.998	5.876	6.060	5.899	6.006	5.782	5.924	5.866	5.976	5.988	5.876	5.916	
1454254	s	at	2600029D21Rik	AK002767	Mm.29959	9	6.110	5.713	5.962	6.059	5.865	5.921	6.003	5.879	5.967	5.702	6.152	5.909	6.110	6.065	5.892	6.047	5.944	5.857	6.035	5.884	6.061	5.947	6.054	6.062	
1454255	at		543034F05Rik	AK019948	NA	6	7.332	6.906	7.220	7.392	7.190	7.248	7.183	7.319	7.146	6.969	7.243	7.103	7.230	7.027	7.032	7.103	7.360	7.148	7.045	7.274	7.306	7.264	7.239	7.197	
1454256	s	at	1700113J22Rik	AK004415	Mm.472804	11	8.960	9.111	8.762	8.742	9.098	8.617	8.831	9.059	9.211	9.314	9.051	9.049	8.892	8.535	8.653	8.846	8.771	8.836	8.714	8.761	8.872	8.599	8.497	8.487	
1454257	at		Unsc6	AK009853	Mm.595	12	6.587	6.037	6.086	6.046	6.518	6.577	6.616	6.785	6.677	6.462	6.509	6.841	6.516	6.599	6.519	6.618	6.599	6.519	6.618	6.599	6.519	6.618	6.599	6.519	
1454258	at		1110008E08Rik	AK003565	NA	11	7.050	6.987	7.115	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	7.008	
1454259	s	at	4931433A01Rik	AK019817	Mm.461314	4	4.888	4.483	4.892	4.576	4.690	4.623	4.675	4.600	4.700	4.711	4.578	4.632	4.615	4.613	4.774	4.623	4.661	4.647	4.576	4.685	4.808	4.822	4.632	4.842	
1454260	at		LOC100047923	AK015669	NA	Un	5.392	5.247	5.336	5.538	5.382	5.383	5.290	5.615	5.487	5.200	5.314	5.365	5.396	5.415	5.356	5.313	5.633	5.393	5.411	5.674	5.463	5.414	5.358	5.430	
1454261	at		E130304J02Rik	AK021412	Mm.406883	7	6.428	6.009	6.159	6.235	6.014	6.135	6.323	6.376	6.094	5.982	6.198	6.176	6.156	6.165	6.150	6.167	6.207	6.163	6.095	6.140	6.279	6.315	6.267	6.374	
1454262	at		1700124P09Rik	AK007274	Mm.442009	9	6.284	5.862	6.020	5.818	6.084	5.961	6.034	5.961	6.090	5.808	5.935	5.927	6.036	5.913	5.912	6.022	5.918	5.882	5.844	6.347	5.983	6.019	6.005	6.066	
1454263	at		Gsc2	AK016252	Mm.463003	16	7.257	7.099	7.294	7.323	7.086	7.221	7.263	7.200	7.312	6.993	7.309	7.112	7.223	7.196	7.218	7.228	7.256	7.173	7.218	7.369	7.135	7.154	7.121	7.119	
1454264	at		2310046K23Rik	AK009853	Mm.159782	3	5.336	5.045	5.135	5.062	5.042	5.126	5.023	5.048	4.836	4.974	4.956	4.909	4.975	5.013	5.054	5.021	4.910	5.087	4.993	5.208	5.081	5.137	5.045	5.011	
1454265	at		4931438A05Rik	AK011659	Mm.274243	8	7.051	6.026	7.642	7.471	7.523	7.528	7.572	7.537	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	7.582	
1454266	at		Cldnd2	AK006929	Mm.159153	7	6.396	6.262	6.494	6.373	6.242	6.256	6.346	6.351	6.373	6.372	6.507	6.277	6.338	6.462	6.162	6.528	6.340	6.229	6.147	6.290	6.392	6.138	6.199	6.386	
1454267	a	at	Prrs32	AK008023	Mm.244143	17	6.262	6.191	6.256	6.329	6.070	6.013	6.385	6.184	6.105	5.914	5.981	6.133	6.252	6.261	6.135	6.183	6.324	6.141	6.193	6.208	6.346	6.061	6.382	6.251	
1454268	a	at	Cyba	AK018713	Mm.271671	8	9.817	11.114	9.829	9.996	10.201	10.135	10.037	10.016	10.618	10.515	10.172	10.372	10.372	10.430	10.946	10.159	9.822	10.222	10.054	9.982	9.946	10.110	9.710	9.777	9.645
1454269	s	at	4930519L02Rik	AK015845	Mm.416931	3	4.501	4.441	4.366	4.363	4.404	4.355	4.357	4.309	4.367	4.348	4.472	4.421	4.376	4.462	4.468	4.429	4.264	4.450	4.551	4.452	4.401	4.441	4.357	4.465	
1454270	at		Griffin	AK021365	Mm.160040	5	6.920	6.231	6.724	6.535	6.603	6.560	6.732	6.629	6.668	6.333	6.671	6.469	6.566	6.560	6.624	6.655	6.693	6							

1454320	at	58030420C07Rik	AK020016	Mm.438573	11	7.042	6.955	6.728	6.754	6.704	6.867	6.790	6.796	6.646	6.689	6.836	6.893	6.587	6.652	6.758	6.910	6.762	6.712	6.659	6.736	6.748	6.918	6.747	6.706
1454321	at	1500005C1SRik	AV029466	NA	3	7.341	6.738	7.274	7.072	6.974	7.198	7.204	7.014	6.686	6.970	7.412	6.869	6.878	6.850	7.165	7.144	6.929	7.163	7.080	7.441	7.098	6.979	7.193	7.532
1454322	at	4933404M09Rik	AK016655	Mm.56326	13	5.462	5.267	5.494	5.401	5.485	5.278	5.404	5.590	5.530	5.168	5.416	5.381	5.625	5.442	5.412	5.212	5.430	5.326	5.459	5.668	5.641	5.362	5.699	5.564
1454323	at	5830433D23Rik	AV315916	NA	11	6.720	6.178	6.687	6.598	6.346	6.333	6.465	6.471	6.540	6.382	6.393	6.313	6.386	6.373	6.309	6.253	6.304	6.268	6.331	6.356	6.661	6.429	6.354	6.357
1454324	at	4930407N04Rik	AK015639	NA	9	6.453	6.275	6.436	6.431	6.402	6.408	6.515	6.390	6.264	5.951	6.080	6.218	6.280	6.335	6.329	6.485	6.603	6.581	6.544	6.488	6.397	6.498	6.498	6.498
1454325	at	4930487N04Rik	AK015639	NA	9	6.453	6.275	6.436	6.431	6.402	6.408	6.515	6.390	6.264	5.951	6.080	6.218	6.280	6.335	6.329	6.485	6.603	6.581	6.544	6.488	6.397	6.498	6.498	6.498
1454326	at	1700017H01Rik	AV041343	NA	18	6.592	6.008	6.408	6.383	6.452	6.378	6.590	6.449	6.380	6.408	6.044	6.346	6.454	6.380	6.311	6.506	6.307	6.635	6.415	6.491	6.309	6.297	6.739	6.883
1454327	at	4933430H06Rik	AK016992	NA	5	6.782	6.339	6.830	6.770	6.591	6.652	6.728	6.335	6.130	6.402	6.612	6.348	6.368	6.322	6.665	6.712	6.515	6.700	6.753	6.680	6.672	6.637	6.792	6.931
1454328	at	2900060K15Rik	AV154271	NA	2	4.360	4.133	4.090	4.076	4.110	4.136	4.228	4.271	4.021	4.115	4.075	4.115	4.188	4.197	4.007	4.128	4.201	4.151	4.231	4.278	4.092	3.953	4.144	4.288
1454329	at	4933415J04Rik	AK016822	Mm.79094	5	7.953	7.363	7.709	7.472	7.608	7.593	7.862	7.725	7.681	7.614	7.794	7.584	7.778	7.595	7.598	7.582	7.851	7.677	7.506	7.844	7.759	7.558	7.584	7.876
1454330	at	4933415J04Rik	AK016822	Mm.79094	5	7.497	6.853	6.978	7.060	7.002	7.066	7.012	7.344	7.105	6.700	7.310	6.825	7.092	6.999	7.039	7.098	7.163	7.061	6.960	7.207	7.267	6.802	7.389	7.064
1454331	at	9430092D12Rik	BB104606	NA	16	5.226	5.007	5.228	5.216	5.201	5.260	5.258	5.232	5.150	5.072	5.221	5.174	5.112	5.282	5.170	5.287	5.233	5.579	5.305	5.645	5.379	5.179	5.500	5.166
1454332	at	6030442H21Rik	AK020062	NA	2	4.368	4.375	4.381	4.486	4.529	4.421	4.654	4.375	4.352	4.627	4.431	4.349	4.405	4.214	4.369	4.466	4.408	4.529	4.332	4.553	4.465	4.370	4.477	4.622
1454333	at	Crvna	BB541886	Mm.26904	1	5.835	5.481	5.499	5.436	5.379	5.536	5.674	5.395	5.278	5.458	5.633	5.575	5.087	5.495	5.364	5.511	5.256	5.457	5.659	5.207	5.702	5.503	6.337	5.558
1454334	at	Zf0711	AK013051	Mm.259846	X	4.661	4.384	4.747	4.398	4.422	4.547	4.436	4.567	4.333	4.190	4.596	4.422	4.570	4.492	4.449	4.620	4.427	4.668	4.853	4.797	4.482	4.535	4.533	4.599
1454335	at	9130214F15Rik	AV376713	Mm.98531	8	3.674	3.656	3.735	3.651	3.713	3.751	3.738	3.674	3.754	3.840	3.754	3.773	3.616	3.703	3.780	3.694	3.723	3.806	3.838	3.894	3.778	3.650	3.396	3.999
1454336	at	NA	AK013273	NA	NA	7.372	7.210	7.520	7.554	7.448	7.354	7.614	7.404	7.273	7.320	7.373	7.356	7.268	7.319	7.416	7.407	7.542	7.512	7.507	7.601	7.395	7.241	7.581	7.502
1454337	at	6330571C24Rik	AK018247	Mm.93388	11	5.984	5.667	5.783	5.973	5.967	5.947	5.984	5.875	5.907	5.735	6.233	6.309	5.932	5.812	5.982	6.009	6.277	6.021	6.272	6.227	6.003	5.997	6.087	6.048
1454338	at	Ba2d0	BB541200	Mm.245446	1	6.007	5.856	5.941	5.726	5.540	5.953	5.764	5.464	5.696	5.591	5.784	5.645	5.660	5.686	5.787	5.757	5.574	5.720	5.738	5.638	5.630	5.530	5.962	5.897
1454339	at	493055115Rik	AV270738	Mm.351474	10	5.695	5.317	5.470	5.313	5.327	5.398	5.528	5.531	5.359	5.425	5.523	5.504	5.324	5.195	5.450	5.520	5.384	5.462	5.459	5.413	5.432	5.805	5.559	5.507
1454340	at	9530025H10Rik	AK020510	Mm.118486	18	6.148	5.986	6.934	6.072	5.746	5.818	6.008	5.799	5.708	5.734	5.897	5.799	5.915	6.000	5.920	5.904	5.965	5.970	6.062	5.979	5.859	5.894	5.840	5.776
1454341	at	493340411Rik	AV278881	AK0247351	7	6.187	5.777	5.925	5.842	5.780	5.742	6.057	5.907	5.892	5.931	5.570	5.602	5.747	5.792	5.946	6.092	5.967	5.894	5.971	6.044	6.060	6.087	5.960	6.047
1454342	at	C030007D22Rik	AK021053	NA	4	4.104	4.265	4.323	4.210	4.217	4.129	4.337	4.098	4.256	4.087	4.353	4.079	4.123	4.156	4.369	4.260	4.147	4.302	4.238	4.446	4.349	4.149	4.253	4.243
1454343	at	6340710M23Rik	AV348726	Mm.444993	8	7.206	7.161	7.234	7.141	7.172	7.115	7.026	7.165	7.126	7.109	7.164	7.258	7.115	7.277	7.253	7.171	7.086	7.248	6.893	7.214	7.239	6.929	7.160	7.139
1454344	at	Slc44a1	AK014708	Mm.270088	4	5.726	5.391	5.419	5.456	5.343	5.386	5.592	5.375	5.248	5.144	5.443	5.399	5.397	5.337	5.484	5.379	5.592	5.330	5.327	5.263	5.408	5.310	5.490	5.429
1454345	at	1700081H04Rik	AV205672	Mm.410863	5	5.247	5.129	5.150	5.139	5.124	5.161	5.128	5.276	5.262	5.048	5.228	5.083	5.175	4.924	5.055	5.234	5.128	5.193	5.193	5.161	5.330	5.308	5.180	5.197
1454346	at	493340411Rik	AK014733	Mm.410863	5	5.247	5.129	5.150	5.139	5.124	5.161	5.128	5.276	5.262	5.048	5.228	5.083	5.175	4.924	5.055	5.234	5.128	5.193	5.193	5.161	5.330	5.308	5.180	5.197
1454347	at	4930540E02Rik	AK016008	Mm.399330	9	6.276	6.032	6.068	6.038	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178
1454348	at	4930407C09Rik	AK016713	Mm.61180	2	7.463	7.053	7.295	7.470	7.215	7.171	7.227	7.428	7.230	7.036	7.366	7.303	7.176	7.153	7.337	7.381	7.156	7.301	7.247	7.355	7.392	7.246	7.291	7.326
1454349	at	2810487C13Rik	AK013447	NA	8	5.448	5.075	5.335	5.296	5.322	5.402	5.223	5.516	5.326	5.377	5.488	5.418	5.279	5.227	5.853	5.299	5.452	5.569	5.580	5.761	5.525	5.348	5.512	6.589
1454350	at	Intuu	AV381459	Mm.105309	3	8.954	8.533	9.058	8.983	9.078	9.457	9.162	8.695	7.840	8.442	8.585	9.008	8.685	8.661	9.039	9.119	9.354	8.954	9.027	9.388	9.282	9.628	9.222	9.535
1454351	at	4933435C09Rik	AK017064	NA	12	6.719	6.342	6.839	6.699	6.414	6.708	6.622	6.641	6.422	6.279	6.582	6.368	6.479	6.589	6.573	6.688	6.734	6.813	6.519	6.649	6.639	6.491	6.575	6.643
1454352	at	A930028B01Rik	BB280937	NA	3	6.182	5.405	6.061	5.923	5.836	5.840	5.878	5.594	5.753	5.499	5.868	5.671	5.653	5.650	5.823	5.745	6.105	6.028	5.811	6.205	6.015	5.745	5.850	5.876
1454353	at	4833402D23Rik	AK014733	Mm.410841	18	7.266	6.783	6.921	7.049	6.787	7.061	7.104	6.784	6.722	6.564	7.106	6.932	6.985	6.915	6.928	7.110	6.856	7.136	7.060	6.882	7.027	6.884	7.263	7.068
1454354	at	4930540E02Rik	AK016008	Mm.399330	9	6.276	6.032	6.068	6.038	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178	6.213	6.126	6.178
1454355	at	1810021M19Rik	AK007576	NA	2	7.753	7.425	7.637	7.535	7.423	7.552	7.768	7.475	7.231	7.555	7.678	7.453	7.487	7.433	7.622	7.716	7.498	7.614	7.790	7.772	7.861	7.494	7.847	7.720
1454356	at	1810021M19Rik	AK007576	NA	2	5.450	5.043	5.349	5.477	5.227	5.246	5.393	5.284	5.215	5.203	5.327	5.426	5.333	5.296	5.143	5.433	5.313	5.294	5.211	5.576	5.604	5.263	5.934	5.449
1454357	at	3110067C02Rik	AV168333	NA	X	4.115	4.128	4.071	4.026	4.089	4.039	4.177	4.386	4.131	4.130	4.185	3.971	4.247	4.156	4.069	3.919	4.091	4.121	4.195	4.124	4.202	4.137	4.139	3.985
1454358	at	2900060N12Rik	AV154314	NA	12	6.202	6.055	5.952	5.959	5.770	6.024	6.045	6.082	6.011	6.081	6.011	6.086	6.074	5.983	6.180	5.962	5.994	6.036	6.043	5.861	6.242	5.814	6.141	6.051
1454359	at	953002119Rik	AK020568	Mm.475657	2	4.466	4.275	4.330	4.259	4.235	4.335	4.242	4.091	4.267	4.187	4.277	4.279	4.217	4.255	4.377	4.418	4.306	4.145	4.302	4.564	4.301	4.266	4.413	4.412
1454360	at	4930418C01Rik	AV261123	Mm.444675	19	7.317	6.998	7.135</																					

1454409	at	4833408G04Rik	AK018666	NA	3	5.223	4.839	4.860	4.936	4.931	5.191	5.076	4.992	4.966	4.913	5.068	4.886	4.972	4.954	4.996	4.918	4.899	5.104	5.187	5.165	4.879	4.934	5.109	5.059	
1454410	at	9130414P19Rik	AK018677	NA	1	4.345	4.128	4.248	4.382	4.271	4.235	4.237	4.453	4.188	4.200	4.388	4.286	4.224	4.174	4.237	4.336	4.228	4.269	4.148	4.307	4.196	4.167	4.234	4.301	
1454411	at	4933406F09Rik	AK019801	Mm.326801	14	7.446	7.334	7.439	7.312	7.412	7.241	7.468	7.466	7.346	7.387	7.472	7.299	7.313	7.317	7.335	7.409	7.470	7.372	7.347	7.532	7.298	7.269	7.399	7.450	
1454412	at	2810410P21Rik	AK013077	NA	9	7.268	6.826	7.357	7.281	7.209	7.263	7.418	7.196	7.211	7.275	7.249	7.014	7.124	7.217	7.261	7.341	7.198	7.459	7.404	7.401	7.701	7.177	7.325	7.107	
1454413	at	4933424H11Rik	AK016894	NA	3	4.115	3.717	3.792	3.822	3.666	3.810	3.699	3.692	3.754	3.754	3.852	3.769	3.761	3.848	3.770	3.825	3.797	3.887	3.971	3.758	3.859	3.693	3.783	3.783	
1454414	at	5Btd7	AK017755	Mm.63456	12	5.663	5.463	5.707	5.575	5.707	5.629	5.711	5.337	5.714	5.819	5.725	5.724	5.773	5.773	5.665	5.609	5.635	5.575	5.838	5.575	5.838	5.575	5.680	5.680	
1454415	at	Atb0	AK019904	Mm.255066	17	6.316	6.040	6.060	6.172	6.186	6.243	5.998	6.084	6.138	5.999	6.024	5.879	6.067	6.026	6.072	6.105	6.015	6.103	6.261	6.234	5.987	5.887	6.046	6.003	
1454416	at	5730575I04Rik	AK017867	NA	2	7.114	6.996	6.923	7.026	7.041	6.901	7.085	7.210	7.293	6.818	7.185	6.695	7.034	7.028	6.990	6.974	7.023	6.906	7.072	7.075	7.071	6.846	6.980	6.953	
1454417	at	4933408M05Rik	AK016741	Mm.436652	5	5.544	5.411	5.504	5.340	5.436	5.530	5.502	5.400	5.517	5.444	5.676	5.335	5.526	5.615	5.728	5.838	5.462	5.785	5.899	5.961	5.606	5.342	5.476	5.520	
1454418	at	5330421C15Rik	AK019900	Mm.403826	10	7.380	6.949	7.495	7.263	7.160	7.312	7.327	7.067	7.208	7.411	7.141	7.165	7.485	7.164	7.317	7.561	7.257	7.210	7.146	7.359	7.209	7.141	6.917	7.116	
1454419	at	4930537H20Rik	AK015985	Mm.270999	3	6.602	6.086	6.103	6.367	6.338	6.419	6.427	6.329	6.378	5.999	6.555	6.224	6.430	6.400	6.194	6.449	6.267	6.324	6.313	6.590	6.448	6.323	6.479	6.381	
1454420	at	5730420F10Rik	AK017589	NA	12	4.737	4.648	4.659	4.804	4.826	4.640	4.714	4.792	4.853	4.797	4.903	4.690	4.577	4.589	4.559	4.809	4.693	4.735	4.752	4.813	4.750	4.574	4.710	4.728	
1454421	at	4930423022Rik	AK015187	Mm.159266	12	4.377	4.028	4.301	4.242	4.305	4.241	4.027	4.125	4.192	4.077	4.220	4.154	4.098	4.168	4.210	3.958	4.294	4.274	4.035	4.096	4.410	4.224	4.316	4.201	
1454422	at	4930456J16Rik	AK015477	NA	7	7.332	7.204	7.410	7.286	7.203	7.450	7.285	7.053	7.254	7.216	7.245	7.064	7.168	6.900	7.077	7.190	7.134	7.171	7.204	7.129	7.178	7.192	7.509	7.228	
1454423	at	Tmem180	AK015425	Mm.159290	19	8.010	7.719	7.988	7.960	7.869	7.835	8.066	7.861	7.885	7.742	7.714	7.815	7.888	7.890	7.899	8.059	7.936	7.746	7.852	8.185	7.864	7.674	7.915	8.046	
1454424	at	Odz2	AK011729	Mm.439889	11	5.606	5.740	5.597	5.429	5.526	5.741	5.797	5.619	5.625	5.454	5.816	5.595	5.417	5.618	5.582	5.699	5.666	5.681	5.519	5.975	5.658	5.645	5.883	5.345	
1454425	at	5830495A06Rik	AK018068	NA	11	5.612	5.661	5.819	6.015	5.811	5.785	5.858	5.824	5.807	5.789	5.959	5.722	5.767	5.709	5.698	5.886	6.164	5.801	5.793	5.915	5.997	5.833	5.902	6.001	
1454426	at	4930519E07Rik	AK015840	Mm.159312	5	6.044	6.069	6.079	6.024	6.066	5.924	6.073	6.036	6.059	5.779	5.894	5.916	6.222	6.181	6.066	6.057	6.049	6.130	6.068	6.051	6.126	5.863	6.051	6.215	
1454427	at	4930467D19Rik	AK015517	NA	11	6.754	6.557	6.660	6.762	6.640	6.689	6.700	6.734	6.723	6.646	6.760	6.474	6.685	6.848	6.668	6.660	6.539	6.836	6.634	6.592	6.553	6.767	6.910	6.513	
1454428	at	4930467D19Rik	AK015517	NA	11	6.442	5.978	6.301	6.351	6.253	6.361	6.510	6.166	6.092	5.982	6.293	5.987	6.247	6.172	6.096	6.329	6.180	6.258	6.237	6.494	6.301	6.248	6.345	6.288	
1454429	at	5830462O15Rik	AK018030	NA	9	7.857	7.494	7.679	7.702	7.596	7.807	7.597	7.826	7.448	7.340	7.767	7.559	7.634	7.678	7.747	7.729	7.834	7.875	7.678	7.972	7.724	7.811	7.682	7.734	
1454430	at	Pde11a	AK018171	Mm.246613	2	6.495	5.936	6.379	6.416	6.188	6.284	6.581	6.446	6.322	6.278	6.224	5.955	6.110	6.275	6.317	6.412	6.291	6.197	6.337	6.371	6.268	6.332	6.358	6.535	
1454431	at	9030613N10Rik	AK018556	Mm.387335	10	6.464	6.015	6.422	6.285	6.194	6.017	6.625	6.218	6.207	5.789	6.199	5.625	5.454	5.816	5.582	5.699	5.666	5.681	5.519	5.975	5.658	5.645	5.883	5.345	
1454432	at	4933423N03Rik	AK016877	NA	17	6.894	6.470	6.916	6.783	6.588	6.661	6.697	6.566	6.451	6.520	6.676	6.349	6.554	6.393	6.357	6.693	6.560	6.682	6.825	6.619	6.724	6.574	6.680	6.368	
1454433	at	6330526H18Rik	AK018221	Mm.447939	2	3.586	3.693	3.578	3.726	3.610	3.622	3.582	3.582	3.675	3.608	3.609	3.340	3.530	3.643	3.631	3.632	3.564	3.573	3.788	3.552	3.352	3.323	3.673	3.463	3.593
1454434	at	9030607J07Rik	AK018539	NA	5	4.243	4.015	4.072	4.228	4.278	4.251	4.275	4.287	4.272	4.229	4.237	4.259	4.343	4.291	4.360	4.119	4.299	4.167	4.306	4.335	4.326	4.183	4.228	4.448	
1454435	at	9030607J07Rik	AK018539	NA	15	6.371	5.132	6.004	6.386	6.298	6.174	6.259	6.047	6.111	6.210	6.053	6.216	6.110	6.258	6.105	6.244	6.085	6.258	6.105	6.244	6.085	6.140	6.258	6.271	
1454436	at	49321506L19Rik	AK014826	Mm.111063	10	6.265	5.793	6.070	6.061	5.828	6.127	6.082	6.047	5.952	5.802	5.907	5.869	6.019	5.903	5.957	5.861	5.866	5.692	6.011	6.011	6.011	6.011	6.011	6.011	
1454437	at	4933421F11Rik	AK016790	Mm.195597	NA	5.614	5.444	5.528	5.443	5.510	5.376	5.412	5.482	5.346	5.216	5.519	5.332	5.369	5.368	5.366	5.546	5.383	5.168	5.354	5.331	5.346	5.288	5.501	5.561	
1454438	at	Rab27a	AK017093	Mm.34867	9	6.840	6.331	6.595	6.657	6.528	6.598	6.539	6.438	6.585	6.391	6.629	6.341	6.427	6.557	6.601	6.792	6.655	6.674	6.631	6.771	6.600	6.641	6.845	6.534	
1454439	at	4933419G08Rik	AK014727	Mm.159332	18	5.906	5.650	5.881	5.801	5.847	5.687	5.849	5.749	5.719	5.513	6.198	5.693	5.857	5.936	5.740	5.933	5.891	5.814	5.887	5.917	5.909	5.749	6.083	5.765	
1454440	at	4930421C12Rik	AK019580	NA	5	5.477	5.445	5.775	5.633	5.412	5.701	5.414	5.575	5.354	5.487	5.598	5.485	5.552	5.528	5.388	5.532	5.538	5.575	5.548	5.284	5.502	5.443	5.391	5.463	
1454441	at	Bnip2	AK017785	Mm.159777	9	6.240	6.102	5.912	6.121	6.173	6.117	6.006	6.240	6.201	6.010	6.185	6.158	6.066	6.055	5.974	5.918	6.142	6.160	6.238	6.154	6.200	6.079	6.194	6.301	
1454442	at	Bnip2	AK017785	Mm.159777	9	4.698	4.388	4.863	4.656	4.724	4.829	4.723	4.697	4.551	4.581	4.881	4.602	4.565	4.694	4.732	4.593	4.550	4.879	4.639	4.789	4.455	4.543	4.720	4.774	
1454443	at	5830411110Rik	AK017070	NA	12	7.337	5.076	7.119	7.399	7.054	5.086	7.073	7.205	7.289	7.174	6.953	5.975	6.328	7.015	7.015	6.388	7.015	6.388	7.015	6.388	7.015	6.388	7.015	6.388	
1454444	at	5730406E14Rik	AK017501	NA	12	6.580	6.074	6.435	6.365	6.172	6.479	6.458	6.218	6.289	6.159	6.270	6.332	6.259	6.401	6.439	6.534	6.300	6.738	6.745	6.724	6.255	6.102	6.227	6.483	
1454445	at	5430430K15Rik	AK017366	NA	14	5.689	5.452	5.787	5.713	5.568	5.649	5.777	5.721	5.482	5.793	5.762	5.576	5.650	5.605	5.788	5.850	5.547	5.493	5.600	5.963	5.656	5.541	5.601	5.788	
1454446	at	4930564B12Rik	AK016215	NA	12	6.868	6.382	6.691	6.645	6.636	6.687	6.789	6.477	6.383	6.552	6.723	6.503	6.291	6.622	6.738	6.810	6.514	6.640	6.772	6.612	6.514	6.810	6.516	6.667	
1454447	at	5830434F19Rik	AK017969	NA	2	8.092	7.957	8.022	8.124	8.093	8.291	8.146	7.905	8.137	8.160	8.130	8.145	7.974	8.089	8.145	8.235	8.014	8.188	8.289	8.142	8.043	7.883	8.256	8.291	
1454448	at	2900018E21Rik	AK013549	NA	10	6.360	6.520	6.268	6.078	6.062	6.179	6.321	5.958	5.861	5.950	6.240	5.992	6.004	6.083	6.140	6.429	6.066	6.162	6.289	6.340	6.007	6.002	6.296	6.109	
1454449	at	Rabepk	AK018405	Mm.158705	2	6.721	6.719	6.682	6.777	6																				

1454498	at	9230118N17Rik	AK020358	NA	7	6.516	6.108	6.396	6.387	6.493	6.289	6.534	6.303	6.522	6.322	6.272	6.246	6.551	6.360	6.655	6.465	6.491	6.519	6.439	6.685	6.375	6.493	6.515	6.682
1454499	at	4933431C10Rik	AK017001	NA	7	6.182	5.884	5.941	6.183	6.232	5.989	6.090	6.389	6.353	6.098	6.724	6.094	6.046	6.155	6.061	5.838	6.117	5.921	6.187	6.170	6.231	6.009	6.134	6.053
1454500	at	6330419E04Rik	AK018200	NA	6	3.905	4.012	3.901	3.756	3.917	3.971	3.978	3.856	3.943	3.816	3.871	3.951	3.867	3.819	3.994	4.017	3.993	3.899	3.977	3.912	3.822	3.929	3.986	4.005
1454501	at	6330419E04Rik	AK018200	NA	6	6.124	5.860	6.077	5.997	5.963	6.023	6.040	6.061	6.189	6.069	6.301	6.019	6.043	6.238	6.071	6.004	5.910	5.907	6.226	6.449	6.051	5.812	6.152	5.816
1454502	at	2900022B07Rik	AK013567	NA	2	7.507	7.307	7.328	7.369	7.374	7.266	7.308	7.345	7.405	7.324	7.475	7.126	7.230	7.303	7.365	7.404	7.269	7.368	7.402	7.423	7.284	7.025	7.251	7.388
1454503	at	9030201C23Rik	AK020241	NA	3	5.456	5.650	5.647	5.413	5.644	5.545	5.730	5.286	5.591	5.681	5.591	5.696	5.618	5.311	5.675	5.399	5.808	5.661	5.529	5.633	5.443	5.548	5.440	5.510
1454504	at	Kncp1	AK015957	Mm.252514	11	5.987	5.529	5.670	5.712	5.460	5.758	5.805	5.739	5.508	5.397	5.356	5.512	5.418	5.669	5.775	5.913	5.669	5.587	5.596	5.700	5.694	5.600	5.755	5.750
1454505	at	6330562C20Rik	AK018237	Mm.476068	3	6.701	6.600	6.464	6.821	6.527	6.286	6.560	6.862	6.570	6.357	6.571	6.575	6.610	6.554	6.408	6.254	6.581	6.552	6.645	6.467	6.454	6.631	6.610	6.351
1454506	at	8430432A02Rik	AK018453	NA	1	7.492	7.004	7.336	7.307	7.187	7.251	7.220	7.285	6.988	7.111	7.250	7.141	7.374	7.249	6.974	7.551	7.343	7.370	7.201	7.366	7.328	7.395	7.608	7.312
1454507	at	8430432A02Rik	AK018453	NA	1	4.783	4.475	4.687	4.600	4.689	4.665	4.710	4.774	4.731	4.546	4.753	4.685	4.785	4.768	4.706	4.587	4.974	4.626	4.906	4.710	4.567	4.744	4.987	4.615
1454508	at	4930485E13Rik	AK015625	NA	NA	3.910	3.960	4.075	4.076	4.031	4.150	4.031	4.122	4.282	3.993	4.115	3.955	4.075	4.046	4.088	3.835	4.013	4.048	4.132	4.305	4.058	3.982	4.103	4.176
1454509	at	4930444E08Rik	AK015377	NA	2	6.138	5.719	6.116	5.891	5.914	6.016	5.999	5.685	5.713	5.857	6.232	5.530	5.937	5.984	5.903	5.873	5.794	5.891	5.977	6.247	5.968	5.833	5.995	5.876
1454510	at	2900034C11Rik	AK013612	NA	4	7.362	6.656	6.977	6.956	7.043	7.066	7.098	7.222	6.778	6.824	7.068	6.990	6.975	6.728	6.869	7.076	7.098	7.017	7.270	7.110	7.130	6.890	7.145	7.112
1454511	at	9430018C23Rik	AK020423	NA	9	5.639	5.190	5.581	5.365	5.608	5.640	5.764	5.582	5.203	5.414	5.229	5.330	5.483	5.407	5.516	5.652	5.360	5.478	5.675	5.747	5.378	5.243	5.926	5.463
1454512	at	9430018C23Rik	AK020423	NA	9	6.755	6.619	6.652	6.716	6.661	6.527	6.735	7.019	6.830	6.616	6.773	6.772	6.813	6.777	6.782	6.941	6.761	6.842	6.862	6.825	6.683	6.576	6.913	6.710
1454513	at	9430031J08Rik	AK020451	NA	15	4.330	4.288	4.428	4.386	4.343	4.404	4.579	4.204	4.270	4.262	4.540	4.255	4.461	4.401	4.298	4.468	4.605	4.467	4.614	4.629	4.481	4.290	4.427	4.355
1454514	at	5730415C11Rik	AK017563	NA	2	5.716	5.245	5.475	5.588	5.566	5.216	5.528	5.564	5.496	5.543	5.442	5.236	5.536	5.397	5.395	5.555	5.548	5.588	5.557	5.632	5.585	5.684	5.620	5.596
1454515	at	5430425E15Rik	AK017335	NA	14	5.525	5.296	5.627	5.503	5.428	5.767	5.612	5.458	5.335	5.336	5.802	5.286	5.497	5.480	5.493	5.563	5.515	5.510	5.613	5.715	5.625	5.495	5.795	5.539
1454516	at	4930424E08Rik	AK015194	NA	14	6.682	6.339	6.517	6.766	6.400	6.475	6.790	6.585	6.504	6.408	6.380	6.250	6.214	6.288	6.427	6.499	6.496	6.404	6.488	6.898	6.608	6.408	6.707	6.501
1454517	at	C030011116Rik	AK021065	NA	17	4.495	4.282	4.574	4.659	4.404	4.461	4.553	4.294	4.345	4.268	4.485	4.355	4.401	4.483	4.453	4.417	4.262	4.566	4.438	4.483	4.371	4.410	4.560	4.363
1454518	at	4930429L21Rik	AK015242	NA	4	6.531	6.373	6.617	6.293	6.454	6.460	6.476	6.495	6.434	6.314	6.386	6.221	6.401	6.469	6.550	6.523	6.579	6.452	6.565	6.676	6.568	6.326	6.452	6.670
1454519	at	4930429L21Rik	AK015242	NA	4	5.256	5.033	5.011	5.255	5.129	5.158	5.355	5.184	5.158	4.995	5.195	5.102	5.182	5.091	5.290	5.351	5.276	5.280	5.172	5.338	5.235	4.999	5.374	5.270
1454520	at	5830415B17Rik	AK017930	Mm.173271	6	6.328	5.769	6.366	5.962	6.009	6.208	6.134	6.116	5.755	5.920	6.193	5.895	5.942	5.947	6.205	6.385	6.224	6.418	6.517	6.136	6.390	6.239	6.206	6.374
1454521	at	2810421E14Rik	AK013121	NA	16	6.796	6.451	6.624	6.660	6.522	6.653	6.615	6.617	6.618	6.472	6.646	6.570	6.467	6.377	6.660	6.680	6.627	6.595	6.751	6.857	6.779	6.464	6.740	6.618
1454522	at	4930573G07Rik	AK016289	NA	10	6.346	5.640	5.872	5.906	5.934	5.922	5.840	6.053	5.715	5.858	5.551	5.892	5.597	5.928	5.730	5.496	6.056	5.691	5.869	6.070	6.037	6.049	5.995	5.814
1454523	at	C530007A02Rik	AK021269	NA	4	6.266	6.372	6.307	6.329	6.252	6.255	6.194	6.176	6.058	6.277	6.141	6.088	6.214	5.793	6.274	6.220	6.309	6.232	6.256	6.377	6.257	6.124	6.283	6.187
1454524	at	C030043A13Rik	AK021141	Mm.159965	15	6.319	5.989	5.965	6.368	5.719	5.969	5.968	5.965	5.738	5.965	5.742	5.519	5.993	6.006	6.006	6.006	6.275	6.002	6.003	6.234	6.006	6.234	6.006	6.187
1454525	at	C030014F16Rik	AK020415	Mm.29812	3	4.848	4.892	4.812	4.802	4.882	4.892	4.793	5.039	4.967	4.916	4.860	4.714	4.841	4.700	4.868	4.939	4.942	4.902	4.742	4.741	4.776	4.844	4.776	4.844
1454526	at	9430014F16Rik	AK020415	Mm.29812	3	5.599	5.590	5.676	5.697	5.554	5.629	5.600	5.690	5.543	5.495	5.549	5.560	5.495	5.587	5.620	5.628	5.584	5.393	5.616	5.671	5.611	5.603	5.624	5.735
1454527	at	8430437B07Rik	AK018468	NA	8	4.050	3.832	3.803	3.908	3.737	3.793	3.934	3.835	3.766	3.689	3.841	3.641	3.914	3.797	3.909	3.858	3.885	3.906	3.875	3.912	3.900	3.841	3.891	3.775
1454528	at	A930011E08Rik	AK020846	NA	16	4.972	4.860	5.054	4.914	4.726	4.904	4.790	4.816	4.838	4.696	5.123	4.791	4.989	4.941	4.989	5.164	5.097	4.966	4.808	5.453	4.968	4.817	5.127	5.070
1454529	at	4930518C04Rik	AK015821	Mm.364230	14	5.686	5.219	5.657	5.510	5.603	5.646	5.596	5.548	5.633	5.454	5.555	5.550	5.729	5.693	5.571	5.568	5.718	5.775	5.663	5.856	5.606	5.692	5.710	5.521
1454530	at	4930500E03Rik	AK015656	Mm.259464	15	6.006	5.603	5.942	5.990	5.953	5.968	5.963	5.925	5.932	5.694	5.917	5.661	5.731	5.784	5.891	5.975	5.767	5.862	5.823	6.048	5.880	5.787	6.055	5.783
1454531	at	C030043A13Rik	AK021141	Mm.159965	4	4.379	4.243	4.218	4.165	4.220	4.188	4.141	4.229	4.064	4.127	4.395	4.166	4.248	4.234	4.141	4.179	4.145	4.419	4.200	4.390	4.491	4.292	4.229	4.135
1454532	at	C030015A12Rik	AK015995	Mm.159965	13	6.346	5.293	6.432	6.359	5.187	6.277	6.452	6.239	6.361	6.207	6.294	6.136	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253	6.253
1454533	at	9430085L16Rik	AK020505	NA	14	4.949	4.514	4.818	4.657	4.466	4.722	4.577	4.564	4.708	4.491	4.950	4.338	4.555	4.648	4.676	4.595	4.279	4.745	4.703	4.885	4.562	4.605	4.940	4.462
1454534	at	Inq1	AK015594	Mm.25709	8	5.783	5.751	5.936	5.824	5.777	5.714	5.740	5.737	5.610	5.522	5.736	5.766	5.659	5.774	5.705	5.835	5.927	5.754	5.700	5.849	5.766	6.042	5.750	5.697
1454535	at	A430110A21Rik	AK020789	NA	15	6.946	6.576	6.871	6.836	6.730	6.679	6.901	6.538	6.978	6.829	6.935	6.665	6.888	6.861	6.850	6.855	6.765	6.771	6.972	6.882	6.983	6.971	6.827	6.820
1454536	at	Tmem30c	AK016747	Mm.158563	16	5.274	4.880	4.987	4.914	4.821	4.878	5.128	4.920	4.913	4.684	4.479	4.792	5.054	5.061	4.805	5.091	4.774	4.869	5.087	5.054	4.951	4.745	5.198	5.221
1454537	at	4930556A12Rik	AK016139	NA	17	7.285	7.022	7.080	6.989	7.240	6.963	7.261	7.469	7.269	7.090	7.311	7.128	7.257	7.244	7.218	7.161	7.323	7.124	7.195	7.360	7.266	7.285	7.307	7.147
1454538	at	D730048A03Rik	AK021348	Mm.448181	12	4.172	4.003	4.267	4.246	4.222	4.253	4.3																	

1454587	at	9330199C07Rik	AK020396	NA	14	5.898	5.437	5.775	5.815	5.777	5.808	5.885	5.725	5.815	5.822	5.716	5.823	5.820	5.760	6.018	5.765	6.003	5.776	6.086	5.828	5.763	6.011	5.931		
1454588	at	9430006E15Rik	AK020405	NA	9	7.231	7.162	7.194	7.320	7.125	7.259	7.237	7.440	7.312	7.095	7.239	7.038	7.176	7.048	7.202	7.234	7.455	6.983	7.103	7.131	7.183	7.145	7.255	7.115	
1454589	at	9430006E15Rik	AK020405	NA	9	6.945	6.479	6.817	6.687	6.439	6.447	6.534	6.571	6.648	6.555	6.526	6.275	6.292	6.608	6.652	6.571	6.394	6.417	6.331	6.512	6.597	6.422	6.762	6.628	
1454590	at	A930421B016Rik	AK020873	NA	13	6.534	6.227	6.362	6.610	6.416	6.238	6.296	6.350	6.208	6.203	6.518	6.127	6.470	6.374	6.390	6.143	6.402	6.166	6.337	6.499	6.464	6.278	6.589		
1454591	at	Max41	AK015170	NA	13	6.730	6.511	6.483	6.504	6.533	6.501	6.505	6.895	6.864	6.498	6.734	6.579	6.491	6.651	6.452	6.626	6.564	6.767	6.641	6.682	6.513	6.568	6.637		
1454592	at	9430012M22Rik	AK020412	NA	3	5.903	6.099	5.465	5.665	5.874	5.715	5.759	6.211	6.336	6.292	5.925	5.804	5.082	5.945	5.878	5.469	5.431	5.578	5.556	5.394	5.425	5.445	5.348		
1454593	at	Fqd3	AK018025	Mm.291089	1	8.522	6.475	6.343	6.401	6.571	6.352	6.372	6.630	6.296	6.585	6.563	6.417	6.530	6.482	6.540	6.428	6.304	6.400	6.318	6.631	6.411	6.414	6.566	6.477	
1454594	at	2900078111Rik	AK013802	NA	10	6.112	5.732	6.002	5.987	6.055	5.819	5.976	5.965	5.929	5.737	5.957	5.859	5.855	5.897	5.779	6.039	6.040	5.762	5.982	5.988	6.033	5.887	6.156	6.063	
1454595	at	4930451E08Rik	AK015439	NA	4	6.846	6.639	6.886	6.941	6.644	6.765	6.960	6.989	6.701	6.673	6.694	6.636	6.782	6.752	6.747	6.861	6.743	6.887	6.791	6.926	6.848	6.864	6.991	6.948	
1454596	at	2810489J07Rik	AK013453	Mm.449998	5	4.515	4.300	4.820	4.547	4.334	4.585	4.456	4.537	4.452	4.461	4.670	4.226	4.425	4.564	4.591	4.614	4.629	4.395	4.631	4.591	4.718	4.680	4.474	4.572	
1454597	at	4930423O20Rik	AK015192	Mm.427302	16	4.023	3.947	4.087	3.898	3.924	4.096	3.840	3.805	3.896	3.964	3.963	3.738	3.899	4.063	4.008	3.918	3.844	4.047	4.083	4.107	4.039	3.790	3.778	3.925	
1454598	at	4930425F17Rik	AK019583	NA	2	5.135	5.062	5.188	5.331	4.914	5.212	5.012	5.366	5.217	4.998	4.924	5.271	5.233	5.024	5.180	4.931	5.445	4.972	4.894	5.150	5.224	5.148	5.068	5.263	
1454599	at	9430425F17Rik	AK019583	NA	2	8.006	7.878	8.016	8.104	8.004	7.833	8.084	8.173	8.017	7.933	8.009	7.887	7.949	7.993	7.962	8.031	8.156	7.840	8.043	8.000	8.033	8.006	8.002	7.998	
1454600	at	9530086P17Rik	AK020658	NA	14	5.851	5.681	5.750	5.849	5.779	5.949	5.840	5.712	5.754	5.668	5.640	5.664	5.715	5.781	5.626	5.938	5.681	5.755	5.963	5.803	5.811	5.731	5.725	5.845	
1454601	at	8030497O21Rik	AK020225	NA	NA	7.986	7.673	8.128	7.926	7.740	7.783	7.804	7.978	7.781	7.596	7.899	7.516	7.769	7.716	7.838	7.722	7.958	7.801	8.027	8.047	7.885	7.696	7.905	7.933	
1454602	s at	Cnot2	AA967305	Mm.351553	10	9.607	9.766	9.748	9.731	9.594	9.966	9.812	9.632	9.739	9.636	9.500	9.687	9.608	9.779	9.702	9.819	9.983	9.825	9.789	9.784	9.767	9.857	9.806	9.760	
1454603	a at	Cnot2	AA967305	Mm.351553	10	8.729	8.700	8.797	8.709	8.613	8.708	8.767	8.428	8.523	8.787	8.731	8.647	8.562	8.859	8.743	8.879	8.669	8.600	8.748	8.778	8.629	8.599	8.870	8.740	
1454604	at	Tspan12	BB072896	Mm.21950	6	8.819	9.340	9.042	8.974	9.166	9.056	9.185	9.357	9.073	9.431	8.851	8.774	8.944	8.940	9.256	8.913	8.725	8.999	9.053	8.955	8.875	8.593	9.042	9.110	
1454605	at	P4k2a	BB208212	Mm.117037	19	9.281	9.405	9.385	9.269	9.246	9.098	9.146	9.105	9.326	9.334	9.355	9.430	9.262	9.468	9.310	9.361	8.991	9.189	9.161	9.287	8.953	8.979	9.248	9.227	
1454606	at	4933426M11Rik	AK019583	NA	12	10.594	10.138	10.549	10.349	10.277	10.319	10.010	10.014	10.270	10.254	10.374	10.443	10.322	10.001	10.362	10.561	10.258	10.227	10.307	10.302	10.162	10.272	10.385	10.677	
1454607	at	PSv12	AV216491	Mm.289936	19	6.981	6.250	6.633	6.667	7.215	7.319	7.451	7.917	8.064	8.012	7.688	7.353	7.165	8.807	7.100	6.432	6.500	6.739	6.780	6.028	6.658	6.756	6.287	6.369	
1454608	x at	Ttr	BG141874	Mm.2108	18	5.648	5.157	6.198	5.711	5.484	5.613	5.589	5.869	5.076	5.396	5.509	5.591	5.378	5.240	5.436	6.003	5.827	5.660	5.562	5.570	5.642	5.550	5.849	5.357	
1454609	x at	6430527G18Rik	BB770958	Mm.248358	12	9.513	9.379	9.532	9.627	9.259	9.565	9.615	9.120	9.595	9.692	9.447	9.516	9.428	9.540	9.528	9.640	8.971	9.064	9.032	9.017	9.179	9.210	9.643	9.622	
1454610	at	7-Sep	BI689183	Mm.270259	9	11.941	12.040	12.163	11.910	11.948	12.093	12.030	11.765	11.880	12.269	11.982	11.972	12.110	12.207	12.170	12.178	11.515	11.616	11.886	12.011	11.697	11.622	12.022	12.007	
1454611	a at	Calml1	BB058862	Mm.285993	12	11.489	11.891	11.583	11.442	11.448	11.512	11.742	11.517	11.770	11.974	11.750	11.570	11.432	11.112	11.680	11.588	10.694	11.082	11.097	11.067	11.202	11.107	11.561	11.671	
1454612	at	Max3c	BI656279	Mm.24131	18	8.903	9.399	8.923	8.693	9.123	8.902	8.793	9.169	9.333	9.394	9.634	9.160	9.158	9.272	9.453	8.951	8.531	8.883	8.785	8.518	8.924	8.658	9.116	9.235	
1454613	at	9430425F17Rik	AK019583	NA	18	10.594	10.138	10.549	10.349	10.277	10.319	10.010	10.014	10.270	10.254	10.374	10.443	10.322	10.001	10.362	10.561	10.258	10.227	10.307	10.302	10.162	10.272	10.385	10.677	
1454614	at	1810013D10Rik	Mm.27900	18	10.834	10.635	10.829	11.133	11.034	11.177	10.964	10.844	10.410	11.147	10.802	10.643	10.172	10.688	10.747	11.648	11.481	11.235	11.328	11.468	11.468	11.178	10.876	10.911	10.931	
1454615	x at	Srp14	BG228598	Mm.363404	2	12.373	12.449	12.131	12.337	12.492	12.150	12.292	12.494	12.623	12.459	12.202	12.679	12.698	12.309	12.175	12.141	12.607	12.532	12.269	12.130	12.553	12.630	12.158	11.984	
1454616	at	Uro14	AV030071	Mm.34261	12	9.745	8.819	9.854	9.848	8.957	9.874	9.626	9.842	9.639	9.806	9.623	9.957	9.702	9.899	9.842	9.985	9.935	9.875	9.898	9.840	9.737	10.002	9.801	9.837	
1454617	at	Arrdc3	BG072824	Mm.423137	13	10.705	9.607	10.576	9.813	9.991	10.126	10.057	9.308	9.499	9.879	10.104	9.748	10.110	10.177	9.858	10.505	9.472	9.599	9.645	9.376	9.228	9.741	10.197	10.688	
1454618	at	C86187	AV016322	Mm.22314	7	8.415	8.091	8.197	8.304	8.153	8.232	8.232	8.243	7.998	7.979	8.124	7.882	8.198	8.259	8.162	8.180	8.192	8.220	8.213	8.322	8.224	8.063	8.170	8.230	
1454619	at	Lmf2	BB501115	Mm.35151	15	9.501	9.753	9.375	9.535	9.642	9.501	9.418	9.523	9.765	9.688	9.659	9.604	9.631	9.738	9.549	9.550	9.524	9.735	9.669	9.684	9.545	9.341	9.507	9.356	
1454620	x at	LOC100043734	AV213405	Mm.390690	14	13.307	13.650	13.419	13.370	13.277	13.502	13.369	13.323	13.541	13.500	13.314	13.385	13.354	13.713	13.481	13.350	13.525	13.368	13.397	13.316	13.271	13.300	13.304	13.342	
1454621	at	9430425F17Rik	AK019583	NA	2	9.593	9.735	9.517	9.989	9.471	10.021	9.152	9.366	9.822	9.251	9.305	9.224	9.064	9.354	8.995	9.549	9.725	10.087	9.922	9.907	9.001	9.067	9.943	9.943	
1454622	at	Slc38a5	BG066984	Mm.6055	X	6	6.758	6.470	6.657	6.704	6.601	6.685	6.611	6.552	6.676	6.504	6.610	6.702	6.537	6.773	6.659	6.696	6.730	6.925	6.792	6.736	6.960	6.804	6.887	6.793
1454623	at	Cpa2	BG141511	Mm.268855	6	5.890	5.486	5.609	5.625	5.514	5.710	5.564	5.650	5.632	5.514	5.721	5.484	5.691	5.712	5.475	5.648	5.649	5.574	5.753	5.854	5.809	5.545	6.051	5.514	
1454624	at	Denn2d	AV260555	Mm.440021	6	7.943	8.230	7.947	8.029	8.405	7.730	7.711	7.950	8.254	8.065	8.067	7.916	7.977	8.041	7.938	7.753	7.780	7.789	7.854	7.929	7.936	7.818	8.094	7.878	
1454625	at	Phf6	BG073473	Mm.26870	X	4	4.830	5.318	4.797	4.970	4.890	5.157	5.224	5.135	4.987	5.288	4.893	5.033	4.996	5.306	4.983	4.980	4.930	4.400	4.922	4.943	4.999	5.068	4.863	4.976
1454626	at	Cltc	BM211219	Mm.254588	11	11.740	12.004	11.729	11.651	11.659	11.525	11.807	11.361	11.920	12.120	11.640	11.803	11.856	12.239	11.710	11.818	10.548	11.269	11.485	11.333	11.157	10.771	11.562	11.445	
1454627	a at	ENSMUSG																												

1454676	s	at	Ticam1	BB452539	Mm.203952	17	8.563	8.724	8.318	8.499	8.605	8.345	8.382	8.810	8.714	8.502	8.625	8.606	8.610	8.564	8.443	8.266	8.572	8.484	8.354	8.318	8.488	8.515	8.433	8.284	
1454677	at		Timp2	BF168458	Mm.206505	11	10.731	10.961	10.866	11.472	11.607	11.749	11.151	10.821	11.570	11.739	11.001	11.779	11.930	11.370	11.737	10.904	10.931	11.026	11.207	11.034	10.949	11.074	11.052	11.150	
1454678	s	at	A130022J15Rik	BI149851	Mm.251789	6	8.814	9.068	8.826	8.768	8.842	8.541	8.758	9.034	9.437	8.901	8.706	9.287	9.170	8.962	9.142	8.781	8.925	8.942	8.590	8.568	8.764	9.106	8.795	8.849	
1454679	at		Zfb828	BG068420	Mm.289346	8	9.019	9.037	8.958	9.076	8.932	9.203	8.995	8.843	9.133	9.080	9.191	9.070	9.021	9.110	8.917	9.043	9.047	8.885	8.905	9.111	9.132	8.999	9.222	9.100	
1454680	at		D5Erf0579e	BG073020	Mm.26480	5	10.870	10.851	11.254	11.067	10.882	11.183	11.223	10.264	10.273	10.786	10.580	10.775	10.618	10.734	10.711	11.318	10.517	10.748	10.969	11.052	10.565	10.568	10.953	11.144	
1454681	at		Rbm75Sa	BG071012	Mm.387719	4	5.315	5.273	5.264	5.274	5.165	5.301	5.226	5.204	5.208	5.208	5.327	5.347	5.266	5.330	5.330	5.341	5.183	5.136	5.380	5.272	5.245	5.353	5.198		
1454682	at		A430005L14Rik	BE994111	Mm.7066	4	9.539	9.875	9.457	9.613	9.666	9.412	9.493	9.852	9.860	9.577	9.560	9.847	9.739	9.619	9.436	9.359	10.223	10.130	9.647	9.544	9.813	10.281	9.251	9.202	
1454683	at		Sfrs8	AV327910	Mm.288714	5	5.909	5.884	5.865	5.988	6.083	6.017	5.838	5.898	6.198	6.057	5.978	6.274	6.009	5.855	5.875	6.061	5.958	5.939	6.238	6.194	6.081	6.211	6.173	6.052	
1454684	at		Bbs7	BG074932	Mm.286187	3	7.392	7.377	7.584	7.176	7.211	7.342	7.167	7.450	7.442	7.558	6.702	7.427	7.194	7.000	7.016	7.395	7.720	7.076	7.299	7.315	7.162	7.718	7.180	7.191	
1454685	at		Gpr146	BQ177047	Mm.270003	5	10.791	10.777	11.060	10.814	10.703	11.020	10.886	10.203	10.231	10.552	10.365	10.459	10.536	10.827	10.608	10.967	10.662	10.774	11.121	11.000	10.467	10.439	11.029	11.079	
1454686	at		6430706D22Rik	BM248225	Mm.384762	1	7.090	7.445	7.098	7.159	6.945	6.830	6.994	6.746	7.228	6.991	7.193	6.598	7.256	7.438	6.966	7.291	6.716	6.644	6.826	7.104	7.017	6.829	7.043	6.836	
1454687	at		Lrnf5	Bb371739	Mm.28802	12	4.698	4.163	4.317	4.494	4.214	4.421	4.508	4.400	4.205	4.100	4.504	4.377	4.430	4.306	4.248	4.495	4.313	4.408	4.504	4.610	4.426	4.298	4.407	4.206	
1454688	x	at	Tmed10	AV103299	Mm.379159	12	10.297	10.446	10.119	9.994	9.912	9.717	9.794	10.038	10.599	10.459	9.928	10.194	9.953	10.348	9.889	9.877	9.814	9.821	9.877	9.420	9.954	10.010	9.802	9.880	
1454689	at		Srrm1	BG071865	Mm.1963	4	11.009	10.930	11.070	10.934	10.831	11.081	11.045	10.212	10.562	10.489	10.768	10.729	10.668	11.075	10.935	11.108	10.498	10.683	10.926	10.917	10.594	10.519	11.178	11.048	
1454690	at		Ikbkx	BB147462	Mm.12967	x	9.697	9.646	9.665	9.695	9.840	9.857	9.687	8.872	9.444	9.542	9.309	9.778	9.696	9.569	9.536	9.755	10.215	9.988	9.949	9.871	9.838	10.105	9.613	9.653	
1454691	at		Nrxn1	BB336165	Mm.312068	17	5.573	5.475	5.575	5.547	5.607	5.933	5.880	5.746	5.620	5.621	5.718	5.581	5.923	5.686	5.631	5.828	5.842	5.742	5.798	5.854	5.731	5.758	5.690	5.671	
1454692	x	at	Hnrnpk	BB722680	Mm.142872	13	10.063	9.819	10.122	9.995	10.026	10.187	10.146	10.076	9.985	10.067	9.957	9.916	9.916	10.135	10.107	10.014	9.980	10.118	10.201	10.120	9.979	10.075	10.145	10.118	
1454693	at		Hdac4	BQ176116	Mm.318567	1	8.062	7.845	8.073	8.516	8.202	8.400	8.158	7.647	7.505	7.512	7.724	8.007	7.759	7.608	7.887	8.016	8.190	8.117	7.842	7.878	8.234	8.528	8.378	8.329	
1454694	at		Top2a	BM211413	Mm.4237	11	7.487	10.435	7.464	7.794	9.031	8.060	8.170	9.555	9.921	9.638	9.995	8.217	8.841	10.191	8.847	7.299	7.237	7.041	7.309	6.819	7.613	7.822	7.378	7.083	
1454695	at		Wsr1b	BQ176396	Mm.35828	10	8.499	8.147	8.644	8.501	8.389	8.323	8.471	8.344	8.089	8.357	8.296	8.239	8.142	8.327	8.361	8.549	8.406	8.270	8.411	8.465	8.283	8.222	8.487	8.513	
1454696	at		Gnb1	BG071068	Mm.2344	4	10.989	11.250	10.598	10.719	11.411	11.224	11.118	11.008	11.572	11.677	11.602	10.923	11.318	11.196	11.258	10.523	10.897	10.985	11.104	11.050	10.878	10.865	11.403	11.392	
1454697	at		Sec62	AI226577	Mm.26017	3	9.975	10.316	9.659	9.931	10.409	9.768	9.804	10.678	10.722	10.119	9.816	10.726	10.513	9.753	10.008	9.594	10.492	10.295	9.594	9.466	10.414	10.838	9.921	9.611	
1454698	at		Ptclad1	BG075943	Mm.308180	9	9.932	10.113	10.203	9.945	9.999	9.949	10.119	10.056	9.806	9.906	10.196	9.944	9.893	10.082	10.120	10.060	10.203	9.990	9.934	10.145	10.124	9.719	9.798	10.010	10.033
1454699	at		Sesn1	BG076140	Mm.139418	10	10.975	9.677	10.823	10.851	10.614	10.718	10.478	10.752	9.679	10.289	10.380	10.753	10.361	9.718	11.218	10.791	10.761	10.475	10.314	10.513	11.515	11.578	11.682	11.741	
1454700	at		Lrnf4	BB093349	Mm.329675	19	6.942	7.625	6.856	7.106	6.952	6.917	6.992	6.932	7.210	7.071	6.867	6.966	6.900	6.933	6.771	6.777	7.142	7.068	6.975	6.911	6.904	7.038	6.817	6.675	
1454701	at		4930503L19Rik	AI405962	Mm.87470	18	6.677	7.659	6.740	6.884	7.021	6.951	6.870	7.295	7.528	7.634	7.267	7.196	7.215	7.582	7.359	6.686	6.217	6.413	6.529	6.484	6.876	6.753	7.061	6.959	
1454702	at		4950303L19Rik	BG073020	Mm.26480	18	6.677	7.150	6.744	6.864	6.744	6.958	6.747	6.674	7.036	6.744	6.706	6.734	6.706	6.596	6.596	6.596	6.596	6.596	6.596	6.596	6.596	6.596	6.596	6.596	
1454703	at		Tnfrn1	BF163381	Mm.292489	7	7.053	6.949	6.849	6.756	6.987	6.926	6.976	7.138	6.903	6.969	7.302	7.156	7.037	6.969	7.338	6.731	6.995	6.874	6.928	6.823	6.840	6.963	6.860	6.969	
1454704	at		Scarb2	BI106458	Mm.297964	5	12.662	12.449	12.746	12.663	12.181	12.389	12.357	12.349	12.659	12.714	11.815	12.579	12.428	12.171	12.669	12.807	12.383	12.682	12.499	12.532	12.156	12.298	12.367	12.656	
1454705	at		D18Erfd621e	BM235412	Mm.3224	15	8.703	9.397	8.650	8.741	8.922	8.891	8.943	8.802	9.420	9.246	9.154	8.941	9.057	9.373	9.002	8.690	8.326	8.489	8.445	8.358	8.546	8.608	8.748	8.777	
1454706	at		Uvrug	AV313671	Mm.323072	7	9.358	9.454	9.293	9.438	9.583	9.348	9.193	9.680	9.626	9.497	9.338	9.687	9.689	9.493	9.478	9.454	9.556	9.471	9.463	9.384	9.470	9.637	9.404	9.536	
1454707	at		Z310035C23Rik	BB124070	Mm.337339	1	7.148	7.190	7.344	7.282	7.045	7.582	7.420	6.846	7.061	7.466	7.175	6.991	7.093	7.323	7.381	7.483	6.737	7.290	7.389	7.586	7.061	6.890	7.231	7.716	
1454708	at		Abliin1	BG065289	Mm.217161	19	12.442	11.911	12.631	12.506	12.177	12.311	12.287	12.182	11.604	12.025	11.916	12.039	11.799	11.767	12.152	12.362	12.361	12.299	12.358	12.351	12.212	12.466	12.392	12.344	
1454709	at		Tmem64	BG075363	Mm.394111	4	9.762	10.413	10.058	9.816	10.296	10.448	9.972	10.146	10.421	10.629	10.036	10.614	10.498	10.454	10.430	10.664	10.042	9.971	10.238	10.148	9.870	9.944	9.825	9.973	
1454710	at		Mman12	BG040562	Mm.249552	6	8.495	8.032	8.263	8.505	8.406	8.382	8.271	8.729	8.683	8.359	8.394	8.235	8.327	8.453	8.342	8.416	8.265	8.425	8.322	8.416	8.395	8.425	8.322	8.346	
1454711	at		Trio	BB080177	Mm.211229	15	9.591	9.758	9.690	9.649	9.850	9.769	9.589	9.134	9.880	9.927	9.872	9.831	9.858	9.673	9.930	9.693	9.225	9.603	9.609	9.567	9.529	9.430	9.732	9.840	
1454712	at		AW212577	Mm.260210	4	10.149	10.503	10.298	10.272	10.104	10.148	10.171	10.176	10.175	10.024	10.257	10.077	9.802	10.144	10.095	10.240	10.102	10.318	10.184	10.108	10.246	10.102	10.293	10.293	10.299	
1454713	s	at	Hdc	BG072171	Mm.18603	2	6.572	5.981	6.118	5.994	6.216	6.039	6.120	6.313	5.965	6.015	6.075	5.998	5.974	6.056	6.015	6.148	5.554	5.833	5.949	5.765	5.831	5.856	6.040	6.278	
1454714	x	at	Phadh	AA561726	Mm.16898	3	8.083	9.857	8.360	8.317	8.920	8.689	8.284	9.033	10.220	9.510	9.695	9.241	9.317	9.721	8.962	8.319	8.482	8.366	8.464	8.278	8.504	8.496	8.392	8.586	
1454715	at		Ralv1	BB170143	Mm.121014	3	5.762</																								

1454765	at	Gtf3c3	AW549348	Mm.25856	1	7.693	7.941	7.869	7.608	7.999	7.834	7.805	7.988	7.973	7.516	7.827	7.835	7.934	7.817	7.893	8.179	7.713	7.968	7.838	7.684	7.698	7.642	7.881		
1454766	at	Amn1	BG075041	Mm.290147	6	8.881	9.515	9.007	8.781	9.085	8.851	8.832	9.061	9.379	9.622	8.932	9.274	9.214	9.163	9.003	8.975	8.678	8.956	8.909	8.722	9.093	9.191	9.009	8.958	
1454767	at	D2Bwn1423e	BB359828	Mm.36529	2	7.062	7.115	6.862	7.224	7.402	6.897	6.941	7.381	7.096	7.045	7.094	6.865	7.066	6.983	7.074	7.101	7.108	7.094	7.192	7.075	6.978	7.239	7.174	7.008	
1454768	at	Kcnf1	AV337635	Mm.40173	12	4.223	4.140	4.216	4.041	4.167	4.274	4.276	4.150	4.020	4.115	4.154	4.254	4.159	4.112	4.173	3.978	4.409	4.154	3.928	4.137	4.284	4.279	4.057	4.223	
1454769	at	Tatn2	B0314680	Mm.233322	6	8.499	8.819	8.476	8.602	8.364	8.522	8.668	8.535	8.651	8.697	8.520	8.541	8.280	8.382	8.580	8.463	8.700	8.613	8.588	8.358	8.571	8.476	8.665		
1454770	at	Cckbr	AV221910	Mm.44513	7	7.455	6.927	7.516	7.433	7.384	7.718	7.582	7.274	7.242	7.160	7.478	7.135	7.365	7.409	7.093	7.768	7.518	7.409	7.403	7.703	7.437	7.446	7.544	7.667	
1454771	at	100040297	AW060701	Mm.390468	12	7.497	7.542	7.205	7.440	7.345	7.033	7.399	7.880	7.654	7.237	7.409	7.426	7.310	7.128	7.210	7.208	7.851	7.662	7.251	7.192	7.915	7.965	7.004	7.152	
1454772	at	Asc331	A1327392	Mm.215860	2	6.316	6.345	6.469	6.560	6.664	6.661	6.510	6.339	6.168	6.151	6.717	6.184	6.181	6.250	6.809	6.596	6.749	6.640	6.591	6.747	7.245	7.032	7.119	6.935	
1454773	at	Rkra	B0175050	Mm.24624	2	9.738	9.479	9.789	10.143	9.794	9.842	9.710	9.400	9.306	9.507	9.333	6.991	9.616	9.493	9.625	9.874	10.087	9.952	10.038	10.009	10.068	9.983	9.947	10.055	
1454774	at	Zfp445	BF141180	Mm.326477	9	11.522	11.762	11.574	11.353	11.496	11.580	11.329	11.184	10.992	11.161	10.796	11.163	10.923	11.196	11.301	11.597	11.223	11.371	11.315	11.208	11.472	11.633	11.538	11.562	
1454775	at	Hdac10	AW548891	Mm.203954	15	8.384	8.730	8.481	8.491	8.552	8.488	8.408	8.339	8.521	8.569	8.484	8.768	8.713	8.401	8.417	8.414	8.731	8.601	8.420	8.410	8.545	8.610	8.543	8.344	
1454776	at	Ehm1	BB409568	Mm.24176	2	9.903	9.922	9.854	10.046	10.062	10.035	9.868	9.864	9.992	10.059	9.972	10.184	10.165	9.957	9.932	9.991	10.121	10.090	10.054	10.017	10.041	10.052	9.947	9.969	
1454777	at	Sloc2b1	BB553107	Mm.11249	7	7.086	6.670	6.872	7.018	6.827	6.771	6.982	6.952	6.868	6.676	7.025	6.743	6.874	6.832	6.813	6.990	6.850	6.762	6.875	6.887	7.100	6.758	6.938	7.031	
1454778	x at	Rps28	AV260617	Mm.352374	17	14.077	14.442	13.789	13.967	14.207	13.938	13.969	14.482	14.596	14.378	14.278	14.220	14.300	14.304	13.947	13.727	14.311	14.194	13.954	13.924	14.247	14.318	13.843	13.647	
1454779	s at	C23005212Rik	BG072034	Mm.389955	7	8.590	8.690	8.475	8.500	8.542	8.311	8.554	8.537	8.886	8.423	8.688	8.470	8.512	8.665	8.496	8.369	8.292	8.509	8.522	8.471	8.266	8.258	8.358	8.354	
1454780	at	Galnt4	AV238718	Mm.323322	7	7.217	7.566	7.344	7.462	7.374	7.352	7.271	7.355	7.026	7.326	7.780	7.555	7.328	7.400	7.583	7.325	7.394	7.537	7.769	7.488	7.407	7.412	7.410	7.351	
1454781	x at	Commdd9	BB506415	Mm.304024	2	8.423	8.823	8.286	8.384	8.391	8.349	8.385	8.703	8.697	8.479	8.387	8.568	8.428	8.401	8.448	8.093	8.888	8.581	8.599	8.480	8.741	8.831	8.945	8.343	
1454782	at	Bai3	BE979636	Mm.336569	1	4.171	3.981	4.040	4.128	4.055	4.145	4.210	4.253	4.011	4.046	4.076	4.011	4.072	4.101	4.164	4.129	4.125	4.128	4.119	4.119	4.259	3.935	4.155	4.281	
1454783	at	Il13ra1	B1081033	Mm.24208	X	9.530	9.699	9.546	9.451	9.637	9.738	9.695	9.503	9.381	9.578	9.685	9.592	9.528	9.740	9.503	9.530	9.323	9.264	9.279	9.318	9.368	9.755	9.439	9.303	
1454784	at	Hs32t2	AV340742	Mm.247449	7	7.086	6.670	6.872	7.018	6.827	6.771	6.982	6.952	6.868	6.676	7.025	6.743	6.874	6.832	6.813	6.990	6.850	6.762	6.875	6.887	7.100	6.758	6.938	7.031	
1454785	at	Dusp11	BE951717	Mm.24007	6	9.726	9.966	9.713	9.732	9.931	9.910	9.778	9.836	10.224	10.150	9.940	10.058	10.173	10.083	10.002	9.735	9.889	10.007	10.071	10.014	9.739	9.888	9.721	9.651	
1454786	at	S031439G07Rik	AV327520	Mm.323925	15	8.345	8.755	8.148	8.423	8.428	8.288	8.363	8.203	8.445	8.581	8.526	8.294	8.386	8.776	8.274	8.197	8.126	8.241	8.330	8.310	8.241	8.094	8.176	8.092	
1454787	at	Zdh3h	A1875447	Mm.207367	X	8.957	9.985	8.684	8.822	9.400	8.200	8.278	9.277	9.966	9.426	9.834	9.270	9.299	8.835	8.365	8.572	8.900	8.615	8.038	7.852	8.829	8.963	8.053	7.952	
1454788	at	Arl4c	B0176306	Mm.27968	1	8.743	9.764	8.806	8.610	9.239	8.876	8.778	9.163	9.806	9.847	9.592	9.560	9.566	9.634	9.517	8.804	8.580	8.445	8.499	8.318	8.640	8.573	8.614	8.634	
1454789	x at	Prpf6	BB085604	Mm.292001	2	7.257	7.681	7.526	7.396	7.242	6.834	7.178	7.483	7.424	7.402	6.767	7.742	7.334	7.136	7.366	7.352	7.814	7.453	7.015	7.158	7.298	7.606	7.817	7.482	
1454790	at	Wdr35	BG072960	Mm.87389	12	8.168	8.071	8.239	8.282	8.257	8.256	8.388	7.905	8.201	8.285	7.886	8.245	8.335	7.804	7.900	8.223	8.210	8.176	8.151	8.200	8.044	8.086	8.091	7.981	
1454791	a at	Rb10a1	AV204915	Mm.31589	4	9.048	9.070	8.913	8.938	8.999	9.035	9.037	9.081	9.088	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	9.081	
1454792	at	Seprh3	BB293127	Mm.34329	2	8.551	8.808	8.707	8.631	8.618	8.698	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	8.693	
1454793	x at	Ddx5	AV025424	Mm.220038	11	10.808	10.344	10.036	10.792	10.382	10.643	10.868	10.592	9.941	10.449	10.124	10.428	10.073	10.215	10.581	10.778	10.513	10.270	10.286	10.296	10.761	11.093	10.853	10.998	
1454794	at	Spast	AV298495	Mm.19804	17	9.186	9.211	9.278	9.257	9.184	9.404	9.187	9.077	9.246	9.528	9.043	9.318	9.375	9.346	9.242	9.246	9.118	8.959	9.202	9.234	9.085	9.322	9.194	9.226	
1454795	at	Colb1l	AV080881	Mm.34159	2	10.715	9.845	10.908	10.592	10.088	10.524	10.348	10.163	9.516	10.152	9.622	10.101	9.857	9.901	10.467	10.833	10.320	10.225	10.216	10.048	10.722	10.953	11.068	11.058	
1454796	at	Ficd	C77487	Mm.21926	5	6.994	7.297	6.988	7.100	6.988	6.841	7.033	7.060	7.116	6.834	6.730	6.912	7.032	6.822	6.758	6.982	7.503	7.272	6.924	7.006	7.184	7.188	6.963	7.014	
1454797	at	Tmem55b	AW556098	Mm.239117	14	9.745	9.840	9.792	9.876	9.891	9.829	9.756	9.727	9.861	9.811	9.532	9.803	9.945	9.956	10.017	9.836	9.993	9.891	9.893	9.835	9.752	9.690	9.822	9.745	
1454798	at	Rhm15b	AW556301	Mm.431589	9	7.606	7.311	7.455	7.377	7.595	7.414	7.490	7.541	7.585	7.533	7.671	7.632	7.782	7.488	7.578	7.556	7.693	7.640	7.587	7.569	7.663	7.871	7.545	7.713	7.532
1454799	at	R3sbt9	AV202678	Mm.291911	5	8.068	8.043	8.013	8.038	8.099	8.029	8.078	8.170	8.002	8.038	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043	8.043
1454800	at	Mmr2	BF319573	Mm.45208	7	7.614	7.675	7.423	7.339	7.708	7.451	7.394	7.927	7.550	7.579	7.330	8.100	7.899	7.096	7.498	7.383	7.926	7.905	7.437	7.469	7.715	8.020	7.310	7.088	
1454801	at	Ankrd28	BG066840	Mm.37660	14	8.649	8.776	8.486	8.536	9.113	8.774	8.787	9.000	8.461	8.859	8.739	8.984	8.820	8.488	8.698	8.638	8.910	9.001	8.720	8.731	8.807	8.866	8.886	8.588	
1454802	x at	Arih2	BB140664	Mm.290447	9	11.375	11.302	11.382	11.361	11.478	11.476	11.303	11.534	11.175	11.093	11.296	11.480	11.247	11.254	11.294	11.390	11.753	11.605	11.565	11.515	11.483	11.780	11.421	11.555	
1454803	a at	Hdac11	BB183559	Mm.206218	6	8.540	8.011	8.631	8.734	8.525	8.820	8.610	8.199	7.962	7.964	8.100	8.507	8.467	7.963	8.548	8.574	9.105	8.985	8.919	8.942	8.756	8.781	8.641	8.721	
1454804	at	Nploc4	BB464493	Mm.309520	11	9.142	9.212	9.278	9.081	9.136	9.037	9.013	8.270	8.856	9.268	9.073	9.088	9.029	9.143	9.045	9.292	8.432	8.850	9.055	8.971	8.743	8.500	9.129	9.237	
1454805	at	Wtao	AV141160	Mm.275521	17	9.252	9.612	9.248	9.275	9.206																				

1454854	at	Ostb	AV000952	Mm.335247	9	6.968	6.701	6.887	6.882	6.819	6.986	6.745	6.966	6.848	6.955	6.678	6.637	6.968	6.871	6.847	6.865	6.674	6.925	6.992	6.699	6.772	6.882	6.859		
1454855	at	MaqI2	BO176520	Mm.332231	5	6.487	6.448	6.504	6.489	6.551	7.076	6.632	6.555	6.644	6.942	6.359	7.049	6.728	6.363	6.459	6.531	7.258	6.650	6.645	7.103	6.809	7.313	6.860	7.009	
1454856	x at	100038991	AV066335	NA	1	10.570	11.230	10.437	10.516	10.713	10.505	10.553	11.271	11.417	11.031	10.792	10.994	10.911	10.991	10.469	10.199	11.101	10.922	10.451	10.454	10.827	11.031	10.289	10.173	
1454857	at	RnfI22	AW551457	Mm.29532	8	8.252	7.924	8.208	8.223	8.216	8.243	8.127	7.870	7.846	8.034	8.599	8.245	8.140	8.194	8.310	8.261	8.191	8.141	8.127	8.302	8.222	8.288	8.482	8.474	
1454858	x at	Merf12	AV171232	Mm.220975	15	8.818	9.441	10.200	9.889	9.867	9.885	9.770	9.202	9.458	9.781	9.847	9.682	9.095	9.725	10.072	10.442	10.116	9.981	10.034	10.024	10.634	9.947	9.787		
1454859	at	Rpl23	AV124394	Mm.140380	11	14.863	15.159	14.918	14.862	14.891	15.022	15.013	14.817	15.152	15.071	14.949	14.943	15.001	15.183	14.968	14.993	14.732	14.855	14.973	14.941	14.714	14.710	14.944	14.784	
1454860	x at	Dad1	B1966630	Mm.319038	14	11.423	11.923	11.431	11.282	11.623	11.472	11.348	11.411	11.086	11.967	11.575	11.683	11.602	11.780	11.336	11.289	11.334	11.606	11.145	11.408	11.465	11.385	11.152	11.202	
1454861	at	Txlna	BB038251	Mm.268863	4	8.353	8.634	8.434	8.484	8.582	8.533	8.462	8.071	8.751	8.743	8.752	8.480	8.582	8.603	8.615	8.452	8.216	8.453	8.464	8.423	8.271	8.204	8.401	8.702	
1454862	at	Phldb2	AV253284	Mm.211477	16	9.757	10.964	9.520	9.705	10.499	10.190	10.427	11.368	11.303	10.195	11.004	11.197	10.922	10.723	9.961	9.981	10.068	9.788	10.313	10.071	10.225	9.300	9.340	9.656	
1454863	at	Ankrd11	AV335903	Mm.31567	8	9.201	8.896	9.166	9.153	9.026	9.105	9.053	9.139	8.646	9.087	8.777	9.009	8.982	8.769	9.061	9.187	9.101	9.008	9.002	8.685	8.895	9.293	8.881	9.133	
1454864	at	Zfp592	BB478535	Mm.29525	7	7.891	8.121	7.757	7.867	8.021	7.652	7.684	7.809	7.802	7.878	7.850	7.817	7.665	7.790	7.638	7.526	7.724	7.668	7.641	7.852	7.737	7.731	8.002		
1454865	at	Sc9a8	BB408147	Mm.278924	2	7.756	7.727	7.615	7.920	7.702	7.619	7.770	7.480	7.643	7.760	7.630	7.614	7.427	7.678	7.548	7.960	7.715	7.693	7.720	7.902	7.658	7.680	7.809	7.953	
1454866	s at	Cic6	BO176424	Mm.44747	16	8.825	8.505	8.673	8.642	8.672	8.890	8.565	8.709	8.856	8.714	8.735	8.617	8.525	8.818	8.582	8.967	8.563	8.536	8.751	8.036	8.455	8.572	8.021	8.632	
1454867	at	Mn1	BB234631	Mm.332576	5	9.128	8.749	9.179	9.195	9.351	9.020	8.935	9.263	9.667	9.669	8.710	10.076	9.925	8.919	9.405	9.280	9.097	8.963	8.435	7.869	9.562	9.789	9.342	9.518	
1454868	at	Tmem201	BB104462	Mm.266704	4	10.891	10.681	10.952	11.061	10.825	11.032	10.860	10.288	9.811	10.274	10.591	10.472	10.302	10.471	10.735	11.016	10.856	11.005	11.067	11.130	10.773	10.733	11.085	11.089	
1454869	at	Wdr40b	BB274776	Mm.55685	X	4.531	4.479	4.597	4.513	4.520	4.597	4.646	4.663	4.275	4.550	4.231	4.450	3.697	4.228	4.356	4.477	5.052	4.495	4.570	4.233	4.534	4.982	4.772	4.516	
1454870	x at	Gpr172b	BB251205	Mm.28597	15	7.321	8.186	7.342	7.367	7.569	7.157	7.349	7.805	7.720	7.379	7.236	7.590	7.458	7.648	7.157	7.200	7.615	7.522	7.434	7.311	7.304	7.412	7.139	7.197	
1454871	at	Rbm15b	BB776868	Mm.431589	9	7.942	7.788	7.686	7.653	7.656	7.736	7.729	7.635	7.591	7.709	7.734	7.681	7.569	7.630	7.678	7.690	7.704	7.647	7.655	7.590	7.688	7.403	7.762	7.791	
1454872	at	D320308b11Rik	AW554529	Mm.278974	5	9.287	9.392	9.404	9.359	9.305	9.513	9.487	9.318	9.235	9.506	9.269	9.221	9.297	9.410	9.306	9.376	9.183	9.217	9.326	9.249	9.222	9.338	9.418	9.576	
1454873	at	Zfp775	BB667577	Mm.435190	6	8.245	8.063	8.365	8.507	8.353	8.278	8.199	7.997	7.801	8.149	7.589	8.512	8.062	8.061	8.190	8.516	8.464	8.648	8.531	8.478	8.278	8.324	8.407	8.515	
1454874	at	Btdb7	BO076293	Mm.63456	12	10.037	10.061	10.174	10.176	10.190	10.223	10.134	9.953	10.161	10.313	10.211	10.440	10.314	10.175	10.397	10.172	10.125	10.139	10.202	10.082	10.104	10.141	10.251	10.363	
1454875	a at	Rbbp4	BF011461	Mm.12145	4	7.062	7.239	7.099	7.190	7.170	7.060	7.098	6.951	6.979	7.025	7.132	7.142	7.358	7.402	7.121	6.967	7.104	7.037	7.290	6.974	7.323	6.870	7.083	6.948	
1454876	at	Rhd23	BB771587	Mm.86744	1	6.692	7.036	6.824	6.990	7.044	6.603	6.528	6.885	7.597	7.216	6.848	7.152	7.243	6.966	6.808	6.761	6.652	6.876	6.680	6.318	6.545	6.744	6.533	6.394	
1454877	at	Sertad4	BO174721	Mm.22806	1	7.577	9.314	7.869	8.215	9.404	8.876	8.231	8.923	10.581	10.428	8.858	9.093	10.293	10.451	9.767	9.781	8.175	8.126	8.471	8.328	7.815	8.258	7.892	7.723	7.100
1454878	at	Dzip3	BM936291	Mm.275138	16	7.553	8.349	7.745	7.703	8.084	8.084	7.574	7.773	7.954	8.381	8.518	7.666	8.297	8.065	8.399	8.036	7.917	7.200	7.862	8.114	7.525	7.067	7.330	7.720	7.318
1454879	s at	1700052N19Rik	BM235411	Mm.346733	10	7.016	7.367	6.880	7.067	7.312	7.187	6.992	7.054	7.188	7.402	7.664	7.206	7.348	6.941	6.953	7.438	7.114	7.123	7.016	7.176	7.073	7.076	7.234	7.298	
1454880	s at	Usp21	BM212242	Mm.101225	2	7.058	7.137	7.072	7.037	7.236	7.241	7.038	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058	7.058
1454881	at	Upk3b	BO084786	Mm.308293	6	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088	6.088
1454882	at	L3mbt13	BB022070	Mm.338439	10	7.876	8.097	8.318	8.018	8.006	8.058	8.028	7.673	8.329	8.502	7.784	8.273	8.205	8.160	8.250	8.175	8.007	7.767	8.050	7.662	7.898	8.107	7.990	8.049	
1454883	at	Gsdmc2	AV375328	Mm.273185	15	4.305	4.370	4.278	4.441	4.110	4.394	4.214	4.376	4.232	4.250	4.394	4.232	4.222	4.309	4.255	4.210	4.272	4.329	4.319	4.329	4.284	4.362	4.460	4.348	
1454884	at	Zbtb46	BG073185	Mm.307728	2	7.425	7.524	7.764	7.526	7.740	7.429	7.636	7.555	7.485	7.686	7.749	7.772	7.559	7.610	7.799	7.812	7.422	7.394	7.257	7.143	7.602	7.557	7.856	8.066	
1454885	at	BC063263	BM211194	Mm.333810	7	4.674	4.798	4.659	4.951	4.515	4.752	4.908	4.963	4.659	4.689	4.724	4.709	4.002	4.785	4.751	4.800	4.801	5.180	5.504	4.761	4.487	4.964	4.895	4.691	4.562
1454886	x at	Trim9	BB083438	Mm.184012	12	4.825	4.743	4.853	4.684	4.922	4.824	4.746	4.911	4.819	4.912	5.042	4.749	4.861	4.720	4.878	4.994	4.895	4.841	5.015	4.926	4.887	4.820	4.833	4.958	
1454887	at	Pak2	AV537308	Mm.234204	16	9.233	9.713	9.393	9.340	9.361	9.456	9.389	9.224	9.526	9.629	9.625	9.407	9.497	9.755	9.464	9.434	9.004	9.051	9.092	9.139	9.022	9.115	9.468	9.499	
1454888	at	Fat5	BB054092	Mm.245680	2	7.478	8.293	7.645	7.854	8.983	8.569	7.749	9.072	8.669	8.829	9.729	8.627	8.765	8.775	8.566	7.762	8.957	8.629	8.291	8.305	8.067	8.030	8.407	7.547	
1454889	x at	Tmc33	BB711990	Mm.23047	10	9.492	9.909	9.511	9.517	9.602	9.567	9.303	9.333	9.114	9.269	9.187	9.439	9.583	9.149	9.490	9.533	9.564	9.467	9.308	9.510	9.649	9.861	8.862	9.745	
1454890	at	Amot	BB067039	Mm.100068	X	9.171	9.893	9.414	9.279	9.554	9.364	9.593	10.359	9.209	9.384	10.375	10.138	9.686	10.170	9.909	9.482	8.507	9.179	9.302	8.948	8.794	8.930	8.803	8.974	
1454891	at	Cds2	BM214378	Mm.284503	2	6.920	7.700	6.935	7.101	6.639	6.931	6.986	6.916	6.948	7.296	7.097	6.822	6.954	7.047	6.991	7.144	6.792	7.175	6.796	7.018	6.910	6.891	7.260	7.207	
1454892	at	Pitbnb	AW543558	Mm.200516	5	11.331	11.343	11.417	11.475	11.365	11.530	11.394	11.317	11.372	11.197	11.347	11.390	11.349	11.394	11.448	11.508	11.346	11.402	11.449	11.147	11.361	11.601	11.501	11.445	
1454893	at	11N0133L07Rik	BB765852	Mm.275801	3	7.158	7.679	7.160	7.422	7.672	7.389	7.286	7.314	7.991	7.916	7.293	7.930	7.991	7.551	7.435	7.043	7.504	7.421	7.351	7.475	7.221	7.459	7.102	7.305	
1454894	at	NA	BB139801	NA																										

1454943	a	at	Hic1	BM935413	MM.2717190	5	6.076	6.123	6.066	6.133	6.098	5.939	6.171	6.506	5.970	6.138	6.078	5.978	6.075	5.982	6.202	6.239	6.346	6.226	6.033	6.074	6.240	6.413	6.023	6.260	
1454944	at	Pax2	BE648070	MM.261602		16	6.951	6.506	6.810	6.702	6.717	6.785	6.812	6.744	6.524	6.553	6.676	6.615	6.663	6.514	6.687	6.973	7.203	7.121	6.808	6.589	7.074	6.954	6.721	6.705	
1454945	at	Cep92	BB541889	MM.178427		16	6.506	6.481	6.913	6.804	6.822	6.979	6.784	6.458	6.425	6.716	6.134	6.990	6.751	6.534	6.738	6.586	6.895	6.831	7.107	6.952	6.788	7.030	6.746	6.862	
1454946	at	Myb2	AV095095	MM.4594		2	6.243	6.460	6.106	6.197	6.343	6.098	6.437	6.287	6.056	6.046	6.415	6.066	6.160	6.240	6.250	6.231	6.177	6.154	6.174	6.308	6.120	6.114	6.140	6.145	
1454947	at	Ubp1c1	BE335796	MM.238784		11	9.089	9.411	9.382	9.341	9.494	9.201	9.393	9.083	9.955	9.230	9.824	9.104	8.842	9.302	9.083	9.415	9.077	9.291	9.502	9.148	9.222	9.228	9.502		
1454948	at	Ubp1c1	BB354576	MM.295330		16	9.590	9.831	9.600	9.822	9.677	9.698	9.642	9.482	9.611	9.631	9.761	9.615	9.530	7.789	9.595	9.759	9.384	9.515	9.582	9.575	9.377	9.460	9.623	9.721	
1454949	at	Usp7	BB354576	MM.295330		16	8.279	8.061	8.215	8.312	8.247	8.107	8.279	8.284	8.312	8.269	8.188	8.215	8.141	8.257	8.197	8.520	8.475	8.413	8.250	8.327	8.484	8.105	8.207		
1454950	at	B93006L02Rik	BB699417	MM.260362		7	6.744	6.898	6.606	6.443	6.751	6.480	6.509	6.776	6.898	6.820	6.960	6.747	6.760	6.806	6.810	6.520	6.204	6.713	6.671	6.587	6.599	6.750	6.798	6.555	
1454951	at	Zfp606	BB026842	MM.98929		7	6.597	6.415	6.959	7.021	6.246	6.833	6.990	6.168	6.054	6.723	6.516	6.693	6.269	6.571	6.788	7.181	6.642	7.023	7.117	7.050	6.239	6.626	6.651	6.749	
1454952	s	at	Ncapd3	BG069311	MM.251777	9	8.115	8.579	8.113	8.236	8.574	8.443	8.252	8.804	7.993	8.046	8.029	8.319	8.200	8.315	8.207	8.001	8.772	8.716	8.408	8.309	8.429	8.699	8.227	8.312	
1454953	at	Rnf157	BB246182	MM.426344		11	8.279	8.097	8.251	8.092	8.259	8.173	8.153	8.291	7.916	7.978	8.086	7.968	8.186	8.135	8.264	8.140	7.885	8.216	8.154	8.105	8.315	7.898	8.290	8.111	
1454954	at	Wdr61	BF730671	MM.28437		9	5.587	5.419	5.652	5.576	5.634	5.515	5.467	5.546	5.515	5.543	5.564	5.535	5.332	5.682	5.527	5.497	5.590	5.521	5.526	5.764	5.563	5.446	5.542	5.391	
1454955	at	Ipo7	BQ922298	MM.222322		7	11.505	11.640	11.378	11.515	11.725	11.524	11.516	11.483	11.362	11.640	11.827	11.702	11.582	11.663	11.496	11.420	11.182	11.269	11.429	11.456	11.244	11.419	11.581	11.568	
1454956	at	Rps6k1b	BM212538	MM.394280		11	9.323	9.549	9.611	9.447	9.632	9.812	9.626	9.452	9.438	9.476	9.749	9.638	9.644	9.789	9.672	9.480	9.462	9.947	9.843	9.674	9.413	9.494	9.548	9.641	
1454957	at	Nob1	BM232004	MM.334793		8	9.413	9.595	9.405	9.383	9.294	9.332	9.350	9.471	9.316	9.355	9.744	9.524	9.288	9.377	9.235	9.443	9.629	9.440	9.379	9.439	9.408	9.519	9.263	9.409	
1454958	at	Gsk3b	BO175580	MM.394930		16	10.052	10.339	10.223	10.209	9.894	9.897	10.052	10.510	9.878	9.984	10.226	10.437	9.905	9.935	9.943	10.008	10.077	9.915	9.973	9.865	9.937	10.412	9.985	10.002	
1454959	s	at	Gnai1	BO174580	MM.254629	5	9.458	9.721	9.651	9.521	9.866	10.321	9.679	9.793	9.599	9.800	9.982	9.822	9.885	9.598	10.229	9.583	9.641	9.600	10.116	9.501	9.312	9.751	9.480	9.795	
1454960	at	Smad3	BI646741	MM.7320		9	9.370	9.492	9.371	9.655	9.502	9.513	9.451	9.165	9.576	9.525	9.253	9.701	9.582	9.568	9.431	9.450	9.552	9.544	9.702	9.605	9.822	9.197	9.539	9.609	
1454961	at	Synn1	BM244400	MM.187079		16	9.779	10.091	9.778	9.637	9.786	9.815	9.756	9.852	9.890	9.964	9.654	9.863	9.968	9.987	9.781	9.821	9.701	9.735	9.776	9.668	9.651	9.968	9.729	9.711	
1454962	at	Spire1	AU067702	MM.208723		18	6.377	6.493	6.141	6.022	6.258	6.378	6.271	6.141	7.131	6.745	6.433	6.382	6.491	6.909	6.557	6.241	6.081	6.152	6.062	6.027	6.017	6.194	6.355	6.335	
1454963	at	E430028B21Rik	BO121712	MM.290758		14	8.303	8.902	8.378	8.080	8.384	8.116	8.199	8.347	8.798	8.765	8.788	8.560	8.468	8.658	8.318	8.256	9.950	8.246	8.176	8.001	8.139	8.203	8.220	8.822	
1454964	at	Rpd1a	BM210917	MM.28427		18	11.805	11.338	11.950	11.776	11.591	11.730	11.652	11.310	11.077	11.353	11.338	11.401	11.339	11.156	11.514	11.946	11.648	11.771	11.867	11.914	11.589	11.589	11.714	11.907	
1454965	at	Nra	BE980088	NA	NA		6.796	6.825	6.472	6.430	6.852	6.916	6.731	6.577	7.508	7.368	6.531	7.027	7.269	6.873	6.996	6.508	6.395	6.773	6.854	6.425	6.516	6.611	6.492	6.522	
1454966	at	Itih8	BO175493	MM.329997		2	7.012	7.089	7.108	7.475	7.484	9.241	7.433	7.637	7.572	7.937	7.426	7.462	7.604	7.759	7.219	7.148	7.821	7.501	7.873	7.085	7.616	7.547	7.358	7.154	
1454967	at	Nra	BM246522	NA	NA		10.328	9.159	10.258	10.351	10.255	10.427	10.105	10.024	9.485	9.767	9.028	10.347	10.208	9.482	10.402	10.413	10.755	10.549	10.404	10.669	10.600	10.841	10.400	10.688	10.510
1454968	at	1110034A24Rik	AV011961	MM.107180		12	6.484	6.974	6.357	6.355	6.620	6.513	6.497	6.488	6.582	6.718	6.593	6.526	6.500	6.768	6.595	6.552	6.647	6.506	6.556	6.507	6.264	6.378	6.569	6.433	
1454969	at	Lyp6d	BE298725	MM.249720		15	10.245	10.245	9.668	9.668	9.740	9.702	9.638	9.611	9.268	9.993	9.738	9.741	9.738	9.828	9.767	9.670	9.616	9.292	9.222	9.492	9.222	9.492	9.222	9.492	
1454970	at	Bucl1	BM240002	MM.277413		5	4.466	6.631	5.385	5.491	6.501	5.400	5.548	5.366	5.529	5.366	5.510	5.383	5.485	5.357	5.373	5.247	5.383	5.585	5.556	5.566	5.383	5.585	5.566	5.383	
1454971	x	at	Tsc22d1	BB357514	MM.153272	14	13.384	13.083	13.294	13.370	13.399	13.555	13.502	13.422	13.088	13.245	13.910	13.296	13.295	13.391	13.815	13.282	13.241	13.241	13.552	13.456	13.458	13.562	13.561	13.771	
1454972	at	Atcy	BM042885	MM.127681		10	6.832	6.441	6.756	6.623	6.656	6.581	6.589	6.675	6.498	6.345	6.732	6.585	6.890	6.690	6.744	6.826	6.795	6.746	6.680	6.757	6.802	6.699	6.640	6.878	
1454973	at	Atf7ip	BF456242	MM.137271		6	9.984	9.495	10.177	10.080	10.248	10.246	10.284	10.112	9.610	9.834	9.530	10.033	9.906	9.684	9.951	10.201	10.512	10.383	10.245	10.174	10.183	10.470	9.983	9.921	
1454974	at	Ntn1	BI143915	MM.39095		11	9.860	9.586	9.701	9.747	9.816	9.578	9.128	9.829	9.203	9.609	9.410	9.303	9.364	9.931	9.347	10.001	9.824	9.895	9.904	9.968	9.629	9.395	9.921	9.862	
1454975	at	Ccdc13	BO075935	MM.207621		10	9.084	9.459	9.330	9.160	9.716	9.353	9.235	9.200	9.679	9.850	9.817	9.420	9.577	9.529	9.436	9.267	9.890	9.840	9.107	9.011	8.902	9.128	8.953	9.103	
1454976	at	Sod1	BO174944	MM.290876		17	11.825	10.856	11.877	11.677	11.677	11.695	11.680	11.291	10.811	10.628	11.026	10.604	10.318	10.585	11.113	11.113	11.663	11.671	11.670	11.874	11.734	11.915	11.787	12.049	
1454977	at	Lif	BM201024	MM.210224		7	8.340	8.293	8.229	8.255	8.252	8.168	8.116	8.242	8.236	8.251	8.225	8.270	8.094	8.206	8.270	8.226	8.438	8.271	8.292	8.385	8.242	8.422	8.385	8.422	
1454978	at	Ttyh3	BM180649	MM.28947		5	9.191	9.807	9.192	9.383	9.548	9.241	9.327	9.435	10.077	9.818	9.899	9.439	9.835	9.674	9.502	9.109	9.219	9.363	9.368	9.059	9.274	9.276	9.309	9.297	
1454979	at	Dia1p	BM210370	MM.195916		18	9.666	10.161	9.558	9.720	9.854	9.690	9.645	9.940	10.113	9.896	10.123	9.817	9.832	9.967	9.741	9.633	9.699	9.716	9.718	9.408	9.368	9.689	9.659	9.554	
1454980	at	4930402E16Rik	BB667201	MM.370024		8	10.998	10.713	10.994	11.032	10.999	11.121	10.952	10.754	10.423	10.689	10.655	10.896	10.624	10.548	10.915	11.072	11.166	11.230	11.032	11.237	11.133	11.304	11.161	11.261	
1454981	at	B4Ert22e	BM203518	MM.332006		4	9.823	10.055	9.926	9.935	9.813	9.937	9.875	9.595	9.652	9.689	9.766	9.797	9.657	9.733	9.687	9.963	9.685	9.742	9.730	9.736	9.659	9.520	9.870	9.940	
1454982	at	Arf2f3	BO174041	MM.297192		2	10.096	9.849	10.232	10.130	10.010	10.031	9.963	9.754	9.656	9.980	9.608	10.004	9.900	9.813	9.816										

1455032	at	Ccny11	B0176303	Mm.39706	1	9.992	10.354	9.816	9.682	10.088	9.747	9.904	10.237	10.538	10.270	10.605	10.032	10.114	10.318	10.113	9.745	9.844	9.782	9.776	9.649	9.840	9.988	9.676	9.721
1455033	at	B430201A12Rik	BB325849	Mm.69013	3	8.806	9.281	8.692	8.844	9.076	9.226	8.856	9.173	9.068	9.265	9.108	9.313	9.491	9.072	9.473	8.759	8.621	8.902	8.957	8.914	8.920	9.189	9.119	9.113
1455034	at	Nr4a2	BB703394	Mm.3507	2	4.759	4.678	4.107	4.032	4.462	4.707	4.553	4.416	4.809	5.081	5.017	4.724	4.645	4.626	4.491	4.524	4.063	4.261	4.196	3.839	4.136	3.824	4.275	4.403
1455035	s at	Nof5a	BM249243	Mm.29363	2	8.294	8.632	8.167	8.107	8.168	8.258	8.232	8.178	8.114	7.871	8.624	7.992	7.917	8.548	8.040	8.219	8.361	8.283	8.106	8.119	8.061	8.194	8.174	8.110
1455036	s at	Ndufc2	AV124743	Mm.334031	7	13.942	13.681	13.823	13.705	13.724	13.760	13.876	13.764	13.476	13.616	13.534	13.708	13.483	13.594	13.815	13.864	13.781	13.778	13.791	13.762	13.839	13.806	13.810	13.858
1455037	at	Pksm2	BB002869	Mm.2251	1	8.946	8.385	8.700	8.697	8.807	8.658	8.810	9.047	8.820	8.961	8.926	8.738	8.850	8.159	8.926	8.704	8.820	8.552	8.890	8.822	8.947	8.862	9.477	8.880
1455038	at	ENSVMUSG000000	AV299818	Mm.459532	2	5.060	5.043	4.796	5.056	4.839	4.969	4.845	4.932	5.271	4.998	4.925	4.825	4.956	5.211	4.771	4.720	4.724	5.120	4.806	5.133	4.964	5.076	4.883	4.652
1455039	a at	Sin3b	BF017589	Mm.2137	8	11.806	12.371	11.837	11.752	12.005	11.778	11.880	12.178	12.266	12.110	11.980	12.253	12.187	12.085	11.964	11.689	12.214	12.077	11.983	11.746	12.065	12.170	11.785	11.589
1455040	s at	RP23-448C18.1	BI965045	Mm.388968	X	6.233	5.902	6.053	6.166	6.049	5.939	6.007	6.029	6.156	6.181	6.021	6.007	6.050	6.031	6.162	6.193	6.227	5.918	6.093	5.977	5.969	6.061	6.035	6.021
1455041	at	Om2b	BG071097	Mm.360477	9	4.120	4.196	4.057	4.014	4.122	4.039	4.052	3.890	4.048	4.052	4.232	4.021	4.120	4.275	4.033	4.052	4.107	4.107	3.984	3.951	4.084	3.948	4.035	3.906
1455042	at	NA	BF682509	NA	NA	9.707	10.235	9.866	9.925	10.155	9.956	9.844	9.560	10.185	10.122	9.705	9.860	10.196	9.905	9.922	9.905	9.856	9.928	10.017	9.822	9.770	9.157	9.702	9.699
1455043	at	Tnpo1	BM236809	Mm.173286	13	8.132	8.685	8.226	8.049	8.116	8.215	8.268	8.222	8.443	8.532	8.428	8.085	8.159	8.715	8.377	8.288	7.869	7.941	8.165	8.128	7.931	8.221	8.240	8.366
1455044	at	Tmem44	BB080090	Mm.241457	16	6.430	6.146	6.068	6.239	6.451	6.370	6.386	6.620	6.452	6.253	6.615	6.767	6.389	6.301	6.423	6.413	6.776	6.393	6.487	6.499	6.597	6.308	6.306	5.938
1455045	at	Srr	B0173986	Mm.131443	11	9.305	8.953	9.337	9.278	9.303	9.262	9.274	9.239	9.028	9.254	9.043	9.439	9.330	8.899	9.290	9.348	9.190	9.267	9.242	9.236	9.076	9.331	9.179	9.366
1455046	a at	Poaz	BI250645	Mm.274787	3	8.913	8.783	9.058	9.045	8.870	9.028	9.005	8.713	8.719	8.895	8.482	8.763	8.771	8.757	8.831	9.019	8.812	9.003	8.845	8.762	8.918	9.129	9.026	9.319
1455047	at	Fbxo3	AV024918	Mm.143768	2	9.099	9.236	9.117	9.031	8.931	9.436	9.224	9.128	8.898	9.113	9.062	8.911	8.993	9.250	9.346	9.135	9.001	9.009	9.267	9.292	9.039	8.955	9.169	9.427
1455048	at	Iqsf3	BB484576	Mm.257997	3	8.950	9.124	8.865	8.806	9.033	8.448	8.719	8.256	9.434	9.434	8.843	8.949	9.187	8.703	8.668	8.968	8.119	8.361	8.575	8.015	7.947	7.904	8.294	7.918
1455049	at	Iqsf3	BB484576	Mm.257997	3	7.982	8.610	8.220	8.104	8.269	7.807	7.775	7.974	8.918	8.878	8.817	8.592	8.555	8.172	8.048	8.299	7.691	7.873	7.782	7.420	7.449	7.474	7.340	7.159
1455050	at	E130203B14Rik	BB304844	Mm.187910	14	7.898	7.967	8.354	8.317	8.371	8.309	8.194	7.974	8.260	8.321	7.665	8.307	8.421	8.136	7.959	8.328	8.553	8.655	8.768	8.533	7.668	8.213	8.084	7.941
1455051	at	Rnf31	BE951781	Mm.23748	14	8.926	8.877	8.922	8.830	8.775	8.673	8.903	9.004	8.758	8.820	8.841	9.053	8.758	8.778	8.754	8.908	9.244	9.249	8.884	8.925	9.021	9.140	8.735	8.747
1455052	a at	2110319H1Rik	BI153133	Mm.38912	14	10.429	10.158	10.580	10.525	10.371	10.583	10.453	10.465	10.103	10.347	10.154	10.369	10.312	10.211	10.555	10.432	10.632	10.328	10.459	10.517	10.562	10.783	10.605	10.645
1455053	a at	Dcun1d1	BB758349	Mm.379305	3	7.681	7.715	7.844	7.592	7.680	7.849	7.786	7.290	7.146	7.593	7.320	7.853	7.485	7.575	7.568	7.670	7.351	7.526	7.546	7.607	7.347	7.478	7.673	8.061
1455054	a at	Dcun1d1	BB758349	Mm.379305	3	8.890	8.944	8.877	8.810	8.888	8.695	8.990	8.882	8.721	9.059	8.816	9.206	8.874	8.880	8.838	8.848	8.609	8.647	8.607	8.344	8.682	9.123	8.932	8.924
1455055	at	4930562D19Rik	BE952263	Mm.386854	11	8.515	8.247	8.369	8.453	8.697	8.462	8.472	8.453	8.606	8.517	8.403	8.722	8.616	8.478	8.557	8.504	8.529	8.524	8.492	8.544	8.549	8.407	8.484	8.541
1455056	at	Lmo7	BM231903	Mm.475718	14	12.605	12.361	12.236	12.188	12.135	12.540	12.187	12.310	11.616	12.017	11.464	11.912	11.775	12.296	12.582	12.314	12.430	12.597	12.706	12.231	12.475	12.338	12.446	12.265
1455057	at	Gmps	AV308908	Mm.331051	3	8.776	8.610	9.050	8.932	8.715	8.958	8.867	8.596	8.386	8.592	8.536	8.844	8.454	8.454	8.621	9.087	9.323	9.285	9.018	9.215	8.925	9.091	8.824	8.988
1455058	at	Tmmr9	BE511613	Mm.141613	9	9.541	9.307	9.767	8.879	9.367	9.274	9.477	9.274	9.367	9.367	9.176	8.896	9.176	8.879	9.065	8.849	9.120	9.120	8.965	9.048	9.065	8.849	8.905	8.849
1455059	at	BB104945	BB104945	Mm.27667	11	8.067	7.640	8.255	7.278	8.746	8.429	8.220	8.990	7.741	7.997	7.419	7.997	7.419	7.997	7.419	7.997	7.419	7.997	7.419	7.997	7.419	7.997	7.419	7.997
1455060	at	G3bp1	BG065310	Mm.39631	11	8.736	8.545	8.976	8.699	8.610	8.846	8.582	8.421	8.039	8.490	8.601	8.568	8.469	8.586	8.594	9.039	8.612	8.715	8.920	8.999	8.600	8.482	8.679	8.670
1455061	a at	Acaa2	BB718075	Mm.245724	18	11.245	10.591	11.633	11.882	10.675	11.829	11.570	10.333	9.539	10.227	10.713	10.402	10.005	10.711	11.337	11.698	11.483	11.923	12.276	12.221	11.526	11.119	11.742	12.096
1455062	at	AW017455	BG070962	Mm.435553	14	6.745	6.450	6.825	6.724	6.759	6.690	6.738	6.786	6.632	6.696	6.623	6.649	6.634	6.724	6.781	6.796	6.620	6.689	7.038	6.760	6.720	6.663	6.913	6.922
1455063	at	AW061290	MM.293063		17	5.761	6.060	5.977	5.899	6.142	6.055	5.939	5.798	6.072	6.007	5.898	6.109	6.211	5.908	6.025	6.023	6.012	6.022	6.227	6.046	6.061	5.923	6.006	6.083
1455064	at	Rab36	BB313586	Mm.133593	10	8.132	7.735	8.123	8.078	8.002	8.117	7.962	7.985	8.073	8.020	8.052	7.820	7.931	7.842	8.031	7.883	8.010	8.027	8.050	8.153	8.151	8.082	8.110	8.148
1455065	x at	EG667410	BB777344	Mm.441522	5	9.466	10.132	9.676	9.697	9.846	9.846	9.731	9.752	10.386	10.162	9.418	9.927	9.693	10.183	9.503	9.628	9.689	9.708	9.577	9.424	9.513	9.680	9.536	9.549
1455066	at	CG525475	BG062199	Mm.27667	7	10.359	10.306	10.322	10.262	10.153	10.258	10.139	10.345	10.946	10.508	10.142	10.012	10.511	10.183	10.047	10.343	10.505	10.247	10.343	10.505	10.247	10.343	10.505	10.247
1455067	at	Psd4	BM221809	Mm.28319	2	7.365	7.284	7.186	7.236	7.171	6.999	7.106	7.132	7.189	7.229	7.144	7.174	7.175	7.306	7.211	7.131	7.022	7.165	7.057	7.087	7.298	7.165	7.210	7.312
1455068	at	Psd4	BM221809	Mm.28319	2	6.950	7.008	6.797	6.895	6.895	6.855	6.881	6.950	7.118	6.923	6.945	6.811	6.916	6.895	7.013	6.942	6.871	6.886	6.824	7.125	6.917	6.929	6.776	6.901
1455069	x at	SL25a4	BF225398	Mm.16228	8	15.022	14.839	14.933	14.957	14.872	14.927	14.909	14.898	14.503	14.772	14.813	14.748	14.734	14.639	14.774	14.878	14.878	14.901	14.891	14.883	14.995	14.921	14.912	14.937
1455070	at	Dcc2	BF730353	Mm.87629	18	9.004	9.510	9.096	8.993	9.154	9.238	9.338	8.930	9.225	9.258	9.013	9.124	9.153	9.319	8.971	8.994	8.976	9.223	9.106	8.932	9.066	9.158	8.928	8.841
1455071	at	Zbtb7b	BG072012	Mm.262184	3	9.139	9.295	9.194	9.287	9.136	9.136	9.155	9.362	9.462	9.280	9.249	9.209	9.296	9.245	9.247	9.232	9.396	9.492	9.368	9.337	9.406	9.272	9.321	9.316
1455072	at	Cep350	B0032733																										

