

## **Supplemental Methods**

### ***Tumor models***

B16F10 (B16) and EL4 tumor cell lines were obtained from the NCI tumor repository and passaged in Dulbecco's Modified Eagle Medium (Invitrogen) supplemented with 10% fetal calf serum.  $1.25 \times 10^5$  or  $2.5 \times 10^5$  B16 or EL-4 cells were injected subcutaneously in 100uL PBS in flanks of mice as indicated. Tumor implantation experiments were performed in littermate mice of 6-10 weeks of age. Tumors were measured at serial time points following implantation using digital calipers and the tumor area was calculated as the product of perpendicular diameter by investigators in a blinded manner. CD8 depletion was performed using intraperitoneal injection of 250 mcg anti-CD8 $\alpha$  (clone 2.43) or IgG (clone 2A3) at indicated time points (BioXcell).

### ***Antibodies and flow cytometry***

The following fluorescent dye-conjugated antibodies against surface and intracellular antigens were used: anti-FOXP3 (FJK-16s), anti-CD4 (RM4-5), anti-IFN- $\gamma$  (Cat 554413), and anti-CD8a clone 53-6.7 (BD Biosciences). Cells were incubated with specific antibodies for 30 min on ice in the presence of 2.4G2 monoclonal antibody to block Fc $\gamma$ R binding. All samples were acquired with Canto II or Fortessa flow cytometers (Becton Dickinson) and analyzed using FlowJo (TreeStar). Intracellular staining for Foxp3 was carried out using the Foxp3 staining kit (eBioscience). To determine cytokine expression, cellular suspensions containing T cells were stimulated in media containing phorbol 12-myristate 13-acetate, ionomycin and brefeldin-A (Leukocyte activation cocktail with GolgiPlug; BD biosciences) for 4 h. After stimulation, cells were stained with an amine-reactive exclusion-based

viability dye (Invitrogen) and with antibodies against cell-surface antigens. Cells were then fixed and permeabilized followed by intracellular staining with specific anti-cytokine antibodies. Countbright beads were spiked-in for the flow cytometric quantification of absolute cell number (Invitrogen).

### ***Bone marrow chimeras and Treg cell rescue experiments***

For bone marrow reconstitution experiments, *Rag1<sup>-/-</sup>* mice were administered 1,000 Rads total-body  $\gamma$ -radiation from a  $^{137}\text{Cs}$  source before intravenous injection of BM cells from 6–10 week old donor mice.

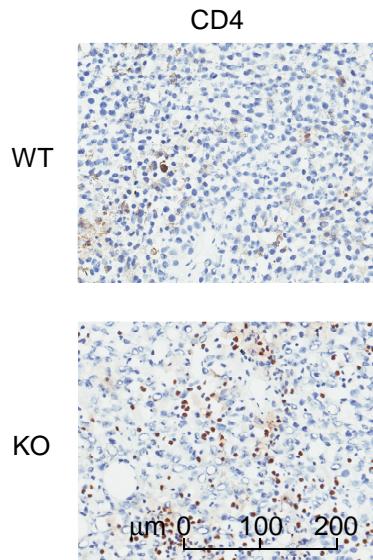
### ***Microarray analysis***

Whole-tumor microarray analysis was performed as previously described (26). Briefly, whole tumors were dissected and single cell suspensions were generated using mechanical dissociation (Miltenyi GentleMacs). Red blood cells were lysed using ACK lysing buffer (Invitrogen). Total RNA was extracted using the RNeasy Plus Mini kit (Qiagen) and subjected to DNase treatment (Ambion). Gene expression analysis was performed as previously described, using GeneChip Mouse Genome 430 2.0 Arrays (Affymetrix). Principle component analyses were performed using Partek Genomic Suite after Robust Multiarray Average normalization of microarray data. Global gene expression profiles were rank ordered by relative fold-change values and analyzed against the Reactome database (<http://www.reactome.org/>) using Gene Set Enrichment Analysis software (15).

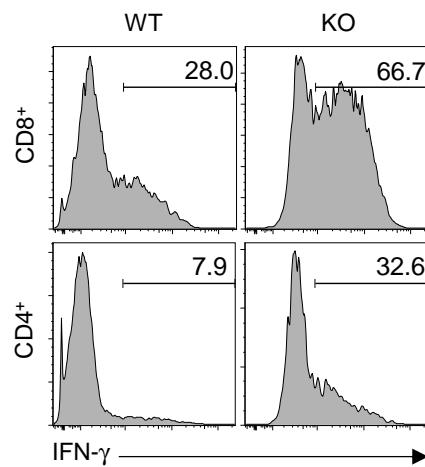
## **Supplemental References**

26. Kerkar SP, Goldszmid RS, Muranski P, Chinnasamy D, Yu Z, Reger RN, Leonardi AJ, Morgan RA, Wang E, Marincola FM, et al. IL-12 triggers a programmatic change in dysfunctional myeloid-derived cells within mouse tumors. *The Journal of clinical investigation*. 2011;121(12):4746-57.

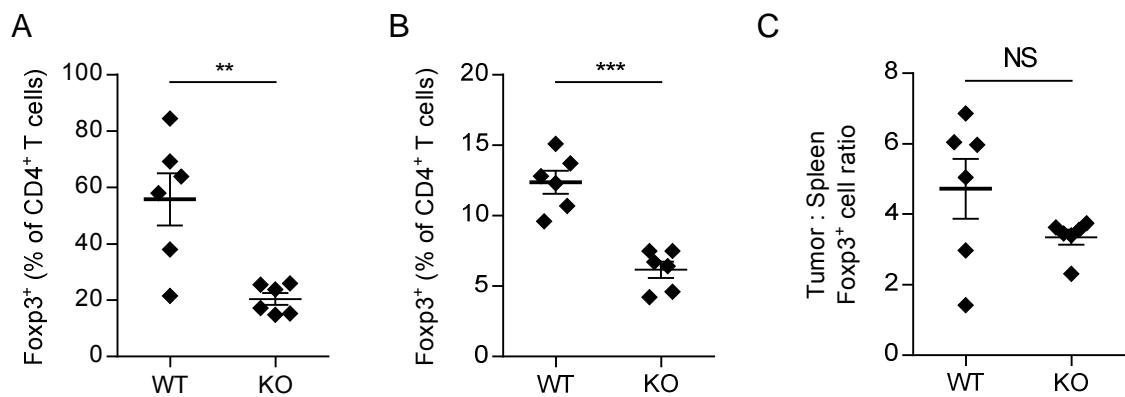
A



B

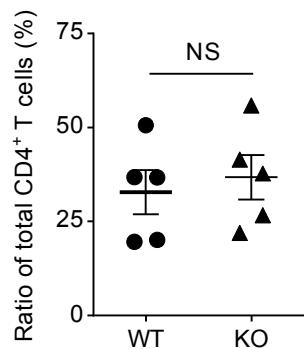


**Supplemental Figure 1. Characterization of T cell infiltrates in tumors from WT and *Bach2*-deficient mice.** **A**, Immunohistochemical analysis of CD4<sup>+</sup> cells in sections of B16 tumors from mice of indicated genotypes at day 18 following implantation. Representative images from three independent tumors per genotype are shown. **B**, IFN- $\gamma$  expression amongst intratumoral CD4<sup>+</sup> and CD8<sup>+</sup> T cells at day 18 post-implantation. Representative flow cytometry is shown. Data in **B** are representative of results from 2 independent experiments and replicate values are statistical significance are provided in **Fig. 2f**.

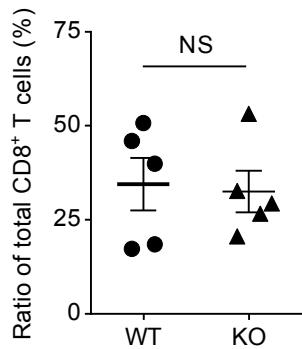


**Supplemental Figure 2. Decreased frequency of Foxp3<sup>+</sup> T<sub>reg</sub> cells within tumors from BACH2-deficient mice correspond to the generalized T<sub>reg</sub> cell deficiency in these animals.** A-B, Frequency of Foxp3<sup>+</sup> T<sub>reg</sub> cells amongst CD4<sup>+</sup> T cells within tumors (A) and spleens (B) of mice 18 days following subcutaneous implantation of 1.25x10<sup>5</sup> B16 cells as determined by flow cytometry. C, Tumor:spleen ratio of Foxp3<sup>+</sup> T<sub>reg</sub> cells in WT and KO animals. Bars and error represent mean +/- SEM. \*\*P<0.01; \*\*\*P<0.005. Data are representative of 2 independent experiments. P values were calculated using two-tailed Student *t* tests.

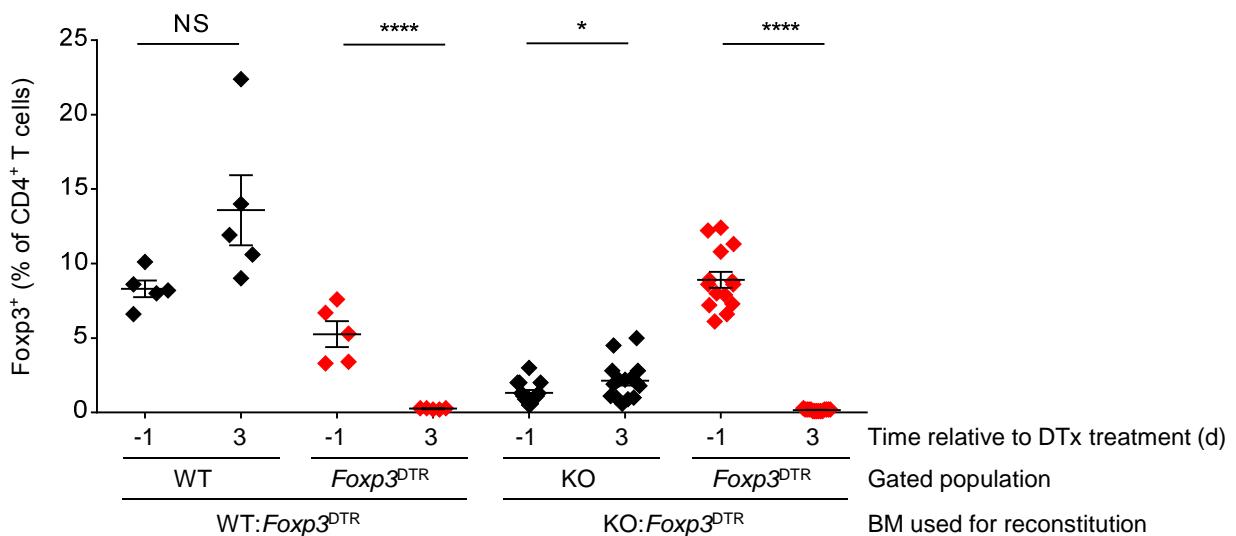
A



B



C



**Supplemental Figure 3. Relative reconstitution and levels of Foxp3<sup>+</sup> T<sub>reg</sub> cell depletion in mixed chimeric animals.** **A-B**, Frequency of WT or KO cells within the CD4<sup>+</sup> (**A**) or CD8<sup>+</sup> (**B**) T cell compartments of *Rag1*-deficient WT:Foxp3<sup>DTR</sup> or KO:Foxp3<sup>DTR</sup> mixed chimeric mice, respectively. **C**, Frequency of Foxp3<sup>+</sup> T<sub>reg</sub> cells amongst CD4<sup>+</sup> T cells gated on the indicated WT, KO or Foxp3<sup>DTR</sup> compartments found within WT:Foxp3<sup>DTR</sup> and KO:Foxp3<sup>DTR</sup> animals as indicated, prior to (day -1) or following (day 3) commencement of diphtheria toxin (DTx) administration. Bars and error represent mean +/- SEM. Data are representative of 2 independent experiments. P values were calculated using two-tailed Student *t* tests. \*P<0.05; \*\*\*\*P<0.001.

Supplemental Table 1. Global differences between transcriptional profiles of tumors from *Bach2*-deficient compared with WT mice ( $p<0.05$ ; FC>2).

ProbeSet ID	Gene Symbol	Gene Title	RefSeq	Transcript ID	p-value(KO vs. WFold-Change)(KO vs. WT)
1420344_x_at	Gzmd	granzyme D	NM_010372		1.07E-05
1420345_x_at	Gznd	granzyme D	NM_010372		1.64E-05
1422867_at	Ifrg	interferon gamma	NM_008337		2.62E-05
1420549_at	Gbp2b	guanylate binding protein 2b	NM_012026		5.32E-06
1421227_at	Gzml // Gzme	granzyme D// granzyme E	NM_010372 // NM_010373		1.03E-06
1418652_at	Cxcl9	chemokine (C-X-C motif) ligand 9	NM_008599		1.70E-06
1425990_at	Ly6i	lymphocyte antigen 6 complex, locus I	NM_020498		0.000102903
1451673_at	Cd8a	CD8 antigen, alpha chain	NM_001081110 // NM_009857		2.56E-06
1419060_at	Gzmb	granzyme B	NM_013542		7.10E-06
1422867_at	Gzmg	granzyme G	NM_010372		38.022
1420338_at	Alox15	arachidonate 15-lipoxygenase	NM_009660		0.000158372
1419042_at	Il1gp1	interferon inducible GT-Pase 1	NM_001146275 // NM_021792		5.76E-05
1450171_x_at	Gzme	granzyme E	NM_010372		36.1576
1424923_at	Serpina3g	serine (or cysteine) peptidase inhibitor, clade A, member 3G	NM_009251		5.3101
1418240_at	Gbp2	guanylate binding protein 2	NM_010280		48.3162
1418679_at	Cd8b	CD8 antigen, beta chain	NM_010370		40.1474
1422820_at	Gzmf	granzyme F	NM_010374		39.0829
1425294_at	Slamf8	SLAM family member 8	NM_029084		0.000181113
1345906_x_at	Gbp2	guanylate binding protein 2	NM_010260		29.0639
1421256_at	Gzmc	granzyme C	NM_010371		28.4363
1449235_at	Fasl	Fas ligand (TNF superfamily, member 6)	NM_001205243 // NM_010177		36.9998
1426170_a_at	Cd8b1	CD8 antigen, beta chain 1	NM_009858		36.1576
1425216_at	Ffar2	free fatty acid receptor 2	NM_001168509 // NM_001168510 // NM_001168511 // NM_001168512 // NM_146187		1.06E-05
1440708_at	Cd8a	CD8 antigen, alpha chain	NM_001081110 // NM_009857		3.51E-05
1439831_at	---	---	---		4.39E-06
1421057_at	Dnase1l3	deoxyribonuclease 1-like 3	NM_007870		22.9012
1440811_x_at	Cd8a	CD8 antigen, alpha chain	NM_001081110 // NM_009857		22.4517
1419043_a_at	Il1gp1	interferon inducible GT-Pase 1	NM_001146275 // NM_021792		21.7943
1418776_at	Gbp8	guanylate-binding protein 8	NM_029509		0.000158372
1346423_at	Themis	thymocyte selection associated	NM_178666		21.6912
1422288_at	Gzmk	granzyme K	NM_008196		21.6166
1417898_a_at	Gzma	granzyme A	NM_010370		21.2374
1422957_at	Ccr3	chemokine (C-C motif) receptor 3	NM_009914		21.1698
1422812_at	Cxcr6	chemokine (C-X-C motif) receptor 6	NM_030712		20.9104
1425832_a_at	Cxcr6	chemokine (C-X-C motif) receptor 6	NM_030712		18.8864
1425335_at	Cd8a	CD8 antigen, alpha chain	NM_001081110 // NM_009857		18.7193
1448759_at	Il2rb	interleukin 2 receptor, beta chain	NM_008368		18.2266
1422632_at	Ctsw	cathespin W	NM_009985		18.0487
1456907_at	Cxcl9	chemokine (C-X-C motif) ligand 9	NM_008599		17.9434
1417171_at	Itk	IL2 inducible T cell kinase	NM_010583		17.8949
1445895_at	---	---	---		17.4267
1422805_at	Serpnb6b	serine (or cysteine) peptidase inhibitor, clade B, member 6b	NM_011454		17.3862
1449361_at	Tbx21	T-box 21	NM_019507		16.6435
1424733_at	Pzry1	puerperic receptor P2Y, G-protein coupled, 14	NM_00098497 // NM_133200		16.5937
1436549_at	Ikfz3	IKAROS family zinc finger 3	NM_010372		5.92E-05
1436576_at	Fam126f	family with sequence similarity 26, member F	NM_175449		0.000168276
1420265_at	Eomes	eomesodermin homolog (Xenopus laevis)	NM_001164789 // NM_010136		16.2092
1419226_at	Cd96	CD96 antigen	NM_032465		15.7638
1422066_x_at	Kirb1b	killer cell lectin-like receptor subfamily B member 1B	NM_030599		15.5392
1438027_at	---	---	---		15.4985
1450753_at	Nkg7	natural killer cell group 7 sequence	NM_024253		15.3088
1447927_at	Gbp6	guanylate binding protein 6	NM_194336		14.9741
1422065_at	Kirb1b	killer cell lectin-like receptor subfamily B member 1B	NM_030599		14.4415
1421688_a_at	Ccl1	chemokine (C-C motif) ligand 1	NM_011329		14.3886
1424374_at	Gimap4	GTPase, IMAP family member 4	NM_001243199 // NM_001243200 // NM_001243201 // NM_174990 // NM_175048		14.1957
1421854_at	Fgl2	fibrinogen-like protein 2	NM_008013		14.08E-05
1424975_at	Siplec5	sialic acid binding Ig-like lectin 5	NM_001271019 // NM_145581		14.07E-05
1417679_at	Gf11	growth factor independent 1	NM_01267621 // NM_010278		14.0114
1418803_a_at	Fasl	Fas ligand (TNF superfamily, member 6)	NM_001205243 // NM_010177		13.9528
1345529_at	Gm14446	predicted gene 14446	NM_00110605 // NM_00110517		13.8574
1439843_at	Camk	calcium/calmodulin-dependent protein kinase IV	NM_009793		13.7054
1428377_at	Btbd11	BTB (POZ) domain containing 11	NM_001017525 // NM_028709		13.7024
1417314_at	C2 // Cfb	complement component 2 (within H-2S) // complement factor B	NM_001142706 // NM_008198 // NM_013484		13.6067
1425084_at	Gimap7	GTPase, IMAP family member 7	NM_146167		13.5677
1419603_at	Zbp1	Z-DNA binding protein 1	NM_001139519 // NM_021394		13.5119
1443703_at	---	---	---		13.4645
1448110_at	Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short	NM_001163489 // NM_001163490 // NM_001163491 // NM_013658		13.3287
1450495_a_at	Kirk1	killer cell lectin-like receptor subfamily K, member 1	NM_001083322 // NM_033078		13.2854
1445399_at	Kirb1b	killer cell lectin-like receptor subfamily B member 1B	NM_030599		13.284
1449835_at	Pdcdf1	programmed cell death 1	NM_008798		13.0692
1424375_s_at	Gimap4	GTPase, IMAP family member 4	NM_001243199 // NM_001243200 // NM_001243201 // NM_174990 // NM_175048		13.0067
1417500_a_at	Tgm2	transglutaminase 2, C polypeptide	NM_009373		12.9966
1419033_at	2610018G03Rik	RIKEN cDNA 2610018G03 gene	NM_137229		12.9451
1425050_at	Kirc1	killer cell lectin-like receptor subfamily C, member 1	NM_001136068 // NM_010652		12.9423
1438676_at	Gbp5	guanylate binding protein 6	NM_194336		12.8785
1437249_at	Skap1	src family associated phosphoprotein 1	NM_001033186 // NM_001177898 // NM_001177899		12.7574
1435710_at	Al661384	expressed sequence Al661384	---		12.7461
1435172_at	Eomes	eomesodermin homolog (Xenopus laevis)	NM_001164789 // NM_010136		12.7253
1443937_at	---	---	---		12.6791
1419534_at	Olr1	oxidized low density lipoprotein (lectin-like) receptor 1	NM_138648		12.404
1437025_at	Cd28	CD28 antigen	NM_007642		12.2929
1429947_a_at	Zbp1	Z-DNA binding protein 1	NM_001139519 // NM_021394		12.2477
1446164_x_at	Cd8a	CD8 antigen, alpha chain	NM_001081110 // NM_009857		12.2324
1421571_a_at	Ly6c1 // Ly6c2	lymphocyte antigen 6 complex, locus C1 // lymphocyte antigen 6 complex, locus C2	NM_001099217 // NM_001252055 // NM_001252056 // NM_001252057 // NM_00125205		12.1909
1449009_at	Tgtp1 // Tgtp2	cell specific GTPase 1 // cell specific GTPase 2	NM_00145164 // NM_015179		12.1831
1452067_at	Naaa	N-acetylneuraminate acyl amidase	NM_001163687 // NM_025972		12.1272
1457707_at	Mcp2	multiple C2 domains, transmembrane 2	NM_001242703		12.0951
1422065_at	Kirb1b	killer cell lectin-like receptor subfamily B member 1B	NM_030599		11.9551
1419758_at	Aldcb1a	ATP-binding cassette, subfamily B (MDR/TAP), member 1A	NM_011076		11.8595
1450280_at	Ptdcd1g2	programmed cell death 1 ligand 2	NM_021396		11.5077
1416913_at	Gbps	guanylate binding protein 3	NM_0167324		11.5469
1424526_x_at	Kir3a // Kir9a // Kir9	killer cell lectin-like receptor, subfamily A, member 3 // killer cell lectin-like receptor, subfamily A, member 9 // killer cell lectin-like receptor, subfamily A, member 9	NM_010651 // XM_003688733 // XM_003688734 // XM_003688735 // XM_003688736 // XM_003688737		11.5411
1410481_at	Sel	selestat, lymphocyte	NM_001164059 // NM_011346		11.4789
1425417_x_at	Kir14 // Kir21 // Kir21	killer cell lectin-like receptor subfamily A, member 14 // killer cell lectin-like receptor subfamily A, member 21 // killer cell lectin-like receptor subfamily B (MDR/TAP), member 1A	NM_001039117 // NM_001101620 // NM_00125149 // NM_008461 // NM_010650 // NM_010651		11.4181
1417959_at	Aldcb1a	ATP-binding cassette, subfamily B (MDR/TAP), member 1A	NM_011076		11.2834
1426171_x_at	Kira7	killer cell lectin-like receptor, subfamily A, member 7	NM_00110323 // NM_014194		11.2515
1439719_at	Themis	thymocyte selection associated	NM_178666		11.2396
1458642_at	Kire1	killer cell lectin-like receptor family E member 1	NM_153590		11.239
1419202_at	Cet7	cystatin F (leukocystatin)	NM_009977		11.1453
1426396_at	Cd427	CD427 antigen	NM_001113391 // NM_001113392 // NM_001113393 // NM_001113394 // NM_031162 // NM_031163		11.1248
1452013_at	Atp10a	ATPase, class V, type 10A	NM_09728		11.082
1429333_at	1600029D21Rik	RIKEN cDNA 1600029D21 gene	NM_026339		11.0104
1448724_at	Cish	cytokine inducible SH2-containing protein	NM_009895		10.9094
1427381_at	Irg1	immunoresponsive gene 1	NM_008392		10.9413
1459838_s_at	Btbd11	BTB (POZ) domain containing 11	NM_001017525 // NM_028709		10.8705
1419178_at	Cd3g	CD3 antigen, gamma polypeptide	NM_009850		10.6452
1422259_at	Ccr5	chemokine (C-C motif) receptor 5	NM_009917		10.6309
1416296_at	Il2rg	interleukin 2 receptor, gamma chain	NM_013563		10.628
1450488_at	Cd24	chemokine (C-C motif) ligand 24	NM_019577		10.5748
1430005_a_at	Batf2	basic leucine zipper transcription factor, ATF-like 2	NM_028967		10.5691
1427628_at	Trbv13-2	T cell receptor beta, variable 13-2	---		10.4736
1426182_at	Kirc1	killer cell lectin-like receptor subfamily C, member 1	NM_001136068 // NM_010652		10.4177
1450639_at	Gm14085 // Sloc1	predicted gene 14085 // solute carrier family 28 (sodium-coupled nucleoside transporter)	NM_001086518 // NM_172980		10.3843
1435332_at	Htr7	5-hydroxytryptamine (serotonin) receptor 7	NM_008393		10.3587
1420425_at	Prdm1	PR domain containing 1, with ZNF domain	NM_007548		10.3493
1424339_at	Oas1l	2'-oligoadenylyl synthetase-like 1	NM_145209		10.3282
1459913_at	Tnfsf10	tumor necrosis factor (ligand) superfamily, member 10	NM_009425		10.1973
1429909_at	Prrs1	proline rich 5 like	NM_001083810 // NM_00110849 // NM_175181		10.1871
1447914_x_at	Prrs1	proline rich 5 like	NM_001083810 // NM_00110849 // NM_175181		10.1826
1441816_at	Cd5	chemokine (C-C motif) ligand 5	NM_013653		10.1423
1417546_at	Il2rb	interleukin 2 receptor, beta chain	NM_008368		10.1255
1427656_at	Torb-J	T cell receptor beta, joining region	---		10.0921
1448713_at	Stat4	signal transducer and activator of transcription 4	NM_011487		10.0571
1418907_at	F5	coagulation factor V	NM_007976		10.0533
1456765_at	Nhs2	NHS-like 2	NM_001163610		10.0418
1430807_at	H2-Q5	histocompatibility 2, Q region locus 5	NR_051981		10.0113
1423135_at	Thy1	thymus cell antigen 1, theta	NM_009382		9.99677
1449175_at	Gpr65	G-protein coupled receptor 65	NM_008152		9.98524
1418797_at	Ms4a8a	membrane-spanning 4-domains, subfamily A, member 8A	NM_022430		9.92753
1439808_at	Ipcce1	interaction protein for cytohesin exchange factors 1	NM_001033391 // NM_001170800 // NM_001170801 // NM_001170802		9.92643
1448589_at	---	---	---		9.87888
1426168_a_at	Trav9d-3	T cell receptor alpha variable 9D-3	---		9.8587
1417263_at	Ptg2	prostaglandin-endoperoxide synthase 2	NM_011198		9.75967