1455121	at	Lcor	BB553784	Mm.398778	19	6.964	6.597	7.310	7.155	6.698	7.294	7.239	6.082	6.026	6.827	6.590	6.506	6.242	6.472	6.893	7.342	6.423	6.798	6.784	6.879	6.610	6.599	7.295	7.591
1455122	at	Ptchd2	AI666776	Mm.33873	4	7.430	7.416	7.594	7.611	7.464	7.360	7.399	7.431	7.514	7.175	7.422	7.589	7.459	7.512	7.367	7.252	7.460	7.424	7.240	7.250	7.510	7.611	7.504	7.610
1455123	at	St18	BB178719	Mm.234612	1	4.309	4.119	4.241	4.103	4.268	4.300	4.319	4.338	4.597	4.276	4.485	4.290	4.441	4.354	4.296	4.407	4.034	4.375	4.183	4.423	4.272	4.137	4.118	4.412
1455124	at	Trim68	AW493298	Mm.39043		8.851	8.596	8.903	8.568	8.720	8.894	8.713	8.048	8.428	8.840	8.016	8.808	8.564	8.953	8.931	8.821	8.941	8.546	8.824	8.254	8.854	8.848	8.492	
1455125	at	Cenb11	BB115902	Mm.289671	11	7.389	7.144	7.377	7.425	7.464	7.254	7.365	7.480	7.317	7.395	7.571	7.247	7.368	7.335	7.455	7.580	7.577	7.522	7.580	7.577	7.577	7.577	7.577	7.589
1455126	at	Z131002B011Rik	AV209841	Mm.305990	4	14.112	13.929	13.968	13.992	13.924	13.923	13.971	13.964	13.755	13.681	13.852	13.806	13.682	13.609	13.811	13.932	13.967	14.079	13.956	14.014	14.021	13.979	13.942	13.936
1455127	at	Xkr5	AV293493	Mm.111354	8	6.915	6.757	6.975	6.747	6.926	6.816	6.919	6.875	6.922	6.765	6.886	6.576	6.920	6.905	6.831	6.898	6.774	6.795	6.899	7.185	6.703	6.784	6.862	7.058
1455128	x at	Tnrc6a	BG342407	Mm.102305	7	8.978	9.107	9.120	9.093	9.344	9.294	9.040	8.968	9.117	9.150	8.694	9.265	9.262	9.123	9.332	9.266	9.220	9.346	9.477	9.300	9.176	9.329	9.323	9.283
1455129	at	Mtdh	AV083741	Mm.130883	15	10.017	10.195	10.037	9.916	10.339	9.897	9.948	10.191	10.339	10.293	10.283	10.560	10.114	10.144	9.985	10.331	10.104	10.055	10.025	10.201	10.410	9.770	9.928	
1455130	at	Sptv2d1	BM242524	Mm.155687	7	7.976	8.339	7.955	7.657	7.936	8.094	8.009	7.737	8.097	8.410	8.229	7.979	7.930	8.126	8.018	7.939	7.078	7.558	7.542	7.521	7.322	7.585	8.131	8.127
1455131	at	Opta3	BB475273	Mm.239583	7	10.669	10.671	10.680	10.720	10.616	10.627	10.687	10.637	10.327	10.414	10.748	10.444	10.290	10.392	10.439	10.673	11.073	10.949	10.912	10.789	11.008	10.986	10.669	10.823
1455132	at	AA30107D22Rik	AV312663	Mm.122284	17	5.397	5.288	4.958	5.284	5.279	5.035	5.416	5.462	5.474	5.362	5.307	5.460	5.329	5.388	5.371	5.189	5.259	5.214	5.239	5.192	5.400	5.170	5.142	5.102
1455133	s at	AI840684	BM240684	Mm.170002	1	8.715	9.016	8.790	8.557	8.708	8.836	8.996	8.258	8.985	9.203	8.592	8.744	8.892	9.006	8.800	8.604	8.414	8.557	8.803	8.636	8.911	8.564	8.727	8.798
1455134	at	D730040F13Rik	AF031164	Mm.296632	4	8.556	8.688	8.587	8.454	8.817	8.886	8.517	8.451	8.349	8.643	8.128	8.767	8.544	8.401	8.755	8.386	9.045	8.946	9.053	8.894	8.499	8.595	8.317	8.281
1455135	at	B210014116Rik	BI157098	Mm.407138	7	9.174	9.139	9.136	9.270	9.243	9.106	8.751	8.765	8.750	9.028	8.989	9.198	8.982	8.665	9.128	9.209	9.338	9.151	9.255	9.084	9.146	9.155	9.222	9.426
1455136	at	Atpla12	AI845177	Mm.207432	1	9.929	8.874	10.050	10.217	9.722	10.168	9.921	10.086	9.547	8.557	9.167	7.772	9.621	9.002	9.919	9.875	10.505	10.352	10.172	10.242	10.398	10.582	10.361	10.494
1455137	at	Rapgef5	AW536472	Mm.227642	12	9.812	9.869	9.688	9.915	9.919	10.004	9.758	10.473	9.816	9.886	10.059	9.964	10.021	9.919	10.123	9.613	10.120	9.908	9.757	9.752	10.142	10.538	9.884	9.821
1455138	x at	Cfl1	AV148266	Mm.239655	19	12.590	13.574	12.543	12.538	12.842	12.736	12.801	13.006	13.494	13.233	12.999	12.876	12.960	13.534	12.719	12.879	12.469	12.194	12.446	12.398	12.209	12.307	12.594	12.722
1455139	at	AI851716	BB029226	Mm.441519	1	8.815	8.461	8.841	8.638	8.558	8.739	8.662	8.382	8.300	8.429	8.362	8.532	8.605	8.290	8.673	8.868	8.613	8.886	8.970	8.984	8.620	8.556	8.703	8.767
1455140	at	Pitdmn3	AV376568	Mm.351793	11	7.580	7.379	7.565	7.716	7.544	7.348	7.609	7.341	7.461	7.625	7.450	7.421	7.551	7.575	7.502	7.541	7.595	7.564	7.555	7.578	7.562	7.424	7.630	7.527
1455141	at	Tnrc6a	BI080625	Mm.102305	7	9.468	9.543	9.661	9.459	9.657	9.520	9.608	8.659	9.530	9.719	8.871	9.725	9.603	9.527	9.881	9.610	9.517	9.602	9.573	9.209	9.637	9.966	8.937	9.633
1455142	at	Soc4a	BB244749	Mm.23957	14	8.564	9.709	8.622	8.621	9.678	9.501	9.735	6.556	9.502	8.856	9.339	9.702	9.588	8.690	9.574	9.614	9.464	9.323	9.471	9.378	9.585	9.550	9.703	9.621
1455143	at	Nlcn2	AU042744	Mm.151293	11	8.743	8.719	8.528	8.646	9.250	8.605	8.523	8.917	9.380	9.005	8.948	9.338	9.373	8.913	8.860	8.553	8.690	8.617	8.548	8.615	8.711	8.644	8.587	8.512
1455144	s at	AU040829	BB079908	Mm.134338	11	9.693	9.615	9.863	9.778	10.046	9.803	9.907	9.642	9.793	10.207	9.832	10.056	10.022	9.573	9.998	9.840	9.723	9.875	9.971	9.928	9.674	9.851	9.911	10.006
1455145	at	Pcdh19	BM115577	Mm.39738	X	9.133	9.872	9.218	9.231	9.045	9.249	9.231	7.989	9.906	9.770	9.973	9.353	9.735	7.778	9.437	9.203	9.262	9.256	9.037	9.002	9.140	9.503	9.283	9.040
1455146	at	C230082I21Rik	AV317838	Mm.237095	2	5.708	5.639	5.684	5.609	5.922	5.814	5.552	5.617	5.720	5.735	5.444	5.935	5.777	5.390	5.632	5.773	5.967	5.798	5.731	5.745	5.752	5.833	5.523	5.635
1455147	at	Tmem130	BB147092	Mm.33001	NA	6.532	6.755	6.355	6.120	6.945	6.782	6.678	6.153	6.371	6.283	6.328	6.387	6.394	6.382	6.387	6.425	6.398	6.425	6.398	6.425	6.398	6.425	6.398	6.425
1455148	at	Cttnb3	AV127932	Mm.126793	5	5.675	5.609	5.569	5.565	5.642	5.504	5.537	5.617	5.514	5.695	6.440	5.655	5.775	5.687	5.705	5.817	5.919	5.867	5.655	5.616	5.803	5.807	5.777	
1455149	at	Sh3r1f	BB072090	Mm.27949	8	6.794	7.288	6.639	6.558	6.778	6.781	6.790	6.653	7.550	7.599	6.856	7.187	7.388	6.918	6.956	6.623	6.507	6.535	6.630	6.485	6.465	6.488	6.413	6.787
1455150	at	NA	BB038056	NA	NA	7.524	7.067	7.745	7.122	7.439	7.346	7.259	7.388	6.801	7.230	6.939	7.342	7.234	6.620	7.301	7.810	6.738	6.975	6.466	6.665	7.685	8.308	8.016	7.951
1455151	at	Akap9	C79026	Mm.46044	5	8.100	8.115	8.127	8.074	8.003	7.554	7.856	8.054	7.656	7.926	7.665	8.117	7.862	7.445	7.964	7.964	8.050	8.085	7.549	7.532	8.123	8.395	7.903	7.778
1455152	at	AI462493	BG794917	Mm.381181	19	10.516	10.821	10.583	10.731	10.905	10.711	10.796	11.130	10.803	10.739	10.703	11.128	10.981	10.566	10.615	10.486	11.161	11.195	11.022	10.877	10.956	10.984	10.704	10.457
1455153	at	Zfp238	BB177220	Mm.34438	18	8.855	8.768	8.950	8.871	9.125	8.953	8.927	8.711	8.971	9.076	9.289	8.844	8.908	8.990	9.051	9.111	8.330	8.502	8.589	8.531	8.512	8.446	8.822	8.945
1455154	at	Gli3	BB311687	Mm.5098	13	7.089	7.568	6.899	7.109	7.540	7.098	7.039	7.212	7.935	7.678	7.323	7.606	7.795	7.385	7.355	6.869	6.950	6.986	6.895	6.801	6.928	6.962	6.863	6.889
1455155	at	Abi1	BB175532	Mm.253290	2	9.502	9.937	9.387	7.424	8.608	9.529	7.439	9.182	8.901	8.686	8.642	9.421	7.530	8.955	9.565	9.255	9.857	7.552	9.228	9.228	9.228	9.228	9.228	9.228
1455156	at	Strn	BG519214	Mm.311915	17	9.005	10.185	9.363	8.847	8.710	9.202	9.400	9.064	9.945	10.121	8.282	9.631	9.399	9.562	8.534	9.411	8.736	8.527	8.262	8.348	8.746	8.193	8.636	8.692
1455157	a at	CG039210	AV173117	Mm.37324	8	9.500	10.348	9.749	9.787	10.269	9.819	9.668	9.833	10.496	10.572	10.723	10.460	10.254	10.594	10.248	9.751	9.548	9.551	9.730	9.655	9.548	9.635	9.977	9.606
1455158	at	Itqa3	BI664677	Mm.57035	11	8.906	9.278	8.902	9.057	9.079	9.036	8.884	9.041	9.533	9.423	9.143	9.104	9.273	9.106	9.117	8.928	9.141	9.128	9.251	8.937	8.953	9.150	8.980	8.884
1455159	at	Appl1	AW209077	Mm.202322	14	8.915	9.239	8.916	8.994	9.106	9.056	9.040	9.075	9.296	9.569	9.330	9.271	9.294	9.344	9.214	8.944	9.001	8.939	9.055	9.954	8.763	9.093	9.072	8.849
1455160	at	LOC100042464	BM220421	Mm.38166	9	7.759	8.320	7.912	7.967	8.413	8.479	8.254	7.974	9.221	9.100	8.695	8.985	9.047	8.619	8.620	7.839	8.090	8.267	8.278	7.804	7.957	7.852	7.984	7.956
1455161	at	AA504322	BB202185	Mm.347584	3	5.187	5.367</																						

1455210	at	Zhx2	BO174722	Mm.36557	15	9.820	9.622	10.053	9.952	9.870	9.961	9.920	9.063	9.450	9.746	9.919	9.358	9.671	9.674	9.824	10.217	9.507	9.672	9.871	9.927	9.692	9.298	9.959	10.035	
1455211	a	at	Timm13	BF021416	Mm.142132	10	10.425	11.106	10.418	10.519	10.511	10.531	10.561	10.858	10.886	10.682	10.538	10.731	10.524	10.603	10.293	10.269	10.842	10.824	10.462	10.550	10.716	10.818	10.161	10.119
1455212	at	Wdr24	AV360603	Mm.95512	17	8.537	8.876	8.594	8.744	8.736	8.523	8.568	8.769	8.765	8.658	8.898	8.616	8.675	8.672	8.548	8.683	9.057	8.950	8.693	8.669	8.830	8.998	8.702	8.555	
1455213	at	AV93488E11Rik	AV912417	Mm.381904	X	6.179	6.154	5.978	5.949	6.124	5.927	6.075	6.135	6.204	6.094	6.071	6.390	6.163	6.185	6.021	6.064	6.235	6.109	6.105	5.898	6.343	6.298	5.981	6.100	
1455214	at	Mrf	BB763517	Mm.332284	6	13.741	10.381	10.577	10.785	10.434	11.047	10.892	10.581	10.029	10.352	10.581	10.430	10.357	10.353	10.378	11.004	11.248	11.149	10.967	11.104	10.778	10.894	10.699	10.772	
1455215	at	C53002B021Rik	AU067746	Mm.295327	7	6.636	7.537	7.537	7.544	7.790	7.593	7.545	7.622	7.797	7.707	7.511	7.672	7.647	7.812	7.578	7.629	7.517	7.618	7.540	7.629	7.641	7.340	7.589	7.414	
1455216	at	PaaR6	B1408433	Mm.441486	3	6.321	6.175	6.197	6.127	6.237	6.086	6.241	6.255	6.217	6.154	6.288	6.099	6.181	6.270	6.235	6.283	6.427	6.249	6.149	6.249	6.249	6.136	6.367		
1455217	at	Lr1a2	AV376982	Mm.34855	3	7.871	7.813	7.918	8.049	8.025	8.169	8.070	7.955	7.836	7.886	7.963	8.009	7.964	7.828	8.145	8.078	7.979	7.965	8.028	7.975	7.715	7.990	7.902	7.945	
1455218	at	BG330503K22Rik	BG070835	Mm.23279	7	6.934	7.537	6.859	6.983	7.194	7.078	7.065	7.515	7.297	7.454	7.245	6.960	7.307	7.499	7.504	7.279	6.924	7.032	7.205	7.364	6.944	6.999	6.879	7.083	
1455219	at	1110030E23Rik	BO033747	Mm.362556	7	5.708	6.036	5.401	5.933	5.549	5.762	5.951	5.617	5.844	5.671	5.765	5.431	5.538	5.465	5.949	5.602	5.901	6.273	5.980	6.222	6.158	6.116	5.846	5.921	
1455220	at	Frat2	BB353860	Mm.222723	19	7.519	7.137	7.336	7.427	7.368	7.625	7.485	7.102	7.301	7.362	7.901	7.677	7.583	7.289	7.849	7.492	7.528	7.596	7.911	7.900	7.687	7.360	7.722	8.120	
1455221	at	Abt2b1	BO176322	Mm.15691	17	7.566	7.289	7.542	7.218	7.542	7.481	7.079	7.584	7.637	7.520	7.502	7.688	7.679	7.402	7.289	7.247	7.166	7.287	7.347	7.346	7.655	7.440	7.506	7.387	
1455222	a	at	Ubp1	BB550053	Mm.28052	9	10.826	10.981	11.022	11.124	11.031	11.167	11.170	10.831	10.900	10.903	10.976	11.242	11.159	11.102	10.871	11.057	10.703	10.778	10.709	10.630	10.404	10.847	10.877	10.854
1455223	at	Iqbt20	BB794657	Mm.294769	11	4.758	4.443	4.690	4.755	4.491	4.470	4.628	4.774	4.783	4.809	4.695	4.644	4.693	4.697	4.688	4.633	4.592	4.760	4.489	4.873	4.718	4.716	4.687	4.326	
1455224	at	Anopt1	AI593746	Mm.389206	1	5.495	5.221	5.508	5.416	5.291	6.155	5.531	5.730	5.543	5.590	5.248	5.613	5.512	5.703	5.633	5.571	5.629	5.789	5.634	5.508	5.815	5.477	5.244	5.364	
1455225	at	Syne1	AV237615	Mm.331626	10	6.132	5.577	5.872	6.244	5.888	5.873	5.915	5.933	5.630	5.794	5.921	5.780	5.747	5.672	5.892	6.086	6.172	6.146	5.898	6.141	5.831	5.942	6.073	6.058	
1455226	at	Sadn1	BB478022	Mm.32881	12	9.436	9.024	9.568	9.680	9.804	9.465	9.940	9.447	9.249	9.325	9.405	9.359	9.302	8.874	9.423	9.635	10.127	10.029	9.672	9.877	9.979	10.009	9.730	9.871	
1455227	at	Apacl1	AV369935	Mm.24576	3	12.101	11.293	11.910	11.906	11.501	11.951	11.467	10.584	11.110	11.075	11.249	11.130	11.257	11.596	11.127	11.925	11.925	11.900	12.086	12.150	11.762	11.163	12.124	12.180	
1455228	at	Whsc1	BO177743	Mm.19892	5	7.861	7.941	7.569	7.851	7.830	7.789	7.701	7.810	7.782	7.751	7.882	7.855	7.735	7.844	7.666	7.542	7.777	7.804	7.876	7.610	7.738	7.972	7.505	7.535	
1455229	x	at	Pps1	BB064623	Mm.28864	11	8.727	9.605	8.390	8.838	8.667	8.566	8.381	8.820	9.549	9.232	9.562	9.110	9.027	9.325	8.631	8.549	8.848	8.836	8.856	8.719	8.706	8.753	8.481	
1455230	at	NA	BO176350	NA	NA	6.415	6.054	6.189	6.548	6.257	6.316	6.333	6.559	6.284	6.145	6.343	6.297	6.226	6.376	6.170	6.325	6.137	6.255	6.276	6.499	6.349	6.282	6.166	6.417	
1455231	s	at	Apc2	BM114349	Mm.57247	10	6.321	6.394	6.359	6.602	6.726	6.434	6.431	6.758	6.376	6.364	6.279	6.720	6.517	6.492	6.430	6.451	6.609	6.643	6.509	6.626	6.575	6.387	6.455	6.412
1455232	at	Cml2	BB745660	Mm.24251	6	4.356	4.324	4.450	4.479	4.375	4.454	4.431	4.498	4.360	4.405	4.488	4.274	4.396	4.232	4.211	4.451	4.248	4.450	4.377	4.439	4.305	4.207	4.418	4.517	
1455233	at	Mros11	BE952357	Mm.297033	7	7.208	7.052	7.094	7.112	7.067	7.058	7.220	7.095	7.200	7.089	7.140	6.929	7.068	7.092	6.996	6.891	6.927	7.368	7.046	7.086	7.030	6.927	7.289	6.786	
1455234	at	B3ga11	BB795733	Mm.226435	2	3.735	4.530	3.839	3.855	4.276	4.065	4.098	3.749	4.066	4.327	4.025	4.254	4.209	3.897	4.161	3.909	3.958	4.304	4.251	3.898	4.058	4.002	3.933	3.901	
1455235	x	at	Ldnb	AV216324	Mm.9745	6	14.370	13.926	14.423	14.510	14.182	14.345	14.289	14.189	13.394	13.710	13.923	14.009	13.929	13.643	14.335	14.415	14.399	14.323	14.321	14.481	14.398	14.406	14.372	14.323
1455236	x	at	Usp36	BB062692	Mm.20232	12	11.551	14.701	14.280	14.718	14.174	14.260	14.286	13.740	14.046	13.804	14.304	14.304	14.304	14.304	13.877	13.836	13.759	13.749	13.742	13.738	13.742	13.807	13.697	
1455237	at	Usp36	BB006147	Mm.9536	11	8.973	8.778	8.865	8.984	8.943	8.855	8.852	8.772	8.851	8.852	8.772	8.851	8.852	8.852	8.852	8.852	8.852	8.852	8.852	8.852	8.852	8.852	8.852	8.852	
1455238	at	Mum11	BB103233	Mm.131001	X	6.328	7.492	6.606	6.234	7.126	6.683	7.118	7.489	7.635	7.688	7.719	7.563	7.430	7.721	8.017	6.615	6.748	6.889	7.116	6.749	6.545	6.582	5.959	6.640	
1455239	at	6330512M04Rik	BM116861	Mm.154486	7	7.127	7.905	7.445	7.138	7.748	6.923	7.021	7.449	8.777	8.289	7.258	7.565	7.771	7.983	7.073	7.747	7.169	7.037	7.366	6.773	6.946	7.703	7.044	6.993	
1455240	x	at	666185	BG066901	Mm.425830	13	4.405	4.105	4.563	4.367	4.188	4.325	4.408	4.310	4.326	4.421	4.398	4.252	4.309	4.256	4.351	4.334	4.373	4.412	4.404	4.572	4.359	4.311	4.476	4.400
1455241	at	BC037703	AV231983	Mm.32900	3	5.664	5.496	5.696	5.554	5.644	5.657	5.671	5.648	5.558	5.730	5.512	5.479	5.661	5.563	5.609	5.759	5.621	5.597	5.853	5.810	5.625	5.641	5.765	5.779	
1455242	at	Foxp1	BM220880	Mm.234965	6	9.523	9.468	9.403	9.323	9.464	9.437	9.344	9.441	10.017	10.061	9.394	9.878	10.006	9.698	9.820	9.398	9.187	9.399	9.537	9.219	9.217	9.399	9.514	9.319	
1455243	at	Bnf3	BB726354	Mm.291877	17	7.904	7.959	7.730	7.982	7.928	7.679	7.715	8.027	7.900	7.836	7.758	8.006	7.894	7.759	7.865	7.892	7.980	7.957	7.572	7.808	8.113	8.085	7.871	7.929	
1455244	at	Rpl3	BB698337	Mm.31357	12	11.251	10.901	11.595	11.370	11.586	11.580	11.580	11.825	10.678	11.211	11.905	11.560	11.142	11.384	11.387	11.112	11.353	11.032	11.132	11.132	11.132	11.132	11.132	11.132	
1455245	x	at	Rpl13	AI506565	Mm.391719	8	12.821	13.383	12.444	12.734	12.885	12.725	12.759	13.533	13.442	12.975	12.954	13.047	13.027	13.106	12.953	12.454	13.403	13.208	12.715	12.683	13.260	13.276	12.419	12.296
1455246	at	Smarc1	BF137264	Mm.85410	9	7.868	8.110	7.567	7.869	7.844	7.816	7.789	7.844	8.052	7.993	7.821	7.869	7.913	7.966	7.607	7.560	7.697	7.776	7.823	7.807	7.788	7.881	7.773	7.755	
1455247	at	Amot1	BB767281	Mm.159552	9	8.946	9.236	9.337	9.149	9.421	9.159	8.942	8.962	9.437	9.436	8.919	9.351	9.312	9.261	9.473	9.385	8.970	9.165	9.321	9.204	9.005	9.037	9.407	9.193	
1455248	at	Ccdc127	AW542786	Mm.101586	13	8.976	8.981	9.039	8.965	8.878	9.125	8.968	8.963	8.913	8.904	9.038	8.791	9.138	9.006	9.087	9.032	8.968	9.037	8.977	9.037	8.941	8.952	8.919	8.904	8.988
1455249	at	NA	BO175681	NA	NA	8.308	8.722	8.513	8.254	8.489	8.481	8.359	8.551	8.736	8.944	8.733	8.474	8.706	8.743	8.795	8.492	8.119	8.053	8.423	8.206	7.982	8.256	8.146	8.373	
1455250	at	Sh3bnp4																												

1455299	at	Vqlt3	BB011882	Mm.25670	16	6.721	8.224	6.627	6.964	7.762	7.578	6.917	7.313	9.222	9.204	7.642	8.497	8.911	8.869	8.057	6.773	6.743	6.725	7.047	6.756	6.469	6.609	6.716	6.649	
1455300	at	Tet2	AV381006	Mm.347816	3	7.533	7.276	7.311	7.367	7.376	7.326	7.379	7.334	7.298	7.093	7.344	7.122	7.308	7.109	7.299	7.459	7.155	7.187	7.469	7.384	7.261	7.294	7.542	7.584	
1455301	at	Wip3	BG064092	Mm.434326	6	10.636	9.791	10.170	10.002	10.449	9.990	9.789	10.136	9.933	10.045	10.104	10.029	9.899	9.367	10.026	10.162	9.908	9.816	9.411	9.906	10.205	10.034	10.323	10.185	
1455302	at	Vps29	AV0553039	Mm.216528	5	3.911	3.715	3.833	3.865	3.818	3.861	3.800	3.903	3.970	3.902	3.882	3.811	3.889	3.790	4.062	3.887	3.894	3.868	3.914	3.931	3.929	4.039	3.891	3.903	
1455303	at	Rfxa	BM273561	Mm.185735	3	7.573	7.607	7.813	7.905	7.757	8.009	7.756	7.619	7.345	7.672	7.289	7.657	7.672	7.705	7.679	7.723	7.977	8.064	8.318	8.314	7.831	7.780	7.952	7.847	
1455304	at	Unc13c	BG0175902	Mm.41308	9	5.299	6.052	5.312	5.363	5.311	5.206	5.256	5.340	6.000	5.523	5.629	5.604	5.338	5.622	5.279	5.172	5.283	5.111	5.236	5.123	5.190	5.162	5.130	5.152	
1455305	x	at	Hnrrn1	BF3209058	Mm.237064	15	9.468	9.648	9.512	9.528	9.396	9.803	9.541	9.270	9.084	9.319	9.509	9.448	9.336	9.608	9.633	9.466	9.414	9.441	9.639	9.341	9.321	9.595	9.391	9.749
1455306	at	BC037112	BB473660	Mm.286885	5	8.939	9.128	8.872	8.888	8.905	8.945	8.764	8.787	9.102	9.067	8.827	8.939	8.973	8.777	8.901	8.764	9.151	8.999	8.732	8.842	8.951	8.961	9.056	8.816	
1455307	at	BC037112	BB473660	Mm.286885	5	8.706	8.509	8.670	8.756	8.584	8.567	8.584	8.712	8.538	8.451	8.663	8.599	8.524	8.437	8.566	8.637	8.782	8.663	8.661	8.756	8.896	8.768	8.870	8.649	
1455308	at	Tmem16f	BG074632	Mm.38087	15	9.457	9.816	9.858	9.166	9.649	9.115	9.054	10.107	10.407	9.875	9.704	9.949	9.979	9.641	9.521	9.056	9.611	9.441	9.249	8.983	9.834	9.939	9.391	8.854	
1455309	at	Tmem16f	BG074632	Mm.38087	15	10.009	10.097	10.173	9.982	10.169	10.062	10.035	9.987	10.356	10.322	10.306	10.187	10.271	10.440	10.381	10.155	9.821	9.881	10.050	9.971	9.934	10.035	10.291	10.191	10.082
1455310	at	Rhm16	AV068107	Mm.124373	17	7.290	7.278	7.208	7.190	7.299	7.207	7.287	7.615	7.231	7.132	7.028	7.344	7.564	7.331	7.076	7.009	7.820	7.492	7.530	7.555	7.326	7.907	7.214	6.959	
1455311	at	DocrB	BW523554	Mm.447352	16	8.784	8.872	8.681	8.463	8.728	8.867	8.880	8.711	8.781	8.815	8.774	8.828	8.757	8.834	8.868	8.768	8.610	8.874	8.826	8.907	8.816	8.794	8.817	8.750	
1455312	at	Phc3	BM241699	Mm.440057	3	9.576	9.410	9.544	9.483	9.552	9.793	9.703	9.511	9.451	9.710	9.302	9.773	9.864	9.535	9.584	9.626	9.512	9.628	9.588	9.743	9.621	9.823	9.597	9.534	
1455313	at	Abliim2	B8336053	Mm.254446	5	8.095	7.568	8.003	7.913	7.826	7.862	7.921	7.916	7.429	7.700	7.547	7.808	7.716	7.565	7.738	8.433	7.937	7.888	7.993	7.993	7.769	7.698	7.901	7.962	
1455314	at	Lpp	BM236111	Mm.209385	16	10.145	10.825	10.182	9.972	10.548	10.507	10.472	10.778	11.018	10.951	10.714	10.729	10.852	11.063	10.635	10.212	10.126	10.184	10.353	10.150	9.936	10.311	10.210	10.097	
1455315	at	Trp53113	AV096557	Mm.341211	11	8.347	8.789	8.056	8.102	8.538	8.055	8.065	8.358	8.887	8.647	8.071	8.725	8.714	8.465	8.283	7.894	8.546	8.790	8.208	8.103	8.568	8.351	7.895	7.749	
1455316	x	at	ENS MUSG000000	AI987693	NA	18	12.748	12.866	13.149	13.088	12.928	13.357	13.247	12.538	12.544	13.009	12.945	13.373	13.022	12.338	13.008	13.200	12.748	12.785	12.912	13.372	12.710	12.706	12.977	13.431
1455317	at	Ep2c	BB034610	Mm.29167	2	9.835	9.180	9.653	9.735	9.719	9.651	9.688	9.731	9.426	9.582	9.664	9.947	9.826	9.444	9.900	9.552	9.947	9.914	9.690	9.568	10.057	10.361	10.128	10.043	
1455319	x	at	OTTMUSG000000	AU016948	NA	7	12.338	12.974	12.030	12.332	12.453	12.430	12.688	12.560	13.128	12.513	12.317	12.491	12.628	12.666	12.176	12.049	12.413	12.441	12.272	12.047	12.305	12.032	11.916	11.802
1455320	na	NA	BM176847	NA	NA	11.398	10.026	11.379	11.687	10.937	11.543	11.391	10.346	9.313	9.873	9.914	10.644	10.490	10.189	10.993	11.472	11.520	11.070	10.971	11.323	11.637	11.855	11.664	11.594	
1455321	at	Dhdh1	BM226111	Mm.121918	14	7.147	6.970	7.075	7.245	7.660	7.274	7.151	7.363	7.272	7.060	7.106	7.140	7.376	7.170	7.408	7.263	7.427	7.494	7.657	7.382	7.192	7.289	7.303	7.146	
1455322	at	Tl21c1b	AV554401	Mm.250868	2	8.849	8.642	8.846	9.059	8.802	8.988	8.798	8.750	8.757	8.870	8.444	8.958	8.728	8.661	8.894	8.889	9.023	8.999	9.030	9.043	8.807	9.137	8.711	8.858	
1455323	at	Rtbc	BB446066	Mm.320419	5	7.281	7.589	7.772	7.853	7.980	8.066	7.877	7.616	7.903	7.972	7.675	7.853	7.859	7.834	7.926	7.862	7.933	8.099	8.171	8.086	7.608	7.791	7.976	7.879	
1455324	at	Picld2	BG0176176	Mm.380993	16	6.275	6.147	6.251	6.305	6.821	6.487	6.529	7.309	7.140	7.379	7.131	7.114	7.225	6.416	7.010	6.469	6.223	5.986	6.311	6.148	6.167	6.038	6.545	6.033	
1455325	at	NA	NA	NA	NA	8.237	8.517	8.878	8.778	8.278	8.585	8.274	8.587	8.267	8.360	8.247	8.384	8.260	8.474	8.143	8.168	8.158	8.258	8.139	8.258	8.139	8.258	8.139	8.258	
1455326	at	Cle16a	BM315720	Mm.159176	16	9.059	9.217	8.978	8.985	8.798	8.700	9.097	9.231	9.555	9.140	9.163	9.164	9.148	9.948	9.933	9.140	9.874	9.726	9.639	9.614	9.440	9.150	9.309	9.190	9.210
1455327	at	Senp2	BI684973	Mm.297431	16	7.529	7.800	7.501	7.628	7.750	7.396	7.480	7.591	7.653	7.553	7.377	7.740	7.636	7.467	7.373	7.509	7.682	7.623	7.316	7.445	7.510	7.662	7.405	7.467	
1455328	at	Accn2	BG0176072	Mm.440107	15	7.686	7.407	7.662	7.664	7.614	7.465	7.698	7.679	7.524	7.620	7.730	7.657	7.320	7.640	7.646	7.661	7.730	7.720	7.497	7.604	7.838	7.454	7.742	7.646	
1455329	at	NA	BE952207	NA	NA	8.479	7.798	8.279	8.477	8.232	8.427	8.282	8.199	7.305	7.739	7.715	7.826	7.634	7.682	7.982	8.371	8.498	8.426	8.474	8.305	8.265	8.679	8.462	8.777	
1455330	at	Nol9	BM250792	Mm.275803	4	8.083	8.320	7.972	8.050	8.031	7.956	8.015	7.900	8.177	7.952	8.327	7.876	8.065	8.217	8.027	8.001	7.891	8.026	8.034	8.044	8.132	7.854	8.145	8.060	
1455331	at	Plekhh3	BB182930	Mm.239534	1	8.757	8.876	8.724	8.711	8.788	8.766	8.777	8.648	9.038	8.875	8.672	8.860	9.093	8.877	8.817	8.825	8.676	8.780	8.871	8.832	8.711	8.744	8.775	8.701	
1455332	x	at	Fcar2b	BM224327	Mm.425062	1	8.361	8.665	8.062	8.132	8.268	8.227	8.171	8.052	9.168	8.862	8.696	8.446	8.527	9.081	8.220	8.815	7.745	7.697	7.736	7.711	7.944	8.034	7.789	7.780
1455333	at	NA	BB231446	Mm.253260	12	16.572	16.632	16.443	16.229	11.333	10.932	10.992	10.938	11.811	11.363	11.780	11.215	11.361	11.788	11.221	11.536	10.456	10.356	10.456	10.356	10.456	10.356	10.456	10.356	10.456
1455334	at	D330038O06Rik	BG067299	Mm.41364	8	7.974	7.942	8.611	8.697	8.116	8.404	8.080	8.130	7.786	8.079	7.508	8.548	8.185	8.211	8.059	8.604	8.396	8.345	8.151	8.187	8.323	8.289	8.184	8.227	
1455335	at	Xrc2	AV362138	Mm.143767	5	7.033	7.059	7.076	7.121	6.968	7.137	7.159	6.795	7.064	7.116	6.833	6.758	6.767	7.020	6.848	7.071	7.018	7.191	6.975	7.202	6.974	7.270	7.785	7.458	
1455336	at	Thap2	BG073155	Mm.32314	10	8.644	8.658	8.486	8.581	8.495	8.446	8.499	8.360	8.311	8.287	8.180	8.397	8.433	8.158	8.109	8.451	8.822	8.716	8.326	8.471	8.618	8.583	8.474	8.159	
1455337	at	Fqd4	BG0175875	Mm.256131	16	8.399	7.797	8.618	8.511	8.021	8.522	8.455	7.855	7.202	7.727	6.808	8.071	7.744	7.550	8.108	8.504	8.311	8.428	8.403	8.339	8.272	8.685	8.382	8.908	
1455338	at	A4aqt	BG064632	Mm.323805	15	4.872	4.760	4.778	4.741	4.733	4.864	4.781	4.905	4.758	4.772	4.992	4.803	4.883	4.835	4.782	4.496	4.720	4.543	4.799	4.648	4.726	4.750	4.803	4.763	
1455339	at	Fkbp15	BG094421	Mm.357792	4	8.736	9.194	8.603	8.794	9.120	8.663	8.571	8.994	9.430	9.193	8.765	9.091	9.185	9.019	8.781	8.576	8.895	8.799	8.784	8.612	8.760	9.011	8.413	8.416	
1455340	at	OTM01101ORik	BG076376	Mm.298754	6	8																								

1455388	a	Pcmtd1	BB549335	Mm.21539	1	10.857	10.235	10.838	10.733	10.428	10.801	10.787	10.320	9.963	10.469	9.996	10.498	10.279	10.125	10.552	10.914	10.769	10.611	10.782	10.975	10.728	10.711	10.979	10.911	
1455389	s	at	Z310051F07Rik	AI415636	Mm.23095	15	10.430	10.539	10.385	10.547	10.426	10.461	10.475	10.216	10.461	10.662	10.622	10.161	10.268	10.579	10.362	10.559	10.196	10.235	10.266	10.294	10.269	10.333	10.640	10.653
1455390	at	Alkhb6	BF021286	Mm.276277	7	8.999	9.197	8.867	8.856	8.897	8.857	9.041	9.296	9.080	8.947	8.464	9.551	9.087	8.858	8.496	8.756	9.612	9.531	8.818	8.953	9.121	9.227	8.622	8.558	
1455391	at	Rad23a	BI256061	Mm.255539	8	10.296	10.237	10.242	10.298	10.124	10.047	10.078	10.167	10.044	10.196	10.132	10.214	9.902	10.072	9.900	10.259	10.269	10.332	10.055	10.064	10.316	10.337	10.107	10.031	
1455392	at	Prlr18	AB081437	Mm.442510	17	6.702	6.501	6.582	6.938	6.904	6.467	6.689	6.524	6.903	6.647	6.981	6.604	6.938	6.687	6.553	6.553	6.782	6.576	6.700	6.755	6.781	6.727	6.827	6.690	
1455393	3	at	BB009037	Mm.13781	3	10.796	10.386	10.533	9.943	10.595	9.872	10.404	10.355	10.180	10.335	10.776	9.882	10.003	10.107	10.042	10.482	10.207	10.253	10.146	9.865	10.044	10.554	10.200	9.881	
1455394	at	Plas4	BI412631	Mm.34428	10	8.794	9.941	8.734	8.929	9.003	8.805	8.718	8.795	8.767	8.827	8.750	8.971	8.793	8.605	8.724	8.767	9.883	8.888	8.816	8.764	8.895	8.917	8.843	8.662	
1455395	at	Oxsm	BA446073	Mm.197960	14	8.515	8.493	8.527	8.455	8.470	8.514	8.391	8.557	8.130	8.437	8.004	8.242	8.157	8.169	8.311	8.490	8.797	8.851	8.819	8.439	8.702	8.839	8.564	8.480	
1455396	at	Ap48b1	BF451402	Mm.4594	18	7.240	7.691	7.112	7.043	7.295	6.958	6.907	6.656	8.166	8.216	8.189	7.220	7.325	7.882	7.267	7.186	5.694	5.825	6.304	5.934	5.810	6.100	6.909	6.817	
1455397	at	Caskin1	BB371845	Mm.70989	17	7.889	7.453	7.894	7.788	7.643	7.582	7.914	7.680	7.651	7.584	7.767	7.554	7.728	7.701	7.681	7.891	7.800	7.680	7.850	7.819	7.978	7.650	8.004	7.763	
1455398	at	Lrrc8c	BB337359	Mm.319847	5	10.886	10.965	11.110	11.018	11.000	10.943	10.719	10.898	10.962	11.033	11.344	10.928	10.887	11.156	11.020	11.203	10.699	10.618	10.544	10.505	10.711	10.919	11.404	11.041	11.363
1455399	at	Cnksr1	BB739754	Mm.331958	4	8.434	8.366	7.982	7.579	8.671	7.990	8.054	9.284	8.842	8.891	9.309	9.067	8.876	8.701	8.856	8.012	7.648	7.970	7.748	7.576	8.461	8.413	8.234	8.296	
1455400	at	Ddah1	BB770857	Mm.234247	3	7.479	8.912	7.311	7.743	9.289	8.322	8.346	8.331	10.409	9.937	8.480	9.737	10.068	8.734	9.147	7.403	8.080	7.890	8.212	7.972	8.878	8.329	7.885	8.059	
1455401	at	Camk2	AW061083	Mm.289237	5	8.757	9.193	8.874	8.776	9.016	8.959	8.586	8.961	9.123	9.300	8.927	9.110	9.128	8.999	8.848	8.746	8.541	8.787	8.778	8.297	8.318	8.420	8.648	8.479	
1455402	at	Socs7	AV150372	Mm.34339	11	11.230	10.876	11.176	10.907	10.998	10.783	11.088	10.896	10.425	11.017	11.230	11.013	10.911	10.818	11.180	11.134	10.458	10.700	10.799	10.680	10.781	11.031	11.125	11.375	
1455403	at	Manea	BB035197	Mm.245602	4	8.973	9.282	9.180	8.879	9.080	9.114	9.058	9.201	9.133	9.547	8.586	9.248	9.209	9.176	9.129	9.162	9.045	8.977	8.998	8.972	8.964	9.116	8.775	9.020	
1455404	at	Jph2	BG870711	Mm.34459	2	12.092	11.753	12.171	11.936	11.898	11.937	12.173	11.755	11.140	11.619	11.773	11.595	11.494	11.696	11.622	12.218	11.632	11.874	11.898	12.122	11.669	11.695	12.033	12.070	
1455405	at	Pstpip2	AV229693	Mm.57174	18	9.320	8.870	9.462	9.128	9.020	8.953	9.262	8.997	8.916	9.072	9.135	9.076	8.883	8.981	8.975	9.382	8.873	8.905	9.008	8.959	8.986	8.770	8.995	9.200	
1455406	at	Cask	AV251542	Mm.327591	X	7.019	7.457	7.199	7.244	7.412	7.337	7.242	7.038	7.300	7.562	7.019	7.671	7.634	7.024	7.465	7.236	7.404	7.532	7.422	7.237	7.153	7.312	7.242	7.407	
1455407	at	Zfp238	BB282741	Mm.34438	18	7.055	7.179	6.949	7.021	7.573	7.158	7.095	7.294	7.287	7.275	7.183	7.684	7.471	7.162	7.139	7.193	7.475	7.233	7.438	7.244	7.146	7.447	6.927	7.198	
1455408	at	Pla28d	BB006656	Mm.24880	2	5.461	5.221	5.225	5.348	5.299	5.125	5.284	5.377	5.148	5.233	5.217	5.203	5.237	5.161	5.136	5.145	5.264	5.226	5.196	5.217	5.283	5.260	5.351	5.505	
1455409	at	Spire1	BM234794	Mm.208723	18	6.023	6.470	6.232	5.962	6.526	6.163	6.244	6.560	7.008	6.759	6.590	6.752	6.733	6.806	6.724	6.326	5.507	5.943	5.992	5.788	6.263	5.821	6.220	6.009	
1455410	at	Faim2	AV330375	Mm.39760	15	6.711	6.204	6.283	6.647	6.532	6.416	6.669	6.733	6.701	6.484	6.579	6.343	6.594	6.725	6.678	6.575	6.535	6.555	6.540	6.651	6.600	6.396	6.620	6.621	
1455411	at	NA	AI648923	NA	NA	7.390	6.774	7.266	6.906	7.002	7.148	7.055	6.931	7.022	7.019	7.034	7.029	6.851	7.072	7.128	7.069	7.037	7.240	7.052	7.127	6.978	7.211	7.070	7.135	
1455412	at	Sfmbt1	BG064966	Mm.294662	14	8.074	7.660	8.167	7.940	7.633	7.917	8.038	7.394	7.532	7.815	7.858	7.466	7.708	7.718	7.729	8.218	7.568	7.640	7.765	7.808	7.736	7.499	8.038	8.104	
1455413	at	Zfp11	BB053703	Mm.135057	5	6.147	6.430	6.541	6.601	6.332	6.639	6.508	6.480	6.126	6.456	6.004	6.429	6.246	6.351	6.535	6.607	6.443	6.743	6.720	6.463	6.289	6.606	6.430	6.337	
1455414	at	Tlcc2	BM241310	Mm.341350	2	6.108	5.847	6.042	6.347	6.966	5.963	6.356	6.004	5.903	6.245	5.968	5.903	6.245	5.968	5.903	6.245	5.968	5.903	6.245	5.968	5.903	6.245	5.968	6.430	
1455415	at	BF020373	BF249813	Mm.349813	5	6.148	6.164	6.524	6.334	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	6.224	6.557	
1455416	at	C13000120Rik	AW209204	Mm.440119	2	6.089	5.918	6.115	6.082	6.051	6.009	6.092	5.985	6.022	6.068	6.019	6.278	6.030	6.031	6.144	6.028	6.059	6.004	6.001	6.116	6.128	5.951	6.017	6.182	
1455417	at	Kcni11	AV350759	Mm.333863	7	11.244	10.812	11.264	11.193	10.706	11.128	11.277	10.872	10.685	10.737	10.341	11.043	10.594	10.851	10.809	11.221	10.954	11.103	11.067	11.078	10.688	10.833	11.083	10.894	
1455418	at	NA	BM119433	NA	NA	9.034	7.816	8.934	8.599	7.984	8.658	8.852	8.071	7.476	8.070	8.487	8.204	8.044	7.878	8.493	9.029	8.670	8.724	8.834	8.765	8.725	9.098	9.377	9.152	
1455419	at	D630045J12Rik	BB503889	Mm.277163	6	7.139	6.939	7.012	7.082	7.249	6.777	7.127	7.167	7.108	7.097	7.155	7.069	7.176	7.025	7.007	7.101	6.943	7.013	7.125	7.064	7.043	6.885	7.088	7.119	
1455420	at	Rad23b	BM115245	Mm.196846	4	8.407	8.348	8.572	8.538	8.138	8.268	8.553	8.360	8.226	8.064	8.150	8.284	8.359	8.430	7.809	8.484	8.475	8.444	8.342	8.104	8.507	8.544	8.393	8.410	
1455421	x	at	6330503C03Rik	AW490145	Mm.234314	6	3.914	4.236	3.853	3.902	4.112	4.045	3.938	4.093	4.119	4.008	3.917	4.119	4.020	3.922	3.944	4.002	3.992	4.121	3.925	3.811	3.961	4.171	3.932	
1455422	x	at	4-Sep	BB339326	Mm.339326	15	8.766	9.072	8.946	8.956	9.232	8.816	8.956	9.232	8.816	8.956	9.232	8.816	8.956	9.232	8.816	8.956	9.232	8.816	8.956	9.232	8.816	8.956	9.232	
1455423	at	Khcd1a	BG067959	Mm.26006	1	3.910	4.070	4.169	4.255	4.116	4.184	4.131	4.200	4.213	3.919	4.133	4.013	4.084	4.162	4.100	4.142	4.105	4.170	4.338	4.185	4.213	4.128	4.165	4.207	
1455424	at	Wnk2	BB278286	Mm.342723	13	5.295	5.169	5.223	5.262	5.361	5.286	5.390	5.255	4.912	4.944	4.983	5.105	5.156	5.201	5.073	5.235	5.612	5.565	5.485	5.429	5.421	5.759	5.472	5.860	
1455425	at	BB001228	BG071655	Mm.17774	10	5.583	6.431	6.168	6.978	6.937	7.358	7.051	6.214	5.979	6.629	5.281	6.731	6.542	6.483	6.087	6.479	7.005	7.466	7.630	7.383	6.201	6.475	5.957	5.556	
1455426	at	Epha3	AV226618	Mm.19777	16	4.282	4.058	4.200	4.135	4.242	4.093	4.159	4.456	4.675	4.700	4.201	4.390	4.499	4.183	4.350	4.427	4.407	4.347	4.151	4.239	4.250	4.176	4.144	4.156	
1455427	at	Anopt4	AV269710	Mm.189536	2	6.454	6.653	6.478	6.657	6.636	6.630	6.570	6.681	7.209	7.119	6.634	6.630	6.660	6.910	6.644	6.671	6.460	6.626	6.719	6.791	6.702	6.311	6.716	6.522	
1455428	at	AN030080G19Rik	BM248711	Mm.255649																										

1455477	s	at	Pdzk1p1	AA396586	Mm.30181	4	7.373	7.320	7.391	7.578	7.384	7.183	7.397	7.422	7.456	7.310	7.402	7.359	7.441	7.394	7.338	7.552	7.465	7.298	7.425	7.364	7.414	7.363	7.355	7.447	
1455478	at		Ppf1a	BM222792	Mm.272809	7	9.766	9.040	9.326	9.139	9.483	8.933	8.808	9.105	9.167	9.411	9.004	9.363	9.189	8.859	8.710	9.364	8.343	8.244	8.127	7.919	8.725	8.864	9.374	8.939	
1455479	a	at	Ube203	BG070759	Mm.49884	3	12.806	13.219	12.965	12.861	12.809	12.910	12.997	12.914	13.120	13.205	13.448	12.994	12.891	13.472	13.023	12.915	12.674	12.750	12.921	12.920	12.681	12.627	12.973	13.037	
1455480	s	at	Ube203	BG070759	Mm.49884	3	10.870	11.387	11.226	11.105	10.876	11.245	11.177	11.177	11.416	11.177	11.038	10.935	11.609	11.235	11.277	10.728	11.031	11.155	11.178	10.819	10.819	10.819	11.205	11.419	
1455481	at		Ube203	BM241712	Mm.233083	X	10.869	10.792	10.808	10.639	10.357	11.090	10.800	10.601	10.851	11.022	10.581	10.845	11.015	10.955	10.839	10.840	10.730	10.741	10.920	10.856	10.900	10.836	10.900	10.785	
1455482	at		Ap2a2	BG175605	Mm.253090	7	8.472	8.544	8.674	8.896	8.848	8.850	8.779	7.208	8.743	9.063	8.572	8.534	8.706	8.774	8.749	8.832	7.646	8.339	8.798	8.764	8.144	7.845	8.914	8.987	
1455483	at		Zfp148	AI480666	Mm.392667	16	8.569	8.532	8.713	8.425	8.277	8.602	8.570	8.332	8.323	8.448	8.170	8.316	8.321	8.375	8.326	8.723	6.884	8.501	8.397	8.461	8.626	8.564	8.674	8.535	
1455484	at		2600009P04Rik	AV334527	Mm.390167	9	4.836	4.941	4.673	4.723	4.730	4.655	4.676	4.737	4.654	4.562	4.544	4.579	4.560	4.627	4.604	4.729	4.700	4.719	4.813	4.712	4.564	4.550	4.705	4.959	
1455485	x	at	Rpl13a	AI324936	Mm.180458	7	13.751	14.160	13.734	13.788	13.808	13.812	13.816	13.917	14.165	13.974	13.819	13.993	13.950	14.164	13.775	13.655	13.782	13.812	13.683	13.581	13.704	13.748	13.520	13.374	
1455486	at		Plas1	BM246045	Mm.431253	9	8.036	7.992	8.167	8.113	8.228	8.136	7.773	7.786	7.498	8.015	7.356	8.043	7.891	7.713	7.943	8.145	8.302	8.215	8.256	7.885	8.076	8.248	8.072	8.174	
1455487	at		Msd11	BG069370	Mm.390345	11	10.111	10.528	10.295	10.261	10.235	10.130	10.197	10.060	10.426	10.390	7.786	10.395	10.238	10.202	9.959	10.104	10.028	10.225	10.061	10.009	10.098	10.156	9.841	9.916	
1455488	at		6230416J20Rik	BB827546	Mm.74730	4	5.747	6.862	5.464	5.571	5.848	5.926	6.134	6.000	6.208	6.491	6.060	5.666	5.857	6.616	5.756	5.756	5.499	5.659	5.986	5.561	5.264	5.536	5.424	5.403	
1455489	at		Lrr1m2	BB201991	Mm.39900	18	6.039	5.890	6.227	5.862	5.873	5.835	6.029	5.926	5.548	5.757	5.971	5.946	5.791	5.915	5.949	6.021	5.927	5.985	5.930	5.961	6.15	5.928	5.795	5.994	
1455490	at		P1ar	AV027632	Mm.276414	1	5.720	5.545	5.502	5.465	5.480	5.537	5.617	5.705	5.432	5.528	5.488	5.296	5.470	5.590	5.527	5.792	5.430	5.563	5.571	5.688	5.774	5.541	5.521	5.728	
1455491	at		Hnrmph3	BI686700	Mm.274784	10	10.163	9.792	10.439	10.446	9.842	10.292	10.324	9.621	9.275	9.750	9.965	9.659	9.439	9.805	9.810	10.289	10.108	10.187	10.106	10.202	10.020	9.932	10.168	10.422	
1455492	at		B330016D10Rik	BB313577	Mm.32859	4	8.169	7.149	7.960	7.808	7.259	7.840	8.034	7.346	6.618	7.000	7.461	7.008	6.692	7.002	7.455	8.101	8.354	8.461	8.488	8.701	8.300	8.401	8.581	8.636	
1455493	at		Syne1	BI734306	Mm.331626	10	10.984	10.630	10.939	10.775	10.885	10.726	10.577	10.795	10.381	10.676	10.561	10.792	10.875	10.338	10.679	10.931	10.813	10.681	10.838	10.709	10.559	10.786	10.515	10.596	
1455494	at		Col1a1	BI794771	Mm.777735	11	10.509	12.626	10.000	10.380	12.550	11.485	9.901	11.567	13.445	13.289	11.622	12.814	13.097	12.738	12.662	10.086	9.159	10.024	10.585	9.136	9.231	9.104	8.681	8.934	
1455495	at		Abf2	BB667497	Mm.329515	1	9.368	9.304	9.368	9.274	9.383	9.507	9.289	9.514	9.252	9.358	9.567	9.387	9.377	9.469	9.286	9.454	9.564	9.471	9.407	9.362	9.509	9.691	9.388	9.543	
1455496	at		Plas	AV306055	Mm.340288	11	8.398	8.268	7.995	7.951	7.642	7.855	7.769	7.829	7.849	8.212	7.662	7.541	7.662	7.939	7.576	8.126	8.066	7.932	8.063	7.850	8.057	8.204	8.019	7.707	
1455497	at		Lenp9	BB799608	Mm.347643	7	7.721	7.681	7.648	7.579	7.466	7.598	7.595	7.486	7.544	7.403	7.510	7.489	7.520	7.573	7.433	7.499	7.771	7.705	7.550	7.721	7.531	7.501	7.481	7.445	
1455498	at		Gpr50	BQ032613	Mm.33336	X	4.500	4.249	4.519	4.219	4.350	4.464	4.381	4.329	4.153	4.555	4.431	4.282	4.160	4.392	4.376	4.361	4.380	4.364	4.228	4.798	4.392	4.332	4.386	4.498	
1455499	at		Nrxn2	BE949064	Mm.329616	19	5.242	5.308	5.260	5.127	5.069	5.057	5.219	5.153	5.158	4.937	5.146	5.127	4.984	5.056	5.271	5.457	5.369	5.401	5.248	5.234	5.331	5.052	5.371	5.321	
1455500	at		Rnc21	AW556558	Mm.133342	11	10.181	10.458	10.174	10.372	10.399	10.249	10.571	10.412	10.379	10.339	10.718	10.408	10.392	10.738	10.211	10.187	10.112	10.015	10.092	10.132	10.216	10.188	10.170	10.019	
1455501	at		Slt2a1	BB043465	Mm.473705	10	6.815	6.627	6.731	6.699	6.820	6.643	6.448	6.706	6.450	6.410	6.697	6.547	6.647	6.311	6.517	6.957	6.628	6.617	6.975	7.053	6.524	6.567	6.704	6.838	
1455502	at		Madd	BM225074	Mm.36410	2	8.096	8.246	8.220	8.322	8.202	8.233	8.148	8.140	8.228	8.232	7.963	8.083	8.174	8.420	8.174	8.206	8.247	8.134	8.145	8.004	8.020	8.068	8.215	8.219	
1455503	at		Ube273	BM240726	Mm.351476	13	5.050	5.176	5.050	5.068	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	5.157	5.020	
1455504	at		Ube273	BE133749	Mm.270484	6	9.165	8.474	9.340	9.006	8.652	9.028	9.112	8.334	9.952	9.227	8.339	9.952	9.227	8.339	9.952	9.227	8.339	9.952	9.227	8.339	9.952	9.227	8.339	9.952	
1455505	at		Galat2a	AI840824	Mm.270044	8	6.909	7.124	7.404	7.402	7.442	7.119	6.949	6.982	6.890	7.096	7.234	7.195	7.754	7.818	7.692	6.966	7.688	6.823	6.979	7.270	6.801	7.026	7.080	6.976	7.170
1455506	at		Slc25a34	BE650825	Mm.295682	4	11.010	10.481	10.912	10.956	10.840	10.889	10.632	11.169	9.817	10.012	10.085	10.832	10.674	10.032	10.868	10.689	11.994	11.670	11.224	11.299	11.146	11.872	11.186	10.978	
1455507	s	at	Atxn1	BM223036	Mm.276770	8	9.273	9.520	9.209	9.199	9.637	9.200	9.353	9.802	9.881	9.949	10.017	9.792	9.704	9.601	9.747	9.286	9.367	9.208	9.189	9.172	9.320	9.497	9.408	9.463	
1455508	at		AS30082C11Rik	BF318246	Mm.306018	8	8.722	8.712	8.778	8.797	8.734	8.797	8.866	8.239	8.547	8.897	8.416	8.630	8.534	8.659	8.617	8.748	8.348	8.761	8.673	8.643	8.565	8.840	8.906	8.560	
1455509	at		AB182283	AI429738	Mm.337771	11	6.323	6.713	6.507	6.471	6.381	6.286	6.312	6.836	6.432	6.152	6.481	6.517	6.289	6.328	6.350	6.329	6.375	6.302	6.314	6.086	6.584	6.475	6.366	6.470	
1455510	at		LC100039483	AA688828	Mm.285454	11	8.842	8.906	8.951	8.885	8.711	9.049	8.963	8.704	8.813	8.989	9.238	8.781	8.695	8.914	8.858	8.984	8.840	8.659	8.833	8.901	8.824	8.896	9.014	8.774	
1455511	at		Seip3	BB361907	Mm.44905	2	7.959	8.598	7.933	7.252	7.390	7.205	7.136	7.309	7.276	7.120	6.973	7.336	7.232	7.339	7.216	7.056	7.411	7.293	7.041	7.208	7.087	7.052	7.082	7.022	
1455512	at		Gm879	AI852151	Mm.351764	11	4.501	4.419	4.430	4.277	4.306	4.009	4.231	4.229	4.449	4.319	4.331	4.081	4.164	4.302	4.156	4.281	4.129	4.419	4.366	4.459	4.335	3.907	4.343	4.129	
1455513	at		Taf1	BG070349	Mm.261750	X	8.121	8.027	8.082	8.059	8.238	8.142	8.133	8.480	8.811	8.303	8.057	8.188	8.214	8.236	8.023	8.222	8.237	7.914	8.023	7.560	8.110	8.288	8.055	7.925	
1455514	at		Kcnd1	BM022687	Mm.439680	X	8.196	8.076	7.884	8.029	7.996	7.911	8.023	8.173	8.456	8.321	8.067	8.111	8.250	8.354	8.109	7.977	7.847	8.023	7.971	7.914	7.976	7.971	7.972	8.057	
1455515	at		181004115Rik	BB017711	Mm.275387	15	7.865	7.556	7.906	7.959	7.866	7.767	7.977	7.919	7.863	7.633	7.944	7.798	7.712	7.852	7.739	7.815	7.839	7.880	7.979	7.904	7.891	7.673	7.744	7.875	
1455516	at		Nb	BG065199	NA	NA	4.494	4.315	4.607	4.521	4.455	4.830																			

1455566	s	at	2810022L02Rik	AV337975	Mm.159989	1	6.641	6.239	6.665	6.457	6.996	6.545	6.777	6.701	6.600	6.691	6.552	7.281	7.255	6.710	7.038	6.425	6.770	6.640	6.600	6.498	6.735	6.677	6.541	6.579	
1455567	at	Crkrs	BE456772	MM.260516	11	7.109	7.079	7.209	7.161	7.056	7.130	6.905	7.049	7.101	7.198	7.040	6.542	7.242	7.318	7.277	7.135	7.011	7.088	7.211	7.069	7.013	7.132	6.980	7.115	6.896	7.050
1455568	at	NA	BI689456	NA	NA	7.787	7.532	7.628	7.722	7.522	7.540	7.789	7.700	7.535	7.700	7.535	7.627	7.637	7.618	7.664	7.570	7.630	7.609	7.757	7.545	7.607	7.598	7.609	7.796	7.646	7.937
1455569	at	NA	BM239992	NA	NA	8.163	7.876	8.020	8.073	7.972	8.016	7.831	8.034	7.871	7.797	7.947	7.990	8.038	7.913	7.907	8.087	8.066	8.182	8.164	8.132	8.073	7.987	7.987	8.023	7.997	
1455570	x	at	Cal3	AV015452	Mm.275555	3	10.975	11.631	10.991	10.769	11.393	10.975	10.911	11.487	12.279	11.807	11.716	11.748	11.976	11.718	11.514	10.877	10.671	10.630	10.631	10.423	10.923	11.048	11.302	10.895	
1455571	x	at	Cal3	AV015452	Mm.285993	12	11.470	12.028	11.680	11.525	11.646	11.680	11.791	11.465	11.987	12.065	11.869	11.635	11.558	12.229	11.814	11.598	10.692	11.132	11.223	11.206	11.168	11.248	11.674	11.643	
1455572	x	at	LOC100042388	AI415136	Mm.324287	13	13.436	14.169	13.258	13.508	13.335	13.533	13.576	13.837	14.156	13.773	13.637	13.773	13.655	13.967	13.483	13.281	13.807	13.779	13.531	13.406	13.692	13.732	13.328	13.051	
1455573	at	Krt14	BE197934	Mm.439988	11	6.593	6.129	6.167	6.187	6.374	6.307	6.174	6.111	6.095	5.958	6.462	6.100	5.917	6.255	6.079	6.207	6.187	6.002	6.191	6.316	6.263	6.138	6.145	6.219		
1455574	at	Sma7	AI853422	Mm.270775	1	8.378	8.380	8.421	8.559	8.560	8.753	8.605	8.362	8.211	8.347	8.503	8.410	8.304	8.377	8.444	8.482	8.431	8.576	8.578	8.514	8.510	8.230	8.125	8.652		
1455575	at	Eif4ebp2	BI453292	Mm.259516	10	7.979	7.331	7.802	7.796	7.748	7.698	8.080	7.662	7.635	7.645	7.904	7.547	7.766	7.766	7.750	7.852	7.664	7.734	7.831	8.048	7.716	7.615	7.858	7.968		
1455576	at	Rnl	AW493583	Mm.74632	7	6.873	6.718	6.708	6.759	6.711	6.805	6.770	6.808	6.675	6.606	6.912	6.499	6.908	6.799	6.740	6.768	6.692	6.670	6.711	6.796	6.647	6.500	6.609	6.577		
1455577	at	Ccd1	BE196980	Mm.143745	13	7.648	7.450	7.550	7.814	7.531	7.389	7.641	7.473	7.720	7.283	7.924	7.433	7.719	7.752	7.262	7.596	7.609	7.678	7.686	7.842	7.666	7.531	7.849	7.643		
1455578	x	at	Rpl41	AU018166	Mm.290786	10	13.224	13.628	13.013	13.053	13.223	12.971	13.158	13.653	13.956	13.528	13.424	13.710	13.734	13.500	13.115	13.035	13.789	13.370	13.089	13.122	13.330	12.585	13.074	12.983	
1455579	at	Csn12a	BF119305	Mm.4908	5	4.213	4.056	4.231	4.271	4.007	4.241	4.276	4.164	4.192	4.111	4.319	4.115	4.114	4.045	4.102	4.074	4.245	4.470	4.280	4.299	4.474	4.183	4.426	4.407		
1455580	at	Usp6nl	BE851876	Mm.40673	2	8.167	8.291	8.158	8.278	8.289	8.160	8.198	8.391	8.414	8.282	8.328	8.185	8.342	8.344	8.264	8.144	8.185	8.178	8.142	8.215	8.167	8.090	8.280	8.145		
1455581	x	at	Samd9l	BO175154	Mm.196013	6	8.988	8.887	9.607	9.769	9.242	8.976	9.920	9.762	8.478	8.958	8.826	8.753	8.663	9.085	9.542	9.701	9.916	10.075	9.928	9.990	9.802	10.099	10.043	10.152	
1455582	at	NA	BI156044	NA	NA	8.081	8.009	7.915	8.336	8.558	8.447	7.920	8.608	8.515	8.500	8.415	8.533	8.685	8.387	8.508	8.034	8.607	8.522	8.439	8.294	8.452	8.624	8.864	8.800	8.271	
1455583	at	Gne	AV371374	Mm.256718	4	7.959	7.931	8.114	8.089	7.957	8.051	8.125	7.953	7.794	8.025	8.003	7.996	8.098	8.016	7.954	8.114	7.938	8.266	8.108	8.166	7.964	7.864	7.896	8.018		
1455584	at	Sd4	BG064675	Mm.293517	4	8.845	8.575	9.112	9.130	9.029	9.140	8.857	9.030	8.624	8.717	8.707	9.063	9.005	8.540	9.049	9.039	9.463	9.489	9.377	9.258	9.379	9.447	9.191	9.294		
1455585	at	Rnl168	BB275228	Mm.228263	16	9.454	9.644	9.372	9.409	9.618	9.424	9.396	9.484	9.578	9.506	9.310	9.566	9.545	9.500	9.352	9.284	9.618	9.632	9.501	9.300	9.549	9.664	9.593	9.303		
1455586	at	Rnl168	BB275228	Mm.228263	16	7.371	7.923	7.401	7.660	7.778	7.572	7.666	7.754	7.483	7.585	7.510	7.713	7.573	7.605	7.590	7.586	7.674	7.756	7.757	7.374	7.814	7.667	7.632	7.531		
1455587	at	Fam167b	AW124853	Mm.20377	4	6.689	6.914	6.497	6.704	6.684	6.563	6.457	7.085	6.989	6.739	6.648	6.900	7.031	7.201	6.539	6.564	6.745	6.538	6.596	6.547	6.436	6.566	6.299	6.293		
1455588	at	Lym4	BE952216	Mm.390576	13	9.498	9.665	9.656	9.494	9.500	9.317	9.588	9.499	9.132	9.207	9.382	9.425	9.277	9.317	9.368	9.641	9.614	9.878	9.761	9.715	9.562	9.601	9.394	9.358		
1455589	at	1700100M5ORik	BF018849	Mm.360661	2	8.936	8.874	8.995	9.158	9.093	9.224	9.502	9.093	8.678	8.692	8.854	9.051	8.816	8.785	9.110	8.961	9.755	9.573	9.458	9.570	9.463	9.498	9.355	9.250		
1455590	at	Nqo2	AV380561	Mm.252210	13	8.832	8.633	9.067	9.007	8.617	8.931	8.921	8.637	8.801	8.675	8.489	8.456	8.818	8.829	8.727	8.966	9.884	8.895	9.202	9.207	8.825	8.950	8.910	8.958		
1455591	at	Zfp618	AV236080	Mm.26479	4	7.173	7.127	7.054	6.756	6.959	6.757	6.976	6.931	7.347	7.149	7.164	6.757	7.237	7.281	7.205	7.024	6.790	6.908	7.146	7.032	7.032	6.644	7.039	6.749		
1455592	at	Vangl2	Mm.451046	Mm.261294	6	6.403	6.463	6.416	6.405	6.465	6.416	6.465	6.467	6.416	6.465	6.416	6.465	6.416	6.465	6.416	6.465	6.416	6.465	6.416	6.465	6.416	6.465	6.416	6.465		
1455593	at	Abp1	AI785548	Mm.221239	12	7.020	6.711	6.808	6.791	6.651	6.611	6.956	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	6.604	
1455594	at	Exoc3	BF457860	Mm.261859	13	9.442	9.228	9.395	9.374	9.509	9.576	9.486	9.335	8.802	9.109	9.105	9.285	9.171	8.941	9.318	9.303	9.672	9.626	9.676	9.644	9.463	9.714	9.410	9.323		
1455595	at	Uqt1236	AW111403	Mm.439851	5	5.393	5.295	5.368	5.292	5.228	5.282	5.333	5.225	5.248	5.255	5.413	5.210	5.309	5.304	5.266	5.257	5.239	5.165	5.346	5.439	5.225	5.294	5.204	5.318		
1455596	a	at	BC029214	BB663640	Mm.261780	2	7.681	7.709	7.338	7.502	7.560	7.331	7.441	7.739	7.810	7.583	7.423	7.778	7.927	7.309	7.446	7.363	7.622	7.463	7.297	7.282	7.402	7.549	7.179	7.304	
1455597	at	Map3k	AV024458	Mm.211762	18	8.853	8.810	8.950	8.930	8.982	9.147	8.993	8.328	8.779	9.213	8.563	9.074	9.120	8.879	9.033	9.092	8.587	8.844	8.947	8.807	8.593	8.980	9.005	9.117		
1455598	at	Usp30	BB706612	Mm.240421	5	7.494	7.665	7.593	7.547	7.685	7.576	7.564	8.004	7.927	7.808	7.596	7.891	7.921	7.683	7.668	7.741	7.649	7.800	7.557	7.543	7.589	7.889	7.789	7.415	7.485	
1455599	at	Gfod1	AV220135	Mm.441399	13	9.359	9.109	9.371	9.243	9.088	9.081	9.105	8.826	9.130	9.138	9.316	8.775	8.799	8.997	9.199	9.289	8.893	9.197	9.189	9.148	9.198	9.198	9.290	9.604		
1455600	at	Podv2	BB461986	Mm.326688	7	7.948	8.572	7.759	7.010	8.810	8.087	8.392	8.854	8.742	8.857	8.207	8.922	8.449	8.819	8.819	8.210	8.274	8.258	8.901	8.918	8.918	8.918	8.918	8.918		
1455601	at	NA	BB507994	NA	NA	7.619	7.637	7.985	8.123	8.083	8.339	8.292	7.662	7.141	7.506	8.667	7.620	7.419	7.323	7.468	7.939	8.498	8.278	8.101	8.568	8.619	8.335	8.064	8.291		
1455602	x	at	1110028C15Rik	AV023018	Mm.383276	1	9.038	8.879	9.366	8.976	8.924	9.174	9.121	9.085	8.513	8.807	8.433	9.093	8.749	8.636	9.035	9.293	9.154	8.889	9.056	9.951	9.144	9.573	9.133	9.222	
1455603	at	NA	BB357557	NA	NA	7.325	7.277	7.272	7.381	7.364	7.319	7.369	7.319	7.332	7.263	7.353	7.217	7.321	7.316	7.244	7.212	7.504	7.440	7.329	7.390	7.350	7.301	7.390	7.347		
1455604	at	Fzd5	BB795235	Mm.150813	1	7.196	7.929	7.295	6.961	7.368	7.552	7.255	7.181	8.172	8.482	7.249	8.076	7.632	7.794	7.367	7.248	7.457	7.429	7.392	7.067	7.107	7.059	6.943			
1455605	at	Rufy3	AV228630	Mm.270469	5	7.930	7.921	7.531	7.914	8.013	7.777	7.883	8.056	7.930	8.023	7.856	8.211	8.099	7.844	7.955	7.465	7.468	7.868	7.969	7.876	7.711	7.839	8.290	7.870	7.921	
1455606	at	Nb4bp1	BB401179	Mm.25117	8	8.695	9.067	9.085	9.																						

1455655	a	at	Tardbp	BM935796	Mm.22453	4	9.303	9.340	9.727	9.386	9.712	9.603	9.395	9.031	8.769	9.474	9.352	8.842	8.865	9.604	9.360	9.857	8.853	8.757	9.351	9.464	8.977	8.964	9.555	9.841
1455656	at		Btla	BM240873	Mm.38199	16	6.684	6.802	6.940	6.705	6.781	6.866	6.829	6.890	6.853	6.654	6.998	6.705	6.823	7.168	6.814	6.904	6.817	6.969	7.006	7.073	6.873	6.810	6.850	7.011
1455657	at		C610207105Rik	BM219553	Mm.309053	7	8.599	8.413	8.469	8.456	8.428	8.390	8.194	8.260	8.036	8.468	8.957	8.005	8.056	8.389	8.232	8.519	7.749	7.769	7.367	7.798	7.563	7.975	8.772	8.282
1455658	at		Cqbob1	BI080272	Mm.10160	16	7.945	8.658	7.707	7.753	7.983	7.722	7.802	8.210	8.621	8.325	8.604	8.119	8.052	8.381	7.992	7.766	7.914	7.911	7.783	7.642	7.995	8.267	7.932	7.950
1455659	at		Tmcc1	AA244468	Mm.394713	6	9.689	9.402	9.350	9.485	9.515	9.367	9.399	9.746	9.066	9.271	9.313	9.475	9.536	9.036	9.398	9.251	9.680	9.572	9.387	9.376	9.903	10.120	9.379	9.665
1455660	at		Csf2r2	BB769628	Mm.235324	15	8.382	9.433	8.079	8.034	8.184	8.592	7.908	7.684	8.592	9.226	9.042	7.949	8.475	8.146	8.631	7.867	7.926	6.644	6.771	7.495	6.253	6.855	6.973	7.996
1455661	at		ENSMUSG000000	BB211563	Mm.30504	5	7.752	7.116	7.879	7.691	7.714	7.605	7.852	7.624	7.353	7.553	7.612	7.383	7.487	7.626	7.585	7.879	7.891	7.605	8.090	8.032	7.816	7.724	7.777	7.777
1455662	x	at	Rps17	AV117525	Mm.42767	7	13.333	13.685	13.181	13.373	13.408	13.396	13.316	13.631	13.826	13.485	13.437	13.608	13.550	13.595	13.265	13.135	13.748	13.696	13.306	13.392	13.666	13.681	13.161	13.071
1455663	at		Offm1	BB055163	Mm.77425	7	7.064	6.961	7.218	7.341	7.514	7.520	7.092	7.308	7.109	7.272	7.558	7.854	7.600	7.296	7.447	6.819	6.979	7.380	7.429	7.072	7.079	6.914	6.438	6.632
1455664	at		Rtn4r1	BE996483	Mm.82661	11	6.621	7.205	6.759	7.062	7.276	7.091	6.691	6.884	6.759	6.816	6.260	6.922	6.912	6.624	6.534	6.537	7.685	7.516	7.335	6.799	6.548	7.027	6.202	6.472
1455665	at		Lonr1	BB705689	Mm.324032	8	9.725	9.233	9.588	9.696	9.571	9.897	9.766	9.043	8.724	8.896	9.372	9.418	9.031	9.010	9.087	9.538	9.408	8.982	8.384	8.979	9.904	10.048	9.149	9.674
1455666	at		Zlf595	BB034008	Mm.289695	13	5.992	6.189	6.229	6.144	6.159	6.107	6.230	6.238	6.507	6.374	6.167	6.189	6.212	6.148	6.473	6.374	5.790	5.792	6.216	6.287	5.944	5.657	6.238	6.193
1455667	at		Preb	AV362891	Mm.272414	5	7.958	7.892	7.762	7.712	7.776	7.806	7.929	7.946	7.520	7.831	7.591	7.991	7.578	7.607	7.812	7.734	7.968	7.761	8.093	8.068	8.270	7.983	7.795	8.056
1455668	at		Whsc11	MM112152	Mm.217337	8	8.924	9.014	9.023	9.133	9.251	9.221	8.995	8.899	9.022	9.181	8.960	9.304	9.182	9.071	9.226	9.210	9.068	9.185	9.111	9.114	9.882	9.196	9.251	9.211
1455669	at		Wdr19	AI415371	Mm.127550	5	7.241	7.490	7.073	6.856	7.935	7.039	7.107	7.377	8.124	8.007	7.503	7.747	8.029	7.662	7.750	7.119	7.144	7.244	7.417	7.377	6.845	6.864	6.971	6.971
1455670	at		NA	B0175884	NA	NA	7.691	7.391	7.610	7.489	7.719	7.628	7.479	7.392	7.377	7.379	7.478	7.446	7.425	7.501	7.548	7.589	7.479	7.509	7.570	7.550	7.437	7.578	7.560	7.560
1455671	at		Comm8d	AV365904	Mm.44223	5	8.954	8.885	9.119	9.037	9.073	9.099	8.966	8.895	9.076	9.012	8.714	9.062	9.077	9.073	9.069	9.136	8.924	8.884	9.007	8.942	8.981	9.039	9.087	9.068
1455672	s	at	Cplx2	BE946238	Mm.268902	13	9.914	9.523	9.738	9.853	9.763	9.705	9.817	10.048	9.634	9.579	8.896	9.685	9.726	9.822	8.893	9.790	9.792	9.880	9.806	8.997	9.860	9.848	9.944	9.745
1455673	at		Alkbh2	BG0710741	Mm.332593	5	10.207	7.270	7.069	6.220	6.494	6.047	6.083	6.528	6.980	6.579	6.301	6.355	6.623	6.615	6.136	5.841	6.066	6.519	6.105	6.079	6.313	6.360	5.690	5.624
1455674	at		Wdr76	BB041662	Mm.293284	2	7.213	7.266	7.179	7.161	7.276	7.269	7.044	7.392	7.280	7.174	7.114	7.223	6.925	7.509	7.103	7.041	7.158	7.202	7.235	7.118	7.310	7.068	6.948	7.281
1455675	s	at	Tlal1	BM122619	Mm.242072	7	10.563	10.884	10.639	10.667	10.570	10.626	10.654	10.468	10.704	10.769	10.670	10.485	10.498	10.863	10.629	10.613	10.395	10.415	10.607	10.612	10.317	10.380	10.578	10.733
1455676	x	at	Tlal1	BM122619	Mm.242072	7	9.252	9.643	9.372	9.325	9.224	9.372	9.447	9.078	9.377	9.506	9.358	9.214	9.170	9.521	9.320	9.259	8.996	9.110	9.241	9.217	9.009	9.143	9.339	9.427
1455677	s	at	Clncka	C76734	Mm.167900	4	6.902	6.927	7.055	7.043	6.998	6.908	7.062	6.960	6.789	6.709	6.645	6.703	6.919	6.907	7.058	7.299	7.118	7.024	6.994	7.064	7.172	6.912	7.101	7.212
1455678	at		Sema4b	AW542299	Mm.275909	7	8.924	8.878	8.889	9.059	8.750	8.906	8.878	8.790	8.852	8.823	8.719	8.890	8.906	8.747	8.601	8.840	9.015	9.107	9.079	9.981	9.187	8.894	9.251	8.987
1455679	at		NA	BE457727	NA	NA	9.463	10.075	9.046	9.358	10.357	9.375	9.296	8.986	10.508	10.333	9.479	10.378	10.125	10.224	9.674	8.917	9.035	9.128	9.679	9.024	9.198	9.316	9.172	8.899
1455680	at		9630025H16Rik	BB438526	Mm.31914	3	9.351	8.770	9.386	9.210	9.141	9.228	9.148	9.113	8.679	8.817	9.301	8.831	9.030	9.988	9.171	9.479	9.257	9.223	9.464	9.406	9.306	9.285	9.390	9.773
1455681	at		Zfp369	BB795075	Mm.231066	13	8.202	8.109	8.969	9.337	9.386	9.339	9.486	9.367	9.299	9.388	9.288	9.370	9.325	8.954	8.448	9.370	9.325	8.954	8.919	9.255	9.155	9.295	9.159	9.245
1455682	at		NA	BG076051	Mm.325514	8	8.558	8.556	8.447	8.500	8.687	8.544	8.574	8.567	8.576	8.564	8.573	8.564	8.576	8.572	8.573	8.505	8.577	8.573	8.505	8.517	8.503	8.878	9.591	8.965
1455683	a	at	Tbc1d8	BB451404	Mm.387293	1	5.165	5.172	5.039	5.131	5.212	5.074	5.019	5.019	5.172	5.225	5.334	5.245	5.233	5.114	5.093	5.024	5.225	5.106	5.088	5.164	5.097	4.922	5.051	5.094
1455684	at		Mad3k9	BB175363	Mm.35284	12	8.539	8.326	8.565	8.345	8.243	8.304	8.469	8.156	8.328	8.215	8.310	8.162	8.292	8.315	8.343	8.341	8.248	8.274	8.395	8.478	8.507	8.196	8.259	8.473
1455685	at		Mical2	BM118009	Mm.52312	7	8.594	8.522	8.477	8.275	8.816	8.482	8.424	8.469	9.140	9.014	8.899	9.026	8.976	8.805	8.975	8.399	8.191	8.429	8.372	8.313	8.424	8.139	8.645	8.678
1455686	at		NA	BB077342	NA	NA	4.983	5.203	5.070	4.702	5.164	4.953	5.100	5.372	5.151	5.404	4.936	5.071	5.255	5.051	5.399	5.085	4.932	5.032	5.062	4.949	5.048	5.009	5.621	4.859
1455687	at		ick	BB376918	Mm.288719	9	8.415	8.061	8.817	8.589	8.674	8.580	8.393	8.512	8.520	8.860	8.063	8.772	8.928	8.400	8.753	8.858	8.326	8.235	8.461	8.459	8.336	8.518	8.525	8.519
1455688	at		Ddr2	BB795075	Mm.232949	1	9.202	9.181	8.937	9.368	9.339	9.582	9.248	9.187	9.064	9.144	9.214	9.482	9.091	9.334	9.260	9.179	9.003	9.082	8.977	9.964	9.024	9.276	9.191	9.015
1455689	at		Dna11	BM121813	Mm.219728	5	7.269	8.241	8.535	7.590	8.495	8.545	7.531	8.535	8.888	8.558	8.325	7.750	7.774	8.235	7.616	7.734	8.435	8.464	8.435	8.464	8.435	8.464	8.435	8.464
1455690	at		NA	BE956288	NA	NA	9.087	9.352	8.994	9.327	9.262	9.022	8.929	9.176	9.035	9.160	9.077	8.967	8.880	8.950	8.905	9.023	9.437	9.268	9.228	9.349	9.300	9.437	9.128	9.365
1455691	at		Cyp21a1	BB819708	Mm.440047	17	7.842	7.960	7.870	7.993	7.966	7.607	7.883	7.806	7.940	7.963	7.975	7.946	7.889	7.985	7.825	7.939	7.997	7.691	7.978	7.789	7.789	7.828	7.516	7.780
1455692	x	at	170009720Rik	AA263697	Mm.372315	17	5.898	5.665	5.895	5.902	5.813	5.851	5.807	5.801	5.820	5.675	5.824	5.822	5.805	5.824	5.778	5.782	5.958	5.841	6.058	5.862	5.841	5.797	5.780	5.877
1455693	x	at	LOC100043734	AI450929	Mm.390690	14	14.126	14.247	14.190	14.120	14.047	14.184	14.141	14.088	14.229	14.202	14.047	14.106	14.044	14.343	14.191	14.075	13.993	14.054	14.130	14.019	14.033	14.034	14.144	14.150
1455694	at		Nbeal2	C77476	Mm.335484	9	7.122	7.434	6.854	7.186	7.268	6.901	7.162	7.491	7.449	7.366	7.085	7.365	7.607	7.280	6.954	7.006	7.307	7.372	6.789	6.839	7.231	7.259	7.058	6.881
1455695	at																													

1455744	at	Na	BM076066	NA	NA	9.194	8.985	9.106	9.121	9.384	9.157	9.261	9.191	9.455	9.368	9.074	9.378	9.471	9.177	9.331	9.032	9.387	9.352	9.314	9.341	9.512	9.379	9.065	
1455745	at	Cln8	BM249363	Mm.254027	8	7.436	7.648	7.329	7.423	7.986	7.231	7.247	7.381	7.971	7.594	7.451	7.460	7.600	7.612	7.387	7.388	7.336	7.461	7.432	7.371	7.218	7.343	7.389	7.606
1455746	at	Kif13a	BF166390	Mm.347923	13	11.071	10.762	11.351	11.279	11.258	11.066	11.187	10.896	10.413	10.870	10.884	10.893	10.772	10.570	10.842	11.426	10.896	11.123	11.088	11.073	11.144	11.205	11.259	11.448
1455747	at	Ggt3	BB010646	Mm.257927	10	7.000	6.846	7.299	7.404	6.836	7.268	7.100	6.864	6.843	6.794	6.806	6.880	6.775	7.035	7.132	7.350	7.308	7.130	7.441	7.477	7.071	7.405	7.211	7.429
1455748	at	Dynl1	AI665241	Mm.1348	17	6.489	6.148	6.264	6.427	6.409	6.211	6.313	6.280	6.166	6.356	6.272	6.087	6.280	6.054	6.330	6.212	6.537	6.425	6.473	6.326	6.396	6.586	6.453	
1455749	at	Ndufa7	CR8880	Mm.29513	17	8.408	8.530	8.448	8.515	8.397	8.227	8.173	8.248	8.411	8.331	8.482	8.736	8.369	8.863	8.401	8.366	8.456	8.944	8.322	8.480	9.181	9.606	8.221	8.261
1455750	at	A230067G21Rik	BE852799	Mm.222310	2	9.181	8.917	9.036	9.281	9.070	9.228	9.402	9.098	8.555	8.904	8.865	8.920	8.735	8.618	8.799	9.007	9.329	9.358	9.311	9.166	9.175	9.320	8.948	9.252
1455751	at	Cand1	BB770361	Mm.203965	10	5.766	6.081	5.727	5.909	6.074	5.927	5.830	5.970	6.340	6.121	6.067	5.978	5.927	6.062	5.792	5.886	5.750	5.772	5.930	5.850	5.852	5.625	5.933	5.805
1455752	a at	Tmem134	BF681820	Mm.276255	19	10.584	10.489	10.574	10.310	10.673	10.510	10.500	10.497	10.540	10.560	10.537	10.705	10.618	10.364	10.573	10.476	10.631	10.783	10.666	10.692	10.621	10.535	10.272	10.439
1455753	at	C630035N08Rik	BQ176181	Mm.314080	2	7.897	7.564	7.729	7.823	7.889	7.832	7.781	7.849	7.843	7.612	7.781	7.582	7.806	7.794	7.727	7.876	7.633	7.641	7.898	7.848	7.749	7.712	8.006	7.820
1455754	at	Lmo3	B0043839	Mm.44814	6	6.263	6.122	6.173	6.351	6.290	6.255	6.256	6.301	5.936	6.001	6.048	5.984	6.239	6.223	6.047	6.316	6.234	6.643	6.327	6.370	6.332	6.097	6.509	6.407
1455755	at	Gm88	BB026554	Mm.70999	17	5.181	5.190	5.098	5.139	5.079	5.159	5.337	5.283	5.227	5.061	5.079	5.089	5.317	5.006	5.218	4.952	5.181	5.203	5.131	5.240	5.179	5.424	5.292	5.007
1455756	at	Pcil1	BB232864	Mm.241134	2	8.700	8.536	8.679	8.722	8.607	8.699	8.599	8.474	7.994	8.343	8.349	8.469	8.436	8.383	8.448	8.755	8.621	8.741	8.714	8.691	8.500	8.530	8.675	8.766
1455757	at	D3Ert0254e	AW067741	Mm.260056	3	6.875	7.484	7.193	7.221	7.307	7.373	6.933	7.610	7.899	7.833	7.196	7.875	7.976	7.425	7.569	7.142	7.769	7.589	7.448	7.321	7.175	7.813	6.921	6.671
1455758	at	Prkcc	BM215011	Mm.7980	7	7.583	7.049	7.611	7.532	7.252	7.375	7.699	7.465	7.319	7.161	7.362	7.198	7.259	7.315	7.394	7.670	7.504	7.515	7.469	7.676	7.607	7.433	7.649	7.485
1455759	a at	Ankhd1	BM243710	Mm.24790	18	6.807	7.030	6.958	7.106	7.129	6.889	6.938	6.970	7.016	6.933	6.636	7.064	6.834	6.755	6.866	7.210	7.146	6.888	6.853	6.726	7.136	7.220	6.991	6.798
1455760	at	Zl39a5	BB749107	Mm.334766	8	6.198	6.998	6.052	6.429	6.746	6.260	6.367	6.884	6.692	6.471	6.661	6.673	6.607	6.551	6.554	6.071	6.385	6.509	6.565	6.237	6.530	6.472	6.104	6.112
1455761	at	Slc10009B15Rik	BI652571	Mm.264673	1	4.513	4.549	4.600	4.371	4.363	4.526	4.520	4.590	4.416	4.370	4.477	4.476	4.396	4.306	4.506	4.248	4.672	4.508	4.737	4.613	4.455	4.404	4.560	4.325
1455762	at	C330002191Rik	BB430142	Mm.250641	12	10.042	10.103	10.261	10.271	10.466	10.332	10.191	10.294	10.050	10.385	9.673	10.536	10.418	9.692	10.211	10.226	10.325	10.442	10.190	10.350	10.143	10.482	10.005	10.001
1455763	at	Rn14	BB753958	Mm.294120	10	6.818	6.157	6.755	6.623	6.555	6.780	7.004	6.967	6.674	6.482	6.615	6.579	6.659	6.581	6.457	6.731	6.723	6.563	6.662	6.738	6.674	6.648	6.746	6.748
1455764	at	Lrsna1	AV309553	Mm.277661	5	5.795	5.424	5.609	5.676	5.688	5.661	5.586	5.581	5.680	5.580	5.692	5.555	5.522	5.537	5.731	5.841	5.865	5.708	5.701	5.826	5.690	5.559	5.867	
1455765	a at	Abcc8	BB515948	Mm.259076	7	8.977	8.370	8.792	8.963	8.780	8.988	8.928	8.819	7.937	8.346	8.398	9.320	8.849	8.233	8.856	8.839	9.434	9.086	8.652	8.605	8.919	9.185	8.703	8.567
1455766	at	Gabra1	BE945884	Mm.439668	11	5.852	5.188	5.345	5.434	5.349	5.465	5.382	5.514	5.602	5.241	5.595	5.288	5.370	5.177	4.992	5.685	5.521	5.480	5.325	5.591	5.999	6.029	5.946	5.707
1455767	x at	Rpl21	AV005827	Mm.316592	5	11.950	12.381	11.580	11.846	12.030	11.901	11.672	12.644	12.761	12.091	11.945	12.316	12.234	12.029	11.704	11.483	12.501	12.405	11.665	11.707	12.462	12.432	11.403	11.310
1455768	at	Npc2	BG071996	Mm.282556	12	7.785	8.035	7.831	7.996	8.163	7.891	7.875	7.833	8.712	8.527	8.005	8.062	8.526	8.099	8.103	7.745	7.818	7.645	8.042	7.604	7.881	7.846	7.991	7.961
1455769	at	NA	AV221520	NA	NA	4.762	4.715	5.087	5.036	4.783	5.140	5.024	5.015	4.841	5.046	4.821	5.014	4.910	4.510	4.904	5.016	5.338	5.300	5.178	5.256	5.158	5.311	5.206	5.111
1455770	at	NA	AV595721	NA	NA	5.254	5.255	5.243	5.243	5.177	5.225	5.320	5.211	5.273	5.346	5.257	5.444	5.036	5.444	5.036	5.444	5.036	5.444	5.036	5.444	5.036	5.444	5.036	5.444
1455771	at	Bzap1	BB467799	Mm.342019	11	6.921	6.555	6.563	6.483	6.718	6.690	6.561	6.493	6.654	6.664	6.422	6.654	6.422	6.654	6.422	6.654	6.422	6.654	6.422	6.654	6.422	6.654	6.422	6.654
1455772	at	Ptr	BD428874	Mm.12798	9	7.009	6.418	6.896	6.763	6.766	6.878	6.746	6.797	6.506	6.479	6.744	6.594	6.750	6.719	6.703	6.869	6.873	6.577	6.615	7.092	7.054	6.841	6.919	6.640
1455773	at	NA	BG797225	NA	NA	10.122	9.304	9.819	8.923	8.999	9.380	10.020	8.153	8.621	8.478	8.244	8.564	8.753	8.676	8.281	8.958	8.151	8.330	8.702	9.983	8.562	8.648	9.106	9.377
1455774	at	Junb	BA009005	Mm.419851	8	8.655	8.685	8.619	8.718	8.598	8.542	8.564	8.710	8.756	8.241	8.494	8.468	8.641	8.433	8.479	8.653	8.698	8.558	8.603	8.780	8.629	8.526	8.523	8.556
1455775	at	NA	AW988196	NA	NA	7.874	7.831	7.912	7.884	7.915	7.713	7.721	8.001	7.867	7.814	7.785	7.969	7.465	7.833	7.806	8.301	8.232	7.752	7.832	8.251	8.294	7.893	7.778	
1455776	x at	Bola2	BE951004	Mm.358692	7	9.677	9.562	9.399	9.458	9.780	9.634	9.511	10.120	9.712	9.856	9.611	9.944	9.673	9.798	9.509	9.562	9.948	9.783	9.681	9.635	9.951	10.012	9.443	9.254
1455777	x at	Hs17b4	BB032410	Mm.277857	18	9.960	10.029	10.157	10.288	10.132	10.364	10.458	10.288	9.730	9.942	9.826	10.150	9.923	9.790	10.097	10.105	10.484	10.458	10.377	10.330	10.434	10.512	10.165	10.533
1455778	at	Snrp12	BB209502	Mm.291112	15	9.160	9.257	9.235	9.291	9.265	9.264	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265	9.265
1455779	at	Mtao1a	BQ175021	Mm.36501	2	8.080	8.120	7.859	8.056	8.010	7.892	7.999	8.125	8.122	8.232	8.159	8.256	8.251	8.241	8.045	8.042	7.954	7.949	8.035	7.981	8.777	8.121	8.088	8.101
1455780	at	Tll6	AI429241	Mm.249912	11	6.719	6.548	6.781	6.825	6.687	6.835	6.802	6.756	6.782	6.789	6.948	6.743	6.761	6.788	6.774	6.845	6.813	6.842	6.811	7.086	6.799	6.640	6.605	6.816
1455781	at	BC027231	AW067804	Mm.310573	16	6.792	6.759	6.924	6.901	6.968	6.957	6.923	6.734	7.130	6.950	6.633	6.925	6.771	6.954	6.848	6.947	7.027	7.252	7.131	6.920	6.883	6.991	6.617	7.045
1455782	at	Samd7	BE984591	Mm.308084	3	3.873	3.948	4.018	3.898	4.071	4.199	4.168	4.100	4.006	4.008	4.156	4.149	3.954	3.943	4.290	4.125	4.094	4.018	4.124	4.157	4.151	4.250	4.163	4.156
1455783	at	NA	AV361804	NA	NA	7.954	7.897	8.150	7.962	7.923	7.841	8.080	8.008	7.829	7.765	7.863	7.939	8.014	7.943	7.997	7.962	7.755	7.930	8.083	8.052	8.007	7.552	8.034	8.017
1455784	at	Sec1	AV282472	Mm.56914	7	7.227	7.220	7.165	7.154	7.107	7.121	7.171	7.281	7.110	6.966	7.395	7.045	7.181	7.137	7.22									

1455833	at	Afap1l12	BG068103	Mm.226284	19	6.922	7.134	7.071	7.000	7.007	6.972	7.208	6.988	6.991	7.188	7.132	7.060	7.160	7.222	7.131	7.035	6.994	7.008	7.208	6.969	6.907	6.886	6.979	6.747	
1455834	x at	Tacc3	BB787809	Mm.379024	5	6.507	7.479	6.342	6.751	6.956	6.544	6.942	7.767	7.572	7.287	7.553	6.971	6.983	7.691	6.876	6.269	6.608	6.652	6.770	6.751	6.375	6.929	6.232	6.324	
1455835	at	LOC100393935	AV167814	Mm.702	5	4.645	4.240	4.355	4.517	4.580	4.451	4.350	4.470	4.635	4.452	4.630	4.456	4.455	4.352	4.412	4.321	4.495	4.507	4.416	4.261	4.452	4.390	4.483	4.474	
1455836	at	Panola	BM230222	Mm.255877	12	8.570	9.192	8.554	8.658	8.720	8.703	8.585	8.591	8.912	8.717	8.697	8.626	8.742	8.896	8.576	8.601	8.617	8.521	8.605	8.648	8.458	8.684	8.587	8.812	
1455837	at	Ttrn3b5	AV2710627	Mm.271067	18	7.952	7.486	7.853	7.844	7.854	7.714	7.430	7.984	7.778	7.714	7.919	7.832	7.872	7.847	7.658	7.872	7.847	7.702	7.877	7.702	7.877	7.676	7.863	7.742	
1455838	at	Sfml1	AV279125	Mm.29788	4	7.421	7.106	7.127	7.203	7.161	7.177	7.208	7.449	7.181	7.152	7.249	7.093	7.308	7.260	7.107	7.125	7.172	7.327	7.225	7.565	7.319	7.182	6.963	7.028	
1455839	at	Utrn3l	BM211361	Mm.261022	1	9.263	10.205	9.371	9.300	9.663	9.301	9.312	9.584	10.243	10.135	9.775	9.786	9.860	10.201	9.415	9.346	9.248	9.207	9.146	8.865	9.102	9.299	9.250	9.146	
1455840	at	Raqof5	BM230524	Mm.227642	12	8.359	8.581	8.773	8.490	8.324	8.508	8.068	8.908	8.049	8.471	8.540	8.593	8.677	8.732	8.511	8.631	8.066	8.356	8.452	8.301	8.311	8.928	8.934	8.458	8.356
1455841	s at	Grwd1	BB251524	Mm.274847	7	8.899	9.704	8.796	8.681	8.718	8.506	8.921	9.214	9.109	8.872	9.821	8.858	8.767	9.478	8.809	8.665	9.178	9.058	8.796	8.698	9.106	9.189	8.818	8.882	
1455842	x at	Usp15	AV536567	Mm.244209	10	6.364	5.874	6.681	6.708	6.245	6.499	6.279	5.568	5.697	6.067	6.008	6.112	5.980	6.131	6.159	6.537	6.024	6.218	6.466	6.374	5.944	6.154	6.061	6.876	
1455843	at	Fut4	AV309809	Mm.63450	9	5.099	5.945	5.100	5.257	5.566	5.244	5.145	5.440	5.912	5.508	5.481	5.601	5.640	5.700	5.351	4.962	5.163	5.250	5.163	5.307	5.142	5.083	5.197	5.240	
1455844	at	Cables1	B1079333	Mm.40717	18	7.248	7.078	7.125	7.054	6.983	7.120	7.098	7.101	7.002	7.034	6.958	7.061	7.128	7.053	7.087	7.162	7.004	7.222	7.108	7.008	7.037	7.051	7.076	7.165	
1455845	at	Wscd1	AV099154	Mm.48648	11	6.744	7.002	6.918	7.313	6.956	7.133	7.318	7.503	7.068	7.036	7.101	7.399	7.457	7.227	7.285	7.058	7.791	7.636	7.254	7.347	7.093	7.540	7.183	7.203	
1455846	at	Aqo11	AV274889	Mm.29756	7	6.878	6.428	6.674	6.703	6.652	6.564	6.580	6.678	6.734	6.486	6.968	6.416	6.588	6.661	6.573	6.631	6.658	6.445	6.708	6.569	6.680	6.681	6.668	6.580	
1455847	at	Pak7	BM228403	Mm.131572	2	4.896	4.613	4.864	4.852	4.816	4.862	5.063	4.854	4.862	4.926	5.180	4.790	4.887	4.613	4.767	4.890	4.666	4.817	4.738	4.853	5.076	4.736	4.838	4.725	
1455848	at	Tmprss11a	BB524685	Mm.249106	5	4.417	4.372	4.419	4.561	4.420	4.379	4.479	4.625	4.271	4.415	4.325	4.146	4.147	4.296	4.433	4.328	4.360	4.388	4.432	4.792	4.280	4.419	4.466	4.427	
1455849	at	Nav1	BE980206	Mm.34977	1	8.243	8.524	8.387	8.168	8.274	8.232	8.101	8.558	8.579	8.556	8.469	8.565	8.644	8.606	8.346	8.322	8.111	8.091	8.223	8.142	8.048	8.167	8.057	7.882	
1455850	at	N310003H01Rk	BG073353	Mm.274890	11	8.674	8.515	8.712	8.655	8.691	8.546	8.595	8.577	8.426	8.471	8.389	8.529	8.515	8.300	8.241	8.565	8.990	8.895	8.850	8.679	8.767	8.816	8.498	7.876	
1455851	at	Bmp5	AV023115	Mm.473755	9	6.447	6.361	6.831	6.750	6.278	6.803	6.470	6.308	6.309	6.596	6.328	6.584	6.638	6.633	6.708	6.743	6.980	7.163	6.856	6.905	6.560	6.332	6.380	6.717	
1455852	at	Nsl1	BM206988	Mm.32504	1	5.271	5.728	5.264	5.273	5.512	5.254	5.214	5.464	5.391	5.409	5.525	5.236	5.229	5.299	5.273	5.059	5.128	5.294	5.257	5.404	5.267	5.160	5.319	5.137	
1455853	x at	Tspan31	BB768303	Mm.35650	10	5.834	5.932	5.831	5.796	5.515	5.796	5.822	5.850	5.709	5.629	5.574	5.666	5.599	5.830	5.969	5.939	5.948	5.793	5.961	5.732	5.851	5.586	5.966	6.206	
1455854	at	Ssh1	BB053082	Mm.389682	5	9.529	9.990	9.515	9.775	10.132	9.668	9.497	10.037	10.417	10.259	10.143	10.451	10.424	9.852	10.006	9.560	10.029	10.011	9.672	9.605	9.715	10.085	9.497	9.456	
1455855	x at	Aqx12l2	BB168316	Mm.471713	11	12.544	12.980	12.549	12.601	12.605	12.655	12.736	12.702	12.681	12.748	12.911	12.605	12.539	13.087	12.710	12.546	12.540	12.520	12.612	12.617	12.512	12.636	12.777	12.711	
1455856	at	Gm1965	BG067923	Mm.333241	6	6.564	6.313	6.495	6.376	6.551	6.452	6.656	6.393	6.436	6.366	6.590	6.454	6.420	6.431	6.492	6.599	6.570	6.518	6.488	6.675	6.455	6.532	6.485	6.475	
1455857	a at	Rab2b	BF466486	Mm.32870	14	7.469	7.225	7.403	7.221	7.244	7.414	7.351	7.347	7.442	7.383	7.397	7.334	7.260	7.358	7.366	7.349	7.249	7.353	7.461	7.580	7.334	6.961	7.462	7.264	
1455858	x at	Pomc	BB020616	Mm.277996	12	5.117	4.908	5.162	5.129	4.894	4.794	5.130	5.293	4.917	4.809	4.963	5.171	5.034	4.997	5.102	5.145	5.398	5.053	5.117	5.120	5.401	5.258	4.966	5.128	
1455859	at	A330021E22Rk	AV320021	Mm.268117	5	4.537	5.160	4.621	5.154	4.951	5.207	5.114	5.424	5.311	5.396	5.286	5.338	5.359	5.286	5.384	5.826	5.338	5.384	5.826	5.338	5.384	5.826	5.338	5.384	
1455860	at	Pvz2	BB732183	Mm.268117	6	7.425	7.135	7.425	7.135	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845	6.951	6.845
1455861	at	Epb4.1l5	AV307614	Mm.253156	1	7.664	7.386	7.769	7.663	7.561	7.689	7.601	7.461	7.311	7.458	7.237	7.365	7.352	7.282	7.542	7.653	7.679	7.627	7.631	7.606	7.656	7.792	7.532	7.549	
1455862	at	Ubt1d2	BB131620	Mm.260956	11	7.370	7.771	7.034	7.089	7.743	7.332	7.309	7.366	8.345	8.384	7.711	7.922	8.171	7.516	7.961	7.134	6.986	7.041	6.958	7.007	7.210	7.414	7.208	7.373	
1455863	at	Spatal15	AW215442	Mm.271306	2	3.893	4.094	3.931	3.893	4.397	3.792	3.851	3.865	4.001	3.823	4.447	3.773	3.986	3.741	4.356	3.874	3.869	3.930	3.748	3.766	4.388	3.968	4.058	4.252	
1455864	at	Trim75	BG069646	Mm.334557	8	5.037	4.593	5.078	5.107	4.746	4.929	5.099	4.904	4.962	4.935	4.959	4.692	4.943	4.975	4.950	5.097	4.981	4.963	4.965	5.284	5.051	4.883	5.050	5.028	
1455865	at	Inx1	BB468410	Mm.379070	2	3.817	3.729	3.791	3.906	3.750	3.562	3.851	3.800	3.811	3.807	3.724	3.731	3.688	3.772	3.678	3.786	3.831	3.830	3.970	3.978	4.067	3.759	3.944	3.853	
1455866	x at	Tsm1	AV300942	Mm.19169	18	3.971	4.124	3.910	3.860	3.995	3.807	3.859	4.242	4.066	3.925	4.015	4.172	3.997	3.914	3.906	3.744	4.082	3.976	3.974	3.757	4.108	4.086	4.050	3.782	
1455867	at	Fat2	BB366824	Mm.475174	15	6.564	6.699	6.632	6.930	6.813	6.646	6.826	7.356	7.793	6.676	6.956	6.576	6.550	6.975	7.287	7.347	7.297	7.347	7.297	7.347	7.297	7.347	7.297	7.347	
1455868	a at	Tbacq2	BB387906	Mm.40888	7	9.204	9.328	9.233	9.212	9.068	9.268	9.163	8.786	8.804	9.061	9.051	9.097	9.010	9.166	9.143	9.274	9.420	9.451	9.477	9.519	9.323	9.204	9.250	9.381	
1455869	at	NA	BG862223	NA	NA	7.983	8.761	8.217	8.259	7.982	7.804	7.225	8.963	6.962	6.727	7.988	8.066	8.793	7.805	8.548	8.304	7.156	8.100	7.857	7.064	7.156	7.310	7.210	6.963	
1455870	at	Aktap2	AI649044	Mm.331630	4	11.235	12.272	10.832	10.775	11.802	10.956	10.977	11.600	12.561	12.504	12.525	12.064	12.084	12.196	11.857	10.854	10.528	10.652	10.798	10.466	10.664	10.745	10.983	10.969	
1455871	s at	OTJMSUGO00000	AV139821	Mm.186	2	10.788	11.565	10.623	10.842	11.134	10.824	10.854	11.435	11.799	11.535	11.281	11.612	11.592	11.468	11.355	10.609	10.975	11.101	10.963	10.796	11.028	11.080	10.700	10.710	
1455872	at	Fam167a	BB151460	Mm.378762	14	5.768	5.713	5.736	5.555	5.406	5.670	5.563	5.542	5.459	5.868	5.952	5.600	5.584	5.794	5.764	5.634	5.586	5.870	5.620	5.672	5.653	5.594	5.500	5.746	
1455873	a at	Voss18	BB313038	Mm.294761	2	7.935	7.976	7.976	8.003	7.947	7.993	7.911	7.978																	

1455922	at	Rab3gap1	BG063904	Mm.261037	1	9.667	9.542	9.427	9.590	9.814	9.445	9.548	9.460	9.755	9.728	9.756	9.693	9.552	9.320	9.606	9.526	9.849	9.621	9.742	9.640	9.618	9.775	9.715	9.625
1455923	at	Kctd8	BM234821	Mm.234821	5	5.879	5.471	5.652	5.700	5.462	5.357	5.607	6.128	5.885	5.600	5.894	5.708	5.805	5.732	5.474	5.607	5.798	5.609	5.885	5.854	5.434	5.695	5.554	5.753
1455924	at	Rab6b	AV220161	Mm.335395	9	8.008	7.438	8.174	7.471	7.482	8.149	8.057	7.706	7.474	7.817	8.176	7.893	7.714	7.823	8.115	8.180	7.894	8.152	8.109	8.413	7.814	7.697	7.911	8.121
1455925	at	AV349236	AV349236	Mm.332511	5	4.696	4.618	4.787	4.862	4.561	4.715	4.736	4.776	4.631	4.635	4.788	4.699	4.669	4.548	4.917	4.651	4.740	4.837	4.720	4.812	4.893	4.460	4.584	4.594
1455926	at	Lsm5	BG949268	Mm.289494	9	6.539	6.530	6.738	6.377	6.223	6.610	6.382	6.695	6.170	6.287	6.662	6.323	6.388	6.638	6.231	6.816	6.656	6.418	6.645	6.596	6.593	6.288	6.446	6.550
1455927	x	at	Nsmc1	AV216677	Mm.4467	9	10.071	10.086	9.822	10.059	9.912	10.195	10.083	10.255	9.877	9.725	10.021	9.995	9.822	9.955	9.709	10.663	10.267	10.082	10.192	10.608	10.704	10.396	10.038
1455928	x	at	Lztr1	BH114402	Mm.161726	16	8.923	9.192	8.951	9.048	9.203	8.957	8.924	9.381	9.493	9.407	8.884	9.556	9.274	9.039	9.158	8.826	9.317	9.188	8.906	8.780	9.350	9.730	8.995
1455929	x	at	Pdp2r1a	BB397472	Mm.294138	17	12.980	13.142	13.033	12.879	12.895	13.039	13.007	12.856	12.979	12.985	12.983	12.871	12.844	13.055	12.953	12.825	12.709	12.905	12.946	12.938	12.781	12.825	12.930
1455930	at	NA	BI651113	NA	NA	9	7.955	8.677	7.494	7.865	8.171	7.350	8.112	8.561	8.575	8.150	8.063	8.498	8.580	7.737	7.878	7.572	8.397	8.046	7.453	7.414	8.298	8.229	8.000
1455931	at	Chrna3	BB460687	Mm.63569	9	5.325	5.275	5.458	5.246	5.261	5.268	5.119	5.083	5.038	5.031	5.327	5.122	5.218	5.313	5.344	5.226	5.120	5.271	5.197	5.271	5.234	5.321	5.189	5.380
1455932	at	Mtdh	BE989081	Mm.130883	15	8.354	8.272	8.401	8.275	8.374	8.287	8.272	8.504	8.097	8.285	8.319	8.222	8.288	8.221	8.236	8.295	8.337	8.382	8.311	8.365	8.326	8.230	8.221	8.274
1455933	at	NA	AV256955	NA	NA	9	7.614	7.172	7.724	7.550	7.258	7.358	7.418	7.213	6.981	7.115	7.122	7.274	6.731	6.796	7.299	7.672	7.267	7.256	7.265	7.200	7.179	7.107	7.593
1455934	at	Ndufr9	BI794783	Mm.322294	15	6.868	6.396	6.900	6.809	6.710	6.959	6.907	6.711	6.563	6.348	6.719	6.507	6.691	6.642	6.700	6.793	6.673	6.709	6.737	6.974	6.655	6.507	6.894	6.695
1455935	at	2410131K14Rik	B0175466	Mm.103428	5	7.711	8.096	7.674	7.755	7.762	7.702	7.877	7.405	7.383	7.555	7.453	7.592	7.390	7.676	7.592	7.672	7.630	7.958	7.794	7.872	7.574	7.246	7.598	7.548
1455936	a	at	Rbpm5	BG069460	Mm.323997	8	11.391	11.599	11.267	11.357	11.587	11.378	11.197	11.895	12.174	12.030	11.413	12.030	12.022	11.441	11.858	11.250	11.907	11.795	11.428	11.390	11.812	11.868	11.483
1455937	at	Lrrtm4	BB085030	Mm.473274	6	4.239	4.224	4.125	4.312	4.293	4.326	4.251	4.059	4.144	4.065	4.259	3.928	4.091	4.218	4.209	4.074	4.146	4.057	4.169	4.276	3.990	4.093	4.090	4.076
1455938	x	at	Rad21	AV025454	Mm.182628	15	8.479	8.650	8.656	8.473	8.279	8.551	8.819	8.676	8.230	8.676	8.331	8.531	8.183	8.541	8.718	8.353	8.365	8.379	8.245	8.161	8.678	8.939	8.703
1455939	x	at	Srp1a	AV091216	Mm.363404	2	12.022	12.175	11.903	12.005	12.172	11.897	12.006	12.260	12.354	12.142	11.971	12.487	12.305	11.978	11.951	11.901	12.404	12.308	12.144	11.947	12.358	12.546	11.877
1455940	x	at	Wdr6	BB483609	Mm.335454	9	8.551	9.746	8.941	9.105	9.466	9.158	9.038	9.328	9.687	9.422	7.917	9.708	9.666	9.291	8.866	9.007	9.538	9.439	9.149	8.602	8.720	9.200	7.809
1455941	s	at	Map2k5	BB025010	Mm.325746	9	8.321	8.439	8.383	8.346	8.382	8.352	8.274	8.186	8.093	8.340	8.026	8.382	8.145	8.230	8.329	8.418	8.485	8.410	8.302	8.319	8.214	8.392	8.344
1455942	at	Blf11	BB448023	Mm.31941	19	9.553	9.921	9.421	9.660	9.841	9.637	9.484	9.622	9.835	9.745	9.901	9.811	9.759	9.637	9.693	9.533	9.664	9.745	9.483	9.557	9.669	9.621	9.691	9.454
1455943	at	Zfp451	BB421061	Mm.289103	1	7.591	7.608	7.529	7.463	7.599	7.455	7.569	7.537	7.509	7.462	7.703	7.528	7.565	7.716	7.548	7.373	7.113	7.201	7.072	7.401	7.299	7.436	7.566	7.222
1455944	at	Zfp516	BB467812	Mm.326526	18	7.924	7.863	7.777	7.852	7.926	7.888	7.903	7.712	7.736	7.813	7.866	7.691	7.834	7.892	7.723	7.925	7.685	8.109	7.847	7.877	7.784	7.557	7.730	8.000
1455945	at	Zfp58	AV282347	Mm.441857	13	5.553	5.217	5.568	5.635	5.416	5.740	5.632	5.013	5.166	5.552	5.331	5.083	5.379	5.157	5.358	5.352	5.273	5.627	5.501	5.644	5.079	5.074	5.726	5.315
1455946	x	at	Tmsb10	AV148480	Mm.3532	6	4.221	4.602	4.254	4.119	4.268	4.238	3.921	4.385	4.441	4.491	4.552	4.615	4.448	4.547	4.402	4.323	4.327	4.197	4.235	4.283	4.305	4.174	4.284
1455947	at	NA	BB667208	Mm.54257	15	7.783	5.486	5.393	5.420	5.569	5.596	5.457	5.819	5.317	5.204	5.650	5.404	5.238	5.427	5.491	5.488	5.806	5.551	5.764	5.500	5.638	5.813	5.451	5.388
1455948	x	at	Matn3	Mm.42226	12	3.331	3.377	3.355	3.287	3.297	3.623	3.638	3.701	3.983	4.328	3.563	3.477	3.914	3.323	3.686	3.631	3.482	3.783	3.674	3.783	3.566	3.735	3.326	3.383
1455949	at	Nme7	BE989766	Mm.219428	1	7.560	7.268	7.473	7.473	7.344	7.527	7.462	7.344	7.527	7.462	7.344	7.527	7.462	7.344	7.527	7.462	7.344	7.527	7.462	7.344	7.527	7.462	7.344	7.527
1455950	x	at	Rpl3	AV172221	Mm.345333	2	11.520	12.313	11.342	11.406	11.615	11.476	11.421	12.420	12.378	12.032	11.664	11.911	11.847	11.944	11.457	11.085	12.053	11.865	11.322	11.251	11.950	12.024	11.057
1455951	at	Matr5	BM211104	Mm.28173	10	9.877	10.119	9.913	9.758	9.683	9.571	9.686	9.935	9.730	9.765	9.883	9.749	9.643	9.875	9.517	9.957	9.969	10.012	9.792	9.581	9.859	10.106	9.962	9.792
1455952	at	Adprh1	AI503324	Mm.132785	8	12.533	12.110	12.569	12.787	12.633	12.746	12.992	13.030	11.837	12.212	12.804	12.643	12.410	12.183	12.723	12.500	13.202	12.922	12.671	13.023	13.321	12.219	13.040	12.973
1455953	x	at	Pstk	BF320427	Mm.272948	7	5.074	5.046	5.117	5.268	5.073	4.984	5.107	5.127	4.406	4.840	4.517	5.081	4.626	4.366	5.017	5.059	5.002	5.426	5.074	4.828	5.069	5.111	5.010
1455954	x	at	Gnaa1	BB332286	Mm.5903	15	8.671	8.825	8.637	8.627	8.610	8.576	8.549	8.557	8.622	8.585	8.499	8.521	8.504	8.540	8.526	8.706	8.666	8.596	8.560	8.600	8.606	8.653	8.584
1455955	s	at	Sna17	BB041005	Mm.6118	5	12.914	13.159	12.800	12.862	12.984	12.975	12.918	12.951	13.230	13.053	12.998	13.049	13.125	12.929	12.824	12.939	13.078	13.063	12.960	12.910	12.872	12.875	12.714
1455956	s	at	Map2k5	BB025010	Mm.325746	15	10.441	10.833	10.421	10.337	12.456	10.647	7.799	13.386	10.874	10.426	11.037	11.799	11.844	10.476	10.922	10.364	11.381	10.326	11.226	11.242	10.842	11.246	11.140
1455957	x	at	Ceacam11	AV034167	Mm.36666	7	4.570	4.390	4.667	4.573	4.560	4.551	4.667	4.536	4.543	4.499	4.529	4.445	4.606	4.485	4.773	4.519	4.616	4.728	4.616	4.819	4.648	4.468	4.757
1455958	s	at	Rad9b	AI881989	Mm.255587	5	12.097	11.774	12.452	12.398	11.937	12.231	12.199	11.887	11.125	11.535	11.678	11.802	11.434	11.643	11.791	12.373	12.276	12.483	12.431	12.391	12.106	12.100	12.184
1455959	s	at	Glc1	AV082535	Mm.89888	9	8.799	8.862	8.809	8.546	8.737	8.779	8.806	8.731	8.660	8.616	9.150	8.696	8.734	8.885	8.674	8.814	8.623	8.796	8.811	8.757	8.789	8.965	8.816
1455960	at	Medf9	BB483642	Mm.251188	4	7.586	7.754	7.289	7.436	7.772	7.437	7.408	7.635	7.226	7.307	7.084	7.543	7.259	7.247	7.333	7.381	7.773	7.622	7.511	7.581	7.611	7.917	7.191	
1455961	at	NA	AV174022	NA	NA	7	7.168	6.747	7.430	7.532	7.149	7.941	8.413	6.860	6.128	6.930	6.100	6.334	6.158	6.651	6.897	7.326	7.427	7.748	7.746	7.549	7.545	7.260	
1455962	at	Hhat	BB751267	Mm.145857	1	6.535	6.930	6.758	6.590	7.045	6.769	6.765	6.669	7.059	7.393	6.711	7.103	7.491	7.031	7.091	6.								