1426942_at	Aim1	absent in melanoma 1	NM_172393	0.000908103	9.74235
1456545_at	Il1brap	interleukin 18 receptor accessory protein	NM_010553	0.00126804	9.72237
1423954_at	C3 // LOC10004	complement component 3 / complement C3-like	NM_0007878 // NM_003086792	5.1E-05	9.71937
1455080_at	Ppp1f16b	protein phosphatase 1, regulatory (inhibitor) subunit 16B	NM_001199662 // NM_153089	0.00116909	9.69923
1426424_s_at	Kirb1b	killer cell lectin-like receptor subfamily B member 1B	NM_0050951	8.1E-05	9.51895
1421141_at	Ptpbp2	protein tyrosine-phosphatase-interacting protein 2	NM_013831 // NM_177831	1.93E-05	9.5098
1471741_at	Igfbp	interferon gamma induced GTPase	NM_018738	5.73E-06	9.49038
1450242_at	Il18bp	interleukin 18 binding protein	NM_010531	8.25E-05	9.47265
1448436_at	Irif1	interferon regulatory factor 1	NM_001159393 // NM_001159396 // NM_008390	2.06E-06	9.43157
1451862_at	Prf1	perforin 1 (pore forming protein)	NM_011073	7.24E-05	9.28568
1458459_at	E230029C05Rik	RIKEN cDNA E230029C05 gene	NR_015614	3.21E-05	9.26079
1459872_at	H2-Dma	histocompatibility 2, class II, locus DMA	NM_010386	8.48E-05	9.22686
1455040_s_at	Nhs2	NHS-like 2	NM_001163610	0.000234512	9.22114
1447851_x_at	Atp10a	ATPase, class V, type 10A	NM_0097228	0.000490668	9.21781
1422601_at	Serpnb9	serine (or cysteine) peptidase inhibitor, clade B, member 9	NM_009256	1.35E-05	9.18045
1458458_at	Sifn5	schlafen 5	NM_183201	7.42E-05	9.07223
1422188_s_at	Tcrg-C1 // Tcrg-T	T-cell receptor gamma, constant 1 // T-cell receptor gamma, constant 2	--	0.000418406	9.05737
1444246_at	Cass4	Cas scaffolding protein family member 4	NM_001033538 // NM_001080820 // NM_001276422 // NM_001276423	0.000372101	8.89584
1419412_at	Xcl1	chemokine (C motif) ligand 1	NM_008510	6.59E-05	8.79061
1439379_x_at	Prm1	prolamine 1	NM_013637	5.16E-05	8.78425
1440275_at	Runx3	runt related transcription factor 3	NM_019732	4.22E-05	8.77665
1425470_at	--	--	--	8.77663	
1449864_at	Il4	interleukin 4	NM_021283 // NR_027491	0.00811958	8.77732
1451568_at	Parp14	poly (ADP-ribose) polymerase family, member 14	NM_001039530	5.65E-05	8.72218
1417597_at	Cd28	CD28 antigen	NM_007642	0.000239636	8.71695
1460268_at	--	--	--	5.97E-05	8.65993
1425570_at	Slamf1	signaling lymphocytic activation molecule family member 1	NM_013730	0.000634489	8.59648
1451342_at	Spon1	spondin 1, (f-spondin) extracellular matrix protein	NM_145584	0.000148652	8.59023
1439790_at	Serpnb9	serine (or cysteine) peptidase inhibitor, clade B, member 9	NM_009256	3.83E-05	8.57323
1417793_at	Irgm2	immunity-related GTPase family member 2	NM_019440	8.11E-05	8.53544
1448731_at	Il10ra	interleukin 10 receptor, alpha	NM_008348	6.15E-06	8.50394
1429319_at	Rhoh	ras homolog gene family, member H	NM_001081105	3.45E-05	8.49875
1420066_s_at	Cd160	CD160 antigen	NM_001163496 // NM_001163497 // NM_018767	1.06E-06	8.48564
1446541_at	Wdr95	WD40 repeat domain 95	NM_029440	8.57E-05	8.45908
1421628_at	Il18r1	interleukin 18 receptor 1	NM_001161842 // NM_001161843 // NM_008365	5.19E-05	8.45269
143428_x_at	Tgm2	transglutaminase 2, C polypeptide	NM_009373	0.000202299	8.45099
1438784_at	Bd11b	B cell leukemia/lymphoma 11B	NM_001079883 // NM_021399	0.000682183	8.42053
1416007_at	Satb1	special AT-rich sequence binding protein 1	NM_001163630 // NM_001163631 // NM_001163632 // NM_009122	0.00102592	8.34389
1460251_at	Fas	Fas (TNF receptor superfamily member 6)	NM_001146708 // NM_007987	0.0005503	8.3368
1449127_at	Selpg	selectin, platelet (p-selectin) ligand	NM_09151	5.44E-05	8.33443
1423467_at	Ms4ab4	membrane-spanning 4-domains, subfamily A, member 4B	NM_021718	3.18E-05	8.3274
1420464_s_at	Gm10693 // Grm	predicted pseudogene 10693 // predicted gene 14548 // leukocyte immunoglobulin-like receptor subfamily B member 1	NM_001166672 // NM_008848 // NM_011087 // NM_011088 // NM_011089 // NM_011094	8.89E-05	8.32108
1424953_at	BC021614	cDNA sequence BC021614	NM_144869	0.000228626	8.31146
1425885_x_at	LOC665506	T-cell receptor beta-2 chain region-like	XMT7361	4.51E-05	8.30302
1429524_at	Myoif1	myosin IF	NM_053214	2.88E-05	8.28697
1451545_at	Il1r1	interleukin 1 receptor-like 1	NM_001256802 // NM_010743	0.000506684	8.28569
1436555_at	Sict2a	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	NM_001049470 // NM_007514	0.00117415	8.20227
1422020_s_at	Itm1	interleukin 1 receptor antagonist	NM_001039701 // NM_001159562 // NM_031167	0.000535336	8.15892
1437895_at	Spoeta13	spontaneous oogenesis associated 13	NM_010332272	0.00126367	8.24902
1426772_x_at	Tob13	T-cell receptor beta joining region	--	1.39E-05	8.24161
1422079_at	Ptkch	protein kinase C eta	NM_008856	0.000150407	8.24072
1416016_at	Top1	transporter 1, ATP-binding cassette, sub family B (MDR/TAP)	NM_001161730 // NM_013683	1.77E-06	8.21985
1434873_at	Acap1	ArgipA with coiled-coil, ankyrin repeat and PH domains 1	NM_153788	0.00019591	8.20735
1428113_x_at	Trav9d-3	T-cell receptor alpha variable 9d-3	--	0.000320918	8.20171
1427007_at	Sash3	SAM and SH3 domain containing 3	NM_028773	1.99E-05	8.18608
1426004_a_at	Tgm2	transglutaminase 2, C polypeptide	NM_009373	4.17E-05	8.16867
1444203_at	--	--	--	0.00024535	8.15317
1437054_x_at	Prm1	prolamine 1	NM_013637	9.38E-05	8.15457
1425226_x_at	LOC665506	T-cell receptor beta-2 chain region-like	XMT7361	2.22E-05	8.13168
1455405_at	Pstip2	proline-serine-threonine phosphatase-interacting protein 2	NM_013831 // NM_177831	3.12E-05	8.09241
1436364_at	Pde3b	phosphodiesterase 3B, cGMP-inhibited	NM_011055	0.00120415	8.05908
1449393_at	Sh2d1a	SH2 domain protein 1A	NM_011364	0.000159368	8.04992
1422978_at	Cybb	cytochrome b-245, beta polypeptide	NM_027807	0.000359097	8.02835
1452205_x_at	LOC665506 // T	T-cell receptor beta-2 chain region-like // T-cell receptor beta, joining region //	XMT7361	9.23E-06	8.0158