1456011	x	at	Acaa1a	BB210491	Mm.205266	9	7.787	7.867	7.729	7.903	7.630	7.874	7.671	7.784	7.412	7.393	7.220	7.725	7.506	7.282	7.678	7.592	8.041	8.182	7.781	7.668	8.212	8.487	7.863	7.965	
1456012	x	at	Rnase12b	AV101824	Mm.181237	17	12.219	12.330	12.316	12.518	12.099	12.130	12.005	12.555	12.067	11.887	12.157	12.121	12.064	12.078	12.014	12.241	12.390	12.145	11.794	11.648	12.447	12.513	11.998	11.918	
1456013	x	at	Slc35a4	BB396486	Mm.273350	18	9.288	10.104	9.540	9.931	9.447	9.689	9.615	9.442	9.346	9.508	9.715	9.411	9.184	9.802	9.329	9.316	9.193	9.734	9.520	9.463	9.478	9.258	9.484	9.417	
1456014	s	at	Trp1	BB113173	Mm.391161	19	7.462	7.553	7.390	7.982	8.427	7.849	7.877	8.350	9.425	8.841	8.079	8.489	8.277	9.113	7.700	7.288	7.486	6.983	7.128	6.392	7.903	7.887	6.827	6.907	
1456015	x	at	Ndufr1	AV229218	Mm.239424	19	14.119	13.708	14.241	14.224	13.922	14.233	14.184	13.928	13.306	13.658	13.871	13.920	13.734	13.711	14.046	14.250	14.330	14.192	14.238	14.276	14.221	14.243	14.273	14.279	
1456016	x	at	BC005624	BB310974	Mm.235238	2	5.877	6.095	6.32	6.291	6.094	5.909	6.069	6.061	6.022	6.109	5.708	6.188	5.970	6.039	6.161	5.976	5.913	5.883	5.849	5.857	6.286	5.916	6.207		
1456017	x	at	Obox1	BB701789	Mm.26391	7	5.693	5.443	5.528	5.589	5.471	5.561	5.498	5.506	5.569	5.505	5.598	5.325	5.313	5.498	5.499	5.719	5.504	5.316	5.417	5.738	5.488	5.449	5.384		
1456018	at		Brdr	BB757933	Mm.278509	13	9.818	9.769	9.758	9.762	9.846	9.918	9.761	9.795	9.785	9.842	9.814	9.718	9.823	9.686	9.826	9.720	9.957	9.860	9.951	9.889	9.673	9.903	9.812	9.786	
1456019	at		Cwf1912	AV370154	Mm.245482	9	9.168	9.064	9.220	9.198	9.142	9.243	9.469	9.348	9.007	9.228	8.646	9.290	8.979	9.190	9.355	9.276	9.335	9.309	9.434	9.331	9.262	9.588	9.973	9.399	
1456020	at		Sh3tc2	BB487775	Mm.262320	18	7.647	7.377	7.408	7.607	7.595	7.324	7.597	7.657	7.479	7.454	7.753	7.553	7.731	7.573	7.676	7.384	7.664	7.754	7.466	7.786	7.771	7.768	7.823	7.521	
1456021	at		Atf6	BB129063	Mm.377046	1	9.831	9.548	10.016	9.649	9.643	9.939	9.949	9.489	9.728	9.414	9.580	9.901	9.750	9.565	9.321	9.679	10.187	9.515	9.439	9.423	9.439	9.672	9.768	9.820	9.840
1456022	at		Hif3c1	BB554636	Mm.23790	6	11.099	11.618	10.780	11.026	11.780	10.935	10.808	11.207	11.843	11.627	11.167	11.570	11.476	10.856	10.938	10.844	11.344	11.217	10.834	10.853	11.092	11.316	10.704	10.901	
1456023	at		2210010B09Rik	BE949230	Mm.86627	9	4.755	4.538	4.702	4.648	4.605	4.409	4.510	4.546	4.680	4.755	4.415	4.493	4.925	4.648	4.566	4.574	4.891	4.656	4.513	4.603	4.488	4.605	4.595	4.674	
1456024	at		Gtfc2	BB821611	Mm.294173	7	6.124	5.844	5.797	5.898	5.793	5.763	5.806	5.935	5.856	5.751	5.734	5.755	5.785	5.788	5.747	5.755	5.640	5.852	5.790	5.908	6.020	5.940	5.873	5.980	
1456025	at		Dckc1	BG228898	Mm.44490	3	7.081	6.736	6.918	7.031	6.776	6.837	7.029	6.924	6.773	6.550	6.887	6.758	6.724	6.739	6.755	6.835	6.743	6.684	6.854	6.927	7.094	6.812	6.939	6.996	
1456026	at		Nhlrc3	AV303159	Mm.85744	3	8.001	8.449	8.143	8.202	8.493	8.392	8.325	8.043	8.468	8.662	8.078	8.491	8.443	8.608	8.252	8.343	8.195	8.248	8.277	8.158	8.072	8.166	8.167	8.234	
1456027	at		Rbm41	AV315180	Mm.256670	X	8.076	8.227	8.104	8.116	8.055	8.141	8.186	7.985	8.197	8.250	8.065	8.045	8.006	8.129	8.208	8.044	8.191	8.090	8.090	8.209	8.007	8.275	8.133	8.121	
1456028	x	at	Marcks	BB454540	Mm.30059	10	8.378	9.352	8.460	8.634	9.052	8.715	8.509	8.587	9.572	9.709	8.616	9.560	9.446	9.175	9.243	8.284	8.150	8.466	8.339	8.374	8.185	8.282	8.308	8.212	
1456029	a	at	Tcf7b	AV543761	Mm.295441	12	6.373	6.249	6.361	6.215	6.548	6.269	6.293	6.054	5.954	6.278	6.354	6.193	6.268	6.244	6.345	6.329	6.086	6.265	6.255	6.405	6.276	5.837	6.209	6.421	
1456030	at		Kif13	BE949230	Mm.240473	7	7.118	6.650	6.881	7.021	6.788	6.994	6.967	6.949	6.791	6.717	7.050	6.770	6.960	6.860	6.768	6.846	7.028	6.658	6.697	7.008	7.122	7.007	7.006	6.886	
1456031	at		Fam166a	AV047644	Mm.476051	2	5.578	4.884	4.864	5.615	5.312	5.593	5.763	5.523	5.339	5.083	5.874	5.391	5.450	5.347	5.558	5.371	5.199	5.585	5.585	6.041	5.542	5.155	5.335	5.764	
1456032	x	at	H2afz	AV215230	Mm.117541	3	9.260	10.591	9.036	9.260	9.628	9.255	9.460	10.145	10.273	10.067	9.666	9.676	9.611	10.090	9.473	8.983	9.400	9.296	9.005	8.665	9.487	9.661	9.223	9.161	
1456033	at		Tbx4	AV226212	Mm.275336	11	4.999	4.982	5.004	5.148	5.198	5.253	5.160	4.889	5.093	5.136	4.943	5.014	4.953	5.356	5.065	5.396	5.220	5.283	5.115	5.214	5.086	5.286	5.066		
1456034	at		Tlx18	AV252563	Mm.159759	14	4.604	4.432	4.434	4.579	4.536	4.393	4.343	4.473	4.498	4.342	4.376	4.423	4.480	4.534	4.327	4.459	4.413	4.393	4.393	4.448	4.673	4.482	4.465	4.468	
1456035	at		Nrx3	BM236468	Mm.336244	X	4.711	4.592	4.488	4.592	4.416	4.595	4.474	4.693	4.604	4.590	4.541	4.589	4.639	4.603	4.527	4.609	4.619	4.668	4.610	4.627	4.755	4.457	4.495	4.728	
1456036	x	at	Gstol	AV003026	Mm.378931	19	11.623	12.172	11.845	11.806	12.144	11.658	11.890	12.267	12.777	12.570	12.116	12.642	12.059	12.193	12.378	11.767	12.135	12.331	12.149	12.112	12.300	12.550	12.293	12.376	
1456037	x	at	Ube2f	BB225012	Mm.289424	5	9.622	9.423	9.403	9.393	9.101	9.174	9.063	9.351	9.186	9.453	8.950	8.853	9.250	8.878	9.270	8.848	9.173	9.214	9.270	9.270	9.270	9.270	9.270	9.270	
1456038	at		Fbx4	BB003709	Mm.40708	8	8.091	8.199	8.406	8.453	8.048	8.332	8.206	8.083	8.333	8.368	8.137	8.333	8.134	8.484	8.333	8.547	8.183	8.303	8.547	8.362	8.122	8.356	8.267	8.348	
1456039	at		Snx14	BB404318	Mm.439873	9	8.586	8.677	8.791	8.447	8.701	8.605	8.543	8.736	9.008	9.051	8.476	9.002	8.988	8.803	8.827	8.707	8.614	8.525	8.662	8.542	8.611	8.261	8.883		
1456040	at		Sf3b2	BB473131	Mm.196532	19	9.891	10.101	10.128	10.117	10.109	10.273	10.007	9.458	9.658	10.009	9.804	9.921	9.776	10.154	10.184	10.246	9.866	9.895	10.238	10.292	9.629	9.570	10.151	10.311	
1456041	at		Snx16	BB815008	Mm.440548	3	8.692	8.380	8.731	8.419	8.126	8.278	8.527	8.450	8.288	8.704	8.153	8.496	8.308	8.099	8.503	8.742	8.374	8.305	8.104	8.342	8.728	8.928	8.847	8.932	
1456042	s	at	Crampl1	BF179047	Mm.328854	17	9.564	9.663	9.852	9.760	9.933	9.832	9.736	9.846	9.858	9.928	9.855	9.913	9.703	9.855	9.970	9.794	10.037	9.868	9.674	9.813	9.936	10.287	10.065	9.825	
1456043	at		Usp22	BE951601	Mm.30602	11	5.990	6.744	7.089	7.269	6.912	7.144	7.015	6.455	6.800	7.142	6.770	6.687	6.819	7.215	7.147	7.192	7.120	6.632	6.740	7.060	6.618	7.274	7.304		
1456044	at		Nod4l	BB309512	Mm.98668	18	5.584	5.271	5.520	5.394	5.462	5.587	5.561	5.262	5.430	5.301	5.484	5.394	5.463	5.311	5.524	5.692	5.458	5.674	5.689	5.848	5.523	5.828	5.574	5.755	
1456045	at		2210010B22Rik	BE949230	Mm.275473	17	7.32	6.896	6.345	7.024	6.983	6.895	7.837	6.955	6.722	6.819	6.966	6.743	6.973	6.959	6.548	6.430	6.414	6.393	6.404	6.393	6.404	6.393	6.404	6.393	
1456046	at		Cd93	AV319144	Mm.681	2	10.502	11.175	10.578	10.697	11.011	10.536	10.550	11.467	11.242	11.224	11.532	11.116	11.307	11.491	11.202	10.605	10.798	10.608	10.635	10.777	10.517	10.646	10.546	10.321	
1456047	at		Plaq2ab	BB151104	Mm.458587	2	4.871	4.865	5.042	4.916	5.030	4.717	4.978	4.909	5.043	4.928	4.841	4.802	4.970	4.815	4.900	4.781	4.843	4.893	4.897	4.932	5.231	4.887	4.872	5.043	
1456048	at		Cpeb3	BB281000	Mm.391176	19	10.556	9.278	10.571	10.760	9.737	10.716	10.317	9.508	8.278	8.854	8.898	9.374	8.970	9.321	9.587	10.642	10.336	10.557	10.616	10.824	10.344	10.294	10.915	10.672	
1456049	at		Rala	AV118421	Mm.27348	13	6.645	6.461	6.507	6.762	6.523	6.511	6.642	6.309	6.447	6.606	6.605	6.543	6.613	6.798	6.178	6.195	6.540	6.348	6.287	6.658	6.731	6.570	6.525	6.424	
1456050	at		BC08998	BG066927	Mm.441767	12	8.599	7.987	8.112	7.679	7.599	8.105	7.997	7.704	7.673	7.805	7.842	7.820	8.011	8.000	8.068	8.012	7.737	7.812	8.071						

1456100	at	BC089491	AV279316	Mm.212777	7	7.958	7.730	7.843	7.912	7.854	7.824	7.862	7.810	7.850	7.761	7.824	7.887	7.893	7.905	7.901	8.019	8.033	7.935	8.092	8.001	8.093	7.991	7.987	7.879	
1456101	at	4930403N07Rik	AV048064	Mm.475741	12	3.878	3.987	3.973	3.962	4.047	3.827	3.957	3.878	3.944	3.870	3.853	4.043	3.917	3.797	3.911	3.863	3.909	3.797	3.909	4.017	3.874	3.978	3.985	4.213	
1456102	a	at	Cul5	BB257147	Mm.218910	9	8.149	8.275	7.767	7.884	7.851	7.787	7.916	8.526	8.125	7.846	7.770	8.065	7.828	7.528	7.740	7.864	8.587	8.282	8.027	7.993	8.612	8.807	7.915	7.914
1456103	at	Pml	BB667149	Mm.392123	9	6.762	7.846	6.650	7.036	7.227	6.935	6.772	7.205	7.663	7.687	7.016	7.389	7.366	7.357	6.790	6.675	7.378	7.013	6.737	6.533	6.902	7.182	7.867	6.715	6.740
1456104	at	Pend11	BB940498	Mm.250539	11	6.539	6.430	6.325	6.364	6.487	6.492	6.495	6.529	6.495	6.488	6.596	6.330	6.521	6.446	6.389	6.446	6.523	6.389	6.446	6.414	6.333	6.533	6.428	6.560	
1456105	at	Rc2h2	BM219027	Mm.288785	2	5.066	5.072	4.953	5.044	4.979	4.572	4.550	5.074	5.242	5.306	4.759	4.848	5.134	4.842	5.067	4.936	5.190	4.793	4.793	5.034	4.938	5.146	4.703	4.730	
1456106	x	at	Sdcoc3	BB343189	Mm.253771	2	5.686	5.370	5.514	5.547	5.566	5.607	5.288	5.164	5.556	5.484	5.457	5.208	5.505	5.474	5.579	5.411	5.602	5.470	5.398	5.216	5.357	5.710	5.765	
1456107	x	at	Eltud2	BB448795	Mm.873	11	10.451	10.682	10.304	10.337	10.425	10.390	10.390	10.525	10.495	10.444	10.319	10.548	10.437	10.709	10.389	10.133	10.403	10.553	10.471	10.398	10.414	10.528	10.323	10.240
1456108	x	at	Rnf112	BB546771	Mm.89201	11	4.290	3.973	4.099	4.165	3.891	4.049	4.091	3.931	3.979	4.047	4.108	3.950	3.935	4.052	4.150	4.159	4.079	4.061	4.122	4.159	4.066	3.957	4.177	4.117
1456109	a	at	Mros15	BB314055	Mm.195628	4	9.779	9.906	9.885	9.815	9.800	9.831	9.761	9.931	9.639	9.553	9.987	9.703	9.579	9.326	9.591	9.801	10.208	10.243	9.992	9.720	10.108	10.369	9.810	9.790
1456110	at	At	Ankrd11	BB320513	Mm.31567	8	10.129	10.163	10.045	10.150	10.286	10.076	10.041	10.226	9.898	9.823	9.971	10.248	9.964	9.801	9.913	10.086	10.410	10.308	10.154	10.079	10.193	10.436	10.129	10.056
1456111	at	DR930028F11Rik	BB072624	Mm.325522	9	8.907	8.090	8.843	8.770	8.368	8.792	8.193	8.484	5.580	5.874	8.107	9.463	8.309	8.276	8.134	8.739	5.104	7.948	7.706	7.924	4.739	8.362	7.779	7.750	
1456112	at	Tip1	AW554765	Mm.174255	1	10.808	10.928	10.618	10.659	10.800	10.577	10.601	11.255	10.718	10.683	10.635	10.939	10.848	10.587	10.611	10.611	11.112	10.878	10.675	10.658	11.116	11.320	10.602	10.462	
1456113	at	Tbc12d5	BB217983	Mm.294680	X	8.486	8.658	8.505	8.325	8.385	8.343	8.378	8.527	8.395	8.662	8.688	8.544	8.500	8.412	8.562	8.453	8.224	8.397	8.248	8.245	8.282	8.104	8.347	8.419	
1456114	at	Cds1	BI152841	Mm.46764	5	7.126	7.202	6.993	6.677	6.746	6.617	6.844	6.833	6.781	7.089	6.636	6.779	6.757	6.904	6.736	6.917	6.687	6.566	6.692	6.506	6.783	6.617	6.626	6.794	
1456115	at	Phf3	BF722009	Mm.194486	1	6.243	5.745	5.956	6.156	6.066	5.958	6.065	6.019	6.068	5.818	6.166	5.910	6.111	6.242	6.085	6.046	6.246	6.043	6.172	6.052	6.093	5.993	6.050	5.985	
1456116	at	Ctnnd2	BB431091	Mm.321648	15	5.679	5.410	5.504	5.756	5.639	5.609	5.753	5.625	5.561	5.441	5.691	5.688	5.609	5.642	5.521	5.670	5.548	5.567	5.567	5.634	5.553	5.609	5.698	5.597	
1456117	at	Rrp1b	AV228374	Mm.102761	17	7.910	8.115	7.977	7.852	7.787	7.857	7.888	7.771	7.907	7.887	7.872	7.656	7.689	7.958	7.790	7.902	7.742	7.858	7.691	7.921	7.787	7.865	8.093	7.870	
1456118	at	Mert12	BC065001	Mm.270091	11	8.164	8.492	8.382	8.229	8.343	8.182	8.217	8.145	8.322	8.587	5.998	8.512	8.343	8.212	8.282	8.343	8.226	8.274	8.266	8.225	8.333	8.408	8.357		
1456120	at	3111000120Rik	BB427489	Mm.138091	2	6.527	6.739	6.424	6.762	6.977	6.582	6.515	6.759	7.102	6.452	6.688	7.031	6.848	6.629	6.463	6.484	7.131	6.831	6.574	6.595	6.903	7.049	6.655	6.253	
1456121	at	Cep97	BM224149	Mm.178427	16	5.226	4.960	4.989	5.481	5.433	5.438	5.279	5.311	5.184	5.421	4.518	5.416	5.494	5.170	5.291	5.282	5.671	5.455	5.281	5.229	5.421	5.556	5.144	5.445	
1456122	at	Na	BM196783	NA	NA	7.549	7.392	7.705	7.912	7.430	7.613	7.754	7.497	7.140	7.318	7.164	7.579	7.242	7.306	7.466	7.711	8.099	7.417	7.613	7.714	7.561	8.041	7.260	7.613	
1456123	at	AI481121	BB498095	Mm.442603	2	3.786	3.647	3.751	3.819	3.722	3.653	3.841	3.591	3.601	3.721	3.855	3.733	3.671	3.710	3.717	3.782	3.770	3.661	3.737	3.598	3.698	3.712	3.826	3.675	
1456124	x	at	Svs5	BB799136	Mm.140154	2	5.367	4.898	5.223	5.280	4.977	4.927	5.119	5.151	5.164	4.883	5.099	5.038	5.011	5.045	4.996	5.037	5.060	4.875	4.897	4.937	5.505	5.074	5.094	5.139
1456125	a	at	Dvyn11	AV006937	Mm.256858	5	11.861	12.957	11.385	11.656	12.794	11.740	11.559	12.663	13.351	13.135	12.738	13.126	13.152	12.944	12.668	11.348	11.856	11.824	11.549	11.163	11.933	12.056	11.756	11.427
1456126	at	At	BC048575	Mm.382613	18	8.168	7.268	7.448	7.262	7.231	6.752	7.231	6.752	7.333	7.609	7.450	7.450	6.702	6.702	6.592	6.592	6.587	6.587	6.587	6.587	6.587	6.587	6.587	6.587	6.587
1456127	at	Cnrv1	AV292966	Mm.256858	4	8.874	8.792	8.960	8.960	8.796	8.796	8.796	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958	8.958
1456128	at	Ata502	AW413339	Mm.10314	15	5.528	5.474	5.563	5.459	5.339	5.629	5.549	5.355	5.367	5.402	5.388	5.459	5.534	5.340	5.490	5.865	5.682	5.501	5.621	5.681	5.535	5.649	5.571	5.784	
1456129	at	Vwa3a	BB667168	Mm.389939	7	8.518	7.906	8.330	8.286	8.147	8.161	8.157	8.465	8.080	7.927	8.264	8.072	8.100	8.122	8.164	8.323	8.244	8.363	8.365	8.159	8.293	8.181	8.419		
1456130	at	LOC553091	BC068075	Mm.11989	NA	6.952	7.382	7.416	6.701	8.059	6.943	7.106	7.364	8.642	9.417	7.216	8.059	8.492	7.191	8.159	7.193	7.139	7.469	7.676	6.791	7.332	7.939	7.496	7.443	
1456131	x	at	Dna1	BB131357	Mm.7524	9	11.198	11.061	11.550	11.468	11.340	11.427	11.257	10.617	10.865	11.261	11.032	11.144	11.205	11.139	11.422	11.538	10.898	11.248	11.583	11.534	10.947	10.716	11.503	11.637
1456132	x	at	Sct22d1	AV009804	Mm.153272	14	3.949	3.685	3.866	3.778	3.685	4.060	3.884	3.769	3.639	3.650	4.048	3.780	3.682	3.748	3.936	3.806	3.732	3.725	4.012	3.881	3.908	4.038	3.868	4.096
1456133	x	at	Itob5	BB543646	Mm.6424	16	11.207	11.787	11.073	11.314	12.048	11.289	11.018	11.593	12.648	12.510	11.415	12.736	12.842	11.806	12.179	11.111	11.662	11.597	11.508	11.456	11.463	11.533	11.315	11.178
1456134	x	at	Via1a	BB124395	Mm.226957	19	8.951	9.195	8.551	9.293	9.236	9.298	9.875	10.024	10.088	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875	9.875
1456135	s	at	Pxn	BB030678	Mm.18714	5	10.558	10.780	10.583	10.506	10.757	10.570	10.554	10.792	11.000	10.896	11.222	10.983	10.911	11.050	10.951	10.500	10.668	10.526	10.299	10.350	10.746	11.054	10.858	10.610
1456136	at	100042970	BC067065	Mm.335713	17	4.349	4.316	4.212	4.167	4.364	4.227	4.071	4.419	4.317	4.277	4.371	4.541	4.208	4.314	4.292	4.168	4.167	4.325	4.081	4.119	4.044	4.142	4.261	4.129	
1456137	at	Nrxn3	BB132137	Mm.425766	12	4.423	4.279	4.442	4.230	4.254	4.312	4.330	4.277	4.149	4.222	4.307	4.254	4.393	4.342	4.513	4.466	4.221	4.383	4.351	4.437	4.277	4.269	4.321	4.108	
1456138	at	Lypd6	BB541620	Mm.130607	2	5.513	6.115	5.418	5.490	5.556	5.562	5.396	5.419	6.446	6.422	5.384	5.552	5.722	5.853	5.524	5.527	5.397	5.403	5.402	5.493	5.402	5.330	5.416	5.426	
1456139	at	Alr	BM124989	Mm.382063	17	8.530	8.689	8.446	8.469	8.559	8.217	8.234	8.502	8.936	8.798	9.001	8.552	8.310	8.272	8.587	8.332	8.363	8.473	8.117	7.941	8.357	8.658	8.351	8.033	
1456140	at	LOC100045988	BM199323	NA	14	5.631	5.200	5.708	5.370	5.441	5.414	5.235	5.322	5.504	5.330	5.452	5.190	5.531	5.431	5.435	5.546	5.581	5.531	5.534	5.591	5.534	5.591	5.534	5.591	

1456189	x	at	Ltbp3	BB173900	Mm.182396	19	5.717	6.098	5.343	5.610	6.142	5.731	5.099	5.967	6.769	6.739	5.539	7.129	6.572	6.417	6.546	5.771	5.604	5.391	5.293	5.711	4.920	5.265		
1456190	a	at	Acs2m	BB745805	Mm.268448	7	6.129	5.563	6.070	5.903	5.834	6.375	6.191	5.868	5.898	5.723	5.926	5.760	5.810	5.963	6.130	5.973	6.059	5.879	5.975	6.265	5.894	5.759	6.018	5.952
1456191	x	at	Pascin3	BB828106	Mm.236650	2	9.703	10.257	9.736	9.687	9.920	9.680	9.874	10.153	9.957	10.122	9.879	10.182	9.910	9.952	9.999	9.854	10.002	9.829	9.788	9.787	10.124	9.879	9.692	9.847
1456192	x	at	Cvot3	AV209112	Mm.46095	X	7.654	6.996	7.270	7.352	7.147	7.224	7.398	7.428	7.100	6.867	7.467	7.004	7.221	7.364	7.091	7.335	7.392	7.560	7.322	7.491	7.293	7.270	7.378	7.503
1456193	x	at	Gp4k	AV116973	Mm.359573	10	13.615	13.597	13.563	13.675	13.744	13.556	12.530	13.760	13.569	13.554	13.355	13.857	13.688	13.526	13.640	13.631	13.863	13.763	13.616	13.687	13.797	13.623	13.538	
1456194	a	at	Par7k	BB255468	Mm.277349	4	12.376	12.653	12.652	12.590	12.531	12.713	12.662	12.765	12.478	12.565	12.626	12.559	12.569	12.655	12.628	12.558	12.586	12.528	12.587	12.483	12.432	12.332	12.186	12.387
1456195	x	at	Iktb5	BB543979	Mm.6424	16	9.014	9.980	9.042	9.295	10.269	9.357	8.747	9.809	10.980	10.888	9.541	11.038	11.129	9.866	10.270	9.998	9.859	9.773	9.452	9.280	9.572	9.836	9.199	9.177
1456196	x	at	Fkbp1a	AV038603	Mm.278458	2	12.330	12.789	12.309	12.362	12.691	12.399	12.407	12.701	12.906	12.826	12.671	12.657	12.725	12.814	12.652	12.126	12.255	12.289	12.372	12.202	12.343	12.361	12.361	12.245
1456197	x	at	Aiap1	BB342782	Mm.318874	4	4.485	4.572	4.482	4.489	4.539	4.424	4.496	4.481	4.515	4.438	4.424	4.494	4.435	4.450	4.541	4.515	4.485	4.544	4.576	4.659	4.473	4.490	4.428	4.373
1456198	at		1810007D17R1k	AV051954	Mm.396318	19	4.026	3.930	3.960	3.753	3.871	3.815	3.974	3.822	3.862	3.832	3.809	3.782	3.943	3.717	4.058	3.862	3.917	3.863	3.782	4.001	4.021	3.916	3.906	3.898
1456199	x	at	Ranbp9	BB106402	Mm.148781	13	10.021	9.935	10.164	10.062	10.018	10.040	9.920	10.012	10.056	10.324	9.874	10.040	10.086	9.798	10.139	10.275	9.836	9.859	9.875	9.735	10.056	10.214	10.183	10.149
1456200	at		lpmk	BM225636	Mm.245667	10	7.633	7.887	7.813	7.818	7.788	7.854	7.960	7.773	7.775	7.627	7.878	7.753	7.555	7.719	7.759	7.737	7.798	7.910	7.854	7.857	7.797	7.996	7.993	7.911
1456201	at		14562017E13R1k	BB464034	Mm.292102	7	9.141	8.800	9.050	8.979	8.904	9.049	9.007	8.620	8.683	8.964	8.762	8.614	8.733	8.601	8.695	9.067	8.736	8.971	8.685	8.816	8.845	8.855	8.901	8.831
1456202	at		Elfn2	AV330559	Mm.323188	15	6.198	5.994	6.051	6.158	6.066	5.943	6.054	6.218	6.136	5.869	6.170	6.106	6.057	6.045	5.853	6.099	6.287	6.074	6.176	6.269	5.943	6.046	6.082	6.058
1456203	at		1110020A10R1k	Ai507491	Mm.476135	18	4.617	4.530	4.836	4.453	4.419	4.489	4.416	4.555	4.668	4.495	4.733	4.325	4.753	4.572	4.572	4.422	4.525	4.850	4.570	4.927	4.596	4.449	4.484	4.451
1456204	at		Snhq8	AV069567	Mm.379116	14	9.858	10.079	9.793	9.891	9.786	9.818	9.747	10.148	9.651	9.379	9.552	9.863	9.592	9.362	9.421	9.711	10.791	10.697	9.925	9.937	10.679	10.665	9.969	9.676
1456205	x	at	Tbca	BB559082	Mm.379025	13	11.480	11.836	11.535	11.540	11.671	11.550	11.662	11.846	11.936	11.803	11.720	11.935	11.746	11.890	11.688	11.373	11.515	11.531	11.539	11.381	11.658	11.336	11.456	11.434
1456206	at		NA	BE952094	NA	NA	5.457	5.351	4.893	5.518	5.368	4.951	5.238	5.212	5.411	5.426	5.284	5.436	5.274	5.233	5.145	5.096	5.275	5.320	5.145	5.001	5.361	5.198	5.292	5.300
1456207	at		Mtcp1	BB405150	Mm.16366	X	5.396	5.022	5.496	5.112	5.043	5.530	5.726	4.794	4.806	5.136	4.790	5.130	4.951	5.026	5.495	5.549	5.203	4.917	5.040	5.332	5.011	5.170	5.859	5.603
1456208	at		AS30057A03R1k	B1407212	Mm.440454	2	5.495	5.146	5.224	5.401	5.440	5.299	5.321	5.516	5.600	5.209	5.753	5.319	5.335	5.358	5.116	5.224	5.586	5.427	5.443	5.627	5.423	5.330	5.564	5.023
1456209	x	at	NA	BB076850	NA	NA	9.763	9.364	9.549	9.716	9.908	9.553	9.271	9.029	9.460	9.439	9.494	9.433	9.648	9.279	9.319	9.602	9.469	9.411	9.342	9.509	9.347	9.486	9.902	9.675
1456210	at		5430407P10R1k	AV222628	Mm.133542	2	8.066	8.018	7.841	7.507	7.865	7.296	7.471	9.239	7.685	8.059	7.803	8.032	8.143	7.543	8.214	7.883	7.948	7.755	7.684	8.733	8.967	8.444	8.428	8.928
1456211	at		Nlrp10	BB003937	Mm.37991	7	7.776	7.920	8.152	8.100	7.786	8.354	8.235	7.452	7.046	8.080	7.335	7.743	7.741	7.905	7.929	8.212	7.948	7.816	8.316	8.224	7.509	7.356	8.448	9.078
1456212	x	at	Socs3	BB831725	Mm.3468	11	10.257	9.279	9.072	8.540	8.269	8.951	8.718	8.795	9.935	9.507	12.315	8.661	8.727	9.375	8.848	9.089	7.453	7.634	8.206	7.408	7.311	7.492	9.047	9.488
1456213	x	at	Oars	BB314594	Mm.272427	9	10.561	10.291	10.374	10.301	10.188	10.198	10.436	10.378	10.104	10.102	10.088	10.060	10.180	10.199	10.506	10.442	10.309	10.303	10.430	10.358	10.380	10.180	10.292	10.407
1456214	at		Pcdh7	BB197591	Mm.332387	5	10.502	10.147	10.556	10.351	10.322	10.669	10.607	9.998	9.342	10.326	9.662	10.075	10.132	9.748	10.418	10.591	10.177	10.259	10.682	10.668	10.232	10.604	10.490	10.855
1456215	at		Tiam4	BB304700	Mm.229292	10	7.824	7.721	7.721	7.721	7.323	7.475	7.756	7.276	7.292	7.056	7.292	7.056	7.323	7.056	7.323	7.056	7.323	7.056	7.323	7.056	7.323	7.056	7.323	7.056
1456216	at		NA	BM239932	NA	NA	8.798	8.642	8.603	8.622	8.686	8.613	8.595	8.513	8.595	8.613	8.595	8.513	8.595	8.613	8.595	8.613	8.595	8.613	8.595	8.613	8.595	8.613	8.595	8.613
1456217	at		Ublf1	AV369711	Mm.282122	7	5.892	6.263	6.093	5.996	6.229	5.981	6.124	6.114	6.387	6.354	6.087	6.236	6.454	6.560	6.213	6.303	6.051	6.045	6.128	6.238	5.950	5.816	6.142	6.006
1456218	at		Snx22	AV333851	Mm.335249	9	7.031	7.062	6.887	7.005	7.128	6.950	7.070	7.212	7.046	6.834	7.039	6.917	6.981	7.140	7.056	6.865	7.168	7.158	7.060	7.029	7.058	7.169	6.985	6.921
1456219	at		LOC100045988	AV322605	NA	14	4.511	4.379	4.573	4.465	4.471	4.543	4.579	4.461	4.467	4.445	4.600	4.175	4.358	4.393	4.473	4.449	4.540	4.533	4.705	4.875	4.522	4.478	4.558	4.476
1456220	at		Fbx7	BB446014	Mm.253378	15	7.069	7.022	6.938	7.202	7.279	7.065	6.992	6.996	7.398	7.224	7.254	7.306	7.456	7.160	7.122	7.106	7.154	7.033	7.168	7.110	6.924	7.009	7.037	6.958
1456221	at		ENSMUSG000000	BB552737	Mm.220765	8	7.368	6.914	7.193	7.332	7.070	7.170	7.405	7.040	7.028	6.816	7.373	6.992	7.278	7.079	7.107	7.218	7.225	7.348	7.117	7.453	7.182	7.057	7.276	7.198
1456222	at		Btd1	BF020871	Mm.439993	7	6.017	6.038	5.985	6.055	6.229	6.205	6.203	6.339	6.288	6.057	6.163	6.041	6.172	6.073	6.119	6.022	6.541	6.234	6.071	6.099	6.127	6.397	5.932	6.376
1456223	at		NA	BB531492	NA	NA	8.458	7.345	8.012	8.430	8.196	7.015	7.911	8.556	7.872	7.309	7.939	6.969	7.943	7.356	7.026	6.896	6.892	6.896	6.892	6.896	6.892	6.896	6.892	6.896
1456224	x	at	Caae1	BB667170	Mm.314688	13	4.258	3.932	4.022	4.002	3.878	3.941	4.012	4.123	3.886	3.966	3.846	3.977	3.922	3.756	3.936	4.236	4.194	3.982	3.864	4.029	4.232	4.173	4.132	3.945
1456225	x	at	Trtb3	BB508622	Mm.276018	2	6.685	6.894	6.857	6.756	6.926	6.759	6.732	7.216	6.974	7.093	7.074	7.108	7.224	6.847	7.417	6.846	7.070	6.873	7.076	6.980	7.533	7.211	7.086	7.128
1456226	x	at	Ddr1	BB234940	Mm.5021	17	9.716	10.506	10.066	9.942	10.504	10.067	10.154	9.726	10.560	10.855	9.882	10.333	10.332	10.304	10.380	10.045	9.451	9.943	10.096	9.777	9.694	9.727	10.109	10.202
1456227	x	at	Rbbp7	AV310432	Mm.270186	X	12.982	12.828	13.073	12.880	12.886	13.000	12.982	12.981	12.646	12.788	12.751	12.781	12.717	12.785	12.883	12.974	12.965	12.853	12.858	12.910	13.121	13.163	13.041	13.006
1456228	x	at	Mbp	AV328388	Mm.252063	18	5.117	4.757	4.949	4.970	4.608	5.076	4.998	5.108	4.692	4.419	4.566	5.042	4.730	4.760										

1456278	x	at	Gpr172b	BB225331	Mm.28597	15	5.015	5.039	4.994	5.035	4.978	5.117	5.326	5.015	5.383	4.856	5.086	5.138	5.012	5.088	5.156	5.057	5.396	5.360	4.997	4.998	5.146	5.001
1456279	a	at	Bcap31	AV094648	Mm.17	X	10.046	10.551	10.086	10.318	10.559	10.617	10.573	10.381	10.683	10.755	10.248	10.847	10.610	9.989	10.656	10.495	10.283	10.330	10.466	10.704	10.434	10.376
1456280	at		Clsnp	B067086	Mm.243962		4	6.414	7.407	6.446	6.264	6.664	6.436	6.474	6.798	6.776	6.112	6.723	6.409	6.530	6.323	6.339	6.117	6.307	6.386	6.357	6.314	6.172
1456281	at		Fbxl18	BB401012	Mm.89753		5	8.052	8.415	7.985	8.196	8.248	8.101	7.966	8.297	8.471	8.497	8.105	8.232	8.231	8.212	8.132	8.004	8.373	8.239	7.998	8.093	8.109
1456282	at		B720457D02Rik	BB763701	Mm.445930		13	5.593	6.220	5.811	5.837	6.004	6.162	5.750	5.459	5.782	5.552	5.782	5.853	5.685	5.789	5.571	5.783	5.513	5.258	5.551	5.480	
1456283	at		Neto1	AV346281	Mm.329578		18	4.636	4.347	4.397	4.477	4.474	4.444	4.572	4.605	4.572	4.595	4.360	4.575	4.485	4.561	4.529	4.425	4.576	4.543	4.643	4.596	4.514
1456284	at		Tmem171	BB701711	Mm.28264		13	8.099	7.785	7.971	8.127	7.762	7.828	8.085	8.030	7.732	7.894	7.922	7.983	8.074	7.921	7.859	7.876	7.942	7.800	7.976	8.006	8.108
1456285	at		NA	BM239888	NA	NA	5.414	5.252	5.243	5.415	5.276	5.112	5.206	5.286	5.152	5.257	5.413	5.277	5.341	5.327	5.159	5.385	5.450	5.467	5.034	5.530	5.452	5.123
1456286	at		NA	BB523936	NA	NA	8.492	8.525	8.705	8.603	8.641	8.732	8.639	8.226	8.788	8.644	8.628	8.629	8.719	8.770	8.756	8.643	8.223	8.492	8.618	8.633	8.641	8.346
1456287	at		BB236558	BB398201	Mm.127892		9	5.486	5.354	5.271	5.324	5.265	5.223	5.274	5.373	5.475	5.340	5.530	5.035	5.668	5.439	5.507	5.367	5.124	5.519	5.408	5.492	5.150
1456288	at		SIfn5	BB134615	Mm.42147		11	8.968	8.735	9.247	9.369	9.014	9.231	9.249	9.103	8.894	8.948	9.168	9.167	8.988	8.796	9.236	9.232	9.051	9.025	9.139	9.251	9.099
1456289	at		Hamd2	BB786529	Mm.38960		7	7.039	6.868	6.840	7.000	6.861	6.895	6.993	6.786	6.819	6.689	6.910	6.828	6.623	6.956	6.816	6.968	7.048	6.830	7.055	6.859	6.986
1456290	x	at	Ccn2	BB813044	Mm.221271		11	9.244	9.466	9.213	9.425	9.373	9.867	9.105	9.730	9.675	9.356	9.487	9.670	9.497	9.710	9.241	9.280	9.396	9.492	9.112	8.999	9.344
1456291	x	Scx	BB114693	Mm.322821		15	6.107	6.329	5.885	6.107	6.360	6.008	6.185	6.466	6.709	6.262	6.295	6.301	6.676	6.233	6.269	5.996	6.271	6.241	6.142	5.923	6.218	6.110
1456292	a	Vim	AV147875	Mm.268000		2	10.804	12.348	10.472	10.908	11.726	11.250	10.802	12.065	12.660	12.564	11.752	12.058	12.182	12.224	11.827	10.381	10.332	10.303	10.389	9.468	10.917	10.865
1456293	s	Ccnh	AA068868	Mm.18474		13	10.316	10.252	10.461	10.373	9.952	10.451	10.462	10.531	9.785	9.883	9.830	10.103	9.806	10.043	10.137	10.360	10.841	10.719	10.515	10.606	10.724	11.010
1456294	at	Rnf11	AV228714	Mm.262707		11	6.306	6.540	6.222	6.296	6.234	6.518	6.351	6.363	6.278	6.494	6.224	6.201	6.340	6.210	6.326	6.214	6.282	6.644	6.429	6.450	6.330	6.322
1456295	at	B230114P17Rik	BB304874	Mm.80066		10	6.013	5.662	6.267	6.225	5.934	6.448	6.309	6.288	5.683	5.763	6.056	5.906	5.939	5.821	6.275	6.257	6.429	6.269	6.522	6.497	6.300	6.500
1456296	at	Slc46a2	BM214084	Mm.218317		9	5.402	5.702	5.815	5.735	5.744	5.936	5.838	5.766	5.619	5.803	5.700	5.607	5.538	5.980	5.856	5.721	5.521	5.718	5.768	5.637	5.729	5.941
1456297	at	Slc46a2	BB203897	Mm.284433		4	5.066	4.509	4.948	4.867	4.806	4.903	4.918	5.022	4.815	4.613	4.915	4.877	4.771	4.806	4.725	5.101	4.793	5.008	4.797	4.954	5.104	4.911
1456298	at	Fam170b	BB687156	Mm.32231		14	6.976	6.777	7.125	7.003	7.057	7.020	6.872	6.922	7.016	6.844	6.911	6.984	6.920	6.867	7.110	6.986	6.802	7.003	6.764	6.766	6.822	6.956
1456299	at	E330012B07Rik	BB554217	Mm.170402		6	5.773	5.492	5.883	5.724	5.607	5.502	5.744	5.823	5.741	5.591	5.900	5.512	5.789	5.800	5.876	5.890	5.872	5.843	5.880	5.771	5.816	5.628
1456300	at	Iilvlb	BB490889	Mm.2644		10	7.358	7.201	7.216	7.173	7.245	7.156	7.146	7.327	7.475	7.318	7.306	6.889	7.421	7.108	7.235	7.122	7.307	7.147	7.232	7.145	7.238	7.760
1456301	at	Hoxc5	BB667223	Mm.103825		15	7.269	6.831	7.083	7.217	7.174	6.964	7.412	7.116	7.112	6.983	7.061	7.102	7.100	7.150	7.158	7.185	7.124	7.092	7.163	7.154	7.126	7.023
1456302	at	Pex6	BB252740	Mm.299399		17	6.807	6.665	7.102	6.990	7.072	6.988	7.141	7.019	6.991	6.922	6.925	7.005	6.910	6.926	7.212	7.102	7.107	7.147	7.363	7.242	6.875	7.032
1456303	at	NA	BI465935	NA	NA		8.582	8.434	8.777	8.866	8.819	8.951	8.869	8.632	8.703	8.883	8.336	8.875	8.851	8.890	8.786	8.818	8.879	8.819	8.871	8.858	8.619	8.891
1456304	at	Og966	BB464951	Mm.379511		2	7.998	6.621	6.915	6.867	6.976	6.829	6.986	6.986	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980	6.980
1456305	at	Umod	BB747266	Mm.10826		7	6.428	4.554	4.639	4.524	4.502	4.710	4.625	4.530	4.527	4.462	4.614	4.411	4.417	4.483	4.585	4.509	4.590	4.478	4.680	4.727	4.596	4.450
1456307	s	Adcy7	BB746807	Mm.288206		8	9.614	10.981	9.696	9.803	10.973	10.265	9.938	10.729	11.150	11.435	10.306	11.619	11.550	11.077	10.897	9.559	9.137	9.322	9.391	9.057	9.521	9.422
1456308	x	Trim28	AA408787	Mm.15701		7	11.228	11.512	11.093	11.370	11.504	11.195	11.103	11.359	11.565	11.301	11.418	11.461	11.492	11.447	11.269	11.159	11.583	11.432	11.349	11.296	11.460	11.572
1456309	x	Laspl	BG146595	Mm.271967		11	10.238	10.352	10.068	10.240	10.238	10.196	10.108	10.461	10.509	10.375	10.447	10.250	10.266	10.540	10.488	10.150	10.271	10.081	10.168	10.219	10.113	10.212
1456310	a	B210002J02Rik	AV218922	Mm.10374		4	8.592	10.068	8.697	8.885	9.290	8.878	8.584	9.485	10.215	9.322	8.854	10.055	9.885	9.828	9.110	8.722	8.753	9.137	8.935	8.518	8.676	8.837
1456311	x	Esc2c	AV215583	Mm.245820		14	4.620	4.647	4.565	4.643	4.677	4.792	4.755	4.750	4.569	4.681	4.812	4.457	4.586	4.653	4.487	4.490	4.403	4.757	4.612	4.633	4.537	4.648
1456312	x	Cdk2ap1	BB101282	Mm.12481		2	12.818	11.514	12.822	13.381	12.483	13.565	12.941	13.345	11.975	11.392	12.575	12.957	11.295	12.957	13.097	13.097	13.097	13.097	13.097	13.097	13.097	13.097
1456313	x	Mrlp28	BB257397	Mm.273102		17	10.443	10.105	10.311	10.424	10.334	10.252	10.310	10.534	10.274	9.974	10.301	10.362	10.270	10.260	10.126	10.231	10.501	10.443	10.295	10.353	10.312	10.641
1456314	x	Cdk2ap1	AV217570	Mm.425284		5	12.747	13.043	12.713	12.851	12.914	12.762	12.846	12.849	12.960	12.941	12.855	12.782	12.681	12.883	12.730	12.716	12.899	12.877	12.944	12.884	12.777	12.944
1456315	a	Ptfla	BB014781	Mm.241205		2	11.730	12.104	11.303	11.550	11.771	11.828	12.110	12.227	12.096	12.212	12.101	11.870	11.923	11.981	11.854	11.353	11.772	11.873	12.026	11.988	11.929	11.889
1456316	a	Acbd3	BI965035	Mm.272981		1	7.874	6.823	7.364	7.802	7.973	7.595	7.702	8.037	8.305	7.861	8.002	8.103	8.136	7.993	7.766	7.611	8.004	8.083	7.839	7.672	8.037	7.784
1456317	at	Aldh3c1a	BI48594	Mm.266843		19	9.042	8.846	8.903	8.956	8.973	8.934	8.936	9.054	8.993	8.818	8.938	8.768	8.900	8.962	8.940	8.917	8.897	8.968	8.889	8.921	8.921	8.833
1456318	at	Clec1a	BB417442	Mm.131289		6	8.859	8.516	8.973	8.856	9.029	8.785	8.812	8.890	8.471	8.539	8.856	8.695	8.709	8.641	8.716	8.717	7.855	8.646	8.559	8.784	8.727	8.910
1456319	at	NA	BB63876	Mm.265576		NA	6.338	6.656	6.721	6.837	6.793	6.829	6.886	6.869	6.715	6.687	6.449	6.670	7.770	6.312	6.707	6.316	6.707	6.316	6.707	6.316	6.707	6.316
1456320	at	D1Ertd53e	BB701297	Mm.26272		1	8.331	7.876	8.435	8.036	8.122	8.199	8.179	8.842	8.787	8.206	8.043	8.067	8.127	8.028	8.337	8.112	7.501	7.708	7.726	7.772	7.765	8.498
1456321	at	Nqa1	AI503829	Mm.38884		5	4.246	3.989	4.107	4.069	4.005	4.115	4.425	4.211	4.071	3.953	4.149	3.680	4.102	3.945								

1456367	at	Fut8	BM239867	Mm.35628	12	4.817	4.767	5.013	4.873	4.936	4.933	4.961	5.134	5.021	4.756	4.906	5.096	4.983	4.832	4.907	4.957	4.910	5.053	5.125	4.815	5.107	5.169	4.974	4.978
1456368	at	EG214321	AV274161	Mm.444671	12	4.939	5.039	5.066	5.295	5.202	5.046	5.040	5.006	5.273	5.074	5.237	5.025	4.946	5.152	5.034	5.158	4.866	5.100	5.098	5.169	4.976	4.972	4.992	5.101
1456369	at	Pot1a	BB484991	Mm.274589	6	5.444	5.404	5.581	5.711	5.783	5.847	5.744	5.712	5.666	5.609	5.718	5.481	5.875	5.954	5.703	5.796	5.817	5.811	5.784	5.925	5.634	5.648	5.891	5.418
1456370	s at	O610037L13Rik	BB044881	Mm.274853	4	8.284	7.883	8.225	8.344	8.253	8.164	8.216	7.841	8.128	8.061	8.021	8.381	8.417	8.032	8.095	8.190	7.922	7.964	8.017	8.116	8.241	7.945	8.236	8.152
1456371	at	Shroom1	BQ26582	Mm.274370	11	7.021	6.865	6.987	6.980	6.757	6.805	6.972	6.767	6.761	6.493	6.754	6.864	6.790	6.460	6.689	6.805	6.930	6.887	6.761	6.953	7.183	6.901	6.862	6.705
1456372	at	NA	BM250442	NA	NA	6.317	6.104	6.167	6.328	6.177	6.177	6.259	6.120	6.146	6.317	6.176	6.146	6.317	6.176	6.220	6.220	6.146	6.308	6.297	6.222	6.220	6.516	6.263	6.457
1456373	x at	Rps20	AV046829	Mm.21938	4	13.457	13.487	13.258	13.175	13.349	13.269	13.222	13.525	13.712	13.546	13.218	13.559	13.314	13.380	13.339	13.019	13.460	13.428	13.150	12.965	13.635	13.575	13.068	12.912
1456374	x at	Eif3c	AV253549	Mm.22776	7	10.985	11.459	10.908	10.978	11.237	10.977	10.829	11.340	11.648	11.364	11.189	11.468	11.377	11.258	11.087	10.961	11.474	11.235	11.065	10.946	11.177	11.404	10.945	10.841
1456375	x at	Trim27	BB290427	Mm.314056	13	9.058	9.414	8.973	9.013	9.140	8.922	8.843	9.297	9.534	9.267	9.448	9.367	9.191	9.445	9.155	9.106	9.122	9.143	9.084	9.110	9.160	9.362	9.112	9.014
1456376	at	NA	BB314321	NA	NA	4.234	4.413	4.285	4.245	4.215	4.215	4.153	4.169	4.426	4.259	4.136	4.414	4.389	4.214	4.238	4.204	4.365	4.373	4.324	4.256	4.122	4.223	4.219	4.159
1456377	x at	Limd2	AV010467	Mm.21687	11	8.913	10.431	8.944	8.997	9.928	9.424	9.746	9.516	10.908	10.394	9.686	10.154	10.185	10.581	9.720	8.866	9.395	9.937	9.293	9.828	8.961	9.150	8.454	8.522
1456378	s at	Fhx20	MM.218350	11	9.754	9.471	9.369	9.243	9.396	9.259	9.302	9.996	9.772	9.549	10.109	9.940	9.914	9.436	9.949	9.358	8.875	9.220	8.815	8.523	9.430	9.610	9.768	9.989	
1456379	x at	NA	BQ039556	Mm.292560	1	3.860	4.098	4.023	4.086	3.853	4.064	3.991	4.035	4.056	4.031	4.208	4.130	3.951	4.015	4.032	4.040	3.950	4.094	4.028	4.178	3.836	4.027	4.040	4.023
1456380	x at	Cnn3	BB490338	Mm.275555	3	8.135	8.841	8.009	7.939	8.558	8.157	8.098	8.710	9.326	8.945	8.795	8.843	9.162	8.917	8.691	7.940	7.742	7.830	7.789	7.750	8.072	8.126	8.241	7.975
1456381	x at	Mcl1	AV274748	Mm.1639	3	11.505	11.281	11.538	11.428	11.629	11.430	11.328	11.367	11.287	11.386	11.217	11.467	11.347	11.057	11.449	11.454	11.400	11.256	11.098	11.208	11.399	11.714	11.561	11.566
1456382	at	Atad1	AV017609	Mm.27123	19	5.146	5.089	5.236	4.940	4.953	5.154	5.063	4.918	5.030	5.175	5.231	4.973	4.877	5.053	5.239	5.245	5.111	5.209	5.177	5.359	4.977	5.235	5.124	5.245
1456383	at	Rsl1d1	BM239987	Mm.28291	16	9.814	9.957	9.641	9.630	9.682	9.685	9.719	9.878	9.575	9.645	9.867	9.708	9.709	9.756	9.610	9.674	9.951	9.747	9.755	9.657	9.790	9.967	9.691	9.642
1456384	at	LOC100045228	BB308872	NA	X	4	5.338	4.889	5.142	4.984	5.003	4.944	5.104	5.185	5.100	4.913	4.987	4.848	4.887	4.746	4.953	4.941	5.101	5.124	4.941	5.064	5.192	5.185	4.985
1456385	x at	Ubrn10	AV260990	Mm.292226	4	6.244	5.768	6.134	6.315	5.994	5.962	6.108	5.836	5.929	5.845	5.960	5.870	6.032	5.999	6.039	6.041	6.109	5.930	5.777	6.141	6.013	5.896	6.241	6.169
1456386	at	NA	BB203348	NA	NA	6.306	6.110	6.300	6.212	6.491	6.448	6.324	6.233	5.873	6.245	6.405	6.139	6.171	6.069	6.705	6.345	6.633	6.328	6.011	6.887	6.899	6.156	7.231	7.194
1456387	at	Nol4	AV323033	Mm.209896	18	4.850	4.523	4.846	4.794	4.802	4.818	4.747	4.702	4.610	4.629	4.665	4.786	4.780	4.777	4.878	4.852	4.824	4.732	4.890	4.935	4.778	4.717	4.675	4.949
1456388	at	Atp11a	AV378604	Mm.257837	8	10.465	10.551	10.254	10.511	10.703	10.346	10.380	10.529	10.383	10.646	10.257	10.996	10.629	10.421	10.333	10.415	10.795	10.442	10.276	10.187	10.620	10.692	10.194	10.433
1456389	at	Zeb2	BB244754	Mm.440702	2	6.791	7.287	7.078	6.741	6.963	7.064	7.311	6.791	7.725	7.944	7.045	7.573	7.613	8.049	7.389	6.913	6.451	7.044	7.514	7.029	6.364	6.533	6.374	6.944
1456390	at	Ppp2ca	BB053843	Mm.260288	11	9.812	9.854	9.908	9.416	9.448	9.696	9.753	9.638	9.480	9.689	9.823	9.530	9.396	9.728	9.662	9.807	9.460	9.635	9.689	9.494	9.472	9.556	9.640	9.757
1456391	at	Tdrd5	MM.252800	1	6.437	5.926	6.190	6.286	6.077	6.095	6.173	6.135	6.083	5.679	6.254	5.959	5.940	5.944	6.165	6.057	6.193	6.004	6.257	6.152	6.310	6.366	6.203	6.316	6.163
1456392	at	Neur1	BM118381	Mm.317293	3	5.022	4.378	4.870	5.255	4.904	5.113	4.929	4.997	4.603	4.654	4.715	4.954	5.192	4.644	5.182	4.903	5.063	4.934	5.084	4.815	4.799	4.745	4.570	4.990
1456393	at	NA	Mm.1005	19	9.271	9.648	9.436	9.565	9.687	9.732	9.687	9.732	9.617	9.510	9.842	9.155	9.689	9.155	9.689	9.155	9.689	9.155	9.689	9.155	9.689	9.155	9.689	9.155	9.689
1456394	at	Rint1	BB293407	Mm.253000	5	5.283	5.347	5.357	5.258	4.493	4.535	4.427	4.719	6.419	5.183	4.229	5.752	5.752	5.202	5.243	5.905	6.013	5.878	5.500	5.582	5.480	5.582	5.480	5.582
1456395	at	Pparc1a	BM120569	Mm.259072	5	11.890	10.277	10.992	10.919	10.087	10.423	10.450	10.376	9.426	10.098	9.804	10.243	9.355	9.318	10.426	11.043	10.484	10.648	10.317	10.632	10.672	10.864	11.759	10.959
1456396	at	NA	BQ064541	NA	NA	9.668	9.708	9.662	9.763	9.914	10.106	10.023	9.655	9.459	9.551	9.684	9.508	9.792	10.066	9.846	9.739	9.785	9.788	9.752	9.925	9.551	9.805	9.849	9.588
1456397	at	Cdh4	BB210819	Mm.184711	2	6.620	6.063	6.749	6.491	6.357	6.313	6.395	6.590	5.842	6.211	6.305	6.338	6.091	6.226	6.199	6.665	6.459	6.351	6.299	6.325	6.228	6.339	6.425	6.298
1456398	at	Tuol1	BB648848	Mm.390314	11	9.140	8.960	9.360	9.080	9.488	8.972	8.869	9.163	8.904	9.132	9.056	9.038	9.131	9.059	9.036	9.229	9.100	9.062	9.079	9.080	8.996	9.252	9.034	9.018
1456399	at	Alf842136	AV372940	Mm.440079	9	8.769	8.303	8.687	8.614	8.695	8.581	8.451	8.700	8.323	8.864	8.142	8.706	8.681	8.114	8.629	8.702	9.279	9.038	8.725	8.831	9.050	9.232	8.639	8.693
1456400	at	Terf2ip	BB217651	Mm.213064	8	5.775	5.365	5.536	5.560	5.600	5.445	5.378	5.379	5.615	5.536	5.425	5.560	5.539	5.642	5.525	5.476	5.710	5.529	5.506	5.551	5.760	5.552	5.470	5.500
1456401	at	NA	BB293752	Mm.440930	2	10.320	10.602	10.493	10.592	10.242	10.101	10.520	9.927	9.876	10.144	10.278	9.929	10.701	10.921	10.554	9.989	10.109	10.259	10.733	10.929	10.733	10.929	10.733	10.929
1456402	at	AX330075H08Rik	BB130348	Mm.131850	7	3.747	3.774	3.735	3.611	3.751	3.750	3.851	3.584	3.723	3.642	3.841	3.736	3.883	3.652	3.872	3.813	4.003	3.795	3.951	3.868	3.994	3.683	3.804	3.833
1456403	at	Paa1	MM.251959	Mm.214484	3	4.646	4.752	4.762	4.862	4.980	4.718	4.944	4.992	4.906	4.749	4.910	4.763	4.653	4.849	4.860	4.902	4.812	4.847	4.929	4.939	4.847	4.836	4.918	4.901
1456404	at	Adamts5	BB475194	Mm.112933	16	9.055	9.014	9.126	9.196	9.220	9.509	9.179	9.361	9.088	9.401	8.897	9.185	9.254	9.371	9.323	9.060	9.216	9.315	9.551	9.334	9.232	9.353	8.954	8.884
1456405	at	Dido1	BQ063067	Mm.253836	2	9.366	9.740	9.607	9.761	9.621	9.571	9.536	9.189	9.552	9.651	9.239	9.983	9.448	9.405	9.243	9.642	9.681	9.597	9.436	9.388	9.502	9.661	9.941	9.588
1456406	at	Nrxn2	BE988787	Mm.329616	19	7.067	6.683	6.910	6.854	6.680	6.718	6.789	6.846	6.727	6.633	6.880	6.830	6.755	6.554	6.798	6.685	6.683	6.932	6.844	6.891	6.990	7.107	6.907	6.817
1456407	a at	Tik1	BM244995	Mm.136511	2	4.939	5.258	5.442	5.272	5.114	5.241	5.007	5.059	4.887	5.232	4.8													

1456456	x	at	Mela	BB821390	Mm.440479	8	6.118	5.805	6.165	6.175	6.014	6.152	6.160	6.153	5.771	5.887	6.146	5.928	5.990	6.036	6.088	6.266	6.010	5.933	5.986	6.204	6.134	5.963	6.251	6.293
1456457	at		Slc32a1	AI839048	Mm.143404	2	6.758	6.957	6.935	6.947	7.046	6.915	6.846	7.093	6.932	6.779	6.966	7.018	6.812	6.986	6.960	6.895	6.954	6.833	7.114	7.007	6.928	6.972	6.971	6.886
1456458	at		Ccdc53	BM242417	Mm.208465	10	5.173	5.122	5.343	5.122	5.300	5.740	5.318	5.284	5.130	5.267	5.412	5.151	5.226	5.251	5.388	5.565	5.420	5.277	5.298	5.517	5.191	5.204	5.222	5.279
1456459	x	at	Ccdc53	BM242417	Mm.208465	10	4.403	4.358	4.302	4.226	4.304	4.283	4.315	4.726	4.671	4.448	4.513	4.485	4.584	4.394	4.514	4.438	4.477	4.581	4.536	4.531	4.315	4.445	4.420	4.473
1456460	at		BC006281	BB409096	Mm.146087	12	8.265	7.866	8.071	8.139	8.050	8.005	8.015	7.980	7.988	8.013	8.048	7.994	8.098	8.068	8.235	8.233	8.093	7.993	8.268	8.284	8.216	8.195	8.181	
1456461	at		Ewci1	AW610680	NA	11	4.495	4.229	4.369	4.209	4.346	4.550	4.508	4.419	4.109	4.323	4.163	4.404	4.246	4.422	4.367	4.536	4.107	4.419	4.200	4.237	4.439	4.348	4.438	
1456462	x	at	LOC100044953	BB816770	NA	5	9.213	8.618	9.395	9.167	8.845	8.942	9.308	8.850	8.610	9.322	8.746	8.820	8.602	8.812	9.139	9.182	8.620	8.830	8.832	8.961	8.915	9.064	9.146	9.612
1456463	at		A230106M20Rik	BB546757	Mm.228087	7	8.662	8.195	8.651	8.682	8.328	8.500	8.744	8.374	8.308	8.055	8.380	8.198	8.225	8.470	8.235	8.555	8.515	8.349	8.573	8.688	8.765	8.361	8.699	8.543
1456464	x	at	Svt11	BB129990	Mm.379376	3	8.731	8.472	8.762	8.786	8.828	8.457	8.662	8.727	9.001	8.797	8.660	8.927	9.019	8.818	8.811	8.858	8.733	8.725	8.646	8.749	8.589	8.527	8.744	8.559
1456465	at		Slc25a44	BB585956	Mm.301740	3	8.836	8.176	8.710	8.787	8.507	8.658	8.738	8.535	8.315	8.450	8.392	8.584	8.382	8.556	8.648	8.767	8.791	8.707	8.747	8.863	9.010	8.779	8.875	8.895
1456466	x	at	Atxn10	AV219447	Mm.248906	15	10.298	10.847	10.308	10.177	10.461	10.240	10.275	10.250	11.033	11.017	10.563	10.716	10.657	10.677	10.558	10.180	10.032	10.067	10.166	10.260	10.134	10.078	10.140	10.173
1456467	s	at	Nk	BB389081	Mm.9001	11	5.574	6.691	7.183	6.744	6.424	6.306	6.997	6.712	6.275	6.698	6.233	6.759	6.360	6.418	6.685	6.731	6.627	6.885	6.791	6.528	6.939	7.215	6.779	6.950
1456468	x	at	1110012N22Rik	BB199996	Mm.194584	11	9.338	9.221	9.523	9.284	9.062	9.264	9.467	9.349	8.155	8.569	8.782	9.050	8.547	8.517	8.951	9.490	9.595	9.540	9.479	9.470	9.904	9.495	9.230	9.475
1456469	x	at	Laspl	BB201735	Mm.271967	11	9.183	8.715	9.123	9.155	8.870	8.990	9.259	9.066	8.941	8.873	9.209	8.902	8.868	9.117	9.046	9.139	8.945	9.131	9.119	9.301	9.087	8.903	9.166	9.223
1456470	x	at	Fam166a	AV167776	Mm.476051	2	9.623	9.085	9.415	9.333	9.041	9.178	9.394	9.545	9.441	9.097	9.547	8.957	9.012	9.421	9.099	9.365	9.300	9.193	9.339	9.387	9.241	9.254	9.500	9.299
1456471	x	at	Phgdh	BB204486	Mm.16898	3	8.510	9.613	8.476	8.587	8.809	8.716	8.338	8.937	10.107	9.181	8.998	9.173	8.883	9.545	8.999	8.502	8.546	8.625	8.546	8.659	8.710	8.627	8.910	8.626
1456472	at		Armcd	AV256009	Mm.107918	18	4.363	4.283	4.375	4.366	4.402	4.216	4.349	4.598	4.518	4.378	4.396	4.416	4.646	4.503	4.291	4.476	4.419	4.430	4.437	4.331	4.353	4.327	4.415	4.243
1456473	x	at	Arf2	AV023312	Mm.5061	11	4.764	4.637	4.687	4.596	4.643	4.535	4.662	4.564	4.751	4.801	4.888	4.660	4.671	4.699	4.581	4.797	4.707	4.503	4.809	4.628	4.624	4.637	4.569	4.709
1456474	at		Nx	AA792902	NA	NA	5.909	5.255	6.067	6.064	5.726	5.523	5.639	6.033	5.665	5.587	5.915	5.461	5.754	5.635	5.735	5.739	5.621	5.719	5.964	5.729	5.914	5.487	5.895	5.871
1456475	s	at	Pkr1a2b	BM25594	Mm.25594	12	5.846	6.698	5.938	5.917	5.801	6.140	5.923	5.936	6.953	6.778	5.585	5.873	6.214	6.576	5.893	5.771	5.576	5.313	6.082	5.387	5.647	5.735	5.560	5.728
1456476	at		Ata2b	BF143806	Mm.231450	7	8.465	8.390	8.207	8.332	8.388	8.217	8.278	8.508	8.447	8.522	8.450	8.381	8.547	8.438	8.353	8.374	8.388	8.314	8.315	8.267	8.251	8.136	8.241	7.996
1456477	at		Ccmt1	BF538435	Mm.29941	15	9.244	8.892	8.892	8.986	8.866	9.132	8.949	9.155	8.942	9.123	8.823	8.830	8.871	8.774	8.778	9.133	9.125	9.059	8.998	8.965	9.248	9.207	9.191	9.114
1456478	at		Pqm21	BB183423	Mm.440524	7	7.399	7.572	7.112	7.164	7.453	7.598	7.235	7.507	7.490	7.737	7.169	7.435	7.490	7.533	7.591	7.326	7.538	7.150	7.300	7.068	7.570	7.703	7.275	7.500
1456479	at		Snx30	BB359719	Mm.259705	4	7.492	7.491	7.432	7.563	7.473	7.327	7.608	7.308	7.652	7.547	7.321	7.532	7.609	7.535	7.511	7.454	7.492	7.552	7.538	7.563	7.416	7.426	7.211	7.254
1456480	at		Frv	BB527078	Mm.216590	5	10.580	9.558	10.431	10.108	10.107	10.169	9.895	9.857	9.286	9.755	9.832	9.994	9.717	9.940	10.283	10.523	10.027	10.349	10.203	10.221	10.377	10.456	10.613	10.629
1456481	at		D9Ert280e	BB525078	Mm.258310	9	7.469	7.121	7.099	7.275	7.129	7.053	7.170	7.129	7.142	6.928	7.265	7.074	7.038	7.087	7.146	7.298	7.219	6.962	6.978	7.194	7.214	7.229	7.235	7.020
1456482	at		Pk3r3	BB538819	Mm.258319	9	8.343	8.507	8.381	8.577	8.503	8.556	8.368	8.225	8.715	8.540	8.277	8.540	8.578	8.581	8.540	8.542	8.498	8.526	8.541	8.526	8.541	8.526	8.541	8.298
1456483	at		BM009802	Mm.106106	6	7.429	6.736	8.355	8.560	8.518	8.552	8.061	9.095	8.872	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588	8.588
1456484	at		Dhrxs	BF197421	Mm.305345	4	7.041	6.996	7.092	7.248	7.088	6.768	6.756	6.862	7.038	6.877	6.992	6.948	7.044	7.079	7.065	7.179	6.828	6.871	7.293	7.079	7.005	6.792	6.699	6.836
1456485	at		Npat	BM207451	Mm.116713	9	7.668	7.846	7.729	7.371	7.572	7.804	7.885	7.763	7.840	7.726	7.667	7.658	7.887	7.799	7.769	7.365	7.614	7.673	7.657	7.673	7.657	7.610	7.664	7.751
1456486	at		Zfp574	BF318389	Mm.455807	7	6.183	6.099	6.020	6.126	6.066	6.147	6.299	6.160	5.966	6.084	6.135	5.935	6.167	6.010	6.198	6.137	6.181	6.142	6.210	6.247	6.138	5.977	6.094	6.081
1456487	at		Adcy1	AI848263	Mm.259733	11	6.795	6.546	6.480	6.693	6.797	7.330	6.842	7.104	6.912	6.711	6.771	6.833	7.043	6.713	6.831	6.232	7.488	7.343	7.071	7.355	7.090	7.243	7.120	6.870
1456488	at		Pcd31	BB667997	Mm.277705	18	8.366	8.454	8.203	8.383	8.418	8.445	8.247	8.344	8.353	8.306	8.375	8.275	8.414	8.309	8.275	8.266	8.452	8.495	8.505	8.431	8.363	8.383	8.359	8.298
1456489	at		Wfr1	BB553937	Mm.288645	7	8.396	8.200	8.119	8.282	8.161	8.180	8.034	8.485	8.087	7.986	8.184	8.215	8.235	8.048	8.140	8.099	8.452	8.443	8.299	8.096	8.302	8.624	8.145	7.971
1456490	at		Cd42a2b	Mm.29609	19	5.345	5.372	5.422	5.402	5.398	5.599	5.638	5.954	5.823	5.324	5.995	5.573	5.354	5.423	5.383	5.552	5.570	5.393	5.540	5.508	5.383	5.540	5.508	5.383	5.408
1456491	at		Rbm24	BE988930	Mm.38269	13	8.232	7.998	8.056	8.091	8.074	8.210	7.942	8.257	7.912	7.885	8.129	8.016	7.995	7.916	8.057	8.108	8.165	8.272	8.077	8.174	8.240	8.194	8.418	8.045
1456492	at		913040AD08Rik	BB279767	Mm.269061	8	9.061	8.968	9.173	9.371	9.176	9.046	8.885	9.155	8.870	8.987	8.834	9.393	9.130	8.921	8.875	9.105	9.235	9.404	9.008	9.189	9.228	9.394	9.113	9.032
1456493	at		MGCI18608	BG072319	Mm.335802	8	7.328	6.963	7.116	7.369	6.952	7.063	7.371	7.102	7.077	7.021	7.119	7.127	7.198	7.067	7.129	7.116	7.011	7.070	7.222	7.180	7.161	7.107	7.201	7.107
1456494	a	at	AI451617	BG068242	Mm.277377	7	6.945	7.083	7.009	7.010	6.987	6.957	6.991	7.183	7.064	7.079	7.321	6.780	7.026	7.110	6.977	7.150	6.876	6.970	7.090	7.247	7.208	7.231	7.130	7.164
1456495	s	at	Osblp6	BG070848	Mm.204435	2	6.709	6.731	6.819	6.969	7.092	7.151	7.045	6.631	6.809	6.592	6.542	7.092	7.036	7.051	6.431	6.770	6.874	6.871	8.052	7.284	7.141	7.578	6.680	7.740
1456496	at		Dapk3	AW055029</																										

1456545	at	Il18rap	AV247387	Mm.20466	1	8.786	8.435	8.655	8.602	8.540	8.679	8.719	8.487	8.623	8.505	8.663	8.573	8.582	8.614	8.564	8.629	8.594	8.439	8.601	8.652	8.578	8.522	8.601	8.796
1456546	at	1700097N02Rik	BE852123	Mm.3723215	17	6.530	6.409	6.422	6.409	6.066	6.143	6.363	6.423	6.365	6.375	6.606	6.268	6.266	6.286	6.277	6.475	6.352	6.394	6.111	6.484	6.805	6.497	6.484	6.467
1456547	at	NA	BM119402	NA	NA	8.861	9.043	8.977	9.064	9.116	9.135	8.817	8.895	9.185	9.235	8.815	9.211	8.949	8.747	9.110	8.950	8.909	9.098	8.802	8.793	8.691	8.838	9.237	8.836
1456548	at	Mtdh	BB559399	Mm.130883	15	6.234	6.176	6.176	6.252	6.244	6.263	6.193	6.214	6.267	6.254	6.229	6.226	6.177	6.102	6.284	6.250	6.169	6.016	6.394	6.116	6.450	6.616	6.206	6.235
1456549	at	Gm550	BF311943	Mm.301487	19	5.434	5.281	5.458	5.385	5.213	5.534	5.585	5.389	5.525	5.360	5.348	5.084	5.226	5.471	5.488	5.371	5.335	5.350	5.255	5.470	5.385	5.343	5.378	5.470
1456550	at	Bcl212	BB227384	Mm.761006	7	6.616	6.683	7.788	6.848	6.657	6.938	6.697	6.939	6.619	6.744	6.813	6.673	6.789	6.750	6.707	6.746	6.801	6.779	6.927	6.859	6.803	6.771	6.858	6.779
1456551	at	NA	BB313400	NA	NA	7.427	6.904	7.762	7.655	7.188	7.504	7.354	7.332	6.910	6.903	6.997	6.757	6.871	6.825	7.234	7.606	7.444	7.488	7.500	7.678	7.441	7.738	7.589	7.549
1456552	at	NA	BB021606	NA	NA	6.373	6.495	6.363	6.440	6.423	6.358	6.464	6.503	6.306	6.564	6.407	6.410	6.505	6.521	6.476	6.538	6.518	6.538	6.406	6.471	6.608	6.441	6.566	6.529
1456553	at	NA	BB198687	NA	NA	6.348	6.355	6.599	6.187	6.366	6.540	6.630	6.008	6.109	6.726	5.864	6.509	6.279	6.329	6.291	6.355	6.363	6.398	6.431	6.400	6.295	6.486	6.623	6.252
1456554	at	7530414M10Rik	AV370403	Mm.400470	15	4.432	4.754	4.499	4.584	4.641	4.561	4.386	4.560	4.757	4.629	4.612	4.709	4.423	4.607	4.548	4.592	4.791	4.691	4.486	4.682	4.586	4.647	4.536	4.689
1456555	at	Ccdc67	AV280234	Mm.32237	9	7.098	6.916	6.852	7.186	6.464	6.869	6.961	6.838	7.040	6.896	7.071	6.925	6.943	7.018	6.742	6.889	6.934	6.753	6.751	6.927	6.889	6.768	6.932	6.886
1456556	at	BB310935	Mm.383485	17	5.704	5.312	5.659	5.530	5.547	5.718	5.693	5.763	5.187	5.341	5.593	5.305	5.480	5.415	5.561	5.620	5.708	5.484	5.892	5.980	5.833	5.538	5.723	5.653	
1456557	at	L700041C02Rik	BB256666	Mm.425204	4	4.895	4.811	4.729	5.068	4.894	5.055	4.965	4.933	4.847	4.898	4.930	4.834	4.941	4.832	4.944	4.847	5.113	5.167	5.151	5.196	5.066	5.074	4.887	5.091
1456558	s	C87977	BM227750	Mm.394339	4	4.515	4.317	4.499	4.356	4.421	4.538	4.784	4.362	4.395	4.467	4.562	4.334	4.355	4.358	4.849	4.612	4.859	4.576	4.744	4.675	4.373	4.474	4.712	4.545
1456559	at	Emx2os	AV351746	Mm.80382	19	5.864	5.427	5.903	5.746	5.712	5.986	5.784	5.674	5.565	5.572	5.953	5.665	5.622	5.527	5.702	5.797	5.656	5.577	5.703	5.861	6.060	5.827	5.908	6.057
1456560	at	Fam170a	AV265519	Mm.329435	18	4.933	4.825	4.690	4.876	4.820	4.530	4.779	4.883	4.662	4.663	4.865	4.812	4.736	4.752	4.556	4.830	5.204	4.810	4.816	4.839	4.768	4.867	4.820	4.669
1456561	s	Klf17	AU022735	Mm.3848	4	6.113	5.938	6.275	6.003	6.124	6.224	6.169	6.004	6.087	5.816	6.209	6.070	6.013	5.889	6.394	6.387	6.209	6.553	6.267	6.339	6.286	6.059	5.983	6.355
1456562	x	C33006K01Rik	BB756620	Mm.78250	5	7.648	7.458	7.713	7.737	7.707	7.684	7.662	7.631	7.538	7.619	7.725	7.688	7.520	7.685	7.609	7.733	7.727	7.659	7.678	7.795	7.683	7.696	7.593	7.634
1456563	at	4933429F08Rik	BB769119	Mm.476250	18	7.331	7.636	7.725	7.417	7.753	7.187	7.352	7.446	7.780	7.871	7.250	7.586	7.605	7.372	7.600	7.596	7.086	7.160	7.266	7.184	7.173	7.263	7.662	7.653
1456564	at	C030046I01Rik	BB765277	Mm.300415	10	8.541	8.135	8.379	8.352	8.275	8.367	8.351	8.356	8.214	8.091	8.250	8.061	8.154	8.223	8.396	8.379	8.432	8.359	8.329	8.415	8.424	8.204	8.372	8.251
1456565	s	Pcbp2	BB370469	Mm.236513	15	5.460	5.230	5.152	5.199	5.213	5.260	5.149	5.190	5.085	5.083	5.262	5.287	5.165	5.004	5.356	5.295	5.215	5.442	5.490	5.384	5.258	5.243	5.086	5.376
1456566	x	Rbm14	BB730281	Mm.276338	19	8.881	9.577	8.866	8.842	8.811	8.906	8.866	8.794	9.005	9.020	8.986	8.744	8.663	9.321	8.863	8.763	8.603	8.815	8.664	8.650	8.863	8.989	9.067	9.011
1456567	x	Gn	BB000455	Mm.1568	11	12.033	12.863	12.030	12.165	12.623	12.246	12.204	12.205	13.264	13.043	12.364	12.719	12.858	12.961	12.646	12.092	11.914	11.973	12.166	11.920	12.016	12.051	11.928	11.998
1456568	at	Gsn	AV025588	Mm.21109	2	4.276	4.088	4.482	4.343	4.276	4.238	4.267	4.294	4.249	4.255	4.377	4.266	3.977	4.160	4.228	4.132	4.050	4.316	4.350	4.435	4.106	4.317	4.298	4.456
1456569	x	Gsn	AV025588	Mm.21109	2	4.674	3.988	4.720	5.100	4.501	5.183	4.712	4.446	4.262	4.256	4.437	4.292	4.322	4.421	4.797	4.889	4.803	5.016	4.996	4.860	4.797	4.706	4.968	5.015
1456570	na	NA	BB801576	NA	NA	5.385	4.953	5.350	5.388	5.203	5.405	5.285	5.116	5.194	5.003	5.196	5.291	5.183	5.088	5.184	5.262	5.778	5.396	5.666	5.572	5.306	5.308	5.157	5.159
1456571	at	Cc14	Mm.299110	9	6.010	6.181	6.412	6.312	6.320	6.303	6.414	6.214	6.341	6.242	6.314	6.148	6.202	6.314	6.408	6.314	6.408	6.314	6.408	6.314	6.408	6.314	6.408	6.314	6.408
1456572	x	Cc14	AV216906	Mm.269895	11	8.649	8.178	8.865	8.264	8.523	8.631	8.132	8.520	8.631	8.400	8.132	8.520	8.631	8.400	8.132	8.520	8.631	8.400	8.132	8.520	8.631	8.400	8.132	8.520
1456573	x	Ntn	BB205930	Mm.195803	13	12.987	12.168	13.127	12.975	12.471	12.894	12.936	12.791	11.489	12.148	12.062	12.419	11.936	12.111	12.778	12.988	13.041	12.937	12.821	12.855	13.223	13.235	13.262	13.277
1456574	at	Zfp800	BB224546	Mm.84441	6	4.524	4.866	4.475	4.588	4.238	4.414	4.472	4.858	4.576	4.585	4.451	4.521	4.455	4.338	4.759	4.434	4.669	4.379	4.405	4.388	4.687	4.626	4.729	4.728
1456575	at	Ndn	BB276872	Mm.400253	7	6.282	5.639	6.134	6.087	5.896	6.090	6.077	6.059	6.087	5.786	6.126	5.888	6.022	6.004	5.891	6.012	6.094	5.857	6.175	6.204	6.115	5.828	6.109	6.292
1456576	x	Cnot2	BB220114	Mm.351553	10	9.265	9.315	9.352	9.248	9.295	9.422	9.328	9.643	9.351	9.145	9.083	9.280	9.182	9.173	9.239	9.226	9.749	9.521	9.301	9.175	9.385	9.760	9.223	9.273
1456577	x	Pitrm1	AV304625	Mm.41933	11	6.972	6.557	6.968	7.021	6.790	6.879	6.885	6.909	6.675	6.884	6.646	6.896	6.526	6.647	6.978	6.944	7.149	6.913	6.750	6.595	6.923	7.355	6.932	7.132
1456578	x	Latp1	BB260833	Mm.21937	13	8.100	8.553	9.044	8.885	8.781	8.990	9.130	8.820	8.581	8.801	8.866	8.589	8.734	8.754	8.982	9.040	8.745	8.866	8.906	9.196	8.902	8.585	9.002	9.096
1456579	at	Telo2	BB262675	Mm.22742	17	5.422	5.595	5.337	5.378	5.615	5.984	5.958	5.596	5.698	5.761	5.425	5.955	7.267	5.973	5.590	7.098	5.905	7.593	5.550	6.797	7.005	6.221	6.520	
1456580	s	Atp5d	AV019894	Mm.278560	10	14.327	14.330	14.245	14.256	14.395	14.173	14.271	14.504	14.241	14.197	14.148	14.401	14.226	14.091	14.109	14.282	14.514	14.509	14.312	14.346	14.405	14.453	14.186	14.079
1456581	x	Gdi2	BB041157	Mm.153226	13	11.772	12.042	11.920	11.823	11.200	11.837	11.787	11.977	11.240	12.231	11.841	11.870	11.922	12.175	12.023	11.887	11.888	11.673	11.771	11.715	11.898	12.189	11.863	11.891
1456582	x	Mif	BB204498	Mm.475897	1	8.107	7.722	8.295	8.104	7.898	7.948	8.170	8.010	7.424	7.935	7.908	7.907	7.792	7.789	8.039	8.039	8.107	8.077	8.055	8.077	8.112	8.232	8.294	8.241
1456583	x	Tmem144	BB272245	Mm.46635	3	10.538	9.684	10.465	9.876	9.988	9.798	10.430	10.447	9.746	9.942	10.198	10.036	9.995	9.865	10.270	10.274	9.817	9.653	9.583	9.896	10.416	10.318	10.353	10.638
1456584	at	Phadh	BB495884	Mm.16898	3	7.693	7.623	7.752	7.659	7.706	7.639	7.717	7.719	7.787	7.767	7.780	7.810	7.935	7.753	7.777	7.760	7.605	7.789	7.599	7.819	7.686	7.554	7.747	7.689
1456585	x	E130309D02Rik	BB546892	Mm.440105	5	7.539	7.654	7.180	7.318	7.722	7.261	7.327	8.041	7.692	7.537	7.480	7.804	7.525	7										

1456634	at	9830001H06Rik	BB093445	Mm.79466	2	6.757	6.965	6.894	6.793	7.006	6.798	7.017	7.103	7.066	7.139	7.355	7.089	7.042	6.894	7.141	7.126	7.045	7.030	6.903	6.851	6.896	6.781			
1456635	at	LOC100039742	AW090906	Mm.441462	1	8.218	8.339	8.178	8.267	8.137	8.009	8.317	8.284	8.513	8.455	8.204	8.158	8.126	8.406	8.006	8.169	8.258	8.022	8.332	8.106	8.147	8.194	8.102	8.167	
1456636	at	Mai2a	BB667914	Mm.29815	6	6.123	5.643	6.121	6.037	5.836	5.983	6.022	6.027	5.732	5.669	6.102	5.708	5.664	5.788	5.866	6.176	5.935	6.030	5.950	5.956	5.924	5.932	5.959	6.091	
1456637	at	Lrrtm2	BB333692	Mm.39900	18	4.629	4.436	4.640	4.721	4.453	4.544	4.645	4.541	4.497	4.413	4.393	4.607	4.561	4.444	4.451	4.633	4.664	4.402	4.568	4.633	4.779	4.474	4.593	4.620	
1456638	at	Wdr59	BB215355	Mm.247284	8	7.889	7.964	7.786	7.835	7.940	7.736	7.959	7.955	7.937	7.731	7.769	7.824	7.980	7.883	7.877	7.949	7.815	7.886	7.930	7.941	7.849	7.804	7.835	7.883	
1456639	at	Zhp398	BB199476	Mm.169059	6	6.143	5.829	6.258	6.233	6.211	6.111	6.201	6.077	6.052	5.926	5.964	5.917	6.175	6.005	6.235	6.196	6.153	6.023	6.195	6.149	6.084	6.143	6.072	5.908	
1456640	at	Sh3r12	AW910872	Mm.45472	18	8.988	8.866	9.215	9.168	9.008	8.928	9.297	9.488	9.477	8.822	9.204	8.865	9.492	9.410	8.856	9.233	9.260	9.612	9.535	9.499	9.347	9.477	9.609	9.823	9.183
1456641	at	1198007F08Rik	AV225851	Mm.260690	4	7.385	7.493	7.253	7.316	7.536	7.411	7.211	7.626	7.506	7.533	7.481	7.703	7.742	7.589	7.438	7.107	7.442	7.444	7.471	7.389	7.528	7.688	7.154	7.003	
1456642	x at	S100a10	AV295650	Mm.1	3	10.830	11.758	10.145	10.561	11.252	10.441	10.654	11.671	12.271	11.906	11.330	11.544	11.282	11.526	11.603	10.340	10.162	10.379	10.120	9.678	10.869	10.977	11.179	10.618	
1456643	at	9230114K14Rik	BB043558	Mm.383512	5	7.522	8.076	7.762	7.874	7.964	7.891	7.715	7.600	8.143	8.122	7.708	8.874	7.991	7.793	7.491	7.697	7.984	7.874	7.978	8.096	7.860	8.034	7.475	7.267	
1456644	at	5730528L13Rik	BE979570	Mm.140749	4	5.958	5.978	6.311	6.149	6.057	6.101	6.182	6.092	6.021	5.831	6.132	6.059	6.226	6.006	5.888	6.076	6.037	6.213	6.156	5.947	6.092	6.205	6.381	5.999	
1456645	at	Wdr25	BB352668	Mm.342082	12	8.002	7.890	7.861	7.860	7.828	7.823	7.792	7.864	7.834	7.941	7.706	7.798	7.861	7.839	7.787	7.806	7.730	7.839	7.929	7.864	7.905	7.756	7.740	7.863	
1456646	at	Pex10	BB753323	Mm.133114	4	8.715	8.501	8.573	8.458	8.463	8.675	8.645	8.613	8.173	8.324	8.147	8.254	8.203	8.088	8.294	8.467	8.944	8.985	8.688	8.684	8.831	8.768	8.689	8.661	
1456647	a at	Evr4	AI646535	Mm.332128	10	5.257	5.082	5.018	5.090	5.045	5.248	5.003	5.095	5.353	4.966	5.255	5.125	5.377	5.185	5.192	5.313	5.562	5.082	5.253	5.265	5.356	5.197	5.446	5.082	
1456648	at	NA	BB032580	NA	NA	7.510	7.452	7.374	7.582	7.490	7.205	7.344	7.404	7.810	7.384	7.839	7.464	7.557	7.556	7.225	7.350	7.762	7.242	7.059	7.423	7.620	7.897	7.483	7.247	
1456649	at	NA	BB538688	NA	NA	5.738	5.856	5.696	5.891	5.801	5.498	5.757	5.820	6.076	5.636	5.835	5.736	5.532	5.835	5.733	5.464	5.507	5.782	5.919	5.486	5.600	6.002	5.594		
1456650	at	NA	BB150912	NA	NA	6.998	7.056	6.768	7.084	7.024	6.901	7.051	7.112	7.207	7.005	7.190	7.135	6.928	7.175	7.212	6.877	7.173	7.016	7.047	7.047	7.034	6.940	6.994	6.937	
1456651	a at	Tpr	BO067858	Mm.174256	1	6.092	6.433	6.782	6.399	6.301	6.766	6.667	6.706	6.312	6.715	6.301	6.573	6.245	6.551	6.771	6.883	6.388	6.456	6.555	6.812	6.257	6.394	6.464	7.051	
1456652	at	Dtl	BB293562	Mm.189102	1	5.003	5.308	4.895	4.978	5.003	5.100	5.271	5.005	5.044	4.867	5.251	4.873	5.009	5.221	4.890	5.158	4.927	4.944	5.092	5.071	4.783	4.907	4.952	4.835	
1456653	a at	Mthf11	AV095209	Mm.184752	10	7.553	8.062	7.478	7.480	7.693	7.669	7.640	7.575	7.938	7.909	7.779	7.389	7.492	7.993	7.644	7.181	6.875	7.016	6.972	7.043	7.428	7.373	7.546	7.351	
1456654	at	Padr5	AV002411	Mm.273267	9	8.235	7.704	8.189	8.070	8.016	8.074	8.180	8.221	7.816	7.919	8.297	7.860	8.020	8.039	8.488	8.153	8.300	8.086	8.012	8.137	8.227	8.016	8.247	8.220	
1456655	at	NA	BM231698	NA	NA	9.737	9.710	9.771	10.394	9.827	9.782	9.545	9.582	8.619	8.553	9.852	10.287	9.781	9.827	8.694	9.586	8.591	8.875	8.838	8.821	8.906	8.709	8.603	8.964	
1456656	at	Lin7a	AI848705	Mm.268025	10	6.627	6.576	7.069	6.671	6.729	6.661	6.644	7.012	6.391	6.475	6.915	6.380	6.615	6.467	6.677	6.938	6.557	6.304	6.587	6.796	6.808	7.162	7.406	6.891	
1456657	at	Wiz	BB280432	Mm.274948	17	7.717	7.621	7.854	7.879	7.592	7.449	7.671	7.475	7.603	7.507	7.558	7.638	7.521	7.360	7.770	7.743	7.749	7.757	7.706	7.700	7.682	7.470	7.825	7.679	
1456658	at	Acta2	BM121216	Mm.213025	19	5.511	5.442	5.178	5.368	5.582	5.564	5.865	5.131	5.337	4.991	5.078	4.958	4.927	5.114	5.043	5.480	5.182	5.490	5.331	5.084	5.299	4.724	5.376	4.942	
1456659	at	LOC552902	BM116906	NA	NA	8.242	8.151	8.226	8.352	8.186	8.303	8.133	8.083	8.147	8.132	8.019	8.014	8.298	8.149	7.966	8.323	8.280	8.011	7.891	7.886	8.149	8.466	8.383	8.047	
1456660	a at	LOC10010F05Rik	BB215355	Mm.48031	11	6.744	6.750	6.767	6.885	6.940	6.858	6.866	6.658	6.574	6.651	6.671	6.686	6.562	6.487	6.584	6.385	6.384	6.385	6.384	6.385	6.384	6.385	6.384	6.385	
1456661	at	NA	BM293452	NA	NA	7.422	7.423	7.421	7.411	7.983	7.982	7.983	7.349	7.989	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	
1456662	at	AA386476	BB500282	Mm.453351	8	5.010	5.286	5.015	5.044	5.338	4.817	4.673	5.308	5.394	5.573	5.005	5.340	5.115	5.461	5.314	5.112	5.565	5.377	5.309	5.203	5.169	5.589	5.218	5.099	
1456663	x at	Tm2d2	BB718785	Mm.28626	8	10.078	10.239	9.968	9.340	9.300	9.324	10.023	9.426	9.889	9.709	9.655	10.358	10.161	10.333	9.471	9.802	9.445	9.516	9.319	9.127	9.501	9.951	9.350	9.927	
1456664	x at	Hnrrnpf	AV217426	Mm.422979	6	11.705	11.892	11.713	11.618	11.547	11.503	11.534	11.734	11.722	11.828	11.612	11.508	11.414	11.808	11.591	11.559	11.467	11.245	11.308	11.173	11.670	11.696	11.767	11.648	
1456665	at	Eya4	BB476944	Mm.332128	10	5.181	5.483	5.351	5.414	5.479	5.360	5.264	5.511	6.139	6.132	5.665	6.152	6.153	5.530	5.516	5.182	5.246	5.399	5.254	5.604	5.349	5.309	5.368	5.281	
1456666	at	2610020C07Rik	BB008064	Mm.440400	16	8.221	8.285	8.159	8.260	8.079	8.172	8.325	8.105	8.232	8.003	8.333	8.291	8.003	8.156	8.254	8.088	8.338	8.167	8.218	8.132	8.005	8.335	8.369	8.423	8.346
1456667	at	Htt	AV053740	Mm.209071	5	8.413	8.522	8.389	8.393	8.537	8.609	8.522	8.316	8.201	8.448	8.714	8.435	8.512	8.558	8.385	8.452	8.321	8.187	8.350	8.337	8.281	8.223	8.533	8.442	
1456668	at	NA	BB552848	NA	NA	5.880	5.651	5.226	5.895	5.090	5.628	6.270	5.711	5.245	5.966	5.595	5.128	5.649	5.948	5.282	5.087	5.930	5.982	5.918	5.968	5.922	5.948	5.928	5.948	
1456669	at	NA	BB324481	NA	NA	5.312	4.951	5.585	5.449	5.515	5.433	5.561	5.412	4.815	5.434	5.501	5.360	5.098	5.068	5.436	5.506	5.699	5.464	5.385	5.885	5.433	5.573	5.825	6.018	
1456670	at	A930007A09Rik	BB277721	Mm.60430	16	5.420	5.572	5.302	5.547	5.565	5.572	5.587	5.486	5.888	5.603	5.586	5.412	5.618	5.650	5.691	5.463	5.429	5.523	5.306	5.427	5.414	5.529	5.346	5.725	
1456671	at	Tbrq3	BB534512	Mm.252156	15	6.576	6.588	6.685	6.606	6.461	6.661	6.490	6.592	6.610	6.568	6.559	6.588	6.677	6.421	6.652	6.648	6.651	6.497	6.560	6.485	6.557	6.966	6.643	6.468	
1456672	at	NA	BO063254	NA	NA	8.665	8.775	8.692	8.646	8.665	8.431	8.735	8.909	8.668	8.668	8.256	8.584	8.834	8.956	8.743	8.624	8.548	8.632	8.592	8.686	8.707	8.831	8.740	8.644	
1456673	at	NA	AW554761	NA	NA	6.835	6.644	6.622	6.786	6.572	6.550	6.539	6.575	6.668	6.577	6.535	6.537	6.480	6.813	6.437	6.678	6.559	6.546	6.396	6.610	6.650	6.674	6.661	6.629	
1456674	at	E130016E03Rik	BB772877	Mm.249437	4	6.787	6.823	6.608	6.789	6.910	6.689	6.737	6.863	7.011	6.808	7.028	6.532	6.819	7.063	6.754	6.665	6.588	6							