1422527_at	H2-Dma	histocompatibility 2, class II, locus DMA	NM_010386	7.81E-05	7.99113
1435660_at	Itgal	integrin alpha L	NM_001253872 // NM_001253873 // NM_001253874 // NM_008400	0.000111048	7.95246
1447424_x_at	D16Ert472ze	DNA segment, Chr 16, ERATO Doi 472, expressed	NM_001252438 // NM_001252439 // NM_001252440 // NM_025967	0.000105174	7.94387
1418612_at	Sifn1	schlafen 1	NM_011407	0.000400667	7.91385
1416869_x_at	Lime1 // Zgapd	Lck interacting transmembrane adaptor 1 // zinc finger, CCCH-type with G patch domain	NM_001048148 // NM_023684 // NM_144894	2.34E-05	7.88924
1426159_x_at	Tcrb-J	T cell receptor beta, joining region	--	1.65E-05	7.86291
1425469_at	--	--	--	0.000131934	7.8495
1439141_at	Gpr18	G protein-coupled receptor 18	NM_182806	0.000116379	7.83325
1418655_at	B4galnt1	beta-1,4-N-acetyl-galactosaminyl transferase 1	NM_001244617 // NM_001244618 // NM_008080 // NM_027739 // NR_045166	7.28E-05	7.80282
1436598_at	Icos	inducible T cell co-stimulator	NM_017480	0.00108612	7.76791
1422808_s_at	Dock2	dedicator of cyto-kinetics 2	NM_033374	2.95E-06	7.75512
1450293_at	Kirb1a	killer cell lectin-like receptor subfamily B member 1A	NM_001159902 // NM_010737	9.69E-05	7.74752
1435330_at	Pyh1n1	pyrin and HIN domain family, member 1	NM_175026	7.33E-05	7.71835
1436125_at	D16Ert472ze	DNA segment, Chr 16, ERATO Doi 472, expressed	NM_001252438 // NM_001252439 // NM_001252440 // NM_025967	0.000115683	7.717
1435331_at	Pyh1n1	pyrin and HIN domain family, member 1	NM_175026	7.19E-06	7.70258
1444405_at	Pydc4	pyrin domain containing 4	NM_001033384 // NM_001177349 // NM_001177350	8.99E-05	7.69648
1421303_at	Kira2	killer cell lectin-like receptor, subfamily A, member 2	NM_001170851 // NM_008462	7.19E-06	7.69578
1425785_at	Tkx	TKX tyrosine kinase	NM_00122754 // NM_013698	4.92E-05	7.68039
1416714_at	Irif8	interferon regulatory factor 8	NM_008320	4.73E-05	7.65621
1434928_at	Cytfp	cytaphosin 1 interacting protein	NM_139200	0.000398397	7.65346
1438814_at	Atp84	ATPase, class I, type BB, member 4	NM_001080944	2.01E-05	7.63525
1449455_at	Hck	hemopoietic cell kinase	NM_001172117 // NM_010407	0.00022954	7.63185
1453195_s_at	Oasl2	2'-5' oligoadenylate synthase-like 2	NM_011854	4.80E-05	7.6199
1457254_x_at	Tmem229b	transmembrane protein 229B	NM_001170401 // NM_178745	0.00078563	7.61548
1419476_at	Adamdec1	ADAM-decayin 1	NM_02175	0.0004047122	7.60168
1446938_at	Head1b1	hydroxysteroid 11-beta dehydrogenase 1	NM_001147471 // NM_008288	0.00052624	7.56009
1449976_at	Gpr5	G protein-coupled receptor 35	NM_001104529 // NM_01217166 // NM_022320	0.000735453	7.55957
1423359_at	Rnf125	ring finger protein 125	NM_026301	0.000473854	7.54978
1416108_at	Tox	thymocyte selection-associated high mobility group box	NM_013101	7.73E-05	7.53339
1451655_at	Sifn8	schlafen 8	NM_001167743 // NM_181545	5.37E-05	7.52657
1428118_at	Satb1	special AT-rich sequence binding protein 1	NM_001163630 // NM_001163631 // NM_001163632 // NM_009122	0.000109444	7.51188
1428114_at	Lrc08c	leucine rich repeat containing 8 family, member C	NM_133897	5.54E-05	7.51125
1420659_at	Slamf6	SLAM family member 6	NM_030710	3.23E-05	7.47528
1434372_at	AW112010	expressed sequence AW112010	NM_001177351 // NR_102366	0.000225768	7.47068
1425484_at	Thox	thymocyte selection-associated high mobility group box	NM_14571	3.39E-05	7.45602
1438181_s_at	Pik36	phosphoinositide-3-kinase regulatory subunit 6	NM_001044435 // NM_001081566	5.52E-05	7.45151
1434438_at	Samb1	SAM domain and HD domain 1	NM_001193520 // NM_018851	8.37E-05	7.44533
1417588_at	Gain3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase	NM_015736	3.64E-05	7.42818
1452405_x_at	Trav9d-3	T-cell receptor alpha variable 9d-3	--	0.000219233	7.40736
1449105_at	Sh2d2a	SH2 domain protein 2A	NM_0010225571 // NM_021309	4.40E-05	7.35087
1421931_at	Icos	inducible T cell co-stimulator	NM_017480	0.000477798	7.35343
1422873_at	Prtg2	proteoglycan 2, bone marrow	NM_008920	0.000348709	7.32044
1425393_s_at	Lck	lymphocyte protein tyrosine kinase	NM_001162432 // NM_001162433 // NM_010693	5.49E-06	7.3077
1456980_at	Rab44	RAB44, member RAS oncogene family	NM_001002786	9.67E-05	7.30641
1421188_at	Ccr2	chemokine (C-C motif) receptor 2	NM_009915	0.000338365	7.29724
1435840_x_at	BC147527	cDNA sequence BC147527	NM_0010237925	0.000391216	7.23505
1457120_at	Itk	IL2 inducible T cell kinase	NM_010583	0.000272095	7.19276
1453281_at	Pik3cd	phosphatidylinositol 3-kinase catalytic delta polypeptide	NM_001029837 // NM_001164049 // NM_001164050 // NM_001164051 // NM_001164052	0.000472995	7.15035
1459742_at	--	--	--	5.78E-07	7.07113
1425471_x_at	--	--	--	3.18E-05	7.14622
1437190_at	Styk1	serine/threonine/tyrosine kinase 1	NM_172891	0.00158907	7.14154
1417292_at	Ifi47	interferon gamma inducible protein 47	NM_001271676 // NM_001271677 // NM_008330	3.37E-05	7.12014
1427765_at	Tcrb-J	T cell receptor beta, joining region	--	0.00057487	7.09251
1419861_at	Casp12	caspase 12	NM_009808	5.78E-07	7.07113
1422089_at	Ncr1	natural cytotoxicity triggering receptor 1	NM_010746	0.000421629	7.02437
1442022_at	Themis	thymocyte selection associated	NM_176666	7.88E-05	7.02436
1421211_at	Cita	class II transactivator	NM_001243760 // NM_001243761 // NM_007575	7.19E-05	6.99351
1433826_at	Tsyp13	TSYPI-like 3	NM_198617	0.000753648	6.97798
1420077_at	E230029C05Rik	RIKEN cDNA E230029C05 gene	NM_015614	0.000115405	6.96892
1439680_at	Tnfsf10	tumor necrosis factor (ligand) superfamily, member 10	NM_009425	0.000114207	6.96666
1452389_at	Cd27	CD27 antigen	NM_001033126 // NM_001042564	0.000118562	6.94377
1426737_s_at	Gramd3	GRAM domain containing 3	NM_026240	2.89E-05	6.94075
1454713_s_at	Hdc	histidine decarboxylase	NM_008230	0.000930201	6.93669
14					

1450939_at	Entpd1	ectonucleoside triphosphate diphosphohydrolase 1	NM_009848	0.000347774	6.86567
1449508_at	Il27ra	interleukin 27 receptor, alpha	NM_016971	0.00130608	6.86338
1416741_at	Igfbp3	integrin beta 7	NM_0169526	6.30E-05	6.85453
1425562_at	Upp1	uridine phosphorylase 1	NM_001159401 /// NM_001159402 /// NM_009477	7.78E-05	6.85098
1416941_at	Hcls1	hematopoietic cell specific Lyn substrate 1	NM_008225	0.00098443	6.82475
1421655_at	Fgl2	fibronogen-like protein 2	NM_008013	2.04E-05	6.82069
1450484_e_at	Cmpk2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	NM_020557	0.0000207852	6.81844
1450362_at	—	—	—	6.66E-05	6.81088
1443264_at	Msp42	membrane-spanning 4-domains, subfamily A, member 2	NM_001276328 /// NM_001276329 /// NM_001276330 /// NM_013516	0.00200785	6.80283
1436778_at	Cybb	cysteine-rich, beta 245, beta polypeptide	NM_007807	0.000108233	6.78676
1425374_at	Oas3	2'-5' oligoadenylate synthetase 3	NM_145226	0.00915676	6.76862
1437085_at	D63039A03Rik	RIKEN cDNA D63039A03 gene	NM_178726	0.000571351	6.76853
1421129_a_at	Atp2a3	ATPase, Ca++ transporting, ubiquitous	NM_001163336 /// NM_001163337 /// NM_016745	3.89E-05	6.76826
1425156_at	Gbp7	guanylate binding protein 7	NM_001083312 /// NM_145545	2.08E-05	6.72542
1406051_at	Lat	linker for activation of T cells	NM_010689	1.15E-05	6.71198
1438934_x_at	Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short	NM_001163489 /// NM_001163490 /// NM_001163491 /// NM_013658	4.33E-05	6.6999
1437973_at	5830453J16Rik	RIKEN cDNA 5830453J16 gene	—	2.58E-05	6.69594
1438868_at	Phf11d	PHF finger protein 11D	NM_001161790 /// NM_001161791 /// NM_019453	1.37E-05	6.69004
1460283_at	Mefv	Mediterranean fever	NM_001163630 /// NM_001163631 /// NM_001163632 /// NM_009122	0.000463825	6.68482
1420697_at	Slc15a3	solute carrier family 15, member 3	NM_023044	0.0006622313	6.67028
1430148_at	Rab19	RAB19, member RAS oncogene family	NM_011226	6.65E-06	6.666
1452087_at	Eps11	epithelial stromal interaction 1 (breast)	NM_029495 /// NM_178825	2.50E-05	6.66169
1439034_at	Span	slanoporphin	NM_001038710 /// NM_009259	0.00496763	6.65323
1428479_at	Nfats1	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1	NM_001164109 /// NM_001164110 /// NM_001164111 /// NM_016791 /// NM_016792	0.00032731	6.64373
1424250_a_at	Anhge3	Rho guanine nucleotide exchange factor (GEF) 3	NM_027871	1.33E-05	6.63107
1453472_a_at	Slamf7	SLAM family member 7	NM_144539	0.000136711	6.62891
1454850_at	Tbc1d10c	TBC1 domain family, member 10c	NM_178650	9.74E-06	6.61735
1456064_at	Al504432	expressed sequence Al504432	NM_173787 /// NR_033498	1.77E-05	6.60746
1460156_at	Aoah	acyloxyacyl hydrolase	NM_012054	0.000735502	6.6023
1456288_at	Sirn5	schlafen 5	NM_183201	0.00180862	6.59507
1417620_at	Rac2	RAS-related C3 botulinum substrate 2	NM_009008	0.00024313	6.55219
1418770_at	Cd2	CD2 antigen	NM_013486	0.000128517	6.54524
1425367_at	Itgal	integrin alpha L	NM_001253872 /// NM_001253873 /// NM_001253874 /// NM_008400	9.47E-05	6.48613
1450476_at	Cnr2	cannabinoid receptor 2 (macrophage)	NM_009924	0.000924095	6.47757
1427736_a_at	Cor12	chemokine (C-C motif) receptor-like 2	NM_017466	0.00150758	6.46974
1437956_at	Pik3r6	phosphoinositide-3-kinase, regulatory subunit 6	NM_001004335 /// NM_001081566	3.92E-06	6.45939
1425962_at	Kirbf1	killer cell lectin-like receptor subfamily B member 1F	NM_150994 /// NR_024262 /// NR_024263	0.00351888	6.43853
1424711_at	Tmem2	transmembrane protein 2	NM_001033759 /// NM_031997	0.00268751	6.42871
1418166_at	Il12rb1	interleukin 12 receptor, beta 1	NM_008353	2.06E-05	6.42371
1451796_s_at	Hdc	histidine decarboxylase	NM_008230	0.000208004	6.42025
1434344_at	C78513	EST C78513	—	0.00607404	6.40983
1422046_at	Itgam	integrin alpha M	NM_01082960 /// NM_008401	0.000133378	6.40768
1451567_a_at	Gm16340 /// It20	predicted gene 16340 // interferon activated gene 203 // uncharacterized LOC100883008	NM_001045481 /// NM_008328 // XM_03084464 // XM_003689170 // XM_003946458	1.35E-05	6.38744
1426127_x_at	Kira18	killer cell lectin-like receptor, subfamily A, member 18	NM_051315	0.00036944	6.38211
1448500_a_at	Limet1 // Zgpat	Lck interacting transmembrane adaptor 1 // zinc finger, CCCH-type with G patch domain	NM_001048148 /// NM_023684 // NM_144894	1.13E-05	6.3821
1439744_at	C053	CD53 antigen	NM_007651	0.001366	6.37881
1433036_at	CT30049O14Rik	CT30049O14 gene	NM_0010366	0.00026265	6.37001
1434430_s_at	Adora2b	adenosine A2B receptor	NM_007413	0.000321941	6.36949
1436134_at	Sor2	sodium channel, voltage-gated, type II, beta	NM_0010414761	0.00384162	6.35374
1422848_at	Sor22	solute carrier family 7 (cysteine amino acid transporter, y+ system), member 2	NM_001044740 /// NM_007514	0.00530567	6.35564
1423828_at	C034	C03 antigen, delta polypeptide	NM_013487	0.000142934	6.35453
1452408_at	Gpr31b	G protein-coupled receptor 31, D17Leh6b6 region	NM_001013832	0.00157476	6.34267
1427253_at	Trafap8	tumor necrosis factor, alpha-induced protein 8	NM_001177759 /// NM_001177760 // NM_134131	0.002422345	6.33848
1449184_at	Polyrp1	peptidoglycan recognition protein 1	NM_009402	7.22E-05	6.33265
1449269_at	F5	coagulation factor V	NM_007976	0.0009766818	6.31987
1438767_at	Osm	oncostatin M	NM_001013365	0.0009385325	6.31886
1418825_at	Iqrm1	immunity-related GTPase family M member 1	NM_008326	1.14E-05	6.31069
1440408_at	—	—	—	0.000657673	6.30165
1429897_a_at	D16Frdr472e	DNA segment, Chr 16, ERATO Dr472 expressed	NM_001254338 /// NM_00125439 // NM_00125440 // NM_025967	0.000249151	6.30062
1433947_at	Rab37	RAB37, member of RAS oncogene family	NM_001163753 // NM_021411	0.000342462	6.29347
1459870_x_at	—	—	—	6.84E-06	6.29284
1429831_at	Pik3ap1	phosphoinositide-3-kinase adaptor protein 1	NM_031376	6.51E-05	6.29224
1424011_at	Aqp9	aquaporin 9	NM_01271843 // NM_022026 // NR_073483	0.005227282	6.29015
1418175_at	Vdr	vitamin D receptor	NM_009504	5.72E-05	6.2707
1434929_at	BC035044	cDNA sequence BC035044	NM_001254946 // NM_001254947	0.000217379	6.26366
1450033_at	Stat1	signal transducer and activator of transcription 1	NM_001205313 // NM_001205314 // NM_009283	0.000153469	6.25792
1421911_at	Stat2	signal transducer and activator of transcription 2	NM_019963	0.000131512	6.25004
1460005_at	Ier5	immediate early response 5	NM_010500	6.19E-05	6.23394
1422962_a_at	Psmb8	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase)	NM_010724	1.54E-05	6.23362
14448452_at	Irif8	interferon regulatory factor 8	NM_008320	0.000408547	6.22808
1454169_a_at	Eps11	epithelial stromal interaction 1 (breast)	NM_029495 // NM_178825	3.00E-05	6.21888
1451006_at	Xdh	xanthine dehydrogenase	NM_0117223	0.000115066	6.20666
1442804_at	Fgr	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog	NM_010208	0.000583442	6.20105
1437121_at	Denn1c	DENN/MADD domain containing 1C	NM_153551	1.50E-05	6.19458
1416592_at	Girx	glutaredoxin	NM_053108	6.13E-06	6.18793
1437885_at	Kih6	kih-like 6	NM_183390	0.000960417	6.18709
1448775_at	Gm16340 // It20	predicted gene 16340 // interferon activated gene 203 // uncharacterized LOC100883008	NM_001045481 // NM_008328 // XM_03084464 // XM_003689170 // XM_003946458	0.00034431	6.18534
1449297_at	Casp12	caspase 12	NM_009808	5.04E-05	6.17417
1427184_at	Torb-J	T cell receptor beta, joining region	—	9.36E-06	6.1725
1444233_at	Gpr132	G protein-coupled receptor 132	NM_019925	3.94E-06	6.16763
1455423_at	Khdc1a	KH domain containing 1A	NM_183322	0.000222651	6.16141
142325_s_at	Akna	AT-hook transcription factor	NM_001045514	0.000111324	6.15384
1442338_at	—	—	—	0.000784812	6.1396
1419119_at	Hcrst	hematopoietic cell signal transducer	NM_011827	5.09E-05	6.13561
1427609_a_at	Tcr-V1	T cell receptor gamma, variable 1	—	0.00294803	6.12997
1418642_at	Lcp2	lymphocyte cytosolic protein 2	NM_010896	0.00172934	6.12988
1453813_at	Cd200r3	CD200 receptor 3	NM_001128132 // NM_001128133 // NM_027578 // NM_029018	0.00567818	6.11935
1429525_s_at	Myo1f	myosin IF	NM_051414	9.06E-05	6.11554
1429566_at	B11tb	B cell leukemia/lymphoma 11B	NM_01019883 // NM_021399	0.000705071	6.10702
1422618_at	Nedd9	neuronal precursor cell expressed, developmentally down-regulated gene 9	NM_001111324 // NM_017464	0.000549349	6.09924
1436735_at	C069	C069 antigen	NM_001033122	0.000773207	6.09237
1436736_at	Hmgb1	high-mobility group protein 1	NM_028913	0.0007303	6.09031
1455161_at	Al504432	expressed sequence Al504432	NM_173787 // NR_033498	3.02E-05	6.07187
1458148_at	Nlrc3	NLR family, CARD domain containing 3	NM_001081280 // NM_175547	0.000399561	6.07135
1434295_at	Resgr1	RAS guanyl releasing protein 1	NM_011246	0.000300527	6.05428
1431008_at	H2_Q6 // H2_Q8	histocompatibility 2, Q region locus 6 // histocompatibility 2, Q region locus 8 // h	NM_023124 // NM_207648 // NM_003085179 // NM_003688944 // XM_003946319	8.09E-05	6.04959
1454632_at	Tmem29b	transmembrane protein 29B	NM_001170401 // NM_178745	0.00125826	6.04493
1452554_s_at	Gm1629	predicted gene 1629	NM_028639	0.000700755	6.03322
1421930_at	Icos	inducible T cell co-stimulator	NM_017480	0.000660594	6.03207
1425086_a_at	Slamf6	SLAM family member 6	NM_030710	2.76E-05	6.02672
1420653_at	Tgbf1	transforming growth factor, beta 1	NM_011577	5.49E-05	6.02258
1425663_at	Il1fm	interleukin 1 receptor antagonist	NM_01039701 // NM_001159562 // NM_031167	0.000511452	6.01333
1447788_s_at	Tsyp13	TSYPI-like 3	NM_198617	0.000887983	6.01083
1423319_at	Hhex	hematopoietically expressed homeobox	NM_008245	0.00103445	6.01055
1420994_at	B3gp15	UDP-GlcNAc:betaGal beta 1-3-N-acetylglucosaminyltransferase 5	NM_001159407 // NM_001159408 // NM_054052	0.000213313	6.0027
1455265_at	Rgs16	regulator of G-protein signaling 16	NM_011267	4.87E-05	5.99394
1428861_at	Filip1	filamin A interacting protein 1-like	NM_001040397 // NM_001177871	3.47E-05	5.98031
1435557_at	4930562F07Rik	RIKEN cDNA 4930562F07 gene	NM_038030 // NR_038031	0.000212602	5.98003
1456863_at	Sirpb1a	signal-regulatory protein beta 1A	NM_00102898 // NM_178792	0.000351762	5.97657
1448449_at	Ripk3	receptor-interacting serine-threonine kinase 3	NM_001164107 // NM_001164108 // NM_019955	3.25E-05	5.95939
1419272_at	Mdy8	myeloid differentiation primary response gene 88	NM_010851	0.000119833	5.95705
1425787_at	LOC101055731	synaptotagmin-like protein 3-like // synaptotagmin-like protein 3-like // synaptotagmin-like protein 3-like	NM_031395 // NM_183367 // NM_183368 // NM_183369 // NM_183370 // XM_00394556	0.000158925	5.92965
1425284_at	Prrf5	proline rich 5 like	NM_01083810 // NM_00110849 // NM_175181	8.85E-06	5.92523
1449360_at	Csf2rb2	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	NM_007781	0.000306789	5.92069
1418099_at	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	NM_011610	9.76E-05	5.91773
1425282_at	Rnf144b	ring finger protein 144B	NM_001170643 // NM_146042	0.000796147	5.91736
1427041_at	Themis2	thymocyte selection associated family member 2	NM_001033308	5.31E-05	5.91391
1419762_at	Ubud	ubiquitin D	NM_023137	0.00355018	5.91383
1427667_s_at	Torb-J	T cell receptor beta, joining region	—	4.99E-05	5.90624
1436867_at	Lax1	lymphocyte transmembrane adaptor 1	NM_001159649 // NM_172842	0.000223689	5.90277
1450783_at	Iff1	interferon-induced protein with tetratricopeptide repeats 1	NM_008331	0.000227235	5.89641
1451544_at	Tapbp1	TAP binding protein-like	NM_145391	3.29E-05	5.89521
1434867_at	Mgl2	macrophage galactose N-acetyl-galactosamine specific lectin 2	NM_145137	0.00408111	5.88728
1416239_at	Ass1	argininosuccinate synthetase 1	NM_007494	0.000113887	5.877