1456723	at	NA	AV027552	NA	NA	5.364	5.462	5.486	5.486	5.310	5.461	5.134	5.163	5.537	5.482	5.531	5.496	5.773	5.360	5.446	5.593	5.268	5.044	4.992	5.055	5.195	5.114	5.333	5.331	4.987
1456724	x at	Wdr79	BB801753	Mm.31586	11	5.932	5.896	5.854	6.013	5.649	6.030	5.852	5.666	5.813	5.655	5.572	5.716	5.642	5.775	5.771	5.853	5.907	5.985	5.860	5.982	5.910	5.972	5.896	5.919	
1456725	x at	LOC100044177	BB114808	NA	15	11.099	10.683	10.861	10.992	11.072	11.014	11.024	10.901	10.850	10.793	11.026	10.766	10.986	10.931	11.011	10.827	11.161	11.060	11.083	11.300	10.970	10.857	11.096	10.849	
1456726	x at	Oars	BB270586	Mm.272427	9	10.786	11.060	10.906	10.900	10.849	10.876	10.775	10.905	11.026	10.896	10.563	11.018	10.802	10.866	10.826	10.775	11.036	10.985	10.831	10.739	10.950	11.247	10.803	10.966	
1456727	a at	Cenklid	AW413676	Mm.216227	11	11.920	12.245	11.875	11.584	12.084	11.674	11.853	11.858	12.266	12.187	11.982	12.203	12.324	12.157	12.308	11.821	11.981	11.686	11.874	12.187	11.836	12.027	11.884		
1456728	a at	Ac01	BB054075	Mm.331547	4	10.645	11.059	10.710	10.949	10.890	10.819	10.924	11.007	10.933	10.936	10.651	11.039	10.810	10.905	10.702	10.774	10.935	10.940	10.811	10.702	10.842	11.086	10.713	10.698	
1456729	x at	Rte1i	BB218661	Mm.11333	2	4.962	5.042	4.934	5.010	4.891	4.933	4.994	5.041	4.924	4.711	4.720	4.677	4.753	4.911	4.799	4.952	4.922	4.980	5.087	4.867	4.952	4.807	5.950	4.781	
1456730	x at	Act16a	BB094081	Mm.41077	3	9.710	10.069	9.921	9.731	9.767	9.935	10.112	9.987	9.600	9.621	9.909	9.622	9.594	9.812	9.831	9.837	10.020	10.048	9.990	10.031	9.883	10.002	9.937	9.935	
1456731	x at	Polr3k	AV169424	Mm.306482	2	9.107	9.015	9.264	8.939	9.093	9.295	9.303	8.983	9.138	9.106	9.153	9.036	9.090	9.179	9.259	9.118	9.823	9.164	9.189	9.362	8.829	8.995	9.041	9.055	
1456732	at	Gpd1	BB503189	Mm.252391	15	4.105	3.998	3.987	4.018	4.087	4.158	4.224	4.110	4.335	4.208	4.256	3.972	4.190	4.150	4.098	4.028	3.841	4.169	4.066	4.188	4.158	4.009	4.220	4.147	
1456733	x at	Serpinh1	BB329489	Mm.22708	7	11.933	12.968	11.845	12.253	12.612	12.152	12.076	11.789	13.319	13.314	12.863	12.635	12.972	13.344	12.698	11.948	12.926	11.492	11.985	11.725	11.122	11.537	12.468	12.435	
1456734	at	Txn1	AV217413	Mm.260618	4	8.812	8.650	8.595	8.678	8.559	8.840	8.762	8.698	8.851	8.450	8.829	8.400	8.889	8.751	8.740	8.786	8.590	8.646	8.765	8.749	8.609	8.502	8.736	8.646	
1456735	x at	Ac02i	BB458645	Mm.233031	9	7.326	8.238	8.193	7.935	7.938	8.291	8.475	7.136	6.928	7.049	6.509	8.548	8.416	8.950	6.834	8.278	7.784	8.043	8.032	7.390	6.677	6.358	6.039	6.501	
1456736	x at	Mff	AV217938	Mm.475897	1	13.154	12.766	13.270	13.100	12.793	13.164	13.212	12.863	12.214	12.756	12.756	12.831	12.547	12.794	12.955	13.108	13.039	13.035	13.105	13.159	13.107	13.203	13.230	13.300	
1456737	x at	Acaa1a	BB314154	Mm.205266	9	10.147	9.868	10.133	10.228	10.085	10.214	10.062	10.086	9.912	9.775	10.094	10.053	9.970	9.863	10.114	10.046	10.122	10.054	10.186	10.259	10.246	10.229	10.154	10.100	
1456738	s at	Brp1e	BB556275	Mm.133202	15	9.741	9.739	9.699	9.751	9.718	9.739	9.636	9.861	9.841	9.565	9.722	9.741	9.786	9.810	9.609	9.617	10.114	10.056	9.908	9.868	9.831	9.918	9.787	9.625	
1456739	x at	Armxc2	BB392869	Mm.285969	X	9.694	10.947	9.822	9.939	10.492	10.224	9.885	10.233	11.184	10.962	10.346	10.818	10.897	11.123	10.441	9.690	9.529	9.729	9.935	9.326	9.349	9.653	9.481	9.233	
1456740	x at	Coa1	BB470027	Mm.261620	11	6.628	6.529	6.561	6.617	6.830	6.536	6.719	6.891	6.756	6.872	6.711	6.950	6.796	6.805	6.969	6.860	6.803	6.912	6.693	6.800	6.808	6.803	6.858	6.829	
1456741	s at	Gpm6a	BB348674	Mm.241700	8	5.648	5.130	5.629	5.465	5.610	5.612	6.037	5.663	5.468	5.841	5.443	4.990	5.294	5.338	5.920	5.569	6.132	5.961	6.506	5.937	5.500	5.835	5.591	5.813	
1456742	x at	Tm9p2	AV277974	Mm.275191	14	7.048	6.564	6.905	7.098	6.925	6.947	7.211	7.010	6.864	6.711	7.302	6.654	7.095	6.916	6.811	6.929	6.980	6.889	7.346	7.247	6.940	6.829	7.323	7.011	
1456743	x at	Morf4i2	BB068032	Mm.27218	X	12.408	13.094	12.411	12.392	12.752	12.600	12.533	12.379	13.023	13.043	12.475	12.480	12.707	12.356	12.649	12.428	11.879	12.105	12.490	12.285	12.006	12.059	12.511	12.349	
1456744	x at	F1cn	BB270461	Mm.339640	11	5.457	4.876	5.474	5.624	5.186	5.332	5.400	5.129	5.074	5.002	5.179	5.256	5.171	4.904	5.135	5.365	5.209	5.362	5.412	5.194	5.380	5.288	5.705	5.417	
1456745	x at	Eraic3	BB253632	Mm.141276	2	8.887	9.192	8.941	9.046	9.410	9.043	9.060	9.089	9.687	9.539	9.107	9.442	9.399	9.068	9.364	8.909	9.118	9.289	9.144	9.157	9.144	9.034	9.937	9.081	
1456746	a at	Cd99i2	BB334959	Mm.283879	X	7.924	8.556	7.909	8.091	7.997	6.640	6.530	7.870	6.270	6.495	6.090	6.538	7.801	8.123	6.381	7.822	6.203	6.099	6.309	6.084	6.373	6.450	6.207	6.850	
1456747	x at	Cd99i2	BB334959	Mm.283879	X	7.215	7.444	7.269	7.168	7.508	6.298	6.214	7.166	6.285	6.582	6.394	6.124	7.881	7.177	6.139	7.021	6.174	6.052	6.020	5.987	6.052	6.247	6.308	6.356	
1456748	a at	Nipsnap1	AV306253	Mm.293716	11	5.763	5.613	5.677	5.735	5.722	5.684	5.512	5.741	5.693	5.427	5.677	5.420	5.662	5.733	5.648	5.667	5.704	5.678	5.705	5.773	5.871	5.515	5.791	5.595	
1456749	a at	NA	BB295976	Mm.381578	NA	6.178	6.139	6.178	6.596	6.188	6.180	6.188	6.048	6.196	6.037	6.103	6.067	6.215	6.205	6.082	6.065	6.182	6.059	6.182	6.059	6.031	6.063	6.031	6.084	
1456750	a at	NA	BB295976	Mm.381578	NA	5.324	5.428	5.322	5.193	5.550	5.364	5.383	5.353	5.295	5.353	5.315	5.323	5.315	5.323	5.315	5.323	5.315	5.323	5.315	5.323	5.315	5.323	5.315	5.323	
1456751	x at	5930435M05Rik	BB495258	Mm.5796	7	3.875	3.572	3.776	3.591	3.712	3.775	3.845	3.695	3.725	3.680	3.662	3.765	3.818	3.749	3.698	4.041	3.687	3.694	3.828	3.703	3.735	3.707	3.741	3.792	
1456752	at	NA	BB479526	NA	NA	7.606	7.506	7.767	7.736	7.606	7.580	7.783	7.733	7.809	7.597	7.745	7.605	7.748	7.734	7.589	7.631	7.660	7.527	7.659	7.797	7.704	7.666	7.715	7.705	
1456753	at	NA	AW020975	NA	NA	8.592	8.026	8.095	8.668	8.567	8.227	8.347	8.126	8.021	8.197	7.990	8.403	8.402	7.935	8.268	8.294	8.758	8.743	8.468	8.567	8.676	8.506	8.610	8.584	
1456754	at	Zfvev20	BB085617	Mm.290734	6	8.504	8.812	8.600	8.862	8.849	8.637	8.844	8.680	8.584	8.590	8.495	8.676	8.488	8.643	8.572	8.634	8.636	8.758	8.726	8.404	8.529	8.677	8.803	8.616	
1456755	at	Trak1	AI467455	Mm.305318	9	11.745	11.489	11.494	11.792	11.971	11.743	11.760	11.715	11.452	11.675	11.740	11.750	11.695	11.159	11.673	11.651	11.866	11.814	11.631	11.835	11.890	11.824	11.694	11.653	
1456756	at	E430016P22Rik	BB295976	Mm.381578	6	7.644	6.298	7.849	7.855	8.338	7.975	7.796	7.739	8.432	8.548	7.906	8.549	8.769	8.147	8.474	7.841	7.730	7.800	7.827	7.791	7.464	7.732	7.689	7.415	
1456757	at	NA	BB295976	Mm.381578	7	5.334	5.266	5.685	5.733	5.925	5.985	5.938	5.622	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	5.574	
1456758	at	9930017N22Rik	BB142853	Mm.403363	15	8.084	7.901	7.901	7.894	7.983	7.932	8.014	8.007	8.047	8.194	8.159	8.139	8.050	7.957	8.123	7.819	8.025	7.880	7.976	8.025	8.184	8.397	8.113	7.917	
1456759	at	NA	BB953888	NA	NA	5.675	5.286	5.381	5.506	5.568	5.463	5.409	5.295	5.385	5.325	5.481	5.527	5.254	5.320	5.256	5.271	5.377	5.474	5.604	5.694	5.653	5.366	5.433	5.505	
1456760	at	NA	BB342676	NA	NA	6.691	6.155	6.570	6.548	6.342	6.302	6.754	6.458	6.146	6.287	6.303	6.310	6.095	6.369	6.464	6.392	6.650	6.327	6.633	6.531	6.876	6.723	6.637	6.446	
1456761	at	D630030B22Rik	BB500664	Mm.419468	16	6.764	6.477	6.642	6.696	6.583	6.675	6.770	6.605	6.523	6.640	6.587	6.536	6.667	6.578	6.565	6.614	6.501	6.609	6.679	6.603	6.625	6.856	6.601	6.783	
1456762	at	Gimap2	BM237714	Mm.321047	6	7.491	7.008	7.597	7.482	7.142	7.449	7.508	7.646	7.119	7.308	7.886	7.762	7.895	7.762	7.476	7.736	7.621	7.952	7.719	7.828	7.776	8.124	7.685	7.835	
1456763	at	Mrip	BB355879	Mm.2402	11																									

1456812	at	Abcd2	AW456685	Mm.295456	15	6.010	5.955	5.886	5.996	6.076	6.197	6.049	6.396	6.182	6.051	6.142	6.166	6.200	5.879	6.132	5.934	6.383	6.153	6.435	6.415	6.185	5.894	5.934	5.948
1456813	at	NA	AI854058	NA	NA	8.935	8.627	8.894	8.791	8.585	8.830	8.793	8.621	8.113	8.372	8.241	8.274	8.273	8.176	8.314	8.818	8.873	9.374	8.958	8.902	8.829	8.839	8.829	8.759
1456814	at	Rrp7a	BF464756	Mm.473269	11	5.555	5.720	7.354	7.587	7.346	7.307	7.466	7.544	7.172	7.272	7.316	7.219	7.363	7.139	7.282	7.323	7.462	7.472	7.523	7.449	7.504	7.375	7.599	7.423
1456815	at	Foxn1	BB234926	Mm.4496	15	7.438	5.251	5.455	5.317	5.209	5.371	5.445	5.126	4.937	4.774	5.302	5.317	5.364	5.358	5.210	5.236	5.350	5.224	5.221	5.615	5.304	5.332	5.360	5.332
1456816	at	Zmz1	BG076071	Mm.227484	14	7.940	7.907	8.017	7.988	8.113	8.044	8.022	8.071	8.371	8.171	8.031	8.232	8.218	8.080	8.153	7.906	8.132	8.148	7.546	8.093	8.282	8.244	8.167	
1456817	at	NA	BB277056	NA	NA	5.874	5.536	5.870	5.727	5.686	5.839	5.777	5.836	5.808	5.639	5.719	5.755	5.609	5.643	5.633	5.802	5.017	5.795	5.707	5.863	5.935	5.823	5.685	5.817
1456818	at	Stk32a	BM279083	Mm.150401	18	6.519	6.249	6.171	6.244	6.224	6.069	6.131	6.392	6.305	6.195	6.246	6.243	6.252	6.147	6.239	6.095	6.448	6.071	6.076	6.246	6.436	6.293	6.204	6.296
1456819	at	Nrn1l	BE647993	Mm.133990	8	6.516	6.224	6.378	6.272	6.375	6.472	6.487	6.423	6.425	6.233	6.378	6.350	6.422	6.246	6.242	6.308	6.386	6.329	6.201	6.482	6.570	6.434	6.450	6.373
1456820	at	NA	AV282462	NA	NA	7.865	7.628	7.711	7.752	7.688	7.713	7.832	7.727	7.567	7.577	7.528	7.312	7.655	7.698	7.518	7.812	7.546	7.691	7.677	7.826	7.841	7.593	7.795	7.365
1456821	at	NA	BG075117	NA	NA	4.213	4.616	4.284	4.254	4.207	4.270	4.165	4.233	4.372	4.263	4.254	4.195	4.203	4.081	4.256	4.200	4.233	4.196	4.175	4.083	3.986	4.350	4.324	4.160
1456822	at	Rad23b	BB482313	Mm.196846	4	6.520	6.357	6.800	6.354	6.090	6.608	6.560	6.424	6.016	6.259	6.295	6.167	6.211	6.299	6.401	6.396	6.170	6.122	6.324	6.381	6.269	6.122	6.618	6.359
1456823	at	Gm70	AV274491	Mm.292354	12	5.324	5.118	5.109	5.175	5.008	5.095	5.125	5.210	5.138	4.824	5.156	4.966	5.380	5.084	5.076	5.158	5.151	5.003	5.411	5.301	5.201	4.956	5.158	5.200
1456824	at	Zfp612	BQ171690	Mm.87467	8	6.022	5.367	6.141	5.797	5.514	5.880	6.058	5.202	5.137	5.254	5.106	5.236	5.312	5.187	5.563	6.014	6.087	5.782	5.645	5.817	5.940	6.417	5.940	5.917
1456825	at	NA	BB482118	NA	NA	8.258	8.060	8.378	8.421	8.241	8.327	8.386	8.136	8.128	8.117	8.094	7.996	8.083	8.199	8.222	8.366	8.235	8.191	8.491	8.439	8.331	8.264	8.309	8.289
1456826	at	Taox2	BB313996	Mm.259634	7	6.228	6.416	6.449	6.713	6.839	6.599	6.568	6.536	6.478	6.573	6.719	6.480	6.578	6.497	6.494	6.571	6.555	6.691	6.501	6.520	6.709	6.544	6.595	6.103
1456827	at	Zfp87	BB131790	Mm.138283	13	4.504	4.858	4.729	4.672	4.600	4.684	4.236	4.584	4.743	4.802	4.627	4.678	4.948	4.619	4.586	4.742	4.778	4.684	4.560	4.654	4.614	4.902	4.414	4.465
1456828	at	C030023E24Rik	BB357650	Mm.447372	X	3.724	3.683	3.810	3.813	3.627	3.726	3.737	3.674	3.726	3.712	3.818	3.636	3.743	3.607	3.729	3.617	3.759	3.726	3.898	3.944	3.805	3.770	3.736	3.712
1456829	at	Pnma3	BB429412	Mm.256249	X	5.766	5.604	5.515	5.565	5.541	5.307	5.624	5.627	5.809	5.472	5.661	5.464	5.539	5.650	5.529	5.685	5.657	5.590	5.594	5.615	5.727	5.501	5.372	5.675
1456830	at	Ppp1r2	BB542221	Mm.194477	X	8.197	8.128	8.347	8.182	7.892	8.062	8.231	8.020	7.995	7.681	8.262	8.058	7.964	7.992	7.973	8.345	7.829	7.983	7.756	7.940	7.650	7.831	7.935	8.114
1456831	at	NA	BB037375	NA	NA	7.209	6.935	7.034	7.127	6.749	6.822	7.039	7.171	7.156	6.929	7.188	6.939	7.078	7.026	6.946	7.134	6.976	6.879	6.915	7.308	7.096	7.039	7.124	7.100
1456832	at	NA	BB238171	NA	NA	7.110	7.048	7.308	7.283	7.294	7.267	7.268	7.136	7.246	7.309	7.262	7.226	7.226	7.249	7.431	7.251	7.249	7.343	7.241	7.202	7.257	7.240	7.073	7.173
1456833	at	Gpr17	BB353220	Mm.391108	18	6.743	6.390	6.440	6.588	6.527	6.534	6.540	6.543	6.569	6.453	6.615	6.485	6.582	6.365	6.543	6.582	6.634	6.409	6.677	6.592	6.507	6.351	6.624	6.527
1456834	at	NA	BB277828	NA	NA	6.744	6.447	6.372	6.571	6.437	6.433	6.621	6.703	6.420	6.430	6.602	6.387	6.625	6.535	6.628	6.455	6.584	6.628	6.391	6.562	6.662	6.522	6.697	6.660
1456835	at	NA	BB437157	NA	NA	4.476	4.383	4.561	4.583	4.366	4.528	4.550	4.568	4.568	4.665	4.504	4.484	4.638	4.465	4.810	4.547	4.512	4.597	4.651	4.594	4.543	4.678	4.742	4.715
1456836	at	Itk	BM245932	Mm.339927	11	6.439	6.216	6.261	6.576	6.217	6.377	6.557	6.451	6.396	6.261	6.533	6.342	6.308	6.406	6.305	6.321	6.487	6.562	6.439	6.416	6.358	6.399	6.298	6.276
1456837	at	Asphd1	BB262764	Mm.444143	7	7.397	7.150	7.340	7.386	7.281	7.331	7.425	7.494	7.401	7.274	7.416	7.359	7.438	7.398	7.146	7.231	7.378	7.253	7.465	7.494	7.424	7.414	7.359	7.477
1456838	at	Zfpq3	MM295698	Mm.40213	10	7.494	7.307	7.368	7.405	7.308	7.368	7.477	7.494	7.368	7.477	7.494	7.368	7.477	7.494	7.368	7.477	7.494	7.368	7.477	7.494	7.368	7.477	7.494	7.368
1456839	at	NA	BM229188	NA	NA	6.587	6.215	6.348	6.419	6.258	6.347	6.553	6.119	6.055	6.257	6.260	6.435	6.141	6.478	5.501	6.341	6.478	5.501	6.341	6.478	5.501	6.341	6.478	5.501
1456840	at	NA	BM053540	NA	NA	5.829	5.875	5.862	5.919	5.891	5.817	5.950	5.714	5.777	5.886	5.774	5.786	5.790	5.891	5.863	5.980	5.887	5.813	5.992	5.996	5.774	6.035	6.000	5.966
1456841	at	NA	BM228768	NA	NA	5.536	5.359	5.361	5.426	5.336	5.528	5.572	5.505	5.567	5.355	5.329	5.029	5.474	5.533	5.443	5.339	5.306	5.457	5.526	5.607	5.431	5.493	5.587	5.479
1456842	at	Boll	BQ174097	Mm.476317	1	4.091	3.996	4.261	4.040	3.880	4.178	4.104	4.084	4.036	3.917	4.108	3.923	3.997	3.929	4.091	4.120	4.119	4.025	4.369	4.251	4.274	3.986	4.175	4.212
1456843	at	Yes1	AV319407	Mm.4558	5	8.728	8.436	8.503	8.464	8.579	8.584	8.621	8.689	8.548	8.588	8.999	8.781	8.910	8.371	8.865	8.532	8.716	8.627	8.691	8.790	8.708	8.998	8.732	8.972
1456844	at	Camk2d	AV364742	Mm.255822	3	4.043	4.058	4.061	4.066	3.999	4.127	4.022	3.990	4.144	4.050	4.586	3.843	4.074	3.995	3.994	3.891	4.144	4.157	3.909	4.254	4.053	4.120	3.844	4.012
1456845	at	Oxal1	AV299174	Mm.182340	14	6.207	6.340	6.373	6.385	6.373	6.422	6.330	6.622	6.489	6.365	6.600	6.688	6.282	6.356	6.300	6.218	6.473	6.424	6.312	6.246	6.536	6.325	6.559	6.475
1456846	at	Slc38l2p39	BB238263	Mm.11350	12	9.299	9.436	9.694	9.528	9.430	9.617	9.732	9.734	9.498	7.498	9.258	9.662	7.495	9.379	9.266	9.340	9.1874	9.340	9.1874	9.340	9.1874	9.340	9.1874	9.340
1456847	at	Ccd160	BM229882	Mm.34693	3	4.648	4.365	4.638	4.223	4.326	4.570	4.639	4.493	4.564	4.360	4.657	4.440	4.524	4.359	4.480	4.592	4.489	4.674	4.565	4.470	4.556	4.426	4.586	4.643
1456848	at	Ccdc123	MM199889	Mm.133263	7	6.036	6.083	6.318	6.223	6.415	6.092	6.418	6.282	6.232	6.364	6.254	6.291	6.171	6.383	6.328	6.469	6.413	6.444	6.309	6.326	6.269	6.258	6.404	6.432
1456849	at	NA	BB427401	NA	NA	7.702	7.474	7.780	7.846	7.969	7.937	7.838	7.850	7.777	7.954	7.672	7.733	7.754	7.618	7.783	7.874	7.868	7.684	7.829	7.682	7.523	7.584	8.066	7.849
1456850	at	NA	BB329590	NA	NA	7.007	6.794	7.016	7.058	7.004	7.010	7.051	6.996	7.079	6.879	7.103	6.845	7.055	6.999	6.897	6.902	7.037	7.201	7.074	7.063	7.031	6.855	7.072	6.970
1456851	at	NA	BM223619	NA	NA	6.017	6.177	6.006	5.978	6.069	6.127	6.041	6.211	6.411	6.272	5.932	6.302	6.334	6.234	6.153	6.211	6.401	6.114	6.009	6.104	6.312	6.120	5.730	5.967
1456852	at	Paip1	BF469258	Mm.132584	13	6.985	6.782	6.862	7.154	6.928	6.954	6.927	6.725	6.893	6.689	7.138	6.859	6.969	6.961	6.949	6.924	6.887	6.793	7.137	6.921	6.967	6.648	7.058	7.007
1456853	at	NA	AV235693	NA	NA	4.415	4.235	4.563	4.472	4																			

1456901	at	Adamts201	AI450842	Mm.214132	15	4.206	5.200	4.179	4.290	4.242	4.298	4.317	4.105	5.173	4.650	4.443	4.396	4.297	4.538	4.269	4.220	4.079	4.268	4.332	4.160	4.256	4.437	4.168	4.052
1456902	at	Satb1	BE951595	Mm.311655	17	5.240	5.154	5.277	5.353	5.291	5.267	5.306	5.255	5.129	5.222	5.244	5.285	5.179	5.214	5.380	5.407	5.396	5.285	5.237	5.324	5.278	5.317	5.269	5.362
1456903	at	Ptx3	BB470225	Mm.276776	3	6.066	6.034	5.870	6.125	5.934	5.891	6.030	6.017	6.215	5.978	6.116	6.025	6.236	6.230	5.981	5.947	5.830	5.981	5.960	5.952	6.013	5.950	6.065	5.731
1456904	at	NA	B0101405	NA	NA	4	7.385	7.524	7.521	7.503	7.546	7.372	7.372	7.692	7.425	7.408	7.447	7.526	7.267	7.221	7.558	7.457	7.522	7.561	7.321	7.481	7.466	7.576	7.232
1456905	at	Cdc24	BB011893	Mm.440118	4	6.822	6.589	6.585	6.835	6.737	6.537	6.432	6.595	6.652	6.743	6.709	6.552	6.690	6.552	6.395	6.517	6.403	6.485	6.658	6.455	6.590	6.294	6.569	6.363
1456906	at	NA	BB534800	NA	NA	4	6.776	6.678	6.82	6.699	6.703	6.730	6.981	6.474	6.73	6.770	6.292	6.711	6.427	6.688	6.736	6.708	6.627	6.815	6.501	6.479	6.726	6.874	6.687
1456907	at	Cxc9	B1104444	Mm.766	5	4.806	4.675	4.874	4.911	4.784	4.892	5.248	5.008	4.740	4.877	4.728	4.772	4.847	4.808	4.824	4.964	5.093	4.945	4.793	4.817	4.990	4.756	4.951	4.903
1456908	at	BC023202	BM114731	Mm.391606	12	7.184	7.037	7.383	7.569	7.580	7.526	7.300	6.983	7.339	7.387	7.291	7.305	7.313	7.198	7.557	7.269	7.458	7.456	7.635	7.922	7.398	7.252	7.505	7.498
1456909	at	Gp1	BF017016	Mm.589	7	8.521	9.015	8.477	8.627	8.701	8.642	8.465	8.541	8.551	8.384	8.207	8.841	8.438	8.422	8.533	8.356	8.870	8.863	8.570	8.479	8.649	8.493	8.875	8.421
1456910	at	NA	BB310553	NA	NA	6	6.534	6.236	6.536	6.415	6.553	6.555	6.354	6.574	6.401	6.211	6.466	6.406	6.571	6.417	6.379	6.389	6.625	6.552	6.492	6.499	6.575	6.792	6.516
1456911	at	Class2	BB831639	Mm.222272	9	6.481	6.230	6.355	6.292	6.186	6.303	6.315	6.085	6.130	6.266	6.392	6.096	6.215	6.141	6.364	6.282	6.564	6.624	6.593	6.580	6.540	6.364	6.390	6.832
1456912	at	Zlf6e9	BC344364	Mm.169620	4	9.915	9.643	9.819	9.822	9.959	9.626	9.878	9.846	9.909	9.900	9.859	9.525	9.491	9.521	9.989	9.808	10.330	10.523	10.396	10.223	10.178	10.041	10.162	10.131
1456913	at	Slc16a4	BB476471	NA	NA	4	7.687	7.660	8.191	7.931	7.685	7.742	7.709	7.712	7.578	7.644	7.669	7.874	7.580	7.793	7.785	8.093	7.172	7.531	7.454	7.529	7.607	7.636	7.968
1456914	at	NA	AV231970	Mm.38384	3	6.753	7.011	7.072	7.080	7.251	7.198	6.940	6.940	7.272	6.723	7.272	6.654	7.196	6.897	7.160	7.175	7.111	7.254	7.558	7.161	7.153	7.083	7.212	7.259
1456915	at	Paolb	AV255224	Mm.441372	5	6.088	5.869	6.039	6.034	5.977	6.005	6.145	6.106	5.990	5.996	5.967	5.765	5.986	5.963	6.166	6.179	5.991	5.988	6.079	6.211	6.004	5.738	6.099	6.073
1456916	at	Nsd1	BG067058	Mm.12964	13	6.187	6.092	6.182	6.250	6.271	6.234	6.327	6.220	6.335	6.296	6.247	6.230	6.345	6.223	6.420	6.238	6.173	6.244	6.308	6.394	6.207	6.250	6.177	6.080
1456917	at	Artfgef1	AV0542214	Mm.229141	1	7.145	7.129	6.916	7.147	7.043	6.982	7.140	7.191	7.092	7.108	6.935	6.916	6.886	7.009	7.103	7.069	7.200	6.758	7.187	6.906	7.128	7.305	7.267	6.889
1456918	at	Raph1	BB667412	Mm.440325	1	9.944	9.621	10.113	9.973	9.746	10.122	10.023	9.809	9.109	9.446	9.207	9.794	9.840	9.619	9.664	9.892	9.886	10.055	10.495	10.013	9.735	10.252	9.913	10.013
1456919	at	A930013B10Rik	BB750000	Mm.124287	11	6.498	6.345	6.385	6.504	6.378	6.478	6.327	6.421	6.434	6.329	6.523	6.409	6.480	6.354	6.335	6.532	6.587	6.459	6.459	6.611	6.515	6.402	6.570	6.587
1456920	at	NA	AU045135	NA	NA	3	7.233	6.744	7.118	7.076	6.886	7.025	7.028	7.194	6.783	6.772	7.039	6.836	7.011	7.089	6.987	7.137	6.920	6.795	6.909	7.075	7.037	7.024	7.151
1456921	at	NA	BE956991	NA	NA	6	7.799	6.325	6.813	6.612	6.526	6.572	6.613	6.573	6.451	6.401	6.535	6.190	6.471	6.532	6.530	6.555	6.536	6.403	6.566	7.042	6.548	6.394	6.593
1456922	at	Srx29	AV552024	Mm.443325	16	7.325	7.128	7.336	7.448	7.077	7.028	7.336	7.126	7.246	7.027	7.159	7.091	7.212	7.104	7.078	7.077	7.183	7.092	7.085	7.117	6.945	7.289	7.305	7.180
1456923	at	Tnp3	BB377721	Mm.131943	19	4.562	4.193	4.404	4.678	4.251	4.608	4.667	4.631	4.486	4.533	4.882	4.606	4.523	4.618	4.635	4.687	4.529	4.975	4.722	4.893	4.551	4.495	4.549	4.604
1456924	at	AW492981	AI552423	Mm.376405	19	6.962	7.122	7.243	7.387	7.211	7.209	7.213	7.183	7.221	7.062	6.985	6.940	7.169	7.052	7.053	7.158	7.260	7.400	7.455	7.443	7.263	7.101	7.345	7.312
1456925	at	P2rx6	AV049013	Mm.8032	16	6.951	6.966	6.848	7.168	6.918	6.910	7.030	6.911	6.850	6.796	6.186	6.813	6.871	6.703	6.907	6.991	7.041	7.163	7.007	7.186	7.087	7.065	7.054	7.154
1456926	at	Rims4	BB049544	Mm.330760	2	5.979	5.721	6.021	6.076	5.760	5.765	5.975	5.889	5.790	5.733	5.953	5.649	5.845	5.672	5.799	6.045	5.819	5.873	5.881	6.015	5.695	5.553	6.099	5.892
1456927	at	NA	MB367890	Mm.9287	4	8.543	8.564	8.568	8.578	8.351	8.847	8.865	8.716	8.875	8.868	8.875	8.881	8.881	8.934	8.848	8.934	8.814	8.848	8.934	8.814	8.848	8.934	8.814	8.848
1456928	at	NA	AW123678	NA	NA	4	5.979	5.721	6.021	6.076	5.760	5.765	5.975	5.889	5.790	5.733	5.953	5.649	5.845	5.672	5.799	6.045	5.819	5.873	5.881	6.015	5.695	5.553	6.099
1456929	at	BC042782	BM235852	Mm.55872	4	6.953	6.624	7.120	6.837	6.872	6.888	6.966	6.903	6.356	6.665	6.811	6.797	6.849	6.990	6.894	6.984	7.034	7.083	7.051	6.987	6.918	6.901	6.894	7.022
1456930	at	Camsap1	BE989461	Mm.36834	2	8.909	8.532	8.949	8.833	8.899	8.794	8.774	8.811	8.464	8.692	8.896	8.962	8.845	8.509	9.176	8.836	8.795	8.720	8.801	8.836	8.843	8.895	9.102	9.073
1456931	at	CS8363	BB235388	Mm.436986	14	7.282	6.835	7.260	7.243	7.139	7.140	7.234	7.141	7.053	7.173	7.071	6.877	7.054	7.070	7.390	7.337	7.129	7.134	7.161	7.218	7.246	7.209	7.366	7.338
1456932	at	EG330503	BB377803	Mm.471846	7	9.762	9.348	9.856	9.910	9.389	9.442	9.667	9.453	9.200	9.458	9.481	9.403	9.356	9.344	9.547	9.661	9.515	9.537	9.551	9.637	9.640	9.577	9.710	9.616
1456933	at	NA	BB713556	NA	NA	6	6.379	6.183	6.357	6.105	6.133	6.286	6.175	5.780	6.010	6.155	6.418	6.039	5.948	6.147	6.267	6.304	6.013	6.051	6.062	5.933	6.095	5.868	6.313
1456934	at	Calb1	BB177770	Mm.277665	4	4.069	4.042	4.047	4.103	3.930	4.051	4.084	3.948	3.953	3.905	4.141	3.873	4.007	3.900	4.027	4.143	3.962	4.082	4.068	4.048	4.119	4.041	3.988	4.092
1456935	at	Alb60473	AI060473	NA	NA	3	5.572	5.598	5.519	5.576	5.356	5.625	5.592	5.539	5.593	5.413	5.690	5.532	5.743	5.592	5.557	5.596	5.596	5.596	5.596	5.596	5.596	5.596	5.596
1456936	at	Cabp4	BF461761	Mm.379226	19	3.996	3.803	3.897	3.734	3.880	3.800	3.752	3.929	3.951	3.901	3.872	3.744	3.850	3.944	3.784	3.879	3.831	3.823	3.819	3.946	3.881	3.792	3.934	3.788
1456937	at	Ctd26	BB748621	Mm.330860	2	6.603	6.194	6.471	6.295	6.446	6.309	6.728	6.229	6.366	6.046	6.443	6.271	6.215	6.226	6.429	6.610	6.333	6.500	6.407	6.579	6.612	6.425	6.416	6.637
1456938	at	Smarrc1	BB820473	Mm.279751	10	6.318	6.392	6.177	6.366	6.303	6.290	6.283	6.454	6.361	6.466	6.362	6.476	6.394	6.514	6.417	6.242	6.321	6.350	6.422	6.385	6.353	6.435	6.181	6.482
1456939	at	L700129I04Rik	BB660640	Mm.222812	7	6.724	6.950	6.978	7.146	6.927	7.055	7.005	6.716	7.023	6.809	7.021	6.960	6.972	6.953	6.840	6.874	7.147	6.946	6.927	7.016	7.196	7.171	6.917	6.942
1456940	at	Slc34a2	BF146873	Mm.11186	11	4.485	4.641	4.609	4.331	4.962	4.440	4.442	4.305	4.520	4.388	4.413	4.125	4.582	4.478	4.361	4.426	4.402	4.164	4.404	4.388	4.218	4.242	4.441	4.447
1456941	at	NA	BB400861	Mm.101019	13	3.893	3.974	3.802	4.110	4.091	3.977	3.871	4.001	4.159	4.155	4.047	4.034	4.021	4.098	3.977	4.136	4.093	3.897	4.094	3.831	4.003	4.010	3.965	4.082
1456942	x	at	BM030623																										

1456990	at	NA	BB199484	NA	NA	5.080	4.873	5.160	5.106	5.129	5.304	5.152	5.152	4.948	5.431	5.104	5.334	4.843	5.257	5.077	5.129	5.084	5.185	5.084	4.958	4.776	5.138	5.138		
1456991	at	NA	BM237837	NA	NA	7.075	6.358	6.729	6.722	6.729	6.614	6.744	6.537	6.156	6.090	6.451	6.383	6.342	6.214	6.354	6.549	6.776	6.738	6.358	6.609	6.851	7.101	7.236	6.804	
1456992	at	Ube3c	BB296513	Mm.137746	5	7.148	7.071	7.052	7.137	6.995	7.136	7.125	7.252	7.017	7.007	7.232	7.103	7.182	7.115	7.142	7.159	7.596	7.215	7.145	7.152	7.212	7.252	7.329	7.063	
1456993	at	D2Ert6640e	BB390674	Mm.395905	2	6.913	6.668	6.730	6.820	6.853	6.762	6.774	6.797	6.621	6.919	6.755	6.559	6.711	6.627	6.792	6.584	6.692	6.818	6.836	6.899	7.050	6.674	6.865	6.741	
1456994	at	Rasaf1	AU044980	Mm.12091	9	3.455	3.471	3.538	3.585	3.575	3.460	3.558	3.518	3.581	3.581	3.505	3.727	3.596	3.633	3.566	3.471	3.459	3.548	3.583	3.548	3.627	3.510	3.513	3.459	
1456995	at	Z700045P11Rik	BB426857	Mm.310139	16	4.217	4.251	4.201	4.335	4.236	4.183	4.318	4.424	4.225	4.202	4.242	4.253	4.362	4.138	4.229	4.159	4.290	4.126	4.286	4.126	4.152	4.282	4.152	4.485	
1456996	at	119005F20Rik	BB284213	Mm.289373	1	6.708	6.652	6.865	6.745	6.752	7.071	6.858	6.402	6.538	6.693	6.411	6.659	6.334	6.478	6.810	6.778	6.988	6.922	6.918	6.977	6.733	6.746	7.077	6.685	
1456997	at	NA	BB344611	NA	NA	5.902	5.780	5.851	5.739	5.975	6.079	5.893	5.894	5.863	5.856	5.925	5.824	5.870	5.923	5.927	6.001	6.308	5.798	5.883	6.094	5.665	5.781	6.164	6.110	
1456998	at	Dhph2t	AU023363	Mm.341686	12	3.555	3.530	3.741	3.717	3.579	6.095	3.624	3.596	3.597	3.722	3.769	3.498	3.616	3.463	3.674	3.676	3.626	3.798	3.778	3.776	3.690	3.725	3.779	3.825	
1456999	at	Wlp2t	BB296199	Mm.29432	5	6.803	6.394	6.794	6.852	6.630	6.581	6.834	6.764	6.579	6.720	6.568	6.846	6.783	6.883	6.753	6.770	6.970	6.816	6.871	6.768	6.803	6.786	6.897	6.961	
1457000	at	BC060267	BE952917	Mm.333333	6	5.277	4.989	5.354	5.308	4.911	5.288	5.197	4.999	5.005	4.980	4.840	5.127	5.113	4.912	5.120	5.071	5.238	5.257	5.231	5.256	5.132	5.255	5.298	5.185	
1457001	at	Cemok	BF018652	Mm.281489	13	3.962	3.856	4.026	3.741	3.795	3.948	4.037	4.048	3.898	3.823	4.066	3.635	3.865	4.137	3.942	4.110	3.962	4.031	3.898	4.211	3.891	3.890	3.890	3.915	
1457002	at	Zfp408	BB932349	Mm.330401	2	6.117	6.656	6.253	6.380	6.366	6.085	6.071	6.403	6.507	6.407	6.498	6.784	6.470	6.454	6.419	6.439	6.628	6.261	6.570	6.107	6.646	6.246	6.121	6.194	
1457003	at	Grin2b	AW490526	Mm.436649	6	5.436	5.015	5.274	5.248	5.202	5.222	5.187	5.218	5.187	5.069	5.341	5.226	5.192	5.323	5.280	5.292	5.155	5.152	5.105	5.402	5.358	5.262	5.590	5.285	
1457004	at	D1f5Wsu169e	BB698378	Mm.322931	15	7.615	7.712	7.650	7.809	7.473	7.520	7.721	7.870	7.431	7.553	7.554	7.361	7.431	7.514	7.451	7.574	7.636	7.476	7.434	7.534	7.634	7.451	7.598	7.617	
1457005	at	Mtfmt	BB803387	Mm.287956	9	7.127	7.380	6.533	6.898	7.048	6.638	6.927	7.124	7.253	7.169	6.750	6.846	7.073	6.697	6.831	6.681	7.444	7.275	7.067	7.073	7.354	7.267	6.924	6.944	
1457006	at	1700106J12Rik	AI449781	NA	19	5.612	5.586	5.683	5.672	5.598	5.821	5.637	5.813	5.613	5.801	5.905	5.651	5.661	5.613	5.650	5.831	5.684	5.666	5.669	5.750	5.584	5.780	5.831	5.787	
1457007	at	NA	BI793615	NA	NA	8.794	8.679	8.830	8.807	8.805	8.935	8.765	8.723	8.619	8.682	8.874	8.596	8.697	8.671	8.885	8.856	8.873	8.713	8.780	8.898	8.767	8.780	8.901	8.816	
1457008	at	Chnrb4	AW456706	Mm.32694	9	7.357	6.846	7.374	7.177	7.173	7.171	7.201	7.129	7.221	7.077	7.346	7.176	7.011	7.235	7.149	7.099	7.204	7.054	7.250	7.225	7.185	7.147	7.398	7.401	
1457009	at	Rhob1b3	AW260070	Mm.276200	13	8.604	9.119	9.384	8.875	9.011	8.999	8.952	8.659	8.667	8.662	8.907	8.416	8.673	8.341	8.709	9.405	9.186	9.268	9.274	9.254	9.100	9.587	9.007	9.319	
1457010	at	3010001F23Rik	AW049649	Mm.287381	X	4.363	4.130	4.167	4.252	4.163	4.204	4.206	4.231	4.358	4.391	4.249	4.281	4.090	4.289	4.148	4.079	4.298	4.488	4.283	4.169	4.143	4.071	4.220	4.176	
1457011	at	NA	BB797251	NA	NA	4.330	4.041	4.191	4.145	4.226	4.338	4.323	4.269	4.162	4.187	4.238	4.253	4.263	4.245	4.254	4.231	4.580	4.261	4.046	4.282	4.356	4.380	4.262	4.214	
1457012	at	Dxbx1	AI426026	Mm.307176	7	6.778	6.653	6.875	6.838	6.602	6.681	6.580	6.695	6.484	6.601	6.669	6.786	6.570	6.602	6.608	6.865	6.863	6.805	6.812	6.803	6.777	6.833	6.941	7.084	
1457013	at	Garnl1	BB731827	Mm.292180	12	7.588	7.543	7.471	7.911	7.647	7.641	7.642	7.880	7.005	7.558	7.355	7.742	7.516	7.035	7.464	7.612	7.729	7.769	7.670	7.848	8.091	7.966	7.918	7.667	
1457014	x at	Slc16a8	BB543112	Mm.441697	15	4.466	4.391	4.765	4.509	4.579	4.747	4.736	4.370	4.444	4.599	4.393	4.835	4.479	4.659	4.572	4.577	4.448	4.777	4.595	4.737	4.660	4.531	4.465	4.490	
1457015	at	100043072	BB258427	Mm.242832	14	3.961	3.721	4.169	4.001	3.881	3.921	3.965	3.950	4.118	4.030	4.078	3.928	3.902	3.865	3.925	3.909	4.129	4.057	4.159	3.964	4.033	3.847	4.732	4.077	
1457016	at	NA	BE952917	Mm.333333	NA	5.995	5.925	5.983	6.043	5.985	5.998	5.985	5.995	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	5.985	
1457017	at	2410005O16Rik	BB371903	Mm.440686	4	6.718	6.585	5.549	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	5.545	
1457018	at	Kcnma1	BB075134	Mm.343607	14	3.572	3.609	3.742	3.630	3.693	3.674	3.570	3.584	3.628	3.765	3.649	3.830	4.007	3.631	3.703	3.657	3.664	3.786	3.684	3.695	3.581	3.548	3.624	3.718	
1457019	s at	Rdh14	BB241474	Mm.119343	12	6.837	6.529	6.942	6.841	6.701	6.968	6.692	6.596	6.620	6.668	6.651	6.589	6.666	6.620	6.714	6.703	6.684	6.852	6.636	7.133	6.833	6.668	6.616	6.739	
1457020	at	NA	BB534501	NA	NA	7.875	7.493	7.837	7.940	7.927	8.158	8.056	7.629	7.666	7.857	7.703	7.905	7.647	7.622	7.808	8.094	8.291	8.074	8.115	7.982	7.792	8.246	8.017	8.099	
1457021	x at	Amhr2	AV209206	Mm.60331	15	5.238	5.056	4.923	4.927	5.111	4.924	4.976	5.230	5.142	4.905	4.764	5.368	5.396	4.983	4.951	4.805	5.496	5.004	4.815	4.688	5.441	5.187	5.054	4.885	
1457022	at	NA	BB114080	NA	NA	7.729	7.165	7.812	7.287	7.430	7.721	7.847	7.478	7.366	7.526	7.993	7.473	7.603	7.213	7.935	7.743	7.436	7.478	7.461	7.478	7.843	7.642	8.124	8.096	
1457023	at	5830411G16Rik	BB352962	Mm.105343	6	5.481	5.346	5.277	5.528	5.335	5.452	5.279	5.221	5.299	5.289	5.292	5.255	5.436	5.226	5.383	5.296	5.517	5.209	5.473	5.602	5.625	5.500	5.270	5.625	
1457024	at	NA	BB114080	NA	X	8.603	9.267	9.025	8.971	9.328	8.845	8.932	8.896	8.797	8.987	8.840	9.738	8.817	9.268	9.932	9.865	9.488	9.955	9.268	9.955	9.268	9.955	9.268	9.955	
1457025	at	4833413O15Rik	AV249306	Mm.298546	4	4.059	3.794	3.718	3.963	3.697	3.946	3.832	3.812	3.762	3.774	3.901	3.843	3.772	3.840	3.712	3.674	3.979	4.201	4.030	4.057	3.836	3.747	3.846	3.821	
1457026	at	Liph	BB367422	Mm.33192	16	5.213	4.710	4.961	5.071	5.055	4.989	5.166	4.963	5.100	4.985	5.123	4.927	4.872	5.065	5.035	5.193	5.345	4.957	5.006	5.250	4.930	5.090	5.163	5.095	
1457027	at	Dhtkd1	BB667395	Mm.222517	2	7.811	7.138	7.919	7.792	7.020	7.701	7.737	7.737	7.435	6.919	7.317	7.126	7.341	7.244	7.144	7.763	7.906	7.514	7.760	7.753	7.906	7.871	7.727	7.595	7.863
1457028	at	A430033K04Rik	BM226884	Mm.36612	5	6.599	6.726	7.155	6.858	6.819	7.395	7.066	6.831	7.028	7.160	6.566	7.015	6.886	7.048	6.891	6.952	7.346	6.985	7.195	7.273	6.831	6.826	7.230	6.866	
1457029	at	LOC100043911	BI900155	Mm.260590	2	6.564	6.730	6.449	6.610	6.819	6.444	6.443	6.679	6.739	6.652	6.623	6.959	6.495	6.512	6.528	6.624	6.854	6.738	6.570	6.284	6.343	6.603	6.309	6.377	
1457030	at	MirQ	BO175737	Mm.260543	12	5.707	5.754	5.721	5.930	5.791	5.774	5.764	5.715	5.827	5.929	5.689	5.689	5.824	5.784	5.678	5.727	5.875	5.734	5.874						

1457079	at	NA	BB023667	NA	NA	4.606	5.039	4.824	4.800	4.780	4.706	4.535	4.961	4.635	4.825	4.797	4.872	4.844	4.741	4.665	4.678	4.549	4.661	4.540	4.574	4.428	4.663	4.688	4.563	
1457080	at	NA	BB046159	NA	NA	6.299	6.051	6.220	6.351	6.061	6.182	6.272	5.998	6.138	5.876	6.097	6.049	6.265	5.907	6.114	6.168	6.065	6.115	6.185	6.349	6.000	6.277	6.203	6.152	
1457081	at	D630038D15Rik	BB0502187	NA	9	6.280	6.374	5.954	6.258	6.364	6.322	6.378	6.422	6.440	6.359	6.232	6.389	6.223	6.521	6.161	6.419	6.434	6.418	6.267	6.457	6.675	6.692	6.466		
1457082	at	NA	BM508445	NA	NA	7.151	7.053	7.045	7.205	7.129	7.261	7.263	7.153	7.184	7.175	7.384	7.009	7.082	7.131	7.173	6.916	6.816	7.153	7.309	7.309	7.135	6.878	7.304	7.173	
1457083	at	NA	BB278392	NA	NA	6.357	6.815	6.322	6.537	6.589	6.447	6.385	6.584	6.777	6.680	6.571	6.682	6.571	6.842	6.455	6.551	6.580	6.476	6.586	6.685	6.472	6.580	6.472	6.405	
1457084	at	ENig9b	BC068767	MM.277114	7	7.232	7.053	7.387	7.387	7.386	7.131	7.298	7.134	7.220	7.110	7.532	7.081	7.259	7.269	7.217	7.162	7.257	7.257	7.162	7.300	7.242	7.036	7.220	7.122	
1457085	at	EGN665934	AV378858	MM.381491	5	4.257	4.587	4.343	4.572	4.502	4.570	4.335	4.509	4.750	4.370	4.667	4.599	4.550	4.734	4.332	4.397	4.603	4.542	4.628	4.516	4.656	4.492	4.548	4.303	
1457086	at	D930028M14Rik	AV123201	MM.59171	7	7.905	7.630	7.799	7.807	7.579	7.713	7.842	7.894	7.604	7.644	7.862	7.612	7.634	7.563	7.776	7.824	7.933	7.766	7.870	7.822	7.784	7.759	7.711	7.811	
1457087	at	B900083I11Rik	BI134263	MM.271230	5	4.913	4.426	4.769	4.478	4.642	4.621	4.690	4.886	4.666	4.628	4.586	4.429	4.758	4.512	4.539	4.473	4.662	4.789	4.492	4.775	4.715	4.563	4.781	4.597	
1457088	at	Pldn	BB780781	MM.268921	2	8.225	8.760	8.466	8.377	8.167	8.479	8.585	8.486	8.720	8.879	8.273	8.734	8.625	8.757	7.932	8.506	8.251	8.213	8.400	8.399	7.805	8.228	7.748	7.680	
1457089	at	NA	BG070419	NA	NA	6.685	6.690	6.738	6.761	6.775	6.733	6.720	6.696	6.762	6.969	6.671	6.634	6.799	6.557	6.887	6.709	6.585	6.628	6.506	6.685	6.646	6.680	6.479	6.780	
1457090	at	NA	AV244724	NA	NA	5.738	5.672	5.572	5.811	5.717	5.637	5.648	5.743	5.943	5.697	5.688	5.642	5.662	5.636	5.681	5.575	5.695	5.625	5.518	5.601	5.721	5.632	5.640	5.755	
1457091	at	4930526D03Rik	AV267411	MM.212749	2	4.812	4.386	4.452	4.469	4.554	4.535	4.527	4.487	4.487	4.604	4.751	4.512	4.391	4.582	4.511	4.447	4.371	4.679	4.522	4.519	4.411	4.328	4.388	4.534	
1457092	at	C630007B19Rik	AV212549	MM.333278	6	6.752	6.390	6.682	6.507	6.639	6.569	6.682	6.451	6.495	6.537	6.608	6.659	6.624	6.627	6.595	6.642	6.578	6.691	6.647	6.852	6.687	6.527	6.674	6.474	
1457093	at	Gaovd1	AV370079	MM.156452	2	7.668	7.549	7.658	7.835	7.595	7.634	7.825	7.571	7.628	7.494	7.808	7.677	7.641	7.586	7.554	7.679	7.561	7.453	7.596	7.911	7.775	7.415	7.772	7.600	
1457094	at	NA	AV229195	MM.225	3	8.806	8.827	9.061	8.923	8.956	8.894	9.011	9.358	8.799	9.042	9.234	9.079	9.124	9.060	9.252	9.034	8.857	9.030	8.837	8.984	9.121	9.202	9.085	9.160	
1457095	at	NA	BE980553	NA	NA	7.483	7.463	7.593	7.604	7.469	7.438	7.636	7.407	7.728	7.404	7.512	7.154	7.530	7.606	7.406	7.584	7.431	7.403	7.466	7.759	7.601	7.384	7.557	7.585	
1457096	at	6430520M22Rik	AV341352	MM.396926	6	6.061	5.779	5.951	5.784	6.062	6.182	6.102	6.098	5.998	6.156	6.152	5.987	6.074	6.135	6.077	6.100	6.063	5.849	6.286	6.196	6.003	6.278	6.054	6.130	
1457097	at	Skaap2	BB212597	MM.221479	6	7.368	7.459	7.281	7.408	7.208	7.437	7.279	7.186	7.402	7.169	7.273	7.177	7.124	7.436	7.242	7.279	7.125	7.169	7.170	7.190	7.068	7.079	7.797	7.397	
1457098	at	NA	Ttill1	MM.21591	2	4.953	4.666	4.728	4.783	4.695	4.486	4.563	4.692	4.610	4.702	4.717	4.798	4.598	4.685	4.678	4.514	4.585	4.757	4.667	4.672	4.666	4.668	4.850	4.689	
1457099	at	NA	BB767526	NA	NA	6.446	6.492	6.490	6.515	6.512	6.374	6.509	6.454	6.612	6.409	6.675	6.444	6.679	6.604	6.610	6.582	6.575	6.328	6.467	6.572	6.520	6.431	6.695	6.632	
1457100	at	AW552889	AW552889	MM.382207	9	4.477	4.208	4.581	4.623	4.381	4.453	4.417	4.352	4.321	4.458	4.487	4.605	4.563	4.445	4.457	4.652	4.353	4.626	4.453	4.544	4.557	4.577	4.615	4.647	
1457101	at	NA	BB201224	NA	NA	6.151	6.057	6.282	6.239	6.105	6.040	6.114	6.045	5.863	6.051	6.344	6.141	6.122	6.084	6.270	5.972	6.240	6.120	6.105	5.981	6.107	5.894	6.078	6.076	
1457102	at	A030001D16Rik	BB149729	MM.95774	18	5.447	5.694	5.633	5.492	5.586	5.874	5.636	5.582	5.567	5.372	5.727	5.491	5.475	5.578	5.577	5.602	5.839	5.576	5.640	5.802	5.606	5.596	5.820	5.781	
1457103	at	NA	BG072043	MM.393694	6	6.928	6.634	6.827	6.704	6.791	6.621	6.891	6.860	6.730	6.756	6.886	6.782	6.813	6.573	6.746	6.906	6.777	6.777	6.720	6.841	6.746	6.735	6.919	6.821	
1457104	at	NA	BB310026	NA	NA	5.366	5.350	5.214	5.258	5.065	5.254	5.331	5.071	5.246	5.273	5.135	5.262	5.414	5.344	5.140	5.315	5.196	5.190	5.118	4.996	5.130	5.186	5.166	5.191	
1457105	at	NA	PK4211	MM.306481	19	5.124	4.953	5.028	5.028	5.095	5.044	5.093	5.021	4.952	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028	5.028
1457106	at	Thada	BB140804	MM.246767	17	7.138	7.111	7.167	7.84	6.965	6.856	6.856	6.985	6.665	6.933	6.922	7.006	6.720	6.929	6.929	6.929	6.929	6.929	6.929	6.929	6.929	6.929	6.929	6.929	
1457107	at	NA	BB531660	NA	NA	7.492	7.643	7.361	7.562	7.711	7.531	7.520	7.485	7.628	7.832	7.713	7.726	7.652	7.561	7.701	7.466	7.313	7.242	7.445	7.558	7.462	7.265	7.786	7.438	
1457108	at	NA	BM240690	NA	NA	6.473	6.425	6.402	6.383	6.280	6.483	6.401	6.294	6.080	6.101	6.580	6.293	6.432	6.358	6.415	6.617	6.412	6.525	6.548	6.308	6.530	6.327	6.508	6.982	
1457109	x at	NA	BB699603	NA	NA	3.641	3.559	3.671	3.535	3.558	3.583	3.536	3.548	3.553	3.521	3.508	3.584	3.584	3.656	3.565	3.719	3.616	3.661	3.594	3.606	3.530	3.584	3.552		
1457110	at	Pank1	BB440150	MM.24742	19	6.290	5.956	6.714	6.868	6.177	7.027	6.681	5.911	5.522	5.684	5.751	6.084	5.544	5.941	6.040	6.448	6.456	6.527	6.366	6.428	6.324	6.304	7.145	6.349	
1457111	at	AA415038	AV318727	MM.150857	11	8.094	7.712	7.911	7.596	7.864	7.841	7.907	7.817	7.870	7.751	7.510	7.849	7.644	7.430	7.753	7.950	7.941	7.978	7.726	7.865	7.792	8.041	8.021	7.714	
1457112	at	A230106N23Rik	BB183509	MM.150857	1	7.239	6.831	7.055	7.127	7.066	6.702	7.187	6.991	7.049	6.922	7.048	7.064	7.062	7.017	6.844	6.910	6.982	6.910	6.979	6.990	7.295	7.292	8.300	7.218	
1457113	at	NA	NA	MM.257181	4	6.821	6.339	6.423	7.382	6.395	6.305	7.448	6.304	6.930	6.821	6.930	6.821	6.930	6.821	6.930	6.821	6.930	6.821	6.930	6.821	6.930	6.821	6.930	6.821	
1457114	at	NA	BB475906	NA	NA	8.264	8.115	8.076	8.241	7.996	7.887	8.263	8.164	8.205	8.046	8.295	8.032	8.117	8.118	8.081	8.007	8.211	8.267	8.216	8.290	8.210	8.015	8.172	8.357	
1457115	at	ENSMUSG000000	BE854242	MM.44438	8	6.630	6.313	6.490	6.495	6.425	6.219	6.486	6.489	5.995	6.302	6.391	6.347	6.464	6.238	6.283	6.547	6.504	6.322	6.520	6.498	6.390	6.776	6.659	6.314	
1457116	at	NA	BE555624	MM.11116	10	7.142	7.108	7.118	7.202	7.042	7.020	7.138	7.109	7.186	7.034	6.997	7.142	7.200	6.997	7.029	7.227	7.170	7.153	7.088	7.176	7.117	7.119	7.299	7.257	
1457117	at	Rexo1	AV248273	MM.1025	2	5.294	5.505	5.537	5.422	5.299	5.570	5.710	5.400	5.137	5.356	5.669	5.179	5.677	5.505	5.277	5.623	5.644	5.559	5.741	5.648	5.403	5.685	5.588	5.603	
1457118	at	Eld1	AV353605	MM.425101	2	6.422	6.592	6.267	6.275	6.851	6.286	6.345	6.674	7.045	7.144	7.598	6.759	6.765	6.658	6.916	6.917	6.611	6.500	6.420	6.498	6.452	6.189	6.628	6.376	
1457119	at	NA	BI134152	NA	NA	6.066	5.738	5.724	5.523	5.542	5.577	5.645	5.591	5.696	5.552	5.784	5.783	5.567	5.459	5.554	5.515	5.998	5.654	5.609	5.510	5.760	5.664	5.510	5.533	
1457120	at	NA	BB587394	MM.399621	11	6.																								

1457168	at	NA	BB311306	NA	NA	8.050	8.113	7.988	8.001	8.216	8.037	8.112	7.868	7.904	7.899	7.657	7.996	7.829	7.630	7.914	7.935	7.835	7.929	7.720	7.826	7.796	7.938	7.839	7.285
1457169	at	NA	BB521745	NA	NA	8.200	8.162	8.500	8.221	8.043	8.578	8.138	7.911	7.466	8.182	7.529	7.998	8.111	8.029	8.044	8.508	8.215	8.352	8.303	8.163	8.256	8.574	8.127	8.101
1457170	at	Lrrc36	BB016410	Mm.212709	8	4.728	4.573	4.736	4.757	4.613	4.688	4.682	4.996	4.667	4.817	4.778	4.808	4.660	4.685	4.780	4.740	5.013	4.793	4.964	4.641	4.909	4.935	4.950	4.740
1457171	at	NA	BB334885	NA	NA	8.131	7.891	8.219	8.137	7.880	8.037	8.051	8.004	7.939	7.935	8.220	7.938	7.958	8.029	8.055	8.095	7.987	7.855	8.036	8.221	8.016	7.934	8.120	8.105
1457172	at	Arhaef15	BB461461	Mm.376147	11	8.023	7.983	7.988	8.140	7.951	8.000	7.920	8.170	7.982	7.986	7.700	7.626	8.069	8.034	8.015	8.127	7.985	8.277	7.943	8.277	7.943	8.277	8.341	8.021
1457173	at	NA	AV235415	NA	NA	5.921	6.154	5.977	5.947	5.994	5.987	5.942	5.866	5.922	5.759	5.737	5.745	5.877	5.738	5.752	6.094	5.735	5.727	5.872	5.872	5.912	6.278	5.767	
1457174	at	AU015680	BB131588	Mm.227443	9	4.965	5.306	5.001	4.810	5.097	5.108	5.034	5.145	5.258	5.584	5.018	5.460	5.241	5.109	5.337	4.955	5.234	5.006	4.958	4.915	5.139	5.112	4.846	5.083
1457175	at	NA	BB098324	NA	NA	7.909	7.839	7.981	7.977	8.050	7.830	7.782	7.965	7.983	8.114	7.902	8.261	8.305	7.981	8.040	8.017	7.884	7.897	7.820	7.896	7.980	8.063	8.048	7.954
1457176	at	NA	BB148426	NA	NA	8.171	7.752	8.125	8.130	7.963	8.019	8.124	7.676	7.729	7.798	7.933	8.014	7.811	7.974	8.100	7.941	7.850	7.908	8.065	8.147	8.008	8.008	8.208	8.130
1457177	at	NA	BB050663	NA	NA	7.538	7.159	7.592	8.019	7.906	8.113	7.746	7.504	7.077	7.347	6.965	7.865	7.661	7.312	7.429	7.606	7.931	7.641	7.452	7.719	7.587	8.018	7.336	7.381
1457178	at	NA	BB485280	NA	NA	7.766	7.518	7.653	7.303	7.422	7.807	7.811	7.614	7.204	7.719	7.383	7.286	7.618	7.252	7.592	7.553	8.345	8.026	8.283	7.822	7.298	7.695	7.235	7.092
1457179	at	Nrp4e	BM225203	Mm.442342	7	4.209	4.147	4.239	4.149	3.952	4.281	4.101	4.066	4.119	4.039	4.180	4.141	4.112	4.144	4.151	4.118	3.960	4.326	4.231	4.127	4.203	4.149	4.125	4.303
1457180	at	Dip2c	BM239597	Mm.217236	13	7.180	6.488	7.257	6.924	6.821	7.254	7.225	6.488	6.700	6.873	6.676	6.693	7.081	6.994	6.707	7.167	7.162	7.037	7.450	7.443	6.628	6.760	6.565	6.871
1457181	at	D15Wsu75e	BB032242	Mm.474453	15	7.597	7.559	7.552	7.537	7.562	7.402	7.492	7.466	7.701	7.635	7.692	7.532	7.506	7.273	7.442	7.586	7.347	7.510	7.479	7.392	7.537	7.566	7.717	7.254
1457182	at	LOC100039590	BB003454	Mm.439193	8	4.066	4.154	4.124	4.070	4.109	4.089	4.254	4.053	4.239	3.956	4.047	4.154	4.264	4.256	4.185	4.321	4.346	4.245	4.222	4.261	4.320	4.122	4.081	4.269
1457183	at	Slc6a1	BB546734	Mm.5260	6	4.616	4.400	4.717	4.595	4.602	4.648	4.656	4.662	4.805	4.471	4.518	4.463	4.754	4.733	4.610	4.854	4.602	4.772	4.484	4.542	4.557	4.563	4.460	4.652
1457184	at	NA	BB472173	NA	NA	7.822	7.558	7.569	7.663	7.525	7.720	7.856	7.364	7.799	7.676	7.577	7.673	7.405	7.350	7.922	7.550	7.974	7.883	7.581	7.832	7.625	7.158	7.751	7.680
1457185	at	Zfp111	BB794862	Mm.448367	7	5.158	5.297	5.253	5.163	5.123	5.261	5.462	5.310	5.332	5.511	5.011	5.143	5.176	5.357	5.031	5.163	5.247	5.167	5.127	5.113	4.958	5.030	5.183	5.060
1457186	at	Tbl1xr1	BB078701	Mm.202966	3	4.792	4.602	4.699	4.611	4.727	4.720	4.634	4.497	4.680	4.683	4.693	4.478	4.790	4.733	4.755	4.786	4.721	4.682	4.767	4.794	4.688	4.807	4.935	4.758
1457187	at	Ac30071L07Rik	BB152298	Mm.442057	2	6.823	6.562	6.678	6.873	6.542	6.514	6.827	6.763	6.832	6.514	6.759	6.634	6.628	6.560	6.572	6.480	6.712	6.617	6.782	6.868	6.924	6.843	6.741	6.958
1457188	at	NA	BB267568	NA	NA	7.861	7.649	7.707	7.721	7.749	8.031	7.783	7.714	7.605	7.714	7.414	7.628	7.555	7.459	7.765	7.783	7.759	7.844	7.914	7.850	7.751	7.955	7.800	
1457189	at	NA	BB468420	NA	NA	6.698	6.607	6.704	6.731	6.830	6.713	6.723	6.720	6.770	6.682	6.762	6.730	6.841	6.825	6.745	6.802	6.946	6.929	6.895	6.667	6.175	6.557	6.643	6.501
1457190	at	NA	B0176442	NA	NA	4.113	4.425	4.204	4.427	4.291	4.314	4.356	4.415	4.154	4.231	4.096	4.399	4.256	4.089	4.125	4.328	4.495	4.358	4.304	4.369	4.306	4.467	4.245	4.268
1457191	at	NA	AV264602	NA	NA	4.504	4.722	4.592	4.537	4.454	4.419	4.558	4.743	4.956	4.884	4.701	5.017	5.316	5.037	4.781	4.302	4.733	4.273	4.603	4.648	4.573	4.735	4.593	4.340
1457192	at	NA	BB322466	NA	NA	5.810	5.708	5.633	5.881	5.900	5.607	5.624	6.082	6.100	6.021	7.853	5.708	5.898	5.768	5.837	5.902	5.605	5.698	5.527	5.935	5.639	5.882	5.996	6.045
1457193	at	Miik3	BG067709	Mm.332268	5	8.843	8.527	8.632	8.972	8.736	8.717	8.633	8.778	8.518	8.439	8.481	8.720	8.643	8.354	8.584	8.736	8.895	8.737	8.758	8.755	8.815	8.856	8.812	8.790
1457194	at	NA	BB404238	NA	NA	5.708	5.652	5.616	5.626	5.586	5.516	5.582	5.626	5.596	5.591	5.582	5.626	5.596	5.582	5.626	5.596	5.582	5.626	5.596	5.582	5.626	5.596	5.582	5.626
1457195	at	Pkchm1	BB206527	Mm.383308	11	5.075	4.959	5.069	4.995	4.965	4.960	5.033	5.088	5.115	5.087	5.088	4.945	5.012	4.944	5.008	4.981	5.042	4.987	5.004	4.981	5.009	4.982	5.012	5.138
1457196	at	NA	AV323048	NA	NA	8.149	7.733	8.000	8.065	7.953	7.834	8.088	7.808	7.785	7.821	7.994	7.772	7.902	7.936	7.908	7.957	7.872	7.789	7.932	7.946	7.826	7.776	8.105	8.102
1457197	at	Prkacb	AV321298	Mm.16766	3	5.146	5.244	5.247	4.841	5.088	5.232	5.225	5.221	5.086	5.131	5.128	5.079	5.233	5.077	5.172	5.576	5.197	5.268	5.268	5.281	4.964	4.964	5.166	5.216
1457198	at	Nrp1	AV291009	Mm.271745	8	9.725	9.685	9.707	10.167	9.738	10.097	9.913	10.334	9.999	10.090	9.880	9.986	9.746	9.849	10.519	9.814	10.380	10.225	10.336	10.432	10.259	9.875	10.514	10.506
1457199	at	NA	BB477101	NA	NA	6.265	6.107	6.558	6.441	6.188	6.454	6.454	6.124	5.942	6.033	6.123	5.995	6.141	5.730	6.116	6.503	6.499	6.425	6.484	6.370	6.050	6.250	6.835	6.497
1457200	at	Serpinb9d	AV256626	Mm.234774	13	6.111	5.768	5.993	5.875	5.901	5.847	5.996	5.977	5.844	5.622	5.893	5.803	5.901	5.779	6.032	5.976	5.814	5.923	6.007	5.975	6.040	5.959	6.095	5.988
1457201	at	NA	BB044238	NA	NA	5.590	5.478	5.826	5.783	5.699	5.759	5.804	5.563	5.711	5.542	5.701	5.634	5.718	5.891	5.695	5.563	5.898	5.851	5.601	5.273	5.696	5.551	5.592	5.606
1457202	at	Dmd2	BB207439	NA	NA	6.323	6.066	6.328	6.358	5.936	6.318	6.376	5.935	5.999	5.971	6.035	6.029	6.024	6.181	6.082	6.347	6.092	6.347	6.092	6.347	6.092	6.347	6.092	6.347
1457203	at	NA	BE825072	NA	NA	5.703	5.835	5.988	5.719	6.032	5.771	5.906	6.139	5.979	6.138	5.846	5.974	6.260	5.858	6.003	5.615	5.965	5.929	5.904	6.105	5.757	5.466	5.657	5.837
1457204	at	NA	AV337827	NA	NA	7.852	7.930	7.826	7.757	7.826	7.635	7.779	7.642	7.868	7.597	7.695	7.691	7.741	7.774	7.775	7.782	7.673	7.623	7.787	7.854	7.825	7.774	7.897	7.826
1457205	at	Nsf	BB240839	Mm.260117	11	5.964	5.911	5.878	5.925	5.945	5.796	5.859	5.733	6.122	5.911	5.999	5.703	6.039	5.837	5.809	5.893	5.779	5.762	5.824	5.907	5.894	5.937	5.954	5.814
1457206	at	NA	BB439768	NA	NA	5.858	5.585	6.080	6.199	5.917	6.102	6.102	6.173	6.078	6.047	6.113	6.066	6.165	6.105	6.366	6.117	6.374	6.121	6.387	6.258	6.209	6.344	6.147	6.043
1457207	at	NA	BB204297	NA	NA	5.722	5.417	5.539	5.675	5.575	5.521	5.557	5.680	5.788	5.468	5.538	5.339	5.529	5.702	5.450	5.632	5.605	5.466	5.661	5.652	5.568	5.516	5.581	5.697
1457208	at	Nfxl1	BB485668	Mm.187453	5	5.627	5.357	5.851	5.596	5.495	5.597	5.623	5.553	5.522	5.616	5.604	5.402	5.566	5.697	5.396	5.580	5.540	5.504	5.698	5.549	5.562	5.557	5.811	5.681
1457209	at	Dmd2	BB207439	Mm.246975	8	7.228	7.108	7.145	7.127	7.107	7.248	7.265	7.139	7.282</															

1457257	x	at	NA	BB380053	NA	NA	5.643	5.670	5.872	5.614	6.123	5.593	5.840	5.863	5.705	6.150	5.502	6.220	5.879	5.725	6.060	5.684	5.762	5.689	5.790	5.905	5.820	6.236	6.040	5.840	
1457258	at	NA	AV210092	NA	NA	NA	6.012	5.512	5.792	5.792	5.620	5.707	5.838	5.851	5.681	5.548	5.816	5.747	5.650	5.668	5.893	6.085	5.893	6.043	5.816	5.758	5.878	5.842	5.733	5.880	
1457259	at	LOC100047864	AV023631	NA	NA	12	6.751	6.870	6.883	6.906	6.830	6.603	6.945	6.625	7.115	7.017	6.948	6.865	6.743	6.788	6.887	6.925	6.631	6.644	6.740	6.767	6.654	6.578	6.656	6.669	
1457260	at	NA	BI080487	NA	NA	NA	7.881	7.941	7.979	7.954	8.443	7.960	7.899	8.069	8.257	8.231	7.903	8.555	8.423	8.068	8.244	7.725	8.368	8.374	8.242	8.116	8.192	8.275	8.021	7.964	
1457261	at	AB300250H0Rik	BB283644	NA	NA	13	4.055	3.910	4.087	4.042	4.028	4.024	4.158	4.032	3.890	3.995	4.039	3.956	3.748	3.831	3.817	4.112	4.054	4.056	4.312	4.307	4.001	4.161	4.155	4.031	
1457262	at	261020705Rik	BB024162	NA	NA	7	10.098	9.860	10.132	9.992	10.178	9.768	10.176	9.934	10.123	9.749	9.856	10.005	10.037	9.788	9.888	9.885	10.136	9.995	9.725	9.621	9.675	9.244	10.110	10.128	9.406
1457263	at	NA	BI329779	NA	NA	NA	7.094	6.720	7.262	7.171	10.268	7.018	7.120	6.898	7.000	7.133	7.069	6.914	7.102	7.012	7.177	7.148	7.275	7.134	7.180	7.208	7.242	6.995	7.123	7.195	
1457264	at	Phf201	AV349060	NA	MM.267473	15	7.115	6.717	6.859	6.719	6.751	6.711	6.814	6.927	6.663	6.926	6.480	7.058	6.954	6.865	6.999	6.889	6.794	6.567	6.576	6.946	6.982	7.259	6.779	7.170	
1457265	at	Sfrs1704	BG063043	NA	MM.116704	X	7.916	8.307	8.176	8.045	8.171	8.203	8.053	7.971	8.318	8.427	7.828	8.056	8.029	8.290	7.917	8.185	7.737	8.202	8.298	8.007	7.647	7.662	7.589	7.534	
1457266	at	Slc38a6	BE447661	NA	MM.37829	12	7.571	8.419	7.633	7.887	8.060	7.906	7.640	8.182	9.072	8.369	7.778	8.174	8.396	8.201	7.864	7.733	8.107	7.851	7.763	7.704	7.716	8.118	7.502	7.361	
1457267	at	NA	BB667685	NA	NA	NA	7.539	7.388	7.454	7.390	7.762	7.529	7.647	7.427	7.139	7.313	7.174	7.345	7.328	7.528	7.180	7.608	7.703	7.723	7.737	7.799	7.799	7.547	7.551	7.384	7.448
1457268	at	Dot1	BM199751	NA	MM.152371	10	9.564	9.635	9.299	9.466	9.542	9.489	9.365	9.548	9.485	9.473	10.341	9.433	9.334	9.480	9.482	9.376	9.554	9.669	9.519	9.571	9.602	9.485	9.266	9.316	
1457269	at	Gm1123	AV289181	NA	MM.293727	9	7.320	7.029	7.280	7.166	7.183	7.180	7.177	7.159	7.226	7.138	7.188	7.322	7.382	7.180	7.151	7.099	7.207	7.394	7.098	7.250	7.327	7.135	7.234	7.066	
1457270	at	Gas1	AI505234	NA	MM.40338	11	7.560	8.019	7.544	7.795	6.545	7.743	7.775	7.585	7.929	7.717	7.638	7.632	7.653	8.199	7.446	7.376	7.228	7.219	7.416	7.052	7.152	7.383	6.263	7.013	
1457271	at	Gm131	AI326975	NA	MM.297051	3	5.291	5.201	5.073	5.254	5.021	5.131	5.218	5.490	5.251	5.234	5.165	5.127	5.195	5.154	5.113	5.169	5.219	5.067	5.242	5.255	5.396	5.364	5.341	5.197	
1457272	at	NA	BB284000	NA	NA	NA	8.520	8.091	8.460	8.514	8.664	8.459	8.353	8.258	8.069	8.080	8.126	8.559	8.654	7.904	8.401	8.406	8.568	8.719	8.665	8.597	8.553	8.854	8.555	8.502	
1457273	at	Odz2	BM899576	NA	MM.439889	11	4.616	4.664	4.588	4.639	4.437	4.621	4.607	4.507	4.269	4.083	4.339	4.380	4.336	4.406	4.544	4.471	4.675	4.592	4.499	4.585	4.823	4.477	4.580	4.493	
1457274	at	OTTMUSG000000	BB555205	NA	MM.252206	4	4.434	3.896	4.231	4.385	3.980	4.207	4.308	4.140	4.076	4.045	4.217	3.975	4.103	4.058	4.252	4.146	4.314	4.381	4.277	4.525	4.410	4.226	4.163	4.288	
1457275	at	Dmn	AI594683	NA	MM.60526	7	7.345	7.817	7.023	7.386	8.369	7.398	7.502	8.931	8.273	8.285	8.184	8.748	8.264	7.812	7.971	7.307	8.416	8.240	7.765	7.442	7.933	8.259	7.061	6.877	
1457276	at	Snf1l2	AI315692	NA	MM.104932	9	8.537	8.852	8.613	8.374	8.493	8.535	8.663	8.366	8.607	8.696	8.496	8.310	8.477	8.631	8.440	8.551	8.304	8.279	8.382	8.228	8.352	8.122	8.665	8.652	
1457277	at	BC038925	AI314927	NA	MM.19719	5	7.205	7.418	7.196	7.205	7.182	7.330	7.137	7.308	7.433	7.406	7.303	7.556	7.361	7.285	7.306	7.267	7.452	7.389	7.335	7.351	7.239	7.298	7.123	7.344	
1457278	at	6720489N17Rik	BB076796	NA	MM.247448	13	4.056	4.104	4.146	4.253	4.057	4.318	4.283	4.060	3.971	4.050	4.005	3.937	4.197	4.017	4.124	4.073	4.058	4.174	4.196	4.142	4.131	4.133	4.179	4.288	
1457279	at	NA	BB314393	NA	NA	NA	5.568	5.887	5.338	5.276	5.594	5.324	5.407	5.805	5.689	5.714	5.914	5.746	5.706	5.811	5.578	5.285	5.468	5.542	5.363	5.421	5.546	5.448	5.544	5.506	
1457280	at	NA	BB249354	NA	NA	NA	6.885	6.782	6.855	6.978	6.834	6.566	6.894	6.957	6.818	6.788	6.877	6.802	6.828	6.802	6.755	6.824	6.906	6.850	7.057	6.840	6.931	6.986	7.019	6.795	
1457281	at	Dnaic21	BB224547	NA	MM.297862	15	10.427	10.420	10.200	10.403	10.338	10.066	10.200	10.609	10.359	10.146	10.303	10.449	10.316	9.942	10.022	10.018	10.081	10.768	10.465	10.403	10.862	11.019	10.448	10.267	
1457282	x	at	Tubacp5	BB275188	NA	MM.284306	7	6.982	6.201	6.591	6.780	6.534	6.683	6.517	6.855	6.220	6.312	6.420	6.614	6.438	6.566	6.624	6.532	6.532	6.627	6.615	6.765	6.784	6.639	6.744	6.838
1457283	at	LOC100042150	BB300390	NA	MM.380390	18	6.294	6.637	6.904	6.723	6.580	6.733	6.983	5.731	6.142	6.112	6.044	6.124	6.076	6.086	6.450	6.332	6.256	6.171	6.374	6.371	6.291	6.675	6.314	6.371	
1457284	at	NA	BB766038	NA	NA	NA	5.834	6.216	6.204	6.282	6.233	6.328	6.342	6.858	6.827	6.619	6.825	6.229	6.269	6.192	6.241	6.152	6.139	6.279	6.269	6.222	6.225	6.025	6.875	6.025	
1457285	at	Zfp187	BB354728	NA	MM.441899	13	9.182	8.889	8.973	9.128	9.052	9.029	8.921	9.513	9.167	9.828	8.421	9.248	9.062	8.505	8.807	8.932	10.008	9.517	8.923	8.996	9.779	9.992	9.058	8.787	
1457286	at	NA	BF464027	NA	NA	NA	7.720	7.302	7.615	7.467	7.367	7.528	7.757	7.475	7.393	7.292	7.574	7.424	7.451	7.487	7.497	7.492	7.702	7.396	7.655	7.604	7.603	7.718	7.690	7.603	
1457287	at	NA	BQ031062	NA	NA	NA	7.469	7.988	7.395	7.617	7.540	7.444	7.537	7.384	7.791	7.757	7.580	7.483	7.559	7.906	7.381	7.448	7.172	7.078	7.303	7.343	7.336	7.287	7.525	7.440	
1457288	at	Ank3	BM933244	NA	MM.235960	10	5.779	5.410	5.466	5.491	5.182	5.251	5.512	5.461	5.709	5.575	5.276	5.277	5.262	5.398	5.400	5.441	5.456	5.313	5.593	5.562	5.505	5.508	5.559	5.396	
1457289	at	Nr2e1	BB280339	NA	MM.287100	10	5.068	4.554	4.837	5.090	4.794	5.138	5.074	4.704	4.970	4.771	4.706	5.138	4.647	4.794	4.761	4.979	4.846	4.931	5.120	4.958	5.027	4.856	5.214	5.191	5.246
1457290	at	NA	BB127590	NA	NA	NA	5.215	5.154	5.122	5.214	5.030	5.269	5.156	5.083	5.176	5.139	5.051	4.951	5.113	5.081	5.139	5.142	4.929	5.081	5.082	5.164	5.165	5.144	5.204	5.201	
1457291	at	NA	AW454293	NA	MM.454293	14	7.159	7.295	7.202	7.116	7.285	7.297	6.932	7.168	7.695	7.471	6.936	7.296	7.369	7.410	7.157	7.191	6.928	7.203	7.117	7.121	7.176	7.305	7.125	7.070	
1457292	at	Josd3	BE996326	NA	MM.354115	9	8.033	8.587	8.101	8.062	8.300	8.268	8.023	8.132	8.183	8.147	8.500	8.107	7.655	8.199	8.055	8.040	8.086	8.171	7.823	7.780	7.929	8.178	7.714	7.597	
1457293	at	Zbtb4	BF714860	NA	MM.426361	11	7.628	7.588	7.596	7.669	7.717	7.619	7.448	7.880	7.929	8.024	7.369	8.269	8.323	7.153	7.667	7.542	8.104	7.902	7.661	7.594	8.066	8.304	7.689	7.312	
1457294	at	Tmrc3	BM195021	NA	MM.296805	10	6.187	6.184	5.963	6.328	6.280	6.157	6.030	6.287	6.071	6.048	6.042	5.966	6.150	6.158	6.208	6.185	6.275	6.161	6.275	6.098	6.139	6.008	6.407	6.302	
1457295	at	Tnrc6a	AW494245	NA	MM.102305	7	7.561	7.789	7.530	7.569	7.186	7.539	7.556	7.356	7.416	7.399	7.257	7.628	7.463	7.328	7.558	7.531	7.455	7.558	7.710	7.791	7.382	7.525	7.518	7.610	
1457296	at	Cilp	BE630003	NA	MM.138455	9	9.959	11.463	10.189	10.953	13.182	11.045	10.003	12.251	13.007	12.666	11.804	13.736	13.724	12.067	13.282	10.233	8.393	10.313	10.346	9.128	9.054	8.610	8.519	8.823	

1457346	at	NA	BE649821	NA	NA	7.006	6.686	6.829	6.746	6.915	6.928	6.678	6.954	6.828	6.668	6.877	6.708	6.759	6.832	6.838	6.954	6.875	6.822	6.894	6.894	6.833	6.836	6.895		
1457347	at	Ryv1	BG793713	Mm.439745	7	7.103	6.707	7.106	7.010	6.890	7.037	7.028	7.015	6.950	7.010	7.022	7.009	6.890	6.933	6.951	7.015	7.087	6.950	7.186	7.060	7.128	7.005	7.075	7.261	
1457348	at	NA	BB134293	NA	NA	8.081	8.016	8.003	7.807	7.966	8.226	8.158	7.891	8.235	8.007	8.007	7.896	7.887	7.896	7.916	8.008	7.927	7.964	7.979	8.045	7.778	7.879	8.250	7.885	
1457349	at	NA	BB636437	NA	NA	4.112	4.067	4.104	4.147	4.079	3.951	4.012	4.274	4.231	4.064	4.162	4.169	4.139	4.233	4.018	4.231	4.287	4.111	4.150	4.186	4.074	4.227	4.121	4.255	
1457350	at	Per2	BG296866	Mm.476006	1	7.359	7.142	7.117	8.187	8.087	7.963	7.670	7.986	7.256	7.344	7.538	7.860	7.412	7.150	7.715	7.901	7.932	7.806	7.001	7.694	6.928	8.256	8.347	7.892	
1457351	at	Taf2	AI451481	Mm.380957	15	6.608	6.940	6.488	6.628	6.576	6.614	6.582	6.751	6.651	6.567	6.490	6.678	6.598	6.636	6.390	6.725	6.743	6.777	6.633	6.685	6.616	6.736	6.759	6.759	
1457352	x	at	Svopl	AI481066	Mm.197449	6	3.840	3.588	3.793	3.748	3.902	3.741	3.754	3.734	3.690	3.713	3.732	3.662	3.744	3.996	3.910	3.585	3.730	3.882	3.805	3.759	3.751	3.705	3.857	3.621
1457353	at	Tomn70a	BB558081	Mm.213292	16	4.245	4.429	4.311	4.077	4.215	4.222	4.120	4.167	4.134	4.226	4.408	4.251	4.233	4.221	4.326	4.238	4.227	4.329	4.180	4.074	4.324	4.148	4.199	4.142	
1457354	at	Krt222	AI845957	Mm.133193	11	7.145	6.957	7.602	7.426	6.565	7.546	7.481	7.040	5.688	6.652	6.398	6.989	6.427	6.347	6.742	7.456	7.532	7.211	7.137	7.568	7.154	7.790	7.247	7.251	
1457355	at	Pnola8	BB076314	Mm.541126	12	8.364	8.014	8.417	8.416	8.313	8.294	8.276	8.168	8.010	8.067	8.279	8.091	8.104	8.246	8.197	8.412	8.434	8.305	8.419	8.426	8.428	8.309	8.592	8.529	
1457356	at	NA	BI793602	NA	NA	9.145	9.200	9.081	9.065	9.161	8.966	8.947	9.015	9.457	9.377	9.719	9.108	8.987	8.853	9.254	8.959	9.347	9.078	8.750	8.765	9.131	9.333	8.962	8.715	
1457357	at	Tipk2	BM198864	Mm.126976	11	7.784	7.484	7.746	7.604	7.508	7.899	7.784	7.569	7.562	7.547	7.624	7.597	7.461	7.715	7.881	7.876	7.723	7.687	7.867	7.684	7.547	7.727	7.850	7.936	
1457358	at	NA	BG067912	NA	NA	6.589	6.422	6.735	6.559	6.423	6.605	6.641	6.783	6.450	6.666	6.176	6.925	6.615	6.632	6.751	6.323	7.150	6.650	6.808	6.748	6.625	7.215	6.474	6.639	
1457359	at	lnp4b	BB540672	Mm.324468	8	9.294	9.125	8.899	8.448	9.065	9.189	9.337	9.076	8.449	8.761	9.197	8.769	8.729	8.723	8.871	8.996	9.312	9.370	9.383	9.455	9.211	9.256	9.312	9.136	
1457360	at	NA	BG073418	NA	NA	7.328	7.028	7.117	6.960	6.986	6.852	6.884	7.019	7.068	7.068	7.014	7.100	6.814	6.832	7.015	6.999	7.119	7.148	6.922	7.024	7.105	6.895	7.109	6.978	
1457361	at	Zfp804a	BB628626	Mm.119383	2	5.062	4.762	4.886	4.722	4.518	4.959	4.798	4.707	4.614	4.648	4.747	4.599	4.653	4.673	4.860	4.826	4.542	4.779	4.914	4.815	4.820	4.817	4.855	4.960	
1457362	at	NA	BE852749	NA	NA	9.180	8.536	8.970	8.971	8.868	8.915	9.126	9.010	8.813	8.647	8.887	8.827	8.861	8.796	8.904	9.172	8.992	8.940	8.902	9.075	8.915	8.866	9.269	9.070	
1457363	at	LOC654469	BB667691	Mm.395054	15	7.263	6.656	7.031	7.056	7.702	7.042	7.175	7.214	6.854	6.789	7.009	6.833	6.862	6.944	6.761	7.128	7.067	7.095	7.034	7.199	7.210	7.217	7.165	7.056	
1457364	at	NA	AV079079	NA	NA	6.304	5.936	5.791	6.078	6.076	5.854	6.024	6.160	5.893	5.814	5.859	6.000	6.255	5.816	6.050	5.784	5.918	5.947	5.869	6.104	6.129	5.947	5.899	5.840	
1457365	at	EG628262	BB491094	Mm.475145	1	4.213	4.042	4.407	4.151	4.162	4.102	4.342	4.114	4.163	4.588	3.930	4.065	4.068	4.183	4.166	4.351	4.435	4.402	4.409	4.091	4.260	4.269	4.137	4.064	
1457366	at	Cdc40	BG072424	Mm.46063	10	6.271	6.533	6.290	6.306	6.403	6.353	6.355	6.254	6.602	6.580	6.264	6.643	6.497	6.589	6.380	6.393	6.641	6.562	6.713	6.366	6.203	6.474	6.733	6.177	
1457367	at	NA	BB667309	NA	NA	7.609	7.081	8.096	7.782	7.345	7.983	7.801	7.210	6.748	7.336	6.850	7.319	7.326	7.358	7.538	7.986	7.776	7.868	7.951	8.067	7.610	7.617	7.956	7.627	
1457368	at	2310033K2Rik	BI415875	Mm.68454	2	6.433	6.187	6.149	6.302	6.235	6.272	6.209	6.592	6.330	6.255	6.116	6.523	6.641	6.196	6.287	6.158	6.467	7.068	6.324	6.295	6.240	6.161	6.361	6.292	
1457369	at	NA	BB223866	NA	NA	5.951	5.791	5.872	5.857	5.642	5.823	5.810	5.892	5.742	5.693	5.672	5.689	5.756	5.728	5.862	5.686	5.666	5.953	5.860	5.864	5.685	5.753	5.774	5.827	
1457370	at	NA	BB467903	NA	NA	7.777	7.465	7.933	7.866	7.735	7.773	7.893	7.651	7.802	7.635	7.657	7.846	7.834	7.636	7.759	7.877	7.760	7.918	7.744	7.738	7.702	7.834	8.024	7.704	
1457371	at	NA	BE285361	NA	NA	5.760	5.651	5.926	5.852	5.793	5.811	5.675	5.565	5.561	5.763	5.533	5.826	5.587	5.589	5.753	5.829	5.708	5.879	5.762	5.760	5.669	5.598	5.888	5.774	
1457372	at	Per2	BG066439	Mm.252156	15	5.498	5.066	5.306	5.282	5.150	5.250	5.272	5.485	5.253	5.285	5.258	5.528	5.465	5.405	5.982	5.046	5.505	5.982	5.506	5.228	5.510	5.228	5.506	5.272	
1457373	at	NA	BB495006	NA	NA	6.824	6.810	7.027	7.037	6.877	6.981	6.918	6.918	6.966	6.900	6.927	7.190	7.611	6.879	6.686	6.822	7.112	7.503	7.027	7.503	7.027	7.503	7.027	7.503	
1457374	at	Nedd4l	AV377264	Mm.98668	18	8.187	7.933	8.158	8.158	8.089	8.196	8.269	7.585	7.802	8.091	8.005	8.145	7.742	8.194	8.114	8.301	8.481	8.434	8.396	8.579	8.031	8.226	8.201	8.165	
1457375	at	NA	BG094499	NA	NA	10.041	9.682	9.878	9.985	9.798	9.791	9.951	9.871	9.844	9.616	9.836	9.820	9.796	9.880	9.815	9.786	9.833	9.838	9.809	9.894	10.071	9.905	10.091	9.894	
1457376	at	NA	BM238390	NA	NA	7.005	6.790	6.767	6.858	6.844	6.846	6.781	6.921	6.770	6.617	6.762	7.000	6.905	6.911	6.810	6.810	6.586	6.541	6.830	6.811	7.119	6.927	6.875	6.609	
1457377	at	NA	BB253657	NA	NA	5.765	6.186	5.512	6.044	6.263	5.715	5.769	6.226	6.269	6.476	6.005	6.312	6.053	6.156	6.025	6.080	6.236	5.959	5.560	5.959	6.013	5.836	5.822	5.812	
1457378	at	NA	AW123022	NA	NA	6.224	6.023	6.491	6.239	6.161	6.452	6.500	6.028	6.305	6.289	6.329	6.293	6.212	6.116	6.425	6.521	6.375	6.399	6.208	6.146	6.410	6.269	6.482	6.408	
1457379	at	C78549	BG066238	Mm.5718	16	7.086	6.823	6.957	6.872	6.953	7.025	7.090	7.101	6.913	6.863	6.991	6.750	6.898	6.856	6.823	6.923	6.949	7.037	6.831	7.067	7.010	6.939	6.878	6.924	
1457380	at	CG5504	BB533647	NA	NA	4.325	4.295	4.825	4.123	4.199	4.987	4.582	4.222	4.528	4.385	4.228	4.202	4.320	4.393	4.426	4.330	4.495	4.470	4.531	4.496	4.470	4.470	4.470	4.470	
1457381	at	NA	BM240286	NA	NA	5.748	5.628	5.998	5.759	5.647	5.725	6.196	5.760	5.463	5.629	5.334	5.513	5.417	5.489	5.823	6.070	5.762	5.767	6.102	6.042	5.569	5.686	5.799	5.685	
1457382	at	NA	C76276	NA	NA	5.808	5.573	5.564	5.679	5.550	5.480	5.708	5.573	5.581	5.510	5.593	5.514	5.563	5.698	5.489	5.606	5.467	5.422	5.775	5.803	5.618	5.540	5.630	5.480	
1457383	at	NA	BM222431	NA	NA	6.434	6.051	6.145	6.157	6.125	6.124	6.431	6.237	6.085	5.653	6.179	6.122	5.834	6.096	6.389	6.134	6.479	6.483	6.414	6.204	6.190	5.895	6.358	6.094	
1457384	at	NA	AV252220	NA	NA	6.698	6.726	6.940	6.849	6.840	6.752	6.762	6.872	6.947	7.011	6.845	6.654	6.862	6.805	6.986	6.959	6.947	6.967	6.873	7.058	6.869	6.853	6.741	6.828	
1457385	at	NA	BB796239	NA	NA	7.025	7.126	6.939	6.848	6.711	6.705	6.871	7.131	6.607	6.723	6.768	6.631	6.673	6.932	6.795	6.918	6.721	6.885	6.829	6.903	6.846	6.756	6.701	6.841	
1457386	at	NA	BG066816	NA	NA	7.636	6.691	7.323	7.185	6.828	7.298	6.992	5.965	6.309	7.072	6.486	6.920	6.823	7.188	6.912	7.328	6.280	6.860	8.862	7.101	7.052	6.585	6.657	6.686	7.191
1457387	at	Repin1	BB094643	Mm.219183	6	5.356	5.293	5.485	5.584	5.584	5.283	5.487	5.301	5.301	5.30															

1457435	x	at	Myom2	AV241307	Mm.272115	8	14.565	14.233	14.514	14.730	14.747	14.777	14.369	14.588	14.393	14.596	14.591	14.786	14.722	14.134	14.803	14.508	14.894	14.738	14.635	14.774	14.799	14.829	14.917	14.552	
1457436	at		Tbc1d7	BE980635	Mm.269213	13	6.938	6.517	6.612	6.926	6.747	6.680	6.937	6.455	6.674	6.470	6.571	6.680	6.661	6.593	6.656	6.834	6.593	6.689	6.627	6.726	6.930	6.845	6.761	6.836	
1457437	at		C630035N08Rik	BB430955	Mm.314080	2	7.192	7.008	7.016	7.162	7.086	7.177	7.171	7.109	6.980	7.001	7.153	6.977	7.010	7.031	7.016	7.173	7.039	7.118	7.062	7.162	6.954	6.936	7.100	7.209	
1457438	at		NA	BE630363	NA	NA	6.837	6.362	6.655	6.783	6.759	6.508	6.591	6.340	6.474	6.432	6.614	6.469	6.386	6.426	6.558	6.716	6.627	6.685	6.761	6.791	6.703	6.667	6.775	6.901	
1457439	at		NA	BN230946	NA	NA	4.611	4.511	4.828	4.589	4.567	4.678	4.786	4.691	4.672	4.610	4.572	4.839	4.673	4.549	4.755	4.654	4.658	4.646	4.593	4.648	4.593	4.587	4.872	4.561	
1457440	at		Sstr4	BS451927	Mm.35324	2	8.082	7.457	8.113	8.194	8.054	7.968	8.202	8.013	7.913	7.715	8.005	7.747	7.659	7.710	7.711	8.121	7.960	7.911	7.839	7.964	8.122	8.174	8.162	8.377	
1457441	at		Ebf1	AI385540	Mm.439662	11	5.810	5.506	5.694	5.512	5.742	5.852	5.819	5.698	5.790	5.420	5.606	5.855	5.732	5.519	5.805	5.867	5.879	6.150	5.719	5.753	5.749	5.554	5.653	5.530	
1457442	at		AW125324	AW125324	Mm.383771	11	7.067	6.275	7.155	6.922	6.719	6.961	6.976	6.915	6.343	6.486	6.805	7.067	6.748	6.642	6.702	7.165	6.951	7.163	7.205	7.292	6.929	6.804	7.061	6.904	
1457443	at		NA	BB311369	NA	NA	4.994	4.822	5.254	5.149	5.003	5.065	5.162	5.125	4.940	4.955	5.241	4.808	4.935	5.188	5.134	4.820	4.866	5.026	5.063	5.087	5.411	5.123	5.366	5.287	
1457444	at		NA	BB213608	NA	NA	5.377	5.179	5.367	5.268	5.225	5.112	5.299	5.460	5.378	5.171	5.196	5.159	5.401	5.416	5.035	5.251	5.262	5.289	5.363	5.288	5.318	5.343	5.575	5.334	
1457445	at		Trps1	BB136803	Mm.30466	15	7.5803	7.826	7.567	7.506	7.697	7.539	7.511	7.003	7.873	8.048	7.179	7.972	8.043	8.191	8.009	7.599	6.520	7.151	7.475	6.922	6.584	6.962	7.469	7.713	
1457446	at		Opdm1	BB383296	Mm.379474	9	6.522	6.104	6.591	6.487	6.410	6.660	6.475	6.538	6.300	6.065	6.608	6.010	6.330	6.396	6.279	6.278	6.655	6.833	6.617	6.822	6.614	7.057	6.815	6.565	
1457447	at		NA	BB503322	NA	NA	7.770	7.801	8.135	8.017	7.851	7.922	8.029	7.971	8.047	8.014	7.904	7.920	8.048	8.137	8.073	8.149	7.837	8.069	7.914	8.036	8.000	8.127	8.087	7.920	
1457448	at		Pnp1a1	BB440089	Mm.328925	17	7.543	7.281	7.418	7.485	7.357	7.484	7.466	7.554	7.278	7.177	7.548	7.307	7.440	7.424	7.434	7.530	7.242	7.542	7.508	7.400	7.240	7.240	7.406	7.474	
1457449	at		NA	AW550676	NA	NA	5.941	5.940	5.937	6.148	6.084	5.997	6.125	6.013	6.012	5.737	6.166	6.090	5.746	6.043	6.028	5.944	5.964	6.041	5.947	5.917	6.331	5.714	6.196	6.032	
1457450	at		Sarm1	BB238717	Mm.210332	11	4.389	4.098	4.342	4.364	4.157	4.088	4.266	4.292	4.204	4.169	4.233	4.245	4.277	4.139	4.314	4.267	4.242	4.214	4.171	4.305	4.452	4.242	4.093	4.242	
1457451	at		Acvr2a	BB199213	Mm.314338	2	4.309	4.291	4.480	4.407	4.380	4.329	4.495	4.423	4.556	4.305	4.410	4.276	4.377	4.558	4.331	4.349	4.545	4.524	4.489	4.446	4.355	4.707	4.333	4.603	
1457452	at		NA	BB063156	NA	NA	5.613	5.176	5.484	5.640	5.233	5.392	5.674	5.421	5.252	5.334	5.360	5.196	5.457	5.340	5.430	5.518	5.411	5.308	5.443	5.367	5.470	5.427	5.558	5.504	
1457453	at		1700057G04Rik	AV265414	Mm.179195	9	4.992	4.501	4.716	4.735	4.668	4.596	4.616	4.796	4.806	4.714	4.773	4.798	4.687	4.765	4.483	4.749	4.550	4.442	4.614	4.737	4.767	4.577	4.716	4.716	
1457454	at		D7Er1d6602e	BC071065	Mm.16974	7	5.866	6.338	5.982	6.183	6.109	6.134	5.989	5.997	6.331	6.439	6.859	6.545	6.606	6.532	6.500	6.211	5.573	5.855	5.903	5.843	6.145	6.188	6.213	6.401	
1457455	at		Subw4	BB430212	Mm.242791	9	8.196	7.959	8.114	8.234	8.001	8.230	8.210	7.952	7.956	7.924	7.925	7.950	7.975	7.973	7.938	8.065	7.783	7.929	7.944	8.039	8.038	7.972	8.225	8.005	
1457456	at		Map3k10	AI481735	Mm.389883	7	7.983	7.435	7.505	7.684	7.563	7.553	7.594	7.712	7.614	7.495	7.583	7.648	7.448	7.613	7.635	7.718	7.671	7.595	7.734	7.662	7.685	7.677	7.725	7.714	
1457457	at		Slain2	BI202461	Mm.121285	5	7.069	6.814	7.127	6.922	6.870	7.142	7.352	7.067	6.728	6.641	7.117	6.713	6.976	6.787	6.966	7.133	6.800	6.801	7.069	6.962	6.963	6.895	7.087	7.359	
1457458	at		Zc3h4	BC076273	Mm.333594	7	6.926	7.330	7.339	6.003	5.921	7.563	7.906	7.153	7.245	7.433	6.516	7.474	6.299	7.945	6.607	7.433	6.348	7.640	6.253	7.308	6.215	6.327	7.380	6.366	
1457459	at		NA	BB071044	NA	10	6.935	7.115	6.844	6.908	6.866	6.971	6.810	6.507	6.865	6.882	7.014	6.788	6.897	6.974	6.937	6.915	6.739	6.621	6.689	6.685	6.600	6.828	7.026	6.823	
1457460	at		Acs2	BB011474	Mm.255026	2	6.144	5.886	6.233	6.093	6.026	6.300	6.193	6.251	6.220	5.752	6.097	6.188	6.231	6.184	6.287	6.370	6.137	6.009	6.343	6.473	6.207	5.984	6.314	6.197	
1457461	at		RP23039003Rik	BC362063	Mm.131332	3	6.678	6.813	6.633	6.693	6.555	6.841	6.658	6.494	6.572	6.305	6.473	6.515	6.469	6.619	6.675	6.730	6.492	6.545	6.584	6.590	6.636	6.636	6.636	6.636	
1457462	at		Zfp68	BC069510	Mm.27575	5	8.214	6.668	6.667	6.889	6.731	6.888	7.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	6.925	
1457463	at		Dscaml1	AW048129	Mm.325499	9	7.315	6.839	7.072	7.014	7.026	6.901	7.015	7.185	6.863	6.846	7.234	6.918	7.064	7.028	7.188	7.037	7.037	7.033	7.035	6.954	7.104	6.989	7.086	7.101	
1457464	at		C130015C19	BC070926	NA	NA	6.825	6.872	7.256	7.001	7.069	7.256	7.122	6.943	7.152	7.403	6.937	7.182	7.421	7.447	7.421	7.182	7.350	6.894	7.065	7.304	7.061	7.468	7.161	6.985	
1457465	at		Shroom4	BB496399	Mm.23208	X	9.706	9.470	9.766	9.749	9.596	9.739	9.733	9.869	9.275	9.634	9.980	9.590	9.576	9.726	9.921	9.787	9.414	9.491	9.354	9.736	9.790	9.928	9.938	9.927	
1457466	at		AA409368	BB054673	NA	2	6.645	6.748	6.765	6.759	6.336	6.751	6.495	6.873	6.883	6.739	6.627	6.722	6.496	6.887	6.749	6.895	6.584	6.665	6.735	6.878	6.844	6.730	6.707	6.707	
1457467	at		NA	BB362579	NA	NA	7.115	6.771	7.128	7.145	7.152	7.190	7.175	7.150	7.050	7.386	6.735	7.124	7.090	6.956	7.396	7.043	7.138	7.127	7.107	7.239	6.704	6.983	7.194	7.129	
1457468	at		NA	BB402052	NA	NA	6.369	6.557	6.312	6.506	6.591	6.597	6.451	6.367	6.531	6.652	6.341	6.559	6.611	6.297	6.654	6.448	6.999	6.384	6.384	6.457	6.339	6.352	6.613	6.420	
1457469	at		NA	BB236692	NA	NA	6.921	6.390	6.522	6.439	6.524	6.485	6.371	6.366	6.839	6.627	6.854	6.602	6.793	6.856	6.709	6.545	6.957	6.985	7.347	6.505	6.985	7.347	6.505	6.985	
1457470	at		D3Ert4d52e	BC067509	NA	3	7.060	6.975	6.966	6.998	7.069	6.961	6.660	6.872	7.149	7.076	6.699	6.799	7.194	7.254	6.977	6.876	6.976	6.873	6.748	6.527	6.650	7.001	7.369	7.099	6.633
1457471	at		Il17rc	BB075652	Mm.213397	6	5.648	5.431	5.768	5.507	5.427	5.774	5.561	6.565	5.466	5.451	5.792	5.571	5.604	5.673	5.670	5.659	5.530	5.663	5.667	5.635	5.851	5.543	5.787	5.975	
1457472	at		Glyt2	BB782031	Mm.23065	1	5.617	5.713	6.165	5.524	5.447	5.529	5.878	6.569	5.748	6.056	5.898	5.567	5.827	5.752	6.114	5.992	5.369	5.472	5.500	5.431	5.702	5.705	6.208	6.311	
1457473	at		Chd1	AI851787	Mm.8137	17	5.419	5.305	5.324	5.394	5.540	5.334	5.618	5.283	5.215	5.551	5.313	5.530	5.388	5.083	5.767	5.338	5.167	5.323	5.169	5.230	5.330	5.413	5.845	5.902	
1457474	at		NA	AV230021	NA	NA	5.219	4.857	5.065	5.103	5.155	4.936	5.225	5.116	4.927	4.917	5.317	4.982	5.032	5.123	4.996	5.172	5.212	5.082	5.176	5.176	5.244	5.262	5.151	5.390	
1457475	at		C80993	BC067016	Mm.394059	16	5.337	5.064	5.136	5.246	5.285	5.279	5.219	4.850	4.997																

1457524	at	NA	BB075140	NA	NA	5.187	5.253	5.314	5.420	5.298	5.414	5.145	5.456	5.179	5.037	5.211	5.520	5.409	5.472	5.220	5.305	5.257	5.307	5.072	5.245	5.258	5.441	5.181	5.295	
1457525	at	NA	AV281748	NA	NA	6.607	5.815	6.555	6.277	6.221	6.188	6.404	6.181	5.972	5.937	6.319	5.818	6.258	6.094	6.335	6.207	5.965	6.159	6.244	6.593	6.327	6.036	6.639	6.230	
1457526	at	Grb14	BB079631	Mm.214554	2	4.732	4.825	5.145	5.563	4.653	5.051	5.136	4.905	4.664	4.663	4.464	4.837	4.876	4.869	4.872	4.955	5.367	5.120	5.093	5.383	5.017	5.118	4.396	4.369	
1457527	at	NA	BB326150	NA	NA	4.523	4.357	4.430	4.291	4.468	4.270	4.445	4.272	4.286	4.184	4.495	4.352	4.582	4.398	4.424	4.265	4.347	4.329	4.113	4.211	4.484	4.272	4.274	4.418	
1457528	at	Slc4a7	BB454531	Mm.258993	14	5.931	6.185	6.274	6.170	6.090	6.370	6.131	5.530	6.328	6.549	6.559	6.268	6.303	6.463	6.169	6.419	5.850	5.850	6.284	6.090	6.177	6.457	6.098	6.177	
1457529	x	at	BB066943	NA	NA	8.370	8.048	8.460	8.431	8.166	8.354	8.387	8.186	7.914	8.140	7.937	8.349	8.190	7.865	8.139	8.330	8.304	8.287	8.435	8.296	8.320	8.544	7.407	8.135	
1457530	at	NA	BB023986	NA	NA	6.749	6.365	6.451	6.639	6.376	6.419	6.533	6.614	6.477	6.205	6.502	6.379	6.617	6.379	6.407	6.517	6.614	6.286	6.205	6.482	6.547	6.543	6.624	6.155	
1457531	a	at	A930017K11Rik	BB279411	Mm.328878	17	7.385	6.899	7.242	7.173	7.074	7.204	7.193	7.103	6.996	6.918	7.068	7.057	7.143	6.906	7.016	7.340	7.170	7.223	7.112	7.282	7.301	7.096	7.394	7.168
1457532	at	NA	BB485233	NA	NA	6.345	5.930	6.055	5.960	6.094	6.142	5.819	6.200	5.895	6.048	5.641	6.239	5.819	5.721	6.120	6.088	6.147	6.371	5.988	6.085	6.101	6.555	6.497	6.030	
1457533	at	NA	AV266023	NA	NA	5.650	5.345	5.408	5.273	5.344	5.363	5.587	5.395	5.215	5.281	5.233	5.274	5.338	5.450	5.514	5.423	5.539	5.257	5.330	5.567	5.373	5.343	5.369	5.630	
1457534	at	NA	BB481074	NA	NA	6.861	6.569	6.472	6.765	6.659	6.483	6.392	6.432	6.852	6.694	6.524	6.288	6.641	6.440	6.554	6.540	6.550	6.691	6.430	6.419	6.575	6.392	6.703	6.703	
1457535	at	4932438A13Rik	BB465997	Mm.207907	3	6.163	6.117	6.311	6.289	6.193	6.221	6.302	6.375	6.544	6.298	6.443	6.204	6.440	6.275	6.406	6.337	6.422	6.273	6.562	6.297	6.310	6.160	6.371	6.184	
1457536	at	NA	Gpc5	BB171986	Mm.320791	14	4.596	4.451	4.450	4.381	4.388	4.593	4.497	4.368	4.306	4.421	4.596	4.449	4.264	4.401	4.461	4.522	4.436	4.544	4.468	4.565	4.356	4.515	4.493	
1457537	at	NA	BB503266	Mm.271944	11	6.622	6.728	6.519	6.429	6.507	6.545	6.670	6.490	6.558	6.684	6.447	6.273	6.486	6.439	6.793	6.377	6.545	6.361	6.597	6.533	6.359	6.237	6.605	6.452	
1457538	at	5930422O12Rik	BB037066	Mm.124571	8	4.287	4.244	4.448	4.497	4.423	4.491	4.535	4.421	4.193	4.450	4.353	4.480	4.439	4.554	4.476	4.472	4.433	4.457	4.455	4.563	4.437	4.674	4.312	4.377	
1457539	at	D10Erd709e	BG069224	NA	10	7.269	7.155	7.165	7.247	7.043	7.225	7.354	6.829	7.010	7.058	6.921	7.772	6.615	6.538	7.145	7.273	6.926	6.822	6.883	7.017	6.352	6.676	7.118	7.089	
1457540	at	NA	BB455557	NA	NA	6.671	6.094	6.340	6.429	6.389	6.389	6.628	6.217	6.084	6.204	6.288	6.392	6.236	6.539	6.394	6.553	6.536	6.432	6.580	6.668	6.352	6.646	6.559	6.563	
1457541	at	Akap14	BB019018	Mm.471848	X	5.965	6.055	6.093	5.876	5.858	5.584	5.759	6.169	5.979	5.778	5.885	5.781	5.663	5.657	5.884	6.025	5.762	6.043	5.971	5.845	5.894	5.833	5.579	5.876	
1457542	at	Nup133	BB211418	Mm.267812	8	5.824	5.566	5.840	5.687	5.722	5.813	5.753	5.846	5.756	5.522	5.744	5.649	5.560	5.783	5.726	5.772	5.758	5.658	5.923	5.679	5.743	5.971	6.034	5.744	
1457543	at	NA	Bbsm7	BB105776	Mm.23166	5	6.600	6.373	6.618	6.495	6.514	6.384	6.748	6.468	6.394	6.528	6.363	6.470	6.492	6.620	6.565	6.710	6.492	6.499	6.667	6.534	6.663	6.501	6.823	
1457544	at	NA	BB524771	Mm.122430	1	6.339	6.191	6.551	6.332	6.074	6.278	6.328	6.296	6.357	6.071	6.536	6.270	6.313	6.388	6.419	6.450	6.406	6.536	6.325	6.473	6.601	6.418	6.616	6.809	
1457545	at	9530036O11Rik	BB110572	Mm.57202	5	4.326	3.966	4.185	4.235	4.177	4.217	4.132	4.307	4.199	4.080	4.107	4.149	4.236	4.175	4.098	4.143	4.139	4.086	4.093	4.086	4.135	4.281	4.320	4.409	
1457546	at	Cnot1	BB486963	Mm.259220	8	6.931	6.476	6.787	6.763	6.699	6.584	6.848	6.578	6.588	6.514	6.953	6.575	6.702	6.784	6.680	6.850	6.680	6.620	6.708	7.029	6.967	6.731	6.927	7.033	
1457547	at	NA	BE980158	NA	NA	8.172	7.883	8.157	8.125	8.088	8.000	7.982	8.126	7.759	7.664	8.189	7.822	7.833	7.875	7.934	8.143	8.115	7.998	8.188	7.997	8.210	7.789	8.011	8.167	
1457548	at	Adamts6	BB227648	Mm.208125	13	6.826	6.731	6.672	6.616	7.026	7.033	7.073	6.786	7.541	7.266	6.477	6.883	7.226	7.035	6.801	7.093	6.984	6.745	6.863	7.011	6.699	6.567	6.885	6.835	
1457549	at	NA	BB043576	NA	NA	7.092	6.989	6.756	6.922	7.251	7.644	6.595	6.466	6.597	6.553	6.505	6.734	6.782	6.161	6.455	6.822	6.746	6.776	6.315	6.872	6.879	7.215	7.310	7.076	
1457550	at	300509A10Rik	BB015877	Mm.186748	9	5.547	5.489	6.204	6.149	6.274	6.455	6.695	6.478	6.807	6.474	6.580	6.474	6.714	6.795	6.488	6.474	6.795	6.488	6.474	6.795	6.488	6.474	6.795	6.488	
1457551	at	NA	BB524771	Mm.122430	1	6.339	6.191	6.551	6.332	6.074	6.278	6.328	6.296	6.357	6.071	6.536	6.270	6.313	6.388	6.419	6.450	6.406	6.536	6.325	6.473	6.601	6.418	6.616	6.809	
1457552	at	Zfp295	BB482373	Mm.458750	16	8.373	8.152	8.335	8.200	8.203	8.280	8.142	8.024	8.386	8.474	8.579	8.174	8.453	8.344	8.220	8.269	7.925	7.993	8.103	8.058	8.260	8.323	8.355	8.344	
1457553	at	NA	BB231894	NA	NA	7.836	7.653	8.001	8.183	7.957	7.942	7.868	7.947	7.945	7.778	7.623	7.783	7.894	7.827	8.017	7.908	7.906	7.818	7.876	7.917	8.026	8.092	8.016	8.047	
1457554	at	Apob	BM251092	Mm.221239	12	7.143	6.626	7.154	6.794	6.665	6.950	7.174	6.849	6.781	6.826	6.889	6.702	6.681	6.768	6.807	7.097	7.042	7.075	6.961	7.133	7.021	6.830	7.025	6.987	
1457555	at	Gpr151	BB375896	Mm.186779	18	5.701	5.663	5.609	5.688	5.771	5.658	5.732	5.756	5.760	5.563	5.830	5.632	5.662	5.788	5.771	5.701	5.723	5.887	5.749	5.785	5.677	5.870	5.647	5.743	
1457556	at	NA	BB215882	NA	NA	6.610	6.772	6.572	6.487	6.619	6.547	6.628	6.633	7.027	7.233	6.995	6.874	7.161	7.070	7.066	6.728	6.516	6.476	6.556	6.515	6.682	6.488	6.532	6.759	
1457557	at	A330076H08Rik	BB378962	Mm.131850	7	4.824	4.942	4.813	4.657	4.850	5.100	4.893	4.762	4.703	4.869	4.477	4.834	4.796	4.795	4.977	4.869	4.954	4.965	4.799	4.966	4.714	5.011	4.731	4.808	
1457558	at	300505F15Rik	BB215882	Mm.144187	17	6.246	6.223	6.208	6.192	6.274	6.281	6.252	6.198	6.249	6.252	6.174	6.263	6.312	6.235	6.287	6.246	6.132	6.276	6.276	6.276	6.276	6.276	6.276	6.276	
1457559	at	NA	BM199910	NA	NA	8.122	8.044	8.101	8.072	8.076	8.210	8.055	8.019	7.958	7.178	8.084	7.974	7.974	7.917	8.087	8.080	7.769	8.096	8.048	8.100	8.030	8.042	8.523	8.082	
1457560	at	NA	BB494559	NA	NA	7.319	7.128	7.270	7.233	7.228	7.394	7.217	7.430	7.157	7.202	7.263	7.186	7.007	7.249	7.221	7.101	7.298	7.186	7.325	7.197	7.222	7.433	7.282	7.185	
1457561	at	Itqa5	AW544851	Mm.16234	15	7.455	7.368	6.869	6.828	6.812	6.687	6.998	6.717	6.943	7.147	7.539	6.811	6.576	6.626	7.006	7.049	6.479	6.506	6.513	6.714	6.688	6.681	6.735	6.788	
1457562	at	Rps6kb1	BB195657	Mm.394280	11	6.033	6.015	5.792	5.900	5.954	6.168	5.831	5.823	5.860	5.599	5.530	5.854	5.769	5.995	5.875	5.943	5.668	5.763	6.143	5.746	5.785	5.648	6.237	5.800	
1457563	at	Egfr	BB409522	Mm.8534	11	4.309	4.494	4.491	4.661	4.565	4.363	4.428	4.570	4.671	4.512	4.570	4.478	4.849	4.353	4.541	4.589	4.375	4.294	4.722	4.290	4.497	4.535	4.799	4.545	
1457564	at	Dffa	BB194910	Mm.41433	4	6.725	6.668	6.493	6.610	6.695	6.626	6.668	7.021	6.710	6.650	6.981	6.162	6.518	6.526	6.536	6.378	6.686	6.780	6.671	6.632	6.622	6.449	6.422	6.532	
1457565	at	NA	BB4971485	Mm.89551	1																									

1457613	at	NA	BI788635	NA	NA	4.781	4.611	4.733	4.818	4.762	4.570	4.779	4.723	4.768	4.513	4.736	4.821	4.636	4.748	4.645	4.634	4.608	4.675	4.612	4.798	4.659	4.824	4.820
1457614	at	NA	BB792339	NA	NA	4.563	4.421	4.316	4.492	4.399	4.396	4.364	4.644	4.589	4.583	4.720	4.364	4.419	4.383	4.446	4.365	4.699	4.714	4.350	4.630	4.453	4.741	4.725
1457615	at	NA	BB755978	NA	NA	5.084	5.955	5.122	5.384	5.540	5.382	5.189	5.490	5.983	5.276	5.342	5.305	5.176	5.097	5.606	5.289	5.470	5.587	5.231	5.403	5.412	5.089	5.568
1457616	at	ENSMUSG000000	BB804426	Mm.427104	10	5.347	5.168	5.420	5.373	5.544	5.359	5.373	5.521	5.441	5.328	5.390	5.208	5.572	5.475	5.394	5.339	5.367	5.190	5.341	5.315	5.495	5.041	5.252
1457617	at	NA	AI051474	NA	NA	7.420	7.045	7.220	7.327	7.311	7.188	7.389	7.042	7.150	7.068	7.076	7.281	7.153	7.222	7.186	7.282	7.342	7.143	7.415	7.231	7.484	7.385	7.267
1457618	at	NA	BQ034009	NA	NA	6.875	6.656	6.698	6.813	6.742	6.794	6.818	6.890	6.769	6.746	6.788	6.706	6.592	6.648	6.796	6.815	6.844	6.767	6.792	6.932	6.910	6.887	6.992
1457619	at	BC015286	BB743970	Mm.443387	8	5.639	5.478	6.061	5.906	5.838	5.859	5.843	5.726	5.820	5.750	5.165	5.598	5.701	5.983	5.794	5.805	5.696	5.830	5.785	5.999	5.882	5.797	5.985
1457620	at	Hfr9c	BB792008	Mm.271798	16	4.009	4.088	4.001	3.953	4.163	4.081	3.988	4.075	4.068	4.000	4.031	4.122	4.183	4.134	4.000	4.130	3.812	4.013	4.049	4.031	4.098	3.878	4.023
1457621	at	Rp9ain	AI448238	Mm.275691	11	5.073	5.174	5.100	5.318	5.249	5.115	5.010	5.278	5.413	5.049	5.385	5.122	5.357	5.450	5.202	5.097	5.293	5.048	5.134	5.383	5.237	5.437	5.591
1457622	at	Rp1l1	BB278046	Mm.300655	14	6.329	6.348	6.138	6.338	6.228	6.238	6.203	6.212	6.284	6.199	6.227	6.159	6.168	6.338	6.075	6.163	6.174	6.230	6.209	6.200	6.378	6.218	6.346
1457623	x at	Trp53	AV102512	Mm.222	11	7.607	7.017	7.468	7.602	7.797	7.451	7.542	7.124	7.013	6.835	7.348	6.781	6.885	7.270	6.199	7.158	7.359	7.398	7.753	7.534	7.590	7.468	7.300
1457624	at	Rab8a	AV213532	Mm.162811	8	5.947	5.290	5.552	5.576	5.271	5.871	5.647	5.117	5.546	5.463	5.816	5.499	5.419	5.367	5.826	5.791	5.524	5.921	5.891	5.991	5.678	5.514	
1457625	s at	Meis2	BB279937	Mm.44963	5	6.918	7.104	7.336	7.015	7.392	7.124	6.937	7.150	7.328	7.179	7.185	7.270	7.253	7.140	7.195	7.235	7.023	7.069	7.027	6.878	6.845	6.974	7.098
1457626	at	D3Wsu106e	AA407555	Mm.438951	3	5.300	5.085	5.180	5.213	5.275	5.241	5.226	5.352	5.454	5.320	4.987	5.043	4.965	4.919	5.127	4.966	5.479	5.372	4.970	5.214	5.107	5.189	5.284
1457627	x at	Roon1l	AV210805	Mm.436668	15	5.295	5.225	5.284	5.263	5.456	5.381	5.263	5.208	5.466	5.480	5.203	5.772	5.362	5.392	5.342	5.232	5.361	5.383	5.325	5.436	5.325	5.228	5.340
1457628	at	Ccdc53	AV236222	Mm.208465	10	6.423	6.177	6.454	6.450	6.386	6.396	6.255	6.230	6.520	6.338	6.296	6.414	6.454	5.655	6.373	6.330	6.568	6.466	6.342	6.304	6.494	6.495	6.095
1457629	at	Atmin	BB251009	Mm.259736	8	7.557	7.191	7.636	7.459	7.749	7.511	7.692	7.294	7.197	7.319	7.285	7.406	7.419	7.254	7.530	7.737	7.602	7.528	7.505	7.768	7.630	7.620	7.633
1457630	at	NA	BB164523	NA	NA	8.135	7.872	8.241	7.870	7.917	8.108	8.170	7.965	7.578	8.127	8.030	7.779	7.660	7.917	8.243	8.047	7.999	8.282	8.193	8.418	7.825	7.984	8.056
1457631	at	Z310047N11Rik	AV090279	Mm.405083	1	4.993	5.210	5.080	5.103	5.207	4.903	5.041	4.920	5.422	4.855	4.863	4.976	5.064	4.945	4.978	4.921	5.122	5.054	4.896	5.122	4.761	4.752	5.302
1457632	s at	Meis2	BB207647	Mm.247566	2	9.357	9.025	9.299	9.195	8.954	9.396	9.413	9.180	8.613	9.225	8.401	9.040	8.903	8.980	8.964	9.225	9.683	9.493	9.701	9.301	9.078	9.270	9.117
1457633	x at	Cov6a2	AV005759	Mm.43824	7	14.070	13.765	14.037	14.116	13.802	14.020	14.041	13.994	13.460	13.703	13.864	13.754	13.611	13.610	13.905	13.966	14.280	14.364	14.184	14.189	14.304	14.209	14.202
1457634	at	493048BE11Rik	BG093687	Mm.381904	X	3.945	3.836	3.921	3.855	3.763	3.889	3.988	3.940	3.928	3.940	3.810	3.825	3.834	3.922	3.806	3.890	3.900	4.085	3.967	3.971	3.904	3.739	3.939
1457635	s at	Nrc1	BB096079	Mm.129481	18	8.894	8.722	8.912	8.975	8.758	9.049	9.160	9.086	8.532	8.885	8.556	9.164	8.783	8.702	8.883	8.784	9.137	8.955	8.725	8.503	9.069	9.341	8.663
1457636	x at	NA	BB469696	NA	NA	8.816	8.543	8.565	8.391	8.452	8.718	8.643	8.439	8.362	8.717	8.503	8.515	8.421	8.669	8.786	8.628	8.363	8.223	8.566	8.429	8.340	8.456	8.543
1457637	at	NA	BB992966	NA	NA	5.478	5.173	6.035	5.811	5.570	6.766	6.467	5.498	5.581	5.508	5.817	6.413	5.905	6.132	6.948	5.986	5.628	5.382	5.492	5.712	5.524	5.385	6.050
1457638	x at	Rfc2	AV039064	Mm.332739	5	6.725	7.334	6.664	6.712	6.776	6.705	6.712	6.734	7.270	7.071	6.835	6.751	6.631	7.108	6.610	6.630	6.626	6.891	6.694	6.430	6.804	6.964	6.544
1457639	at	Rp66v1h	AV116521	Mm.409918	1	8.308	8.161	8.937	8.738	8.013	8.738	8.013	8.738	8.757	8.858	8.159	7.894	8.738	7.787	7.832	8.259	7.720	7.482	7.720	7.720	7.720	7.720	7.720
1457640	x at	Tip5	BB202843	Mm.295908	11	7.749	7.493	7.519	7.519	7.423	7.411	7.411	7.519	7.423	7.411	7.519	7.423	7.411	7.519	7.423	7.411	7.519	7.423	7.411	7.519	7.423	7.411	7.519
1457641	at	NA	AV164871	NA	NA	7.269	7.037	7.380	7.272	7.258	7.425	7.322	7.204	7.057	7.299	7.026	7.132	7.027	6.904	7.230	7.390	7.498	7.433	7.177	7.386	7.364	7.534	7.434
1457642	at	5730507N06Rik	BB255999	Mm.444942	2	5.637	6.236	6.179	5.977	6.274	6.226	6.156	6.640	6.330	6.440	5.580	6.647	6.530	6.368	6.368	5.902	6.797	6.484	6.519	6.241	6.251	6.627	6.100
1457643	x at	NA	AV161067	NA	NA	8.314	8.326	8.135	8.302	8.311	8.117	8.364	8.556	8.584	8.545	8.809	8.493	8.402	8.535	8.203	8.168	8.488	8.304	8.210	8.149	8.412	8.302	8.150
1457644	s at	Cxcl1	BB554288	Mm.21013	5	9.264	8.455	8.476	9.941	7.725	8.404	8.407	7.881	7.712	7.707	9.983	7.573	7.656	7.854	7.888	8.427	7.407	7.656	7.610	7.433	7.497	7.626	7.907
1457645	at	C130079G13Rik	BB375322	Mm.75765	3	3.732	3.517	3.523	3.560	3.588	3.499	3.747	3.569	3.569	3.501	3.571	3.644	3.674	3.591	3.545	3.509	3.512	3.601	3.533	3.521	3.510	3.585	3.620
1457646	at	Hoxa11o5	AV116521	Mm.409918	6	4.967	4.765	4.844	4.764	4.831	5.172	5.033	4.637	4.530	4.455	5.031	4.560	4.591	4.801	4.789	4.811	4.867	4.827	4.803	5.291	4.628	4.930	4.688
1457647	at	1602923N17Rik	BB209655	Mm.322739	4	7.434	6.133	6.432	7.518	7.589	4.952	7.482	6.292	4.827	7.512	4.426	5.545	7.331	7.786	7.382	7.372	7.533	7.712	7.516	7.322	7.644	7.733	7.730
1457648	x at	BC004044	BB084182	Mm.320355	5	6.713	6.528	6.819	6.788	6.610	6.605	6.433	6.745	6.637	6.388	6.887	6.540	6.682	6.798	6.804	6.743	6.545	6.715	6.788	6.744	6.291	6.631	7.017
1457649	x at	Ptchd1	BB271066	Mm.218811	X	7.779	7.458	7.675	7.543	7.732	6.659	7.692	7.702	7.637	7.438	7.984	7.528	7.658	7.764	7.662	7.498	7.457	7.610	7.481	7.874	7.689	7.740	7.553
1457650	x at	Atq4a	BB209076	Mm.102230	X	5.692	5.421	5.704	5.999	6.051	5.810	5.921	5.897	6.116	6.106	5.588	5.925	5.690	5.905	5.994	5.956	5.940	5.685	5.697	5.611	6.220	6.103	6.187
1457651	x at	Rem2	BB270375	Mm.274727	14	6.940	6.394	6.336	6.473	6.423	6.537	6.524	6.413	6.368	6.356	6.306	6.673	6.519	6.283	6.402	6.695	6.645	6.753	6.790	6.865	6.616	6.481	6.559
1457652	x at	NA	BB477203	NA	NA	10.356	9.824	10.220	10.266	10.126	10.093	10.306	10.244	10.130	9.953	10.128	9.790	9.966	9.948	10.220	10.647	9.986	10.114	10.307	10.162	10.086	9.874	10.169
1457653	at	NA	BB292252	NA	NA	8.584	8.250	8.520	8.345	8.398	8.416	8.523	8.328	8.438	8.265	8.266	8.265	8.492	8.397	8.584	8.407	8.392	8.681	8.436	8.289	8.279	8.482	8.483
1457654	at	NA	AV161067	NA	NA	5.424	5.940	5.543	5.533	5.165	5.231	5.493	5.292	5.433	5.082	5.252	5.094	5.128	5.623	5.316	5.455	5.420	5.434	5.655	5.455	5.441	5.481	5.481
1457655	at	Arhaa27	BB253131	Mm.397197	11	5.025	4.829	5.157	7.797	5.397	5.657	6.165	5.938	5.368	5.													

1457702	at	Gpr12	BB284435	Mm.153539	5	4.059	3.909	4.106	4.022	4.059	3.943	4.072	4.133	4.059	3.975	4.132	4.061	4.124	3.977	3.966	3.887	3.891	3.927	4.068	3.961	3.983	3.927	3.916	4.009	
1457703	at	Cacna2d4	BE952838	Mm.440773	6	6.484	6.161	6.454	6.408	6.366	6.533	6.409	6.278	6.334	6.393	6.350	6.275	6.378	6.334	6.344	6.312	6.566	6.468	6.440	6.449	6.214	6.495	6.468	6.434	
1457704	at	Zfp385b	BE982894	Mm.126649	2	7.430	7.162	7.344	7.217	7.389	7.197	7.089	7.201	7.085	7.304	7.335	7.206	7.369	6.891	7.234	7.257	7.323	7.233	7.383	7.334	7.305	7.327	6.911	7.256	7.398
1457705	at	S330421C15RIK	BE692115	Mm.403826	10	7.749	7.287	7.536	7.496	7.604	7.646	7.581	7.654	7.388	7.416	7.394	7.516	7.531	7.470	7.613	7.753	7.536	7.523	7.467	7.684	7.593	7.387	7.381	7.541	
1457706	at	BC03030336	BB221737	Mm.276479	7	8.307	8.494	8.418	8.370	8.224	8.337	8.276	8.235	8.306	8.289	8.218	8.272	8.313	8.275	8.241	8.323	8.083	8.323	8.337	8.317	8.080	8.220	8.504	8.437	
1457707	at	Mbt2	BB817946	Mm.217412	7	6.595	6.055	6.357	6.211	6.262	6.297	6.317	6.198	5.963	6.015	6.274	5.967	6.176	6.429	6.235	6.315	6.385	6.171	6.097	6.194	6.502	6.613	6.331	6.403	
1457708	at	Mcd4	BB753827	Mm.259308	6	6.691	6.550	6.896	6.690	6.429	6.656	6.519	6.605	6.623	6.837	6.735	6.579	6.671	6.708	6.678	6.639	6.388	6.368	6.361	6.560	6.698	6.567	6.472	6.700	
1457709	a	at	A930005H10RIK	BF318375	Mm.392043	3	7.171	7.050	8.222	8.155	8.826	8.076	8.324	8.360	8.311	8.383	8.060	8.395	7.428	7.642	8.352	8.231	9.119	8.500	8.316	8.264	8.811	9.069	8.597	8.602
1457710	at	Zhx3	BE952825	Mm.444643	2	5.891	5.521	5.486	5.724	5.513	5.705	5.538	5.396	5.459	5.465	5.304	5.870	5.470	5.533	5.536	5.552	5.571	5.441	5.467	5.618	5.765	5.842	5.720	5.602	
1457711	at	Ranbp3	BB211023	Mm.29608	17	7.906	7.556	7.675	7.732	7.908	7.679	7.738	7.819	7.934	7.744	7.766	7.770	7.847	7.745	7.696	7.622	7.658	7.726	7.756	7.748	7.805	7.893	7.803	7.741	
1457712	at	AW549269	BB073323	Mm.889934	14	6.233	6.128	6.129	6.456	6.219	6.491	6.056	6.521	6.368	6.482	6.274	6.328	6.106	6.401	6.384	6.235	6.448	6.470	6.166	6.213	6.423	6.682	6.433	6.506	
1457713	at	Erc5	BB341696	Mm.2213	1	4.165	4.162	4.276	4.234	4.070	4.135	4.229	4.168	4.077	3.992	4.092	4.124	4.202	4.061	4.227	4.327	4.126	4.195	4.220	4.178	3.935	4.004	4.062	4.288	
1457714	at	2310005N03RIK	BF465998	Mm.86589	1	6.102	5.716	5.933	6.027	5.953	6.017	6.011	6.121	5.921	6.168	6.132	5.943	6.124	5.947	5.999	6.027	5.961	5.896	6.019	6.362	6.044	6.052	6.148	6.147	
1457715	at	1010001B22RIK	AW987535	Mm.427742	5	5.145	4.981	5.141	5.123	5.173	5.040	5.192	5.146	5.161	5.084	5.171	4.908	4.979	4.846	5.000	4.956	5.110	5.060	5.182	5.211	5.081	5.112	5.277	5.187	
1457716	at	Otdud7b	BM235074	Mm.272336	3	8.419	7.981	8.677	8.302	8.223	8.294	8.191	8.207	8.010	8.413	8.194	8.496	8.483	8.034	8.808	8.722	8.501	8.251	8.304	8.574	8.554	8.594	8.721	8.984	
1457717	at	AI987986	AI875033	Mm.443881	14	5.542	5.323	5.446	5.460	5.453	5.267	5.373	5.507	5.522	5.267	5.414	5.597	5.490	5.405	5.473	5.458	5.367	5.462	5.541	5.456	5.544	5.425	5.526	5.462	
1457718	at	Scrap	BA440691	Mm.428042	7	8.100	7.564	8.083	7.868	7.706	7.965	8.002	7.686	7.509	7.718	7.920	7.735	7.897	7.806	7.815	8.108	7.776	7.995	7.968	8.087	7.720	7.733	7.838	8.001	
1457719	at	NA	BB230618	NA	NA	6.538	6.526	6.348	6.413	6.229	6.294	6.335	6.417	6.480	6.644	6.395	6.249	6.431	6.534	6.344	6.345	6.437	6.410	6.332	6.303	6.267	6.169	6.357	6.122	
1457720	at	TTMUTSG000000	BB287967	Mm.297685	4	4.966	4.502	4.640	4.678	4.427	4.735	5.053	4.790	4.767	4.498	4.889	4.538	4.656	4.802	4.674	4.873	4.780	4.745	4.727	5.041	4.802	4.693	4.874	4.719	
1457721	at	Ppar	AI118064	Mm.212789	15	9.653	9.066	9.540	9.348	9.053	9.314	9.339	9.455	8.604	8.750	8.365	9.092	8.679	8.330	8.773	9.531	9.735	9.701	9.174	9.380	9.970	9.861	9.449	9.287	
1457722	at	Klr1b1	BA240995	Mm.259262	6	5.069	4.877	5.090	5.073	5.052	5.081	5.384	5.269	4.869	4.892	5.015	4.920	4.999	5.108	5.203	5.099	5.083	4.924	4.909	5.330	5.050	5.039	5.098	5.269	
1457723	at	NA	BB467267	NA	NA	7.458	7.368	7.430	7.603	7.325	7.378	7.576	7.361	7.342	7.348	7.340	7.292	7.312	7.379	7.388	7.321	7.318	7.471	7.406	7.310	7.529	7.336	7.486	7.321	
1457724	at	Ctst	AV023994	Mm.930	13	6.546	5.984	6.317	6.453	6.044	6.579	6.701	6.603	6.490	6.326	6.365	6.682	5.898	6.621	6.555	6.053	6.685	6.388	6.397	6.499	6.981	6.388	6.607	6.528	
1457725	at	EG666926	BB221406	Mm.440719	19	7.018	6.840	6.928	6.940	6.824	6.874	6.963	6.707	6.773	6.746	6.617	6.446	6.906	6.682	6.712	6.830	6.745	6.885	6.797	6.925	6.935	6.799	6.845	7.192	
1457726	at	Rps15a	BB211337	Mm.288212	7	6.521	6.188	6.412	6.348	6.185	6.467	6.249	6.222	6.077	6.041	6.350	6.305	6.073	6.388	6.460	6.493	6.498	6.645	6.587	6.710	6.639	6.290	6.787	6.602	
1457727	at	EG544864	AV363909	Mm.403066	12	7.628	7.556	7.453	7.707	7.626	7.271	7.474	7.586	7.443	7.570	7.485	7.647	7.446	7.337	7.566	7.539	8.010	8.010	7.857	7.831	7.915	8.000	7.981	7.704	
1457728	at	Berpl1	Mm.67173	Mm.458197	8	6.719	6.646	6.763	6.638	6.778	6.678	6.778	6.686	6.708	6.778	6.686	6.708	6.778	6.686	6.708	6.778	6.686	6.708	6.778	6.686	6.708	6.778	6.686	6.708	
1457729	at	NA	AW492805	NA	NA	6.434	6.156	5.513	5.313	5.212	5.292	5.231	5.346	5.240	5.272	5.355	5.440	5.346	5.272	5.355	5.440	5.346	5.272	5.355	5.440	5.346	5.272	5.355	5.440	
1457730	at	Fancm	BB093527	Mm.374847	12	5.576	5.336	5.332	5.352	5.055	5.165	5.239	5.297	5.243	5.065	5.137	5.379	5.270	5.116	5.028	5.296	5.186	5.294	5.225	5.289	5.351	5.120	5.212	5.136	
1457731	at	Psip1	BB247595	Mm.105331	4	6.887	7.034	7.024	7.178	6.896	7.126	7.048	7.108	6.918	7.283	6.797	7.310	7.347	7.084	7.100	7.337	7.120	7.150	7.174	7.150	7.174	7.150	7.347	7.436	7.183
1457732	at	NA	BG261527	NA	NA	6.948	6.415	7.248	7.465	7.020	7.157	6.957	7.013	6.596	6.734	5.969	7.042	6.809	6.487	6.963	7.302	7.555	7.390	7.057	7.110	7.252	7.835	7.323	6.992	
1457733	at	NA	AA067808	NA	NA	4.279	4.210	4.256	4.242	4.142	4.332	4.316	4.075	4.195	4.095	4.242	4.276	4.249	4.262	4.272	4.257	4.125	4.226	4.315	4.302	4.247	4.257	4.311	4.312	
1457734	at	NA	BE991235	NA	NA	5.739	5.661	5.676	5.693	5.450	5.536	5.617	5.677	5.674	5.370	5.482	5.530	5.583	5.743	5.779	5.554	5.588	5.725	5.653	5.741	5.696	5.603	5.661	5.448	
1457735	at	NA	BB547266	NA	NA	8.011	7.950	7.938	7.995	7.997	7.863	7.991	7.959	7.815	7.940	7.810	7.962	7.736	7.869	7.801	8.078	8.023	8.053	8.035	7.829	7.917	8.040	8.005	8.107	
1457736	at	Enp3d7	Mm.44356	5	6.532	6.404	6.419	5.768	6.593	6.428	6.552	6.838	6.353	5.796	6.529	6.582	6.535	6.332	6.521	6.541	6.532	6.521	6.541	6.532	6.521	6.541	6.532	6.521	6.541	
1457737	at	EG154572	BB172399	Mm.255656	10	6.618	6.523	6.615	6.774	6.577	6.485	6.588	6.677	6.667	6.302	6.577	6.500	6.384	6.654	6.493	6.596	6.482	6.429	6.667	6.657	6.927	6.709	6.711	6.666	
1457738	at	Lsm14	BB092414	Mm.276503	7	4.309	4.389	4.494	4.356	4.468	4.330	4.305	4.326	4.225	4.397	4.357	4.262	4.399	4.381	4.283	4.471	4.353	4.682	4.444	4.432	4.400	4.262	4.431	4.775	
1457739	at	Ilf3	BG083661	Mm.440026	9	6.486	6.346	6.456	6.582	6.457	6.320	6.490	6.236	6.383	6.414	6.615	6.445	6.420	6.433	6.395	6.595	6.470	6.465	6.634	6.562	6.450	6.449	6.652	6.470	
1457740	at	Arntl	BB199284	Mm.440371	7	7.086	6.936	7.288	7.004	7.081	6.985	7.020	7.193	7.229	7.102	7.382	6.872	7.173	7.178	6.885	7.345	7.250	6.980	7.304	7.286	7.177	6.968	7.063	7.011	
1457741	at	NA	AV377040	NA	NA	6.267	6.093	6.126	6.109	5.982	6.156	6.159	6.006	5.755	6.007	5.956	6.177	6.022	6.037	6.144	6.022	5.823	6.295	6.304	6.148	6.222	6.143	6.046	6.251	
1457742	at	D9Wsu74e	BB443857	NA	9	6.910	6.948	6.929	7.051	7.172	6.893	6.950	6.976	7.014	6.875	7.223	6.850	6.929	7.019	6.874	6.878	6.863	6.928	6.986	6.749					

1457791	at	B8300080H7Rik	BB333194	Mm.394431	7	8.368	8.191	8.242	8.314	8.412	8.287	8.304	8.176	8.199	8.251	8.142	8.354	8.317	8.314	8.368	8.458	8.645	8.540	8.652	8.527	8.575	8.566	8.387	8.415	
1457792	at	NA	BB468700	NA	NA	5.469	5.623	5.522	5.715	5.593	5.667	5.682	5.707	5.384	5.544	5.716	5.550	5.620	5.439	5.831	5.497	5.523	5.694	5.716	5.666	5.567	5.566	5.836	5.581	
1457793	a at	Whsc11	BB154130	Mm.217337	8	6.657	6.675	6.781	6.533	6.645	6.762	6.444	6.760	6.710	6.735	6.733	6.997	7.039	6.854	6.778	6.654	6.780	7.137	6.622	6.690	6.855	7.062	6.695	6.775	
1457794	at	Whsc11	BB154130	Mm.217337	8	6.688	6.534	6.671	6.520	6.378	6.503	6.476	6.318	6.254	6.486	6.179	6.631	6.455	6.694	6.526	6.448	6.492	6.517	6.441	6.413	6.487	6.854	6.624	6.488	
1457795	at	NA	BB665691	NA	NA	7.119	7.232	7.157	7.234	6.995	6.978	7.299	7.174	7.049	6.910	7.065	7.036	7.100	6.955	7.065	7.027	7.100	7.088	7.280	7.165	7.339	7.306	7.328	7.387	
1457796	at	Ubr1	AV292935	Mm.389330	2	5.046	5.012	5.065	5.106	4.870	5.014	4.990	4.929	4.789	4.919	4.750	4.757	4.925	5.028	5.043	5.005	4.717	5.135	5.039	5.038	5.093	4.989	5.174	5.031	
1457797	at	AB055517	AV340788	Mm.435623	17	9.861	9.780	10.165	8.656	7.110	9.571	9.870	8.607	8.907	9.064	7.575	8.670	8.718	8.515	9.959	9.980	9.014	8.549	7.130	8.562	7.902	6.730	8.626	8.900	
1457798	at	C1300390I16Rik	BE985522	Mm.31256	12	6.119	6.316	6.293	6.333	6.157	6.276	6.428	6.345	6.241	6.104	6.228	6.196	6.150	5.955	6.182	6.250	6.458	6.233	6.352	6.292	6.379	6.242	6.332	6.312	
1457799	at	Kcns3	AW489633	Mm.113278	12	6.497	6.119	6.196	6.345	6.319	6.320	6.345	6.467	6.431	6.223	6.429	6.195	6.257	6.501	6.226	6.211	6.140	6.361	6.249	6.361	6.535	6.243	6.400	6.396	
1457800	at	Z900019G14Rik	AW122190	Mm.267547	2	7.638	7.149	7.353	7.620	7.441	7.293	7.445	7.307	7.459	7.377	7.416	7.237	7.399	7.322	7.317	7.429	7.264	7.318	7.329	7.517	7.387	7.173	7.427	7.672	
1457801	at	B930024M15Rik	BB144328	Mm.453299	10	9.043	8.343	8.888	8.820	8.634	8.773	7.985	8.629	8.295	8.328	8.451	8.464	8.329	8.281	8.445	8.867	8.822	9.021	8.643	8.844	9.030	8.970	8.855	8.997	
1457802	at	BB30012P20Rik	AW545180	NA	3	6.576	6.207	6.404	6.283	6.176	6.347	6.327	6.036	5.842	5.985	6.127	6.458	6.148	5.910	6.197	6.608	6.410	6.514	6.171	6.246	6.399	6.470	6.446	6.228	
1457803	at	NA	B1134709	NA	NA	7.112	7.394	7.201	7.160	7.128	7.071	7.235	7.114	7.369	7.113	7.217	6.987	7.023	7.127	6.964	7.186	7.268	7.469	7.060	7.137	7.189	7.487	7.171	7.170	
1457804	at	NA	BB588463	NA	NA	6.605	6.359	6.417	6.645	6.527	6.564	6.507	6.377	6.482	6.211	6.419	6.316	6.368	6.572	6.312	6.607	6.832	6.628	6.568	6.763	6.654	6.687	6.446	6.438	
1457805	at	NA	BM205530	NA	NA	5.000	4.907	5.146	4.942	4.977	5.150	4.971	4.992	4.979	5.020	5.392	4.817	4.968	4.873	4.846	5.118	4.882	4.775	5.033	5.033	4.985	4.916	5.097	4.872	
1457806	at	B830028B13Rik	BB292932	Mm.323610	7	9.099	8.968	9.183	9.176	9.335	9.026	9.050	9.082	9.001	9.100	9.242	9.163	8.978	9.009	9.109	9.231	9.069	9.128	8.737	8.757	8.959	9.112	9.155	9.057	
1457807	at	Gnpnat1	LOC217013	Mm.312945	14	5.523	5.194	5.327	5.344	5.341	5.350	5.175	5.292	4.972	5.250	5.255	5.500	5.338	5.293	5.391	5.379	5.557	5.455	5.207	5.408	5.540	5.667	5.680	5.538	
1457808	at	LncA12842	BE946928	Mm.352566	14	5.511	5.074	5.197	5.284	5.068	5.057	5.070	5.424	5.388	5.061	5.284	5.222	5.439	5.119	5.184	5.357	5.293	5.383	5.482	5.403	5.234	5.113	5.321	5.784	
1457809	at	Kat2b	BM115172	Mm.255025	17	7.447	7.519	7.906	7.823	7.746	7.865	7.955	7.717	7.858	7.780	7.727	7.879	7.896	7.970	7.873	7.766	7.918	7.874	7.850	7.858	7.988	8.160	7.803	7.693	
1457810	at	Zbtb37	BB769947	NA	1	5.335	5.150	5.258	5.329	5.296	5.568	5.515	5.267	5.197	5.089	5.442	5.308	5.279	5.275	5.375	5.105	5.327	5.202	5.271	5.294	5.521	5.013	5.562	5.369	
1457811	at	NA	BM217632	NA	NA	7.556	7.127	7.554	7.572	7.355	7.615	7.550	7.013	7.161	7.413	7.377	7.254	7.297	7.135	7.441	7.643	7.299	7.244	7.409	7.477	7.415	7.304	7.498	7.678	
1457812	at	Trp53bp1	BB119893	Mm.475892	2	4.471	4.175	4.601	4.294	4.816	4.365	4.357	4.326	4.276	4.247	4.615	4.289	4.452	4.277	4.641	4.382	4.764	4.909	4.260	4.374	4.616	4.515	4.403	4.875	
1457813	at	NA	BB033054	NA	NA	6.196	5.916	5.966	6.062	6.202	5.867	6.036	6.058	5.874	5.679	5.638	5.724	5.748	5.860	5.766	6.090	6.043	5.959	5.730	5.596	5.967	6.214	6.138	5.672	
1457814	at	NA	AI465523	NA	NA	5.495	5.654	5.534	5.512	5.627	5.771	5.600	5.546	5.386	5.580	5.360	5.422	5.228	5.335	5.453	5.553	5.437	5.336	5.474	5.380	5.273	5.472	5.704	5.771	
1457815	at	NA	BB711307	NA	NA	5.823	5.573	5.661	5.713	5.767	5.640	5.708	5.631	5.684	5.542	5.540	5.675	5.626	5.620	5.583	5.667	5.876	5.792	5.642	5.399	5.810	5.708	5.833	5.561	
1457816	at	Casp9	BB781510	Mm.88829	4	8.667	8.517	8.585	8.580	8.561	8.578	8.562	8.717	8.679	8.651	8.712	8.585	8.700	8.602	8.555	8.613	8.557	8.549	8.581	8.543	8.553	8.318	8.577	8.362	
1457817	at	NA	AI661351	NA	NA	4.462	4.282	4.451	4.456	4.565	4.577	4.464	4.725	4.610	5.104	4.864	4.955	4.452	5.101	5.080	4.757	4.468	5.086	4.557	4.506	4.457	5.222	5.222	5.222	
1457818	at	NA	BE990375	NA	NA	4.642	4.261	4.490	4.558	4.601	4.521	4.525	4.730	4.621	4.525	4.732	4.656	4.455	4.621	4.616	4.506	4.506	4.709	4.874	5.272	4.376	5.633	5.633	5.633	
1457819	at	Scn9a	AI549833	Mm.440889	2	5.069	4.955	4.682	4.994	4.815	4.842	4.864	4.751	4.957	4.904	4.995	4.858	4.879	4.795	4.789	4.717	4.971	4.820	4.920	4.897	4.871	4.801	4.897	5.026	
1457820	at	NA	BE943548	NA	NA	7.791	7.368	7.600	7.535	7.460	7.432	7.685	7.536	7.306	7.409	7.752	7.500	7.322	7.411	7.691	7.596	7.394	7.592	7.569	7.613	7.370	7.398	7.492	7.528	
1457821	at	NA	BI499746	NA	NA	5.868	5.817	5.742	5.849	5.851	5.804	5.845	5.778	5.799	5.800	5.687	5.887	5.925	5.944	5.841	5.971	5.633	5.723	5.852	5.786	6.002	5.818	5.913	5.678	
1457822	at	NA	BI465596	NA	NA	5.729	5.662	5.446	5.767	5.783	5.873	5.843	5.899	5.694	5.438	5.646	5.836	5.512	5.504	5.802	5.832	5.955	5.814	5.892	5.965	5.746	5.946	5.960	5.706	
1457823	at	Cyr61	BB533736	Mm.1231	3	8.948	7.700	7.061	6.925	7.679	7.406	7.635	7.594	7.982	7.783	9.257	8.484	8.516	7.901	7.851	7.397	7.468	6.928	6.673	6.588	7.588	7.947	7.034	7.597	
1457824	at	Piscr1	AI504076	Mm.421956	9	6.853	6.303	6.412	5.936	6.211	5.911	5.930	5.906	5.897	6.057	6.204	5.911	5.921	5.796	6.071	6.479	5.426	5.535	5.556	5.443	5.694	6.009	5.966	6.363	
1457825	at	NA	BM20948	Mm.20948	11	16.530	10.281	10.285	10.552	10.494	10.563	10.578	10.317	10.471	10.277	10.324	10.597	10.279	10.295	10.622	10.328	10.392	10.282	10.392	10.282	10.392	10.282	10.392	10.282	10.392
1457826	a at	B1810043H04Rik	AV056885	Mm.46699	11	11.677	11.669	11.388	11.522	11.669	11.418	11.536	11.950	11.464	11.208	11.444	11.827	11.567	11.212	11.398	11.342	12.351	12.308	11.742	11.768	12.220	12.240	11.638	11.435	
1457827	at	Arsl	BB084936	Mm.317021	3	4.544	5.064	4.722	4.490	4.900	4.608	4.702	4.656	5.084	4.991	4.738	4.589	4.680	4.830	4.820	4.723	4.602	4.549	4.952	4.744	4.646	4.569	4.434	4.535	
1457828	at	Stam	BE690800	Mm.273174	2	5.957	5.401	5.552	5.751	5.770	5.997	5.631	5.708	5.610	5.659	6.176	5.641	5.717	5.966	5.800	5.949	5.658	5.959	5.951	6.061	5.680	5.757	5.971	5.912	
1457829	at	C1qn	BM199355	Mm.358581	8	6.470	6.345	6.344	6.431	6.374	6.426	6.357	6.324	6.424	6.465	6.380	6.354	6.294	6.456	6.346	6.526	6.325	6.281	6.396	6.383	6.465	6.366	6.367	6.507	
1457830	at	NA	AV247312	NA	NA	6.900	6.865	6.749	6.891	6.730	6.802	6.767	7.048	7.107	6.907	6.762	6.635	6.879	6.964	6.964	6.938	6.697	6.852	6.876	6.892	6.912	6.803	7.043	6.902	
1457831	at	Trim61	BB698935	Mm.28010	8	6.039	5.901	5.869	5.929	5.815	5.555	5.844	5.907	5.821	5.861	5.896	5.928	5.832	5.871	6.004	5.949	5.893	5.757	5.797	5.935	6.015	5.711	6.086	5.872	

1457880	at	NA	BE943713	NA	NA	7.621	7.210	7.422	7.437	7.391	7.252	7.451	7.314	7.294	7.261	7.292	7.299	7.272	7.370	7.462	7.597	7.153	7.440	7.370	7.475	7.611	7.370	7.587	7.655
1457881	at	Osblp6	BB197141	Mm.240435	2	5.753	5.670	5.774	5.904	5.771	6.042	5.786	5.291	5.791	5.841	5.839	5.793	5.594	5.107	5.602	6.085	5.647	6.779	6.246	5.875	6.354	5.577	6.386	6.753
1457882	at	Eta1a	BB079695	Mm.178684	11	4.543	4.459	4.585	4.452	4.519	4.615	4.636	4.499	4.369	4.410	4.519	4.563	4.559	4.682	4.343	4.447	4.533	4.507	4.700	4.683	4.586	4.671	4.579	4.453
1457883	at	NA	BB225963	NA	NA	10.192	9.632	10.358	10.462	10.072	10.371	10.421	10.355	8.710	9.522	9.722	9.989	9.429	9.197	10.083	10.395	10.567	10.460	10.201	10.357	10.108	10.737	10.445	10.363
1457884	at	4732496C06Rik	BB010533	NA	7	5.534	5.324	5.573	5.535	5.454	5.419	5.454	5.465	5.415	5.238	5.547	5.386	5.358	5.213	5.483	5.322	5.277	5.815	5.277	5.423	5.628	5.507	5.390	
1457885	at	NA	BB075886	NA	NA	6.202	6.272	6.219	5.921	6.172	6.308	6.151	6.213	6.076	6.156	6.120	6.102	6.346	6.234	6.064	6.123	6.099	6.204	6.066	6.020	6.198	6.374	6.167	6.209
1457886	at	LOC552873	BG075804	Mm.408351	NA	5.300	4.789	5.238	4.936	4.932	5.175	5.043	5.264	4.700	4.869	4.889	5.006	4.947	4.918	5.139	5.248	5.240	5.208	5.068	4.981	5.131	5.106	5.011	5.211
1457887	at	Sspo	BG066619	Mm.25039	6	8.171	7.870	7.975	8.060	8.062	7.957	7.899	7.998	8.055	7.945	8.043	7.873	8.044	7.987	8.047	7.917	8.005	7.936	8.072	8.142	7.974	7.886	7.996	8.118
1457888	at	NA	BM238039	NA	NA	7.250	7.280	7.104	7.342	7.172	7.325	7.336	7.298	7.153	7.221	6.967	7.584	7.422	7.112	7.472	7.301	7.517	7.157	6.977	7.243	7.378	7.812	7.274	7.435
1457889	at	AU014972	BG070143	NA	19	5.088	5.117	4.722	4.963	4.898	4.852	4.844	5.125	4.935	5.148	4.873	4.975	5.194	4.870	4.992	4.758	5.199	5.043	4.630	4.804	5.207	5.540	5.139	4.826
1457890	at	D6Ert0234e	C79485	NA	6	6.529	6.386	6.379	6.396	6.421	6.482	6.429	6.617	6.659	6.485	6.608	6.472	6.394	6.418	6.493	6.337	6.348	6.369	6.457	6.314	6.447	6.254	6.572	6.454
1457891	at	C230011H18Rik	BB381144	NA	2	6.259	6.335	6.316	6.534	6.388	6.414	6.597	6.291	6.287	6.089	6.614	6.430	6.422	6.498	6.747	6.307	6.417	6.368	6.571	6.432	6.412	6.671	6.411	6.769
1457892	at	NA	BE952660	NA	NA	4.834	4.595	4.715	4.768	4.763	4.676	4.884	4.756	4.703	4.676	4.924	4.791	4.541	4.732	4.783	4.890	4.698	4.787	4.745	4.861	4.410	4.684	4.969	4.902
1457893	at	NA	BB521459	NA	NA	4.983	4.605	5.089	5.004	4.389	5.065	5.228	4.813	4.746	4.758	4.958	4.763	4.858	4.899	4.977	4.938	4.834	4.828	5.261	5.212	5.030	4.891	5.075	5.042
1457894	at	NA	BB284616	NA	NA	4.388	4.103	4.771	4.783	4.134	4.502	4.672	4.198	4.085	4.045	4.240	4.072	4.305	4.218	4.262	4.589	4.128	4.344	4.247	4.310	4.362	4.402	4.179	4.286
1457895	at	Kif18a	BM240074	Mm.274086	2	3.914	3.912	3.931	3.836	3.908	3.967	3.945	4.123	3.948	3.935	4.009	3.881	3.914	3.953	3.988	3.971	4.001	4.012	3.989	4.026	3.985	4.010	4.087	4.146
1457896	at	Esrrq	BM120183	Mm.89989	1	8.611	8.010	8.799	8.719	8.033	8.733	8.804	7.744	7.492	8.045	7.309	8.232	7.610	7.695	7.920	8.730	8.806	8.855	8.730	9.140	7.960	8.128	7.579	8.393
1457897	at	NA	AV245518	NA	NA	7.035	6.754	7.004	7.009	6.966	6.984	7.064	7.018	6.971	6.831	6.919	6.816	7.070	6.936	6.927	7.035	6.967	6.931	6.954	7.018	6.975	7.119	6.945	6.872
1457898	at	NA	BM243944	NA	NA	5.576	4.703	5.721	5.361	5.033	5.215	5.452	5.033	5.060	5.354	5.770	5.071	5.211	5.009	5.425	5.322	5.493	5.561	5.544	5.428	4.987	5.101	5.052	5.282
1457899	at	Kalrr	BG066934	Mm.401884	16	5.216	5.768	4.846	5.058	4.775	4.978	5.079	4.945	4.985	5.037	5.049	4.606	4.648	5.381	4.769	4.921	5.153	4.998	4.889	4.999	5.014	5.050	4.923	4.984
1457900	at	Asc3	BB501662	Mm.222497	10	6.114	6.701	6.159	6.258	6.079	6.162	5.944	5.655	6.682	6.332	6.603	6.262	6.347	6.476	6.284	6.158	6.326	6.041	5.929	6.066	6.087	6.253	6.096	6.361
1457901	at	D4Ert076e	BB244812	NA	4	8.822	8.580	8.625	8.485	8.627	8.933	8.733	8.391	8.475	8.547	8.677	8.385	8.439	8.461	8.624	8.655	8.312	8.356	8.595	8.599	8.390	8.313	8.774	8.464
1457902	at	NA	BF302215	NA	NA	6.096	6.020	6.601	6.074	5.836	5.813	5.973	6.182	5.855	5.661	6.256	5.893	5.848	6.024	6.182	6.191	6.062	6.103	6.279	6.212	6.193	6.087	5.714	5.966
1457903	at	NA	BB022314	NA	NA	4.790	4.491	4.673	4.749	4.633	4.418	4.697	4.492	4.660	4.496	4.768	4.751	4.558	4.663	4.632	4.587	4.554	4.728	4.701	4.652	4.674	4.785	4.743	4.707
1457904	at	Car8	BB125515	Mm.119320	4	4.622	4.170	5.384	5.087	4.357	5.431	5.475	4.672	4.161	4.342	4.413	4.303	4.552	4.933	4.572	4.563	4.785	4.509	4.618	4.783	4.444	4.643	4.451	4.928
1457905	at	D7Ert059e	C77679	NA	7	6.866	7.539	8.068	7.691	7.568	7.696	7.866	7.783	7.521	7.575	7.781	7.693	7.548	7.723	7.735	7.874	7.492	7.528	7.678	8.024	7.598	7.488	7.952	7.873
1457906	at	Mm.349800	BB010943	NA	8	9.601	9.343	9.041	9.314	9.043	9.148	9.148	9.494	9.318	9.403	9.403	9.318	9.403	9.318	9.403	9.318	9.403	9.318	9.403	9.318	9.403	9.318	9.403	9.318
1457907	at	NA	BE952719	NA	NA	7.896	6.771	6.977	6.941	6.956	6.832	6.885	6.867	7.087	6.801	7.170	6.653	7.067	6.902	6.927	7.049	7.006	6.907	6.837	7.035	6.982	7.425	6.406	7.089
1457908	at	NA	BB355918	NA	NA	6.774	6.987	6.885	6.788	6.776	6.791	6.869	6.878	6.905	7.082	6.811	6.956	6.849	7.030	6.860	6.874	7.039	7.084	6.566	6.826	7.231	7.046	6.879	7.285
1457909	at	Dna2	BG067931	Mm.21492	10	6.138	5.778	6.023	6.192	6.054	6.054	6.242	6.152	6.101	5.964	6.235	6.106	6.068	6.263	6.189	6.001	6.062	5.893	6.028	6.120	6.152	5.978	6.039	5.982
1457910	at	NA	AW552893	NA	NA	5.370	5.361	5.304	5.310	5.535	5.303	5.444	5.208	5.303	5.491	5.488	5.481	5.739	5.383	5.364	5.354	5.059	5.363	5.145	5.389	5.293	5.380	5.241	5.380
1457911	at	A930002I21Rik	BB277142	Mm.133826	3	6.488	5.890	6.146	6.147	5.840	5.988	6.083	6.071	5.709	5.791	6.031	5.764	5.933	5.940	5.971	6.048	6.007	5.991	6.098	6.164	6.131	6.022	6.156	6.056
1457912	at	Ptbp1	BB311406	Mm.265610	10	6.629	6.441	6.577	6.633	6.416	6.353	6.400	6.385	6.457	6.328	6.438	6.427	6.471	6.651	6.647	6.519	6.374	6.312	6.335	6.568	6.540	6.439	6.646	6.249
1457913	at	5730601F06Rik	BB374879	Mm.428682	9	5.933	7.222	7.184	7.441	7.412	7.405	7.307	7.091	7.617	7.664	7.008	7.290	7.867	6.892	7.807	6.834	7.549	7.502	7.549	7.437	7.467	7.529	7.834	7.271
1457914	at	NA	BB19173	NA	NA	7.941	7.666	7.846	7.791	7.936	7.892	7.969	7.923	7.524	7.611	7.808	7.926	7.847	7.395	7.770	7.901	7.947	7.974	7.974	7.974	7.974	7.974	7.974	7.974
1457915	at	4833442I19Rik	AV286816	Mm.274099	6	7.035	7.483	7.009	6.713	7.308	6.985	7.016	7.016	6.797	6.720	6.866	6.559	6.731	6.666	6.899	7.069	7.335	7.136	7.357	7.157	7.152	7.492	7.267	7.169
1457916	at	NA	AU021836	NA	NA	6.282	5.822	6.041	5.923	5.938	5.973	6.009	6.014	5.805	5.846	5.977	5.758	5.976	6.034	6.051	6.022	5.802	5.966	5.984	6.027	5.908	5.967	6.062	5.993
1457917	at	Lck	BM280032	Mm.293753	4	5.105	4.950	5.013	4.892	4.495	5.105	5.166	5.069	5.311	4.916	5.099	4.955	5.146	5.197	5.053	4.825	5.014	4.847	5.270	5.374	5.218	4.853	4.922	5.111
1457918	at	Tnfrp2	BI133472	Mm.255332	12	6.267	6.187	6.356	6.380	6.185	5.987	6.325	6.363	6.247	6.040	6.281	6.269	6.223	6.250	6.072	6.415	6.233	6.247	6.308	6.355	6.289	6.246	6.387	6.240
1457919	at	D030054H15Rik	BA446049	Mm.495050	17	6.941	6.499	7.070	6.942	6.727	6.935	6.848	6.972	6.748	6.188	6.968	6.541	6.770	6.698	6.885	6.798	6.896	6.864	7.002	7.105	6.849	6.790	6.960	7.089
1457920	at	NA	BE980170	NA	NA	6.833	6.144	6.489	6.607	6.385	6.346	6.543	6.805	6.459	6.212	6.697	6.228	6.547	6.341	6.406	6.566	6.382	6.412	6.686	6.308	6.720	6.596	6.591	6.518
1457921	at	1810037C20Rik	BB374879	Mm.428682	5	7.424	7.536	7.552</																					

1457969	at	Rabif	AI482417	Mm.198119	1	6.426	7.105	6.669	6.458	6.246	6.788	6.489	6.619	6.382	6.415	6.619	6.513	6.796	6.311	6.643	6.525	6.319	6.469	6.429	6.678	6.456	6.415	6.470		
1457970	at	Actr1a	W01599	Mm.3118	19	4.037	4.328	3.973	4.280	4.445	4.149	4.234	4.405	4.618	4.458	4.468	4.344	4.125	4.266	4.377	4.175	4.354	4.869	4.564	4.594	4.632	5.107	4.944	4.274	
1457971	at	NA	BM877552	NA	NA	4.624	4.466	4.479	4.585	4.626	4.511	4.478	4.547	4.543	4.507	4.631	4.497	4.589	4.485	4.517	4.559	4.436	4.450	4.596	4.378	4.681	4.412	4.424	4.643	
1457972	at	C87436	AW908355	Mm.333219	6	7.501	7.193	7.519	7.393	7.398	7.387	7.538	7.475	7.456	7.374	7.596	7.276	7.407	7.494	7.358	7.464	7.437	7.523	7.619	7.390	7.529	7.472	7.593	7.510	
1457973	at	NA	BB750203	NA	NA	6.232	6.490	6.478	6.302	6.537	6.523	6.595	7.014	7.126	6.589	7.267	6.588	7.142	6.407	6.557	6.504	6.557	6.504	6.443	6.364	6.583	6.142	6.382		
1457974	at	NA	AU023492	NA	NA	6.789	6.641	6.629	6.798	6.482	6.500	6.600	6.633	6.804	6.597	6.740	6.758	6.630	6.724	6.531	6.653	6.516	6.487	6.548	6.575	6.730	6.748	6.793	6.652	
1457975	at	Gtbp3	AI607903	Mm.142112	8	7.945	7.542	7.833	7.867	7.724	7.836	7.904	7.802	7.726	7.670	7.881	7.696	7.834	7.876	7.690	7.707	7.760	7.722	7.797	7.990	7.875	7.854	7.864	7.920	
1457976	at	20100002M12Rik	AI447935	Mm.440727	19	7.341	6.895	7.260	7.081	7.021	7.215	7.247	7.125	6.822	7.007	6.951	7.057	7.084	7.119	7.074	7.284	7.511	7.207	7.322	7.337	7.322	7.175	7.428	7.345	
1457977	at	23100005O1Rik	AI594274	Mm.291214	4	6.828	6.829	6.615	6.546	6.653	6.388	6.600	6.665	6.985	6.687	6.771	6.988	6.749	6.667	6.668	6.684	6.668	6.657	6.648	6.317	6.694	6.901	6.688	6.639	
1457978	at	NA	BE989426	NA	NA	5.693	5.230	5.627	5.544	5.373	5.489	5.652	5.280	5.368	5.214	5.598	5.228	5.477	5.434	5.379	5.433	5.391	5.493	5.534	5.545	5.459	5.485	5.662	5.832	
1457979	at	NA	BM938335	NA	NA	4.942	4.451	4.809	4.796	4.647	4.768	4.858	4.772	4.770	4.588	4.773	4.434	4.681	4.712	5.055	5.013	4.764	4.812	4.869	4.890	4.622	4.678	4.862	4.708	
1457980	x at	Uck2	BB245119	Mm.280895	1	9.762	9.966	9.514	9.496	9.970	9.322	9.311	10.083	10.311	9.994	10.514	9.895	9.827	10.197	9.996	9.335	9.092	9.416	9.249	9.331	9.342	9.137	9.422	9.567	
1457981	x at	Gins1	AV350371	Mm.271603	2	4.158	4.050	4.077	4.198	4.175	4.100	4.108	4.221	4.096	3.846	3.950	4.150	4.041	3.880	4.138	4.282	4.307	4.111	4.097	3.891	4.167	4.353	4.008	4.182	
1457982	at	1700052M18Rik	AV042646	Mm.297760	11	7.634	7.566	7.737	7.608	7.599	7.841	7.779	7.416	7.638	7.552	7.557	7.559	7.500	7.485	7.698	7.707	7.734	7.653	7.822	7.876	7.572	7.646	7.584	7.802	
1457983	s at	Rwdd4a	AV310898	Mm.273081	8	10.697	10.409	10.681	10.351	10.323	10.568	10.687	10.380	10.040	10.155	10.585	10.314	10.202	10.363	10.404	10.683	10.579	10.815	10.687	10.801	10.502	10.439	10.592	10.595	
1457984	at	Crh	BM933756	Mm.290689	3	3.752	3.849	3.891	4.077	3.961	3.887	3.871	3.906	3.973	3.902	4.216	3.859	3.909	3.908	3.833	3.871	3.801	3.909	3.881	4.058	3.980	3.915	3.901	3.782	
1457985	at	Clnn	BE980727	Mm.244078	12	9.112	8.661	9.066	9.083	8.992	8.962	9.041	9.036	8.934	8.791	9.037	8.766	9.016	8.979	9.038	9.016	8.916	9.046	9.157	9.284	9.160	8.906	9.241	9.185	
1457986	at	NA	BE980442	NA	NA	5.781	5.358	5.778	5.702	5.555	5.736	5.692	5.756	5.778	5.456	5.937	5.605	5.526	5.610	5.676	5.563	5.645	5.531	5.778	5.813	5.746	5.610	5.801	5.762	
1457987	at	6030458C11Rik	BB735711	Mm.207311	15	4.481	4.754	4.658	4.634	4.445	4.451	4.728	4.616	4.670	4.695	4.531	4.543	4.363	4.498	4.829	4.526	4.694	4.745	4.536	4.714	4.415	4.517	4.722	4.637	
1457988	at	NA	BB257743	NA	NA	7.531	7.482	7.157	7.350	7.324	7.539	7.067	7.289	7.577	7.538	7.400	7.330	7.394	7.269	7.479	7.296	7.188	7.233	7.151	7.120	7.323	7.396	7.568	7.431	
1457989	at	Slc4a11	BB498904	Mm.441391	2	7.220	6.922	7.172	7.172	7.070	6.987	7.216	7.060	7.090	7.035	7.309	7.076	6.850	7.053	6.984	7.122	7.202	7.166	7.141	7.156	7.257	7.040	7.148	7.085	
1457990	at	Anks1b	BB080832	Mm.440605	10	4.829	4.636	4.894	4.787	4.591	4.727	4.651	4.595	4.838	4.714	4.742	4.721	4.494	4.803	4.654	4.919	4.915	4.691	4.815	4.647	4.913	4.684	4.693	4.846	
1457991	at	NA	BB052061	NA	NA	6.032	5.865	5.975	5.851	5.854	5.852	6.105	6.128	5.416	5.704	5.546	5.973	5.935	5.452	5.918	5.939	5.865	6.044	6.270	5.953	5.742	6.302	5.869	5.603	
1457992	at	NA	BE989087	NA	NA	5.702	5.487	5.589	5.788	5.593	5.614	5.819	5.790	5.771	5.369	5.635	5.624	5.764	5.622	5.732	5.578	5.578	5.662	5.613	5.657	5.684	5.876	5.526	5.541	
1457993	at	NA	BB185118	NA	NA	6.117	5.725	5.981	5.904	5.940	5.777	5.915	5.920	5.825	5.542	5.617	5.928	5.775	5.828	5.743	5.769	5.950	5.967	5.825	5.867	6.070	5.999	5.617	5.923	5.970
1457994	at	4930563J15Rik	AV274143	Mm.72938	10	4.726	4.283	4.583	4.622	4.593	4.582	4.609	4.606	4.624	4.580	4.726	4.410	4.549	4.599	4.441	4.614	4.570	4.519	4.705	4.462	4.530	4.412	4.796	4.363	
1457995	at	NA	BB217955	NA	NA	4.927	4.770	4.901	4.712	4.698	4.690	4.699	4.606	4.590	4.590	4.627	4.675	4.587	4.599	4.587	4.590	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	
1457996	at	NA	BB471687	NA	NA	6.452	6.000	6.422	6.514	6.332	6.422	6.514	6.332	6.422	6.514	6.332	6.422	6.514	6.332	6.422	6.514	6.332	6.422	6.514	6.332	6.422	6.514	6.332	6.422	
1457997	at	Mboat7	BB186022	Mm.397541	7	6.714	6.713	6.584	6.574	6.666	6.579	6.578	6.845	6.845	6.708	6.964	6.678	6.752	7.089	6.749	6.528	6.528	6.298	6.653	6.617	6.442	6.339	6.743	6.478	
1457998	at	NA	AV280394	NA	NA	4.995	4.683	5.140	5.095	4.947	5.013	5.070	5.202	5.189	5.053	5.209	4.709	4.938	5.114	5.016	5.149	5.071	5.053	5.149	5.190	5.193	5.024	5.078	5.123	
1457999	at	24100005O16Rik	AI449062	Mm.440686	4	8.116	8.167	8.443	8.484	8.445	8.475	8.302	8.193	8.442	8.523	8.023	8.338	8.460	8.300	8.447	8.326	8.290	8.303	8.525	8.444	8.494	8.415	8.414	8.443	
1458000	at	Dsq1a	BB151286	Mm.37953	18	3.999	4.046	4.108	3.955	3.905	4.082	4.247	4.051	4.072	3.908	4.100	4.167	4.376	4.081	4.040	3.998	4.104	4.342	4.225	4.076	4.043	4.094	4.040	4.111	
1458001	at	NA	BG071775	NA	NA	4.053	4.019	4.163	3.983	4.059	4.009	4.148	4.192	3.913	3.881	4.098	4.019	3.998	3.978	3.997	4.054	3.981	4.136	4.122	4.068	4.310	3.888	4.233	4.113	
1458002	at	NA	BB337911	NA	NA	5.360	4.926	5.000	5.151	5.070	4.893	5.156	5.147	4.980	5.028	5.078	5.133	4.863	5.124	4.847	4.854	5.389	5.316	5.078	5.185	4.984	4.973	5.211	5.107	
1458003	at	Bbm398	BB504342	Mm.169059	6	7.641	7.656	7.919	7.672	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	7.649	
1458004	at	Prrx1	BB171061	Mm.288642	1	5.618	5.057	5.604	5.424	5.347	5.439	5.374	5.467	5.129	5.114	5.474	5.090	5.028	5.311	5.356	5.350	5.457	5.452	5.387	5.432	5.305	5.124	5.261	5.613	
1458005	at	NA	BG071979	NA	NA	6.710	6.515	6.596	6.745	6.484	6.495	6.500	6.453	6.623	6.457	6.653	6.339	6.474	6.536	6.374	6.591	6.579	6.372	6.527	6.639	6.589	6.635	6.656	6.584	
1458006	at	NA	BB549552	NA	NA	7.525	6.833	7.753	7.176	7.381	7.582	7.364	7.462	7.216	7.423	7.610	7.206	7.368	7.359	7.475	7.736	7.582	7.677	7.485	7.782	7.356	7.300	7.619	7.733	
1458007	at	C80142	BG066725	Mm.3390	1	5.100	5.275	5.069	5.082	5.010	5.056	4.778	5.226	4.749	5.087	4.883	5.453	5.397	4.889	5.246	5.118	5.028	4.895	4.651	4.900	5.076	5.299	5.001	4.859	
1458008	at	NA	BB311627	NA	NA	6.715	6.383	6.526	6.560	6.666	6.342	6.374	6.480	6.365	6.334	6.391	6.346	6.504	6.377	6.450	6.478	6.388	6.279	6.465	6.656	6.590	6.562	6.689	6.786	
1458009	at	NA	BG069462	NA	NA	3.845	3.721	3.791	3.820	3.823	3.762	3.736	3.833	3.752	3.741	3.780	3.751	3.705	3.620	3.777	3.838	3.769	3.834	3.829	4.021	3.788	3.820	3.951	3.789	
1458010	at	NA	BB024974	NA	NA	4.047	4.																							

1458058	at	7030407E18Rik	AV352368	NA	11	6.531	6.053	6.343	6.330	6.274	6.246	6.409	6.320	6.133	6.267	5.885	6.459	6.298	6.153	6.445	6.293	6.390	6.492	6.443	6.499	6.210	6.657	6.325	6.366	
1458059	at	NoI7	BG075149	Mm.439927	13	6.771	6.399	6.550	6.570	6.592	6.650	6.531	6.526	6.436	6.519	6.704	6.447	6.685	6.459	6.596	6.653	6.552	6.461	6.346	6.734	6.490	6.628	6.586	6.616	
1458060	at	Ldlrap1	BB794855	Mm.475888	4	7.269	7.245	7.292	7.452	7.369	7.259	7.278	7.673	7.262	7.259	7.274	8.132	7.489	7.889	7.374	7.475	7.315	7.423	7.446	7.303	7.426	7.268	7.323	7.192	
1458061	at	LOC402769	BB366510	Mm.449847	4	4.812	4.761	4.646	4.779	4.607	4.551	4.835	4.793	4.815	4.756	4.280	4.816	4.851	4.753	4.790	4.937	4.830	4.885	4.745	5.016	4.645	4.562	4.793	4.771	
1458062	at	BG069658	NA	NA	NA	5.073	4.843	4.971	4.741	4.904	4.800	5.042	4.725	4.853	4.745	5.015	4.855	5.028	5.002	4.781	4.748	4.863	4.815	4.951	5.058	5.175	5.106	4.965	4.815	
1458063	at	4930518F22Rik	BB041617	Mm.196269	8	4.090	4.176	4.229	4.250	4.176	4.133	4.210	4.351	4.182	4.244	4.181	4.222	4.169	4.294	4.293	4.252	4.344	4.289	4.264	4.289	4.362	4.250	4.201	4.183	
1458064	at	NA	BG067249	NA	NA	4.240	4.209	4.205	4.491	4.163	4.416	4.236	4.194	4.249	4.246	4.232	4.165	4.354	4.391	4.196	4.498	4.036	4.081	4.294	4.247	4.226	4.166	4.323	4.203	
1458065	at	NA	BM239481	NA	NA	7.779	7.557	7.764	7.911	7.975	7.814	7.857	7.692	7.586	7.753	7.594	7.762	7.888	7.757	7.858	7.940	7.757	7.983	7.881	7.933	7.840	7.913	7.882	7.904	
1458066	at	NA	BG068720	NA	NA	5.599	5.336	5.777	5.610	5.523	5.341	5.819	5.645	5.545	5.572	5.641	5.478	5.544	5.697	5.709	5.583	5.757	5.595	5.943	5.866	5.692	5.560	5.541	5.702	
1458067	at	A430041B07Rik	BG066116	Mm.138465	12	4.476	4.555	4.807	4.597	4.272	4.719	4.620	4.560	4.410	4.556	4.521	4.459	4.436	4.516	4.515	4.610	4.306	4.504	4.360	4.786	4.417	4.348	4.616	4.665	
1458068	at	NA	BB374785	NA	NA	6.632	6.588	6.572	6.700	6.585	6.721	6.640	6.468	6.512	6.356	6.538	6.538	6.279	6.388	6.401	6.623	6.705	6.605	6.687	6.708	6.772	6.611	6.746	6.683	
1458069	at	NA	BM240056	NA	NA	7.420	7.141	7.485	7.118	7.196	7.596	7.267	6.770	7.171	7.178	6.915	7.100	7.258	7.240	7.166	7.334	6.880	6.835	6.981	6.956	6.963	7.194	7.387	7.390	
1458070	at	Vtn1	BB551556	Mm.137467	3	4.824	4.898	4.826	4.907	4.945	4.849	4.901	4.974	4.942	4.890	4.884	4.932	4.888	4.864	4.948	4.714	5.030	4.808	4.857	4.824	4.951	5.030	4.951	4.609	
1458071	at	NA	BB334974	NA	NA	6.731	6.658	6.691	6.675	6.737	6.751	6.654	6.668	6.634	6.579	6.951	6.661	6.603	6.680	6.877	6.706	6.711	6.547	6.592	6.910	6.640	6.478	6.724	6.716	
1458072	at	NA	BB463650	NA	NA	4.411	4.338	4.292	4.143	4.122	4.131	4.225	4.157	4.142	4.159	4.221	4.083	4.165	4.215	4.248	4.318	4.152	4.457	4.352	4.387	4.300	4.323	4.133	4.135	
1458073	at	9330156P08Rik	BB667755	Mm.446268	1	7.386	7.244	7.341	7.144	7.253	7.225	7.344	7.223	7.385	7.346	7.289	7.277	7.633	7.258	7.318	7.463	7.446	7.364	7.224	7.424	7.448	7.506	7.319	7.325	
1458074	at	NA	BB179240	NA	NA	7.469	6.956	7.315	7.325	7.142	7.300	7.446	7.372	7.327	7.038	7.193	7.325	7.157	7.228	7.207	7.280	7.530	7.069	7.369	7.462	7.443	7.064	7.296	7.283	
1458075	at	NA	BB350401	NA	NA	8.272	8.076	8.090	7.939	8.182	8.333	8.258	7.524	8.066	8.232	8.807	8.155	8.136	8.068	8.292	8.242	8.018	8.040	8.075	8.064	7.944	7.557	8.291	8.683	
1458076	at	NA	AV322844	NA	NA	5.710	5.877	5.971	5.568	5.750	5.974	5.738	5.685	5.645	5.733	6.052	5.504	5.562	5.824	5.800	5.703	5.753	5.817	5.725	5.923	5.980	5.653	5.740	5.743	
1458077	at	NA	BB525358	NA	NA	6.714	6.543	7.049	6.678	6.735	6.893	6.793	6.718	6.477	6.800	6.263	6.767	6.593	6.565	6.945	6.917	6.732	6.830	6.881	6.861	6.588	6.686	6.730	6.723	
1458078	at	Chd9	BB219858	Mm.100615	8	7.118	7.164	7.214	7.248	7.332	7.397	7.203	7.080	7.250	7.292	6.975	7.241	7.183	7.219	7.056	7.212	7.223	7.187	7.202	7.214	7.207	7.212	7.444	7.390	
1458079	at	Usp40	B0208887	Mm.80484	1	7.708	7.705	7.890	7.526	7.585	7.927	7.656	7.505	7.667	7.493	7.490	7.598	7.528	7.684	7.645	7.668	7.719	7.699	7.569	7.639	7.548	7.584	7.853	7.520	
1458080	at	Setx	BB282404	Mm.41867	2	4.287	4.334	4.487	4.417	4.068	4.128	4.498	4.190	4.245	4.069	4.298	4.349	4.055	4.257	4.261	4.390	4.473	4.270	4.207	4.381	4.300	3.936	4.313	4.427	
1458081	at	NA	BB477614	NA	NA	8.620	6.601	8.496	8.624	7.895	8.735	8.656	8.325	6.749	6.781	6.721	8.489	7.642	7.187	8.208	8.474	9.969	9.295	8.715	8.936	9.656	9.875	9.204	8.885	
1458082	at	NA	BB220405	NA	NA	7.017	6.908	7.521	7.824	7.358	7.768	7.322	7.297	7.741	7.839	7.464	8.054	7.509	7.017	7.766	7.421	7.399	7.485	7.287	7.446	7.548	7.459	7.701	7.259	
1458083	at	NA	BG083602	NA	NA	4.391	4.637	4.227	4.096	4.416	4.215	4.229	4.226	4.435	4.490	4.236	4.380	4.118	4.300	4.253	4.235	4.179	4.153	4.233	3.974	4.254	4.472	4.338	4.161	
1458084	at	Zdhnc17	BM261557	Mm.339281	10	8.994	8.267	8.277	8.277	8.184	8.272	8.127	8.212	8.156	8.276	8.212	8.156	8.276	8.212	8.156	8.276	8.212	8.156	8.276	8.212	8.156	8.276	8.212	8.156	
1458085	at	Ubxn11	B0174121	Mm.282029	4	6.444	6.377	6.423	6.374	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	6.351	
1458086	at	4732477D19Rik	BB316232	Mm.376151	13	6.415	5.689	6.048	6.217	5.974	6.017	6.101	6.019	5.995	5.765	6.141	5.821	5.985	6.019	5.966	6.079	6.097	5.919	5.929	5.894	5.993	5.949	6.078	6.250	
1458087	at	Stac3	BB135364	Mm.32087	10	6.142	5.674	5.769	5.820	5.583	5.803	5.914	5.917	5.679	5.593	6.001	5.629	5.747	5.861	5.846	5.836	5.871	5.760	5.784	5.867	5.968	5.732	5.911	5.965	
1458088	at	NA	BB153601	NA	NA	6.375	6.211	6.385	6.296	6.338	6.439	6.234	6.322	6.283	6.140	6.401	6.008	6.218	6.268	6.300	6.306	6.335	6.370	6.297	6.441	6.317	6.097	6.305	6.441	
1458089	at	NA	BB161337	NA	NA	8.405	7.866	7.408	7.200	8.952	7.607	6.871	6.443	6.538	6.561	6.886	6.359	6.805	6.380	6.121	7.386	6.496	6.502	6.593	6.981	6.593	6.913	8.131	8.388	
1458090	at	4930504E06Rik	BB136790	Mm.279287	3	5.838	5.691	5.759	5.750	5.530	5.592	5.857	5.673	5.755	5.563	5.787	5.683	5.692	5.751	5.669	5.681	5.758	5.648	5.712	5.862	5.761	5.791	5.824	5.899	
1458091	at	NA	BB083532	NA	NA	4.229	3.940	3.988	3.998	4.022	4.021	3.857	4.090	3.879	3.719	3.889	3.870	3.998	4.094	3.806	4.049	4.037	4.234	3.975	3.954	3.970	3.985	3.876	4.155	
1458092	at	NA	BB124535	NA	NA	7.396	7.388	7.423	7.274	7.235	7.202	7.315	7.395	7.407	7.539	7.333	7.267	7.323	7.285	7.232	7.417	7.387	7.291	7.417	7.387	7.291	7.417	7.387	7.291	
1458093	at	NA	BB132997	NA	NA	5.048	4.695	4.842	4.904	4.745	4.764	4.613	4.858	4.687	4.725	4.735	4.706	4.710	4.769	4.671	4.639	4.834	4.765	4.850	4.865	4.759	4.749	4.748	4.730	
1458094	at	NA	AV362907	NA	NA	7.375	6.954	7.193	7.257	7.242	7.192	7.436	7.211	7.226	7.184	7.330	7.049	7.170	7.151	7.161	7.150	7.172	7.379	7.070	7.444	7.265	7.412	7.422	7.422	
1458095	at	NA	BB524966	NA	NA	7.148	6.702	6.879	6.901	6.926	6.866	7.077	6.807	6.777	6.769	6.873	6.621	6.794	6.868	6.857	7.025	6.892	6.903	6.769	7.056	6.906	6.848	6.645	6.873	
1458096	at	NA	BB475930	NA	NA	6.434	6.215	6.436	6.376	6.349	6.354	6.392	6.278	6.428	6.544	6.293	6.409	6.644	6.528	6.409	6.383	6.378	6.334	6.466	6.391	6.236	6.207	6.484	6.419	
1458097	at	Cobl1	BB521302	Mm.34159	2	8.780	8.137	8.654	8.577	8.499	8.536	8.801	7.812	7.804	7.839	7.917	7.951	7.915	8.003	8.151	8.779	8.424	8.528	8.628	8.403	8.702	8.602	8.605	9.001	8.788
1458098	at	NA	BB279619	NA	NA	7.028	6.734	6.821	6.876	6.865	6.859	6.909	7.080	6.867	6.710	7.960	6.747	6.828	6.856	6.936	6.880	7.023	6.959	6.856	7.059	6.971	6.827	6.971	6.827	
1458099	at	NA	BB281438	NA	NA	6.149	6.182	6.508	6.616	6.581	6.616	6.616	6.581																	

1458147	at	NlrC	BB465982	NA	NA	5.065	4.796	5.054	4.929	4.965	5.051	5.212	4.662	4.841	4.813	5.012	4.740	4.958	4.902	4.884	4.941	5.005	4.930	5.148	5.120	4.917	4.759	5.061	5.183	
1458148	at	NlrC	BB466171	MM.215994	16	5.366	7.156	5.527	5.120	7.133	5.219	5.567	7.715	7.406	7.244	6.613	7.405	7.008	6.650	6.784	5.543	5.034	5.529	5.210	5.080	5.373	5.660	5.249	5.314	
1458149	at	Ambra1	AV353171	NA	NA	6.837	6.678	6.971	6.968	7.162	6.884	6.716	6.465	6.596	6.596	6.293	6.543	6.672	6.649	6.627	6.669	6.759	6.660	6.526	6.609	6.576	6.598	6.928	6.949	
1458150	at	Ambr1	BB445665	MM.436667	2	6.287	6.589	6.203	6.157	6.278	6.415	6.603	6.198	6.596	6.339	6.504	6.375	6.372	6.361	6.189	6.331	6.054	6.351	6.364	5.985	6.265	6.089	6.592	6.277	
1458151	at	4833444G19Rik	AV253033	NA	NA	5.179	5.160	5.092	5.042	5.097	5.074	5.026	5.190	5.172	5.231	5.227	5.124	5.234	5.156	5.034	5.084	5.018	5.087	4.876	4.996	4.818	4.906	4.931	4.933	
1458152	at	Erfidh	AV239508	MM.28336	3	5.477	5.481	5.515	5.347	5.026	5.514	5.672	5.019	4.649	4.807	5.030	4.762	4.533	4.920	5.313	5.540	5.387	5.557	5.471	5.717	5.137	5.377	5.509	5.657	
1458153	at	NA	BB023692	NA	NA	6.696	6.702	6.910	6.876	6.749	6.924	6.776	6.556	6.680	6.616	6.793	6.647	6.722	6.702	6.661	6.736	6.695	6.832	6.839	6.960	6.717	6.773	6.929	6.717	
1458154	at	NA	BM068589	NA	NA	4.210	4.340	4.273	4.194	4.069	4.252	4.351	4.200	4.271	4.184	4.378	4.153	4.221	4.292	4.149	4.357	4.321	4.393	4.533	4.351	4.387	4.140	4.220	4.265	
1458155	at	NA	BM933224	NA	NA	5.500	5.122	5.649	5.358	5.545	5.430	5.509	5.240	5.277	5.429	5.801	5.313	5.563	5.309	5.108	5.667	5.542	5.453	5.690	5.674	5.392	5.309	5.405	5.694	
1458156	at	E230012J19Rik	BB548850	MM.448272	4	7.712	7.541	7.768	7.690	7.625	7.554	7.549	7.608	7.434	7.573	7.606	7.652	7.745	7.671	7.560	7.581	7.664	7.731	7.758	7.824	7.578	7.735	7.786	7.557	
1458157	at	Nek8	BB103193	MM.23788	11	4.716	4.485	4.565	4.638	4.789	4.579	4.638	4.651	4.549	4.701	4.463	4.475	4.680	4.552	4.697	4.568	4.647	4.588	4.675	4.747	4.639	4.490	4.844	4.709	
1458158	at	Wdr67	BB475553	MM.390835	15	8.286	7.937	8.079	8.203	8.168	8.183	8.243	8.288	8.097	8.032	8.198	8.055	8.131	8.210	8.086	8.147	8.069	8.110	8.139	8.187	8.114	8.130	8.122	8.189	
1458159	at	NA	BB486509	NA	NA	6.267	6.626	6.335	6.398	6.690	6.249	6.354	6.189	6.006	6.931	6.445	6.514	6.454	6.578	6.622	6.308	6.162	6.329	6.394	6.309	6.693	6.234	6.512	6.130	
1458160	at	NA	AV278231	NA	NA	5.248	4.986	5.039	5.163	4.906	5.029	4.664	5.239	4.835	4.989	5.119	4.692	5.141	4.906	5.114	5.107	4.987	4.920	4.997	5.140	4.883	5.029	5.116	5.222	
1458161	at	Kcnq1ot1	BM248551	MM.356096	7	7.811	8.022	7.887	7.918	8.112	8.025	7.709	8.212	8.168	7.969	8.242	8.205	8.149	7.987	8.042	8.019	8.145	8.028	7.753	8.057	8.146	8.390	8.272	8.067	
1458162	at	NA	BB430665	NA	NA	7.844	7.381	7.982	7.744	7.769	7.609	7.765	7.815	7.732	7.780	7.792	7.578	7.772	7.847	7.737	7.737	7.764	7.693	7.756	7.769	7.822	7.610	7.782	7.900	
1458163	at	BC066028	AV328953	MM.359154	7	5.035	5.089	5.141	5.037	4.896	5.053	5.075	5.041	5.162	5.174	5.136	5.014	5.084	5.175	5.264	5.040	5.172	5.250	5.035	5.064	4.748	5.032	5.218	5.094	
1458164	at	LOC552913	BB128089	MM.216846	NA	7.011	6.553	7.245	7.003	6.992	7.022	7.054	6.949	6.750	6.896	7.154	6.912	6.979	6.956	7.085	7.216	7.031	6.976	7.233	7.478	7.063	6.873	7.210	7.323	
1458165	at	Ipo7	BB009636	MM.222328	7	5.573	5.598	5.608	5.455	5.370	5.694	5.563	5.539	5.414	5.215	5.689	5.479	5.492	5.434	5.527	5.544	5.496	5.481	5.368	5.570	5.632	5.322	5.702	5.632	
1458166	at	NA	BB224578	NA	NA	7.073	6.941	7.281	7.189	7.261	7.306	7.284	7.197	7.282	7.254	7.387	7.329	7.483	7.253	7.391	7.369	7.206	7.128	7.383	7.392	7.476	7.358	7.383	7.363	
1458167	at	NA	AV341003	NA	NA	6.820	6.053	6.807	6.905	6.617	6.851	7.215	6.578	5.939	5.890	5.700	6.107	5.813	6.071	6.068	6.508	7.241	6.836	6.692	7.003	6.207	6.491	6.356	6.242	
1458168	at	ENSMUSG000000	AV356799	MM.23067	3	3.974	3.931	3.995	4.035	4.206	3.911	4.075	4.157	4.119	4.137	3.988	4.230	4.291	4.109	4.010	4.017	3.935	4.025	4.142	3.971	4.091	4.149	3.938	4.019	
1458169	at	668482	BG071174	MM.410579	14	7.196	6.757	7.023	7.154	6.921	6.793	7.020	6.931	6.847	6.768	6.848	7.017	7.107	7.004	6.978	6.894	7.064	6.993	7.066	7.169	7.073	7.036	7.179	7.174	
1458170	at	NA	AV271276	NA	NA	5.201	5.121	5.208	5.243	5.113	5.190	5.215	5.297	5.291	5.108	5.227	5.045	5.172	5.318	5.125	5.109	5.182	5.128	5.133	5.060	5.179	5.171	5.277	5.201	
1458171	at	Sloc2b1	AV237157	MM.11249	7	7.000	6.556	6.801	6.727	6.792	6.716	6.816	6.866	6.770	6.703	6.717	6.443	6.850	6.654	6.825	6.850	6.886	6.767	6.811	6.911	6.832	6.765	6.967	6.881	
1458172	at	Me2	BB200674	MM.36817	18	6.255	6.324	6.234	6.354	6.247	6.138	5.960	6.411	6.307	6.152	6.242	6.158	6.264	6.528	6.168	6.330	6.166	6.074	6.459	6.449	6.006	6.186	6.057	6.168	
1458173	at	NA	BT6261	NA	NA	4.637	4.269	4.544	4.506	4.444	4.513	4.500	4.430	4.356	4.435	4.425	4.412	4.325	4.425	4.427	4.458	4.445	4.351	4.454	4.445	4.504	4.414	4.522	4.434	
1458174	at	Cdc5c2	MM.24035	16	5.082	4.918	5.023	4.169	4.949	4.744	4.907	4.930	4.714	4.892	4.414	4.892	4.414	4.894	4.904	4.802	4.955	4.690	4.915	4.915	4.907	4.801	4.799	4.975	5.013	
1458175	at	Spon2	BB007686	MM.34694	5	6.916	6.526	6.428	6.831	6.584	6.723	6.708	6.745	6.782	6.639	6.338	6.551	6.738	6.656	6.775	6.678	6.896	6.773	6.732	6.655	6.909	6.712	6.929	6.532	
1458176	at	Per3	BB021263	MM.121361	4	7.849	7.910	8.035	8.239	8.655	8.706	8.258	8.515	8.142	8.138	7.538	8.226	8.838	8.367	8.642	7.929	8.321	8.901	8.399	8.931	8.899	9.141	8.644	8.138	
1458177	at	Ebp1	BB048420	MM.22758	14	6.883	6.706	6.952	6.992	6.734	6.921	6.971	6.947	6.924	6.831	6.967	6.668	6.835	6.986	7.015	6.975	6.958	7.126	6.965	7.185	6.932	6.738	6.862	7.019	
1458178	at	NA	BG074686	NA	NA	5.512	5.203	5.559	5.536	5.329	5.530	5.330	5.529	5.551	5.474	5.520	5.400	5.472	5.458	5.509	5.285	5.355	5.385	5.452	5.534	5.677	5.236	5.432	5.386	
1458179	at	NA	BB526903	NA	NA	7.578	7.875	7.623	7.605	7.743	7.599	7.611	7.597	7.814	7.987	7.962	7.547	7.508	7.348	7.663	7.601	7.904	7.347	7.509	7.343	7.507	7.851	7.807	7.318	
1458180	at	NA	AV324524	NA	NA	8.373	8.063	8.405	8.446	8.533	8.540	8.145	8.398	8.341	8.386	8.232	8.544	8.441	8.174	8.433	8.319	8.462	8.689	8.441	8.562	8.226	8.290	8.556	8.273	
1458181	at	9030624J02Rik	BB454126	MM.213298	7	7.179	5.446	5.056	7.190	5.075	5.058	7.138	5.653	5.822	7.155	5.582	5.920	7.458	5.583	5.335	7.152	5.537	5.928	5.528	5.928	5.092	6.036	5.969	5.939	
1458182	at	Rbm18	BB130668	MM.205937	2	8.353	8.233	8.585	8.250	8.332	8.653	8.383	8.160	8.030	8.122	8.409	8.108	8.185	8.139	8.256	8.542	8.332	8.424	8.305	8.565	8.344	8.340	8.496	8.599	
1458183	at	Zth101	BB416825	MM.255825	15	4.824	4.423	4.811	4.606	4.633	4.826	4.909	4.706	4.610	4.443	4.607	4.810	4.448	4.466	4.677	4.665	4.403	4.836	4.407	4.701	4.803	4.467	4.477	4.668	
1458184	at	R203002J04Rik	BB481509	MM.446637	2	3.704	3.623	3.954	3.791	3.665	3.886	3.794	3.759	3.777	3.724	3.970	3.739	3.823	3.757	3.887	4.033	3.869	3.858	3.855	3.946	3.583	3.735	3.719	3.847	
1458185	at	Thap4	BB526140	MM.272356	1	6.362	6.310	6.360	6.187	6.300	6.243	6.157	6.314	6.294	6.313	6.162	6.565	6.371	6.250	6.309	6.142	6.573	6.527	6.320	6.286	6.311	6.307	6.411	6.405	
1458186	at	NA	AV548864	NA	NA	6.306	6.346	6.241	6.414	6.264	6.341	6.369	6.422	6.025	6.213	6.206	6.564	6.428	6.283	5.984	6.414	6.202	6.170	6.164	6.053	6.284	6.245	6.286	6.202	
1458187	at	Zfp142	AV244432	MM.207298	1	6.624	6.527	6.514	6.603	6.661	6.473	6.484	6.797	6.785	6.364	6.496	6.784	6.694	6.634	6.576	6.599	6.649	6.649	6.704	6.764	6.511	6.983	6.762	6.734	6.723
1458188	at	NA	BB528751	MM.256614	5	5.89																								

1458236	at	NA	BB655771	NA	NA	7.247	7.197	7.213	7.061	7.157	7.261	7.217	7.044	8.059		7.058	7.274	7.512	7.593	7.237	7.172	7.081	6.992	7.240	7.362	7.068	7.023	7.011	7.030
1458237	at	NA	BG071126	NA	NA	4.469	4.199	4.700	4.479	4.562	4.576	4.552	4.502	4.413	4.373	4.902	4.356	4.389	4.566	4.560	4.750	4.716	4.518	4.450	4.817	4.552	4.364	4.533	4.524
1458238	at	Arid5b	BB257077	Mm.440357	10	5.937	6.277	5.898	5.951	6.018	6.152	6.015	5.961	6.599	6.387	6.591	6.513	6.228	6.508	6.358	5.962	6.458	5.946	6.040	6.021	5.935	6.307	5.893	5.861
1458239	at	NA	AV260100	NA	NA	6.718	6.384	6.669	6.800	6.837	6.687	6.837	6.731	6.508	6.517	6.660	6.532	6.582	6.611	6.592	6.745	6.816	6.625	6.647	6.706	6.716	6.693	6.885	6.609
1458240	at	Mae1l	AV326943	Mm.217126	6	5.853	5.377	6.028	5.318	5.286	5.648	5.539	5.986	6.154	6.040	5.950	6.031	6.586	6.071	5.889	6.001	6.190	5.736	6.396	5.817	5.948	6.445	6.221	6.155
1458241	at	NA	BM055681	NA	NA	8.298	8.045	8.343	8.267	8.133	8.149	8.369	8.246	8.195	7.980	8.231	7.975	8.201	8.126	8.343	8.270	7.101	8.263	8.266	8.343	8.193	8.204	8.288	8.440
1458242	at	NA	BB227956	NA	NA	3.905	4.078	4.288	4.220	4.152	4.175	4.140	4.249	4.044	4.207	4.276	4.137	4.232	4.331	4.176	4.025	4.282	4.174	4.185	4.204	4.036	4.168	4.075	4.075
1458243	at	EG665897	AW553423	Mm.414657	13	4.299	4.131	4.438	4.405	4.263	4.547	4.468	4.297	4.320	4.280	4.634	4.043	4.400	4.270	4.351	4.714	4.279	4.486	4.585	4.947	4.482	4.197	4.440	4.414
1458244	at	Tmco5	BB306677	Mm.131623	2	5.782	5.406	5.486	5.656	5.597	5.654	5.556	5.648	5.621	5.513	5.754	5.491	5.693	5.521	5.554	5.636	5.558	5.354	5.571	5.688	5.786	5.447	5.680	5.572
1458245	at	OTTMUSG000000	BM198146	Mm.366418	4	5.895	5.665	5.901	6.116	6.051	5.872	5.955	5.870	6.120	5.954	6.108	5.993	5.990	5.886	5.951	6.016	6.328	6.323	6.297	6.388	6.479	6.494	6.319	5.931
1458246	at	NA	BM934733	NA	NA	5.562	5.427	5.172	5.667	5.355	5.349	5.326	5.265	5.430	5.473	5.451	5.347	5.483	5.479	5.325	5.382	5.528	5.448	5.237	6.384	5.299	5.349	5.495	5.475
1458247	s at	Dctn5	C78178	Mm.475884	7	8.301	9.089	8.284	8.768	8.207	8.309	8.620	8.342	8.701	8.398	8.129	9.083	8.398	8.480	8.695	8.182	8.342	8.843	8.534	8.545	8.918	8.580	8.588	8.865
1458248	at	NA	B2220002	NA	NA	7.834	7.477	7.457	7.643	7.723	7.484	7.706	7.682	7.566	7.440	7.339	7.368	7.689	7.433	7.573	7.652	7.966	7.875	7.681	7.710	7.739	7.597	7.550	7.507
1458249	at	NA	BB771227	NA	NA	5.685	5.180	5.583	5.512	5.759	5.747	5.334	5.863	4.984	5.180	5.406	5.842	5.777	5.290	5.476	5.706	6.793	6.269	5.799	5.940	6.234	6.445	5.440	5.855
1458250	at	1200015N20Rik	BB189202	Mm.19825	10	5.195	5.054	5.277	5.040	5.177	5.129	5.066	5.096	5.194	5.524	4.822	5.501	5.279	5.140	5.245	5.188	5.286	5.131	4.976	5.211	5.102	5.304	4.862	5.160
1458251	at	AU022166	AU022067	NA	6	3.839	3.846	3.960	4.008	3.963	3.965	3.795	3.957	3.994	4.072	4.142	4.249	4.171	3.977	3.894	4.024	4.034	3.963	4.091	3.986	3.935	4.131	4.401	3.887
1458252	at	NA	BB713391	NA	NA	6.142	5.895	5.782	6.169	6.153	5.911	6.054	6.029	5.895	5.943	6.032	5.964	5.938	5.911	6.103	6.236	5.970	5.998	5.981	5.981	6.092	5.917	6.072	5.867
1458253	at	NA	BB283369	NA	NA	6.076	5.912	5.974	6.141	6.127	6.012	6.325	6.064	6.132	5.931	6.276	6.051	6.086	6.063	6.035	6.183	6.008	6.126	6.179	6.371	6.149	6.127	6.315	6.081
1458254	at	D330027H18Rik	AI854742	Mm.22818	6	9.113	8.834	9.043	9.073	8.851	8.903	8.983	9.234	8.932	8.897	9.076	8.781	8.784	8.972	8.845	9.042	9.056	9.025	8.972	9.018	9.154	9.067	9.014	8.917
1458255	at	NA	BE650621	NA	NA	5.223	4.986	5.278	5.462	5.304	5.430	5.368	5.309	5.182	5.036	5.516	5.342	5.116	5.266	5.210	5.481	5.246	5.295	5.422	5.311	5.554	5.293	5.420	5.435
1458256	at	Isv1	AI647966	Mm.241546	6	6.840	6.499	6.810	6.769	6.619	6.804	6.779	6.658	6.483	6.638	6.931	6.480	6.790	6.682	6.699	6.759	6.656	6.830	6.805	6.857	6.657	6.695	6.858	6.873
1458257	at	NA	BM196689	NA	NA	5.430	5.562	5.633	5.536	5.593	5.619	5.458	5.585	5.530	5.938	5.535	5.609	5.503	5.525	5.692	5.719	5.766	5.864	5.493	5.724	5.524	5.978	5.759	5.638
1458258	at	NA	AU043103	NA	NA	4.510	4.492	4.405	4.447	4.187	4.503	4.626	4.247	4.345	4.208	4.186	4.190	4.426	4.373	4.464	4.498	4.401	4.139	4.457	4.302	4.256	4.420	4.396	4.360
1458259	x at	Coos3	BB283617	Mm.40	11	3.618	3.764	3.784	3.741	3.714	3.661	3.703	3.571	3.654	3.790	3.688	3.507	3.669	3.687	3.534	3.748	3.769	3.650	3.582	3.737	3.641	3.650	3.579	3.648
1458260	at	NA	BB283635	NA	NA	7.148	6.547	7.136	7.015	7.025	6.889	7.026	6.797	6.894	6.696	6.856	6.734	6.698	6.691	6.957	7.014	6.848	7.019	7.011	6.963	7.128	6.721	6.890	7.050
1458261	at	NA	BB701997	NA	NA	5.732	5.766	5.790	6.005	5.831	5.688	5.870	5.484	5.785	5.755	5.755	5.721	5.692	5.668	5.878	5.905	5.800	5.698	5.650	5.552	5.813	5.524	5.759	5.618
1458262	at	NA	BB009927	NA	NA	4.202	4.208	4.208	4.271	4.231	4.234	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144	4.392	4.144
1458263	at	NA	BE979584	NA	NA	7.860	7.915	8.202	7.995	7.995	7.622	8.071	8.317	7.807	8.272	7.69	8.181	8.387	7.807	7.922	7.686	8.008	7.585	8.355	7.329	8.165	7.329	8.165	7.329
1458264	at	AW046200	AW046200	Mm.393851	8	4.044	4.183	4.289	4.235	4.053	4.116	4.122	4.263	4.205	4.164	4.472	4.097	4.163	4.090	4.207	4.199	4.221	4.378	4.214	4.315	4.176	4.051	4.195	4.369
1458265	at	NA	BB209095	NA	NA	3.833	3.786	3.874	3.791	3.727	3.865	3.930	3.880	3.784	3.691	3.873	3.664	3.836	3.761	3.759	3.774	3.755	3.748	3.709	3.909	3.811	3.902	3.703	4.056
1458266	at	NA	BB262837	NA	NA	5.778	5.735	5.896	5.744	5.703	5.540	5.762	5.760	5.580	5.382	5.755	5.590	5.602	5.690	5.299	5.739	5.803	5.725	5.840	5.755	5.829	5.732	5.872	5.772
1458267	at	Zfp248	BB283439	Mm.212572	6	5.885	5.500	5.929	5.688	5.474	5.694	5.840	5.505	5.441	5.518	5.610	5.485	5.450	5.609	5.660	5.708	5.740	5.659	5.801	5.773	5.535	5.653	5.510	5.916
1458268	s at	Iqfbp3	AI649005	Mm.29254	11	7.856	8.458	8.038	8.801	7.828	8.128	7.768	7.786	8.120	8.095	8.920	8.471	8.287	8.417	8.401	8.137	8.038	8.166	7.804	7.888	8.272	8.162	7.966	8.034
1458269	at	Pcdh9	AW048370	Mm.37126	14	5.968	5.548	5.918	5.940	5.942	5.905	5.724	5.687	5.726	5.773	5.864	5.803	5.759	5.801	5.834	5.940	5.725	5.893	5.820	6.090	5.999	5.758	5.928	5.969
1458270	at	Psmbl1	BM114840	Mm.387390	2	5.432	5.386	5.516	5.152	5.296	5.555	5.525	5.925	5.002	5.525	5.709	5.525	5.693	5.631	5.696	5.700	5.676	5.721	5.737	5.694	5.639	5.581	5.544	5.443
1458271	at	NA	BB417513	NA	NA	6.778	6.350	7.283	6.960	6.245	6.607	6.965	6.709	5.682	6.058	6.605	6.436	6.429	6.578	6.136	7.339	6.451	6.500	6.708	6.490	6.610	6.749	6.708	6.452
1458272	at	NA	AW120949	NA	NA	5.528	5.466	5.738	5.463	5.570	5.436	5.690	5.378	5.573	5.300	5.370	5.331	5.604	5.312	5.490	5.412	5.571	5.438	5.440	5.449	5.643	5.501	5.437	5.396
1458273	at	Nhrnpd	AI843818	Mm.150231	5	4.799	4.454	4.652	4.604	4.596	4.705	4.712	4.590	4.062	4.408	4.641	4.445	4.156	4.351	4.523	4.899	4.682	5.131	4.935	5.008	4.560	4.791	4.660	4.773
1458274	at	Zfp69	AV242394	Mm.331840	4	5.404	5.488	5.277	5.190	5.477	5.310	5.529	5.419	5.441	5.556	5.697	5.350	5.375	5.338	5.446	5.499	5.696	5.624	5.561	5.627	5.330	5.207	5.500	5.450
1458275	at	C110045A20Rik	BF465643	Mm.235205	5	7.173	7.208	7.062	7.039	6.959	7.118	7.238	7.411	7.069	7.230	7.297	7.047	7.073	7.227	7.122	7.047	7.387	7.336	7.204	7.081	7.196	6.983	7.296	7.248
1458276	x at	Cit	BB370767	Mm.8321	5	9.461	9.470	9.313	9.402	9.494	9.282	9.329	9.550	9.265	9.406	9.490	9.256	9.405	9.678	9.232	9.336	9.387	9.205	9.350	9.325	9.396	9.242	9.352	9.239
1458277	at	C125	BB640315	Mm.7275	8	6.610	6.617	6.787	6.890	6.740	6.581	6.707	6.642																