1437939_s_at	Ctsc	cathepsin C	NM_009982	1.92E-05	5.816
1441589_at	---	---	NM_0039626	5.80724	
1440686_at	Psmb9	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase)	NM_0193595	3.00E-05	5.80481
1440963_at	Tnfsf11	tumor necrosis factor (ligand) superfamily, member 11	NM_0116173	4.99E-05	5.79852
1422525_at	Fogd4	Fc receptor, IgG, activating	NM_1445959	0.0001171211	5.7974
1423215_at	Endo1	endothelial oligomeric diphosphohydrolase 1	NM_0092448	0.000613015	5.78479
1419531_at	Was	Wiskott-Audrich syndrome homolog (human)	NM_0095115	9.84E-05	5.78271
1436779_at	Cybb	cytochrome b-245, beta polypeptide	NM_0078907	0.000510818	5.78183
1453715_at	Sv2c	synaptic vesicle glycoprotein 2c	NM_029210	0.0046176	5.78114
1449888_at	Cd86	CD86 antigen	NM_0193888	0.000133781	5.77202
1449721_at	Niacr1	nicotin receptor 1	NM_0370201	0.00149048	5.76877
1425477_x_at	H2-Ab1	histocompatibility 2, class II antigen A, beta 1	NM_207105	1.84E-05	5.75605
1449556_at	C920025E04Rik	RIKEN cDNA C920025E04 gene /// histocompatibility 2, T region locus 23	NM_001271005	5.72E-06	5.73111
1447878_at	Pibp1	phosphoplasma B domain containing 1	NM_025806	4.22E-05	5.71485
1418353_at	Cd5	CD5 antigen	NM_007650	0.0016108	5.70976
1460273_at	Naip2	NLR family, apoptosis inhibitory protein 2	NM_001126182	0.000151994	5.70341
1455900_x_at	Tgm2	transglutaminase 2, C polypeptide	NM_0099733	5.76E-05	5.69664
1460245_at	Kir1d	killer cell lectin-like receptor, subfamily D, member 1	NM_010654	0.000560665	5.68985
1452349_x_at	Ifi205 // Mnda	interferon activated gene 205 /// myeloid cell nuclear differentiation antigen	NM_001033450	2.55E-05	5.67228
1450678_at	Itgb2	integrin beta 2	NM_008404	3.21E-05	5.67195
1456873_at	Clic5	chloride intracellular channel 5	NM_172621	0.000910741	5.55585
1450672_at	Atrip // Trex1	ATR interacting protein // three prime reexonuclease 1	NM_001012236	0.000121009	5.55316
1434152_at	Apol7c // Gm682	apolipoprotein L 7c // apolipoprotein L7c pseudogene	NM_175391	0.002852	5.54759
1441317_x_at	Jakmip1	janus kinase and microtubule interacting protein 1	NM_178394	0.00516714	5.54168
1417523_at	Plek	pleckstrin	NM_019549	8.94E-05	5.53989
1452348_x_at	Ifi204 // Ifi205 //	interferon activated gene 204 /// interferon activated gene 205 /// myeloid cell nucleus	NM_001033450	0.000208001	5.53138
1421291_at	Il18rap	interleukin 18 receptor accessory protein	NM_010553	1.22E-05	5.51771
1451492_at	Sla2	Src-like-adaptor 2	NM_029983	2.61E-05	5.51331
1422701_at	Zap70	zeta-chain (TCR) associated protein kinase	NM_009539	6.66E-05	5.50348
1441601_at	C920021A13	uncharacterize protein C920021A13	--	0.000221957	5.5099
1430373_at	5430427O19Rik	RIKEN cDNA 5430427O19 gene	NM_001163539	0.000536031	5.50945
1450027_at	Sdc3	syndecan 3	NM_011520	0.000125479	5.50912
1446861_at	Il15ra	interleukin 15 receptor, alpha chain	NM_001271497	0.001271499	5.50873
1422303_at	Tnfrsf18	tumor necrosis factor receptor superfamily, member 18	NM_009400	0.000122786	5.50876
1421326_at	Csf2rb	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	NM_007780	0.000347628	5.50799
1442798_x_at	Hk3	hexokinase 3	NM_001033245	0.001206390	5.50799
1421977_at	Mmp19	matrix metalloproteinase 19	NM_001164197	0.00121412	5.50438
1451584_at	Havcr2	hepatitis A virus cellular receptor 2	NM_134250	2.45E-05	5.50392
1416942_at	Erap1	endoplasmic reticulum aminopeptidase 1	NM_030711	0.000322408	5.50361
1447272_s_at	Atp10a	ATPase, class V, type 10A	NM_009728	0.00108091	5.52826
1456887_at	Cmkrlr1	chemokine-like receptor 1	NM_008153	2.59E-05	5.5182
1447995_at	Ptnp22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	NM_008979	0.000315066	5.5169
1456494_a_at	Trim30a // Trim30	tripartite motif-containing 30A // tripartite motif-containing 30D	NM_001167828	0.000259966	5.5165
1449580_s_at	H2-Dmb1 // H2-	histocompatibility 2, class II, locus Mb1 // histocompatibility 2, class II, locus Mb2	NM_010387	0.000188437	5.51594
1451721_at	H2-Ab1	histocompatibility 2, class II antigen A, beta 1	NM_207105	9.98E-06	5.51302
1417244_at	Itf1	interferon regulatory factor 7	NM_001252600	0.001252601	5.50693
1447752_x_at	Gpr174	G protein-coupled receptor 174	NM_0011230251	0.001177781	5.50697
1449698_at	Gm681	histocompatibility 2, class II, locus Mb1 // histocompatibility 2, class II, locus Mb2	NM_010357	0.000207231	5.50538
1419219_at	Cyp4f18	cyclochrome P450, family 4, subfamily f, polypeptide 18	NM_024444	0.00021267	5.48465
1455213_at	LOC101056514	thyromin beta-15a-like // thyromin beta 15b // thyromin beta 15b like	NM_001080967	0.000206642	5.4621
1426188_at	TorJ	T cell receptor beta, joining region	--	0.00112495	5.45402
1430114_at	Ddx60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	NM_001081215	9.20E-06	5.44568
1428662_at	Hoxp	HOP homeobox	NM_001159900	0.000563239	5.44424
1427242_at	Ddx4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	NM_001145985	0.000703152	5.42781
1419480_at	Sell	selectin, lymphocyte	NM_011640593	0.000991377	5.42774
1455843_at	Fut4	fucosyltransferase 4	NM_010242	0.000129094	5.41411
1422637_at	Rassf5	Ras association (RalGDS/AF-6) domain family member 5	NM_018750	0.00213566	5.4136
1456836_at	Itk	IL2 inducible T cell kinase	NM_010583	0.000206642	5.41151
1426008_at	Slt7a2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	NM_001044740	0.000464812	5.40955
1424302_at	Lilrb3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	NM_001164211	3.83E-05	5.39603
1452117_at	Fyb	FYN binding protein	NM_001278269	0.000287382	5.38071
1417123_at	Vav3	vav 3 oncogene	NM_020550	9.62E-08	5.37469
1424067_at	Icam1	intercellular adhesion molecule 1	NM_010493	0.000180194	5.36707
1420353_at	Lta	lymphotxin A	NM_0107335	4.14E-05	5.36213
1433466_at	AI467606	expressed sequence AI467606	NM_178901	8.38E-05	5.35771
1424509_at	Cd177	CD177 antigen	NM_026862	0.000859078	5.35632
1424588_at	Gm5101	predicted gene 5101	XR_10676 // XR_107279	0.000217369	5.35478
1445647_at	Al447881	expressed sequence Al447881	--	1.69E-05	5.33416
1441516_a_at	C130050018Rik	RIKEN cDNA C130050018 gene	NM_177000	0.00122737	5.33338
1444248_at	Gm17767	predicted gene_17767	XR_104576 // XR_107292	0.000730925	5.32566
1446745_at	Gm5547	predicted gene_5547	NM_045845	3.68E-05	5.32734
1425598_at	Gm117 // Lyn	predicted gene_117 // Yamaguchi sarcoma viral (v-yes-1) oncogene homolog	NM_00111096	0.00142969	5.32354
1426157_at	Gng2	guanine nucleotide binding protein (G protein), gamma 2	NM_001368337	0.000366437	5.32201
1427891_at	Gimap6	GTPase, IMAP family member 6	NM_151375	0.000449138	5.32048
1431293_at	Gpr15	G protein-coupled receptor 15	NM_001162955	0.00041811	5.31405
1422660_x_at	Cor5	chemokine (C-C motif) receptor 5	NM_009917	0.000419095	5.3038
1447264_at	Rab11fip1	RAB11 family interacting protein 1 (class I)	NM_001080813	0.000996262	5.30275
1418993_s_at	F10	coagulation factor X	NM_001164401	0.001164402	5.30215
1436312_at	Ikrf1	IKAROS family zinc finger 1	NM_00125597	0.000490104	5.29599
1458505_at	Zg3h12d	zinc finger CCCH type containing 12D	NM_172785	0.00235163	5.28819
1421407_at	F2r12	coagulation factor II (thrombin) receptor-like 2	NM_010170	0.00276299	5.28725
1429184_at	Gm4070 // Givn	predicted gene_4070 // GTPase, very large interferon inducible 1	NM_001093160	0.001243039	5.27412
1426258_at	Sor11	sorbin-related receptor, LDLR class A repeats-containing	NM_011436	0.00611259	5.27128
1453003_at	Sor11	sorbin-related receptor, LDLR class A repeats-containing	NM_011436	0.00133844	5.26712
1417676_at	Ptpn	protein tyrosine phosphatase, receptor type O	NM_001164401	0.000544504	5.26315
1448866_at	Gata3	GATA binding protein 3	NM_0080991	0.000100134	5.25847
1449220_at	Gmap3	GTPase, IMAP family member 3	NM_031247	1.32E-05	5.25648
1451363_at	Dennod2	DENN/MADD domain containing 2D	NM_01093754	0.000733979	5.25626
1445299_s_at	Nrbie	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, epsilon	NM_008699	0.00053543	5.25501
2010109K09Rik	RIKEN cDNA 2010109K09 gene	--	NM_00894926	0.000192466	5.23476
1459914_at	Stc25a3	solute carrier family 25 (SLC25A3)	NM_001114179	0.00161911	5.23054
1436232_at	Obps	oncogenic protein (Receptor/AF-6)-domain family member 4	NM_178945	0.00037125	5.23026
1426906_at	Mnd1	myeloid nuclear differentiation antigen like	NM_01170953	1.47E-06	5.20837
1417521_at	Ntfatc1	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1	NM_001164109	0.001164110	5.20737
1427911_at	Tmem173	transmembrane protein 173	NM_028261	2.31E-05	5.19809
1416619_at	Fam65b	family with sequence similarity 65, member B	NM_01164112	0.000733979	5.19809
1418925_at	Celsr1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	NM_09898	0.0022537	5.18609
1417185_at	Ly6a	lymphocyte antigen 6 complex, locus A	NM_001271416	0.001271417	5.18581
1440900_at	Gpr174	G protein-coupled receptor 174	NM_001133251	0.000932192	5.18432
1435959_at	Arhgap15	Rho GTPase activating protein 15	NM_001205377	0.00015359	5.18085
1418131_at	Samhd1	SAM domain and HD domain 1	NM_001123020	0.0011851	5.1698
1436271_at	Apol7b // Apol7e	apolipoprotein L 7b // apolipoprotein L 7e	NM_001249488	0.001134802	5.16987
1435490_at	Hk3	hexokinase 3	NM_001332345	0.001206390	5.16445
1417756_at	Lsp1	lymphocyte specific 1	NM_001136071	0.001217508	5.16205
1448861_at	Traf5	TNF receptor-associated factor 5	NM_0116303	0.000228855	5.15904
1437762_at	Rab39	RAB39, member RAS oncogene family	NM_175562	0.000199175	5.15849
1434046_at	A4A67197	expressed sequence A4A67197	NM_001004174	0.000291624	5.15338
1418536_at	H2-Q7 // H2-Q9	histocompatibility 2, Q region locus 7 // histocompatibility 2, Q region locus 9	NM_001198560	0.001201460	5.14705
1426063_at	Gem	GTP binding protein (gene overexpressed in skeletal muscle)	NM_010276	0.000412048	5.10099
1433581_at	119002N215Rik	RIKEN cDNA 119002N215 gene	NM_001033145	0.000329262	5.09413
1418452_at	Gng2	guanine nucleotide binding protein (G protein), gamma 2	NM_001308637	0.00103978	5.08871
1418261_at	Syk	spleen tyrosine kinase	NM_001198977	0.0011518	5.08621
1449570_at	Kirb1c	killer cell lectin-like receptor subfamily B member 1C	NM_001159904	0.0006027	5.08569
1434248_at	Prkch	protein kinase C, eta	NM_008856	0.000236405	5.08472
1448511_at	Ptprcb	protein tyrosine phosphatase, receptor type, C polypeptide-associated protein	NM_016933	0.000396712	5.08419
1416697_at	Dpp4	dipeptidylpeptidase 4	NM_001195943	0.000538164	5.08298
1427434_at	LOC101056649	baculoviral IAP repeat-containing protein 1F-like // NLR family, apoptosis inhibitor	NM_010871	0.000730322	5.07295
1451767_at	Ncf1	neutrophil cytosolic factor 1	NM_010876	0.000550079	5.0567
1430704_at	Pla2g7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	NM_013737	0.00124443	5.05445
1423598_at	Atp8a1	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	NM_001038999	0.000365528	5.04642
1434359_at	Fam65b	family with sequence similarity 65, member B	NM_001080381	0.000274005	5.04266
1435342_at	Kcnk6	potassium inwardly-rectifying channel, subfamily K, member 6	NM_001033525	0.00102154	5.03551
1437176_at	Nirc5	NLR family, CARD domain containing 5	NM_001033207	0.000306797	5.03296
1426915_at	Dapk1	death associated protein kinase 1	NM_029653	0.000764308	5.02375
1428034_a_at	Tnfsf9	tumor necrosis factor receptor superfamily, member 9	NM_001077508	0.000101895	5.02251
1434754_at	Rap1gap2	RAP1 GTPase activating protein 2	NM_001015046	0.000684227	5.01818
1420382_at	Apolb	apolipoprotein B receptor	NM_138310	0.000597029	5.01767
1404245_at	Codcb8b	coiled-coil domain containing 88B	NM_001081291	0.000745	5.01704
1431843_at	Nrkbe	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, epsilon	NM_008690	0.000670387	5.0058
1430634_a_at	Ptkp	phosphofructokinase, platelet	NM_019703</		