1458325	x	at	Bmf	BB209296	Mm.210125	2	5.968	5.692	5.956	5.706	5.863	5.619	5.761	5.979	5.650	5.531	5.750	5.802	5.213	5.599	5.713	5.654	5.650	5.603	5.518	5.402	5.537	5.789	5.617	6.148	
1458326	at	Polr2e	NA	AV121673	Mm.18579	10	6.295	5.621	6.226	6.033	6.106	5.986	6.492	6.282	5.570	6.051	6.111	5.881	5.921	6.010	6.259	6.302	6.206	6.373	6.423	6.255	6.659	6.333	6.391	6.421	
1458327	x	at	Slc26a1	BB275387	NA	5	3.664	3.619	3.582	3.606	3.553	3.610	3.608	3.728	3.588	3.648	3.627	3.666	3.662	3.528	3.645	3.631	3.570	3.654	3.777	3.654	3.679	3.627	3.588	3.579	
1458328	x	at	NA	BE993003	NA	NA	7	3.734	6.683	7.355	7.114	7.110	7.318	7.094	6.814	7.241	7.074	7.334	6.959	7.093	7.274	7.291	7.166	7.049	7.177	7.388	7.538	7.122	6.979	7.307	7.024
1458329	x	at	Duxbl	BB256356	Mm.428840	14	3.855	3.629	3.705	3.795	3.767	3.813	3.886	3.728	3.781	3.800	4.084	3.782	3.834	3.650	3.841	3.836	3.906	4.102	3.920	3.792	3.920	3.782	3.815	3.888	
1458330	x	at	Cnnm3	BB236001	Mm.256323	1	7.749	7.658	7.715	7.787	7.715	7.855	7.721	7.805	7.715	7.761	7.704	7.775	7.914	7.909	7.786	7.854	7.833	7.902	7.920	7.852	7.823	7.875	7.807	7.807	
1458331	x	at	Ces7	BB081581	Mm.65457	8	8.029	7.723	7.969	7.850	7.828	7.713	7.867	8.146	7.834	7.620	8.028	8.162	7.764	8.043	8.007	7.866	7.761	7.778	7.780	7.917	7.980	7.755	7.841	7.709	7.799
1458332	x	at	NA	AV226663	NA	NA	7.984	7.300	8.202	7.888	7.850	8.102	8.112	7.845	7.845	7.648	8.021	7.455	7.936	7.982	8.055	8.074	7.777	8.242	8.296	8.748	8.191	7.949	8.179	8.296	
1458333	x	at	Utrf1	AV215447	Mm.10205	7	8.664	8.068	8.454	8.424	8.310	8.462	8.688	8.567	8.050	8.203	8.458	8.423	8.337	8.272	8.449	8.590	8.661	8.562	8.476	8.731	8.796	8.478	8.730	8.747	
1458334	at	Wnt7a	BB349175	Mm.56964	6	4.328	4.233	4.349	4.455	4.529	4.494	4.294	4.378	4.390	4.187	4.484	4.276	4.259	4.413	4.589	4.572	4.458	4.478	4.594	4.570	4.430	4.439	4.348	4.438	4.358	
1458335	x	at	Urm1	BB192266	Mm.20273	2	6.866	6.824	6.836	6.861	6.951	6.831	6.782	6.874	6.847	6.798	6.657	6.276	6.420	6.587	6.706	6.865	7.244	6.731	6.855	6.530	6.807	7.072	7.017	6.670	
1458336	at	NA	BB166643	NA	NA	NA	4.009	3.940	4.041	3.971	3.953	3.946	3.967	3.949	3.869	3.975	3.990	4.028	3.918	4.151	3.953	3.903	3.896	4.016	3.873	3.980	3.975	3.859	4.065	3.783	
1458337	at	NA	BB476667	NA	NA	NA	6.868	6.641	6.602	6.640	6.508	6.496	6.632	6.543	6.621	6.644	6.663	6.602	6.600	6.656	6.640	6.525	6.360	6.383	6.599	6.489	6.695	6.279	6.810	6.610	
1458338	x	at	Nr2c1	AV118678	Mm.107483	10	5.141	5.083	5.114	5.084	4.978	5.026	5.266	5.400	5.199	5.273	4.841	5.200	5.169	5.058	5.321	5.195	5.336	5.396	5.284	5.220	5.312	5.452	4.862	5.205	
1458339	at	Cdadc1	BB231078	Mm.439850	14	6.082	5.954	6.219	5.509	5.966	6.146	6.161	5.885	5.923	5.847	5.814	5.874	5.898	5.936	6.184	5.909	5.742	5.850	5.885	6.113	5.576	5.640	5.827	5.977		
1458340	at	NA	BB361377	NA	NA	NA	3.623	3.761	3.644	3.767	3.702	3.717	3.841	3.757	3.740	3.784	3.911	3.747	3.649	3.776	3.897	3.737	3.801	3.892	3.781	3.721	3.607	3.955	3.899	3.846	
1458341	x	at	NA	BB397841	NA	NA	6.395	6.860	6.513	7.011	7.018	7.025	6.785	6.646	7.084	7.050	6.744	6.868	7.103	6.872	7.140	6.466	6.642	6.581	6.887	6.738	6.469	7.034	6.903	6.859	
1458342	at	Tmem90a	BB313069	Mm.152484	12	6.330	6.360	6.301	6.330	6.321	6.317	6.237	6.559	6.323	6.270	6.300	6.401	6.234	6.314	6.145	6.046	6.576	6.479	6.447	6.199	6.642	6.621	6.300	6.231		
1458343	x	at	Med6	AV070715	Mm.279993	12	7.369	7.755	7.477	7.457	7.436	7.338	7.608	7.227	7.626	7.556	7.248	7.222	7.346	7.471	7.261	7.238	7.430	7.534	7.636	7.253	7.405	7.590	7.423	7.390	
1458344	at	NA	BB109777	Mm.215641	16	5.287	5.090	5.342	5.207	5.174	5.299	5.258	5.217	5.268	5.082	5.272	4.988	4.995	5.221	5.275	4.990	5.123	5.025	5.135	5.315	5.207	5.013	5.132	5.230		
1458345	x	at	Colec11	BB239199	Mm.30724	12	9.454	9.591	10.010	10.576	9.802	10.163	10.149	9.514	9.243	9.304	8.390	10.416	10.426	9.982	9.677	9.942	10.268	10.197	9.793	9.858	9.916	10.416	9.805	9.004	
1458346	x	at	NA	BB245970	NA	NA	7.336	6.778	7.363	7.305	7.091	7.199	7.333	7.142	6.722	6.974	7.096	6.895	6.919	7.266	7.436	7.221	7.097	7.251	7.267	7.212	7.190	7.626	7.457		
1458347	x	at	Tmprss2	BB414224	Mm.276145	16	5.702	5.394	5.451	5.528	5.740	5.572	5.492	5.696	5.748	5.594	5.585	5.548	5.673	5.560	5.790	5.528	5.336	5.407	5.392	5.403	5.983	5.500	5.586	5.898	
1458348	at	NA	BE952312	NA	NA	NA	4.807	4.712	4.625	4.931	4.733	4.875	4.813	4.796	4.807	4.716	4.829	4.682	4.698	4.761	4.786	4.442	4.734	4.940	4.960	5.115	4.833	4.824	4.882	4.868	
1458349	s	at	NA	BB278163	NA	NA	4.786	4.324	4.433	4.421	4.333	4.203	4.181	4.375	4.315	4.249	4.428	4.529	4.698	4.142	4.211	4.156	4.549	4.190	4.128	4.401	4.716	4.802	4.408	4.438	
1458350	at	Opa3	AV290089	Mm.239583	7	9.193	8.659	9.161	8.778	8.526	8.989	9.382	8.988	8.589	8.574	8.844	8.644	8.681	8.444	8.713	8.551	8.856	8.782	9.253	8.875	9.208	8.890	8.768	9.099	8.717	
1458351	s	at	NA	BB256356	Mm.428840	8	8.193	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	8.161	
1458352	at	Lcor1	BE951199	Mm.591199	7	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	7.133	
1458353	x	at	Nwd1	BB173301	Mm.390076	8	10.318	9.900	10.050	10.169	10.090	9.928	10.168	10.024	10.248	10.104	10.052	9.935	10.074	10.028	10.009	9.997	9.929	9.935	9.901	10.098	10.213	9.983	10.168	10.101	
1458354	x	at	Krt28	AV294218	Mm.180256	11	4.559	4.261	4.587	4.375	4.555	4.474	4.232	4.416	4.361	4.563	4.401	4.564	4.456	4.453	4.566	4.458	4.487	4.378	4.450	4.266	4.344	4.610	4.200	4.546	
1458355	x	at	Wdr92	BB017703	Mm.298132	11	5.871	6.323	6.399	6.324	6.154	6.270	6.110	6.207	6.107	6.468	5.971	6.070	5.962	6.066	6.006	6.245	6.547	6.383	6.437	6.286	6.479	6.702	6.373	6.267	
1458356	at	NA	AV206120	NA	NA	NA	5.987	5.906	5.938	6.116	6.037	5.914	5.935	6.159	5.766	5.763	5.937	5.956	5.960	6.037	5.951	6.024	6.019	5.721	5.761	5.894	5.920	5.984	6.155	5.847	
1458357	s	at	NA	BB034934	NA	NA	8.043	7.969	7.916	8.059	8.080	7.984	8.023	8.161	8.030	7.994	7.994	7.835	8.016	8.049	8.072	7.983	8.114	8.184	7.838	8.061	8.163	8.177	7.936	8.048	
1458358	at	Pank2	BB402666	Mm.101264	2	6.678	6.331	6.691	6.515	6.389	6.757	6.656	6.543	6.093	6.219	6.307	6.288	6.513	6.268	6.353	6.461	6.648	6.476	6.629	6.656	6.623	6.534	6.583	6.552		
1458359	at	NA	AV125398	NA	NA	NA	4.940	4.602	4.942	4.710	4.434	4.208	4.958	4.237	4.456	4.884	4.580	4.488	4.728	4.382	4.680	4.437	4.680	4.382	4.680	4.382	4.680	4.382	4.680	4.382	
1458360	at	NA	BF465152	NA	NA	NA	6.335	6.215	6.294	6.365	6.321	6.155	6.332	6.441	6.450	6.127	6.336	6.240	6.245	6.168	6.384	6.140	6.496	6.353	6.428	6.364	6.441	6.372	6.363	6.337	
1458361	at	Dclre1c	BB479896	Mm.234843	2	7.632	7.613	7.765	7.763	7.708	7.859	7.687	7.300	7.640	7.516	7.629	7.556	7.625	7.457	7.511	7.715	7.462	7.667	7.701	7.651	7.589	7.209	7.474	7.569		
1458362	at	D730005E14Rik	BE630376	Mm.284059	15	6.460	6.079	6.449	6.394	6.062	6.227	6.367	5.976	6.019	5.924	6.245	6.140	6.064	6.187	6.113	6.315	6.011	6.322	6.213	6.564	6.330	6.077	6.386	6.477		
1458363	at	Zdhxc17	BB280716	Mm.339281	10	4.693	4.586	4.560	4.726	4.425	4.595	4.787	4.644	4.675	4.654	4.645	4.583	4.509	4.624	4.590	4.640	4.659	4.815	4.729	4.820	4.729	4.611	4.623	4.787		
1458364	s	at	Irfq15	BM068979	Mm.211654	1	11.686	11.169	11.260	11.517	11.479	11.132	11.189	11.300	10.734	11.050	11.156	11.403	11.306	10.691	11.182	11.335	11.604	11.340	11.125	11.305	11.099	11.512	11.339	11.444	
1458365	at	Scv1bp1	BB183144	Mm.32901	1	4.898	5.360	5.069	5.155	5.030	5.134	5.023	5.125																		

1458414	at	D2Erd93e	BE952347	Mm.201322	2	6.958	7.245	6.869	7.090	6.984	6.995	6.975	6.852	7.147	7.374	6.845	7.294	6.803	6.655	6.848	6.800	7.111	6.909	6.694	6.614	6.783	6.978	6.861	6.491
1458415	at	Clec2c	AI413530	Mm.30870	6	7.164	6.875	7.066	7.220	6.955	6.993	7.056	7.098	7.038	6.942	6.857	6.751	6.836	7.065	6.808	7.088	7.056	7.104	6.974	7.064	7.114	6.971	7.236	7.123
1458416	at	A3300480O9Rik	BB206037	Mm.185120	13	6.915	6.801	6.724	6.792	6.635	6.810	6.837	6.840	6.794	6.717	6.970	6.592	6.768	6.730	6.909	6.968	6.777	6.963	6.823	6.770	6.819	6.596	7.017	6.809
1458417	at	Jmi1d1b	BB172040	Mm.277906	18	6.964	7.036	6.909	6.883	7.003	7.073	7.031	6.714	7.112	7.014	6.885	7.076	7.004	6.842	6.889	6.986	6.942	7.035	6.855	6.797	6.954	6.939	7.128	6.963
1458418	at	NA	BB282649	NA	5	5.359	5.266	5.912	5.930	5.668	5.744	5.792	5.652	5.679	5.565	5.719	5.385	5.675	5.423	5.745	5.815	5.677	5.580	5.782	5.757	5.674	5.602	5.688	5.828
1458419	at	E130125H2ARik	BB235444	Mm.440012	2	7.009	6.724	6.814	6.891	6.934	6.867	6.838	7.126	6.852	6.723	6.916	6.835	6.952	6.888	6.835	6.983	6.983	6.880	6.824	6.788	6.983	6.881	6.900	6.735
1458420	at	AqhB5	BB501301	Mm.440364	5	8.034	7.701	7.887	7.927	7.852	7.831	7.936	8.078	7.888	7.795	7.961	7.836	7.884	7.784	7.880	7.942	8.053	7.724	7.831	7.870	7.927	7.935	7.973	7.901
1458421	at	Kcnc93	AW494964	Mm.255585	15	5.825	5.786	5.923	5.862	5.950	6.032	5.970	5.849	6.062	5.917	5.979	5.818	5.848	5.835	5.799	6.076	5.978	6.020	5.932	6.161	5.991	5.760	5.975	5.907
1458422	at	D730002M21Rik	BF018024	Mm.153305	19	6.994	6.581	6.790	6.836	6.628	6.591	6.810	6.737	6.700	6.634	6.828	6.579	6.747	6.720	6.568	6.816	6.855	6.649	6.959	6.785	6.766	6.579	6.947	6.808
1458423	at	Luc712	BB373516	Mm.276133	6	5.013	4.987	5.073	4.931	4.854	5.456	4.875	4.886	4.778	4.627	5.079	5.013	5.024	5.127	4.850	5.071	5.019	4.905	4.970	5.106	4.959	5.072	4.858	5.193
1458424	at	NA	BI133940	NA	NA	6.659	6.187	6.520	6.686	6.403	6.391	6.507	6.413	6.432	6.493	6.613	6.352	6.426	6.464	6.570	6.524	6.575	6.569	6.447	6.564	6.532	6.477	6.586	6.679
1458425	at	NA	BM945176	NA	NA	8.393	7.840	8.604	8.376	8.028	8.319	8.357	7.894	7.434	7.801	7.641	7.960	7.810	7.835	7.822	8.463	8.679	8.472	8.496	8.250	8.403	8.379	8.180	8.073
1458426	at	NA	BM941075	NA	NA	7.380	7.165	7.280	7.345	6.570	7.368	7.735	7.204	6.799	6.641	6.907	7.400	6.844	6.982	6.938	7.318	7.361	7.173	7.257	7.162	7.222	7.412	7.466	6.849
1458427	at	Bri1	BG071758	Mm.186143	11	5.100	5.209	4.927	5.218	5.011	4.992	5.055	5.187	5.051	4.949	5.091	4.871	5.058	5.348	4.895	4.972	4.869	4.951	5.168	4.982	5.124	5.109	4.937	5.051
1458428	at	Kcnc1	BB389830	Mm.119462	2	5.466	4.911	5.358	5.353	5.235	5.501	5.189	5.645	5.191	5.125	5.452	5.150	5.203	5.069	5.412	5.346	5.349	5.514	5.270	5.475	5.408	5.465	5.199	5.655
1458429	at	Arhgap30	BB749943	Mm.251048	1	7.925	7.629	7.774	7.785	7.783	7.721	7.820	7.796	7.796	7.636	7.637	7.763	7.806	7.716	7.744	7.868	7.822	7.814	7.808	7.869	7.878	7.780	7.842	7.837
1458430	at	C87436	AV278529	Mm.333219	6	6.399	6.047	6.141	6.418	6.151	6.328	6.251	6.168	6.286	6.033	6.229	5.825	6.207	6.204	6.194	6.226	6.210	6.100	6.367	6.344	6.337	6.228	6.400	6.357
1458431	at	EIf4a2	BB159664	Mm.185453	7	8.226	7.853	8.044	7.965	7.865	7.813	7.990	7.924	7.829	7.704	7.939	7.772	7.912	7.899	7.950	8.085	8.060	8.013	8.199	8.214	7.976	7.944	8.192	7.993
1458432	at	NA	BE948993	NA	NA	5.561	5.536	5.429	5.756	5.847	5.633	5.679	5.639	5.711	5.581	5.804	5.722	5.422	5.588	5.947	5.515	5.616	5.495	5.593	5.782	5.621	5.809	6.031	5.376
1458433	at	Ras2d	BE944531	Mm.173758	8	7.675	7.381	7.583	7.516	7.468	7.556	7.595	7.580	7.457	7.299	7.532	7.461	7.510	7.560	7.335	7.561	7.494	7.576	7.615	7.754	7.562	7.454	7.491	7.614
1458434	at	A730009L09Rik	BB245484	Mm.127269	16	3.952	4.107	3.841	4.014	3.868	3.925	4.162	4.046	3.890	3.877	3.957	3.790	4.093	4.025	3.979	3.936	3.956	4.024	3.875	4.131	3.884	3.920	3.974	3.989
1458435	at	20100001O3Rik	BF658266	Mm.380486	X	6.698	6.494	6.828	6.736	6.600	6.701	6.743	6.846	6.468	6.519	6.715	6.793	6.640	6.443	6.609	6.818	6.775	6.628	6.695	6.772	6.816	6.842	6.610	6.680
1458436	at	Auh	BB815755	Mm.252034	13	7.259	7.226	7.328	7.224	7.440	7.015	7.347	7.359	7.534	7.419	7.331	7.365	7.600	7.392	7.458	7.704	7.331	7.332	7.243	7.437	7.309	7.192	7.400	7.464
1458437	at	NA	BE945748	NA	NA	6.662	6.209	6.451	6.557	6.393	6.444	6.495	6.477	6.327	6.126	6.409	6.446	6.383	6.449	6.389	6.611	6.781	6.452	6.496	6.472	6.310	6.538	6.646	6.248
1458438	at	Ccdc122	AW554226	Mm.102168	14	7.196	7.537	7.160	7.048	7.292	7.139	7.465	6.666	7.400	7.345	7.326	7.301	7.280	7.143	7.352	7.065	7.660	7.206	7.083	7.107	7.298	7.738	6.297	7.064
1458439	a at	Dzip3	BM231657	Mm.275138	16	7.862	8.361	7.849	7.463	7.957	7.672	7.675	8.036	8.151	8.338	7.952	8.249	8.073	8.324	7.897	7.706	7.498	7.782	7.880	7.575	7.123	7.551	6.917	7.162
1458440	at	Specp1	BM287631	Mm.458025	11	6.183	6.488	6.566	6.251	6.353	6.256	6.719	6.353	6.796	7.358	6.498	6.458	6.767	6.920	6.680	6.185	6.980	6.070	5.585	5.930	5.782	5.851	6.026	6.158
1458441	at	NA	BE945617	Mm.212667	3	7.430	7.338	7.275	7.498	7.237	7.326	7.390	7.269	7.233	7.257	7.233	7.171	7.295	7.210	7.295	7.110	7.295	7.110	7.295	7.110	7.295	7.110	7.295	7.110
1458442	at	AI132709	AI266897	Mm.250744	7	5.637	5.679	5.696	5.815	5.862	5.493	5.703	5.783	5.853	5.521	5.760	5.545	5.654	5.591	5.823	5.631	5.675	5.644	5.676	6.037	5.796	5.619	5.761	5.557
1458443	at	Crtc1	BE986758	Mm.227767	8	6.789	6.810	6.499	6.754	6.848	6.742	6.632	6.956	6.985	6.865	6.792	6.963	6.880	6.954	6.802	6.599	6.632	6.648	6.809	6.741	6.804	6.703	6.765	7.668
1458444	at	NA	AV145217	NA	NA	7.016	6.523	6.727	6.673	6.698	6.602	6.663	6.558	6.678	6.579	6.799	6.652	6.721	6.793	6.760	6.738	6.577	6.691	6.649	6.671	6.788	6.550	6.745	6.806
1458445	at	NA	BF463585	NA	NA	4.175	4.133	4.155	4.194	4.263	4.319	4.248	4.311	4.077	4.064	4.325	4.075	4.109	4.094	4.165	4.100	4.068	4.068	4.133	4.128	4.078	3.988	4.142	4.108
1458446	at	3222401L13Rik	BB524874	Mm.353627	18	6.811	6.562	6.923	6.884	6.688	6.694	6.848	6.663	6.709	6.702	6.491	6.678	6.693	6.660	6.672	6.807	6.823	6.709	6.664	6.765	6.776	6.539	6.704	6.761
1458447	at	Cenpf	BB667318	Mm.129746	1	5.908	5.910	5.802	5.812	6.088	5.714	5.764	6.124	6.069	6.240	6.208	5.765	6.180	6.113	5.968	5.803	5.700	5.562	5.679	5.777	5.810	5.737	5.858	5.552
1458448	at	NA	BB408296	Mm.173758	1	7.837	7.223	7.513	7.624	7.406	7.655	7.795	7.789	7.507	7.499	7.752	7.532	7.591	7.628	7.393	7.516	7.837	7.639	7.732	7.812	7.869	7.612	7.488	7.712
1458449	at	Fhlb11	BB243897	Mm.31941	19	6.239	6.137	6.347	6.268	6.320	6.484	6.324	6.520	6.326	6.367	6.459	6.284	6.360	6.324	6.499	6.378	6.422	6.427	6.393	6.475	6.506	6.438	6.400	6.435
1458450	at	Zfr	BB214490	Mm.273496	15	5.581	5.487	5.369	5.597	5.448	5.475	5.494	5.333	5.524	5.553	5.574	5.544	5.648	5.248	5.604	5.367	5.379	5.489	5.443	5.666	5.784	5.711	5.494	5.640
1458451	at	Cdk2ap1	BE985383	Mm.425284	5	6.910	6.634	6.982	7.062	6.829	6.765	6.853	7.040	6.907	6.750	7.114	6.715	6.896	6.921	6.741	7.061	6.996	6.959	6.994	7.051	7.006	6.946	7.242	7.003
1458452	at	Ankrd11	BM251016	Mm.31567	8	8.468	8.436	8.291	8.243	8.396	8.377	8.149	8.487	8.319	8.359	8.390	8.490	8.427	8.258	8.220	8.391	8.619	8.354	8.426	8.443	8.604	8.873	8.032	8.256
1458453	at	Lmo7	AW553337	Mm.475118	14	7.881	7.730	7.605	7.466	7.556	7.616	7.591	7.928	7.351	7.303	7.402	7.426	7.485	7.801	7.877	7.533	7.799	7.814	7.919	7.853	7.779	7.696	7.547	7.823
1458454	at	NA	AI452122	NA	NA	7.846	7.811	7.794	7.957	7.836	7.689	7.785	8.146	8.326	7.783	7.863	7.704	7.963	7.853	7.905	7.868	7.895	7.776	7.769	8.016	7.855	7.768	7.924	

1458503	at	Bcl7a	BE988767	Mm.151960	5	5.398	4.994	5.381	5.538	5.127	5.291	5.326	5.486	5.151	5.173	5.574	5.237	5.439	5.262	5.242	5.348	5.396	5.390	5.179	5.558	5.272	5.415	5.534	5.338
1458504	at	Zc3h12d	BB908669	Mm.140055	10	6.448	6.676	6.480	6.616	6.501	6.457	6.658	6.274	6.836	6.635	6.630	6.311	6.621	6.777	6.331	6.398	6.128	6.479	6.515	6.622	6.135	6.062	6.468	6.071
1458505	at	AW546414	AW546414	Mm.443869	NA	8.933	8.295	9.026	8.634	8.383	8.503	8.939	8.305	7.776	8.230	8.082	8.187	8.289	8.063	8.329	8.931	8.852	8.555	8.546	8.573	8.409	8.730	8.563	8.476
1458506	at	B1735399	B1735399	Mm.206197	14	5.117	4.855	4.959	4.985	5.046	5.070	4.988	5.132	5.225	4.860	5.155	4.997	5.140	5.113	5.151	5.148	5.112	5.199	5.059	5.256	5.100	5.126	5.264	5.250
1458507	at	BB488390	BB488390	Mm.381440	5	5.321	5.410	5.679	5.838	5.584	5.512	5.546	5.535	5.729	5.524	5.640	5.583	5.538	5.535	5.589	5.539	5.464	5.589	5.510	5.544	5.511	5.772	5.657	5.460
1458508	at	BB445411	BB445411	Mm.215034	18	6.824	6.515	6.657	6.679	6.538	6.730	6.672	6.788	6.696	6.761	6.617	6.677	6.693	6.284	6.806	6.800	6.727	6.830	6.704	6.597	6.865	6.813	6.714	6.723
1458509	at	BF466475	BF466475	NA	NA	7.096	7.150	6.898	6.980	6.959	6.966	6.995	7.090	6.937	6.845	7.008	6.887	6.676	6.934	6.728	6.912	7.111	6.846	6.886	6.918	6.955	7.064	6.932	7.188
1458510	at	AU019823	AV362172	Mm.335149	9	6.832	7.298	7.044	7.139	7.102	6.736	7.056	7.548	7.195	7.284	7.081	7.492	7.267	6.936	7.143	6.803	7.456	7.153	6.744	6.952	7.277	7.537	7.143	6.926
1458511	at	Z410025L10Rik	BE687898	Mm.348782	5	7.131	6.930	7.154	6.906	6.892	6.929	7.029	6.899	6.954	6.885	6.954	6.719	6.827	6.937	6.900	7.090	6.988	6.888	7.008	7.144	6.879	6.845	6.962	7.083
1458512	at	Tle3	AW490470	Mm.24255	9	6.707	6.610	6.619	6.647	6.712	6.663	6.537	6.474	6.960	6.639	6.526	7.086	6.925	6.600	6.859	6.496	6.472	6.646	6.480	6.601	6.674	6.501	6.603	6.640
1458513	at	Mapk10	BE947490	Mm.39253	5	4.726	4.398	4.949	4.646	4.696	4.601	4.758	4.600	4.563	4.593	4.565	4.465	4.499	4.550	4.450	4.462	4.583	4.595	4.465	4.461	4.709	4.699	4.621	4.594
1458514	at	AA536887	AW742789	Mm.441567	7	8.124	7.914	8.374	8.426	8.279	8.213	8.208	8.342	8.338	8.132	8.276	8.322	8.241	8.255	8.213	8.238	8.303	8.331	8.126	8.278	8.398	8.206	8.422	8.047
1458515	at	Zfp129	BB502692	Mm.293023	7	5.360	5.278	5.274	5.437	4.912	5.369	5.552	5.302	5.291	5.378	5.354	5.337	5.311	5.362	5.253	5.661	5.643	5.612	5.579	5.578	5.593	5.494	5.446	5.278
1458516	at	Nckap1	BB201389	Mm.30805	15	4.305	4.445	4.433	4.450	4.250	4.591	4.534	4.386	4.568	4.657	4.491	4.478	4.552	4.582	4.410	4.462	4.440	4.416	4.260	4.312	4.461	4.400	4.495	4.565
1458517	at	NA	BI076610	NA	NA	6.764	6.311	6.586	6.653	6.443	6.387	6.484	6.553	6.371	6.523	6.481	6.377	6.410	6.460	6.653	6.699	6.463	6.609	6.649	6.693	6.535	6.569	6.608	6.520
1458518	at	Cpeb2	BM935843	Mm.7233	5	7.896	7.959	7.908	7.670	7.704	8.120	7.532	7.220	7.747	8.037	8.507	7.681	7.725	8.034	8.255	8.111	7.534	7.574	8.081	8.103	7.592	7.316	7.985	8.358
1458519	at	NA	AV249752	NA	NA	4.860	4.970	5.018	4.904	4.898	5.235	5.075	5.012	5.015	4.855	5.086	4.713	4.781	5.008	5.054	5.055	4.793	5.064	5.199	5.435	4.763	4.923	5.071	5.305
1458520	at	NA	BG070459	NA	NA	6.963	6.710	6.838	6.948	6.708	6.872	6.835	6.801	6.791	6.527	6.944	6.602	6.802	6.564	6.734	6.863	6.842	6.963	6.767	6.801	6.961	6.935	6.936	6.966
1458521	at	NA	BE981396	NA	NA	7.237	6.601	6.982	6.768	6.739	6.941	6.841	6.926	6.713	6.766	6.955	6.678	6.858	6.773	7.093	7.150	6.757	6.773	6.822	7.083	7.070	6.785	6.899	7.255
1458522	at	NA	BB541181	NA	NA	4.199	3.951	4.239	3.998	4.152	4.197	4.190	3.933	4.167	3.892	3.959	3.891	4.033	3.915	4.140	4.132	4.243	4.118	4.093	4.061	4.045	3.791	4.182	4.167
1458523	at	Zfml	BB364292	Mm.132392	6	6.039	5.587	5.808	5.953	5.821	5.908	5.870	5.630	5.550	5.600	5.816	5.630	5.799	5.695	5.793	5.918	6.054	5.809	5.952	5.864	5.736	5.570	5.542	5.881
1458524	at	Fndc3a	AW067656	Mm.205421	14	5.825	5.637	5.705	5.589	5.579	5.449	5.501	5.902	5.805	5.694	5.910	5.607	5.673	5.653	5.907	5.689	5.839	5.586	5.903	5.319	5.618	5.760	5.669	6.091
1458525	at	NA	BB023775	NA	NA	8.197	8.401	8.135	8.286	8.522	8.348	8.358	8.049	8.600	8.365	8.381	8.187	8.262	8.257	8.237	8.331	8.125	8.007	8.015	7.836	7.670	7.771	8.349	8.204
1458526	at	NA	BW048656	NA	NA	5.481	5.303	5.056	5.272	5.119	5.182	5.053	5.279	5.312	5.037	5.195	5.127	4.913	5.196	5.071	5.111	5.098	4.894	4.975	5.095	4.904	4.959	5.347	5.040
1458527	at	NA	BB345991	NA	NA	7.571	7.453	7.898	7.902	7.740	8.116	7.778	7.430	7.763	7.666	7.178	7.591	7.372	7.341	7.624	7.850	7.916	7.887	7.993	8.105	7.682	7.721	7.737	7.693
1458528	at	NA	AW491643	NA	NA	7.169	7.158	7.669	7.558	7.938	7.592	7.568	7.595	7.343	7.776	7.023	7.595	7.280	6.985	7.674	7.634	8.100	7.979	7.615	7.914	7.830	8.170	7.766	7.691
1458529	at	EG215714	NA	NA	1	6.050	5.920	6.041	5.984	6.050	6.179	5.929	5.858	6.019	5.929	6.019	5.929	6.019	5.929	6.019	5.929	6.019	5.929	6.019	5.929	6.019	5.929	6.019	5.929
1458530	at	NA	BE946078	NA	NA	6.785	6.523	5.780	6.764	6.546	6.779	6.715	7.171	6.492	6.626	6.990	6.806	7.074	6.909	6.877	7.859	6.731	6.134	1.161	6.686	6.786	7.466	6.986	7.686
1458531	at	DEErtD588e	AU022985	Mm.445691	6	4.560	4.448	4.451	4.364	4.489	4.437	4.559	4.554	4.476	4.432	4.407	4.424	4.441	4.570	4.564	4.471	4.477	4.431	4.585	4.519	4.337	4.315	4.459	4.514
1458532	at	Mtr	BB813231	Mm.40335	13	6.770	7.067	6.642	6.589	6.539	6.707	6.853	6.798	6.779	6.614	6.745	6.782	6.538	6.722	6.684	6.709	7.100	6.861	6.666	7.086	6.958	6.897	6.990	6.779
1458533	at	R330169L03Rik	BB350820	Mm.118931	NA	3.738	3.716	3.675	3.670	3.615	3.850	3.719	3.630	3.618	3.742	3.664	3.533	3.557	3.687	3.757	3.620	3.585	3.610	3.774	3.757	3.735	3.776	3.809	3.787
1458534	at	Qs7b7dp	BB281929	Mm.100348	13	6.489	6.460	6.649	6.729	6.214	6.757	6.546	6.682	6.260	6.187	6.284	6.383	6.096	6.310	6.378	6.656	6.597	6.658	6.535	6.505	6.518	6.365	6.512	6.514
1458535	at	NA	AW123117	NA	NA	4.077	6.783	6.724	6.936	6.833	6.775	6.631	6.771	7.049	6.939	6.906	6.856	7.102	7.006	6.904	6.872	6.704	6.955	6.851	6.936	6.798	6.552	6.878	6.755
1458536	at	NA	BB097972	NA	NA	7.526	4.554	4.503	4.559	4.719	4.585	4.667	4.653	4.699	4.897	4.680	4.716	4.879	4.493	4.853	4.478	4.815	4.574	4.715	4.342	4.535	4.480	4.628	4.504
1458537	at	NA	BB441236	NA	NA	7.042	6.757	6.971	6.971	6.921	6.943	7.149	6.935	6.929	6.856	6.788	6.797	6.894	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907
1458538	at	NA	BB198440	NA	NA	7.461	7.155	7.541	7.562	7.365	7.527	7.507	7.336	7.121	7.127	7.184	7.101	6.935	6.987	7.498	7.442	7.438	7.305	7.445	7.495	7.292	7.131	7.722	7.447
1458539	at	R3hdml1	BB462088	Mm.221041	1	7.128	7.133	6.732	7.051	7.044	7.027	6.811	7.127	7.091	6.850	6.920	7.103	7.054	7.015	6.904	6.884	7.247	7.244	7.077	7.156	7.107	7.266	6.697	6.999
1458540	at	NA	AW457371	NA	NA	7.233	6.987	7.067	7.191	7.257	7.165	7.154	7.325	7.319	7.089	7.424	7.143	7.203	7.210	7.180	7.164	7.254	7.072	7.133	7.417	7.068	7.269	7.243	7.077
1458541	at	Dctn4	BB125218	Mm.272801	18	6.801	7.051	6.613	6.614	6.704	6.665	6.620	6.710	6.665	6.679	6.607	6.668	6.566	6.578	6.569	6.751	6.904	6.673	6.761	6.641	6.474	6.768	6.693	6.408
1458542	at	NA	AI930204	NA	NA	8.541	8.106	8.385	8.335	8.184	8.566	8.399	7.966	7.903	8.003	7.917	7.992	8.214	7.966	8.224	8.453	8.238	8.192	8.186	8.230	8.291	8.206	8.434	8.408
1458543	at	NA	AI585995	NA	NA	4.597	4.376	4.381	4.417	4.460	4.321	4.307	4.375	4.567	4.386	4.364	4.494	4.532	4.388	4.312	4.350	4.567	4.452	4.398	4.442	4.690	4.447	4.377	4.605
1458544	at	BC059841	BB202229	Mm.23240	14	6.595	5.679																						

1458592	at	NA	AI118114	NA	NA	5.554	4.921	5.518	5.390	5.667	5.518	5.601	5.610	5.001	5.284	5.284	5.545	5.618	5.081	5.646	5.505	5.762	5.735	5.687	5.837	5.471	5.583	5.522	5.639
1458593	at	Fhn1	BB442690	Mm.217644	2	5.517	5.478	5.473	5.531	5.472	5.305	5.347	5.423	5.385	5.376	5.707	5.426	5.395	5.516	5.578	5.360	5.335	5.376	5.586	5.476	5.417	5.339	5.469	5.396
1458594	at	Shorh	BB539406	Mm.133101	10	5.961	5.716	5.855	5.929	5.696	6.105	5.868	5.865	5.775	5.599	5.688	5.577	5.890	5.776	5.830	5.681	5.784	5.618	5.950	5.168	5.780	5.518	5.725	5.702
1458595	at	Intu	AW907704	Mm.105309	3	7.421	7.371	7.426	7.396	7.467	7.463	7.355	7.446	6.972	7.326	7.568	7.482	7.105	7.386	7.366	7.221	7.555	7.145	6.480	7.151	8.228	8.063	7.856	8.092
1458596	at	Dqn4	BB442418	Mm.272801	18	6.419	6.127	6.356	6.334	6.223	6.275	6.315	6.248	6.152	6.290	6.239	6.974	6.044	6.295	6.204	6.140	6.229	6.104	6.391	6.252	6.121	6.171	6.394	6.223
1458597	at	NA	BE982550	NA	NA	5.962	5.697	5.95	5.933	5.754	5.911	5.967	5.902	5.833	5.818	5.596	5.756	5.728	5.895	5.961	5.858	5.987	5.873	6.157	5.786	5.895	5.999	6.015	5.999
1458598	at	NA	BE979804	NA	NA	8.475	7.956	8.304	8.511	8.286	8.336	8.508	8.490	8.063	8.035	8.327	8.171	8.258	8.200	8.243	8.479	8.351	8.183	8.496	8.398	8.461	8.372	8.590	8.530
1458599	at	NA	BB009155	NA	NA	5.219	5.283	5.239	5.245	5.176	5.341	5.541	5.476	5.355	5.199	5.905	5.194	5.368	5.259	5.400	5.202	5.383	5.416	5.627	5.403	5.510	5.274	5.354	5.490
1458600	at	LOC100044110	BM570793	NA	2	7.002	6.778	6.941	6.793	7.044	7.177	6.953	6.992	6.840	6.948	7.097	6.917	7.113	7.078	6.969	6.959	7.198	6.938	6.992	7.273	7.069	6.664	6.962	7.180
1458601	at	80304472M02Rik	AI503942	NA	2	7.665	7.395	7.706	7.914	7.802	7.813	7.604	8.251	7.382	7.581	7.529	7.871	7.601	7.608	7.799	7.707	8.136	8.157	7.690	7.807	7.907	8.217	7.910	7.517
1458602	at	Bbx	BM235738	Mm.28940	16	6.205	6.247	6.366	6.394	6.148	6.238	6.527	6.249	6.274	6.373	6.238	6.320	6.347	6.550	6.302	6.296	6.503	6.295	6.165	6.187	6.428	6.448	6.209	6.521
1458603	at	NA	BB201205	NA	NA	6.437	6.426	6.482	6.460	6.399	6.425	6.462	6.569	6.711	6.553	6.459	6.341	6.463	6.507	6.583	6.609	6.422	6.298	6.471	6.516	6.508	6.417	6.736	6.398
1458604	at	NA	BM201930	NA	NA	5.301	5.112	5.244	5.130	5.209	5.279	5.186	5.411	5.118	5.054	5.300	5.273	5.295	5.221	5.311	5.331	5.248	5.269	5.221	5.324	5.199	5.407	5.483	5.242
1458605	at	NA	AW107249	NA	NA	5.787	5.839	5.817	5.826	5.844	5.879	5.869	5.834	6.013	5.881	5.915	5.940	5.713	5.618	5.724	5.695	5.992	5.901	5.880	5.767	5.914	5.875	5.825	6.255
1458606	at	NA	BF018877	NA	NA	7.549	7.188	7.477	7.574	7.463	7.416	7.547	7.516	7.620	7.461	7.533	7.305	7.385	7.291	7.478	7.704	7.425	7.466	7.549	7.728	7.607	7.540	7.519	7.618
1458607	at	NA	BB201301	NA	NA	5.584	5.200	5.521	5.811	5.257	5.446	5.608	5.609	5.429	5.426	5.604	6.064	5.699	5.649	5.286	5.638	5.426	5.309	5.249	5.614	5.316	5.374	5.410	5.452
1458608	at	NA	BB112957	NA	NA	7.701	7.591	7.525	7.696	7.766	7.681	7.631	7.523	7.615	7.484	7.518	7.421	7.656	7.590	7.630	7.822	7.557	7.701	7.735	7.916	7.628	7.456	7.805	7.685
1458609	at	NA	BB740021	NA	NA	4.091	4.094	3.938	4.064	4.183	4.105	4.129	4.110	4.113	3.982	4.000	4.030	4.209	4.204	4.000	4.193	4.061	4.081	4.189	4.192	3.897	4.078	4.138	4.000
1458610	at	NA	BB210636	NA	NA	4.905	4.840	4.894	4.989	4.829	5.032	4.968	4.990	4.863	4.735	4.971	4.773	4.852	4.962	4.874	4.992	4.907	4.879	4.882	4.978	5.037	5.000	4.979	4.849
1458611	at	NA	B1872156	NA	NA	6.886	6.515	6.705	6.603	6.557	6.540	6.586	6.641	6.545	6.352	6.504	6.408	6.328	6.369	6.514	6.430	6.545	6.424	6.584	6.587	6.451	6.778	6.753	6.488
1458612	at	NA	BB280152	NA	1	4.688	4.425	4.557	4.697	4.665	4.680	4.578	4.568	4.647	4.598	4.626	4.693	4.568	4.722	4.584	4.747	4.743	4.790	4.681	4.868	4.872	4.870	4.573	6.643
1458613	at	NA	BB564960	Mm.45275	2	9.515	9.025	9.411	9.387	9.195	9.263	9.487	9.303	9.196	9.098	9.378	9.144	9.178	9.231	9.411	9.443	9.249	9.259	9.350	9.425	9.369	9.073	9.402	9.379
1458614	at	Arcd1b	BB344277	Mm.250197	6	5.718	5.522	5.762	5.849	5.593	5.548	5.802	5.915	5.675	5.546	5.930	5.750	5.652	5.712	5.544	5.744	5.849	5.801	5.642	5.780	5.632	5.691	5.941	5.774
1458615	at	Deapc5	BB772373	Mm.439888	5	6.946	6.724	6.846	6.936	6.902	6.849	7.019	6.820	6.665	6.711	6.641	6.534	6.668	6.717	6.639	6.778	6.688	6.673	6.802	6.955	6.875	6.657	7.028	6.760
1458616	at	NA	BM248947	NA	NA	9.508	9.536	9.304	9.249	9.298	9.205	9.244	9.154	9.370	9.230	9.305	8.971	9.218	9.220	9.127	9.276	9.157	8.874	9.051	8.796	9.247	9.110	9.249	9.979
1458617	at	Prkcbp1	BM239405	Mm.227598	2	7.290	7.044	7.290	7.293	7.425	7.414	7.228	6.944	7.280	7.323	6.879	7.045	7.094	7.327	7.332	7.344	7.721	7.701	7.534	7.708	7.191	7.266	7.515	7.293
1458618	at	NA	BB420750	NA	NA	6.348	6.564	6.563	6.563	6.563	6.576	6.563	6.451	6.498	6.563	6.451	6.498	6.563	6.451	6.498	6.563	6.451	6.498	6.563	6.451	6.498	6.563	6.451	6.498
1458619	at	NA	BM214895	NA	NA	4.723	4.607	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666	4.852	4.666
1458620	at	EGQ32993	AV261385	Mm.473746	5	5.247	5.039	5.388	5.189	5.234	5.105	5.099	5.237	5.316	5.238	5.380	5.076	5.479	5.196	5.099	5.131	5.116	5.161	5.204	5.514	5.324	5.322	5.289	5.213
1458621	at	E030030F06Rik	AI452215	Mm.374877	4	5.136	5.126	5.096	5.092	5.202	5.017	5.103	5.265	5.109	5.023	5.293	5.228	5.245	5.143	5.247	4.985	4.950	4.965	5.213	5.154	5.180	5.138	5.023	5.086
1458622	at	Ntrk2	AW121243	Mm.130054	13	4.444	4.117	4.482	4.435	4.463	4.437	4.434	4.407	4.347	4.323	4.481	4.282	4.257	4.429	4.540	4.439	4.443	4.720	4.590	4.399	4.362	4.627	4.556	4.440
1458623	at	NA	AI413154	NA	NA	7.903	7.442	7.574	7.865	7.647	7.646	7.781	7.655	7.677	7.567	7.698	7.733	7.586	7.526	7.678	7.589	7.771	7.778	7.630	7.728	7.739	7.564	7.719	7.868
1458624	at	Rbm24	AW125876	Mm.38269	13	7.727	7.435	7.517	7.779	7.479	7.674	7.671	7.716	6.970	7.315	7.208	7.771	7.459	7.030	7.094	7.613	8.182	7.946	7.395	7.528	7.860	7.948	7.314	7.475
1458625	at	NA	BO175183	NA	NA	5.153	5.450	5.449	5.320	5.322	5.473	5.402	5.170	5.350	4.980	5.505	5.346	5.359	5.321	5.440	5.654	5.239	5.422	5.414	5.570	5.238	5.502	5.356	5.055
1458626	at	NA	AO429504	Mm.442749	5	6.858	6.329	6.691	6.440	6.509	6.555	6.543	6.520	6.538	6.866	6.522	6.525	6.405	6.522	6.525	6.405	6.522	6.525	6.405	6.522	6.525	6.405	6.522	6.525
1458627	at	Slp1	AW071014	Mm.35353	12	6.687	6.337	6.429	6.264	6.363	6.303	6.448	6.642	6.382	6.377	6.392	6.324	6.561	6.218	6.422	6.079	6.525	6.417	6.415	6.406	6.630	6.575	6.548	6.426
1458628	at	NA	AI604383	NA	NA	7.597	7.474	7.659	7.671	7.686	7.808	7.794	7.516	7.542	7.329	7.688	7.616	7.710	7.756	7.845	7.886	7.532	7.752	7.784	8.004	7.910	7.770	7.745	7.689
1458629	at	NA	BO129480	NA	NA	6.563	6.632	6.156	6.397	6.366	6.062	6.349	6.942	6.442	6.667	6.593	6.536	6.608	6.602	6.398	6.403	6.929	6.500	6.301	6.212	6.753	6.970	6.419	6.388
1458630	at	NA	BM224051	NA	NA	4.485	4.619	4.263	4.463	4.407	4.444	4.359	4.618	4.805	4.585	4.316	4.746	4.453	4.533	4.631	4.534	4.533	4.552	4.347	4.587	4.683	4.526	4.396	4.517
1458631	at	NA	BM118971	NA	NA	6.596	6.328	6.559	6.524	6.417	6.467	6.565	6.536	6.520	6.525	6.677	6.388	6.485	6.606	6.597	6.646	6.511	6.515	6.537	6.637	6.611	6.520	6.506	6.531
1458632	at	NA	AI506097	NA	NA	5.467	5.549	5.334	5.276	5.416	5.211	5.302	5.575	5.434	5.542	5.281	5.710	5.242	5.264	5.478	5.617	5.337	5.561	5.353	5.229	5.393	5.640	6.528	5.269
1458633	at	NA	BB68827	NA	NA	6.882	6.711	6.956	6.889	6.889	6.767	6.889	6.889	6.767	6.889	6.889	6.767	6.889											

1458681	at	NA	AW823484	NA	NA	7.580	7.290	7.422	7.419	7.176	7.380	7.525	7.499	7.194	7.304	7.341	7.304	7.199	7.301	7.401	7.482	7.456	7.377	7.519	7.658	7.360	7.320	7.376	7.458
1458682	at	D130059P03Rik	BB552943	Mm.302831	6	4.139	4.187	4.236	4.049	4.166	4.104	4.129	4.235	4.109	4.173	4.294	4.134	4.037	4.255	4.155	4.444	4.049	4.369	4.200	4.147	4.193	4.044	4.274	4.314
1458683	at	Sirpb1	BB224524	Mm.330924	3	6.874	8.376	6.698	6.723	6.823	7.024	6.773	6.747	8.269	7.958	7.034	6.760	7.103	8.398	6.905	6.715	6.536	6.148	6.755	6.706	6.159	6.262	6.619	6.531
1458684	at	NA	BG065620	NA	NA	7.952	7.898	7.871	8.032	7.939	7.955	7.857	7.754	7.973	7.745	7.860	7.770	7.792	7.837	7.940	7.916	7.832	7.839	7.891	7.776	7.807	7.737	7.934	7.836
1458685	at	Garn11	B0552367	Mm.292180	12	7.125	7.006	6.573	6.886	6.848	6.865	6.781	7.121	6.487	6.881	6.650	7.090	6.817	6.342	6.817	6.628	7.281	7.136	6.855	6.728	7.230	7.360	7.048	7.156
1458686	at	NA	BM239853	NA	NA	5.561	5.435	5.450	5.375	5.363	5.705	5.598	5.466	5.462	5.407	5.476	5.322	5.385	5.413	5.548	5.516	5.447	5.454	5.582	5.539	5.311	5.645	5.485	
1458687	at	672498	BG070509	Mm.173259	8	6.006	5.589	5.977	5.999	5.761	5.789	6.174	5.877	5.983	5.972	5.515	5.819	5.863	6.128	5.901	5.750	5.768	5.825	5.871	6.051	5.881	6.121	5.823	5.906
1458688	at	Arhaap28	BB786927	Mm.9935	17	6.854	6.984	6.698	6.919	6.889	6.847	6.782	6.812	7.005	6.776	6.638	6.612	6.953	6.844	6.755	6.646	6.915	6.774	6.814	6.853	6.738	6.666	6.937	6.589
1458689	at	NA	BB210656	NA	NA	4.450	4.500	4.932	4.645	4.687	4.590	4.623	4.548	4.564	4.550	4.636	4.650	4.604	4.795	4.569	4.681	4.872	4.812	4.615	4.681	4.613	5.218	4.690	4.600
1458690	at	7-Mar	BB079254	Mm.260635	2	7.941	7.933	7.862	7.705	8.006	8.124	7.808	8.043	8.019	7.939	7.579	8.169	7.965	7.833	7.955	7.954	8.237	8.009	8.057	7.952	8.157	8.416	8.150	7.822
1458691	at	NA	BI134970	NA	NA	7.558	7.314	7.549	7.664	7.509	7.519	7.700	7.615	7.450	7.162	7.579	7.394	7.538	7.444	7.674	7.606	7.236	7.581	7.494	7.697	7.656	7.749	7.444	7.560
1458692	at	NA	BB474830	NA	NA	6.240	6.010	6.348	6.257	6.254	6.216	6.344	6.469	6.037	6.147	6.378	6.110	6.172	6.251	6.202	6.282	6.244	6.126	6.320	6.433	6.193	6.183	6.376	6.345
1458693	at	NA	BB461850	NA	NA	5.476	5.190	5.731	5.648	5.503	5.479	5.553	5.411	5.507	5.328	5.680	5.370	5.357	5.532	5.370	5.481	5.571	5.444	5.569	5.673	5.523	5.469	5.676	5.556
1458694	at	NA	AI789011	NA	NA	6.829	7.041	7.021	6.804	6.838	6.982	7.063	6.788	6.845	6.753	6.612	6.916	6.938	6.834	6.797	7.028	7.050	6.952	7.041	7.057	6.846	6.606	6.769	7.021
1458695	at	Zbtb10	AI505328	Mm.103262	3	6.784	6.631	6.711	6.738	6.780	6.679	6.835	6.901	6.741	6.686	6.672	6.730	6.822	6.767	6.745	6.732	6.781	6.919	6.756	6.620	6.776	6.926	6.714	6.685
1458696	at	Actr1a	BF018834	Mm.3118	19	5.325	5.349	5.546	5.548	5.423	5.375	5.937	5.536	5.531	5.282	5.578	5.323	5.526	5.483	5.467	5.421	5.454	5.439	5.528	5.616	5.319	5.228	5.552	5.405
1458697	at	NA	AW492692	NA	NA	6.162	6.056	5.926	6.195	6.027	6.224	6.176	6.063	5.981	5.832	6.101	5.805	5.955	5.989	6.251	6.182	6.086	6.231	6.373	6.299	6.443	5.922	6.248	6.098
1458698	at	NA	BE984977	NA	NA	5.934	5.924	5.938	6.029	5.653	6.554	5.744	5.903	5.895	5.581	5.864	5.561	5.845	5.727	5.652	5.738	5.596	5.653	5.778	5.921	5.799	5.774	5.919	5.854
1458699	at	NA	BB439194	NA	NA	5.915	6.191	5.738	5.631	5.484	5.755	5.580	5.716	5.762	5.645	6.027	5.472	5.699	5.379	5.550	6.093	5.601	5.287	5.736	5.669	5.657	5.644	5.902	5.438
1458700	at	NA	BG793487	NA	NA	8.275	8.059	8.348	7.905	8.187	8.048	7.846	7.923	7.754	7.793	8.257	7.977	7.772	7.807	8.013	8.339	7.912	7.876	7.754	8.087	7.799	8.091	8.618	8.365
1458701	at	Prei4	B8550273	Mm.211211	2	8.457	7.856	9.183	8.549	8.233	9.385	9.269	7.813	7.340	7.527	7.334	8.011	7.719	7.509	7.900	9.242	9.264	9.250	8.970	9.411	9.223	9.351	8.945	9.036
1458702	at	2610316D01Rik	AV170309	Mm.140700	3	5.721	5.290	5.534	5.610	5.478	5.371	5.516	5.423	5.569	5.251	5.494	5.269	5.439	5.440	5.453	5.499	5.418	5.477	5.600	5.691	5.555	5.323	5.667	5.487
1458703	at	NA	BM212835	NA	NA	6.740	6.631	6.368	6.719	6.760	6.977	6.869	6.915	6.976	6.548	6.899	6.796	6.686	6.969	6.612	5.549	6.907	6.602	6.773	6.728	6.600	6.607	6.628	
1458704	at	NA	AI452119	NA	NA	6.409	6.031	6.505	6.529	6.334	6.594	6.313	6.397	6.321	6.291	6.226	6.275	6.550	6.336	6.169	6.402	6.625	6.601	6.744	6.770	6.426	6.639	6.575	6.428
1458705	at	1700031C06Rik	BB327733	NA	14	5.896	5.492	5.817	5.829	5.596	5.580	5.750	5.703	5.476	5.598	5.626	5.409	5.795	5.664	5.706	5.678	5.681	5.540	5.624	5.548	5.726	5.736	5.853	5.763
1458706	at	NA	AW494074	NA	NA	6.868	6.766	6.363	6.758	6.695	7.114	6.642	6.987	6.976	6.831	6.621	7.276	7.227	6.873	6.873	6.529	6.607	6.723	6.775	7.112	6.877	7.085	7.082	6.610
1458707	at	Nhrk3	BM236327	Mm.33496	7	6.877	7.125	6.837	7.543	7.434	7.854	7.703	7.430	7.493	7.339	7.478	7.530	7.430	7.502	7.493	7.502	7.493	7.502	7.493	7.502	7.493	7.502	7.493	7.502
1458708	at	NA	AI503983	NA	NA	8.881	8.945	9.086	8.855	8.874	8.898	8.892	8.719	8.848	8.925	8.677	8.528	8.606	8.807	9.071	8.637	8.797	8.869	8.842	8.846	8.842	8.846	8.842	8.846
1458709	a	Atxn711	AV274470	Mm.41540	12	6.389	6.130	6.459	6.466	6.356	6.404	6.511	6.149	6.201	6.251	6.408	5.885	5.905	6.287	6.173	6.207	6.437	6.240	6.602	6.252	6.403	6.240	7.390	6.555
1458710	at	NA	B8550311	NA	NA	7.492	7.562	7.492	7.516	7.636	7.541	7.543	7.541	7.499	7.477	7.305	7.414	7.872	7.584	7.652	7.473	7.632	7.285	7.460	7.421	7.462	7.587	7.736	7.582
1458711	at	NA	BB762344	NA	NA	6.584	6.256	6.735	6.640	6.523	6.811	6.755	6.472	6.308	6.187	6.863	6.622	6.440	6.597	6.764	6.381	6.232	6.529	6.357	6.740	6.471	6.573	6.885	6.952
1458712	at	NA	BB324785	NA	NA	4.541	4.341	4.404	4.272	4.354	4.234	4.276	4.316	4.225	4.366	4.381	4.347	4.429	4.209	4.540	4.564	4.408	4.374	4.282	4.295	4.390	4.542	4.648	4.497
1458713	at	NA	AI503506	NA	NA	4.234	4.089	4.284	4.414	4.157	4.411	4.235	4.127	4.307	4.311	4.318	4.061	4.287	4.349	4.149	4.387	4.261	4.029	4.332	4.427	4.335	4.471	4.284	4.030
1458714	at	1700093C20Rik	BB273442	Mm.460423	8	4.440	4.501	4.533	4.375	4.649	4.261	4.460	4.534	4.621	4.489	4.610	4.361	4.545	4.513	4.477	4.390	4.369	4.477	4.454	4.496	4.379	4.473	4.503	4.503
1458715	at	BG065620	BB784977	Mm.281379	3	5.922	5.696	5.583	5.930	5.808	5.940	5.828	5.938	5.715	5.793	7.345	5.945	5.995	5.982	5.628	5.719	5.686	5.672	5.572	5.587	5.525	5.587	5.525	5.590
1458716	at	D95u27	BB376480	Mm.35315	1	7.967	8.423	8.117	7.698	8.048	7.883	7.854	7.767	8.234	8.810	9.648	8.567	8.390	8.387	9.066	8.175	7.617	8.033	8.161	8.218	7.554	7.196	7.787	8.618
1458717	at	C030001515Rik	AI481380	Mm.148033	16	4.666	4.405	4.582	4.659	4.445	4.639	4.639	4.584	4.657	4.421	4.544	4.269	4.568	4.567	4.684	4.492	4.662	4.470	4.699	4.682	4.571	4.752	4.609	4.675
1458718	at	NA	BE634580	NA	NA	6.137	6.015	5.744	5.710	5.817	6.019	6.012	5.790	5.965	5.869	5.870	5.894	5.670	6.037	5.924	5.922	5.978	5.876	5.647	6.069	6.177	5.886	5.927	6.062
1458719	at	NA	BM233846	NA	NA	6.802	6.641	6.680	6.664	6.631	6.779	6.578	6.662	6.650	6.588	6.569	6.551	6.591	6.574	6.632	6.761	6.568	6.823	6.728	6.830	6.647	6.679	6.743	6.641
1458720	at	D9ErtD356e	BG066985	NA	9	6.358	5.845	6.214	6.127	5.822	6.021	6.002	5.940	5.870	5.862	6.047	6.111	6.061	5.786	6.109	6.148	6.158	5.965	5.943	6.084	6.233	5.963	6.054	6.276
1458721	at	Pcdha12	BG077332	Mm.247203	18	7.914	7.446	8.002	7.963	7.576	7.954	8.185	7.510	7.386	7.770	7.457	7.804	7.833	7.389	7.601	8.301	8.094	8.021	7.877	8.198	7.643	8.067	7.732	7.621
1458722	at	NA	AW550819	NA	NA	5.719	6.148	5.984	5.988	5.988	5.988	5.876	5.876	5.876															

1458770	at	D11ErtId4e	C76242	NA	11	5.918	6.016	5.990	6.268	6.053	6.112	6.074	6.272	5.893	6.147	5.969	6.134	6.127	6.015	6.032	5.949	6.042	6.202	6.109	6.375	5.924	6.237	6.270
1458771	at	NA	BG067744	NA	NA	5.316	4.985	5.114	5.044	4.666	5.289	5.178	5.179	4.995	5.130	5.202	5.028	5.141	5.210	5.175	5.306	5.310	5.141	5.127	5.145	5.234	5.220	5.022
1458772	at	NA	BB456450	NA	NA	4.747	4.441	4.825	4.470	4.672	4.658	4.852	4.516	4.868	4.543	4.654	4.645	4.538	4.622	4.348	4.844	4.692	4.563	4.751	4.631	4.740	4.584	4.619
1458773	at	NA	BG072304	NA	NA	6.660	7.032	6.631	6.773	6.888	6.526	6.621	6.763	6.823	6.451	6.837	6.314	6.667	6.615	6.553	6.700	6.536	6.403	6.399	6.397	6.696	6.581	6.866
1458774	at	D10ErtId584e	AU029374	NA	10	5.137	5.266	5.257	5.245	5.049	4.952	5.040	5.130	5.243	5.121	5.022	4.987	5.141	4.987	5.141	5.070	5.169	5.016	5.167	5.254	5.073	5.240	5.165
1458775	at	NA	AW556917	NA	NA	6.128	5.946	6.013	6.023	5.759	5.745	6.118	6.099	6.013	5.981	5.168	5.992	5.982	5.980	6.093	6.061	5.873	6.039	5.968	5.979	5.947	6.179	5.902
1458776	at	NA	BG070162	NA	NA	4.966	4.744	4.934	5.091	4.924	4.896	4.954	5.042	4.945	4.789	5.068	4.780	5.050	4.901	4.984	4.910	4.975	4.823	4.962	5.067	4.983	4.971	5.104
1458777	at	Slc18a1	BG068849	Mm.19301	8	4.286	3.794	4.168	4.107	4.056	4.080	4.102	4.102	4.049	3.947	4.203	4.132	4.014	4.100	4.100	4.234	4.092	4.059	4.143	4.181	4.121	3.933	4.248
1458778	at	NA	BM939280	NA	NA	4.649	4.748	4.624	4.590	4.451	4.484	4.685	4.907	4.983	4.750	4.675	4.610	4.672	4.717	4.656	4.539	4.505	4.852	4.627	4.708	4.673	4.820	4.418
1458779	at	8030445P17Rik	BB127279	NA	1	4.585	4.455	4.583	4.553	4.494	4.731	4.714	4.591	4.576	4.686	4.494	4.377	4.467	4.397	4.610	4.723	4.393	4.605	4.588	4.753	4.359	4.555	4.802
1458780	at	D8ErtId620e	BG070109	Mm.411676	8	6.091	5.744	5.997	5.900	5.974	6.060	6.150	6.174	6.045	5.700	6.060	5.845	6.027	6.092	6.072	6.091	6.137	5.883	6.022	6.102	6.057	5.817	6.146
1458781	at	NA	BG072495	NA	NA	6.979	7.295	7.085	7.058	7.262	6.893	6.858	6.883	7.449	7.271	7.397	7.010	7.127	7.399	7.163	7.208	6.742	6.925	7.186	7.386	6.959	7.033	7.302
1458782	at	NA	BG067922	NA	NA	5.121	4.935	5.176	5.042	5.108	5.241	5.326	5.123	5.208	4.961	5.066	5.182	5.089	5.095	5.271	5.240	5.151	4.910	5.292	5.163	5.307	5.138	5.074
1458783	at	NA	BG070203	NA	NA	4.723	4.663	4.392	4.710	4.723	4.618	4.652	4.618	4.763	4.581	4.658	4.492	4.601	4.699	4.669	4.755	4.670	4.532	4.607	4.584	4.828	4.615	4.868
1458784	at	C78148	BG066135	NA	12	7.747	7.541	7.840	7.742	7.736	7.548	7.745	7.857	7.939	7.660	7.851	7.564	7.544	7.751	7.710	7.866	7.745	7.898	7.836	7.763	7.855	7.540	7.876
1458785	at	NA	BB204104	NA	NA	7.517	7.142	7.419	7.427	7.425	7.367	7.503	7.474	7.269	7.240	7.666	7.073	7.301	7.396	7.239	7.529	7.297	7.305	7.311	7.416	7.528	7.392	7.467
1458786	at	C79250	BG066462	NA	3	6.583	6.234	6.579	6.554	6.423	6.507	6.505	6.464	6.430	6.258	6.653	6.209	6.354	6.558	6.424	6.508	6.257	6.444	6.502	6.685	6.459	6.356	6.602
1458787	at	NA	BM202423	NA	NA	5.511	5.084	5.157	5.383	5.164	5.121	5.195	4.973	5.045	4.934	5.144	5.037	5.144	5.113	5.216	5.120	4.983	5.137	5.371	5.434	5.034	4.991	5.166
1458788	at	NA	BB234343	NA	NA	6.114	6.284	6.082	6.426	6.288	6.420	6.162	6.206	6.296	6.216	6.272	6.355	6.218	6.255	6.193	6.369	6.178	6.226	6.193	6.255	6.240	6.225	6.311
1458789	at	NA	BG060852	NA	NA	5.484	4.890	5.061	5.353	5.035	5.208	5.139	5.425	5.126	4.991	5.266	5.063	4.966	5.224	5.189	5.239	5.214	5.271	5.170	5.270	5.262	5.298	5.344
1458790	at	NA	BG070607	NA	NA	4.408	4.374	4.610	4.267	4.272	4.311	4.427	4.572	4.553	4.184	4.301	4.464	4.582	4.413	4.097	4.419	4.662	4.222	4.445	4.436	4.416	4.375	4.441
1458791	at	AU015849	BG070395	NA	16	4.747	4.655	4.639	4.714	4.595	4.711	4.681	4.596	4.608	4.497	4.737	4.433	4.749	4.559	4.606	4.621	4.575	4.822	4.524	4.816	4.621	4.579	4.687
1458792	at	D12ErtId208e	BG066304	NA	12	6.719	6.438	6.601	6.651	6.539	6.606	6.809	6.508	6.613	6.545	6.667	6.583	6.507	6.591	6.576	6.695	6.673	6.391	6.675	6.606	6.685	6.365	6.618
1458793	at	NA	BG076186	NA	NA	8.039	7.851	7.928	8.007	7.980	8.053	7.994	8.026	8.187	7.884	8.125	8.000	8.244	7.977	8.032	7.939	8.198	7.923	8.003	8.201	7.880	7.834	8.050
1458794	at	NA	BG067309	NA	NA	5.256	5.074	4.956	5.137	5.043	5.038	4.949	5.091	4.903	4.959	5.263	4.953	5.135	5.130	4.944	5.121	5.148	5.215	5.132	5.095	5.117	5.043	5.131
1458795	at	NA	BG066342	NA	NA	5.479	5.221	5.288	4.585	5.105	5.344	5.365	5.265	5.187	5.394	5.458	5.158	5.231	5.260	5.166	5.215	5.335	5.437	5.165	5.391	5.461	5.315	5.491
1458796	at	NA	BG067349	NA	NA	5.738	5.397	5.574	5.592	5.738	5.499	5.722	5.598	5.357	5.498	5.692	5.357	5.560	5.692	5.566	5.692	5.566	5.692	5.566	5.692	5.566	5.692	5.566
1458797	at	NA	C8061	NA	NA	6.189	6.078	6.227	6.132	6.088	6.062	6.265	6.285	6.155	6.265	6.181	6.155	6.295	6.156	6.265	6.181	6.155	6.265	6.181	6.155	6.265	6.181	6.155
1458798	at	NA	B1076817	NA	NA	6.603	6.602	6.830	6.786	6.681	6.701	6.681	6.464	6.701	6.626	6.438	6.657	6.907	6.472	6.700	6.608	6.793	6.992	6.573	6.754	6.655	6.801	6.744
1458799	at	A330033307Rik	BG067329	Mm.173009	13	4.946	4.668	4.544	4.613	4.562	4.526	4.796	4.686	4.691	4.505	4.740	4.585	4.636	4.695	4.711	4.707	4.705	4.857	4.712	4.700	4.654	4.697	4.803
1458800	at	NA	BG073675	NA	NA	5.445	5.267	5.548	5.445	5.355	5.607	5.412	5.427	5.227	5.378	5.499	5.344	5.413	5.248	5.578	5.620	5.380	5.334	5.305	5.355	5.457	5.612	5.439
1458801	at	AU022320	BG068215	NA	3	5.795	5.342	5.414	5.555	5.713	5.767	5.744	5.575	5.587	5.636	5.856	5.544	5.702	5.732	5.692	5.678	5.568	5.581	5.506	5.769	5.828	5.839	5.890
1458802	at	Hivep3	BB164127	Mm.302758	4	7.433	8.001	7.254	6.821	7.406	7.116	7.053	7.837	8.073	8.113	8.736	7.909	7.853	7.907	7.777	7.310	7.019	7.007	7.214	6.578	5.953	6.746	6.201
1458803	at	Sfn9	BB837976	Mm.270253	11	7.079	7.169	7.183	7.131	7.179	7.049	7.105	7.382	7.174	6.969	7.245	7.082	7.167	7.214	7.013	7.208	7.292	7.207	7.173	7.258	7.256	7.262	7.174
1458804	at	NA	BG066352	NA	NA	4.338	4.279	4.387	4.259	4.373	4.219	4.176	4.225	4.247	4.991	4.408	4.386	4.392	4.224	4.204	4.234	4.100	4.211	4.068	4.292	4.248	4.118	4.459
1458805	at	NA	BG071540	NA	NA	5.285	4.928	5.067	5.158	5.148	5.148	5.289	5.096	5.300	5.131	5.389	5.119	5.020	5.182	5.240	5.224	5.025	5.105	5.233	5.100	5.175	5.078	5.158
1458806	at	NA	BG072069	NA	NA	5.495	5.027	5.575	5.466	5.381	5.494	5.509	5.422	5.394	5.411	5.548	5.625	5.542	5.360	5.376	5.330	5.336	5.501	5.554	5.460	5.507	5.374	5.519
1458807	at	Epb4.1	AI606195	Mm.30038	4	7.802	7.275	7.815	7.867	7.750	7.836	7.725	7.193	7.152	7.077	7.413	7.393	7.461	7.491	7.667	7.733	7.769	7.958	7.809	7.899	7.882	7.791	8.036
1458808	at	NA	BG068777	NA	NA	4.041	3.808	3.935	3.873	3.962	3.830	3.948	4.080	3.925	3.888	3.888	3.906	4.104	3.923	3.886	3.773	3.873	3.993	4.054	3.988	3.894	4.055	3.942
1458809	at	NA	BG073424	NA	NA	6.057	6.300	6.332	6.179	6.132	6.273	6.403	5.932	6.210	6.321	6.212	6.256	6.344	6.335	6.138	6.250	6.122	6.206	6.217	6.147	5.996	5.981	6.033
1458810	at	NA	BG068746	NA	NA	4.508	4.262	4.475	4.648	4.508	4.565	4.602	4.401	4.483	4.438	4.398	4.345	4.475	4.511	4.246	4.509	4.419	4.476	4.634	4.610	4.722	4.673	4.575
1458811	at	NA	BB462600	NA	3	4.594	4.445	4.557	4.474	4.588	4.809	4.589	4.488	4.823	4.488	4.684	4.354	4.577	4.565	4.567	4.658	4.567	4.658	4.567	4.658	4.567	4.658	4.567
1458812	at	NA	AV251161	NA	9	6.151	5.911	6.144	6.293	6.141	5.972	6.066	5.867	6.120	6.032	6.230	5.712	6.211	4.900	6.050	6.137	6.132	6.342	6.280	6.280	6.280	6.280	6.280
1458813	at	Scn5a	BB516098	Mm.103584	9	1																						

1458859	at	NA	BG068086	NA	NA	3.831	3.600	3.939	3.765	3.828	3.873	3.934	3.784	3.634	3.783	3.747	3.709	3.834	3.711	3.782	3.843	3.874	3.931	3.942	3.916	3.855	3.925	4.006	3.932	
1458860	at	NA	BG067584	NA	NA	6.859	6.361	6.797	6.796	6.680	6.620	6.675	6.871	6.731	6.525	6.611	6.543	6.776	6.622	6.624	6.753	6.692	6.860	6.793	6.944	6.671	6.805	6.950	7.031	
1458861	at	NA	BE980547	NA	NA	7.339	6.925	7.151	7.116	6.820	6.929	7.174	7.012	7.066	7.053	7.214	6.938	6.923	7.145	7.009	7.026	6.993	7.045	7.132	7.213	7.007	7.011	7.035	6.959	
1458862	at	C78704	BG068622	MM.441752	13	7.168	7.088	7.101	7.033	7.018	7.131	7.320	7.064	7.116	6.970	7.227	6.982	7.126	7.071	7.113	7.232	6.981	7.128	7.018	7.296	7.170	7.209	7.245	7.097	
1458863	at	B330415G19Rik	BB198972	MM.445111	17	7.020	7.304	6.819	6.989	7.111	7.076	7.012	7.140	7.113	6.933	6.966	7.018	6.862	6.795	6.986	6.924	7.115	7.132	6.805	7.084	7.103	7.115	7.058	6.804	
1458864	at	NA	BG067746	NA	NA	6.737	6.501	6.690	6.749	6.404	6.497	6.670	6.777	6.618	6.488	6.721	6.598	6.688	6.546	6.596	6.656	6.628	6.528	6.573	6.804	6.826	6.792	6.637		
1458865	at	NA	BG066637	NA	NA	4.352	4.067	4.183	4.102	4.198	4.209	4.190	4.313	3.987	4.117	4.101	4.172	3.971	4.235	4.245	4.169	4.276	4.107	4.169	4.434	4.108	4.235	4.464	2.688	
1458866	at	Tmem215	BB277030	MM.156365	4	5.886	5.571	5.825	5.535	5.638	5.715	5.856	5.347	5.653	5.464	5.301	5.585	5.579	5.476	5.744	5.828	5.620	5.531	5.972	5.862	5.625	5.481	5.827	5.636	
1458867	at	Edi3	BG071949	MM.125580	13	4.196	3.974	4.154	4.098	4.114	4.365	4.268	3.958	4.219	3.949	4.403	4.050	4.135	4.129	4.316	4.203	4.415	4.187	4.384	4.302	4.145	3.963	4.040	4.222	
1458868	at	NA	AV352179	NA	NA	6.389	6.016	6.132	6.052	5.991	6.478	6.484	5.512	5.484	5.623	5.851	5.580	5.846	5.602	5.913	6.306	5.635	5.845	6.224	5.918	5.576	5.655	6.386	6.158	
1458869	at	Z900076A13Rik	MM.439579	2	7.155	7.305	7.155	7.292	7.393	7.308	7.284	7.274	7.579	7.537	7.546	7.215	7.284	7.166	7.428	7.343	7.208	7.313	7.106	7.418	7.084	6.948	7.125	7.232	7.088	
1458870	x at	Mycb2	BG063658	MM.5478	14	6.434	6.358	6.409	6.577	6.457	6.253	6.336	6.684	6.518	6.261	6.596	6.057	6.544	6.495	6.344	6.392	6.606	6.386	6.353	6.699	6.571	6.297	6.560	6.454	
1458871	at	TMoss11e	BB148290	MM.130801	5	4.121	4.008	4.020	3.989	4.021	4.158	4.045	4.210	4.058	4.135	4.121	4.040	3.946	3.937	4.036	3.935	3.946	4.045	3.919	4.240	4.128	4.007	4.073	3.905	
1458872	at	NA	BG071837	NA	NA	7.369	6.972	7.346	7.363	7.230	7.321	7.387	7.183	7.152	7.054	7.265	7.251	7.304	7.215	7.278	7.360	7.192	7.208	7.175	7.449	7.325	7.167	7.523	7.472	
1458873	at	Aspm	BB203904	MM.168523	1	6.816	6.375	6.625	6.330	6.292	6.462	6.382	6.501	6.640	6.450	6.784	6.158	6.506	6.607	6.483	6.368	6.468	6.168	6.324	6.755	6.524	6.359	6.493	6.531	
1458874	at	NA	AW125210	NA	NA	5.880	5.940	6.192	6.078	6.160	5.957	6.117	6.049	5.979	6.064	6.212	6.082	6.178	5.995	6.085	6.234	6.139	6.209	6.186	6.272	6.215	6.055	6.157	6.113	
1458875	at	NA	BG070917	NA	NA	6.213	5.839	6.051	5.975	5.979	5.893	5.970	5.999	6.000	5.730	6.000	5.738	6.132	5.966	6.089	6.004	6.038	6.117	6.125	6.046	5.896	6.007	6.051	6.044	
1458876	at	NA	BM198389	NA	NA	8.173	7.322	7.491	6.947	6.945	6.906	7.554	6.312	6.913	7.067	7.609	6.444	6.322	6.150	6.795	7.512	6.168	5.947	5.930	6.262	6.654	5.835	6.853	6.418	
1458877	at	NA	AW492245	NA	NA	5.815	5.240	5.304	5.371	5.241	5.667	5.401	5.218	5.148	5.277	5.280	5.194	5.202	5.262	5.302	5.444	5.163	5.325	5.320	5.663	5.440	5.305	5.276	5.297	
1458878	at	Yes1	AV347842	MM.4558	5	6.462	5.920	6.559	5.985	6.434	6.611	6.297	6.647	5.993	6.506	6.748	6.422	6.412	6.346	6.750	6.434	6.523	6.410	6.746	6.871	6.419	6.633	6.218	6.468	
1458879	at	C76798	BG066751	NA	NA	4.513	5.736	5.415	5.448	5.665	5.665	5.477	5.579	5.511	5.485	5.547	5.698	5.424	5.644	5.628	5.404	5.572	5.554	5.312	5.147	5.545	5.559	5.547	5.401	
1458880	at	NA	BG069393	NA	NA	7.105	6.498	6.849	7.002	6.860	6.839	7.051	6.959	6.798	6.712	6.729	6.785	6.761	6.784	6.822	6.875	6.825	6.920	6.850	7.064	7.020	6.813	6.837	7.007	
1458881	at	9530001P21Rik	BB106562	NA	13	7.725	7.154	7.740	7.293	7.473	7.653	7.518	7.360	7.230	7.378	7.477	7.265	7.334	7.453	7.733	7.659	7.730	7.451	7.603	7.804	7.558	7.299	7.551	7.916	
1458882	at	Serpinb8	BB049357	MM.83909	1	4.567	5.093	4.792	4.669	4.654	4.833	4.714	4.767	4.450	4.638	4.508	4.789	4.733	5.058	4.530	4.803	4.392	4.501	4.674	4.587	4.374	4.525	4.623	4.560	
1458883	at	NA	BG071195	NA	NA	4.059	4.057	4.022	3.979	3.938	4.033	4.038	3.960	4.045	3.924	3.908	3.953	3.848	3.974	3.988	3.920	4.100	3.907	4.086	4.024	4.064	4.043	3.968	4.090	
1458884	at	Plekha1	BB475301	MM.323554	7	5.908	5.785	6.051	5.726	5.613	5.785	5.836	5.182	6.088	6.198	6.047	6.363	6.164	6.023	6.005	5.920	6.199	6.129	6.023	6.047	6.049	5.176	6.172	5.900	
1458885	at	NA	BG071947	NA	NA	5.909	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	
1458886	at	NA	BG071947	NA	NA	5.909	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	5.552	5.643	5.598	
1458887	at	Tctf21	AV320456	MM.16497	10	7.015	6.666	6.805	6.897	7.070	6.911	6.884	6.895	6.877	6.600	6.995	6.724	6.870	6.862	6.860	6.886	6.826	6.870	6.919	6.919	6.715	6.968	6.818		
1458888	at	OTMUSG000000	AV204118	MM.467767	11	5.328	5.325	5.381	5.386	5.307	5.442	5.443	5.443	5.441	5.413	5.561	5.346	5.445	5.169	5.457	5.292	5.860	5.713	5.623	5.541	5.406	5.307	5.458	5.641	
1458889	at	Evl	BB522862	MM.207605	12	5.901	6.043	5.729	5.855	5.738	5.910	5.826	6.105	6.101	5.851	5.927	5.913	5.818	5.931	5.900	5.822	6.121	5.911	5.973	5.479	6.094	6.133	5.671	5.674	
1458890	at	D030055H07Rik	AV323572	MM.444886	9	6.725	6.051	6.490	6.482	6.361	6.489	6.470	6.397	6.490	6.389	6.600	6.389	6.333	6.434	6.452	6.469	6.553	6.229	6.484	6.472	6.792	6.680	6.426	6.794	6.499
1458891	at	NA	BB320973	NA	NA	6.433	6.230	6.375	6.025	6.347	6.386	6.355	6.252	6.530	6.618	5.652	6.334	6.474	6.271	6.251	6.503	6.500	6.458	6.416	6.422	6.352	6.255	6.202	6.345	6.289
1458892	at	9430047G12Rik	BB094583	NA	8	8.974	8.213	9.029	9.047	8.446	8.624	8.851	8.377	7.899	8.268	7.959	8.121	8.007	7.858	8.175	8.983	8.808	9.147	8.512	8.860	8.231	8.836	8.414	8.044	
1458893	at	NA	BB094583	NA	NA	7.909	7.267	7.903	7.470	7.374	7.935	7.370	7.422	7.987	7.358	7.322	7.328	7.390	7.349	7.349	7.468	7.354	7.354	7.468	7.354	7.354	7.468	7.354	7.354	
1458894	at	NA	BB404534	NA	NA	4.835	4.819	4.802	5.007	4.862	4.828	5.113	4.855	4.866	4.871	4.895	4.784	4.837	4.944	4.877	4.949	4.784	4.874	4.824	4.984	4.891	4.595	4.992	4.976	
1458895	at	Ard1b	AV283947	MM.11746	5	7.408	6.987	6.971	7.089	6.717	6.935	7.045	6.964	6.822	6.736	7.048	6.803	7.010	6.781	7.015	6.984	7.017	6.953	6.952	7.010	6.963	6.794	7.021	7.407	
1458896	at	Gmeb1	BB279987	MM.103489	4	7.303	7.078	7.449	7.409	7.098	7.376	7.376	7.268	6.974	7.195	7.159	7.074	7.118	7.254	7.246	7.366	7.290	7.222	7.282	7.328	7.456	7.378	7.424	7.477	
1458897	at	Ust	BB794320	MM.41163	10	8.550	8.375	8.490	8.577	8.391	8.450	8.443	8.494	8.594	8.458	8.484	8.395	8.541	8.498	8.385	8.574	8.306	8.314	8.452	8.508	8.512	8.229	8.490	8.487	
1458898	at	NA	C77876	MM.475703	NA	6.058	5.639	5.941	5.939	5.902	5.940	5.982	6.008	5.771	5.972	6.057	5.934	5.885	5.885	5.928	5.882	6.025	6.065	5.947	6.107	5.983	5.855	5.976	6.045	
1458899	at	Usp53	AV320152	MM.475703	3	6.958	7.692	6.962	6.630	6.674	6.794	6.749	6.691	7.499	7.160	7.936	6.988	6.982	7.162	7.414	6.887	7.724	7.468	7.000	6.561	6.481	6.789	6.723	6.841	
1458900	at	NA	BG071947	NA	NA	5.909	5.643	5.598	5.552	5.643	5																			

1458948	at	Phyhipl	BB798482	Mm.181061	10	6.996	6.679	6.729	6.693	6.574	6.617	6.578	6.550	6.615	6.531	6.614	6.458	6.580	6.614	6.361	6.727	6.620	6.538	6.680	6.591	6.716	6.682	6.835	6.645
1458949	at	5330434G04Rik	BB750951	Mm.388967	X	5.496	5.303	5.438	5.293	5.543	5.723	5.451	5.350	5.173	5.344	5.344	5.393	5.298	5.266	5.365	5.470	5.554	5.340	5.617	5.511	5.496	5.134	5.395	5.304
1458950	at	NA	AU016651	NA	NA	6.459	6.241	6.639	6.420	6.561	6.398	6.568	6.550	6.389	6.173	6.483	6.267	6.460	6.534	6.346	6.499	6.552	6.455	6.464	6.698	6.491	6.334	6.511	6.545
1458951	at	Vrk1	AV341598	Mm.2981	12	7.064	7.143	7.074	7.086	7.159	7.268	7.147	7.008	7.119	6.882	6.988	6.765	6.798	6.975	6.959	7.302	7.058	6.986	7.174	7.230	7.149	7.196	7.191	7.222
1458952	at	Wbfy2	C77735	Mm.332522	5	7.197	7.610	7.273	7.380	7.681	7.248	7.744	7.820	7.687	7.757	7.771	7.631	7.752	7.730	7.743	7.621	7.822	7.732	7.822	7.764	7.823	7.855	7.898	7.781
1458953	at	D5Ert215se	BG063633	NA	NA	6.207	5.993	5.913	6.094	5.918	5.959	6.078	5.917	6.200	6.018	5.979	6.037	6.070	5.945	6.026	5.951	5.990	6.132	6.194	6.052	6.052	5.917	6.083	6.095
1458954	at	AW455375	MM.389537	4	5.909	5.368	5.861	5.534	5.520	5.751	5.773	5.649	5.511	5.544	5.530	5.478	5.579	5.603	5.598	5.802	5.589	5.839	5.477	5.751	5.627	5.906	5.681	5.716	
1458955	at	Eef1a	BG069695	Mm.247762	19	4.401	4.570	4.808	4.719	4.644	4.585	4.539	4.700	4.635	4.612	4.494	4.522	4.602	4.590	4.680	4.673	4.586	4.724	4.659	4.604	4.586	4.606	4.556	4.657
1458956	at	Pitnm3	AW045889	Mm.351793	11	6.554	6.277	6.421	6.396	6.343	6.533	6.425	6.450	6.300	6.266	6.474	6.253	6.410	6.331	6.439	6.520	6.564	6.614	6.859	6.447	6.353	6.495	6.365	6.360
1458957	at	NA	AU024454	NA	NA	6.994	6.588	6.851	6.747	6.669	6.529	6.792	6.782	6.607	6.613	6.929	6.778	6.722	6.762	6.847	6.923	6.752	6.626	6.850	6.945	6.785	6.658	6.936	6.925
1458958	at	Nope	BB078840	Mm.209041	9	5.455	5.563	5.369	5.365	5.542	5.357	5.505	5.488	5.533	5.325	5.491	5.539	5.583	5.482	5.432	5.572	5.774	5.419	5.473	5.595	5.494	5.498	5.463	5.477
1458959	at	Aff4	BB233318	Mm.395281	11	5.839	5.660	5.871	5.897	5.856	5.797	5.835	5.873	5.987	5.877	5.885	5.839	6.035	5.873	5.845	5.903	5.968	5.866	5.921	6.085	5.844	5.941	5.843	5.837
1458960	at	NA	BM942477	NA	NA	6.342	6.084	6.203	6.209	5.974	6.223	6.311	6.267	6.054	5.910	6.287	5.990	6.138	6.068	6.056	6.220	6.061	6.028	6.193	6.438	6.633	6.159	6.326	6.206
1458961	at	Eva3	BB203079	Mm.227733	4	3.995	3.978	3.963	3.798	4.134	3.957	3.902	3.896	3.922	3.989	3.953	3.960	3.840	4.018	3.838	3.955	3.971	3.826	3.943	3.971	4.060	3.868	4.04	3.927
1458962	at	Rntf1a	BB165865	Mm.422969	6	5.327	5.379	5.263	5.069	5.379	5.313	5.433	5.075	5.022	5.452	5.481	5.242	5.256	5.168	5.646	5.268	5.292	5.152	5.269	5.277	5.101	5.077	5.335	5.283
1458963	at	Ttc39b	BB397062	Mm.5540	4	5.639	5.815	5.510	5.712	5.496	5.496	5.580	5.249	5.926	5.645	5.653	5.483	5.780	5.913	5.472	5.724	5.392	5.515	5.549	5.508	5.365	5.291	5.679	5.445
1458964	at	NA	AW122554	NA	NA	5.816	5.591	5.614	5.735	5.697	5.796	5.728	5.745	5.855	5.666	5.789	5.572	5.832	5.751	5.534	5.579	5.557	5.873	5.592	5.970	5.897	5.864	5.794	5.717
1458965	at	NA	BF460687	NA	NA	5.107	5.179	5.629	5.445	5.264	5.646	5.662	5.340	5.268	5.500	5.496	5.302	5.530	5.372	5.480	5.281	5.431	5.563	5.436	5.680	5.474	5.403	5.399	5.460
1458966	at	C80278	BG066770	NA	7	4.609	4.403	4.482	4.347	4.318	4.151	4.364	4.225	4.245	4.167	4.324	4.221	4.302	4.046	4.591	4.355	4.306	4.398	4.292	4.294	4.209	4.273	4.365	4.157
1458967	at	NA	BM939341	NA	NA	5.435	5.214	5.444	5.363	5.443	5.515	5.455	5.299	5.510	5.194	5.484	5.403	5.230	5.381	5.444	5.433	5.300	5.468	5.325	5.664	5.534	5.368	5.459	5.549
1458968	at	C80283	BG066774	NA	X	6.719	6.524	6.577	6.681	6.696	6.680	6.571	6.531	6.751	6.789	6.755	6.665	6.827	6.681	6.647	6.658	6.398	6.740	6.737	6.686	6.804	6.657	7.004	6.718
1458969	at	AU019559	BG069506	NA	8	7.852	7.982	8.038	8.021	7.974	7.962	7.962	8.206	8.345	8.380	8.432	8.232	8.263	8.175	8.173	7.953	8.210	8.023	8.173	8.152	8.147	8.212	7.874	7.989
1458970	at	NA	BM934740	NA	NA	7.208	6.715	6.955	7.297	7.082	6.741	6.826	7.057	7.002	6.890	7.275	7.072	7.148	7.205	6.896	7.057	8.770	6.673	6.919	7.347	7.225	7.017	7.074	7.191
1458971	at	Aq2b1	AW493372	Mm.39053	11	6.586	6.438	6.550	6.484	6.465	6.389	6.642	6.680	6.506	6.354	6.590	6.499	6.217	6.499	6.546	6.558	6.674	6.567	6.579	6.445	6.552	6.542	6.665	6.674
1458972	at	9330112F2Rik	BM250288	NA	17	7.135	7.075	6.814	7.163	7.292	7.168	7.132	6.920	7.187	7.269	7.058	7.198	7.217	7.096	6.929	7.216	6.727	7.025	7.119	7.063	7.130	6.886	7.333	7.246
1458973	at	NA	BG071190	NA	NA	5.614	5.443	5.292	5.457	5.318	5.464	5.388	5.441	5.525	5.108	5.419	5.302	5.477	5.351	5.530	5.594	5.389	5.347	5.386	5.595	5.599	5.311	5.515	5.475
1458974	at	NA	BA245368	NA	NA	6.171	6.247	6.133	6.587	6.937	7.248	6.973	6.855	6.883	6.727	6.793	6.752	6.719	6.729	6.722	6.722	6.722	6.722	6.722	6.722	6.722	6.722	6.722	6.722
1458975	at	NA	AW490245	NA	NA	5.614	5.504	6.624	7.738	6.642	6.590	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588	6.588
1458976	at	C230035116Rik	BB636029	Mm.101501	13	6.102	5.722	6.083	6.064	6.024	5.858	6.049	6.367	5.868	6.014	6.095	6.064	5.948	5.874	6.076	5.988	6.597	6.421	6.096	6.166	6.459	6.374	6.611	5.966
1458977	at	A530021J07Rik	BB701524	Mm.5796	7	3.643	3.583	3.661	3.620	3.640	3.798	3.593	3.668	3.656	3.676	3.656	3.656	3.686	3.605	3.668	3.629	3.636	3.873	3.694	3.661	3.725	3.659	3.599	3.623
1458978	at	NA	BG144033	NA	NA	6.192	5.889	6.224	6.125	5.967	5.994	6.109	5.973	5.681	5.797	5.992	5.751	5.766	5.812	5.853	6.214	5.866	6.042	6.039	6.206	6.214	6.010	6.010	6.072
1458979	at	NA	BB332816	NA	NA	5.567	5.013	5.193	5.266	5.155	5.234	5.286	5.253	5.106	5.014	5.222	5.139	5.153	5.074	5.187	5.186	5.163	5.250	5.281	5.341	5.277	5.162	5.274	5.273
1458980	at	NA	BG064153	NA	NA	7.728	7.800	7.806	7.612	7.704	7.659	7.469	7.546	7.386	7.441	7.635	7.424	7.607	7.525	7.551	7.750	7.665	7.387	7.355	7.542	7.568	7.546	7.843	7.491
1458981	at	NA	BI465746	NA	NA	4.412	4.253	4.296	4.195	4.545	4.537	4.363	4.481	4.263	4.457	4.530	4.489	4.729	4.602	4.552	4.570	4.657	4.554	4.875	4.510	4.487	4.823	4.425	4.528
1458982	at	NA	AU014965	NA	9	5.233	4.851	4.474	4.383	4.479	4.305	4.594	4.230	4.840	4.264	4.485	4.025	4.542	5.005	4.836	5.208	5.005	4.836	5.005	4.836	5.005	4.836	5.005	4.836
1458983	at	AU015559	BG070312	NA	13	5.701	5.572	5.901	5.776	5.710	5.637	5.729	5.567	5.610	5.511	5.808	5.437	5.701	5.501	5.873	5.712	5.810	5.723	5.752	5.829	5.711	5.653	5.685	5.709
1458984	at	NA	BI794701	NA	NA	8.451	8.106	8.422	8.318	8.105	8.286	8.360	8.268	8.030	7.913	8.389	7.979	8.170	8.168	8.397	8.430	8.252	8.275	8.200	8.255	8.370	8.154	8.849	8.555
1458985	at	Fry	BG067701	Mm.216590	5	7.742	7.259	7.899	7.414	7.536	7.473	7.545	7.264	7.073	7.068	7.198	7.222	7.221	7.135	7.163	8.021	7.605	7.379	7.311	7.650	7.404	7.721	7.651	7.361
1458986	at	4930534H18Rik	AW489521	Mm.384088	16	4.622	4.591	4.734	4.650	4.565	4.616	4.847	4.739	4.610	4.469	4.476	4.600	4.568	4.719	4.608	4.618	4.509	4.473	4.611	4.598	4.606	4.616	4.524	4.524
1458987	at	Cdk7	BE981450	Mm.259718	13	7.557	7.239	7.401	7.349	7.371	7.361	7.392	7.271	7.193	7.374	7.321	7.212	7.400	7.400	7.381	7.474	7.441	7.413	7.587	7.604	7.412	7.255	7.454	7.327
1458988	at	NA	BB748595	NA	NA	6.323	6.086	6.256	6.413	6.345	6.176	6.076	6.222	6.261	6.098	6.156	6.079	6.175	6.296	6.110	6.335	6.448	6.150	6.223	6.480	6.398	6.292	6.487	6.224
1458989	at	NA	BG064363	NA	NA	6.674	6.798	6.613	6.636	6.742	6.620	6.677																	

1459037	at	Gm1614	BE954865	Mm.297784	18	4.467	4.152	4.444	4.529	4.398	4.293	4.383	4.767	4.580	4.355	4.339	4.544	4.475	4.353	4.381	4.436	4.496	4.412	4.501	4.424	4.533	4.439	4.547	4.432
1459038	at	NA	BE648367	NA	NA	5.169	5.110	5.186	5.109	5.101	4.936	5.123	4.995	4.953	4.846	5.350	5.044	5.289	5.098	5.031	5.194	4.832	5.070	5.269	5.162	5.109	5.075	5.621	5.126
1459039	at	NA	BE950916	NA	NA	4.423	4.478	4.579	4.517	4.431	4.422	4.481	4.428	4.325	4.116	4.475	4.444	4.413	4.423	4.503	4.555	4.420	4.398	4.467	4.324	4.407	4.518	4.576	4.335
1459040	at	NA	BG095152	NA	NA	6.400	6.103	6.415	6.332	6.290	6.294	6.318	6.329	6.324	6.219	6.432	6.132	6.391	6.047	6.385	6.186	6.252	6.418	6.345	6.470	6.306	6.381	6.361	6.360
1459041	at	NA	BE954892	NA	NA	4.080	3.232	3.991	3.681	3.896	3.986	3.914	3.887	3.925	3.902	3.920	3.935	3.807	3.851	3.974	3.864	4.149	4.167	3.983	3.851	3.953	3.940	3.874	
1459042	at	Rims3	AV160737	Mm.192502	4	5.694	5.501	5.605	5.678	5.536	5.54	5.703	5.731	5.666	5.510	5.793	5.539	5.721	5.711	5.51	5.472	5.604	5.473	5.760	5.732	5.620	5.568	5.719	5.588
1459043	at	NA	AW121242	NA	NA	5.914	5.449	5.906	5.588	5.715	5.673	5.984	5.588	5.548	5.693	5.698	5.609	5.704	5.890	5.742	5.583	5.790	5.911	6.069	5.839	5.712	5.810	5.716	5.838
1459044	at	AU015558	AU015558	Mm.25921	7	4.863	4.441	4.748	4.703	4.708	4.740	4.819	4.755	4.673	4.551	4.749	4.677	4.781	4.625	4.656	4.832	4.752	4.637	4.837	5.028	4.736	4.681	4.809	4.829
1459045	at	Golim4	BM942873	Mm.249232	3	4.393	4.261	4.390	4.342	4.334	4.294	4.245	4.345	4.530	4.261	4.289	4.476	4.290	4.334	4.357	4.289	4.273	4.262	4.249	4.222	4.326	4.568	4.432	4.247
1459046	at	4930473A06Rik	BB220391	Mm.180032	4	4.004	3.867	3.928	3.913	3.831	3.924	3.790	3.964	3.851	3.894	3.648	3.777	3.825	3.949	3.705	4.058	3.864	3.900	3.832	3.992	4.001	3.914	4.015	3.962
1459047	x at	NA	BB749667	NA	NA	4.018	3.859	4.146	4.024	4.121	4.138	4.163	4.044	3.615	3.969	3.992	3.976	3.891	3.879	4.024	4.073	4.279	3.956	3.988	4.071	4.103	3.968	4.020	4.047
1459048	s at	Zfp142	BB154236	Mm.207298	1	6.856	7.205	6.549	7.193	7.401	6.789	6.771	7.453	7.239	7.253	7.026	7.471	7.207	7.039	6.769	6.798	7.321	6.928	6.972	6.714	7.636	7.768	7.324	6.911
1459049	at	NA	BA945685	NA	NA	3.981	3.991	3.957	3.886	4.018	4.077	4.060	4.027	4.095	3.994	3.862	3.864	4.011	4.078	4.002	4.011	3.990	3.995	3.938	4.101	3.911	3.949	4.034	3.958
1459050	at	Gm996	AI853710	Mm.379511	2	4.836	4.824	4.716	4.949	4.897	4.853	4.820	5.169	4.968	4.727	4.667	4.849	4.742	4.902	4.590	5.009	4.961	4.840	4.720	4.533	5.031	5.041	4.832	5.001
1459051	at	6530418L21Rik	BB781615	Mm.212591	3	7.410	7.600	7.411	7.392	7.366	7.361	7.602	7.296	7.102	7.305	7.414	7.327	7.377	7.181	7.265	7.456	7.245	7.364	7.329	7.368	7.642	7.358	7.387	7.297
1459052	at	Hif3a	BE993484	Mm.135110	7	6.466	5.937	6.329	6.467	6.405	6.186	6.423	6.270	6.175	6.145	6.351	5.904	6.340	6.210	6.389	6.247	6.276	6.277	6.360	6.860	6.269	6.494	6.464	6.387
1459053	at	Centq2	BE987057	Mm.291135	1	7.094	6.878	6.836	7.125	7.021	6.685	6.825	7.159	7.064	6.913	7.021	7.238	6.946	7.039	6.806	6.911	7.063	7.082	6.915	6.927	7.331	6.986	7.039	7.074
1459054	at	Cas21	BB496939	Mm.233879	4	7.690	7.734	6.989	7.243	7.676	6.948	6.954	7.841	7.557	7.496	7.621	7.622	7.290	6.993	6.977	7.005	8.162	7.904	6.939	7.057	7.783	8.062	6.835	7.026
1459055	at	Foxi3	BB811070	Mm.259227	4	4.500	4.448	4.568	4.563	4.337	4.537	4.518	4.407	4.434	4.175	4.473	4.425	4.414	4.605	4.419	4.417	4.467	4.465	4.410	4.581	4.290	4.559	4.582	4.456
1459056	at	Rasarf1	AI844718	Mm.44561	9	5.256	5.446	5.376	5.434	5.371	5.502	5.457	5.431	5.464	5.449	5.440	5.390	5.474	5.498	5.447	5.554	5.541	5.363	5.426	5.362	5.605	5.574	5.591	5.540
1459057	at	NA	AI449122	NA	NA	4.422	4.749	4.708	4.701	4.715	4.771	4.802	4.705	4.613	4.639	4.359	4.923	4.747	4.512	4.622	4.705	4.738	4.837	4.802	4.661	4.727	5.337	4.719	4.400
1459058	at	Slia6	BB529600	Mm.196345	9	5.798	5.456	5.778	5.845	5.732	5.870	5.753	5.722	5.616	5.464	5.969	5.431	5.674	5.748	5.697	5.821	5.773	5.859	5.746	6.005	5.763	5.488	5.821	5.889
1459059	at	2013008F09Rik	BB648418	Mm.75434	X	6.205	6.017	6.133	6.187	6.049	6.176	6.315	6.150	6.063	6.121	6.011	6.217	6.015	6.085	6.238	6.279	6.139	6.173	6.059	6.367	6.277	6.084	6.186	
1459060	at	NA	BB753036	NA	NA	6.798	6.350	6.931	6.548	6.557	6.475	6.730	6.545	6.603	6.408	6.536	6.476	6.341	6.640	6.543	6.511	6.609	6.599	6.589	6.774	6.621	6.753	6.868	6.606
1459061	at	NA	BM117148	NA	NA	5.623	5.345	5.405	5.533	5.434	5.588	5.509	5.514	5.344	5.258	5.776	5.278	5.431	5.479	5.556	5.616	5.567	5.670	5.463	5.722	5.602	5.518	5.716	5.601
1459062	x at	NA	BE691677	NA	NA	4.816	5.169	5.174	4.813	4.796	5.044	5.047	4.938	4.859	5.086	4.825	4.905	4.759	4.963	4.866	4.926	5.211	5.138	4.980	4.989	4.977	5.291	4.567	4.729
1459063	at	NA	BG062977	NA	NA	6.640	6.267	6.308	6.628	6.329	6.520	6.667	6.302	6.567	6.603	6.273	6.256	6.642	6.622	6.605	6.341	6.447	6.575	6.343	6.631	6.341	6.391	6.467	
1459064	at	NA	AW498784	NA	NA	3.785	3.638	3.620	3.833	3.676	3.773	3.773	3.780	3.793	3.780	3.928	3.769	3.847	3.857	3.778	3.886	3.816	3.889	3.855	3.949	3.790	3.827	3.906	
1459065	at	NA	BE951193	NA	NA	5.026	4.582	5.140	4.864	4.836	4.835	5.162	4.926	4.813	4.894	4.863	4.864	5.011	4.852	4.892	4.719	4.951	4.886	4.777	5.065	4.997	4.921	5.131	5.080
1459066	at	NA	AW123137	NA	NA	5.521	5.387	5.382	5.450	5.355	5.301	5.322	5.199	4.995	5.106	5.184	5.297	5.255	5.150	5.148	5.293	5.501	5.400	5.241	5.123	5.458	5.589	5.533	5.293
1459067	at	1190002N15Rik	BG101496	Mm.258746	9	6.829	6.928	6.680	6.901	6.699	6.779	6.917	7.063	6.743	6.732	6.724	6.838	6.732	6.893	6.722	6.790	6.788	6.707	6.923	6.723	6.841	6.988	6.945	6.898
1459068	at	NA	AI464581	NA	NA	5.070	4.975	4.909	5.117	5.240	5.160	5.099	5.160	4.970	5.131	4.824	5.152	4.627	4.616	5.223	4.931	5.278	5.199	5.053	5.175	5.200	5.451	6.609	5.486
1459069	at	NA	BG080122	NA	NA	7.268	7.102	7.115	7.297	7.370	7.237	7.195	7.430	7.158	7.394	7.297	7.233	7.273	7.263	7.226	7.327	7.382	7.118	7.323	7.394	7.135	7.424	7.316	7.363
1459070	at	Mia3	AI847406	Mm.41152	1	7.930	7.503	7.795	7.706	7.807	7.685	7.815	7.789	7.940	7.666	7.689	7.655	7.767	7.852	7.528	7.638	7.588	7.764	7.672	7.830	7.745	7.694	7.749	7.795
1459071	at	NA	BE634929	NA	NA	6.336	6.258	6.329	6.171	6.215	6.293	6.250	6.069	6.151	6.265	6.830	6.956	6.458	6.517	6.337	6.386	6.537	6.466	6.377	6.400	6.317	6.400	6.467	
1459072	at	NA	BE648105	NA	NA	6.613	6.739	6.834	6.800	6.722	7.114	7.004	6.451	6.449	6.345	6.626	6.656	6.994	6.686	6.837	6.910	6.928	6.709	6.818	6.923	7.006	6.600	6.947	6.943
1459073	x at	NA	BB175009	NA	NA	4.875	4.237	4.650	4.650	4.431	4.486	4.438	4.515	4.046	4.302	4.162	4.411	4.457	4.286	4.371	4.486	4.581	4.302	4.396	4.329	4.524	4.807	4.688	4.655
1459074	at	NA	BG069133	NA	NA	5.680	5.677	5.821	5.643	5.571	5.484	5.660	5.720	5.633	5.513	5.704	5.386	5.626	5.692	5.647	5.688	5.687	5.627	5.726	5.624	5.728	5.522	5.711	5.800
1459075	at	AU022479	BG068277	NA	4	4.072	3.959	3.962	3.972	3.863	4.051	4.075	4.034	3.909	3.863	4.014	3.949	3.941	3.948	3.952	4.041	3.977	4.024	3.940	3.946	3.924	3.857	4.081	3.972
1459076	at	NA	BG069034	NA	NA	5.302	5.064	5.077	5.221	5.082	5.073	5.199	4.956	4.900	5.048	5.019	5.000	5.194	5.145	4.974	5.050	5.088	5.121	5.029	5.304	5.092	5.222	5.090	5.152
1459077	at	NA	BG067289	NA	NA	6.094	5.839	6.154	6.294	6.009	6.172	6.240	6.012	6.087	5.958	6.319	5.924	6.151	6.126	6.011	6.205	6.226	5.850	6.195	6.313	6.145	5.951	6.408	6.257
1459078	at	NA	BG069075	NA	NA	9.245	8.626	9.145	9.244	8.938	9.451	8.838	9.402	8.944	8.862	9.746	8.570	9.121</											

1459126	at	NA	AV015101	NA	NA	4.812	4.521	4.749	4.553	4.445	4.651	4.590	4.490	4.510	4.555	4.422	4.421	4.415	4.500	4.583	4.625	4.837	4.523	4.626	4.675	4.659	4.584	4.662	4.667	
1459127	at	NA	BO174864	NA	NA	7.199	6.629	7.236	7.103	6.882	7.036	7.307	7.081	6.875	6.773	6.950	6.878	6.902	6.866	6.988	6.961	6.905	6.900	6.846	7.302	6.996	6.913	7.037	7.113	
1459128	at	NA	BB543095	NA	NA	4.385	4.387	4.429	4.446	4.441	4.420	4.549	4.448	4.385	4.284	4.326	4.314	4.362	4.390	4.466	4.487	4.482	4.424	4.428	4.461	4.410	4.314	4.522	4.661	
1459129	at	NA	AV270194	NA	NA	6.411	6.135	6.370	6.170	6.292	6.386	6.563	6.085	6.572	6.223	6.140	6.191	6.366	6.267	6.215	6.227	6.235	6.344	6.225	6.280	6.290	6.117	6.416	6.943	
1459130	at	NA	BB535651	Mm.34916	10	5.289	5.022	5.433	5.349	5.341	5.289	5.454	5.213	5.366	5.096	5.237	5.139	5.237	5.193	5.514	5.081	5.184	5.218	5.349	5.468	5.363	5.106	5.432	5.498	
1459131	at	NA	BO071051	NA	NA	5.691	5.291	5.511	5.311	5.323	5.587	5.478	5.510	5.611	5.477	5.343	5.611	5.358	5.454	5.353	5.524	5.353	5.549	5.770	5.527	5.457	5.572	5.457	5.457	
1459132	at	Bnc2	AV321297	Mm.190774	4	4.990	4.653	5.197	4.897	5.119	5.030	5.096	4.883	5.322	4.691	5.101	4.789	4.987	5.051	5.018	5.068	4.937	4.829	5.041	5.256	4.946	4.760	4.942	5.027	
1459133	at	Edem3	BB549831	Mm.337691	1	7.629	7.660	7.603	7.565	7.696	7.723	7.683	7.439	7.849	7.875	7.563	7.686	7.499	7.392	7.604	7.605	7.369	7.612	7.567	7.532	7.437	7.262	7.884	7.352	
1459134	at	NA	AW539319	NA	NA	7.398	7.213	7.364	7.594	7.524	7.503	7.472	7.269	7.295	7.335	7.434	7.335	7.428	7.447	7.364	7.482	7.468	7.508	7.613	7.530	7.417	7.624	7.756	7.261	
1459135	at	NA	BG143689	NA	NA	7.150	6.853	7.178	7.196	7.177	7.119	7.097	7.067	6.918	6.856	6.937	6.702	6.850	6.839	7.010	7.088	7.130	6.934	7.112	7.175	7.066	7.130	7.303	7.404	
1459136	at	NA	BE630431	NA	NA	3.763	3.716	3.652	3.672	3.675	3.759	3.694	3.596	3.597	3.626	3.718	3.685	3.603	3.703	3.679	3.742	3.599	3.662	3.808	3.614	3.726	3.628	3.708	3.760	
1459137	at	Pml	BM220776	Mm.392123	9	4.999	4.958	5.097	5.029	5.001	5.190	5.055	4.779	5.040	5.139	4.978	4.996	4.989	4.944	5.104	4.849	4.937	5.115	5.233	5.054	5.176	4.866	5.149	4.906	
1459138	at	NA	BO067000	NA	NA	5.151	4.590	4.823	4.751	4.638	4.775	4.533	4.750	4.637	4.531	4.834	4.578	4.598	4.608	4.519	4.799	4.618	4.597	4.607	4.634	4.43	4.793	4.654	4.715	
1459139	at	NA	AI328202	NA	NA	6.506	6.169	6.250	6.498	6.251	6.424	6.356	6.398	6.300	6.311	6.313	6.132	6.306	6.299	6.230	6.392	6.350	6.392	6.501	6.572	6.455	6.243	6.385	6.325	
1459140	at	1110033M05Rik	BB425118	Mm.343005	13	6.515	6.257	6.384	6.484	6.312	6.515	6.196	6.324	6.472	6.567	6.109	6.390	6.271	6.387	6.404	6.606	6.331	6.311	6.324	6.515	6.315	6.317	6.201	6.301	
1459141	at	1810008I18Rik	BB667838	Mm.383527	7	6.136	5.821	5.796	5.875	5.949	6.163	5.862	6.283	5.855	5.837	6.062	5.787	5.904	5.913	5.951	5.953	5.962	6.059	5.956	5.974	6.142	5.942	6.075	6.175	
1459142	at	Spaq17	BB484590	Mm.55847	3	4.321	4.234	4.353	4.229	4.421	4.297	4.338	4.368	4.253	4.345	4.248	4.304	4.264	4.158	4.311	4.281	4.295	4.168	4.349	4.385	4.362	4.178	4.274	4.730	
1459143	at	Chchd3	BB667403	Mm.21501	6	6.905	7.221	7.169	7.224	6.738	6.966	7.219	6.960	6.676	7.020	6.443	7.019	6.476	6.583	7.258	7.072	7.378	7.785	7.465	7.219	7.167	7.384	7.749	7.502	7.199
1459144	at	NA	BB518323	NA	NA	6.058	5.693	5.755	5.796	5.734	6.253	5.591	6.008	6.286	6.677	5.673	5.641	5.661	6.406	6.522	5.951	5.439	5.845	6.233	5.793	5.841	6.246	5.760	6.552	
1459145	at	NA	A930033H14Rik	NA	10	8.319	8.392	8.318	8.145	8.753	8.578	8.904	8.224	7.841	8.166	8.191	8.502	8.467	8.135	8.313	8.428	8.507	8.561	8.194	8.286	8.007	8.040	8.056	8.097	
1459146	at	Maok6	BB282686	Mm.18856	9	5.234	5.052	5.219	5.057	5.282	5.192	5.261	5.309	5.204	4.973	5.515	5.040	5.025	5.131	5.227	5.158	5.081	5.103	5.153	5.440	5.173	5.187	5.232	5.076	
1459147	at	Crtac1	AW120671	Mm.313558	19	7.435	7.228	7.369	7.610	7.382	7.356	7.366	7.246	7.048	7.307	7.443	7.462	7.247	7.298	7.245	7.584	7.494	7.276	7.263	7.401	7.417	7.488	7.749	7.491	
1459148	at	NA	BB297456	NA	NA	6.508	6.177	6.283	6.115	6.268	6.213	6.420	6.105	6.129	6.168	6.419	6.240	6.256	6.285	6.390	6.393	6.274	6.537	6.298	6.658	6.348	6.470	6.250	6.293	
1459149	at	NA	BM122336	NA	NA	4.258	4.351	4.114	4.202	4.223	4.401	4.335	4.085	4.188	4.182	4.094	4.139	4.313	4.243	4.219	4.277	4.088	4.055	4.372	4.204	4.367	4.184	4.241	4.342	
1459150	at	NA	AW909485	NA	NA	8.310	7.683	8.493	7.960	7.943	7.779	8.110	7.453	7.618	7.819	7.830	7.864	7.702	7.632	7.616	8.453	7.845	7.885	7.487	7.793	7.843	8.214	8.200	7.925	
1459151	x at	h335	AW986054	Mm.45558	11	8.574	9.047	8.726	8.729	8.917	8.795	9.559	8.842	8.962	8.665	8.880	8.998	8.860	8.765	8.707	8.627	8.988	8.920	8.673	8.546	8.924	9.080	8.619	8.722	
1459152	at	C78515	AV3060225	Mm.312234	13	5.574	5.477	5.706	5.581	5.457	5.283	5.569	5.647	5.454	5.567	5.549	5.567	5.517	5.502	5.567	5.483	5.530	5.546	5.520	5.538	5.532	5.538	5.532	5.538	
1459153	at	NA	AV270404	Mm.312234	12	6.661	6.435	6.656	6.521	6.747	6.543	6.505	6.835	6.660	6.375	6.856	6.656	6.603	6.375	6.856	6.656	6.603	6.375	6.856	6.656	6.603	6.375	6.856	6.656	
1459154	at	NA	BO075612	NA	NA	7.171	7.055	7.170	7.102	7.080	7.322	7.033	6.906	6.974	6.974	6.686	6.913	6.858	6.928	7.205	7.224	7.162	7.235	7.205	6.942	6.940	6.949	7.375	7.220	
1459155	at	AU015696	BO070352	NA	NA	8.4632	4.991	4.789	4.607	4.592	4.829	4.634	4.525	4.524	4.690	4.562	4.740	4.503	4.616	4.913	4.768	4.511	4.932	4.665	4.567	4.709	4.704	4.667	4.611	
1459156	at	NA	BO066497	NA	NA	4.604	4.352	4.454	4.423	4.346	4.444	4.576	4.358	4.208	4.440	4.459	4.377	4.437	4.336	4.374	4.379	4.466	4.533	4.360	4.559	4.577	4.499	4.570	4.500	
1459157	at	Stox2	BO072245	Mm.23973	8	6.299	6.490	6.332	6.610	6.454	6.241	6.460	6.702	6.503	6.506	6.358	6.602	6.723	6.508	6.724	6.563	6.674	6.431	6.349	6.225	6.762	6.693	6.550	6.336	
1459158	at	NA	BO067318	NA	NA	4.913	4.776	4.922	4.686	4.961	5.003	4.909	4.850	4.813	4.591	5.094	4.903	4.926	4.979	4.852	4.907	4.808	5.009	4.886	4.941	4.924	4.867	4.910	4.837	
1459159	a at	Ccdc6	BO070364	Mm.281741	10	7.105	7.520	7.129	7.371	7.333	7.162	7.248	7.435	7.681	7.284	7.359	7.216	7.385	7.270	7.210	7.339	7.368	7.208	7.348	7.184	7.414	7.396	7.375	7.147	
1459160	at	NA	BO060696	NA	NA	5.195	5.195	5.360	5.337	5.455	5.287	5.517	5.336	5.155	5.495	5.335	5.232	5.273	5.419	5.393	5.512	5.501	5.539	5.523	5.539	5.523	5.539	5.523	5.539	
1459161	at	NA	BO070374	Mm.25936	8	7.058	6.740	7.046	6.904	7.016	6.795	7.010	6.929	6.958	6.660	6.737	6.684	6.971	6.859	6.898	7.002	7.104	6.922	6.921	7.323	6.941	6.858	7.124	6.756	
1459162	at	NA	BO076335	NA	NA	4.808	4.856	4.526	4.904	4.731	4.837	4.897	4.743	4.875	4.788	4.708	4.676	4.876	4.815	4.636	4.640	4.489	4.743	4.888	4.952	4.673	4.628	4.860	5.020	
1459163	at	NA	BO068110	NA	NA	6.950	6.389	6.697	6.819	6.662	6.911	6.898	6.603	6.471	6.559	6.729	6.542	6.608	6.500	6.794	6.761	6.888	6.719	6.871	6.981	6.688	6.535	6.764	6.850	
1459164	at	NA	BO069968	NA	6	5.505	5.315	5.414	5.438	5.510	5.559	5.388	5.667	5.350	5.394	5.324	5.119	5.301	5.489	5.414	5.462	5.843	5.496	5.527	5.595	5.177	5.383	5.240	5.545	
1459165	at	NA	D4Ertid179e	BO066210	NA	4	4.991	4.697	4.692	4.835	4.780	4.732	4.816	4.669	4.834	4.637	4.817	4.692	4.961	4.865	4.620	4.753	4.739	4.595	4.755	4.668	4.716	4.626	4.623	
1459166	at	NA	BO067890	NA	NA	7.266	7.089	7.013	7.303	7.143	7.068	7.177	7.174	7.349	7.000	7.195	7.214	7.170	7.178	7.159	7.269	7.180	7.147	7.237	7.155	7.246	7.112	7.322	7.135	
1459167	at	NA	BO067315	NA	NA	8.016	7.977	7.706	7.859	7.833	7.808	7.866	7.967	7.891	7.946	7.863														

1459215	at	NA	AW556401	NA	NA	6.681	7.054	6.651	6.762	6.811	6.813	6.696	6.516	6.808	6.878	6.750	6.738	6.903	6.701	6.635	6.852	6.798	6.717	6.863	6.797	6.857	6.845	6.738	6.831
1459216	at	Tdrd7	BG063433	Mm.275413	4	5.996	5.371	5.848	5.984	5.759	5.794	6.023	5.799	5.692	5.797	5.857	5.660	5.793	5.870	5.845	6.037	5.864	5.813	6.034	5.969	5.761	5.584	5.813	5.872
1459217	at	Osmr	BB533864	Mm.10760	15	5.429	5.063	5.366	5.203	5.160	5.210	5.307	5.162	5.394	5.501	5.299	5.119	5.235	5.418	5.213	5.229	5.201	5.269	5.202	4.935	4.994	5.203	5.238	5.215
1459218	at	D330001F17Rik	BB142087	Mm.123240	15	6.797	6.796	6.782	7.110	7.017	6.796	6.788	6.786	6.852	6.563	6.788	7.127	6.644	6.804	6.582	6.780	6.920	6.972	6.627	6.870	7.031	7.260	7.003	6.561
1459219	at	NA	BN120546	NA	NA	8.189	7.224	7.968	7.341	7.477	7.424	7.314	7.313	6.865	6.876	7.344	7.588	7.441	6.981	7.082	7.005	7.416	7.228	7.210	7.411	7.532	7.670	7.467	7.614
1459220	at	C78651	BG066263	NA	3	6.556	6.240	6.333	6.446	6.377	6.429	6.454	6.440	6.285	6.072	6.422	6.212	6.473	6.372	6.448	6.344	6.384	6.245	6.470	6.645	6.470	6.261	6.612	6.524
1459221	at	NA	BG069807	NA	NA	5.786	5.351	5.618	5.713	5.516	5.581	5.746	5.602	5.606	5.663	5.731	5.567	5.438	5.520	5.663	5.714	5.588	5.519	5.617	5.896	5.520	5.594	6.000	5.729
1459222	x	at	BG069057	NA	NA	6.046	6.109	6.362	6.027	6.173	6.303	6.060	6.316	6.094	5.978	6.037	6.088	6.090	6.017	6.115	6.188	6.153	6.067	6.249	6.245	6.068	6.197	6.223	6.401
1459223	at	B930095G15Rik	BB376007	Mm.435974	14	7.239	6.739	6.730	7.000	6.996	6.858	7.111	6.888	6.929	6.947	6.827	7.089	6.996	6.702	6.985	6.888	6.795	6.892	6.761	6.993	6.862	6.706	6.624	6.979
1459224	at	NA	BB005980	NA	NA	6.507	6.594	6.268	6.425	6.710	6.439	6.548	6.555	6.510	6.618	6.613	6.431	6.279	6.339	6.274	6.267	6.390	6.159	6.051	6.112	6.294	6.325	6.421	6.309
1459225	at	Gnl3l	BB328387	Mm.45987	X	7.364	6.965	7.589	7.375	7.179	7.358	7.422	7.289	7.206	7.352	7.484	7.208	7.141	7.370	7.386	7.491	7.355	7.568	7.523	7.830	7.405	7.260	7.395	7.475
1459226	at	NA	BB396862	NA	NA	6.536	6.013	6.653	6.259	6.471	6.447	6.551	6.733	6.549	6.467	6.264	6.267	6.409	6.339	6.537	6.432	6.646	6.728	6.580	6.693	6.542	6.680	6.666	6.810
1459227	at	NA	BG069937	NA	NA	6.972	6.758	7.163	7.151	6.894	6.962	7.037	6.841	6.977	6.801	7.023	6.794	6.968	6.897	6.952	7.035	6.995	6.966	7.092	7.027	7.003	6.845	7.164	7.008
1459228	at	AU021838	BB282891	Mm.268180	12	3.831	3.761	3.951	3.926	3.820	4.045	3.918	3.855	3.775	3.970	4.019	3.680	3.809	4.049	3.982	3.881	3.914	3.997	3.844	4.252	3.852	3.910	3.966	4.136
1459229	at	NA	BB245259	NA	NA	6.141	5.795	6.094	5.993	5.921	6.300	6.045	5.982	5.755	6.059	6.211	5.929	5.885	5.988	5.998	5.826	6.106	5.927	6.154	6.277	6.202	6.116	6.088	5.983
1459230	at	B430319G15Rik	BB255112	Mm.79983	9	6.135	5.739	6.222	5.996	6.305	5.893	6.168	6.062	6.090	6.209	5.938	5.878	6.181	6.338	5.988	6.148	6.339	6.316	6.375	6.245	6.385	5.932	6.200	6.297
1459231	at	Pkn1	BB298011	Mm.213000	8	4.884	4.680	4.904	4.918	5.029	4.817	5.011	5.147	5.087	5.013	5.046	4.906	5.006	4.961	4.943	4.923	4.864	4.920	5.006	5.061	5.289	5.015	5.181	4.940
1459232	at	NA	BB345060	NA	NA	6.093	5.942	6.329	6.020	5.987	6.117	6.109	6.090	6.131	6.117	6.170	5.964	6.142	5.998	6.110	6.220	6.085	6.111	6.133	6.267	6.222	5.991	5.984	6.034
1459233	at	Clasp1	BB378649	Mm.138740	1	7.428	7.007	7.284	7.502	7.236	7.278	7.451	7.237	7.015	7.107	6.999	7.151	7.073	7.142	7.187	7.565	7.475	7.172	7.340	7.371	7.211	7.189	7.249	7.436
1459234	at	NA	AV323547	NA	NA	6.601	6.138	6.679	6.768	6.380	6.622	6.729	6.650	6.366	6.422	6.728	6.575	6.422	6.546	6.591	6.682	6.479	6.606	6.596	6.828	6.603	6.542	6.679	6.637
1459235	at	NA	BB522668	NA	NA	4.090	4.295	4.033	4.216	4.055	3.974	4.127	4.121	4.074	3.985	4.194	4.196	4.135	4.165	4.116	4.166	3.951	4.289	4.135	4.110	4.107	4.209	4.182	3.875
1459236	at	AU022436	BG068261	NA	3	3.933	3.945	3.736	3.763	3.742	3.921	3.810	3.687	3.722	3.805	3.950	3.738	3.830	3.719	3.834	3.870	3.823	3.832	3.978	3.574	3.807	3.764	3.855	3.972
1459237	at	NA	BB046096	NA	NA	5.658	5.693	6.065	6.159	5.730	5.793	5.970	5.653	6.185	6.382	5.721	5.929	6.073	5.693	5.976	5.968	5.761	5.935	5.757	5.712	5.916	5.989	5.955	6.040
1459238	at	NA	AV319481	NA	NA	11.459	10.217	12.094	11.707	10.447	11.626	11.418	10.804	9.931	10.875	9.534	10.679	10.318	10.612	11.062	12.072	11.920	11.718	11.848	12.103	11.615	11.755	11.696	11.950
1459239	at	NA	AV555071	NA	NA	3.699	3.733	3.839	3.667	3.762	3.914	3.797	3.705	3.769	3.741	3.839	3.683	3.749	3.701	3.739	3.783	3.903	3.771	3.737	3.896	3.607	3.899	3.755	3.804
1459240	at	Tcf25	BG076173	Mm.178818	8	7.064	7.170	7.117	7.284	7.187	7.131	7.255	7.067	7.144	7.137	7.227	7.178	7.113	7.047	7.018	7.258	6.871	7.104	7.025	7.131	7.135	7.152	7.136	7.112
1459241	at	NA	BG067670	NA	NA	6.231	6.231	6.193	6.193	6.231	6.335	6.301	6.233	6.301	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233	6.233
1459242	at	NA	AV556311	NA	NA	7.937	7.726	7.970	7.969	7.969	7.933	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762	7.933	7.762
1459243	at	100042016	BG367706	Mm.425674	11	6.582	6.584	6.585	6.912	6.651	6.596	6.817	6.657	6.588	6.651	6.745	6.464	6.623	6.728	6.678	6.848	6.450	6.770	6.536	6.871	6.753	7.016	6.664	6.790
1459244	at	AU014756	BG069978	Mm.25871	1	5.091	4.907	5.257	5.100	5.016	5.113	5.125	5.290	5.055	5.042	4.909	4.943	5.056	5.244	5.135	5.013	4.946	5.020	5.149	5.175	5.169	4.968	5.119	5.304
1459245	s	at	Grid2	BG075811	Mm.439651	6	5.464	5.308	5.502	5.273	5.236	5.411	5.502	5.280	5.450	5.254	5.483	5.274	5.418	5.555	5.132	5.501	5.484	5.324	5.331	5.475	5.559	5.247	5.504
1459246	at	D230021J17Rik	BB174555	NA	3	6.453	6.300	6.561	6.545	6.416	6.695	6.629	6.564	6.620	6.555	6.588	6.357	6.367	6.488	6.564	6.652	6.500	6.468	6.747	6.721	6.593	6.366	6.587	6.590
1459247	at	Aqbl3	BB016868	Mm.150047	6	6.359	6.193	6.301	6.356	6.345	6.356	6.383	6.361	6.382	6.311	6.613	6.106	6.485	6.243	6.267	6.325	6.313	6.334	6.487	6.619	6.415	6.422	6.379	6.496
1459248	at	NA	BM231631	NA	NA	6.804	6.846	6.827	6.661	6.891	6.894	6.779	6.775	6.915	6.922	6.937	6.854	6.878	6.804	6.742	6.840	6.487	6.726	6.710	6.719	6.763	6.612	6.897	6.923
1459249	at	NA	BG025511	NA	NA	5.395	5.393	5.556	5.594	5.390	5.542	5.790	5.395	5.398	5.432	5.413	5.408	5.454	5.230	5.267	5.328	5.371	5.416	5.206	5.599	5.328	5.335	5.251	5.324
1459250	at	Tsh2	BB335968	Mm.315789	2	4.350	4.273	4.251	4.158	4.273	4.315	4.348	4.335	4.081	4.108	4.400	4.166	4.310	4.138	4.291	4.337	4.521	4.523	4.240	4.574	4.217	4.386	4.220	4.388
1459251	at	A43008B17Rik	BB546416	NA	15	6.807	6.610	6.776	6.741	6.629	6.736	6.781	6.735	6.699	6.564	6.721	6.468	6.667	6.622	6.745	6.739	6.763	6.961	6.781	6.932	6.833	6.342	6.646	6.889
1459252	at	EG245263	BG069518	Mm.291161	10	5.184	5.056	4.924	5.116	5.118	4.799	5.125	5.133	5.279	5.037	5.149	5.032	5.116	5.081	5.007	5.054	4.974	5.005	5.180	5.016	5.077	5.008	5.162	5.063
1459253	at	Arrdc3	AW556597	Mm.423137	13	5.408	6.815	7.795	6.002	7.505	6.456	6.097	5.877	5.955	6.352	6.692	5.176	7.376	6.838	6.066	7.698	5.889	6.856	6.575	7.015	6.399	7.713	7.097	7.230
1459254	at	Cdc2c	BB035360	Mm.33831	14	6.707	6.551	6.721	6.597	6.699	6.692	6.689	6.666	6.556	6.272	6.825	6.363	6.667	6.731	6.703	6.704	6.609	6.484	6.678	6.722	6.614	6.466	6.658	6.474
1459255	at	NA	BB017407	NA	NA	4.643	4.247	4.732	4.502	4.556	4.494	4.605	4.547	4.687	4.412	4.628	4.604	4.601	4.601	4.651	4.532	4.437	4.445	4.454	4.600	4.608	4.465	4.742	4.429
1459256	at	NA	BG338920	NA	NA	8.769	8.754	8.899	8.683	8.																			

1459304	at	NA	BB449560	NA	NA	6.245	6.418	6.391	6.472	6.454	6.426	6.570	6.364	6.533	6.267	6.358	6.341	6.391	6.289	6.230	6.399	6.417	6.458	6.380	6.512	6.444	6.408	6.401	6.311
1459305	at	NA	BB155266	NA	NA	8.418	8.170	8.332	8.353	8.346	8.230	8.052	8.361	8.385	8.133	8.405	8.262	8.386	8.331	8.297	8.440	8.628	8.333	8.321	8.360	8.531	8.427	8.526	8.347
1459306	at	NA	BB200000	NA	NA	6.943	6.617	7.250	6.780	6.680	6.462	6.607	6.574	6.660	6.518	6.383	6.424	6.366	6.633	6.584	7.066	6.534	6.592	6.477	6.413	6.611	6.454	6.499	6.557
1459307	at	NA	BB460274	NA	NA	8.010	7.872	7.933	7.876	8.230	7.909	7.941	8.096	8.257	8.099	8.553	8.137	7.928	7.995	8.078	7.995	8.119	7.857	7.688	7.989	8.002	8.335	7.987	7.969
1459308	at	NA	BB071634	NA	NA	7.673	7.391	7.382	7.574	7.531	7.343	7.534	7.412	7.283	7.301	7.508	7.242	7.466	7.465	7.455	7.507	7.388	7.463	7.370	7.363	7.460	7.572	7.607	7.687
1459309	at	Rufy3	BB307568	Mm.270469	5	4.337	4.123	4.100	3.999	3.848	4.102	4.220	4.098	4.505	4.273	4.074	4.087	4.051	4.086	4.121	4.127	4.251	4.383	3.943	4.058	4.189	4.120	4.028	4.303
1459310	at	NA	BB426563	NA	NA	5.455	5.380	5.553	5.233	5.362	5.325	5.223	5.313	5.103	5.257	5.533	5.319	5.309	5.299	5.380	5.280	5.516	5.545	5.406	5.566	5.267	5.368	5.476	5.459
1459311	at	LOC100040968	BB255824	Mm.460932	13	5.044	6.518	6.683	6.473	6.915	6.494	6.066	5.894	4.674	5.659	4.993	5.719	5.952	4.292	6.525	6.613	7.612	7.511	7.481	7.181	6.889	7.452	6.494	6.756
1459312	at	NA	BG068978	NA	NA	4.055	3.719	4.179	4.376	4.113	4.136	4.196	4.155	4.038	4.044	4.212	4.020	4.035	3.953	4.277	4.069	4.062	4.165	4.173	4.370	4.256	3.957	4.076	4.274
1459313	at	NA	BB099061	NA	NA	4.137	4.181	4.234	4.058	4.087	4.166	4.215	4.184	3.990	4.047	4.023	4.031	4.245	4.121	4.113	4.194	4.228	4.283	4.035	4.147	4.090	4.073	3.863	4.089
1459314	at	NA	BB229373	NA	NA	6.907	6.774	7.017	6.983	6.973	7.189	7.065	6.683	6.636	6.715	6.674	6.643	6.693	6.763	6.837	6.888	6.887	6.982	6.907	7.234	6.855	6.978	7.085	6.697
1459315	at	NA	BM233369	NA	NA	7.472	7.750	7.596	7.489	7.652	7.709	7.553	7.235	7.822	7.938	7.789	7.511	7.321	7.662	7.394	7.464	7.295	7.357	7.384	7.217	7.331	7.586	7.760	7.532
1459316	at	NA	AW553227	NA	NA	6.392	6.877	6.812	6.832	6.955	6.879	6.878	7.151	7.145	7.149	6.948	7.324	7.550	6.975	7.074	7.002	7.073	7.016	6.861	7.070	6.68	7.169	7.032	6.437
1459317	at	Ank2	BB280924	Mm.220242	3	6.887	6.535	6.725	6.991	6.876	6.752	6.801	6.946	6.804	6.723	6.809	6.946	6.873	6.865	6.800	6.910	6.874	6.726	6.867	6.905	6.883	6.941	6.842	6.921
1459318	at	Sema6d	BB475092	Mm.330536	2	6.796	6.623	6.553	6.729	6.481	6.769	6.722	6.896	6.820	6.699	6.651	6.823	6.752	6.813	6.540	6.717	6.940	6.859	6.711	6.744	6.796	6.825	6.547	6.567
1459319	at	Pola1	BB168469	Mm.1923	X	5.542	5.450	5.750	5.636	5.604	5.493	5.708	5.656	5.837	5.639	5.705	5.661	5.743	5.761	5.682	5.573	5.570	5.602	5.763	5.651	5.355	5.507	5.707	5.660
1459320	at	NA	BB265030	NA	NA	7.748	7.814	7.461	7.622	7.887	7.672	7.686	7.676	7.471	7.450	7.962	7.494	7.472	7.642	7.552	7.419	7.823	7.883	8.099	7.801	7.575	7.654	7.604	7.530
1459321	at	NA	BB075541	NA	NA	6.351	5.753	6.378	6.238	6.155	6.429	6.240	6.178	6.000	6.062	6.375	6.073	6.211	6.224	6.249	6.438	6.207	6.211	6.186	5.666	5.361	6.032	6.262	6.271
1459322	at	NA	BB104577	NA	NA	6.569	6.370	6.058	6.819	6.626	6.682	6.535	6.722	6.617	6.556	6.490	6.628	6.821	6.867	6.672	6.542	6.669	6.553	6.596	6.690	6.753	6.856	6.622	6.569
1459323	at	NA	BG076272	NA	NA	8.635	7.978	8.415	8.347	8.437	8.162	8.331	8.467	8.558	8.226	8.410	8.017	8.159	8.441	8.200	8.348	8.331	8.435	8.329	8.327	8.386	8.269	8.317	8.375
1459324	at	Fermt2	BB554124	Mm.210018	14	7.875	7.627	8.235	7.799	7.717	7.876	7.993	7.400	7.376	7.416	7.989	7.431	7.535	7.488	7.641	8.184	7.540	7.530	7.720	7.587	7.760	7.571	7.820	8.024
1459325	at	NA	BV439840	NA	NA	6.720	6.273	6.515	6.540	6.501	6.691	6.761	6.502	6.340	6.387	6.520	6.551	6.595	6.464	6.550	6.471	6.709	6.603	6.720	6.794	6.413	6.493	6.631	6.519
1459326	at	D9Ert256e	BG066667	NA	9	6.711	6.099	6.438	6.519	6.391	6.433	6.527	6.645	5.852	6.260	6.318	6.467	6.151	5.880	6.772	6.166	6.987	6.557	6.402	6.376	6.882	7.119	6.688	6.789
1459327	at	NA	BB076113	NA	NA	7.571	7.227	7.541	7.580	7.476	7.479	7.650	7.359	7.284	7.352	7.464	7.300	7.401	7.548	7.610	7.455	7.459	7.598	7.525	7.628	7.222	7.443	7.304	7.631
1459328	at	NA	BG075076	NA	NA	7.439	6.997	7.403	7.444	7.176	7.347	7.476	7.377	7.104	7.196	6.866	7.255	7.113	7.252	7.278	7.442	7.353	7.349	7.264	7.416	7.329	7.233	7.350	7.455
1459329	at	Ttc7	BB235116	Mm.77396	17	6.494	6.771	6.675	6.800	6.925	6.801	6.811	6.869	7.101	6.781	6.833	6.931	6.959	6.982	6.737	6.720	6.880	6.708	6.658	6.993	6.763	6.651	6.554	6.534
1459330	at	NA	BB532516	Mm.32408	4	8.281	7.770	8.134	8.179	7.816	8.111	8.039	8.007	7.925	7.882	8.043	8.112	7.992	7.987	7.957	8.079	8.087	8.005	8.178	8.130	8.215	7.955	8.065	8.087
1459331	at	Surf6	BB039037	NA	NA	6.695	6.952	6.945	7.174	6.737	7.232	7.358	6.778	6.956	6.260	6.730	6.817	6.894	6.651	6.861	6.591	7.275	7.227	7.059	7.271	7.036	6.996	7.419	7.389
1459332	at	NA	BB530856	Mm.245577	2	5.085	5.029	5.105	5.031	5.000	4.983	5.073	5.150	5.190	4.880	4.965	4.922	5.108	4.855	4.904	4.921	4.863	4.928	4.933	5.052	5.125	5.071	5.125	5.071
1459332	at	Itch	BM197626	Mm.208286	2	6.956	6.634	6.998	6.937	6.927	7.257	7.059	6.777	6.831	7.024	6.902	6.937	6.859	6.892	7.100	6.985	6.839	6.879	6.736	6.907	6.871	6.982	6.898	6.894
1459333	at	NA	BG027401	NA	NA	5.237	5.012	5.130	5.279	5.255	5.081	5.156	5.314	4.811	5.277	4.960	4.957	5.060	4.941	5.180	5.173	5.270	5.326	5.156	5.355	5.359	5.204	5.338	5.259
1459334	at	NA	BG073495	NA	NA	6.205	5.648	5.915	6.100	5.853	5.897	5.807	6.022	5.851	5.819	6.028	5.842	5.966	5.891	5.763	5.941	6.018	5.925	5.954	6.142	6.129	6.113	5.971	5.889
1459335	at	NA	BG075181	NA	NA	5.919	5.503	5.529	5.810	5.657	5.617	5.804	5.794	5.698	5.545	5.800	5.720	5.560	5.815	5.687	5.725	5.742	5.664	5.627	5.788	5.880	5.563	5.517	5.816
1459336	at	Gucy1a2	BB443417	Mm.435507	9	5.440	5.612	5.851	5.722	5.674	6.056	6.053	5.689	5.372	5.566	5.633	5.534	5.597	5.466	5.861	5.888	5.772	5.838	5.903	6.009	5.660	5.754	5.673	5.931
1459337	at	NA	BB532516	Mm.32408	4	8.281	7.770	8.134	8.179	7.816	8.111	8.039	8.007	7.925	7.882	8.043	8.112	7.992	7.987	7.957	8.079	8.087	8.005	8.178	8.130	8.215	7.955	8.065	8.087
1459338	at	NA	BB039037	NA	NA	6.695	6.952	6.945	7.174	6.737	7.232	7.358	6.778	6.956	6.260	6.730	6.817	6.894	6.651	6.861	6.591	7.275	7.227	7.059	7.271	7.036	6.996	7.419	7.389
1459339	at	NA	BB390736	NA	NA	6.774	6.765	6.957	7.021	6.659	7.036	6.784	6.840	6.723	6.774	6.568	6.566	6.770	6.637	6.525	6.690	6.745	6.569	6.607	6.808	6.831	6.711	6.888	6.760
1459340	at	NA	BG073476	NA	NA	5.482	5.386	5.373	5.410	5.371	5.284	5.175	5.444	5.450	5.366	5.344	5.302	5.455	5.433	5.350	5.391	5.594	5.491	5.422	5.442	5.421	5.353	5.470	5.353
1459341	at	B230448K23Rik	AV321471	NA	13	6.683	6.402	6.479	6.516	6.567	6.516	6.500	6.533	6.629	6.472	6.585	6.481	6.599	6.564	6.465	6.474	6.759	6.780	6.531	6.548	6.673	6.459	6.638	6.526
1459342	at	C230029M16	BB383709	Mm.208936	10	5.750	5.389	5.755	5.585	5.666	5.709	5.639	5.592	5.703	5.719	5.518	5.372	5.615	5.693	5.579	5.621	5.485	5.638	5.546	5.905	5.585	5.617	5.518	5.761
1459343	at	Heatr6	BB256398	Mm.117874	11	6.272	6.147	6.233	6.466	6.392	6.308	6.486	6.337	6.392	6.316	6.491	6.428	6.336	6.425	6.439	6.410	6.300	6.662	6.479	6.538	6.465	6.548	6.351	6.562
1459344	at	PE630019E01Rik	BB456107	NA	2	6.387	6.077	6.258	6.312	6.969	6.882	6.703	6.263	6.195	6.240	6.352	6.282	6.072	5										

1459393	at	NA	BB438847	NA	NA	7.664	7.144	7.407	7.408	7.311	7.264	7.464	7.514	7.195	7.238	7.592	7.171	7.287	7.353	7.408	7.549	7.424	7.422	7.499	7.597	7.502	7.370	7.525	7.370
1459394	at	D130052B06Rik	BB457443	Mm.387062	11	6.459	6.082	6.360	6.385	6.287	6.297	6.090	6.295	5.941	6.251	6.273	6.260	6.169	6.376	6.227	6.138	6.547	6.270	6.157	6.288	6.329	6.369	6.357	6.410
1459395	at	NA	BG074624	NA	NA	6.730	6.474	6.332	6.460	6.312	6.497	6.591	6.452	6.466	6.146	6.306	6.186	6.472	6.497	6.403	6.403	6.441	6.478	6.524	6.559	6.414	6.235	6.618	6.411
1459396	at	6030446N20Rik	BB389192	Mm.271567	18	7.516	7.163	7.434	7.580	7.485	7.421	7.410	7.316	7.414	7.215	7.434	7.306	7.476	7.562	7.293	7.294	7.266	7.245	7.439	7.355	7.476	7.185	7.535	7.466
1459397	at	Arh1	BB440892	Mm.305925	9	5.182	5.282	5.278	5.316	5.278	5.143	5.182	5.229	5.163	5.174	5.169	5.139	4.939	5.026	5.213	5.225	5.326	5.202	5.403	5.265	5.285	5.017	5.077	5.108
1459398	at	Peil1	BB542335	Mm.28957	11	5.852	5.463	5.731	5.801	5.704	5.904	5.831	5.486	5.403	5.753	5.488	5.368	5.264	5.420	5.593	6.159	5.417	5.637	5.625	5.644	5.637	5.844	5.688	5.877
1459399	at	NA	BB534766	NA	NA	4.693	4.723	4.618	4.763	4.813	4.661	4.824	4.863	4.896	4.713	4.887	4.799	4.878	4.860	4.647	4.732	4.785	4.722	4.882	4.793	4.692	5.183	4.867	4.863
1459400	at	A630038E17Rik	BB211129	Mm.303179	14	6.753	6.251	6.509	6.494	6.574	6.487	6.602	6.610	6.548	6.325	6.542	6.476	6.209	6.505	6.548	6.595	6.610	6.573	6.600	6.727	6.613	6.522	6.569	6.618
1459401	at	NA	BB483229	NA	NA	4.079	4.157	3.941	3.963	4.026	4.154	4.167	4.326	3.926	4.095	4.242	4.147	4.102	3.940	4.020	4.320	4.079	4.250	4.147	4.128	4.036	4.325	3.979	3.958
1459402	at	Oprm1	BB168846	Mm.457998	10	7.553	6.997	7.560	7.152	7.170	7.157	7.402	7.454	7.073	7.013	7.450	7.025	7.105	7.073	7.226	7.317	7.317	7.322	7.427	7.563	7.209	7.209	7.417	7.291
1459403	at	Ldlr	AV239114	Mm.3213	9	5.908	5.982	5.707	5.988	5.746	5.708	5.740	6.176	5.912	6.056	5.814	5.885	5.779	5.848	5.816	5.874	5.730	5.723	5.561	6.006	5.729	5.761	6.536	5.948
1459404	at	4930583H14Rik	BB322613	Mm.273339	3	5.472	5.212	5.380	5.483	5.333	5.530	5.287	5.428	5.457	5.449	5.419	5.492	5.297	5.448	5.348	5.466	5.448	5.320	5.492	5.497	5.458	5.393	5.432	5.576
1459405	at	Iqoa3p	BB442539	Mm.331133	3	7.701	7.544	7.544	7.511	7.646	7.371	7.499	7.711	7.538	7.518	7.728	7.367	7.407	7.573	7.450	7.510	7.310	7.471	7.602	7.449	7.16	7.510	7.493	7.572
1459406	at	NA	BB161804	NA	NA	7.141	7.400	7.348	7.545	7.486	7.336	7.302	7.056	7.372	7.274	7.115	7.081	7.223	7.192	7.230	7.525	7.143	7.137	7.160	7.357	7.036	7.304	7.431	7.213
1459407	at	NA	BG074895	NA	NA	5.117	5.039	4.953	5.019	4.976	5.029	5.087	4.909	4.993	4.931	4.929	4.841	4.854	4.894	4.969	4.993	4.880	4.848	5.149	5.062	4.933	5.046	5.080	5.036
1459408	at	NA	BB266580	NA	NA	7.125	7.038	7.086	7.032	6.821	6.985	7.140	6.909	6.992	6.905	6.789	6.997	6.943	6.866	6.877	6.854	6.966	6.977	7.018	7.132	7.021	7.163	7.408	7.043
1459409	at	NA	AU067733	NA	NA	7.005	7.252	7.160	6.961	7.191	7.046	7.201	7.011	7.127	7.112	7.062	7.253	6.849	7.092	7.173	7.001	7.023	7.100	7.014	6.998	7.048	6.996	7.079	6.961
1459410	at	LOC493582	C79036	Mm.410440	9	5.359	4.804	5.472	5.054	4.980	5.557	5.188	5.031	5.253	5.117	5.332	5.287	4.961	5.137	5.207	5.397	4.980	5.396	5.400	5.545	5.261	5.117	5.316	5.631
1459411	at	NA	BB162504	NA	NA	7.169	7.063	7.253	7.266	6.870	7.194	7.391	6.988	6.620	7.181	7.116	6.681	6.833	6.916	7.001	6.951	7.021	7.180	7.229	7.312	7.045	6.884	7.263	7.067
1459412	at	NA	BB005408	NA	NA	5.709	5.596	5.912	5.628	5.754	5.635	6.020	5.530	5.615	5.473	5.992	5.817	5.764	5.812	5.501	5.792	5.855	5.709	5.755	5.882	5.596	5.669	5.954	5.842
1459413	at	NA	BB181350	NA	NA	6.159	5.662	5.786	5.826	5.679	5.514	5.805	6.131	5.824	5.569	5.991	5.857	6.044	5.771	5.848	5.992	6.286	5.902	5.801	5.899	6.000	5.982	6.029	6.140
1459414	at	NA	AW543639	NA	NA	9.217	8.860	9.081	9.186	8.986	8.884	9.084	9.151	8.976	8.866	8.968	8.819	9.043	9.034	8.994	9.201	9.015	8.927	9.052	9.115	9.256	9.072	9.069	9.137
1459415	at	NA	BB204258	NA	NA	6.200	6.397	6.533	6.473	6.513	6.245	6.484	6.672	6.764	6.652	6.299	6.544	6.967	6.727	6.285	6.667	6.372	6.461	6.677	6.696	6.584	6.690	6.657	6.726
1459416	at	Bcl7a	BB391149	Mm.151960	5	5.498	5.323	5.434	5.512	5.389	5.250	5.530	5.387	5.354	5.260	5.414	5.382	5.394	5.389	5.562	5.378	5.487	5.505	5.275	5.309	5.601	5.420	5.419	5.554
1459417	at	NA	BG076149	NA	NA	5.393	5.250	5.499	5.499	5.356	5.545	5.364	5.533	5.447	5.252	5.603	5.566	5.344	5.402	5.416	5.506	5.393	5.481	5.305	5.487	5.489	5.485	5.450	5.364
1459418	at	NA	BG076300	NA	NA	5.657	5.832	5.775	5.738	5.993	5.691	5.705	5.753	6.373	5.974	6.548	5.764	5.838	5.937	5.822	5.682	5.762	5.696	5.628	5.645	5.631	5.401	5.846	5.945
1459419	at	NA	BB071132	NA	NA	7.945	7.947	7.947	7.947	7.661	7.774	7.378	7.720	7.378	7.747	7.688	7.268	7.788	7.688	7.677	7.908	7.788	7.645	7.788	7.969	7.788	7.788	7.788	7.641
1459420	at	NA	BB167206	NA	NA	7.559	7.157	7.352	7.212	7.209	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098	7.098
1459421	at	Hkd1c	BB281327	Mm.213213	10	5.372	5.147	5.206	5.315	4.918	5.120	5.069	5.180	4.972	4.785	5.260	5.059	5.093	5.148	5.068	5.180	5.121	5.144	5.137	5.256	5.287	4.966	5.433	5.000
1459422	at	NA	C77550	NA	NA	5.360	5.052	5.426	5.363	5.375	5.365	5.270	5.524	5.375	5.125	5.486	5.263	5.481	5.305	5.459	5.445	5.460	5.164	5.544	5.527	5.645	5.396	5.532	5.375
1459423	at	Meis1	BB425010	Mm.356578	11	7.174	6.927	6.977	7.133	6.880	6.986	7.361	7.034	7.001	6.752	7.169	6.990	7.047	7.009	7.067	7.106	7.170	6.870	6.992	7.189	7.276	7.276	7.029	7.148
1459424	at	D3Ert108e	BG065739	NA	NA	3.582	5.373	5.952	5.875	5.892	5.876	5.952	5.874	5.906	5.569	6.057	5.901	5.907	5.816	5.950	6.068	6.048	5.949	6.080	6.276	5.999	6.054	6.064	6.063
1459425	at	NA	BG065423	NA	NA	7.767	7.215	7.680	7.598	7.742	7.676	7.672	7.461	7.524	7.503	7.630	7.430	7.453	7.409	7.714	7.764	7.560	7.848	7.610	7.664	7.699	7.619	7.828	8.057
1459426	at	Scel	BG068505	Mm.244003	14	4.778	4.230	4.619	4.572	4.556	4.605	4.669	4.654	4.526	4.479	4.550	4.427	4.503	4.448	4.709	4.682	4.581	4.734	4.804	4.628	4.453	4.416	4.722	4.669
1459427	at	NA	BB216073	Mm.273174	2	6.934	6.356	7.022	6.688	6.954	6.609	6.608	6.591	6.675	6.642	6.814	6.654	6.814	6.654	6.814	6.654	6.814	6.654	6.814	6.654	6.814	6.654	6.814	6.654
1459428	at	C76562	BG065717	NA	NA	6.025	5.856	5.933	6.068	5.913	5.681	5.983	5.883	6.050	5.865	5.839	5.961	5.815	5.839	6.066	5.886	6.042	5.846	5.771	5.946	5.937	5.677	5.936	5.897
1459429	at	Ktn1	AW538151	Mm.33110	14	4.829	4.918	4.561	4.994	4.836	4.561	4.569	5.178	5.057	4.656	4.956	4.673	5.033	4.651	4.475	4.686	4.953	4.539	4.972	4.591	4.748	4.867	4.855	4.662
1459430	at	Gpr158	BB429778	Mm.166647	2	6.779	6.466	6.812	6.920	6.770	6.879	6.665	6.809	6.695	6.711	6.896	6.775	6.899	6.820	6.746	6.797	6.761	6.810	6.882	7.007	6.954	6.796	6.948	6.809
1459431	at	NA	BB155062	NA	NA	6.240	6.079	6.452	6.462	6.415	6.119	6.269	6.274	6.095	5.906	6.211	6.241	6.329	6.239	6.281	6.293	6.406	6.343	6.174	6.509	6.508	6.388	6.372	6.465
1459432	at	NA	BG067504	NA	NA	6.752	6.426	6.596	6.625	6.495	6.587	6.691	6.529	6.476	6.592	6.613	6.625	6.524	6.638	6.604	6.714	6.833	6.653	6.470	6.639	6.874	6.623	6.732	6.660
1459433	at	C130051F05Rik	AV327581R	Mm.405520	13	6.783	6.837	6.643	6.565	6.576	6.634	6.729	6.450	6.508	6.809	6.294	6.658	6.462	6.871	6.817	6.642	6.503	6.612	6.406	6.313	6.352	6.639	6.622	6.462
1459434	at	NA	BG068505	NA	NA	6.720	6.624	6.254	6.667	6.642	6.530	6.630	6.51																

14549482	at	Trm2	C79133	Mm.276762	10	7.051	6.940	6.872	6.961	6.954	6.766	6.907	7.045	7.000	6.759	7.023	6.960	6.937	7.059	6.917	6.939	6.985	6.796	6.993	6.675	7.055	6.901	7.717	6.802	
14549483	at	NA	B8461295	NA	NA	6.691	6.288	6.437	6.563	6.442	6.426	6.484	6.741	6.453	6.263	6.458	6.319	6.595	7.352	6.941	6.551	6.614	6.223	6.191	6.675	6.533	6.225	5.688	6.468	
14549484	at	NA	BW123086	NA	NA	6.516	6.227	6.454	6.453	6.287	6.497	6.335	6.462	6.590	6.337	6.658	6.514	6.576	6.524	6.627	6.411	6.297	6.303	6.385	6.441	6.488	6.173	6.512	5.584	
14549485	at	NA	BG074577	NA	NA	5.831	5.904	6.048	5.984	5.875	6.419	6.314	5.883	5.825	6.003	5.975	6.020	6.091	6.088	6.064	6.338	6.263	6.296	6.515	6.359	5.920	6.519	6.184	6.383	
14549486	at	AU022240	AU022240	NA	14	4.899	4.802	4.782	5.053	4.751	4.622	4.892	4.957	4.702	4.741	4.792	4.845	4.813	4.766	4.819	4.896	4.854	4.952	4.817	4.890	4.832	4.676	4.865	4.952	
14549487	at	NA	AU024006	NA	NA	5.256	5.104	5.206	5.297	5.213	5.343	5.205	5.360	5.283	5.158	5.184	5.313	5.162	5.067	5.090	5.183	5.458	5.222	5.332	5.283	4.747	5.408	5.230	5.234	
14549488	at	NA	AU024006	NA	NA	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	7.457	
14549489	at	NA	BG072377	NA	NA	6.744	6.450	6.426	6.605	6.638	6.604	6.490	6.589	6.693	6.510	6.455	6.584	6.722	6.595	6.807	6.557	6.641	6.432	6.649	6.482	6.971	6.494	6.682	5.756	
14549490	at	NA	BG071154	NA	NA	7.728	7.495	7.661	7.460	7.496	7.560	7.638	7.388	7.680	7.995	7.613	7.940	8.339	7.836	8.067	7.512	7.320	7.481	7.490	7.620	7.713	7.551	7.432	7.542	
14549491	at	D12Ert6d7e3e	BG070301	NA	12	6.992	6.477	7.073	6.850	6.867	6.827	6.879	6.837	6.890	6.735	7.016	6.747	6.849	6.801	6.937	6.940	6.671	7.140	6.975	7.171	6.991	6.862	6.766	6.977	
14549492	at	NA	AU024005	NA	NA	4.742	4.639	4.866	4.855	4.650	4.679	4.593	4.859	4.667	4.731	4.762	4.647	4.745	4.598	4.661	4.678	4.902	4.533	4.596	4.593	4.653	4.698	4.866	4.782	
14549493	at	NA	B8161726	NA	NA	7.681	7.503	7.777	7.789	7.689	7.736	7.880	7.842	7.772	7.725	7.679	7.584	7.830	7.782	7.845	7.771	7.861	7.719	7.916	8.107	7.792	7.810	7.749	7.775	
14549494	at	NA	BG060764	NA	NA	5.334	5.501	5.959	5.834	5.544	5.867	5.985	5.528	5.577	6.038	5.678	5.548	5.679	5.630	5.429	5.683	5.678	6.104	6.071	5.792	5.741	5.486	5.765	5.721	
14549495	at	NA	BG075349	NA	NA	6.147	6.089	6.520	6.497	6.147	6.500	6.478	6.500	6.478	6.147	6.500	6.478	6.500	6.478	6.147	6.500	6.478	6.147	6.500	6.478	6.147	6.500	6.478	6.500	6.478
14549496	at	C77267	C77267	NA	2	6.832	6.318	6.845	6.646	6.598	6.612	6.650	6.613	6.562	6.411	6.720	6.422	6.299	6.537	6.724	6.632	6.595	6.557	6.596	6.813	6.562	6.458	6.713	6.938	
14549497	at	NA	AU019852	NA	NA	6.152	5.833	5.987	6.090	5.871	6.040	6.194	6.01	6.026	5.984	6.053	5.920	5.960	5.950	5.974	5.978	5.951	5.951	5.800	6.069	5.957	5.862	5.933	5.982	
14549498	at	NA	C80310	NA	NA	7.201	6.691	6.865	6.821	6.709	6.843	6.759	6.571	6.781	6.884	6.850	6.744	6.508	6.736	6.922	6.962	6.729	6.973	6.867	6.898	6.941	6.897	6.862	6.795	
14549499	at	NA	AU022047	NA	NA	3.814	3.728	3.768	3.636	3.744	3.870	3.763	3.704	3.702	3.669	3.620	3.707	3.813	3.715	3.672	3.733	3.689	3.906	3.672	3.308	3.689	3.361	3.744	3.651	
14549500	at	C85351	C85351	NA	8	5.896	5.676	5.745	6.019	5.829	6.030	5.824	6.354	5.762	5.860	5.903	5.763	5.713	5.727	5.808	5.884	5.934	6.152	5.927	5.795	5.881	5.921	6.201	6.135	
14549501	at	AU022194	AU022194	NA	11	5.488	5.158	5.647	5.418	5.418	5.533	5.488	5.518	5.488	5.418	5.533	5.488	5.518	5.488	5.518	5.488	5.518	5.488	5.518	5.488	5.518	5.488	5.518	5.488	5.518
14549502	at	D17Ert589e	AU022987	NA	17	5.082	4.710	4.929	4.876	4.919	4.768	4.840	4.712	4.726	4.755	4.653	4.545	4.772	4.727	4.678	4.742	4.671	4.728	4.834	4.827	4.918	4.860	4.837	4.735	
14549503	at	100042277	BM115842	Mm.297496	3	7.830	7.551	7.880	7.931	7.805	7.721	7.896	7.740	7.687	7.559	7.797	7.548	7.745	7.795	7.714	7.832	7.869	7.650	7.826	7.989	7.889	7.749	7.889	8.002	
14549504	at	AU022121	AU022121	NA	2	7.164	6.651	7.001	7.061	6.905	6.871	7.008	6.860	6.844	6.600	7.015	6.747	6.798	6.890	6.839	7.032	6.867	6.777	6.876	7.066	7.230	7.091	7.064	6.957	
14549505	at	NA	BG069138	NA	NA	5.066	4.766	4.898	4.994	5.022	4.847	5.071	5.209	5.100	4.849	4.957	4.864	4.888	4.961	4.937	4.901	4.925	4.819	4.897	5.001	4.954	5.050	4.968	4.980	
14549506	at	NA	AU022979	NA	NA	4.903	4.663	4.795	4.752	4.747	4.730	4.795	4.794	4.815	4.790	4.809	4.851	4.629	4.815	4.519	4.748	4.828	4.788	4.822	5.001	4.843	4.902	4.809	4.802	
14549507	at	NA	B8291603	NA	NA	4.799	4.627	4.697	4.915	4.661	4.900	4.581	4.707	4.653	4.648	4.799	4.738	5.034	4.882	4.685	4.865	4.782	4.760	4.783	5.031	4.707	4.725	4.951	4.662	
14549508	at	956600	956600	NA	3	3.514	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184	3.285	3.272	3.184
14549509	at	NA	B8308323	NA	NA	7.700	7.491	7.510	7.782	7.718	7.613	7.592	7.657	7.681	7.441	7.742	7.652	7.709	7.716	7.509	7.565	7.736	7.500	7.543	7.755	7.616	7.571	7.659	7.477	
14549510	at	Trmpsr22	BM250339	Mm.276145	16	7.000	6.980	7.199	7.171	7.155	7.152	7.158	7.228	6.896	6.973	7.180	7.097	7.100	7.109	6.920	7.177	7.187	7.222	7.039	7.180	7.238	7.046	7.127	7.145	
14549511	at	NA	C79115	NA	NA	7.071	6.576	7.092	7.070	6.931	6.928	7.052	6.812	6.848	6.810	7.154	6.837	6.997	6.898	6.941	7.048	7.195	7.066	7.062	7.157	7.126	6.861	7.158	7.021	
14549512	at	NA	BM123004	NA	NA	6.539	6.249	6.782	6.527	6.387	6.735	6.805	6.427	6.707	6.579	6.856	6.431	6.279	6.850	6.761	6.874	6.862	6.988	6.658	6.877	6.495	6.810	6.423	6.639	
14549513	at	NA	AU040911	NA	NA	5.396	5.309	5.227	5.340	5.350	5.231	5.252	5.401	5.239	5.384	5.365	5.351	5.258	5.157	5.219	5.262	5.034	5.536	4.999	5.288	5.419	5.365	5.210	5.326	
14549514	at	NA	BG070291	NA	NA	7.389	7.029	7.179	7.789	7.389	7.029	7.179	7.789	7.389	7.029	7.179	7.789	7.389	7.029	7.179	7.789	7.389	7.029	7.179	7.789	7.389	7.029	7.179	7.789	7.389
14549515	at	2610037D02Rik	AU024679	Mm.363762	15	5.387	5.309	5.307	5.322	5.351	5.365	5.302	5.328	3.665	5.173	5.200	5.299	5.199	5.163	5.270	5.274	5.319	5.326	5.272	5.466	5.244	5.470	5.341	5.521	5.434
14549516	at	NA	BG070097	NA	NA	8.820	8.319	8.455	8.557	8.570	8.614	8.660	8.551	8.562	8.575	8.632	8.425	8.607	8.562	8.585	8.563	8.543	8.563	8.681	8.682	8.634	8.366	8.693	8.612	
14549517	at	NA	BG069116	NA	NA	6.726	6.687	6.692	6.794	6.548	6.757	6.680	6.683	6.595	6.703	6.956	6.948	6.917	6.768	7.047	6.855	6.770	6.838	6.708	6.868	6.816	6.883	6.663	6.785	
14549518	at	NA	BG062201	NA	NA	6.514	6.342	6.401	6.373	6.293	6.364	6.621	6.366	6.304	6.285	6.427	6.340	6.616	6.506	6.294	6.420	6.099	6.600	6.297	6.258	6.249	6.115	6.546	6.136	
14549519	at	NA	BG068428	NA	NA	4.349	4.322	4.181	4.331	4.181	4.096	4.292	4.252	4.347	4.296	4.328	4.133	4.343	4.230	4.180	4.033	4.181	4.415	4.224	4.064	4.305	4.414	4.193	4.230	
14549520	at	GnB5	AU041329	Mm.17604	9	5.242	5.206	5.349	5.187	5.281	5.163	5.067	5.252	5.265	5.112	5.294	5.027	5.275	4.503	5.146	5.268	5.093	5.339	5.434	5.371	5.199	5.238	5.330	5.439	
14549521	at	NA	BG069339	NA	NA	3.905	3.687	3.782	3.654	3.905	3.687	3.782	3.654	3.905	3.687	3.782	3.654	3.905	3.687	3.782	3.654	3.905	3.687	3.782	3.654	3.905	3.687	3.782	3.654	3.905
14549522	s	at	Gvya	Mm.6375	3	12.589	13.438	12.480	12.491	13.308	12.651	12.719	12.923	13.651	13.455	12.857	13.283	13.331	13.112	12.894	12.530	12.808	12.687	12.743	12.600	12.745	12.802	12.431	12.532	
14549523	at	C85403	C85403	Mm.442000	1	4.661	4.146	4.452	4.356	4.190	4.234	4.261	4.480	4.559	4.202	4.310	4.407	4												

1459571	at	NA	BM218317	NA	NA	6.863	7.089	6.758	6.778	7.069	7.104	6.949	7.060	7.198	7.398	7.163	7.205	7.317	7.175	7.229	6.972	6.966	6.944	7.033	6.636	7.033	7.006	6.985		
1459572	at	C86371	BM067443	Mm.381396	X	3	3.893	3.820	3.845	3.924	3.829	3.968	3.884	3.832	3.863	3.809	4.039	3.868	3.877	3.931	4.117	4.082	4.005	3.944	4.032	3.927	3.903	3.771	3.835	
1459573	at	Bxdc5	BM218875	Mm.28128			7.767	7.507	7.760	7.608	7.508	7.720	7.623	7.751	7.493	7.586	7.740	7.529	7.604	7.560	7.808	7.874	7.634	7.663	7.566	7.701	7.550	7.585	7.831	7.752
1459574	at	C86865	C86865	NA	12	5.235	5.069	5.146	5.161	5.154	5.145	5.371	5.078	5.097	5.087	5.051	4.995	5.009	5.094	5.070	5.300	5.238	5.151	5.087	5.229	5.228	5.294	5.312	5.276	
1459575	at	D1ErtD704e	BM060196	Mm.410481	1	6.129	5.821	5.669	6.010	6.134	5.823	5.820	5.929	5.608	6.126	5.446	5.844	5.864	5.479	5.886	5.876	5.818	5.876	6.025	5.876	6.068	5.775	6.017		
1459576	at	NA	BM068923	NA	NA	7.515	7.300	7.363	7.517	7.572	7.718	7.643	7.440	7.588	7.463	7.548	7.590	7.471	7.566	7.559	7.570	7.647	7.523	7.647	7.463	7.318	7.472	7.518		
1459577	at	NA	BM068995	NA	NA	6.360	6.043	6.331	6.259	6.479	6.422	6.384	6.432	6.452	6.173	6.664	6.038	6.412	6.452	6.251	6.271	6.209	6.182	6.395	6.494	6.329	6.131	6.276	6.202	
1459578	at	AA407175	BM063140	NA	13	6.631	6.324	6.255	6.394	6.236	6.495	6.364	6.120	6.147	6.310	6.272	6.402	6.409	6.303	6.198	6.374	6.381	6.254	6.326	6.393	6.291	6.280	6.498	6.359	
1459579	at	Cacn08	BM066161	Mm.357990	7	5.566	5.277	5.264	5.545	5.339	5.268	5.326	5.418	5.587	5.364	5.497	5.452	5.392	5.479	5.668	5.648	5.561	5.212	5.207	5.209	5.282	5.287	5.511	5.116	
1459580	at	G630055G22Rik	BB714717	Mm.450768	18	4.911	4.514	4.787	4.709	4.358	4.626	4.812	4.739	4.298	4.430	4.647	4.337	4.515	4.401	4.507	4.871	4.536	4.914	4.902	4.626	4.756	4.637	4.659	4.620	
1459581	at	Trp63	BB373025	Mm.20894	16	5.983	5.399	5.415	5.240	5.409	5.529	5.739	5.498	5.548	5.370	5.549	5.597	5.287	5.514	5.676	5.586	5.667	5.948	5.490	5.538	5.560	5.360	5.554	5.701	
1459582	at	NA	BG072687	NA	NA	5.137	5.027	5.055	5.159	5.165	5.074	5.250	5.196	4.970	4.861	5.142	4.954	5.137	4.985	5.002	5.083	5.192	5.241	5.328	5.084	5.220	5.163	5.139	5.046	
1459583	at	NA	AW494311	NA	NA	6.407	6.169	6.450	6.401	6.454	6.446	6.432	6.234	6.308	6.291	6.502	6.287	6.393	6.472	6.397	6.512	6.388	6.283	6.292	6.589	6.400	6.172	6.498	6.389	
1459584	at	Vps24	BB758535	Mm.181278	6	4.602	4.748	4.585	4.644	4.644	4.629	4.688	4.567	4.650	4.651	4.479	4.349	4.597	4.661	4.624	4.650	4.611	4.629	4.776	4.884	4.689	4.641	4.740	4.830	
1459585	at	Gas6	BM069502	Mm.3982	8	7.744	7.667	7.563	7.815	7.691	7.728	7.740	7.751	7.896	7.686	7.638	7.867	7.834	7.677	7.743	7.672	8.004	7.730	7.599	7.881	7.814	7.752	7.739	7.674	
1459586	at	C78452	C78452	NA	8	4.152	3.919	4.142	4.122	3.992	4.154	3.993	4.122	4.302	4.035	4.010	3.948	4.042	4.107	3.957	4.132	4.242	4.117	4.105	4.142	4.188	4.106	4.075	4.012	
1459587	at	Tmco6	BB677805	Mm.135188	18	6.385	5.997	6.417	6.260	6.070	6.201	6.353	6.230	6.221	6.022	5.972	5.994	6.244	6.013	6.268	6.211	5.958	6.188	6.216	6.464	6.263	5.996	6.457	6.453	
1459588	at	NA	AW555526	NA	NA	6.282	6.037	6.414	6.278	6.245	6.163	6.331	6.241	6.043	5.986	6.342	6.180	6.025	6.103	6.254	6.178	6.315	6.212	6.084	6.253	6.184	6.106	6.113	6.157	
1459589	at	Crv1	C85932	Mm.25539	14	9.548	8.824	9.853	9.153	9.086	9.761	9.612	9.211	8.876	9.297	9.564	9.199	9.176	9.158	9.771	9.674	9.310	9.881	9.709	9.865	9.360	9.271	9.477	9.886	
1459590	at	NA	BE980204	NA	NA	6.596	6.612	6.459	6.799	6.799	6.579	6.619	6.679	6.811	6.865	6.621	6.811	6.910	6.646	6.701	6.701	6.687	6.650	6.685	6.596	6.639	6.353	6.810	6.884	
1459591	at	NA	BM069306	NA	NA	3.985	3.810	4.125	3.904	3.985	4.300	4.208	4.034	3.903	3.797	3.973	3.934	3.871	3.933	4.009	4.075	4.023	4.232	4.290	4.009	4.005	3.896	4.007	3.877	
1459592	a	at	Pp01r13l	BB752796	Mm.333640	7	10.640	10.450	10.434	10.292	10.427	10.168	10.303	10.775	10.768	10.716	10.566	10.569	10.677	10.338	10.428	10.450	10.608	10.666	10.373	10.406	10.609	10.492	10.228	10.180
1459593	x	at	Pp01r13l	BB752796	Mm.333640	7	10.370	10.556	10.125	10.036	10.201	9.952	9.802	10.518	10.981	10.557	10.247	10.577	10.500	10.224	10.125	10.238	10.588	10.284	9.969	9.966	10.223	10.139	9.858	9.596
1459594	at	Zfp294	C87237	Mm.249005	16	5.497	5.026	5.268	5.226	5.364	5.159	5.227	5.288	5.113	4.782	5.211	5.146	4.958	5.064	5.045	5.210	5.248	5.060	5.322	5.438	5.460	5.204	5.311	5.168	
1459595	at	NA	AW495413	NA	NA	6.395	6.741	6.618	6.960	7.087	6.865	6.858	7.056	6.807	7.177	6.776	7.176	7.214	6.653	6.837	6.496	7.324	7.254	6.638	6.824	7.291	6.721	6.683	6.615	
1459596	at	NA	AU040259	NA	NA	7.093	6.928	7.006	6.966	7.062	6.958	7.020	7.003	7.026	6.699	7.022	6.921	6.964	7.070	6.862	7.042	6.983	6.999	7.035	6.958	7.065	6.920	6.960	6.962	
1459597	at	Mgn	BM061489	Mm.182746	6	6.901	6.682	6.516	6.659	6.659	6.659	6.389	6.593	6.749	6.761	6.558	6.749	6.515	6.631	6.579	6.611	6.528	6.581	6.628	6.576	6.528	6.613	6.443	6.433	
1459598	at	Hps1	BB751531	Mm.218381	19	7.983	7.847	7.822	7.876	7.787	7.986	7.906	7.901	7.765	7.817	8.027	7.988	7.874	7.987	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	7.988	
1459599	at	NA	BM068194	NA	NA	3.846	3.692	3.825	3.832	3.780	3.895	3.871	3.686	3.651	3.747	3.943	3.713	3.764	3.732	3.742	3.728	3.745	3.869	3.772	3.776	3.395	3.767	3.768	3.704	
1459600	at	NA	BB108652	NA	NA	6.922	6.368	6.490	6.628	6.367	6.481	6.474	6.349	6.365	6.438	6.499	6.152	6.341	6.339	6.419	6.591	6.626	6.433	6.519	6.438	6.937	6.509	6.469	6.661	
1459601	at	Snf1lk	AI648260	Mm.290941	17	5.663	5.149	5.474	5.201	4.921	4.963	5.300	4.794	4.679	4.704	5.487	5.042	5.139	4.919	4.594	5.583	4.120	4.941	4.821	4.206	4.793	5.815	4.999	4.765	
1459602	at	NA	AW488931	NA	NA	6.386	6.215	6.640	6.312	6.489	6.198	6.123	6.316	6.190	6.173	6.476	6.470	6.321	6.250	6.462	6.464	6.247	6.360	6.403	6.400	6.702	6.257	6.312	6.171	6.591
1459603	at	Prelid2	BG072196	Mm.30649	18	7.311	7.276	7.324	7.275	7.245	7.267	7.309	7.400	6.962	7.333	7.272	7.245	7.132	7.262	7.292	7.412	7.523	7.349	7.266	7.404	7.377	7.433	7.238	7.220	
1459604	at	NA	BB283380	NA	NA	6.052	5.754	5.998	5.806	5.974	6.118	6.030	5.946	5.899	5.707	6.061	5.738	6.044	6.088	5.913	6.132	5.811	5.932	6.126	6.107	6.165	5.872	6.197	5.868	
1459605	at	Spa1	BG070057	Mm.22879	19	7.595	7.272	7.613	7.397	7.493	7.576	7.359	7.479	7.532	7.462	7.354	7.723	7.147	7.352	7.502	7.392	7.502	7.392	7.502	7.392	7.502	7.392	7.502	7.392	
1459606	at	C79130	BB752953	Mm.441754	5	4.797	4.583	5.067	4.809	4.725	4.960	5.114	4.792	4.783	4.769	4.720	4.584	4.677	4.786	4.508	4.791	4.698	4.801	4.980	5.023	4.678	4.946	5.007	5.027	
1459607	at	Tlc33	BB284599	Mm.254979	15	5.404	5.191	5.420	5.309	5.252	5.277	5.276	5.491	5.389	5.239	5.460	5.203	5.310	5.335	5.385	5.437	5.547	5.287	5.378	5.588	5.307	5.587	5.664	5.475	
1459608	at	NA	BB471757	NA	NA	6.174	5.854	6.260	6.024	6.206	6.342	6.254	6.092	6.175	6.153	6.275	5.934	6.162	6.092	6.333	6.314	6.123	6.058	6.157	6.214	6.240	6.168	6.371	6.433	
1459609	at	NA	AI875430	NA	NA	6.689	6.537	6.596	6.840	6.824	7.009	6.714	6.251	6.256	6.484	6.409	6.269	6.415	6.409	6.333	6.830	6.641	6.732	6.607	6.588	6.658	6.289	6.395	6.715	
1459610	at	C87490	BG067784	Mm.426628	2	7.070	6.929	7.047	7.138	7.026	6.878	7.165	7.358	7.039	7.102	7.068	7.061	7.215	6.887	7.080	7.078	7.083	7.228	7.152	7.289	6.989	7.282	7.056	7.172	7.075
1459611	at	Mdp3	BB094170	Mm.20449	11	7.584	7.389	7.534	7.609	7.487	7.511	7.519	7.729	7.334	7.453	7.494	7.455	7.427	7.433	7.344	7.645	7.621	7.619	7.571	7.626	7.457	7.392	7.651	7.698	
1459612	at	NA	BM063611	NA	NA	6.691	6.632																							

1459660	at	NA	BE944772	NA	NA	6.840	6.492	6.748	6.759	6.631	6.741	6.719	6.820	6.801	6.625	6.654	6.744	6.580	6.617	6.887	6.793	6.748	6.791	6.824	6.639	6.870	6.622	6.746	6.751
1459661	at	AW492955	AW492955	Mm.284719	13	4.172	4.105	4.314	4.127	4.146	3.970	4.124	4.116	4.078	4.095	4.072	4.111	4.190	4.165	4.152	4.178	4.000	4.199	4.244	4.242	4.201	4.240	4.207	4.166
1459662	at	NA	BE945018	NA	NA	4.362	4.222	4.160	4.213	4.108	4.239	4.221	4.349	4.178	4.116	4.225	4.188	4.241	4.372	4.169	4.153	4.069	4.204	4.254	4.261	4.203	4.181	4.409	4.234
1459663	at	NA	BB750476	NA	NA	5.182	5.259	5.200	5.390	5.297	5.129	5.416	5.283	5.406	5.294	5.685	5.141	5.141	5.403	5.287	5.168	5.239	5.324	5.342	5.342	5.149	5.379	5.239	
1459664	at	Ww31	BB711855	Mm.155573	4	4.989	4.982	4.950	5.111	4.947	4.848	4.831	5.178	5.258	4.785	4.914	4.123	5.007	4.934	4.615	5.001	5.057	5.027	4.989	4.924	4.980	4.964	4.931	
1459665	at	Mrv1	BB800078	Mm.250023	7	7.467	7.404	7.665	7.989	7.754	8.053	7.584	7.716	7.660	7.463	7.117	7.610	7.456	4.998	7.767	7.602	8.082	8.161	7.626	7.657	7.883	8.117	7.767	7.620
1459666	at	Trak1	BB821080	Mm.305318	9	8.636	8.981	8.322	8.538	9.040	8.608	8.667	8.692	9.009	9.092	8.772	8.916	9.042	8.772	8.754	8.604	8.504	8.525	8.577	8.485	8.743	8.499	8.589	8.528
1459667	at	Arhqaap17	BB749468	Mm.403318	7	8.834	8.810	8.998	8.973	8.956	9.040	8.922	8.808	8.996	9.137	8.808	9.019	9.160	9.249	9.004	9.055	8.873	8.850	9.061	9.074	8.937	8.903	9.064	8.539
1459668	at	NA	B1319389	NA	NA	5.118	5.116	4.995	4.785	4.909	4.829	5.047	4.967	5.386	5.097	5.113	4.871	4.730	5.001	4.985	5.017	4.761	4.878	5.117	4.501	4.980	4.814	5.128	5.100
1459669	at	NA	AW913782	NA	NA	6.793	6.442	6.576	6.760	6.828	6.686	6.700	6.753	6.685	6.369	6.648	6.410	6.722	6.498	6.442	6.548	6.741	6.807	6.727	6.947	6.676	6.512	6.763	6.915
1459670	at	NA	AI503931	NA	NA	5.730	6.143	6.632	5.675	5.641	5.729	5.911	5.731	5.387	6.001	5.331	5.609	5.520	5.275	5.619	5.539	5.788	5.700	5.637	5.412	5.572	5.704	6.013	5.486
1459671	at	NA	AI849016	NA	NA	5.198	5.161	5.338	5.339	5.309	5.295	5.456	5.296	4.724	5.108	5.418	5.158	5.079	5.195	5.335	5.338	5.329	5.267	5.432	5.489	5.441	5.435	5.371	5.379
1459672	at	NA	BG797387	NA	NA	5.549	5.531	5.550	5.473	5.480	5.500	5.492	5.678	5.442	5.408	5.674	5.363	5.551	5.295	5.459	5.653	5.688	5.517	5.510	5.624	5.544	5.623	5.490	5.418
1459673	at	Gf13c1	BB171591	Mm.294173	7	5.344	5.183	5.135	5.143	5.457	5.184	5.234	5.262	5.036	5.208	5.008	5.318	5.190	5.189	5.319	5.131	4.554	5.333	5.262	5.124	5.069	5.264	5.282	5.165
1459674	at	NA	AW907492	NA	NA	6.675	6.497	6.646	6.860	6.710	6.743	7.002	6.922	6.718	6.696	6.884	6.879	6.676	6.837	6.592	6.736	6.799	6.642	6.846	6.875	6.736	6.689	6.805	6.543
1459675	at	NA	BG060627	NA	NA	5.293	4.826	5.130	5.317	5.327	5.241	5.291	5.136	5.565	5.374	5.184	5.497	5.599	5.065	5.243	5.340	5.222	5.188	5.384	5.449	5.319	5.457	5.209	5.358
1459676	at	Tt1c5	AW491903	Mm.132006	12	7.465	7.234	7.281	7.418	7.005	7.710	7.251	7.347	7.250	7.063	7.385	7.141	7.240	7.202	7.299	7.340	7.278	7.076	7.423	7.396	7.196	7.171	7.393	7.242
1459677	at	NA	BE134355	NA	NA	6.790	6.533	6.858	6.801	6.673	6.930	6.832	6.867	6.586	6.492	6.700	6.647	6.655	6.626	6.864	6.810	7.292	7.006	6.948	7.009	6.799	6.996	6.911	6.722
1459678	at	LOC497255	AI415469	Mm.23084	NA	7.472	7.509	7.364	7.621	7.484	7.248	7.267	7.849	7.595	7.528	7.332	7.739	7.722	7.388	7.506	7.067	7.655	7.508	7.342	7.445	7.687	7.636	7.456	7.105
1459679	s at	Myv01b	AA406997	Mm.3390	1	7.761	8.344	7.697	7.844	7.806	7.808	7.699	7.876	8.182	8.279	8.473	8.035	8.128	8.324	7.875	7.777	7.948	7.746	7.706	7.640	7.647	7.853	7.868	7.522
1459680	at	NA	BG797623	NA	NA	6.539	6.847	6.456	6.294	6.565	6.640	6.507	6.565	6.402	6.548	6.384	6.483	6.262	6.453	6.045	6.381	6.559	6.825	6.343	6.381	6.646	6.656	6.901	6.051
1459681	at	NA	AI451554	NA	NA	4.907	4.797	4.725	4.953	4.794	4.989	4.893	4.925	4.970	4.900	4.962	4.870	4.967	4.902	4.795	4.732	4.840	4.868	5.066	4.843	5.001	4.887	4.945	4.821
1459682	at	EG434249	AW060884	Mm.334269	7	5.031	4.782	4.683	4.864	4.850	4.862	4.854	5.022	4.664	4.971	4.868	4.910	4.858	4.672	4.733	4.845	4.879	4.831	4.839	5.148	4.671	5.082	5.045	5.002
1459683	at	ENSMSUG000000	AW123906	Mm.250796	14	5.492	5.395	5.570	5.515	5.421	5.496	5.370	5.561	5.550	5.539	5.486	5.435	5.518	5.388	5.259	5.402	5.779	5.430	5.374	5.336	5.548	6.132	5.665	5.708
1459684	at	LOC72758	BB361965	Mm.245636	13	3.848	3.968	3.886	4.028	3.847	4.035	3.997	4.069	3.879	3.731	4.044	3.950	3.914	3.858	3.877	3.782	4.087	3.964	3.901	4.025	3.871	3.902	3.851	3.969
1459685	at	C77683	BG068604	NA	9	8.316	7.653	8.132	7.976	8.074	7.835	8.166	8.078	8.284	7.800	8.126	7.823	8.040	8.125	7.884	7.928	8.175	7.998	8.000	8.278	8.055	7.776	8.152	7.960
1459686	at	NA	B6338	NA	NA	6.538	6.462	6.622	6.565	6.452	6.574	6.458	6.471	6.256	6.374	6.122	6.376	6.322	6.470	6.322	6.470	6.352	6.496	6.325	6.427	6.249	6.249	6.249	6.249
1459687	at	NA	BG725729	NA	NA	5.390	3.779	5.130	5.222	5.077	5.222	5.077	5.435	5.201	5.233	5.145	5.101	5.258	5.225	5.248	5.350	5.287	5.319	5.505	5.240	5.286	5.330	5.490	5.490
1459688	at	NA	AI586323	NA	NA	5.471	5.722	5.406	5.583	5.456	5.550	5.509	5.648	5.779	5.713	5.506	5.521	5.622	5.865	5.585	5.522	5.312	5.396	5.229	5.446	5.290	5.218	5.508	5.436
1459689	at	NA	BE331869	NA	NA	5.151	5.211	5.022	5.210	5.128	5.240	5.463	5.114	5.215	5.453	5.269	5.185	5.236	5.176	5.240	5.204	5.221	5.366	5.255	5.084	5.449	5.152	5.191	5.336
1459690	at	Zfp426	AI451513	Mm.297660	9	6.770	6.426	7.130	6.880	6.912	7.095	6.912	6.902	6.955	6.735	6.792	6.817	6.953	6.934	6.978	7.071	7.148	6.952	6.892	7.151	7.004	6.728	6.823	6.903
1459691	at	NA	BB244177	NA	NA	6.720	6.525	7.000	7.075	6.412	7.178	6.927	6.689	6.597	6.776	6.634	6.813	7.179	6.716	6.855	7.038	6.758	7.131	6.897	6.866	6.700	6.709	6.257	7.008
1459692	at	AI661323	Mm.384142	17	4.912	4.330	4.715	4.647	4.558	4.588	4.630	4.598	4.596	4.555	4.552	4.459	4.566	4.574	4.429	4.460	4.460	4.491	4.618	4.712	4.715	4.659	4.543	4.619	4.773
1459693	x at	Ywhaa	BB800086	Mm.233613	5	4.123	4.250	4.136	4.006	3.983	4.035	4.273	4.031	3.840	4.053	4.171	3.969	3.866	4.191	3.987	4.150	3.946	4.062	3.920	4.042	3.958	4.237	4.196	4.560
1459694	at	BB128988	AI428559	Mm.23492	4	6.252	6.081	6.236	5.945	5.993	5.869	6.150	5.395	5.123	5.276	6.131	6.395	6.285	6.107	6.037	6.193	6.284	6.067	6.046	6.362	6.280	6.362	6.196	6.197
1459695	at	NA	AU400352	NA	NA	7.578	7.131	7.833	7.865	7.853	8.269	7.976	7.508	7.106	7.718	6.999	7.913	7.829	7.761	7.877	7.709	8.524	8.520	8.504	8.512	7.774	8.149	7.876	7.666
1459696	at	Frv	AI844428	Mm.216590	4	7.372	7.017	7.133	7.342	7.150	7.081	7.223	7.303	7.229	6.918	7.377	6.961	7.208	7.299	7.145	7.131	7.220	7.269	7.281	7.416	7.207	6.975	7.327	7.045
1459697	at	NA	BG068800	NA	NA	4.095	4.211	4.271	4.215	4.252	4.245	4.225	4.052	4.250	4.210	4.388	4.424	4.170	4.307	4.276	4.310	4.395	4.567	4.439	4.457	4.254	4.262	4.235	4.224
1459698	at	NA	BM123577	NA	NA	6.254	6.253	6.579	6.528	6.639	6.517	6.126	6.147	6.562	6.308	6.037	6.323	6.083	5.918	6.533	6.329	6.662	6.604	6.443	6.240	6.225	6.065	6.638	5.862
1459699	at	NA	AI849045	NA	NA	5.702	5.574	5.875	5.704	5.541	5.502	5.845	5.513	5.512	5.514	5.673	5.585	5.665	5.458	5.878	5.745	5.508	5.642	5.722	5.848	5.770	5.664	5.737	5.627
1459700	at	Lemd3	AI561826	Mm.339371	10	6.658	6.394	6.488	6.381	6.361	6.356	6.313	6.349	6.332	6.267	6.455	6.588	6.300	6.247	6.245	6.158	6.592	6.527	6.474	6.443	6.458	6.624	6.255	6.394
1459701	x at	Ywhaa	AI461458	NA	NA	4.614	4.079	4.548	4.761	4.614	4.409	4.761	4.614	4.409	4.761	4.614													

1459749	s	at	Fat4	BB536078	Mm.316210	3	6.508	6.676	6.930	7.070	7.352	7.188	7.065	6.809	7.092	7.424	6.890	7.510	7.542	7.213	7.215	6.965	6.576	7.094	6.793	6.784	6.428	6.898	6.588	6.869
1459750	s	at	Gpr123	AU015577	Mm.39863	7	4.394	4.138	4.084	4.272	4.115	4.124	4.084	4.179	4.238	4.183	4.298	4.288	4.199	4.176	4.085	4.288	4.288	4.207	4.108	4.420	4.326	4.145	4.200	4.165
1459751	s	at	Pp0r116a	R75527	Mm.322901	15	9.915	10.146	9.719	9.890	10.103	9.910	9.816	10.158	10.115	10.007	9.827	10.006	9.985	9.885	9.746	9.817	10.208	10.034	9.865	9.859	9.960	10.010	9.795	9.676
1459752	at		Mcc	BB138871	Mm.312511	18	4.760	4.588	4.751	4.774	4.453	4.444	4.747	5.027	4.809	4.850	4.858	4.776	4.803	4.850	4.707	4.637	4.664	4.760	4.675	4.715	4.912	4.641	4.829	4.775
1459753	x	at	NA	BB121070	NA	NA	5.487	5.398	5.533	5.563	5.492	5.535	5.489	5.434	5.465	5.232	5.340	5.484	5.431	5.609	5.427	5.694	5.693	5.407	5.694	5.693	5.697	5.694	5.300	5.723
1459754	x	at	Eef1d	BB095432	Mm.258927	15	7.715	7.028	7.388	7.432	7.370	7.384	7.384	7.531	7.185	7.220	7.183	7.420	7.406	7.378	7.225	7.462	7.384	7.429	7.112	7.429	7.811	7.449	7.361	7.405
1459755	x	at	1700082C02Rik	AV205775	Mm.443301	17	4.351	4.514	4.456	4.566	4.292	4.481	4.626	4.302	4.200	4.426	4.423	4.324	4.419	4.470	4.453	4.463	4.461	4.450	4.534	4.593	4.571	4.508	4.641	4.675
1459756	at		Cn0t10	AV301999	Mm.283708	9	9.265	8.797	9.058	9.114	8.976	9.119	9.104	9.181	9.045	8.955	9.045	9.120	8.989	8.985	9.054	9.143	9.175	9.231	9.150	9.094	9.007	9.256	9.165	9.089
1459757	x	at	Cn0t10	AV301999	Mm.283708	9	9.208	8.878	9.073	9.107	8.858	8.877	8.871	9.016	8.991	8.865	8.964	8.994	8.914	8.840	8.970	9.092	9.055	9.127	9.022	9.043	9.171	9.147	8.974	9.101
1459758	at		Ust1	BB385241	Mm.8	1	6.877	6.576	7.043	6.725	6.700	6.895	6.867	6.855	6.822	6.587	7.039	6.678	6.801	6.703	7.042	6.929	6.762	6.821	6.795	6.955	6.763	6.687	6.900	6.922
1459759	s	at	1700065117Rik	AV047076	Mm.87057	18	6.737	6.703	6.968	6.893	6.895	6.667	6.750	6.913	6.632	6.634	6.679	6.651	6.767	6.833	6.710	6.943	6.620	6.943	6.754	6.909	6.803	6.783	6.712	6.812
1459760	at		Nduf54	BE852624	Mm.253142	13	5.038	5.035	4.900	5.080	4.944	5.300	5.212	4.982	4.863	4.780	5.113	4.835	4.834	4.829	5.032	5.209	5.043	5.362	5.037	5.316	5.036	4.984	5.194	5.063
1459761	x	at	Cadm2	BB342841	Mm.440473	16	7.269	6.461	7.157	7.155	7.118	7.303	7.347	6.780	7.008	6.806	7.268	6.897	7.064	7.242	7.163	7.067	6.949	7.078	7.293	7.456	6.977	6.996	7.159	7.223
1459762	x	at	NA	AV338810	NA	NA	3.823	3.891	4.295	3.816	3.909	3.982	4.086	3.856	3.680	3.910	4.136	3.993	3.903	3.992	4.013	3.942	3.780	3.964	4.098	4.128	3.924	3.972	4.049	4.025
1459763	at		NA	AV205260	NA	NA	6.264	6.020	6.347	6.167	6.263	5.935	6.299	6.089	5.877	5.995	6.134	6.110	6.063	5.895	6.259	6.364	6.244	6.325	6.349	6.403	6.266	6.221	6.473	6.553
1459764	x	at	Snx10	BB256262	Mm.294166	6	6.499	6.046	6.409	6.227	6.262	6.096	6.554	6.175	6.089	6.289	6.591	6.192	6.175	6.226	6.396	6.457	6.056	6.100	6.163	6.309	6.373	6.311	6.495	6.526
1459765	s	at	Sf1	BB055869	Mm.256422	19	13.710	13.707	13.846	13.793	13.502	13.752	13.737	13.218	13.617	13.711	13.747	13.530	13.581	13.787	13.673	13.828	13.446	13.560	13.623	13.646	13.495	13.501	13.913	13.908
1459766	x	at	Sf1	BB055869	Mm.256422	19	12.226	11.803	12.571	12.056	11.867	12.163	12.055	11.842	11.954	12.095	12.081	11.840	11.745	11.903	12.199	12.128	12.017	12.197	12.144	12.193	12.061	12.034	12.227	12.600
1459767	x	at	Vcan	BB376130	Mm.158700	13	6.493	6.022	6.255	6.254	6.214	6.183	6.313	6.450	6.154	6.033	6.327	5.825	6.065	6.155	6.195	6.138	6.460	6.300	6.286	6.533	6.439	6.080	6.401	6.516
1459768	x	at	Rap1nd1	BB265613	Mm.28893	3	6.555	5.875	6.765	6.510	6.083	6.236	6.303	6.329	6.180	6.189	6.473	5.754	6.125	6.348	6.370	6.489	6.379	6.374	6.460	6.705	6.526	6.185	6.515	6.524
1459769	at		BC048609	AV047011	Mm.437186	19	5.236	4.894	5.233	5.105	4.978	4.930	5.066	4.858	4.815	4.881	4.798	5.115	4.822	4.764	5.102	5.006	5.086	4.994	4.893	5.109	5.025	5.070	5.111	5.262
1459770	at		Taoa1	BB217413	Mm.340436	11	7.005	6.484	6.713	6.573	6.579	6.859	6.706	6.820	6.514	6.651	6.831	6.457	6.668	6.857	6.824	6.846	6.722	6.757	6.857	7.052	6.854	6.752	7.300	6.657
1459771	x	at	Phca	BB361171	Mm.334041	7	5.583	5.564	5.585	5.412	5.696	5.455	5.207	5.390	5.733	5.426	5.274	5.684	5.458	5.402	5.411	5.292	5.656	5.639	5.359	5.593	5.460	5.632	5.165	5.359
1459772	at		Hps3	BB283211	Mm.291533	3	5.061	4.909	5.151	4.986	4.953	4.968	5.098	5.104	4.940	4.987	4.969	4.959	4.950	5.096	4.939	5.062	5.100	5.153	4.997	4.974	5.153	5.063	5.308	5.072
1459773	x	at	Snip1	BB097174	Mm.475915	4	9.509	9.537	9.649	9.487	9.491	9.606	9.611	9.243	9.361	9.546	9.443	9.246	9.414	9.553	9.973	9.686	9.224	9.470	9.581	9.640	9.355	9.195	9.680	9.711
1459774	at		NA	Ai662002	NA	NA	7.078	7.013	6.823	6.929	7.171	6.927	6.834	7.141	6.938	6.999	6.889	6.969	7.161	6.777	6.906	6.903	6.929	6.798	6.732	6.781	6.862	7.036	7.039	6.859
1459775	x	at	NA	BB132707	NA	NA	7.907	7.900	7.868	7.903	7.867	7.877	7.877	8.000	7.874	7.866	7.874	7.866	8.111	7.872	8.137	8.152	8.187	8.187	8.187	8.187	8.187	8.187	8.187	8.187
1459776	x	at	NA	BB270750	NA	NA	8.054	7.744	8.107	8.053	8.034	8.200	8.147	7.873	8.007	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987	7.987
1459777	at		Il1r1	BB042447	Mm.896	1	4.064	3.900	4.380	4.110	4.013	4.038	3.889	4.001	4.054	3.953	4.091	3.959	4.014	3.997	4.081	4.053	4.044	4.039	4.117	4.120	4.063	3.818	4.104	3.816
1459778	at		NA	BB156696	NA	NA	8.053	7.501	7.951	7.661	7.633	7.947	8.005	7.713	7.541	7.688	7.859	7.278	7.632	7.644	7.810	7.995	7.594	7.913	7.858	8.221	7.728	7.746	7.736	8.095
1459779	s	at	Setd8	BB471743	Mm.137966	5	4.091	4.158	3.955	4.141	4.208	4.082	4.076	4.238	4.083	4.281	3.972	4.276	4.149	4.195	4.332	3.914	4.072	4.098	4.230	3.932	4.018	3.963	4.155	4.113
1459780	at		Trp53	BB346914	Mm.222	11	3.987	4.079	3.869	4.020	3.890	3.776	3.928	3.977	3.917	3.828	3.856	3.976	3.802	3.844	3.830	3.978	4.060	3.870	3.755	3.755	3.895	4.071	3.942	3.942
1459781	x	at	NA	BB346914	NA	NA	4.194	3.835	4.012	4.015	3.972	3.880	3.954	3.930	3.874	3.804	3.997	4.006	4.002	3.968	3.962	3.941	3.936	4.059	3.893	3.917	3.969	3.615	3.933	4.092
1459782	x	at	Abcc5	BB138279	Mm.20845	16	6.355	6.197	5.973	6.386	6.456	6.266	6.270	6.438	6.677	6.459	6.433	6.564	6.586	6.267	6.226	6.120	6.266	6.214	6.059	6.100	6.442	6.301	6.380	6.054
1459783	x	at	NA	BB216155	NA	NA	10.185	10.185	9.932	9.739	9.703	9.932	9.783	9.749	9.531	10.075	9.855	9.923	9.907	9.923	9.923	9.923	9.923	9.923	9.923	9.923	9.923	9.923	9.923	9.923
1459784	x	at	Ln3p2	BB521298	Mm.324550	8	10.441	10.067	10.433	10.300	10.384	10.146	10.308	10.237	10.219	10.176	10.351	10.089	10.346	10.265	10.366	10.395	10.280	10.103	10.299	10.458	10.228	9.962	10.299	10.410
1459785	at		Zfp328	AV007123	Mm.333743	7	4.978	4.722	4.785	4.622	4.793	4.879	5.032	4.568	4.895	4.660	4.819	4.737	4.842	4.816	4.734	4.770	4.706	4.785	4.797	5.046	4.862	4.608	4.922	4.890
1459786	at		NA	BF152877	NA	NA	4.103	3.982	4.005	4.151	4.130	4.065	4.112	4.042	4.161	3.899	4.033	4.004	3.991	3.997	4.135	4.170	4.291	3.979	4.148	4.083	4.078	4.035	4.242	4.196
1459787	at		NA	BE992875	NA	NA	6.228	5.756	5.948	5.986	6.041	6.067	5.992	5.971	5.830	5.952	6.059	6.002	5.969	5.963	6.114	6.142	6.035	5.989	6.056	5.927	5.916	5.948	6.128	5.951
1459788	at		Gpr107	BB115649	Mm.236704	2	8.638	8.279	8.285	8.492	8.309	8.313	8.502	8.601	8.478	8.171	8.575	8.112	8.077	8.495	8.162	8.267	8.080	8.286	8.324	8.299	8.359	8.251	8.355	8.358
1459789	at		NA	BB360021	NA	NA	3.780	3.579	3.55																					

1459838	s	at	Btbd11	BB230894	Mm.36544	10	6.479	6.546	7.134	7.355	7.061	7.475	6.885	6.277	6.139	6.253	6.594	6.181	6.263	6.148	6.320	6.939	6.982	7.016	6.938	6.767	7.252	6.754	7.089		
1459839	x	at	Btbd11	BB230894	Mm.36544	10	6.445	6.272	6.363	6.470	6.451	6.480	6.486	6.038	6.169	5.996	6.390	6.088	6.162	6.328	6.099	6.373	6.367	6.339	6.594	6.413	6.372	6.651	6.583	6.616	
1459840	s	at	Ccdc2Bb	AV365721	Mm.383215	4	6.547	7.448	7.272	7.370	7.149	7.269	7.332	8.028	7.558	7.423	6.156	8.383	8.308	7.677	7.015	7.080	7.654	7.565	7.404	6.986	7.415	7.233	6.647	6.566	
1459841	x	at	Latm5	BB264849	Mm.271868	4	6.039	6.053	5.887	5.973	6.049	5.869	6.161	5.737	5.932	6.203	5.996	5.993	6.058	6.244	5.965	6.107	5.679	5.868	5.757	5.921	5.836	5.540	5.696	6.003	
1459842	x	at	Nubp2	AV035368	Mm.36718	17	7.514	7.953	7.309	7.487	7.729	7.625	7.644	7.812	7.784	7.743	7.559	7.719	7.753	7.812	7.658	7.288	7.814	7.632	7.815	7.654	7.642	7.622	7.472	7.301	
1459843	at	Smad1	BB257769	Mm.223717	8	8.912	9.137	8.829	8.650	8.901	8.877	8.622	9.037	9.062	9.282	10.189	9.201	9.264	9.101	9.401	8.804	8.391	8.333	8.804	8.299	8.888	9.096	8.992	8.914		
1459844	at	Na	BB309694	NA	NA	NA	5.339	4.870	5.154	5.500	4.983	5.217	5.221	4.992	5.313	5.257	5.072	5.100	5.137	5.160	5.182	5.219	4.923	5.055	5.288	5.014	4.929	4.983	5.311	5.208	
1459845	at	Na	AW558581	NA	NA	NA	5.595	5.706	5.710	5.642	5.460	5.700	5.811	5.461	5.527	5.492	5.562	5.619	5.372	5.523	5.464	5.754	5.667	5.871	5.727	5.657	5.830	5.340	5.841	5.591	
1459846	x	at	Cnpy2	AV100225	Mm.44220	10	11.391	10.810	11.164	11.376	11.183	11.175	11.371	11.202	10.914	10.923	11.656	11.179	11.172	11.190	11.244	11.355	11.310	11.110	11.188	11.390	11.243	11.304	11.383	11.398	
1459847	x	at	Gfra2	AV354240	Mm.32619	14	6.035	6.393	6.305	6.120	5.973	5.988	6.067	5.942	6.013	5.872	6.246	5.764	6.121	6.282	5.667	6.068	5.816	5.784	5.965	5.889	5.911	5.529	6.032	5.875	
1459848	x	at	Dbh	BB484332	Mm.167781	2	8.588	8.561	8.461	8.786	8.592	8.804	8.666	8.697	8.540	8.485	8.847	8.518	8.606	8.647	8.618	8.494	9.277	8.948	8.918	8.896	9.102	8.980	8.702	8.830	
1459849	x	at	Vcpn1	BB240193	Mm.274493	1	3.671	3.563	3.705	3.569	3.711	3.712	3.841	3.591	3.665	3.673	3.684	3.691	3.825	3.675	3.703	3.750	3.677	3.569	3.631	3.819	3.698	3.691	3.647	3.615	
1459850	x	at	Grb	BB345174	Mm.275639	3	5.537	5.250	5.627	5.542	5.939	6.364	5.849	5.558	5.667	5.976	5.333	5.508	5.501	5.550	5.773	5.635	6.026	6.142	6.134	5.869	5.843	5.791	5.856	5.705	
1459851	x	at	RioK1	AV348356	Mm.297130	13	6.564	6.250	6.436	6.548	6.402	6.712	6.379	6.278	6.468	6.254	6.467	6.157	6.341	6.390	6.353	6.497	6.441	6.343	6.237	6.535	6.323	6.392	6.366	6.588	
1459852	x	at	TriB2	BB343914	Mm.266679	12	3.773	4.005	3.772	3.849	3.709	4.020	3.896	3.877	3.950	3.882	3.964	3.865	3.856	3.846	3.828	3.898	3.896	3.931	3.887	3.873	3.842	3.958	3.797	3.816	
1459853	x	at	Na	AV312901	NA	NA	9.839	9.691	9.958	9.665	9.654	9.804	9.806	9.434	9.525	9.733	9.817	9.726	9.638	9.649	9.664	9.779	9.687	9.716	9.800	9.547	9.474	9.782	9.903	9.888	
1459854	s	at	Dynl13	AV059518	Mm.29150	X	11.640	11.830	11.706	11.623	11.640	11.578	11.726	11.781	11.896	11.939	11.472	11.895	11.739	11.690	11.768	11.651	11.602	11.554	11.573	11.375	11.635	11.895	11.598	11.530	
1459855	s	at	Actr1a	AV323698	Mm.3118	19	7.007	6.781	7.149	6.795	6.858	6.955	6.923	7.070	6.985	6.842	6.945	6.982	6.891	7.080	7.093	6.945	7.075	7.313	7.163	7.414	7.054	7.171	7.088	7.038	
1459856	at	Na	BB444619	NA	NA	NA	4.766	4.947	4.852	4.737	4.915	4.916	4.727	4.894	4.838	5.058	4.822	4.688	4.745	4.813	4.942	4.561	4.877	4.918	4.713	4.861	4.609	4.851	5.009	4.911	
1459857	at	Usp32	BG071170	Mm.178524	11	8.365	8.032	8.612	8.542	8.285	8.548	8.604	8.373	8.146	8.075	8.256	8.360	8.652	8.629	8.596	8.723	8.528	8.496	8.657	8.568	8.461	8.579	8.724	8.946		
1459858	x	at	Crtac1	AV354465	Mm.313558	19	5.276	5.033	5.311	5.246	5.229	5.240	5.355	5.173	5.101	4.960	5.222	5.168	5.085	5.109	5.234	5.492	5.396	5.205	5.174	5.386	5.566	5.211	5.353	5.324	
1459859	x	at	Chrac1	BB297047	Mm.23095	15	9.973	10.001	9.658	10.020	10.067	9.936	9.933	10.385	9.779	9.637	9.713	10.012	9.990	9.575	9.716	9.692	10.672	10.531	10.177	10.166	10.531	10.774	9.923	9.697	
1459860	x	at	Trim2	BB466780	Mm.44876	3	8.631	8.095	8.735	8.529	8.833	8.697	8.666	9.140	8.869	8.919	8.732	9.086	9.131	8.919	8.908	8.575	8.547	8.842	8.539	8.406	8.583	8.780	9.076	8.612	
1459861	s	at	OTTMUSG000000	AV221085	Mm.458222	4	9.494	9.909	9.629	9.580	9.566	9.512	9.563	9.751	9.539	9.695	9.604	9.703	9.693	9.779	9.621	9.701	9.582	9.458	9.379	9.271	9.435	9.668	9.667	9.560	
1459862	at	Na	BE953124	NA	NA	NA	4.229	4.242	4.312	4.432	4.412	4.297	4.287	4.187	4.240	4.057	4.275	4.075	4.121	4.101	4.197	4.084	4.158	4.408	4.304	4.056	4.068	4.000	4.180	4.160	
1459863	x	at	Gaa1	BB006096	Mm.251331	15	5.947	5.923	5.910	6.005	6.061	6.005	5.828	6.104	5.997	5.938	6.113	5.931	6.033	5.966	6.048	5.901	6.318	5.957	5.909	6.112	6.092	6.232	6.131	5.940	
1459864	x	at	GpiIv6	BB025352	Mm.270033	5	5.351	5.252	5.725	5.682	5.892	5.572	5.885	5.714	5.683	5.682	5.714	5.683	5.682	5.714	5.683	5.682	5.714	5.683	5.682	5.714	5.683	5.682	5.714	5.683	
1459865	x	at	Na	AV276395	Mm.25657	9	10.497	10.214	10.212	10.245	10.240	10.214	10.303	10.348	10.211	10.240	10.214	10.240	10.214	10.240	10.214	10.240	10.214	10.240	10.214	10.240	10.214	10.240	10.214	10.240	
1459866	x	at	Cyfp10	AV239190	Mm.37249	7	10.810	11.113	10.618	10.590	10.585	10.748	10.794	10.943	11.042	11.079	10.823	10.747	11.036	11.178	10.949	10.576	10.671	10.542	10.734	10.762	10.747	10.835	10.850	10.738	
1459867	x	at	Unc45a	BB464342	Mm.243024	7	7.645	7.644	7.524	7.661	7.761	7.612	7.575	7.835	7.923	7.546	7.645	7.851	7.716	7.815	7.442	7.606	7.799	7.773	7.629	7.527	7.758	7.795	7.512	7.534	
1459868	x	at	LOC100038993	AV313111	Mm.458019	4	5.228	5.301	5.233	5.286	5.222	5.261	5.256	5.245	5.421	5.425	5.505	5.256	5.424	5.172	5.262	5.068	5.282	5.396	5.035	5.220	5.479	5.365	5.279	5.138	
1459869	x	at	4930402E16Rik	BB079116	Mm.370024	8	11.291	11.027	11.325	11.313	11.237	11.350	11.348	11.115	10.680	10.850	10.893	11.202	10.831	10.813	11.198	11.265	11.352	11.398	11.258	11.360	11.271	11.524	11.544	11.524	
1459870	x	at	Na	BB243653	NA	NA	6.861	6.768	6.729	6.861	6.674	6.846	6.776	6.739	6.780	6.640	6.887	6.625	6.778	6.777	6.678	6.767	6.704	6.841	6.704	6.899	6.774	6.838	6.852	6.783	6.708
1459871	x	at	2-Mar	AV349152	Mm.374865	17	10.871	10.425	11.067	10.975	10.792	10.812	10.960	11.110	10.503	10.545	10.480	10.829	10.562	10.332	10.794	10.892	11.189	10.989	10.985	10.870	11.215	11.317	11.018	11.025	
1459872	x	at	H2-Dma	BB631965	Mm.38878	17	7.427	7.033	7.562	7.399	7.266	7.067	7.537	7.033	7.265	7.095	7.266	7.016	7.231	7.390	7.832	7.719	7.997	7.720	7.994	7.720	7.994	7.720	7.994	7.720	
1459873	x	at	Maed2	BB050033	Mm.22575	X	5.174	5.546	5.235	5.136	5.389	5.408	5.152	5.071	6.088	5.830	5.328	5.262	5.580	5.647	5.561	5.082	5.549	5.459	5.595	5.273	5.084	5.230	5.211	5.188	
1459874	s	at	Mtmr4	AV271428	Mm.399376	11	9.032	9.056	9.140	9.010	8.907	8.978	8.881	8.547	9.185	9.245	8.360	9.086	8.866	9.053	8.806	9.015	8.836	8.941	8.834	8.561	9.227	9.379	9.169	9.094	
1459875	x	at	5730494M16Rik	AV333371	Mm.263189	18	7.007	7.771	7.067	7.283	7.599	7.327	7.285	7.662	7.889	7.388	7.378	7.652	7.703	7.747	7.317	6.926	7.718	7.526	7.447	7.442	7.412	7.720	7.233	7.221	
1459876	x	at	Na	BB501201	NA	NA	8.857	8.958	8.823	8.891	8.997	9.134	8.796	9.290	8.847	8.837	8.943	9.370	9.095	8.565	9.288	8.687	9.227	9.655	8.880	8.802	9.338	9.420	9.717	8.355	
1459877	x	at	Rnf185	BB144036	Mm.136973	11	10.412	10.236	10.423	10.349	10.343	10.418	10.441	10.442	10.308	10.286	10.227	10.529	10.361	10.374	10.371	10.499	10.403	10.415</							

1459929	at	Zfp568	AI158971	Mm.322432	7	6.937	7.351	5.984	6.347	6.429	5.775	6.242	6.600	6.857	6.592	6.369	6.103	6.594	6.358	6.112	6.107	5.952	5.336	6.758	6.448	6.116	6.337			
1459930	at	NA	BG079879	NA	NA	6.395	5.897	6.340	6.172	6.075	6.398	6.368	5.911	5.548	5.851	5.668	6.057	5.923	5.609	6.071	6.665	5.989	6.151	6.204	6.331	6.108	6.078	6.338	5.993	
1459931	a	at	AA543171	NA	NA	7.111	6.646	6.789	6.759	6.671	6.701	6.673	6.926	6.450	6.439	6.616	6.430	6.603	6.641	6.642	6.809	7.249	6.989	7.261	6.801	6.787	6.912	6.764	6.723	
1459932	at	DBErtD28e	C76612	NA	8	3.941	3.828	3.928	3.944	3.823	3.765	3.837	3.874	3.923	3.734	3.968	3.858	3.864	3.890	3.853	3.648	3.904	3.737	3.852	3.797	3.828	3.929	3.914	3.891	
1459933	at	AA414857	NA	NA	4	4.296	4.296	4.434	4.332	4.249	4.408	4.725	4.326	4.409	4.255	4.419	4.237	4.372	4.611	4.413	4.432	4.242	4.413	4.532	4.423	4.417	4.550	4.421		
1459934	at	Usp42	AA516835	Mm.259620	NA	5	5.204	4.691	4.918	4.887	4.839	4.992	5.042	4.840	4.646	4.906	4.252	4.754	4.925	4.930	4.951	5.103	4.866	4.955	4.848	4.184	4.911	4.719	5.024	5.180
1459935	at	AA517562	AA517636	NA	6	4.766	4.501	4.790	4.777	4.466	4.728	4.850	4.694	4.789	4.665	4.420	4.599	4.744	4.747	4.831	4.906	4.529	4.811	5.092	4.755	4.860	4.475	4.906	4.614	
1459936	at	NA	AM016599	NA	NA	4.257	4.045	4.362	4.139	4.216	4.111	4.243	4.273	4.182	4.107	4.205	4.070	3.991	4.282	4.198	4.225	4.246	4.163	4.185	4.164	4.198	4.436	4.178	4.122	
1459937	at	Ass1	BM213298	Mm.3217	2	4.155	4.322	4.321	4.235	4.416	4.146	4.145	4.276	4.255	4.254	4.263	4.222	4.329	4.418	4.111	4.288	4.045	4.254	4.198	4.164	4.274	4.117	4.238	4.226	
1459938	at	C330024D21R1k	BG070384	Mm.387187	5	5.102	4.982	5.229	5.296	5.098	5.394	5.250	4.913	4.995	5.002	5.076	5.149	4.847	5.093	4.996	5.263	5.159	5.266	5.045	5.329	5.201	5.140	5.245	5.240	
1459939	at	NA	BG076089	NA	NA	7.326	7.205	7.482	7.482	7.391	7.187	7.466	7.516	7.505	7.255	7.474	7.412	7.379	7.526	7.580	7.479	7.526	7.457	7.372	7.684	7.628	7.388	7.648	7.446	
1459940	at	Acn9	BB320205	Mm.389086	6	4.051	3.901	3.798	3.941	3.954	4.040	3.998	4.026	3.969	3.887	3.840	3.991	3.833	3.857	4.014	4.079	4.013	3.808	3.856	4.032	3.883	3.997	4.063	3.931	
1459941	at	Ribp11	BB096900	Mm.222206	4	4.591	4.325	4.459	4.482	4.519	4.396	4.480	4.604	4.492	4.423	4.517	4.287	4.618	4.580	4.522	4.577	4.618	4.412	4.582	4.624	4.433	4.540	4.512	4.533	
1459942	at	NA	BB498693	NA	NA	6.636	6.188	6.534	6.636	6.319	6.584	6.343	6.047	6.305	6.584	6.502	6.374	6.373	6.400	6.517	6.622	6.472	6.382	6.542	6.659	6.321	6.404	6.547	6.601	
1459943	at	A030012G06R1k	BB151309	Mm.131709	9	5.339	5.118	5.420	5.342	5.320	5.362	5.426	5.065	5.344	5.210	5.434	5.249	5.122	5.377	5.433	5.483	5.090	5.386	5.348	5.519	5.258	5.219	5.322	5.624	
1459944	at	Utp11j	BB465563	Mm.259121	4	6.358	6.134	6.082	6.079	6.083	6.112	6.016	6.037	6.176	6.066	6.123	6.130	6.005	6.126	6.162	6.060	5.937	6.177	6.200	6.221	6.038	6.092	6.035	6.050	
1459945	at	100041901	BB307519	Mm.208621	3	4.183	3.870	4.256	4.148	3.978	4.146	4.066	3.953	4.117	4.062	4.085	3.918	4.004	4.181	4.124	4.127	4.108	4.117	4.040	4.022	4.045	4.019	4.018	4.172	
1459946	at	NA	BB078011	NA	NA	6.945	6.529	6.815	6.844	6.718	6.754	7.008	6.714	6.765	6.660	6.894	6.701	6.676	6.869	7.025	7.031	6.809	6.805	6.911	6.951	6.754	6.599	6.814	6.836	
1459947	at	NA	BB007036	NA	NA	8.640	8.294	8.842	8.723	8.844	8.651	8.473	8.502	8.478	8.438	8.312	8.339	8.396	8.466	8.553	8.875	8.904	8.644	8.585	8.763	8.935	9.028	8.971	8.957	
1459948	at	NA	BB552070	NA	NA	6.503	6.160	6.345	6.516	6.489	6.719	6.059	6.394	6.503	6.751	6.329	6.552	6.616	6.516	6.863	6.357	7.270	6.649	6.869	6.972	6.618	7.116	5.938	6.082	
1459949	at	NA	B1076631	NA	NA	5.075	5.496	5.287	5.292	5.777	5.269	5.433	5.303	5.584	5.413	4.977	5.274	5.273	5.398	4.846	5.184	5.219	5.442	5.063	5.008	5.216	5.489	5.162	4.826	
1459950	at	NA	BB527979	NA	NA	6.695	6.480	6.698	6.890	6.656	6.211	6.555	6.669	6.491	6.295	6.798	6.621	6.788	6.746	6.542	6.568	6.448	6.704	6.525	6.839	6.869	6.553	6.756	6.613	
1459951	at	Rps6kb1	BB004948	Mm.394280	11	5.233	5.690	5.486	5.313	5.211	5.619	5.337	5.398	5.428	5.510	5.396	5.419	5.307	5.419	5.442	5.404	5.393	5.406	5.545	5.248	5.476	5.822	5.574	5.228	
1459952	at	Ankrd17	BG065567	Mm.245522	5	6.362	5.949	6.412	6.026	6.020	5.983	6.328	5.631	5.881	6.067	6.226	5.877	5.943	5.947	6.369	6.383	6.015	6.189	6.329	6.006	5.875	5.785	6.250	6.186	
1459953	at	NA	BB477142	NA	NA	3.960	4.180	4.152	3.875	4.091	4.137	4.142	3.935	4.180	4.374	3.995	4.030	3.997	3.977	4.088	4.193	4.013	4.449	4.018	4.231	4.277	4.119	4.271	4.152	
1459954	at	NA	BG068511	NA	NA	5.066	5.021	5.274	5.205	5.029	5.029	5.378	4.999	4.859	5.136	5.203	5.066	5.262	5.042	5.232	5.150	5.109	5.395	5.458	5.336	5.139	5.205	5.070	5.514	
1459955	at	BM665317	Mm.424587	1	5.211	4.825	5.028	5.228	5.198	5.258	5.158	5.224	5.134	4.899	5.127	5.132	5.091	5.027	5.142	5.091	5.145	5.021	5.219	5.031	5.316	5.011	5.336	5.011	5.501	
1459956	at	NA	BB214834	NA	NA	5.397	5.202	4.989	4.991	4.844	5.400	5.128	4.249	5.142	3.907	2.272	5.157	5.099	5.094	5.234	4.853	4.497	4.310	5.040	4.920	4.922	5.150	5.071	5.155	
1459957	at	NA	BG073884	NA	NA	7.826	8.150	7.953	8.114	8.215	8.067	7.835	7.991	7.895	7.975	7.583	8.044	7.993	8.054	7.938	8.003	7.965	7.961	8.192	8.221	7.901	7.740	8.110	8.221	
1459958	at	Rsrc1	BB460538	Mm.316418	3	6.740	6.399	6.766	6.554	6.734	6.518	6.687	6.724	6.789	6.666	6.603	6.825	6.728	6.735	6.603	6.761	6.770	6.543	6.622	6.854	6.639	6.677	6.598	6.623	
1459959	at	NA	AW537404	NA	NA	6.651	6.186	6.549	6.219	6.434	6.351	6.518	6.085	6.179	6.238	6.487	6.057	6.437	6.453	6.297	6.524	6.109	6.350	6.320	6.673	6.387	6.032	5.686	6.443	
1459960	at	8430419K02R1k	BG070619	Mm.159228	11	3.689	3.914	3.915	3.916	3.866	4.085	3.829	3.769	3.975	3.883	3.939	3.891	3.903	3.969	3.934	4.040	3.922	3.890	3.875	4.130	3.799	4.122	3.866	3.969	
1459961	a	at	Stat3	BG069527	Mm.249934	11	8.255	8.157	8.420	7.996	7.835	8.267	8.757	7.411	7.980	7.855	8.045	7.856	7.849	7.664	7.683	8.238	7.188	7.598	7.810	7.263	7.354	7.360	8.143	7.905
1459962	at	NA	BM123926	NA	NA	5.266	5.147	5.628	5.193	5.207	5.544	5.212	5.408	5.159	5.511	5.234	5.301	5.183	5.333	5.286	5.416	5.341	5.338	5.308	5.227	5.095	5.289	5.458	5.262	
1459963	at	NA	BM127061	NA	NA	6.035	5.701	6.024	6.024	6.109	6.215	6.109	6.397	6.152	6.244	6.152	6.244	6.152	6.244	6.152	6.244	6.152	6.244	6.152	6.244	6.152	6.244	6.152	6.244	
1459964	at	NA	BM122502	NA	NA	7.746	7.572	7.539	7.690	7.547	7.290	7.626	7.536	7.663	7.663	7.674	7.445	7.557	7.502	7.506	7.610	7.519	7.593	7.580	7.777	7.631	7.300	7.468	7.529	
1459965	at	Dyx1c1	BB748700	Mm.31817	9	6.799	6.344	6.708	6.681	6.489	6.378	6.613	6.493	6.429	6.454	6.523	6.632	6.469	6.581	6.657	6.673	6.678	6.603	6.642	6.789	6.639	6.720	6.632	6.845	
1459966	at	Ospb17	BB727862	Mm.190450	11	6.074	5.996	6.011	5.895	6.185	5.960	5.792	6.130	5.939	6.120	5.891	5.967	6.035	5.793	6.055	5.861	6.217	6.086	5.944	5.862	5.923	6.077	6.158	5.884	
1459967	at	NA	BE946046	NA	NA	7.385	7.181	6.995	7.183	7.183	7.200	7.120	7.338	7.064	6.988	7.283	7.144	7.102	7.227	7.041	6.882	7.354	7.286	7.226	7.327	7.298	7.503	7.279	7.256	
1459968	at	NA	AW742677	NA	NA	5.759	6.167	5.688	6.048	6.173	6.075	6.100	6.162	6.088	6.189	6.220	6.206	6.012	6.009	6.059	5.968	6.083	6.045	5.724	5.943	6.081	6.018	6.257	5.971	
1459969	x	at	BE648450	NA	NA	4.763	4.764	4.987	4.805	5.018	4.867	4.578	4.985	4.752	4.714	4.828	4.684	4.809	4.767	4.696	4.468	4.786	4.801	4.864	4.812	4.620	4.874	4.840	4.751	
1459970	at	NA	BB540595	NA	NA	5.198	5.194	5.186	5.058	5.205	5.158	5.268	5.120	5.158	5.268	5.120														