1442640_at	---	---		8.42E-05	4.98702
1435313_at	Cd200r4	CD200 receptor 4	NM_207244	0.000183888	4.98233
1442621_at	Coh1	cathelin 1	NM_009294	0.00019426	4.98211
1419873_s_at	Csf1r	colony stimulating factor 1 receptor	NM_001037859 /// NM_007779	0.000265147	4.9777
1431970_at	Dcamamp	descamptose-severin membrane protein	NM_001649709	0.000116709	4.9771
1440625_at	Bif2	delta-catenin/locoregion 2, anti-proliferative	NM_007570	0.00026369	4.97313
1426505_at	Evd2a-Evd2b /// E	Evd2a-Evd2b readthrough // ecotropic viral integration site 2b	NM_001077496 /// NM_146023	1.43E-05	4.97131
1418110_s_at	Inpp5d	inositol polyphosphate-5-phosphatase D	NM_001110192 /// NM_001110193 /// NM_010566	0.000543066	4.97008
1421302_at	Birc3	baculoviral IAP repeat-containing 3	NM_007464	0.000220553	4.96829
1450767_at	Nedd9	neuronal precursor cell expressed, developmentally down-regulated gene 9	NM_00111324 // NM_017464	0.000580519	4.96292
1431045_at	Fam49a	family with sequence similarity 49, member A	NM_001146119 // NM_029758	0.000523988	4.96163
1456061_at	Gimap8	GTPase, IMAP family member 8	NM_001077410 /// NM_212486	0.000252583	4.9497
1453072_at	Gor160	G-protein-coupled receptor 160	NM_001134385 // NM_001134386 // NM_027965	0.000216163	4.94712
1448749_at	Pleck	pleckstrin	NM_019549	0.000218447	4.94667
1456772_at	Ncf1	neutrophil cytosolic factor 1	NM_010876	0.000190743	4.94204
1455067_at	Psd4	pleckstrin and Sec7 domain containing 4	NM_177611	6.85E-05	4.93837
1422160_at	Fam19a3	family with sequence similarity 19, member A3	NM_183224	0.000437166	4.93138
1416333_at	Dok2	docking protein 2	NM_010071	2.09E-05	4.92555
1437117_at	Acap1	ArgGAP with coiled-coil, ankyrin repeat and PH domains 1	NM_153788	5.93E-05	4.9213
1426188_s_at	BC005685	cDNA sequence BC005685	---	0.00196906	4.91703
1436397_at	Tifab	TRAF-interacting protein with forkhead-associated domain, family member B	NM_001168615 // NM_145976	9.93E-05	4.91387
1438439_at	Gpr171	G-protein-coupled receptor 171	NM_173398	0.000170706	4.90308
1433582_at	1190002N15Rik	RIKEN cDNA 1190002N15 gene	NM_001033145	0.000748694	4.90288
1435595_at	Gsap	gamma-secretase activating protein	NM_175437	5.59E-05	4.90059
1452092_at	Chst15	carbohydrate-(N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15	NM_029935	0.00105564	4.88962
1460067_at	Cer2	chemokine (C-C motif) receptor 2	NM_009915	0.000712521	4.88617
1416576_at	Socs3	suppressor of cytokine signaling 3	NM_007707	0.000326814	4.89557
1437277_x_at	Tgm2	transglutaminase 2, C polypeptide	NM_009373	5.16E-05	4.89155
1418465_at	Ncf4	neutrophil cytosolic factor 4	NM_008677	0.000171952	4.87745
1451910_at	Cd6	CD6 antigen	NM_001037801 // NM_009852	0.00018165	4.87728
1421411_at	Pstip1p2	proline-serine-threonine phosphatase-interacting protein 2	NM_013831 // NM_177831	0.000944147	4.87695
1449473_s_at	Cd40	CD40 antigen	NM_011611 // NM_170702 // NM_170703 // NM_170704 // NM_027852	2.00E-05	4.87674
1440298_at	Trem1	triggering receptor expressed on myeloid cells-like 2	NM_001033405	0.000278043	4.87243
1448806_at	Cyp11a1	cytochrome P450, family 11, subfamily a, polypeptide 1	NM_019779	0.00738442	4.87019
1452367_at	Coro2a	coronin, actin binding protein 2A	NM_001164804 // NM_178893	0.000379277	4.86573
1419711_at	Cd7	CD7 antigen	NM_009854	0.000745442	4.85712
1418204_s_at	Aif1	allophycocyanin inflammatory factor 1	NM_019467	0.00018117	4.8562
1418262_at	Syk	spleen tyrosine kinase	NM_001198977 // NM_011518	0.0004477615	4.84739
1419128_at	Itgax	integrin alpha X	NM_021334	0.000509679	4.83922
1460134_at	9330175E14Rik	RIKEN cDNA 9330175E14 gene	NM_015514	3.73E-05	4.83506
1450293_at	Trnsf14	tumor necrosis factor (ligand) superfamily, member 14	NM_019418	0.000563126	4.83191
1434874_x_at	Acap1	ArgGAP with coiled-coil, ankyrin repeat and PH domains 1	NM_153788	0.000199597	4.83062
1435226_at	Rn11b6	ring finger protein 198	NM_029219	0.000215903	4.82678
1434350_at	Cmpsp1	cysteine-serine-rich nuclear protein 1	NM_153287	0.000189088	4.82469
1444555_at	---	---	---	0.000751924	4.82042
1416994_at	Kmo	kyurenine 3-monooxygenase (kyurenine 3-hydroxylase)	NM_133099	0.000421205	4.80473
1422734_s_at	Myb	myeloblastosis oncogene	NM_001198914 // NM_010848 // NM_033597	0.000121271	4.80409
1424020_s_at	6-Sep	septin 6	NM_001177323 // NM_001253706 // NM_019942	0.000264269	4.80328
1420558_at	Selp	platelet, platelet	NM_011347	0.003409853	4.80078
1418901_at	Cebpb	CCAAT/enhancer binding protein (C/EBP), beta	NM_009893	0.000291215	4.80073
1454733_at	Nox1	nucleotide-binding oligomerization domain containing 1	NM_001171007 // NM_172729	0.000122331	4.78637
1421525_s_at	Locus101056614	baculoviral IAP repeat-containing protein 1-e-like // NLR family, apoptosis inhibitory protein 1	NM_010874 // XM_003946381	0.00124563	4.79474
1452231_x_at	Mnd1	myeloid nuclear differentiation antigen like	NM_001170853	7.30E-06	4.79129
1421578_at	Cd4	chemokine (C-C motif) ligand 4	NM_013652	0.00127078	4.79055
1435459_at	Bcl2111	BCL2-like 11 (apoptosis facilitator)	NM_009754 // NM_207680 // NM_207681	6.37E-05	4.78797
1454656_at	Spatb13	spematogenesis associated 13	NM_010332272	0.000949295	4.78538
1449925_at	Cxcr3	chemokine (C-X-C motif) receptor 3	NM_009910	0.000214704	4.78516
1427655_at	A630308E17Rik	RIKEN cDNA A630308E17 gene	---	0.000480064	4.76366
1434573_at	Traf3ip3	TRAF3 interacting protein 3	NM_153137	0.000304643	4.75867
1417721_s_at	Laptm5	lysosomal-associated protein transmembrane 5	NM_010686	0.000793685	4.75554
1417961_at	Trim30a	tripartite motif-containing 30A	NM_009099	0.000489298	4.752
1434955_at	1-Mar	membrane-associated ring finger (C3HC4) 1	NM_001166372 // NM_001166375 // NM_175188	0.000307724	4.74049
1441974_at	Camk4	calcium/calmodulin-dependent protein kinase IV	NM_009793	0.000929008	4.73484
1453228_at	Stx11	syntaxin 11	NM_001163590 // NM_001163591 // NM_029075	9.16E-05	4.73447
1429525_at	Fam217b	family with sequence similarity 217, member B	NM_01081289	0.000536479	4.7343
1460231_at	Irif5	interferon regulatory factor 5	NM_01252382 // NM_012057	0.000121032	4.73271
1421547_at	Cd180	CD180 antigen	NM_008533	0.00286664	4.72825
1425380_at	Rasgrp4	RAS quanly releasing protein 4	NM_001174155 // NM_145149 // NR_045676	1.65E-05	4.72698
1436716_at	Trim30d	tripartite motif-containing 30D	NM_001167828 // NM_199146	0.000178116	4.72464
1418293_at	Iif12	interferon-induced protein with tetratricopeptide repeats 2	NM_008332	0.000213622	4.71751
1427429_at	Csf2	colony stimulating factor 2 (granulocyte-macrophage)	NM_009969	0.00286569	4.71601
1425215_at	Ffar2	free fatty acid receptor 2	NM_01168509 // NM_01168510 // NM_01168511 // NM_01168512 // NM_146187	0.00111031	4.7143
1426926_at	Plic2	phospholipase C, gamma 2	NM_172285	6.44E-05	4.71305
1418154_at	N4bp1	NEDD4 binding protein 1	NM_030563	0.000427913	4.70777
1448306_at	Ntka1	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha	NM_010907	0.00157269	4.7002
1437505_at	Sla2	Src-like-adaptor 2	NM_029983	0.000203382	4.69435
1433977_at	Hs3t3b1	heparan sulfate (glucosamine)-3-O-sulfotransferase 3B1	NM_018805	0.00358938	4.69428
1422397_at	Ilf15a	interleukin 15 receptor, alpha chain	NM_0012171497 // NM_012171498 // NM_001217150 // NM_001217150	3.30E-05	4.69028
1449591_at	Casp4	caspase 4, apoptosis-related cysteine peptidase	NM_007609	3.11E-06	4.67584
1427348_at	ZC3h12a	zinc finger CCCH type containing 12A	NM_153159	6.27E-05	4.67431
1423595_at	Csf1r	colony stimulating factor 1 receptor	NM_001037859 // NM_007779	0.000124095	4.67265
1441249_at	A930403D09Rik	RIKEN cDNA A930403D09 gene	---	0.000641416	4.67184
1450291_s_at	M544c	membrane-spanning 4-domains, subfamily A, member 4C	NM_029499	3.97E-05	4.67053
1443021_at	Mtnfs	5, 10-methylenetetrahydrofolate synthetase	NM_026829	0.000108508	4.66986
1436544_at	Atp10d	ATPase, class V, type 10D	NM_153389 // NR_003966	0.000479142	4.66696
1420463_at	Cink	cytokine-dependent hematopoietic cell linker	NM_013748	0.000221874	4.66312
1419607_at	Tnf	tumor necrosis factor	NM_013693	0.00212022	4.66242
1421034_s_at	Il4ra	interleukin 4 receptor, alpha	NM_001080700 // NM_010557	0.000603925	4.65837
1435043_at	Pcb1	phospholipase C, beta 1	NM_001045850 // NM_019677	0.00236564	4.65009
1426504_at	Zfp182	zinc finger protein 182	NM_0173387 // NM_00111076	1.86E-05	4.62659
1416585_at	Slc31a2	solute carrier family 31, member 2	NM_025281	2.30E-05	4.61654
1422707_at	Ptk3cg	phosphoinositide 3-kinase, catalytic, gamma polypeptide	NM_001146200 // NM_001146201 // NM_020272	0.000823283	4.61474
1446255_at	Cam1	catenin 1	NM_009367	3.71E-05	4.61239
14248492_at	Clip2	GLI pathogenesis-related 2	NM_027450	0.00116722	4.60942
1440178_x_at	Zfp70	zeta-chain (TCR) associated protein kinase	NM_009539	3.79E-05	4.63346
1460710_at	Adora2a	adenosine A2a receptor	NM_009630	0.000270379	4.63173
1447075_at	---	---	---	2.50E-05	4.62632
1422932_s_at	Vsv1	vav 1 oncogene	NM_001163815 // NM_001163816 // NM_011691	0.000588423	4.61554
1428660_s_at	Tor3a	torso family 3, member A	NM_023141	3.96E-05	4.61547
1449025_at	Ifit3	interferon-induced protein with tetratricopeptide repeats 3	NM_010501	2.77E-05	4.60862
1423323_at	Tacsld2	tumor-associated calcium signal transducer 2	NM_020047	0.001629396	4.60463
1451424_at	Dhx58	DEKH (Asp-Glu-X-His) box polypeptide 58	NM_030150	1.54E-05	4.5976
1424704_at	Runx2	runt related transcription factor 2	NM_001145920 // NM_001146038 // NM_001271627 // NM_001271630 // NM_001271633	7.99E-05	4.59552
1444299_at	A430093F15Rik	RIKEN cDNA A430093F15 gene	NM_207299 // NM_027805	2.51E-05	4.5919
1419722_at	Klk8	kallikrein related-peptidase 8	NM_008940	0.000220862	4.58652
1447621_s_at	Tmem173	transmembrane protein 173	NM_028281	1.59E-05	4.58611
1447711_x_at	---	---	---	0.000312172	4.57831
1419132_at	Tir2	toll-like receptor 2	NM_011905	0.00106124	4.57513
1453913_at	Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	NM_011530	3.66E-05	4.57365
1428346_at	Traf6	TRAF type zinc finger domain containing 1	NM_001163470 // NM_172275	1.49E-05	4.56818
1444741_at	Dock2	dedicator of cyto-kinase 2	NM_033374	0.0011962	4.56811
1453299_s_at	Prr // Pnp2	purine-nucleoside phosphorylase // purine-nucleoside phosphorylase 2	NM_001223371 // NM_013632	0.000312065	4.56658
1448918_at	Sico3a1	solute carrier organic anion transporter family, member 3a1	NM_001038643 // NM_023908	0.000126019	4.56481
1451776_s_at	Hoxp	HOP homeobox	NM_001159900 // NM_001159901 // NM_175606	0.000108564	4.55961
1424130_at	Hsh2d	hematopoietic SH2 domain containing	NM_197944	0.000183435	4.55935
1435227_at	Bd11b	cell leukemia/lymphoma 11B	NM_001079883 // NM_021399	7.75E-05	4.55675
1456212_x_at	Socs3	suppressor of cytokine signaling 3	NM_007707	0.00166733	4.55191
1418540_s_at	Ptpre	protein tyrosine phosphatase, receptor type, E	NM_011212	0.000114123	4.53768
1426167_at	Camk4	calcium/calmodulin-dependent protein kinase IV	NM_009793	9.68E-05	4.53166
1439566_at	M546b	membrane-spanning 4-domains, subfamily A, member 6B	NM_027209	0.000209588	4.51894
1436074_at	Nrkbid	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, delta	NM_172142	0.000593198	4.51888
1419518_at	Tubab	tubulin, alpha 8	NM_017379	0.0034608	4.51708
1438097_at	Rab20	RAB20, member RAS oncogene family	NM_011227	0.00051516	4.51103
1452539_at	Cd247	CD247 antigen	NM_001113391 // NM_001113392 // NM_001113393 // NM_031162 // NM_000510203	4.51013	
1421618_at	Myo1ff	myosin IF	NM_053214	6.97E-05	4.51006
1423602_at	Traf1	TNF receptor-associated factor 1	NM_009421	8.99E-05	4.50808
1449347_at	Xir4a // Xir4b	X-linked lymphocyte-regulated 4A // X-linked lymphocyte-regulated 4B // X-linked lymphocyte-regulated 4C	NM_00		