1460018	at	Rnf213	AV278039	Mm.133342	11	7.362	7.130	7.489	7.325	7.106	7.467	7.577	7.225	7.124	6.861	7.029	7.175	7.164	7.272	7.086	7.454	7.390	7.329	7.272	7.676	7.100	7.316	7.248	7.244
1460019	at	EG627607	A1507006	Mm.341880	12	4.596	4.510	4.530	4.684	4.540	4.567	4.656	4.384	4.671	4.529	4.673	4.451	4.628	4.484	4.593	4.584	4.647	4.626	4.670	4.698	4.689	4.667	4.725	4.749
1460020	at	Ankrd11	W14742	Mm.31567	8	7.541	7.181	7.405	7.614	7.442	7.449	7.458	7.651	7.566	7.206	7.451	7.209	7.475	7.573	7.380	7.395	7.482	7.412	7.437	7.527	7.398	7.357	7.492	7.188
1460021	at	BG825323	BB285323	Mm.381721	8	4.495	4.278	4.543	4.373	4.422	4.422	4.266	4.701	4.715	4.113	4.151	4.404	4.399	4.507	4.425	4.452	4.300	4.678	4.673	4.721	4.786	4.545	4.464	4.409
1460022	at	NA	BB765511	NA	NA	5.917	5.891	5.751	5.802	5.815	5.889	5.876	5.911	5.950	5.377	5.875	5.815	6.118	6.036	5.823	5.856	5.864	5.763	6.015	5.957	5.949	5.911	5.814	5.824
1460023	at	NA	BB450104	NA	NA	5.993	5.787	6.055	5.782	5.752	5.694	6.068	5.847	5.678	5.864	5.977	5.985	5.983	5.831	5.955	6.182	5.955	6.085	5.927	6.238	6.099	5.709	5.804	5.940
1460024	at	Tnrc6b	BB313187	Mm.131328	15	9.026	9.026	9.030	9.114	9.032	9.047	8.952	8.860	8.841	8.822	8.833	9.008	8.917	8.718	8.733	9.048	8.921	8.925	9.113	8.919	9.048	9.053	8.916	8.849
1460025	at	Lria2	BB129159	Mm.34855	3	6.884	6.651	6.783	6.861	6.885	6.710	6.953	7.231	6.969	6.939	7.396	7.026	7.151	6.904	7.072	6.948	6.754	6.835	6.866	6.798	7.056	6.963	7.053	6.839
1460026	s at	Zfyve27	BB780581	Mm.287359	19	8.678	8.679	8.686	8.845	8.892	8.707	8.716	8.667	8.685	8.636	8.884	8.838	8.772	8.553	8.568	8.676	8.824	8.868	8.892	8.642	8.680	8.693	8.621	8.479
1460027	at	BC061194	BB013876	Mm.460742	2	3.924	4.120	4.180	3.985	4.071	4.000	4.123	3.918	3.887	3.863	3.867	3.869	3.884	3.910	3.994	4.054	4.036	4.024	3.985	4.027	4.072	4.041	4.205	4.115
1460028	at	Grip2	AI426339	Mm.333264	6	8.876	8.695	8.846	9.136	8.991	8.993	9.126	8.896	8.600	8.796	8.570	8.867	8.762	8.638	8.745	8.942	9.034	9.024	9.194	8.972	8.847	8.674	8.207	8.940
1460029	at	Gripb5	BD029923	Mm.219658	2	7.762	7.605	7.613	7.683	7.624	7.516	7.535	7.613	7.523	7.310	7.131	7.342	7.559	7.408	7.410	7.578	7.724	7.651	7.555	7.715	7.697	7.696	7.652	7.584
1460030	at	Hecw1	BB355811	Mm.125298	13	5.399	5.019	5.543	5.346	5.235	5.361	5.412	5.354	5.248	5.286	5.566	4.973	5.295	5.356	5.522	5.344	5.301	5.277	5.408	5.558	5.311	5.395	5.339	5.564
1460031	at	Gpr45	BB198016	Mm.444976	1	7.006	6.528	7.143	6.924	6.797	6.912	6.940	7.024	6.838	6.734	6.837	6.720	6.667	6.833	6.989	7.001	6.879	6.798	6.981	7.139	6.699	6.839	6.970	7.162
1460032	at	NA	AW555091	NA	NA	8.702	8.788	9.028	8.947	8.992	8.942	8.963	8.859	9.012	8.945	8.902	8.698	8.949	9.108	8.862	9.053	8.510	8.778	8.782	8.862	8.793	8.753	9.081	8.917
1460033	at	A330023F24Rik	BF469399	Mm.99905	1	7.939	6.987	8.065	7.674	7.885	8.215	7.911	7.072	6.394	7.267	6.842	6.922	6.627	6.321	7.087	7.946	7.777	7.729	7.245	7.380	7.455	7.618	8.142	7.677
1460034	at	Samd4b	BG063745	Mm.54120	7	8.964	8.972	8.842	8.870	9.070	8.782	8.710	9.085	9.148	8.905	9.226	8.647	8.987	8.897	8.889	8.907	8.877	8.837	8.843	8.840	8.958	8.547	8.892	8.664
1460035	at	Phb2	BE457485	Mm.36241	6	7.473	7.786	7.616	7.854	7.672	7.758	7.624	7.553	7.589	7.439	7.366	7.779	7.364	7.363	7.709	7.614	7.580	7.748	7.770	7.636	7.714	7.620	8.113	7.560
1460036	at	Ad152	BE655707	Mm.426783	X	8.674	8.939	8.643	8.540	8.701	8.599	8.643	8.628	9.521	9.424	8.663	8.889	9.111	9.144	8.707	8.779	8.362	8.106	8.473	8.104	8.082	8.407	8.195	8.410
1460037	at	Z610510H03Rik	BF303035	Mm.219389	2	9.709	9.966	9.728	9.618	9.736	9.741	9.689	9.446	9.620	9.632	9.595	9.685	9.592	9.832	9.595	9.763	9.677	9.768	9.863	9.614	9.609	9.595	9.654	9.568
1460038	at	Pou3f1	BG065255	Mm.297371	4	5.253	4.770	5.127	5.067	5.303	5.104	5.252	5.911	5.802	6.217	6.197	5.793	5.699	5.228	6.382	5.256	4.861	5.354	5.173	5.200	5.173	4.981	5.250	5.401
1460039	at	Clec1a	BB035924	Mm.131289	6	6.941	7.450	7.008	6.982	7.172	7.032	7.088	7.667	6.606	6.961	7.764	7.074	6.963	7.011	7.118	6.889	7.046	6.878	6.981	7.013	6.991	7.290	6.672	6.806
1460040	at	4933407H18Rik	BB362170	Mm.132178	5	3.806	3.706	3.759	3.736	3.597	3.721	3.701	3.667	3.689	3.635	3.687	3.754	3.714	3.655	3.719	3.744	3.827	3.717	3.649	3.661	3.654	3.762	3.799	3.719
1460041	at	D630040I23Rik	BO173985	Mm.386930	19	7.027	6.931	6.758	6.772	6.943	6.824	6.759	6.829	7.231	7.034	7.373	6.820	6.973	7.079	6.891	6.868	6.765	6.925	6.833	6.926	6.962	6.841	7.055	6.912
1460042	at	SLC23a3	AV293965	Mm.68157	1	5.474	5.553	5.707	5.673	5.568	5.800	5.560	5.567	5.684	5.563	5.654	5.402	5.613	5.621	5.606	5.539	5.734	5.679	5.493	5.535	5.383	5.449	5.748	
1460043	at	NA	BB357628	NA	NA	4.423	4.265	4.317	4.201	4.107	4.239	4.226	4.099	4.143	4.194	4.201	4.064	4.332	4.240	4.372	4.144	4.199	4.485	4.267	4.206	4.415	4.226	4.225	4.269
1460044	at	Necut2	BB386442	Mm.234722	18	4.318	4.384	4.452	4.445	4.459	4.452	4.476	4.438	4.474	4.413	4.376	4.332	4.476	4.375	4.431	4.478	4.431	4.439	4.485	4.461	4.403	4.485	4.461	4.403
1460045	at	Cd17	AV3277883	Mm.213407	1	4.650	4.227	4.860	4.692	4.490	4.697	4.467	4.590	4.462	4.263	4.697	4.420	4.636	4.602	4.694	4.599	4.659	4.783	4.533	4.540	4.695	4.695	4.695	4.630
1460046	at	NA	AO201315	NA	NA	5.627	5.062	5.407	5.698	5.364	5.375	5.463	5.460	5.540	5.169	5.509	5.321	5.366	5.313	5.491	5.425	5.336	5.463	5.296	5.820	5.613	5.591	5.450	5.713
1460047	at	NA	BO071234	NA	NA	6.259	6.502	6.509	6.652	6.539	6.489	6.673	6.053	6.653	6.521	6.175	6.680	6.695	6.557	6.536	6.757	6.412	6.590	6.557	6.545	6.466	6.347	6.388	6.346
1460048	at	Zdhhc13	BB462453	Mm.279116	7	5.034	4.880	4.766	4.812	4.817	4.641	4.656	4.644	4.908	5.050	4.724	4.702	4.791	4.780	4.892	4.884	4.777	4.667	4.936	4.786	4.736	4.519	5.143	4.609
1460049	s at	1500015O10Rik	BB392676	Mm.50109	1	4.872	5.165	5.012	5.002	8.549	7.523	4.795	6.902	8.239	8.327	6.209	9.562	10.145	6.071	8.937	4.841	5.892	7.006	6.352	4.784	7.275	5.314	4.803	4.971
1460050	x at	5630401D24Rik	BB231989	Mm.270569	1	8.104	7.652	7.832	7.975	7.748	7.821	7.972	7.907	7.702	7.669	7.895	7.793	7.814	7.870	7.777	7.897	8.055	7.916	7.851	8.027	7.894	7.836	7.957	7.790
1460051	at	Ccdc4b	AW990746	Mm.59997	17	5.674	5.531	5.653	5.681	5.572	5.496	5.674	5.752	5.563	5.293	5.662	5.683	5.578	5.648	5.551	5.688	5.644	5.375	5.484	5.727	5.623	5.512	5.606	5.771
1460052	at	NA	BB490520	NA	NA	6.905	5.968	6.548	6.143	6.439	6.434	6.474	6.279	6.320	5.395	6.239	5.263	5.396	5.971	6.043	6.096	6.371	6.046	6.096	6.029	5.727	5.649	5.983	
1460053	at	Smyd4	BB021163	Mm.340377	11	8.563	8.710	8.298	8.284	8.603	8.251	8.427	8.537	8.527	8.521	8.272	8.385	8.531	8.472	8.265	8.224	8.645	8.795	8.676	8.444	8.276	8.605	8.322	8.162
1460054	at	Trappc6a	AW491655	Mm.44213	7	6.213	6.029	6.032	6.065	6.194	6.200	6.287	6.048	6.166	6.277	6.070	6.110	6.100	6.180	6.063	6.323	6.166	6.502	6.159	6.623	6.510	6.025	6.365	6.474
1460055	at	NA	BB202321	NA	NA	4.755	4.949	4.740	4.787	4.783	4.780	4.746	4.973	4.731	4.665	4.798	4.770	4.736	4.613	4.874	4.602	4.743	4.828	4.909	4.575	4.718	4.713	4.823	4.943
1460056	at	1700109F18Rik	BB421876	Mm.443313	2	4.994	5.181	5.499	5.317	5.427	5.186	5.364	5.481	5.613	5.740	5.261	5.653	5.787	5.648	6.003	5.294	5.152	5.336	5.229	4.935	5.402	5.230	5.240	5.079
1460057	at	Gdf3	BM196098	Mm.299742	6	8.903	8.080	7.946	7.978	7.955	7.908	7.815	7.950	8.119	7.881	7.837	7.814	7.985	8.100	7.856	7.856	7.755	7.680	7.903	7.883	7.892	7.674	7.892	7.938
1460058	at	NA	BE648595	NA	NA	6.905	6.404	6.807	6.834	6.613	6.703	6.728	6.692	6.676	6.621	6.842	6.749	6.638	6.591	6.636	6.707	6.817	6.769	6.775	6.882	6.783	6.784	6.961	

1460107	at	1700129104Rik	BB449058	Mm.222812	7	4.268	4.259	4.226	4.213	4.246	4.266	4.276	4.276	4.409	4.315	4.343	4.324	4.335	4.259	4.283	4.270	4.4229	4.326	4.356	4.312	4.241	4.296
1460108	at	NA	BB309776	NA	NA	5.526	5.536	5.467	5.618	5.395	5.322	5.433	5.440	5.535	5.459	5.377	5.337	5.278	5.274	5.330	5.318	5.365	5.354	5.281	5.545	5.401	5.293
1460109	at	Tcf25	AV253069	Mm.178818		8	7.526	7.358	7.750	7.584	7.721	7.698	7.724	7.764	7.610	7.547	7.624	7.448	7.599	7.532	7.544	7.764	7.367	7.633	7.594	7.567	7.569
1460110	at	Rttm	BB376570	Mm.772	18	5.744	5.609	5.779	5.682	5.751	5.775	5.861	5.750	5.714	5.625	5.654	5.611	5.623	5.783	5.668	5.799	5.567	5.815	5.714	5.687	5.653	5.826
1460111	at	Myl1l	BM932663	Mm.253067	12	5.090	4.493	4.077	4.920	4.919	5.075	5.049	4.479	4.724	4.560	4.698	4.556	4.759	4.651	4.657	4.762	4.669	4.818	4.765	4.930	4.922	4.818
1460112	at	NA	BE952583	NA	NA	8.157	7.756	8.087	8.210	8.151	8.235	8.229	8.204	7.590	7.702	8.109	7.929	7.923	8.836	8.054	8.180	8.555	8.577	8.483	8.521	8.287	8.392
1460113	at	B930093H17Rik	BB352877	NA	8	5.577	5.182	5.988	5.996	5.489	5.390	5.529	5.378	4.985	5.008	5.314	5.422	5.324	5.242	5.294	5.584	5.324	5.205	5.058	5.110	5.377	5.660
1460114	at	NA	BB408149	NA	NA	5.293	4.630	5.039	4.936	4.780	5.242	5.113	4.993	4.842	4.975	4.892	4.940	4.705	4.989	5.034	4.971	4.962	5.071	4.906	5.349	4.846	5.057
1460115	at	NA	BB748505	NA	NA	8.523	8.429	8.502	8.494	8.488	8.349	8.486	8.442	8.413	8.501	8.312	8.371	8.471	8.515	8.467	8.383	8.418	8.400	8.472	8.439	8.532	8.593
1460116	s at	Spread1	AI450584	Mm.254890	2	6.542	7.267	6.320	6.721	7.105	6.619	6.578	6.677	7.160	7.379	7.268	7.142	7.264	6.754	7.011	6.482	6.448	6.207	6.124	6.175	6.590	6.252
1460117	at	NA	BI714082	NA	NA	7.764	7.120	7.176	7.195	7.241	7.070	7.326	7.374	7.342	7.251	7.774	7.942	7.152	7.272	7.193	7.186	7.118	6.948	6.925	7.013	7.351	6.948
1460118	at	NA	BF455409	NA	NA	6.416	6.125	6.156	6.234	6.279	6.308	6.375	6.768	6.306	6.155	6.278	6.151	6.641	6.247	6.257	6.175	6.191	6.234	6.301	6.491	6.160	6.133
1460119	at	NA	BB245904	NA	NA	5.441	5.105	5.337	5.596	5.209	5.341	5.586	5.442	5.100	5.422	5.444	5.152	5.391	5.342	5.419	5.311	5.432	5.391	5.238	5.444	5.605	5.647
1460120	at	Abhlm1	AV079770	Mm.217161	19	4.986	4.712	4.850	4.798	4.415	4.694	4.793	4.400	4.873	4.873	4.401	4.811	4.855	4.793	4.953	4.600	5.281	4.662	4.766	5.052	4.867	4.964
1460121	at	9630010G10Rik	BI076710	Mm.403193	17	8.539	9.102	8.694	9.039	9.422	9.198	8.986	8.675	9.705	9.530	8.500	9.356	9.423	9.328	8.995	8.838	9.265	9.333	9.263	8.910	8.329	8.556
1460122	at	Tmem41b	BB734748	Mm.43212	7	7.387	6.889	7.309	7.155	7.004	7.253	7.309	7.168	6.423	7.700	7.334	6.956	6.814	6.908	7.183	7.267	7.381	7.321	7.298	7.425	7.265	7.425
1460123	at	Gpr1	AW541072	Mm.103354	1	6.738	6.123	6.919	6.723	6.670	6.879	6.648	6.548	6.480	6.414	6.793	6.598	6.633	6.537	6.748	6.925	6.654	6.855	6.791	6.752	6.708	7.052
1460124	at	1190020J12Rik	AV020850	Mm.224815	7	8.057	7.711	7.962	7.989	7.973	8.138	8.227	8.167	8.038	7.876	7.956	7.975	7.912	7.882	7.946	8.020	8.244	8.101	7.972	7.975	8.017	8.086
1460125	at	NA	BB517076	NA	NA	11.061	10.172	11.445	11.137	10.530	11.143	10.871	9.859	8.828	9.905	10.322	10.112	9.822	9.866	10.176	11.489	10.447	10.680	10.743	11.030	10.797	10.788
1460126	at	NA	BC070566	NA	NA	6.175	6.366	6.133	6.228	6.282	6.406	6.158	6.276	6.547	6.503	6.265	6.510	6.360	6.134	6.300	6.193	6.178	6.092	6.411	6.334	6.173	6.394
1460127	at	Hnf4a	AI506677	Mm.330897	3	3.739	3.805	3.648	3.836	3.925	3.917	3.915	3.787	3.810	3.772	3.954	3.860	3.811	3.921	3.840	3.773	3.924	3.940	3.876	3.823	3.866	3.854
1460128	at	Tmed2	BF719685	Mm.452579	5	5.683	5.292	5.651	5.423	5.358	5.592	5.482	5.370	5.365	5.481	5.582	5.451	5.488	5.544	5.561	5.777	5.576	5.700	5.438	5.714	5.568	5.397
1460129	at	Slc6a2	BB057781	Mm.57040	8	6.587	5.836	6.209	6.250	6.107	6.447	6.222	6.223	6.003	6.062	6.358	5.966	6.055	6.158	6.216	6.339	6.130	6.161	6.465	6.304	6.259	6.069
1460130	at	EG433632	BB481091	Mm.212421	3	5.340	5.045	5.344	4.953	5.079	4.494	5.099	5.146	5.112	5.117	5.359	4.935	5.123	5.104	5.138	4.904	5.122	5.112	5.163	5.402	5.090	5.098
1460131	at	NA	BC067721	NA	NA	6.648	6.463	6.707	6.433	6.265	6.648	6.712	6.347	6.361	6.228	6.488	6.571	6.494	6.570	6.521	6.855	6.456	6.597	6.526	6.811	6.363	6.585
1460132	at	NA	BE944381	NA	NA	7.701	7.335	7.469	7.512	7.616	7.631	7.549	7.363	7.450	7.446	7.209	7.180	7.518	7.307	7.389	7.397	7.436	7.252	7.352	7.521	7.575	7.576
1460133	at	NA	BB734748	NA	NA	8.734	8.360	8.568	8.618	8.618	8.568	8.568	8.450	8.580	8.568	8.507	8.507	8.507	8.507	8.507	8.507	8.507	8.507	8.507	8.507	8.507	8.507
1460134	at	9330175E14Rik	BB082472	Mm.235354	8	4.419	5.341	5.233	5.360	5.616	5.308	5.603	5.503	5.441	5.374	5.374	5.374	5.374	5.359	5.511	5.571	5.571	5.571	5.571	5.571	5.571	5.571
1460135	at	AV330005H10Rik	BB377314	Mm.392043	3	8.250	7.952	8.541	8.349	8.328	8.385	8.424	8.450	8.260	8.222	8.038	8.420	8.054	8.280	8.469	8.601	8.703	8.447	8.442	8.458	8.712	8.737
1460136	at	AW047481	AI462839	Mm.441296	17	5.398	5.159	5.402	5.417	5.159	5.228	5.318	5.373	5.437	5.243	5.406	5.393	5.333	5.261	5.280	5.283	5.265	5.371	5.294	5.429	5.334	5.399
1460137	at	NA	BB344289	NA	NA	5.650	5.573	5.613	5.664	5.731	5.769	5.582	5.660	5.588	5.501	5.730	5.645	5.604	5.565	5.625	5.638	5.811	5.459	5.655	5.523	5.625	5.490
1460138	at	NA	BI500665	NA	NA	5.993	6.026	5.582	5.556	5.911	6.025	5.896	5.928	6.306	5.963	6.154	6.017	5.968	5.703	6.056	6.073	6.002	5.759	5.767	5.843	5.902	5.984
1460139	at	C79256	BC066463	NA	3	3.811	3.656	3.842	3.851	3.728	3.813	3.780	3.822	3.705	3.651	3.814	3.753	3.590	3.655	3.613	3.778	3.820	3.799	3.759	3.829	3.680	3.691
1460140	at	NA	BC066259	NA	NA	4.426	4.112	4.271	4.133	4.300	4.256	4.308	4.286	4.203	4.411	4.223	4.049	4.233	4.268	4.150	4.261	4.109	4.412	4.461	4.355	4.278	4.396
1460141	at	NA	BC039211	Mm.266293	3	6.127	6.552	6.133	6.275	6.096	6.606	6.158	6.916	6.929	6.490	6.942	7.054	6.749	6.932	6.739	6.714	6.834	6.547	6.718	6.818	6.853	6.935
1460142	at	D13Ertid324e	BC066861	NA	13	5.963	5.701	5.841	5.862	5.976	5.727	6.037	6.030	6.025	5.797	5.916	5.717	5.895	5.931	5.734	5.827	5.730	5.876	6.042	5.934	5.906	5.910
1460143	at	NA	BC066567	NA	NA	5.008	4.864	5.029	4.992	4.943	4.927	4.805	4.940	4.962	4.693	5.080	4.799	5.029	4.992	4.936	4.948	4.922	5.012	5.002	5.039	4.930	4.856
1460144	at	NA	BB352444	NA	NA	6.514	6.940	6.813	6.734	6.570	6.726	6.922	6.765	6.863	6.877	6.717	6.856	6.969	6.927	6.629	6.733	6.950	6.926	7.054	6.925	6.801	6.919
1460145	at	NA	BC069298	NA	NA	3.909	4.082	4.130	4.069	3.976	4.121	4.127	3.828	4.132	3.878	4.066	3.821	3.996	3.835	3.997	4.023	3.990	4.152	4.019	4.210	3.988	3.946
1460146	at	NA	BC070486	NA	NA	4.030	3.834	3.702	3.820	3.863	3.790	3.773	3.673	3.963	3.762	3.951	3.732	4.030	3.897	3.926	3.705	3.942	3.889	4.228	3.898	3.859	3.835
1460147	at	A730009E18Rik	BB360886	Mm.434627	13	4.328	4.482	4.621	4.591	4.486	4.638	4.486	4.483	4.530	4.445	4.492	4.520	4.489	4.472	4.681	4.578	5.025	5.064	4.636	4.565	5.028	5.142
1460148	at	NA	BC070910	NA	NA	7.782	7.063	7.782	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749
1460149	at	NA	BC068448	NA	NA	6.038	5.538	6.197	5.920	5.821	5.585	5.869	5.866	5.655	5.975	5.769	5.935	5.769	5.935	5.919	5.743	5.760	5.508	5.820	5.905	5.927	5.903
1460150	at	NA	BE979371	NA	NA	5.388	5.012	5.409	5.151	5.540	5.492	5.438	5.266	5.069	5.183	5.169	5.300	4.989	5.017	5.240	5.258	5.422	5.413	5.508	5.477	5.251	5.466
1460151	at	NA	BC070910	NA	NA	8.006	7.740	7.869																			

1460196	at	Cbr1	NM 007620	Mm.26940	16	9.402	9.223	9.577	9.734	9.350	9.560	9.571	9.206	8.910	9.099	8.944	9.387	9.313	9.162	9.204	9.494	9.973	9.786	9.666	9.713	9.635	9.586	9.420	9.568	
1460197	a	Steap4	NM 054098	Mm.31403	5	10.445	9.795	10.497	10.514	9.908	10.423	10.297	9.932	9.685	9.800	10.276	9.923	9.999	10.129	10.108	10.448	10.234	10.128	10.386	10.167	9.998	10.262	10.762	10.524	
1460198	at	Psmb3	BC014783	Mm.21874	11	12.264	12.247	12.313	12.010	11.856	12.242	12.371	12.064	12.061	12.056	12.185	12.108	11.893	12.202	12.140	12.255	12.309	12.473	12.259	12.380	12.174	12.180	12.144	12.158	
1460199	a	Patfah1b1	BE688382	Mm.397111	11	11.842	12.207	11.896	11.900	11.681	11.848	11.940	11.658	11.942	11.972	11.986	11.801	11.831	12.087	11.867	12.017	11.456	11.464	11.643	11.654	11.678	11.614	12.013	12.045	
1460200	at	Lztf1b1	NM 030322	Mm.378263	9	8.185	7.622	8.576	7.820	7.199	8.280	8.015	7.702	7.484	7.456	7.725	8.044	7.903	7.756	7.650	8.488	7.691	7.731	7.743	7.655	7.603	7.526	7.788	7.772	
1460201	at	Rpl24	BC002110	Mm.107869	16	12.965	13.346	12.892	12.873	12.907	12.943	12.959	13.218	13.287	13.141	13.104	13.130	13.095	13.216	12.982	12.840	13.174	13.194	13.009	13.008	13.110	12.704	12.858	12.704	
1460202	at	Ryoz1	NM 021508	Mm.439911	14	8.776	8.476	8.662	8.608	8.379	8.630	8.592	8.551	8.610	8.881	8.803	8.381	8.522	8.299	8.602	8.645	8.550	8.557	8.584	8.798	8.476	8.273	8.600	8.597	
1460203	at	Itpr1	NM 010585	Mm.227912	6	8.919	9.219	9.084	9.025	9.188	9.362	9.060	8.954	9.231	9.374	9.119	9.268	9.298	9.327	9.210	9.123	8.965	8.974	9.103	9.070	8.889	8.903	9.214	9.047	
1460204	at	Tec	NM 013689	Mm.319581	5	10.041	10.015	10.009	10.071	9.909	10.083	9.925	9.866	10.241	10.268	10.137	10.086	9.838	9.951	10.141	9.999	10.097	9.946	10.215	10.105	9.917	9.976	10.136	10.272	
1460205	at	Dcaod	NM 026551	Mm.277449	11	8.952	9.252	8.751	9.358	9.024	9.002	8.988	8.695	9.004	8.834	8.699	8.801	8.801	8.678	8.666	8.740	9.239	9.485	9.324	3.988	9.414	8.630	8.924	9.019	
1460206	at	Grasp	NM 019518	Mm.276573	15	8.320	8.444	8.195	8.323	8.425	8.289	8.337	8.264	8.370	8.607	8.588	8.643	8.552	8.408	8.561	8.256	8.463	8.644	8.357	8.534	8.634	8.306	8.733	8.424	
1460207	s	E2f5	BC003220	Mm.153415	3	7.791	7.939	7.765	7.790	8.008	7.644	7.697	8.068	8.018	8.085	8.197	7.984	8.008	7.877	7.866	7.762	7.750	7.835	7.748	7.617	7.769	7.801	7.654	7.586	
1460208	at	Fbn1	NM 007993	Mm.271644	2	10.287	11.953	10.175	10.288	11.951	10.681	10.146	11.349	12.665	12.496	11.428	12.375	12.526	12.249	11.912	10.248	9.615	10.347	10.901	10.038	9.927	9.646	9.543	9.318	
1460209	at	Usp39	BC026983	Mm.281900	6	8.567	9.333	8.807	8.735	8.896	8.838	8.760	8.773	8.868	9.098	8.881	8.867	8.913	9.316	8.742	8.800	8.635	8.820	8.881	8.681	8.598	8.639	8.683	8.934	
1460210	at	Pkd1	NM 013630	Mm.290442	17	9.185	9.671	9.266	9.615	9.991	9.676	9.396	9.751	10.135	10.143	9.690	10.577	10.418	9.590	10.112	9.511	9.335	9.400	9.250	9.192	9.403	9.447	9.537	9.325	
1460211	a	Kdelr1	NM 133950	Mm.298433	7	11.371	11.603	11.165	11.156	11.368	11.311	11.330	11.283	11.760	11.542	11.238	11.704	11.806	11.663	11.385	11.257	11.137	11.196	11.205	11.155	11.003	11.136	11.170	10.858	
1460212	at	Gnat1	BC022793	Mm.284853	9	5.474	5.624	5.494	5.547	5.483	5.377	5.582	5.354	5.495	5.446	5.576	5.451	5.516	5.646	5.647	5.526	5.439	5.393	5.526	5.471	5.576	5.341	5.523	5.560	
1460213	at	Golga4	NM 018748	Mm.104049	9	11.351	10.824	11.201	11.401	11.450	11.170	11.167	11.412	10.995	10.665	11.068	11.179	11.168	10.995	10.577	11.029	11.123	11.165	11.333	11.107	11.282	11.259	11.051	11.507	11.580
1460214	at	Pcd4	NM 008791	Mm.5023	16	6.726	6.555	6.765	6.762	6.561	6.980	6.856	6.874	6.787	6.821	6.763	6.665	6.578	6.724	6.832	6.494	7.132	6.942	7.012	7.046	7.132	7.291	6.987	6.982	
1460215	at	Rpo1-4	BB729239	Mm.135581	6	8.653	8.658	8.763	8.810	8.608	8.809	8.525	8.687	8.519	8.315	8.642	8.492	8.537	8.529	8.561	8.700	9.237	8.709	8.851	8.773	8.946	9.036	8.508	8.715	
1460216	at	Acad	NM 007383	Mm.18759	5	10.702	10.121	10.530	10.687	10.396	10.612	10.775	10.324	10.020	10.173	10.381	10.532	10.276	10.108	10.473	10.689	10.958	10.871	10.830	10.822	10.765	10.629	10.822	10.692	
1460217	at	Prif7d1	NM 011120	Mm.3258	13	5.169	4.901	5.123	5.282	5.100	5.102	5.067	5.204	5.031	5.003	5.429	4.934	4.962	5.270	5.141	5.154	5.130	5.163	5.283	5.132	5.294	5.037	5.361	5.298	
1460218	at	Cd57	NM 013706	Mm.24130	4	7.580	8.905	7.454	7.548	7.998	7.851	8.094	8.024	8.790	8.473	8.046	8.171	8.186	8.794	7.619	7.332	7.490	7.337	7.248	7.227	7.492	7.498	7.305	7.020	
1460219	at	Maq	NM 010758	Mm.241355	7	7.731	7.469	7.635	7.659	7.481	7.601	7.604	7.497	7.545	7.555	7.657	7.312	7.654	7.427	7.476	7.549	7.419	7.637	7.595	7.583	7.547	7.713	7.575	7.556	
1460220	a	Csf1	BM233698	Mm.795	3	9.758	9.910	9.592	9.915	9.977	9.932	9.968	10.076	9.947	9.747	10.425	9.755	9.914	10.010	9.852	9.699	9.919	10.117	9.819	9.886	9.944	10.043	9.574	9.819	
1460221	at	Ptocs3	BC003708	Mm.305816	10	11.046	11.181	10.971	10.939	10.865	11.119	11.069	10.602	10.790	11.112	11.455	10.768	10.842	11.363	10.982	11.059	10.460	10.648	10.926	10.951	10.831	10.818	11.314	11.328	
1460222	at	Shn1	NM 030164	Mm.285609	15	7.271	7.704	7.707	7.708	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	7.705	
1460223	at	NM 013551	Mm.210663	6	7.954	7.364	7.345	7.272	7.306	7.359	7.375	7.409	7.434	7.478	7.232	7.442	7.351	7.256	7.292	7.246	7.243	7.271	7.292	7.246	7.243	7.271	7.292	7.246	7.243	
1460224	at	Snr2	BC006650	Mm.252171	18	9.380	9.973	9.557	9.705	9.583	9.798	9.679	9.713	9.796	9.796	9.423	9.616	9.657	10.100	9.697	9.570	9.815	9.562	9.711	9.591	9.647	9.760	9.476	9.519	
1460225	at	Mmr63	NM 026401	Mm.319530	14	7.593	7.118	7.670	7.635	7.400	7.593	7.559	7.172	7.057	7.436	7.550	7.126	7.308	7.375	7.525	7.939	7.353	7.567	7.681	7.951	7.521	7.719	7.574	7.963	
1460226	at	Trap1a	NM 011635	Mm.1297	X	4.846	4.897	4.742	4.753	4.750	4.774	4.778	4.778	4.706	4.640	4.797	4.683	5.073	4.743	4.808	4.840	4.774	4.720	4.769	4.846	4.677	4.780	4.805	4.688	
1460227	at	Timp1	BC008107	Mm.8245	X	10.255	12.565	9.694	9.315	10.481	10.297	9.101	10.399	12.212	12.149	11.971	10.623	11.180	12.862	10.207	9.528	7.559	8.207	9.973	7.440	7.792	7.331	7.596	7.442	
1460228	at	Usf2	AW537576	Mm.322453	7	9.998	9.823	9.960	10.243	10.057	10.187	10.000	9.818	9.779	9.653	9.667	9.836	9.873	9.710	9.918	10.055	10.304	10.279	10.373	10.316	10.131	9.975	10.054	10.160	
1460229	at	Stat3	NM 016964	Mm.285609	5	5.226	5.389	5.262	5.170	5.340	5.281	5.420	5.315	5.610	5.242	5.298	5.286	5.338	5.337	5.293	5.247	5.381	5.224	5.421	5.319	5.237	5.508	5.198	5.224	
1460230	at	Mein	NM 010554	Mm.291515	6	7.954	7.364	7.345	7.272	7.306	7.359	7.375	7.409	7.434	7.478	7.232	7.442	7.351	7.256	7.292	7.246	7.243	7.271	7.292	7.246	7.243	7.271	7.292	7.246	
1460231	at	lrfs	NM 012057	Mm.6479	6	6.889	7.661	6.758	6.662	7.077	6.673	6.731	6.882	7.403	7.147	7.136	7.015	7.005	7.418	6.999	6.666	6.447	6.466	6.719	6.609	6.562	6.564	6.705	6.699	
1460232	s	Hsd3b6	NM 013821	Mm.14435	3	5.157	4.938	5.127	5.133	4.939	5.079	5.011	5.190	4.980	5.006	5.151	4.999	5.036	5.188	5.108	5.019	5.083	5.164	5.199	5.216	5.095	4.839	5.258	5.135	
1460233	at	Guc2b	NM 008191	Mm.278	4	7.016	6.872	6.947	7.012	7.112	6.973	6.972	7.284	6.997	6.754	6.909	6.955	6.951	6.905	6.990	7.049	7.380	7.037	6.999	7.332	7.003	6.996	6.994	7.108	
1460234	at	Wdr81	NM 138950	Mm.340378	11	9.354	9.598	9.260	9.479	9.532	9.358	9.435	9.411	9.866	9.601	9.117	9.569	9.551	9.493	9.332	9.290	9.542	9.452	9.393	9.283	9.549	9.679	9.922	9.276	
1460235	at	Karr10	NM 007644	Mm.297964	5	10.716	11.045	10.683	10.805	10.457	10.227	10.200	10.465	10.678	11.402	11.464	10.021	10.988	10.716	10.307	10.892	10.838	10.539	10.657	10.424	10.445	10.396	1		

1460286	at		6-Sep	NM 019942	Mm.260036	X		5.844	5.613	5.755	5.782	5.723	5.771	5.879	6.041	5.527	5.617	5.999	5.676		5.450	5.443	5.841	5.735	5.776	5.956	5.955	5.995	5.998	5.765	5.896	5.907
1460287	at	Timp2		M93954	Mm.206505		11	10.519	11.419	10.381	10.788	11.381	11.021	10.672	11.235	12.245	11.805	11.016	11.691	11.873	11.468	11.306	10.310	10.718	10.666	10.848	10.453	10.742	10.794	10.092	10.290	
1460288	a	at	Pdp4c	NM 019674	Mm.41998		7	9.068	9.677	9.023	9.075	9.216	9.254	9.278	8.829	9.709	9.534	9.461	9.438	9.301	9.704	9.160	9.087	8.885	9.215	9.265	9.107	8.895	8.733	9.047	9.094	
1460289	at			NM 008734	Mm.441698		14	4.926	4.766	4.878	4.774	4.746	4.659	4.759	4.904	4.682	4.750	4.868	4.516	4.741	4.855	4.740	4.724	4.481	4.838	4.648	4.964	4.964	4.788	4.760	4.897	
1460290	at			NM 022882	Mm.227934		17	7.390	7.237	7.510	7.374	7.534	7.360	7.383	7.110	7.273	7.269	7.430	7.370	7.303	7.532	7.486	7.531	7.287	7.148	7.357	7.511	7.287	7.531	7.270	7.335	7.365
1460291	at			NM 009873	Mm.31672		5	7.029	6.832	6.915	7.058	7.018	7.255	6.963	6.813	6.956	6.849	7.253	7.111	6.766	6.909	7.051	7.111	6.851	6.877	7.087	6.187	6.850	6.855	7.102	7.052	
1460292	a	at	Smarca1	NM 053123	Mm.229151	X		5.596	5.711	5.579	5.611	5.665	5.819	5.798	6.195	6.161	6.001	5.909	6.167	6.209	5.864	6.269	5.775	5.528	5.585	5.879	5.859	5.961	6.660	6.544	6.124	
1460293	at	Freq		AU079041	Mm.249318		2	7.448	7.004	7.280	7.041	6.974	7.124	7.327	7.083	7.211	6.867	7.352	6.932	7.153	7.203	7.119	7.235	7.265	7.344	7.364	7.450	7.229	7.125	7.203	7.217	
1460294	at	Atp8a2		NM 015803	Mm.319599		14	7.213	7.833	7.230	7.279	8.069	7.254	7.454	7.770	7.791	7.924	7.888	8.285	8.197	7.668	7.925	7.336	7.242	7.396	7.450	7.363	7.348	7.259	7.415	7.426	
1460295	s	at	Ilf6t	AA717838	Mm.4364		13	8.401	8.263	9.119	8.893	8.373	9.034	8.671	7.531	7.960	8.659	8.386	7.934	8.158	8.820	8.609	8.989	7.602	7.990	8.803	8.818	7.830	7.531	8.942	9.325	
1460296	a	at	Faf2	NM 023204	Mm.154211		10	7.327	7.008	7.262	7.303	7.271	7.114	7.035	7.105	7.252	6.911	7.182	6.966	7.126	7.304	7.113	7.222	7.147	6.840	7.192	7.185	7.037	7.055	7.246	7.199	
1460297	at	Nhs2		NM 130456	Mm.280999		1	5.659	5.243	5.787	5.657	5.536	5.562	5.496	5.543	5.397	5.515	5.510	5.418	5.468	5.500	5.491	5.665	5.367	5.612	5.526	5.639	5.537	5.516	5.541	5.885	
1460298	at			4930483118Rik	NM 026288	Mm.390832	15	6.824	6.735	6.672	6.778	6.720	6.650	6.723	6.797	6.784	6.465	6.849	6.489	6.871	6.799	6.784	6.763	6.543	6.686	6.760	6.782	6.630	6.751	6.630	6.846	
1460299	at	Mnx1		NM 019944	Mm.103760		5	5.302	4.894	5.263	5.366	5.127	5.199	5.316	5.313	5.212	4.985	5.363	5.001	5.317	5.127	5.211	5.259	5.197	5.137	5.163	5.538	5.735	5.076	5.261	5.409	
1460300	a	at	Ltk	NM 008523	Mm.1740		2	7.202	7.137	6.997	6.924	6.966	6.858	7.061	7.177	7.384	6.996	7.132	7.307	7.044	7.096	7.113	7.139	7.167	6.926	7.098	7.109	6.965	7.098	7.109	6.996	
1460301	at	V1rd2		NM 030741	Mm.160381		7	4.338	4.071	4.194	4.039	4.115	4.182	4.198	4.127	4.277	4.169	4.254	4.024	4.124	4.209	4.174	4.254	4.035	4.388	4.176	4.217	4.087	4.475	4.181	4.259	
1460302	at	Thbs1		AI385532	Mm.4159		2	8.778	9.162	8.103	7.548	8.926	8.780	8.330	7.242	9.914	10.277	11.010	9.036	10.035	9.331	9.611	8.483	8.867	7.160	7.591	6.800	6.912	6.415	9.795	10.741	
1460303	at	Nr3c1		NM 008173	Mm.129481		18	10.131	9.970	10.206	10.352	10.240	10.388	10.384	9.959	9.766	10.136	9.994	10.267	10.120	10.028	10.188	10.176	10.264	10.177	10.073	10.177	10.249	10.265	10.027	9.972	
1460304	a	at	Ubf1	BB832806	Mm.2845		11	6.920	7.319	6.716	7.001	7.002	6.932	6.671	7.523	7.406	6.958	7.044	7.372	7.175	6.885	7.029	7.070	7.419	7.162	6.952	6.787	7.417	7.542	6.915	7.077	
1460305	at	Itpa3		NM 013565	Mm.57035		11	6.221	6.143	5.954	6.170	6.001	5.952	5.944	6.222	6.374	6.065	6.175	6.039	6.058	6.174	5.999	6.003	6.006	5.971	6.066	6.165	6.040	5.862	5.836	6.089	
1460306	at	Uvif		AW125804	Mm.10694		1	6.181	5.981	6.120	6.149	5.983	5.824	6.144	6.053	5.936	5.786	5.983	6.067	5.995	6.147	6.044	6.076	6.068	6.151	5.975	6.308	5.980	6.075	6.391	6.226	
1460307	at	Akt3		AF124142	Mm.235194		1	6.684	7.104	6.824	6.972	6.843	6.832	6.925	6.908	7.297	7.058	7.077	6.839	7.072	7.075	6.855	6.911	6.708	6.799	6.794	6.885	6.728	6.552	6.748	6.844	
1460308	a	at	Ict1	NM 026729	Mm.271062		11	10.481	10.570	10.417	10.463	10.482	10.543	10.616	10.883	10.416	10.282	10.519	10.489	10.338	10.214	10.256	10.372	11.114	11.056	10.640	10.679	10.801	10.963	10.424	10.301	
1460309	at	Tal2		NM 009317	Mm.56955		4	5.471	4.913	5.299	5.224	5.281	5.422	5.234	5.116	5.067	5.170	5.135	5.065	5.113	5.176	5.395	5.360	5.270	5.301	5.245	5.401	5.199	5.078	5.402	5.489	
1460310	a	at	Gh1	NM 008117	Mm.343934		11	7.165	7.029	7.029	7.168	6.966	7.149	7.174	7.237	7.150	7.308	6.963	7.046	7.118	7.160	7.107	7.086	7.246	7.048	7.226	7.112	7.185	7.209	7.149	7.345	
1460311	at	Srst		NM 009276	Mm.439762		17	4.130	4.120	4.415	4.135	3.926	4.157	4.255	4.098	4.027	4.154	4.370	4.059	4.136	4.073	4.106	4.098	4.181	4.081	4.166	4.192	4.038	4.246	4.081	4.096	
1460312	at	Orf157		ORF0157	Mm.439768		4	6.140	6.267	6.145	6.232	6.140	6.089	6.236	6.154	6.192	6.163	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	6.144	
1460313	at	Orf2		NM 010984	Mm.246522		7	7.726	7.657	6.684	7.567	6.516	6.455	6.867	6.635	6.452	6.867	6.635	6.452	6.867	6.635	6.452	6.867	6.635	6.452	6.867	6.635	6.452	6.867	6.635	6.452	6.867
1460314	s	at	Hist2h3c1	NM 019469	Mm.383293		3	7.551	7.941	7.771	7.810	7.755	7.510	7.204	7.559	8.381	8.177	7.760	7.978	7.979	7.752	7.535	7.764	7.886	7.913	7.903	7.613	7.828	7.832	7.734	7.613	
1460315	s	at	Tbk1	NM 019786	Mm.34580		10	9.678	9.847	9.712	9.577	9.623	9.628	9.503	9.524	9.774	9.730	9.469	9.676	9.681	9.764	9.762	9.626	9.585	9.481	9.515	9.354	9.570	9.897	9.727	9.863	
1460316	at	Acs1		BI413218	Mm.210323		8	9.674	9.248	9.472	9.666	9.491	9.555	9.672	9.630	9.113	9.113	9.483	9.247	9.335	9.430	9.404	9.516	9.678	9.824	9.806	9.598	9.737	9.681	9.965	9.908	
1460317	s	at	Gna13	BI662324	Mm.193925		11	8.152	8.629	7.989	8.007	8.225	8.300	7.828	8.150	8.462	8.621	8.537	8.276	8.349	8.029	8.399	7.946	7.972	8.009	7.886	7.824	8.077	8.099	7.966	8.217	
1460318	at	Csrp3		NM 013808	Mm.17235		7	14.549	14.702	14.409	14.347	14.488	14.415	14.552	14.829	14.566	14.542	14.824	14.569	14.490	14.716	14.593	14.365	14.471	14.685	14.595	14.386	14.581	14.540	14.374	14.421	
1460319	at	Fut8		NM 016893	Mm.35228		12	9.012	9.074	9.182	9.099	9.190	9.296	9.126	9.902	9.002	9.238	8.845	9.085	9.073	9.071	9.175	9.235	8.832	9.122	9.240	9.225	8.700	8.876	9.928	9.307	
1460320	at	Mem1		NM 015804	Mm.24027		11	9.975	9.232	9.345	9.218	9.154	9.238	9.702	9.174	9.135	9.427	9.544	9.135	9.427	9.544	9.135	9.427	9.544	9.135	9.427	9.544	9.135	9.427	9.544	9.135	9.427
1460321	at	Cntn4		NM 007518	Mm.321683		6	5.833	5.612	5.867	5.845	5.722	5.616	5.791	5.681	5.739	5.422	5.596	5.667	5.665	5.542	5.752	5.766	5.646	5.576	5.513	5.802	5.705	5.856	5.883		
1460322	at	Chst3		NM 016803	Mm.12866		10	6.659	7.343	7.479	7.628	7.538	7.548	7.637	7.357	7.564	7.348	7.597	7.419	7.652	7.571	7.556	7.545	7.441	7.551	7.556	7.573	7.457	7.718	7.776		
1460323	at	Tars		AK010256	Mm.286061		5	9.426	10.257	9.574	9.716	9.669	9.960	9.581	9.528	9.749	9.690	9.983	9.606	9.474	9.923	9.508	9.567	9.470	9.693	9.600	9.459	9.437	9.500	9.442	9.493	
1460324	at	Dnm13a		BB795491	Mm.5001		12	9.139	9.097	9.359	9.670	9.618	9.593	9.332	9.235	9.230	9.533	9.902	9.629	9.439	8.783	9.383	9.390	9.893	9.627	9.616	9.564	9.616	9.322	9.349		
1460325	at	Pum1		BB831711	Mm.440206		4	8.934	8.771	8.804	9.212																					

1460375	at	0610038D11Rik	BC019418	Mm.318804	19	6.777	6.601	6.455	6.619	6.631	6.313	6.588	6.666	6.876	6.652	6.789	6.650	6.845	6.707	6.500	6.623	6.652	6.668	6.639	6.601	6.657	6.739	6.571		
1460376	a	Cox15	BC011509	Mm.248237	19	6.779	6.737	6.883	6.867	6.715	6.734	6.921	6.582	6.706	6.690	6.659	6.750	6.456	6.651	6.622	6.786	6.971	6.626	6.677	6.996	7.308	6.866	6.461	7.059	7.113
1460377	a	Tmem8	BC005722	Mm.304656	17	7.517	7.482	7.631	7.588	7.537	7.464	7.593	7.293	7.475	7.528	7.379	7.363	7.341	7.626	7.452	7.674	7.684	7.574	7.491	7.599	7.701	7.490	7.542	7.483	7.348
1460378	a	Tes	BC010465	Mm.436548	16	8.791	9.074	8.476	8.391	8.990	8.354	8.352	8.901	9.186	8.768	9.069	8.628	8.853	9.098	8.663	8.449	8.314	8.183	8.027	8.179	8.793	8.744	8.711	8.711	8.418
1460379	at	Hoxb4	AV030186	Mm.35461	11	6.812	6.770	6.516	6.475	6.779	6.428	6.430	6.847	6.738	6.552	6.526	6.522	6.703	6.592	6.682	6.540	6.448	6.611	6.580	6.604	6.644	6.825	6.640	6.921	
1460380	at	Dsg2	AB072269	Mm.345891	18	8.631	8.176	8.585	8.578	8.208	8.635	8.535	7.937	7.708	7.963	8.005	7.916	7.800	8.074	8.342	8.074	8.738	8.976	8.929	8.962	8.389	8.445	8.874	8.608	8.941
1460381	at	Boc23179	BC023179	Mm.360403	7	4.081	4.335	4.294	4.196	4.240	4.286	4.213	4.361	4.318	4.281	4.024	4.204	4.445	4.203	4.198	4.153	4.254	4.266	4.214	4.007	4.186	4.269	4.158	3.934	
1460382	at	Boc20535	BC020535	Mm.299979	2	8.047	8.036	8.068	8.061	8.118	8.015	8.146	8.381	7.811	7.978	8.065	8.069	8.016	7.845	8.124	8.090	8.373	8.353	8.078	8.133	8.210	8.394	8.115	8.130	
1460383	at	Gnao1	M36778	Mm.251445	8	7.184	7.072	7.121	7.059	7.058	7.025	7.198	7.266	7.290	7.053	7.041	7.121	7.056	7.099	6.979	6.857	7.210	7.023	7.073	6.956	7.068	6.990	7.004	6.865	
1460384	a	Arid4b	BC024724	Mm.439784	13	6.317	6.518	6.381	6.639	6.443	6.463	6.491	6.564	6.103	6.415	6.439	6.400	6.333	6.168	6.484	6.547	6.527	6.476	6.368	6.434	6.279	6.628	6.452	6.463	
1460385	at	Rnfl12	AB013097	Mm.89201	11	7.461	7.358	7.519	7.509	7.297	7.222	7.426	7.544	7.449	7.142	7.267	7.241	7.240	7.261	7.348	7.692	7.687	7.526	7.584	7.466	7.513	7.509	7.235	7.424	7.652
1460386	a	Scl1a1	AF087578	Mm.246670	19	5.899	5.792	5.819	6.005	5.828	5.684	5.806	5.809	5.771	5.644	6.069	5.572	5.872	6.098	5.735	5.870	5.993	6.085	5.764	5.865	5.964	5.864	6.002	5.882	
1460387	a	Siae	AF156856	Mm.196345	9	8.382	8.204	8.629	8.684	8.355	8.822	8.540	8.047	8.150	8.314	8.222	8.418	8.455	8.581	8.307	8.628	8.321	8.296	8.494	8.636	8.939	8.278	8.513	8.432	
1460388	at	Acl6t	BC002159	Mm.49245	12	7.305	6.928	7.136	7.124	7.066	7.197	7.314	7.183	7.002	6.889	7.282	6.986	7.068	7.061	7.272	7.248	7.177	7.316	7.312	7.552	7.088	7.247	7.285	7.217	
1460389	at	Cdk8	BC025046	Mm.260576	5	9.269	9.782	9.451	9.453	9.711	9.668	9.516	9.257	9.723	9.687	9.507	9.788	9.633	9.685	9.462	9.624	9.164	9.409	9.524	9.323	9.157	9.353	9.342	9.547	
1460390	at	Sorl1	B1648081	Mm.121920	9	6.329	6.409	6.185	6.136	6.731	6.301	6.426	6.557	6.665	6.432	6.521	6.360	6.455	6.371	6.421	6.354	6.648	6.621	6.671	6.286	6.481	6.448	6.382	6.358	
1460391	at	Ola1	AK013055	Mm.22661	2	7.267	7.975	7.383	7.304	7.685	7.410	7.501	7.607	7.543	7.476	7.475	7.455	7.280	7.544	7.413	7.359	7.313	7.483	7.324	7.278	7.385	7.633	7.434	7.450	
1460392	a	Env2	BB610210	Mm.291828	15	8.295	9.297	7.890	7.976	8.363	7.673	8.080	9.052	8.886	8.329	8.431	8.672	8.390	8.249	8.185	7.840	8.650	8.489	7.840	7.555	8.409	8.753	7.728	7.704	
1460393	a	Dusp7	BE136125	Mm.275584	9	6.581	6.878	6.576	6.947	6.912	6.849	6.187	6.287	6.688	6.732	6.810	6.828	6.752	6.742	6.910	6.733	6.743	6.804	6.710	7.012	6.883	6.604	6.987	6.844	
1460394	a	Inppl1	BB769433	Mm.5028	7	10.846	11.440	10.907	11.196	11.267	11.203	11.107	10.787	11.592	11.489	11.134	11.434	11.383	11.494	11.255	10.991	11.119	11.289	11.335	11.210	10.752	10.931	10.951	11.024	
1460395	at	Ndcud3	BB139222	Mm.25321	11	10.056	10.304	10.162	10.102	10.127	10.516	10.159	9.729	10.065	10.286	9.902	9.797	9.796	10.076	10.182	10.289	10.050	10.085	10.425	10.019	10.084	10.009	10.544	10.781	
1460396	at	Ddx54	AK010484	Mm.24495	5	8.686	9.510	8.904	9.020	9.094	8.987	8.845	8.763	9.018	9.077	9.125	8.989	8.892	9.231	8.915	8.979	8.843	8.921	9.067	8.843	8.790	8.828	8.943	8.906	
1460397	at	Armc6	BB402275	Mm.383251	8	8.075	9.007	7.583	8.055	8.227	8.136	7.906	8.421	8.800	8.339	8.199	8.246	8.149	8.514	8.018	7.891	8.165	8.308	8.138	8.050	8.127	8.277	7.733	7.922	
1460398	at	Phf8	BG070151	Mm.17156	X	8.475	8.398	8.397	8.202	8.544	8.467	8.239	8.119	8.487	8.604	8.178	8.455	8.447	8.541	8.492	8.392	8.386	8.376	8.386	8.431	8.310	8.579	8.418	8.648	
1460399	at	Ccdc117	AV108872	Mm.210403	11	7.943	7.781	8.432	8.663	8.090	8.201	8.241	7.748	7.499	7.549	8.328	7.769	7.915	8.063	8.068	8.497	7.742	7.895	8.450	8.166	7.961	7.836	8.399	8.142	
1460400	at	Spast	AK007793	Mm.19804	17	9.959	10.071	9.941	10.155	10.222	10.221	10.093	10.058	9.849	9.878	9.987	10.101	10.011	9.887	10.080	9.881	10.319	10.174	10.276	10.198	10.441	10.495	10.186	10.333	
1460401	at	Edem3	BC022919	Mm.318617	11	6.812	6.770	6.516	6.475	6.779	6.428	6.430	6.847	6.738	6.552	6.526	6.522	6.703	6.592	6.682	6.540	6.448	6.611	6.580	6.604	6.644	6.825	6.640	6.921	
1460402	at	Bp11	BC075579	Mm.356059	7	9.151	9.508	9.148	9.245	9.393	9.165	8.997	9.355	9.251	9.335	9.207	9.248	9.307	9.251	9.362	9.262	9.134	9.034	9.262	9.134	9.034	9.262	9.134	9.330	
1460403	at	Psi1	BF117241	Mm.105331	4	6.089	7.652	6.306	6.269	6.947	6.411	6.502	6.628	7.242	7.304	6.521	7.259	7.285	7.365	7.077	6.249	6.385	6.539	6.525	6.398	6.163	6.334	6.602	6.170	
1460404	at	O610007P08Rik	BC026917	Mm.186610	13	9.228	9.117	9.212	9.037	9.180	9.311	9.198	9.069	9.008	9.206	9.100	9.038	9.192	9.281	9.226	9.154	8.964	9.137	8.935	9.157	9.007	9.163	9.689	9.206	
1460405	at	Arhgef101	AV238183	Mm.29329	4	8.623	8.690	8.556	8.648	8.960	8.811	8.542	8.756	8.703	8.788	8.481	8.658	8.735	8.631	8.570	8.679	8.687	8.684	8.733	8.650	8.615	8.661	8.502	8.724	
1460406	at	Ala427122	BC026410	Mm.11869	9	7.204	6.719	7.233	6.969	6.344	6.966	7.054	6.896	7.072	6.988	7.121	6.770	6.856	7.219	7.007	6.691	6.820	7.021	6.925	7.066	6.914	6.809	6.885	7.037	
1460407	at	Spib	BM244106	Mm.8012	7	6.195	6.214	6.319	6.378	6.108	6.119	6.240	6.187	6.163	6.156	6.307	6.062	6.127	6.191	5.971	6.013	6.204	6.114	6.337	6.099	6.217	5.823	6.141	5.876	
1460408	at	Gabra1	AF156490	Mm.255292	5	5.271	5.120	5.365	5.196	5.140	5.576	5.212	5.174	5.432	5.251	5.276	5.043	5.266	5.104	5.229	5.481	5.311	5.250	5.352	5.506	5.426	5.274	5.481	5.216	
1460409	at	100040213	BB095491	Mm.98522	10	9.312	9.276	9.761	9.521	10.053	9.712	10.049	10.086	9.932	7.591	9.230	7.782	10.371	9.994	10.482	10.255	9.923	10.482	10.255	9.923	10.482	10.255	9.923	10.482	
1460410	at	2310079F23Rik	BB095491	Mm.98522	5	7.333	7.533	7.234	7.567	7.297	7.082	7.464	7.336	7.305	7.233	7.362	7.449	7.336	7.308	7.306	7.385	7.096	7.264	6.983	7.332	7.177	7.193	7.392	7.267	
1460411	s	At458124	BC022157	Mm.311974	17	9.219	9.250	9.061	9.735	10.119	9.420	9.366	9.586	9.474	9.765	10.270	9.862	9.659	9.550	10.215	9.193	9.304	9.510	9.513	9.493	10.000	9.524	9.699	9.722	
1460412	at	Fbln7	AA222756	Mm.5107	2	6.752	6.702	6.655	6.843	7.174	6.838	6.875	7.057	7.130	7.055	6.901	7.610	7.412	6.838	7.322	6.434	6.497	6.674	6.939	6.734	6.816	6.535	6.601	6.766	
1460413	s	Zdhhc1	BC026570	Mm.100917	8	8.133	7.993	8.008	8.148	8.050	7.998	7.919	7.881	7.992	7.810	8.008	8.121	8.099	7.854	8.013	8.043	8.223	8.086	8.048	8.260	8.151	8.147	8.048	8.130	
1460414	at	Obsl1	BC025848	Mm.236454	1	6.828	6.758	6.890	6.899	6.956	6.758	6.606	6.833	7.053	7.028	6.907	6.923	6.788	6.822	6.728	6.730	6.660	6.400	6.812	6.851	6.735	6.674	6.824	6.792	
1460415	a	Cd40	AI385482	Mm.271833	2	7.147	7.197	7.086	7.127	7.165	6.966	6.968	6.73																	

1460464	at	2700089E24Rik	AV030118	Mm.291762	6	9.101	8.996	8.914	9.073	9.164	9.230	9.074	9.014	8.582	9.122	9.250	9.130	8.719	9.153	8.989	8.966	9.023	9.054	9.017	9.117	9.284	8.960	9.134	
1460465	at	A930038C07Rik	BE632850	Mm.52392	6	8.182	8.556	7.913	6.829	7.784	7.435	7.488	7.240	9.382	8.523	8.079	8.032	8.263	7.448	7.894	7.998	7.664	7.777	7.311	7.597	7.130	7.193	7.371	7.008
1460466	at	1700047117Rik1	BB824055	Mm.439875	12	7.708	8.497	7.749	7.737	8.279	7.784	7.615	8.099	8.734	8.205	8.082	8.556	8.431	8.531	8.236	7.790	7.696	7.908	8.002	7.687	7.859	8.059	7.872	7.784
1460467	at	lqqc	AK010269	Mm.227918	16	4.522	4.477	4.264	4.348	4.494	4.185	4.440	4.523	4.437	4.217	4.491	4.331	4.362	4.397	4.292	4.401	4.399	4.486	4.380	4.298	4.467	4.551	4.418	4.464
1460468	at	Dnaic22	BB657713	Mm.30544	15	5.325	5.160	5.333	5.452	5.428	5.451	5.459	5.286	5.514	5.346	5.446	5.469	5.505	5.430	5.419	5.822	5.478	5.822	5.478	5.822	5.547	5.344	5.433	
1460469	at	Tlfrst9	BM250782	Mm.244187	4	7.820	7.559	7.601	7.591	7.447	7.361	7.616	7.709	7.389	7.589	7.651	7.533	7.562	7.561	7.631	7.721	7.629	7.617	7.629	7.617	7.639	7.427	7.582	7.762
1460470	at	Acoxi	AK004775	Mm.244835	2	6.772	6.398	6.621	6.728	6.689	6.480	6.503	6.624	6.688	6.622	6.621	6.503	6.711	6.622	6.494	6.680	6.677	6.493	6.561	6.848	6.853	6.624	6.671	6.471
1460471	at	Ooeo	BB702364	Mm.26883	9	7.667	7.248	7.612	7.467	7.610	7.417	7.706	7.496	7.566	7.506	7.697	7.324	7.676	7.526	7.599	7.571	7.552	7.691	7.579	7.762	7.731	7.433	7.587	7.608
1460472	at	Cdk3	AK009918	Mm.33677	11	6.590	6.917	6.811	6.881	6.672	6.724	6.849	7.021	6.968	6.829	7.000	6.882	6.811	6.981	6.959	6.896	7.024	6.675	6.849	6.951	6.520	6.718	6.644	6.919
1460473	at	6230040D17Rik	AK018074	Mm.436043	14	6.339	5.981	6.054	5.944	5.834	5.828	5.726	6.094	5.343	5.708	5.964	5.717	5.648	5.792	6.010	5.882	6.050	6.087	6.142	5.840	6.156	6.208	5.794	6.262
1460474	at	2610028L16Rik	C76835	NA	12	6.753	7.096	6.740	6.797	7.081	6.963	6.839	7.390	7.706	7.368	6.983	7.353	7.433	7.024	6.711	6.526	6.893	6.649	6.232	6.404	6.707	7.290	7.009	6.668
1460475	at	3110056J03Rik	AV105176	NA	6	6.439	6.306	6.158	6.336	6.399	6.050	6.306	6.329	6.343	6.260	6.244	6.336	6.329	6.217	6.267	6.129	6.371	6.319	6.301	6.267	6.411	6.396	6.169	6.351
1460476	s at	1200015N20Rik	BB709285	Mm.19825	10	5.775	5.529	5.690	5.907	6.125	5.698	5.908	6.075	6.154	5.862	5.851	5.919	6.066	5.976	5.728	5.701	6.083	5.946	5.760	5.472	5.84	6.027	5.506	5.543
1460477	at	1700010C24Rik	AK005816	Mm.126450	15	6.234	6.316	6.310	6.392	6.194	6.395	6.267	6.255	6.135	6.321	6.333	6.281	6.501	6.323	6.199	6.240	6.311	6.206	6.168	6.278	6.426	6.335	6.505	6.540
1460478	at	2200022J24Rik	AK008620	Mm.307035	7	8.059	7.614	8.026	7.831	7.785	7.780	7.729	7.782	7.783	7.681	7.828	7.667	7.873	7.813	7.637	7.909	7.788	7.730	7.767	7.958	7.862	7.650	7.943	7.929
1460479	at	A330094K24Rik	AK020726	Mm.403904	18	5.635	5.655	5.537	5.497	5.754	5.617	5.568	5.613	5.428	5.563	5.487	5.553	5.604	5.326	5.558	5.603	5.513	5.327	5.726	5.680	5.615	5.423	5.337	5.384
1460480	at	Ersv3	AK005451	Mm.22	2	5.890	5.515	5.823	5.738	5.836	5.869	5.921	5.748	5.768	5.646	5.963	5.544	5.772	5.665	5.780	5.888	5.745	6.070	5.774	6.014	5.726	5.766	5.850	5.930
1460481	at	ENSMUSG000000	AK015109	NA	10	6.012	5.946	5.954	6.097	5.965	5.965	6.094	6.103	6.073	6.056	5.890	6.163	6.101	5.882	5.946	5.902	5.886	5.795	5.927	6.139	6.248	5.945	6.016	5.865
1460482	at	3110047P20Rik	AW123948	Mm.319487	5	5.829	5.672	5.797	5.945	5.653	5.834	5.938	5.655	5.654	5.425	6.204	5.435	5.713	5.834	5.809	5.593	5.708	5.775	5.588	5.880	5.742	5.510	5.894	5.677
1460483	at	2610034E01Rik	AV115271	Mm.404048	10	6.535	6.801	6.404	6.253	6.470	6.349	6.458	6.295	6.597	6.699	7.384	6.238	6.591	6.718	6.487	6.520	6.410	6.283	6.351	6.233	6.450	6.219	6.461	6.427
1460484	at	Tli	AK010374	Mm.33909	2	7.590	7.417	7.561	7.763	7.399	7.534	7.611	7.694	7.447	7.586	7.739	7.645	7.417	7.513	7.531	7.584	7.640	7.523	7.500	7.487	7.580	7.591	7.690	7.637
1460485	at	8430434A19Rik	AV169955	NA	19	4.283	4.200	4.039	4.210	4.067	4.131	4.338	4.075	4.208	4.129	4.389	4.144	4.232	4.191	4.122	4.170	4.236	4.317	4.225	4.636	4.117	4.210	4.206	4.327
1460486	at	Rabqa1	BB486322	Mm.383196	2	6.277	6.271	6.020	6.235	6.093	6.197	6.218	6.303	6.218	6.303	6.121	6.215	6.355	6.205	6.177	6.143	6.261	6.297	6.274	6.314	6.327	6.279	6.162	6.187
1460487	at	1110014L15Rik	AV008900	Mm.78027	7	4.735	4.479	4.816	4.633	4.673	4.696	4.646	4.721	4.794	4.670	4.573	4.377	4.680	4.500	4.755	4.682	4.551	4.854	4.776	4.773	4.555	4.681	4.726	4.901
1460488	at	Zbtb4	A1849631	Mm.426361	11	7.005	6.963	6.985	6.913	7.096	6.906	6.975	6.913	7.142	6.766	6.943	7.001	6.878	6.956	7.083	6.883	6.943	6.928	6.911	7.035	6.769	6.729	6.858	6.955
1460489	at	1700097M23Rik	AV270744	Mm.399360	6	4.375	4.036	4.553	4.358	4.308	4.402	4.348	4.498	4.534	4.292	4.629	4.254	4.549	4.376	4.423	4.312	4.606	4.450	4.736	4.430	4.445	4.364	4.315	4.489
1460490	at	lqo15	Mm.182927	NA	4	4.380	4.076	4.054	4.068	4.003	4.040	4.255	4.570	4.568	4.432	4.576	4.426	4.569	4.505	4.438	4.524	4.419	4.582	4.434	4.460	4.456	4.364	4.356	4.434
1460491	at	Invr	AK020226	Mm.317706	12	3.984	3.912	4.052	4.046	4.083	4.161	4.074	4.014	4.029	4.076	3.981	3.989	3.973	4.049	4.154	3.964	4.061	4.029	4.136	4.133	4.221	3.891	4.047	4.072
1460492	at	8030498B09Rik	AK020226	NA	9	5.486	5.162	5.645	5.516	5.551	5.487	5.764	5.481	5.293	5.187	5.511	5.274	5.217	5.358	5.388	5.553	5.604	5.552	5.638	5.545	5.433	5.366	5.464	5.505
1460493	at	ENSMUSG000000	AV323374	Mm.473697	10	4.654	4.389	4.570	4.656	4.419	4.559	4.579	4.826	4.648	4.447	4.904	4.528	4.682	4.678	4.526	4.461	4.647	4.670	4.938	4.813	4.659	4.472	4.943	4.762
1460494	at	Tllil0	AK016396	Mm.400232	4	4.630	4.369	4.549	4.392	4.473	4.512	4.510	4.638	4.367	4.397	4.409	4.682	4.625	4.544	4.483	4.439	4.576	4.341	4.236	4.291	4.404	4.476	4.220	4.296
1460495	s at	Htra2	AK011536	Mm.21880	6	8.776	9.449	8.908	9.153	8.954	9.121	8.948	8.445	9.261	9.103	8.787	9.131	9.048	9.424	8.964	8.896	9.054	9.120	9.130	9.147	9.063	8.992	8.977	9.305
1460496	at	5430413K10Rik	BE862674	Mm.330682	2	5.596	5.108	5.418	5.395	5.369	5.293	5.495	5.134	5.250	5.349	5.447	5.280	5.435	5.333	5.333	5.434	5.713	5.414	5.498	5.531	5.351	5.483	5.581	5.518
1460497	at	12-Sep	AK006458	Mm.87382	16	4.668	4.347	4.511	4.539	4.366	4.600	4.455	4.639	4.439	4.531	4.387	4.508	4.420	4.500	4.384	4.465	4.467	4.690	4.534	4.587	4.615	4.571	4.571	4.687
1460498	at	Dnaic5	AK014071	NA	2	5.596	7.455	5.592	5.454	5.490	6.523	7.532	7.267	7.267	7.203	7.292	7.498	7.505	6.485	6.529	6.529	6.724	6.563	6.596	6.596	6.596	6.596	6.596	6.596
1460499	at	9230110I02Rik	AK020330	NA	3	6.548	6.753	6.944	7.025	6.905	7.389	7.078	6.762	6.641	6.628	6.550	6.901	7.015	6.562	6.680	6.657	7.044	7.199	7.112	7.553	6.942	6.968	7.142	6.505
1460500	at	5033421C21Rik	AK017182	Mm.460684	14	5.422	5.271	5.605	5.490	5.335	5.495	5.675	5.520	5.385	5.304	5.461	5.323	5.385	5.446	5.483	5.445	5.192	5.259	5.442	5.524	5.284	5.205	5.403	5.314
1460501	at	4930521G14Rik	AV266902	Mm.399276	13	3.976	3.945	3.987	3.964	4.055	4.085	3.927	4.042	3.967	4.014	4.111	3.977	4.022	4.003	4.069	3.897	3.881	4.094	3.933	4.034	4.020	3.899	4.047	3.980
1460502	at	2010007E15Rik	AK008146	Mm.410859	8	6.555	6.330	6.345	6.323	6.158	6.149	6.278	6.396	6.151	6.101	6.145	6.224	5.956	6.193	6.269	6.496	6.641	6.593	6.475	6.552	6.255	6.372	6.401	6.444
1460503	at	Zpbd2	A1549911	Mm.55996	14	4.394	4.333	4.339	4.364	4.294	4.599	4.476	4.314	4.291	4.225	4.356	4.336	4.239	4.357	4.282	4.383	4.403	4.545	4.532	4.507	4.369	4.434	4.615	
1460504	at	NA	AK016925	NA	NA	6	6.415	6.085	6.550	6.462	6.122	6.326	6.433	6.471	6.238	5.958</													

1460553	at	1700025K23Rik	BF466605	Mm.45187	10	6.920	6.669	6.821	6.518	7.126	6.898	6.687	6.902	6.993	7.120	7.247	7.417	6.446	6.866	6.674	7.211	6.904	7.110	7.161	7.513	6.774	6.594			
1460554	s	at	Glo1	BB795216	Mm.276271	8	11.073	11.094	11.003	11.231	11.532	11.303	11.058	11.013	11.219	11.312	11.178	11.253	11.325	11.274	11.010	11.409	11.305	11.248	11.173	11.180	11.469	11.105	11.135	
1460555	at	6330500D04Rik	BM242294	Mm.217319	13	8.093	8.052	8.539	8.588	7.922	8.353	8.054	7.511	7.361	7.148	7.196	7.520	7.462	7.899	7.624	8.511	8.362	8.170	8.097	8.271	8.395	8.260	8.356	7.860	
1460556	at	Mcail1	AF096898	Mm.196480	15	10.821	11.242	10.534	10.845	10.947	10.520	10.590	10.972	11.121	11.121	11.148	11.019	11.226	10.932	10.880	10.666	10.589	10.555	10.666	10.508	10.381	10.719	10.419	10.531	
1460557	at	Snpv311	AI452098	Mm.235898	10	10.003	10.022	10.148	10.049	9.817	10.121	10.150	9.474	9.507	9.851	9.954	9.743	9.482	9.732	9.731	10.151	9.806	9.274	10.225	10.235	9.898	9.756	10.261		
1460558	at	Cknc2	AV295800	Mm.292465	2	7.988	8.352	8.021	8.095	8.587	8.021	8.213	8.227	8.350	8.369	8.309	8.416	8.398	8.192	8.525	8.129	8.126	8.308	8.256	8.167	8.573	8.075	8.880	8.855	
1460559	at	Kank2	BB038765	Mm.257371	9	11.321	11.490	11.488	11.641	11.690	11.499	11.451	11.174	11.152	11.622	10.822	11.854	11.815	11.416	11.390	11.475	11.218	11.539	11.497	11.378	11.373	11.337	11.382	11.377	
1460560	at	Bahcc1	AI851982	Mm.309498	11	8.302	8.265	8.245	8.512	8.305	8.454	8.346	8.441	8.484	8.392	8.338	8.428	8.427	8.420	8.238	8.398	8.774	8.594	8.583	8.626	8.375	8.300	8.144	8.262	
1460561	x	at	Sepw1	BB464434	Mm.42829	7	12.182	12.448	11.741	12.006	12.652	12.135	12.255	12.839	12.554	12.478	12.906	12.992	12.364	12.376	11.668	12.564	12.444	12.244	11.967	12.555	12.157	11.945	11.610	
1460562	at	Eftud1	BB042938	Mm.238020	7	7.848	8.286	7.788	7.917	8.093	7.703	7.670	7.802	8.257	7.982	7.944	8.062	7.877	8.068	7.765	7.778	7.777	7.737	7.835	7.587	7.741	7.916	7.723	7.702	
1460563	at	Nus20	BE949414	Mm.199964	10	8.997	9.518	9.174	8.863	8.890	8.908	9.037	8.430	9.324	9.545	9.504	8.996	8.984	9.552	9.243	9.077	7.783	8.145	8.441	8.348	8.358	8.420	9.124	9.607	
1460564	at	Zfp280b	BB401995	Mm.80609	10	8.547	8.695	8.716	8.825	8.645	8.974	8.779	8.618	8.511	8.692	8.452	8.733	8.473	8.660	8.763	8.715	8.763	8.741	8.772	8.856	8.765	8.706	8.957	8.706	
1460565	at	Sic41a1	BF134253	Mm.472715	1	10.439	10.487	10.685	10.676	10.415	10.566	10.563	10.298	10.004	10.283	10.388	10.655	10.462	10.311	10.468	10.643	10.821	10.949	11.010	10.929	10.610	10.441	10.560	10.654	
1460566	at	Mta1pA	BB765000	Mm.36501	2	8.757	8.793	8.631	8.534	8.860	8.494	8.645	8.954	9.129	9.288	8.944	9.517	9.183	8.896	8.835	8.713	8.536	8.651	8.567	8.613	8.523	8.520	8.423	8.591	
1460567	at	Rfx7	BB148972	Mm.32081	9	6.982	7.039	7.139	7.154	6.889	7.092	6.867	7.153	6.466	6.806	7.006	7.216	6.998	7.504	7.098	7.156	6.308	7.224	7.032	6.988	6.457	7.004	6.897	6.913	
1460568	at	Trim46	BI156583	Mm.331156	3	7.136	7.218	7.061	7.165	7.236	6.983	7.162	7.308	7.610	7.367	7.283	7.260	7.504	7.180	7.292	7.113	6.998	7.098	7.038	7.173	7.288	7.227	7.154	7.031	
1460569	x	at	Cldn3	AW611462	Mm.158662	5	7.286	7.185	7.246	7.176	7.096	7.232	7.218	7.211	7.015	6.902	6.978	7.082	7.003	7.169	7.037	7.004	7.221	6.994	6.994	7.213	7.141	7.058	7.141	7.289
1460570	at	Pab5d	AV151597	Mm.234233	8	6.855	6.460	6.725	6.359	7.090	6.658	6.688	6.979	6.808	6.714	6.547	6.508	6.752	6.425	6.684	6.803	6.548	6.657	6.560	6.803	6.703	6.545	6.888	6.976	
1460571	at	Dicer1	BM208197	Mm.21135	12	8.537	8.400	8.673	8.747	8.701	8.871	8.809	8.259	8.361	8.589	8.557	8.559	8.526	8.626	8.632	8.749	8.461	8.630	8.744	8.851	8.471	8.449	8.864	8.933	
1460572	a	at	Zfp511	BC178976	Mm.200818	7	7.046	7.050	7.096	7.084	7.075	6.897	6.888	7.114	7.409	6.975	7.053	7.199	7.054	7.012	6.988	6.856	7.330	7.155	6.986	6.862	7.285	7.194	7.087	7.056
1460573	at	AI848100	BM240684	Mm.170002	1	8.003	8.351	8.201	8.044	8.300	8.604	8.234	7.512	8.208	8.694	8.556	8.058	8.242	8.751	8.088	8.257	7.334	7.709	8.292	8.282	7.718	7.602	8.299	8.439	
1460574	at	Fat4	BB038914	Mm.316210	3	7.531	7.352	7.825	8.003	8.085	8.152	7.939	6.992	7.738	7.934	7.730	7.767	8.065	8.003	7.891	7.958	7.249	7.774	7.888	7.927	7.256	7.067	7.432	7.817	
1460575	at	Elf2a	BB667209	Mm.21617	3	9.533	9.431	9.622	9.534	9.453	9.724	9.350	9.489	9.302	9.535	9.189	9.497	9.510	9.445	9.569	9.617	9.572	9.391	9.592	9.514	9.493	9.848	9.406	9.663	
1460576	at	Excoc6	AV248277	Mm.24865	19	10.019	9.805	10.018	9.935	9.992	10.042	10.049	10.014	9.353	9.736	9.569	9.741	9.617	9.607	9.888	9.974	10.247	10.160	10.161	10.093	9.817	10.053	9.964	9.925	
1460577	at	Na	BO031479	NA	NA	8.987	9.171	10.158	9.840	9.690	9.868	9.786	9.725	9.076	9.661	9.359	9.707	9.742	9.290	9.756	10.251	9.989	9.839	9.878	9.920	9.950	20.207	9.949	10.173	
1460578	at	Fdd5	BM120195	Mm.295740	6	9.735	9.562	10.013	9.851	9.847	9.900	9.736	10.163	9.737	9.994	10.098	10.159	10.075	9.817	10.165	9.936	10.022	10.145	9.886	9.956	10.227	10.365	10.102	10.162	
1460579	at	Snpdep	BB080988	Mm.236098	7	8.574	8.595	8.744	8.598	7.903	7.820	7.907	7.674	8.060	7.946	7.846	7.908	7.854	8.121	8.035	7.967	7.989	7.944	7.989	7.944	7.989	7.944	7.989	7.944	
1460580	at	Bp771292	Mm.86584	NA	12	9.799	9.935	9.770	9.766	9.792	9.922	9.757	9.695	9.435	9.617	9.603	9.750	9.597	9.537	9.537	9.816	9.912	10.011	9.882	9.927	9.816	9.836	9.836	9.836	
1460581	a	at	Rpl13	AI506565	Mm.319719	8	12.798	13.361	12.398	12.676	12.871	12.706	12.782	13.395	13.582	13.085	13.013	13.104	13.137	13.183	12.597	12.457	13.401	13.184	12.714	12.712	13.263	13.365	12.415	12.882
1460582	x	at	NA	BI076807	NA	NA	8.115	7.191	8.210	7.855	7.580	8.060	7.793	7.847	7.069	7.757	7.692	7.474	7.356	7.268	7.756	8.450	7.831	7.984	7.995	7.964	7.989	8.024	8.608	8.352
1460583	at	Glo1b	AV349681	Mm.3676	6	5.194	5.919	5.496	5.224	5.524	5.416	5.369	5.010	5.534	5.639	5.608	5.519	5.369	5.843	5.493	5.303	5.366	5.540	5.463	5.342	5.387	5.158	5.439	5.271	
1460584	at	Hispd2A	AV272180	Mm.386076	2	10.567	10.345	10.418	10.248	10.498	9.990	10.215	10.542	10.508	10.448	10.095	10.319	10.223	10.304	10.082	10.651	10.275	10.362	10.258	10.211	10.194	10.255	10.227	10.332	
1460585	x	at	Pisd	AV212090	Mm.237655	5	11.081	10.942	10.966	11.034	10.894	10.914	10.905	10.783	10.942	10.774	10.921	10.635	10.881	10.929	10.791	10.862	10.903	10.883	10.949	11.056	11.013	10.874	10.999	11.014
1460586	at	Meaf8	BE573060	Mm.38527	7	9.120	9.805	9.728	10.089	10.318	9.873	9.513	9.587	9.839	9.885	9.833	10.122	10.244	9.663	10.086	9.730	9.971	9.814	10.019	9.728	9.806	9.904	9.853	10.084	
1460587	at	Zfp3021515Rik	BB224305	Mm.246138	3	7.351	7.075	7.290	7.258	7.426	7.210	7.172	7.124	7.265	7.129	7.402	7.063	7.325	7.428	7.063	7.325	7.428	7.063	7.325	7.428	7.063	7.325	7.428	7.063	7.325
1460588	at	Na	BE457506	NA	NA	6.463	6.565	6.758	6.651	6.706	6.842	6.890	6.931	6.828	6.879	6.488	6.586	6.809	6.676	6.767	6.878	6.741	6.978	6.864	6.656	6.815	6.849	6.394	6.756	
1460589	at	Zfp597	AV270881	Mm.379190	16	6.088	6.078	5.978	6.261	5.752	6.332	6.247	5.752	5.701	6.116	5.515	5.986	5.667	5.896	5.909	6.211	5.637	5.665	5.759	5.919	6.002	6.059	6.468	6.358	
1460590	s	at	LOC10039786	BB422310	Mm.458320	13	11.277	12.038	11.421	11.420	11.656	11.403	11.386	11.728	11.823	11.888	11.903	11.717	11.653	11.912	11.585	11.269	11.146	11.191	11.095	10.991	11.283	11.390	11.460	11.356
1460591	at	Esrl	AI646838	Mm.9213	10	6.967	6.838	6.850	7.089	7.077	7.713	7.191	6.761	6.971	7.031	6.607	6.839	6.927	6.982	7.014	6.836	6.762	7.057	7.078	6.970	7.043	6.969	6.959	6.983	
1460592	at	Esp4a.1l1	BB164958	Mm.20852	2	7.723	8.079	7.807	7.766	7.840	7.674	7.626	8.073	8.175	7.972	7.922	8.289	8.110	8.136	7.683	7.718	7.659	7.792	7.752	7.193	7.379	8.079	7.430	7.464	
1460593	at	Pubd4	BF455403	Mm.331052																										

1460642	at	Tra4	NM 009423	Mm.390418	11	7.278	7.514	7.076	7.341	7.552	7.225	7.374	7.608	7.752	7.507	7.581	7.458	7.509	7.696	7.485	7.598	7.535	7.633	7.505	7.429	7.734	7.442	7.782	
1460643	at	Ell	BC024894	Mm.271973	8	8.911	9.065	8.798	8.797	8.818	8.719	8.683	8.798	8.803	8.856	9.229	9.047	8.892	8.653	8.944	8.821	8.720	8.832	8.832	8.696	8.934	8.821	9.194	8.938
1460644	at	Bckd	NM 009739	Mm.425495	7	10.126	9.949	10.191	10.247	10.096	10.185	10.007	9.920	9.783	9.904	9.905	10.107	9.849	9.739	10.054	10.183	10.252	10.341	10.290	10.243	10.216	10.159	10.081	10.106
1460645	at	Chordc1	NM 025844	Mm.103534	9	10.799	10.933	11.220	11.032	10.480	10.949	11.129	10.363	10.494	10.917	11.190	10.533	10.499	10.950	10.850	11.162	10.189	10.332	10.605	10.541	10.679	10.694	11.363	11.649
1460646	at	Csqk2a	NM 009974	Mm.440348	8	8.837	9.044	8.704	8.701	8.965	8.917	8.858	8.819	9.081	8.952	8.871	9.068	8.875	8.830	8.941	8.815	9.068	8.940	8.816	8.787	8.908	8.145	8.741	8.848
1460647	at	Nr2f6	NM 011050	Mm.28989	8	8.622	8.063	8.284	8.588	8.693	8.700	8.523	8.188	8.935	8.815	8.574	9.026	8.554	8.649	8.430	8.146	8.066	9.031	8.665	8.357	8.839	9.396	8.491	8.540
1460648	at	Nr2f6	NM 010150	Mm.28989	8	9.608	10.274	9.557	10.047	9.885	9.770	9.790	10.073	10.146	9.998	9.836	9.998	9.891	9.938	9.714	9.617	10.063	10.154	10.022	9.886	9.797	9.782	9.622	9.750
1460649	at	Itrak1	BE949425	Mm.38241	X	8.950	8.917	8.612	8.682	8.826	8.764	8.773	9.355	8.751	8.755	8.754	8.801	8.783	8.592	8.676	8.725	9.152	8.871	8.789	8.719	9.209	9.443	8.765	8.651
1460650	at	Atp6v0a1	U13836	Mm.340818	11	7.224	7.151	7.455	7.394	7.248	7.262	7.296	6.354	6.622	7.592	7.139	7.010	6.820	7.197	7.291	7.545	6.466	6.951	7.285	7.377	6.843	6.276	7.706	7.599
1460651	at	Lat	AF036907	Mm.10280	7	7.422	7.036	7.519	7.396	7.207	7.159	7.191	7.423	7.303	7.315	7.294	7.331	7.140	7.116	7.284	7.207	7.345	7.545	7.207	7.318	7.393	7.443	7.338	7.425
1460652	at	Esrra	NM 007953	Mm.386776	19	10.647	10.624	10.746	10.724	10.476	10.508	10.645	10.229	10.209	10.447	10.388	10.379	10.075	10.380	10.440	10.680	10.365	10.830	10.820	10.842	10.740	10.139	10.606	10.695
1460653	at	Atxn2	NM 009125	Mm.260900	5	8.593	8.524	8.600	8.550	8.686	8.556	8.493	8.383	8.382	8.772	8.425	8.513	8.690	8.576	8.523	8.747	8.410	8.486	8.711	8.706	8.563	8.360	8.532	8.728
1460654	at	Sic3oa3	U76007	Mm.1396	5	8.768	8.453	8.534	8.903	8.691	8.607	8.708	8.683	8.762	8.622	8.751	8.602	8.692	8.824	8.664	8.606	8.669	8.616	8.678	8.701	8.740	8.564	8.817	8.646
1460655	a	Ubp1	NM 013699	Mm.28052	9	8.802	8.837	8.796	8.847	8.821	8.942	8.800	8.461	8.753	8.778	8.722	8.744	8.882	8.977	8.585	8.857	8.585	8.507	8.518	8.418	8.601	8.631	8.751	
1460656	a	Sft2d1	NM 134114	Mm.430786	17	9.782	10.429	9.797	9.963	9.802	10.079	9.966	9.328	10.118	10.040	10.015	9.893	9.842	10.327	9.716	9.861	9.483	9.637	9.816	9.567	9.578	9.597	9.823	9.724
1460657	a	Wnt10a	NM 009518	Mm.5130	1	6.398	6.388	6.377	6.416	6.392	6.349	6.415	6.429	6.450	6.325	6.465	6.196	6.321	6.280	6.435	6.480	6.362	6.397	6.484	6.495	6.414	6.365	6.550	6.395
1460658	a	Ap1q1	AW551707	Mm.37210	8	4.398	4.133	4.231	4.037	4.159	4.150	4.015	4.215	4.220	4.016	4.301	4.144	4.464	4.405	4.087	4.128	4.152	4.292	4.194	4.142	4.324	4.023	4.424	3.971
1460659	a	NA	BG975479	NA	NA	6.960	6.568	6.694	6.936	6.782	6.721	6.733	7.014	6.701	6.483	6.764	6.759	6.589	6.615	6.780	6.820	6.833	6.292	6.873	6.844	6.449	6.856	6.965	6.902
1460660	x	Per1	NM 026395	Mm.241604	4	10.987	11.216	11.072	11.156	10.910	10.786	10.942	11.012	10.961	10.989	10.879	11.216	11.015	11.109	10.938	11.089	10.709	11.035	10.914	10.942	10.923	10.652	10.832	10.869
1460661	at	S1p3	NM 010101	Mm.136736	13	6.498	6.411	6.597	6.690	6.385	6.592	6.530	6.380	6.501	6.417	6.592	6.403	6.398	6.654	6.412	6.541	6.358	6.341	6.535	6.609	6.407	6.323	6.539	6.482
1460662	at	Per3	NM 011067	Mm.121361	4	5.802	5.866	5.689	5.826	5.970	5.663	5.794	5.824	5.816	5.713	5.859	5.558	5.822	5.910	5.612	5.812	5.874	5.812	5.808	5.888	5.859	5.801	5.808	5.579
1460663	at	Cckbr	NM 007627	Mm.44513	7	6.555	6.518	6.776	6.731	6.821	6.708	6.823	6.667	6.580	6.516	6.300	6.620	6.718	6.611	6.624	6.570	6.992	6.969	6.873	6.733	6.936	6.953	6.813	6.744
1460664	at	Ikk2f4	NM 011772	Mm.358648	10	7.210	6.853	7.195	7.114	7.066	7.064	7.124	7.176	7.053	7.111	6.296	6.886	7.086	7.204	6.994	7.110	7.206	7.045	7.173	7.410	7.306	7.000	7.311	7.281
1460665	a	Cnot7	NM 011135	Mm.272551	8	7.121	7.005	6.960	7.028	6.807	7.131	7.088	6.687	6.858	7.125	6.763	6.758	6.728	7.158	6.939	7.089	6.709	6.639	7.040	7.173	6.929	6.843	7.041	7.173
1460666	a	Ebf3	NM 010096	Mm.258708	7	6.134	5.911	6.173	6.052	6.116	5.953	6.280	5.881	6.122	6.098	5.826	6.057	6.059	6.227	6.179	6.195	5.749	5.970	6.319	6.088	6.112	6.062	6.315	6.296
1460667	at	U90926	NM 020562	Mm.2548	5	7.859	7.554	8.074	8.019	7.881	7.917	7.975	7.943	7.968	7.699	8.059	7.830	7.920	7.917	8.023	7.939	7.901	8.121	8.195	7.913	8.096	8.020	8.029	7.995
1460668	at	U90926	NM 020562	Mm.2548	5	7.859	7.554	8.074	8.019	7.881	7.917	7.975	7.943	7.968	7.699	8.059	7.830	7.920	7.917	8.023	7.939	7.901	8.121	8.195	7.913	8.096	8.020	8.029	7.995
1460669	at	U90926	NM 020562	Mm.2548	5	7.859	7.554	8.074	8.019	7.881	7.917	7.975	7.943	7.968	7.699	8.059	7.830	7.920	7.917	8.023	7.939	7.901	8.121	8.195	7.913	8.096	8.020	8.029	7.995
1460670	at	Rio3k	NM 020182	Mm.28551	18	9.164	9.601	7.908	7.869	8.043	9.522	7.846	7.876	7.808	8.081	7.901	9.903	9.451	7.835	7.870	7.940	8.013	8.007	7.858	7.847	8.088	8.237	7.986	8.071
1460671	at	Gpx1	BI219063	Mm.1090	9	11.358	12.479	11.388	11.445	12.285	11.633	11.360	12.117	12.761	12.308	11.924	12.342	12.264	12.271	11.777	11.432	11.717	11.551	11.398	11.112	11.603	11.162	10.943	10.979
1460672	at	2410002F23Rik	BC016099	Mm.274492	7	7.105	7.554	7.267	7.395	7.658	7.848	7.243	6.963	7.435	7.301	7.670	7.401	7.473	7.417	7.511	7.290	7.477	7.525	7.771	7.629	7.246	6.937	7.502	7.091
1460673	at	Fpas	U33557	Mm.3830	2	8.537	8.620	8.502	8.694	8.598	8.445	8.527	8.376	8.700	8.613	8.798	8.638	8.636	8.658	8.496	8.551	8.499	8.589	8.669	8.489	8.426	8.373	8.499	8.450
1460674	at	Paa7r	BC022922	Mm.142343	4	9.720	9.848	9.572	9.835	10.242	9.693	9.665	10.018	9.957	9.904	9.507	9.676	9.761	9.368	9.652	9.390	10.118	9.954	9.772	9.807	10.170	10.181	9.548	9.459
1460675	at	Irsf8	AF411055	Mm.271717	1	9.037	8.803	9.043	9.340	9.440	9.403	9.231	9.091	9.719	9.637	9.198	9.528	9.507	9.710	9.389	9.070	8.852	9.163	9.143	8.864	9.030	8.908	8.949	8.978
1460676	at	U90926	NM 020562	Mm.2548	5	7.859	7.554	8.074	8.019	7.881	7.917	7.975	7.943	7.968	7.699	8.059	7.830	7.920	7.917	8.023	7.939	7.901	8.121	8.195	7.913	8.096	8.020	8.029	7.995
1460677	at	Spa2s	BC023432	Mm.276650	15	8.587	8.886	8.397	8.484	8.750	8.472	8.453	8.540	8.975	8.927	8.718	8.727	8.744	8.695	8.362	8.224	8.620	8.592	8.590	8.495	8.347	8.374	8.102	8.394
1460678	at	Klhd2c	BC005581	Mm.234368	12	10.204	10.020	10.395	10.202	9.871	10.146	10.175	9.710	9.576	9.857	9.716	9.875	9.857	9.865	10.028	10.337	10.076	10.060	10.157	10.238	10.182	10.187	10.302	10.488
1460679	at	Exosc4	AK005101	Mm.322752	15	8.441	8.932	8.445	8.753	8.684	8.778	8.391	8.758	8.694	8.675	8.528	8.812	8.706	8.841	8.560	8.228	8.764	8.836	8.872	8.662	8.493	8.601	8.163	8.392
1460680	a	Rlp23	BC025918	Mm.140380	11	13.004	13.507	12.704	12.840	13.112	12.951	12.846	13.443	13.797	13.322	13.095	13.363	13.365	13.354	12.707	13.408	13.274	13.012	12.915	13.328	13.347	12.777	12.515	
1460681	at	Ceacam2	BC024320	Mm.439731	7	9.908	9.383	9.776	9.857	9.728	9.609	9.817	9.629	9.467	9.562	9.733	9.629	9.699	9.684	9.540	9.845	9.570	9.716	9.553	9.744	9.880	9.793	10.040	9.678
1460682	s	Ceacam2	BC024320	Mm.439731	7	9.315	8.993	9.364	9.133	9.001	8.977	9.18																	

1460732	a	at	Pol	AF126834	Mm.266875	16	8.757	8.071	8.867	9.078	8.391	9.077	8.812	8.589	8.140	8.204	8.403	8.536	8.265	8.506	8.678	8.908	8.794	8.959	8.803	8.924	8.975	8.744	8.997	9.149	
1460733	at		Unc119b	BB390422	Mm.475921	5	8.430	8.540	8.597	8.544	8.568	8.325	8.477	8.536	8.645	8.706	8.749	8.570	8.546	8.600	8.559	8.659	8.794	8.514	8.406	8.578	8.523	8.441	8.684	8.496	
1460734	at		Ccl9a3	BG074456	Mm.141312	2	7.536	7.390	7.451	7.620	7.497	7.249	7.330	7.431	7.547	7.465	7.418	7.426	7.456	7.436	7.318	7.341	7.483	7.201	7.306	7.442	7.468	7.374	7.509	7.323	
1460735	at		Svil	BM203457	Mm.136791	18	11.874	11.490	11.745	11.838	11.932	11.749	11.781	11.862	11.469	11.765	11.844	11.827	11.823	11.497	11.824	11.719	11.793	11.793	11.566	11.854	11.768	11.913	11.939	11.945	
1460736	at		AZ00054D04Rk	BN247617	Mm.158726	5	8.575	8.355	8.638	8.625	8.771	8.634	8.618	8.450	8.641	8.750	8.473	8.742	8.708	8.467	8.651	8.575	8.895	8.880	8.684	8.661	8.834	8.660	8.788		
1460737	at		Igfbp1	AA960310	Mm.7454	X	7.752	7.924	7.873	7.735	7.692	7.749	7.824	8.198	7.973	8.040	7.560	8.152	8.103	7.774	7.821	7.821	7.620	5.880	8.297	7.724	8.262	8.603	7.728	7.704	
1460738	at		Limd2	A012581	Mm.21687	11	5.314	5.201	5.326	5.441	5.357	5.309	5.386	5.295	5.437	5.208	5.472	5.372	5.278	5.421	5.400	5.308	5.516	5.421	5.440	5.359	5.359	5.576	5.501	5.550	
1460739	at		Zmiz2	B0174371	Mm.1144	11	9.590	9.711	9.316	9.529	9.674	9.397	9.456	9.654	9.573	9.511	9.487	9.638	9.572	9.461	9.334	9.277	9.806	9.838	9.528	9.493	9.670	9.660	9.467	9.428	
1460740	at		Ctbt	AK009844	Mm.290026	13	9.393	8.995	9.524	9.437	9.597	9.469	9.427	8.681	9.077	10.043	9.787	9.485	9.512	9.989	9.556	9.513	9.889	9.080	9.415	9.214	8.710	8.520	9.443	9.470	
1460741	x	at	D17Wsu92e	BG069802	Mm.196577	17	6.792	6.817	6.463	6.674	6.970	6.539	6.698	6.698	7.492	6.449	6.789	6.581	6.667	6.484	6.485	6.662	6.891	7.881	6.949	7.057	6.678	7.254	7.813	7.088	7.363
1460742	at		Alq3	BI144423	Mm.24950	16	9.418	10.161	9.504	9.196	9.404	9.557	9.684	8.394	9.644	9.591	9.641	9.343	9.186	9.916	9.268	9.358	9.321	9.570	9.648	9.578	9.286	9.293	9.224	9.342	
1460743	at		Tfio5	BB553398	Mm.275583	15	7.552	7.645	7.628	7.840	7.799	7.563	7.625	7.752	7.833	7.687	7.718	7.912	7.710	7.673	7.654	7.543	7.867	7.757	7.739	7.753	7.953	7.864	7.880	7.584	
1460744	at		NA	AH249635	NA	NA	7.448	7.081	7.249	7.280	7.181	7.219	7.261	7.205	7.121	7.075	7.164	7.156	7.173	7.222	7.187	7.219	7.221	7.173	7.246	7.403	7.212	7.046	7.194	7.425	
1460745	at		A630038E17Rik	A1327345	Mm.303179	14	5.874	5.563	5.749	5.669	5.576	5.510	5.574	5.637	5.466	5.546	5.501	5.644	5.509	5.537	5.732	5.839	5.726	5.704	5.816	5.873	5.356	5.530	5.500	5.578	
1460746	at		Fionl1	AA266298	Mm.236114	11	6.984	6.735	6.781	6.866	6.893	6.781	7.012	6.901	6.902	6.617	7.134	6.751	6.984	6.942	6.821	6.915	6.794	6.827	7.021	7.120	6.866	6.789	7.008	7.061	
AFHX-18SRNAm1	NA		NA	AFHX-18SRNAm1	NA	NA	12.927	13.236	12.957	12.967	12.881	13.333	12.999	12.749	12.746	12.451	12.589	12.981	12.842	13.166	13.004	12.987	12.860	12.897	12.882	12.676	12.903	12.861	12.849	12.745	
AFHX-18SRNAm2	NA		NA	AFHX-18SRNAm2	NA	NA	12.926	13.237	12.771	12.803	13.193	13.139	12.908	13.244	13.118	12.687	12.743	13.127	12.808	13.148	13.030	12.866	13.186	12.961	12.919	12.662	13.059	13.215	12.749	12.636	
AFHX-18SRNAm3	NA		NA	AFHX-18SRNAm3	NA	NA	13.212	13.533	13.212	13.180	13.252	13.640	13.249	13.233	13.265	12.835	12.998	13.374	13.125	13.601	13.491	13.321	13.214	13.243	13.262	13.053	13.204	13.250	13.097	13.022	
AFHX-BioB-3 at NA	NA		NA	AFHX-BIOB-3	NA	NA	9.228	9.286	9.748	9.410	9.258	9.545	9.169	9.215	8.858	9.344	9.982	9.105	8.919	9.016	9.383	9.413	9.589	9.487	9.479	9.298	9.484	9.508	9.331	9.864	
AFHX-BioB-5 at NA	NA		NA	AFHX-BIOB-5	NA	NA	8.808	8.788	9.329	8.982	8.823	9.199	8.769	8.849	8.462	8.837	8.562	8.644	8.567	8.625	8.915	8.951	9.111	9.122	9.061	8.931	9.097	8.985	8.965	9.396	
AFHX-BioB-M at NA	NA		NA	AFHX-BIOB-M	NA	NA	9.625	9.645	10.173	9.748	9.556	9.942	9.449	9.558	9.221	9.634	9.963	9.417	9.296	9.272	9.677	9.825	9.925	9.857	9.754	9.567	9.909	9.873	9.698	10.197	
AFHX-BioC-3 at NA	NA		NA	AFHX-BIOC-3	NA	NA	10.615	10.659	11.240	10.942	10.761	11.090	10.681	10.730	10.398	10.755	10.480	10.600	10.504	10.556	10.786	10.918	11.002	11.007	10.947	10.787	10.954	10.920	10.857	11.287	
AFHX-BioC-5 at NA	NA		NA	AFHX-BIOC-5	NA	NA	10.523	10.517	11.094	10.743	10.537	10.933	10.553	10.543	10.177	10.590	10.315	10.334	10.228	10.321	10.626	10.735	10.835	10.783	10.801	10.639	10.749	10.715	10.719	11.094	
AFHX-BioDn-3 a NA	NA		NA	AFHX-BIODN-3	NA	NA	13.049	12.940	13.422	13.249	13.077	13.314	13.080	13.026	12.709	13.078	12.845	12.880	12.791	12.944	13.130	13.237	13.171	13.128	13.246	13.216	13.249	13.129	13.218	13.534	
AFHX-BioDn-5 a NA	NA		NA	AFHX-BIODN-5	NA	NA	11.229	11.309	11.857	11.590	11.333	13.751	11.332	13.128	10.882	11.377	10.958	11.144	10.958	11.125	11.400	11.543	11.602	11.555	11.554	11.411	11.575	11.526	11.447	11.913	
AFHX-Crex-3 at NA	NA		NA	AFHX-CREX-3	NA	NA	14.178	14.114	14.582	14.231	14.142	14.286	14.116	14.053	13.913	14.226	13.899	13.985	13.935	14.057	14.184	14.407	14.118	14.133	14.257	14.142	14.180	14.134	14.172	14.449	
AFHX-Crex-5 at NA	NA		NA	AFHX-CREX-5	NA	NA	13.878	13.865	14.248	14.023	13.918	14.011	13.903	13.834	13.601	13.957	13.677	13.741	13.688	13.812	13.989	14.069	13.895	13.881	13.971	13.882	13.864	13.878	13.995	14.268	
AFHX-DapX-3 at NA	NA		NA	AFHX-DAPX-3	NA	NA	5.129	4.907	5.834	5.847	5.029	4.933	4.932	4.991	4.708	4.828	4.930	4.863	4.798	4.788	4.789	4.924	4.912	4.877	4.988	4.941	4.880	4.943	4.919	5.417	
AFHX-DapX-5 at NA	NA		NA	AFHX-DAPX-5	NA	NA	4.142	4.044	3.976	4.027	3.995	4.039	4.074	4.101	4.033	4.148	4.189	4.095	4.147	4.087	4.040	4.036	4.099	4.063	4.097	4.034	4.080	4.078	4.040	4.019	
AFHX-DapX-M a NA	NA		NA	AFHX-DAPX-M	NA	NA	4.243	4.186	4.294	4.161	4.207	4.085	4.266	4.337	4.223	4.115	4.418	4.322	4.174	4.232	4.143	4.287	4.315	4.270	4.240	4.436	4.301	4.189	4.205	4.247	
AFHX-GapdhMur Gapdh	6			AFHX-GAPDHM Mm.304088	6	14.597	14.842	14.674	14.691	14.863	14.690	14.638	14.702	14.863	14.866	14.777	14.893	14.877	14.707	14.764	14.673	14.601	14.673	14.673	14.661	14.653	14.601	14.654	14.649		
AFHX-GapdhMur Gapdh	6			AFHX-GAPDHM Mm.304088	6	12.605	12.955	12.910	13.098	13.088	12.999	12.850	12.603	12.805	13.158	13.006	13.233	13.089	13.377	13.119	12.946	12.542	12.837	12.969	13.061	12.788	12.855	12.760	13.008		
AFHX-GapdhMur Gapdh	6			AFHX-GAPDHM Mm.304088	6	14.021	14.273	14.100	14.151	14.377	14.196	14.125	14.152	14.294	14.444	14.353	14.489	14.468	14.288	14.369	14.193	14.054	14.198	14.243	14.273	14.120	13.958	14.147	14.159		
AFHX-LyxX-3 at NA	NA		NA	AFHX-LYSX-3	NA	NA	4.223	4.120	4.345	4.281	4.095	4.366	4.426	4.294	4.272	4.223	4.359	4.125	4.284	4.213	4.131	4.344	4.302	4.349	4.373	4.453	4.281	4.302	4.308	4.490	
AFHX-LyxX-5 at NA	NA		NA	AFHX-LYSX-5	NA	NA	3.928	3.977	3.977	3.942	3.923	3.923	3.970	3.899	3.968	3.943	3.902	3.890	3.941	3.985	3.946	3.989	3.946	3.982	3.952	3.982	3.952	3.982	3.994		
AFHX-LyxX-M at NA	NA		NA	AFHX-LYSX-M	NA	NA	4.699	4.413	4.619	4.562	4.487	4.666	4.541	4.575	4.426	4.493	4.501	4.623	4.585	4.406	4.430	4.480	4.532	4.524	4.523	4.521	4.564	4.535	4.514	4.579	
AFHX-MURINE E NA	NA		NA	AFHX-MURINE E	NA	NA	14.953	14.935	14.954	14.952	14.933	14.953	14.917	14.904	14.928	14.914	14.777	14.909	14.899	14.889	14.926	14.909	14.877	14.872	14.861	14.846	14.840	14.901	14.925	14.934	14.912
AFHX-MURINE b NA	NA		NA	AFHX-MURINE b	NA	NA	11.629	11.771	11.358	11.511	11.746	11.387	11.406	12.575	12.068	11.529	11.517	11.670	11.668	11.558	11.286	11.247	12.335	12.063	11.267	11.302	12.162	12.307	11.372	11.055	
AFHX-MUR b2 a NA	NA		NA	AFHX-MUR b2	NA	NA	10.134	9.810	10.027	10.116	9.960	9.998	9.929	9.953	9.958	9.830	9.740	9.838	9.688	9.750	9.876	9.905	10.011	9.953	9.804	9.720	10.046	10.123	10.106	10.037	
AFHX-PheX-3 at NA	NA		NA	AFHX-PHEX-3	NA	NA	7.371	7.280	7.357	7.290	7.223	7.377	7.444	7.223	7.188	7.229	7.325	7.215	7.227	7.243	7.										