1443284	at	--	--			0.000173813	4.47687
1425863	a at	Ptkpro	protein tyrosine phosphatase, receptor type, O	NM_001164401 // NM_001164402 // NM_001164403 // NM_011216	0.00130006	4.47432	
1456426	at	Clec2i	C-type lectin domain family 2, member 1	NM_020257	0.00192976	4.47411	
1421937	at	Dapp1	dual adaptor for phosphotyrosine and 3-phosphoinositides 1	NM_00119302	0.0016674	4.47027	
1416291	at	Tgfb1	transforming growth factor, beta induced	NM_0039369	0.00161232	4.46764	
1419526	at	Fgr	Gardiner-Robertson sarcomatoid viral oncogene homolog	NM_0102008	0.00162366	4.46859	
1426037	e at	Rgs16	regulator of G-protein signaling 16	NM_0112867	0.000498303	4.45604	
1424518	e at	Apol9a	/// Apolipoprotein L 9a // apolipoprotein L 9b	NM_001162983 // NM_001168660 // NM_173743 // NM_173786	0.00050628	4.45411	
1418176	at	Vdr	vitamin D receptor	NM_009504	0.00220862	4.45115	
1436501	at	Mtus1	mitochondrial tumor suppressor 1	NM_001050563 // NM_001050564 // NM_001050565	0.00197632	4.4505	
1435288	at	Cer01a	coprin, actin binding protein 1A	NM_0098988	2.17E-05	4.44954	
1416318	at	Serpinb1a	serine (or cysteine) peptidase inhibitor, clade B, member 1a	NM_025429	0.00057522	4.43789	
1417707	at	N4bp2i	NEDD4 binding protein 2-like 1	NM_133898	0.00191802	4.43475	
1436589	x at	Prkd2	protein kinase D2	NM_001252458 // NM_178900	2.68E-05	4.43236	
1451253	at	Pvk	PX domain containing serine/threonine kinase	NM_145458 // NM_178279	5.31E-05	4.43016	
1436378	at	Pld4	phospholipase D family, member 4	NM_178911	4.30E-05	4.42908	
1501914	a at	Myb	myeloblastosis oncogene	NM_001198914 // NM_010848 // NM_033597	0.000333021	4.42681	
1451024	at	S1pr4	sphingosine-1-phosphate receptor 4	NM_0101092	0.00163944	4.41818	
1428700	at	P2zy13	purinergic receptor P2Y-G-protein coupled 13	NM_028890	0.00152231	4.41649	
1437909	at	4930523C07Rik	RIKEN cDNA 4930523C07 gene	NM_001024470 // NM_001162896 // NR_028111	0.000739841	4.41594	
1458602	at	Bbx	bobby sox homolog ( <i>Drosophila</i> )	NM_027444	0.000111663	4.4136	
1416295	a at	Il2rg	interleukin 2 receptor, gamma chain	NM_013563	0.000112068	4.41356	
1455068	at	Psd4	pleckstrin and Sec7 domain containing 4	NM_177611	0.00166014	4.41244	
1456126	at	Malt1	mucoса associated lymphoid tissue lymphoma translocation gene 1	NM_172833	0.000113971	4.41224	
1434069	at	Prex1	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	NM_177782	0.000293152	4.41139	
1457780	at	Stx11	syntaxis 11	NM_001163590 // NM_001163591 // NM_029075	0.000423977	4.41104	
1422638	s at	Rassf5	Ras association (RaGDS/AF-6) domain family member 5	NM_018750	0.000386401	4.41051	
1448509	at	Fam107b	family with sequence similarity 107, member B	NM_025626	0.00100881	4.4058	
1426450	at	Ptic2	phospholipase C-like 2	NM_013880	0.00015692	4.40477	
1423595	at	Napsa	napsin A aspartic peptidase	NM_008437	0.00144997	4.40326	
1459973	x at	Dpp4	dipeptidylpeptidase 4	NM_001195943 // NM_010074	6.94E-05	4.39584	
1429422	at	4933412E12Rik	RIKEN cDNA 4933412E12 gene	NR_030255 // NR_038026	0.000462135	4.39267	
1451806	at	Fnbp1	formin binding protein 1	NM_001038700 // NM_001177648 // NM_001177650 // NM_019406	0.0089695	4.3864	
1439566	at	Gprin3	GPRIN family member 3	NM_183183	0.000283936	4.38552	
1419206	at	Cd37	CD37 antigen	NM_007645	0.00430895	4.38534	
1421338	at	Eif4	E74-like factor 4 (ets domain transcription factor)	NM_019680	0.00270067	4.37841	
1440665	at	--	--	0.0039923	4.37446		
1449454	at	Bst1	bone marrow stromal cell antigen 1	NM_009763	0.00038956	4.36924	
1422105	at	Cd3e	CD3 epsilon, epsilon polypeptide	NM_007648	0.000663955	4.36902	
1448026	at	Chd7	chromodomain helicase DNA binding protein 7	NM_001033395 // NM_001081417 // NM_001277149	0.000276034	4.35893	
1418133	at	Bcl3	B cell leukemia/lymphoma 3	NM_033601	0.00037952	4.34816	
1428012	at	Angef6	Rac6/cdc42 guanine nucleotide exchange factor (GEF) 6	NM_152801	0.00142363	4.34636	
1426914	at	Marvel2	MARVEL (membrane-associated) domain containing 2	NM_001038602 // NM_178410	0.00096866	4.3463	
1433914	at	Lipo1	lipase, member 01	NM_001013770	1.30E-05	4.34547	
1452123	s at	Fmd4b	FERM domain containing 4B	NM_145148	0.0005559801	4.34405	
1421463	at	Siglece	sigle acid binding Ig-like lectin E	NM_03181	0.000123634	4.33979	
1435596	x at	Dnajc6	Dnaj (Hsp40) homolog, subfamily C, member 6	NM_001164583 // NM_001164584 // NM_001164585 // NM_198412	0.0009198755	4.33595	
1457935	at	--	--	0.00034245	4.33305		
1424322	at	Traf1	T cell receptor associated transmembrane adaptor 1	NM_198297	0.003866	4.33208	
1450848	s at	H2-Ab1	histocompatibility 2, class II antigen A, beta 1	NM_207105	1.69E-05	4.33108	
1435584	at	A630033H20Rik	RIKEN cDNA A630033H20 gene	NM_001122595 // NM_001122596 // NM_175442	0.001935448	4.33028	
1424380	at	Cables1	COKS and Abi enzyme substrate 1	NM_001146287 // NM_022021	0.000601612	4.32688	
1427797	s at	CtsE	cathepsin E	NM_007799	0.000601612	4.32605	
1417333	at	Ras4a	RAS p21 protein activator 4	NM_001039103 // NM_133914	5.42E-06	4.2762	
1418932	at	Nhl3	nuclear factor, interleukin 3, regulated	NM_017373	6.00E-05	4.27614	
1457945	at	--	--	0.0075989	4.27101		
1425548	at	Lst1	leukocyte specific transcript 1	NM_010734	9.93E-05	4.27074	
1449419	at	Dock8	dedicator of cytokinesis 8	NM_028785 // NM_175233	0.000239769	4.26885	
1426276	at	Ifih1	interferon induced with helicase C domain 1	NM_001164477 // NM_027835	1.56E-05	4.26828	
1435262	at	Emilin2	elastin microfibril interfacer 2	NM_145158	0.000850431	4.26592	
1450211	at	Fmn1	formin-like 1	NM_001077698 // NM_019679	0.000437778	4.26448	
1420819	at	Sla	src-like adaptor	NM_001029841 // NM_009192	0.000416222	4.26323	
1420703	at	Csf2ra	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	NM_009970	4.56E-05	4.26265	
1421550	a at	Trim34a	// Trim34a tripartite motif-containing 34A // tripartite motif-containing 34B	NM_001243916 // NM_030684	4.49E-05	4.26214	
1451453	at	Dapk2	death-associated protein kinase 2	NM_0100119	0.00471054	4.26067	
1417602	at	Per2	period circadian clock 2	NM_011066	0.000154374	4.24881	
1456065	at	Ubash3a	ubiquitin associated and SH3 domain containing A	NM_177823	0.000155317	4.24702	
1444343	at	--	--	0.0151765	4.24119		
1452068	at	Naaa	N-acylethanolamine acid amidase	NM_001163687 // NM_025972	0.000661849	4.2397	
1447213	at	--	--	0.004844525	4.23105		
1419833	s at	Arap3	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	NM_001205336 // NM_139206	0.00196981	4.23022	
1442820	at	Gm15472	predicted gene 15472	--	0.000515385	4.22463	
1418718	at	Cxcl16	chemokine (C-X-C motif) ligand 16	NM_023158	0.000167981	4.21772	
1417876	at	Fcgr1	Fc receptor, IgG, high affinity I	NM_010186	0.000148267	4.20838	
1455899	x at	Socs3	suppressor of cytokine signaling 3	NM_007707	0.00116182	4.20493	
1439771	s at	D13ERTD608E	--	0.000629198	4.19675		
1419684	at	C8b	// LOC10192 chemokine (C-X-C motif) ligand 8 // c-C motif chemokine 8-like	NM_021443 // XM_003085741	0.000723042	4.19583	
1426595	at	Fmd4b	FERM domain containing 4B	NM_145148	0.000910007	4.19552	
1435691	at	Arhgap26	Rho GTPase activating protein 26	NM_175164	0.000370296	4.19342	
1427892	at	Myo1g	myosin IG	NM_178440	0.000418858	4.193	
1449049	at	Thrl	toll-like receptor 1	NM_001276445 // NM_030682	7.26E-06	4.19069	
1422953	at	Fpr2	formyl peptide receptor 2	NM_00839	0.0016757	4.18995	
1437432	a at	Itgb12a	tripartite motif-containing 12A	NM_023835	0.000168372	4.18865	
1426522	at	Atp8b4	ATPase, class I, type BB, member 4	NM_0109044	0.00016841	4.18027	
1436329	s at	Cx40	CD40 antigen	NM_016111 // NM_170702 // NM_170703 // NM_170704 // NR_027852	5.51E-05	4.18358	
1416907	at	Cfr2	cytokine receptor-like factor 2	NM_00164733 // NM_016715	0.000532609	4.18325	
1440217	at	Fam169b	family with sequence similarity 169, member B	NM_001024377	3.21E-05	4.17661	
1420264	a at	Skl1	Skl1-like	NM_001039990 // NM_00127177 // NM_011386	4.36E-05	4.16879	
1448328	at	Sh3bp2	SH3-domain binding protein 2	NM_001136088 // NM_001145858 // NM_001145859 // NM_011893	0.000755599	4.16737	
1428330	at	Dopey1	dopey family member 2	NM_026700 // NM_027293	0.000446025	4.16627	
1451099	at	Esy1	extended synaptosomal-like protein 1	NM_011843	0.000446025	4.16627	
1437245	at	Tmem154	transmembrane protein 154	NM_172850	0.00171884	4.16534	
1441226	at	Spon1	spondin 1, (f-spondin) extracellular matrix protein	NM_145584	0.000398055	4.16505	
1416530	a at	Pnp	purine-nucleoside phosphorylase	NM_013632	0.000320013	4.16245	
1420591	at	Gpr84	G-protein-coupled receptor 84	NM_030720	0.00304908	4.16164	
1444009	at	Rassf4	Ras association (RaGDS/AF-6) domain family member 4	NM_178045	0.00153063	4.16038	
1450675	at	Smnp2	stromal membrane-associated GTPase-activating protein 2	NM_133716	0.000654716	4.15948	
1426223	at	Ttc39c	tritropocopeptide repeat domain 39C	NM_028341	0.000644103	4.1591	
1419300	at	Filt1	FMS-like tyrosine kinase 1	NM_010228	0.00377652	4.15861	
1416273	at	Tnfaf2	tumor necrosis factor, alpha-induced protein 2	NM_009396	0.003236989	4.15832	
1451756	at	Filt1	FMS-like tyrosine kinase 1	NM_010228	0.00483397	4.1557	
1439068	at	Erap1	endoplasmic reticulum aminopeptidase 1	NM_030711	1.46E-05	4.14846	
1452178	at	Parp10	// Ples poly (ADP-ribose) polymerase family, member 10 // plectin	NM_001163540 // NM_001163542 // NM_001163549 // NM_001163575	0.000328061	4.14515	
1450214	at	Adon2b	adenosine A2B receptor	NM_007413	0.00182421	4.14172	
1417025	at	H2-Eb1	histocompatibility 2, class II antigen E beta	NM_010382	0.000226556	4.13938	
1417268	at	Cd14	Cd14 antigen	NM_009841	0.0035173	4.13492	
1420393	at	Cd160	Cd160 antigen	NM_001163496 // NM_001163497 // NM_018767	0.000438913	4.12462	
1422160	at	H2-T24	histocompatibility 2, T region locus 24	NM_008207	0.000382078	4.12434	
1451174	at	Lrrc33	leucine rich repeat containing 33	NM_146069	0.000108948	4.11904	
1438061	at	4930523C07Rik	RIKEN cDNA 4930523C07 gene	NM_001024470 // NM_001162896 // NR_028111	0.000396833	4.11756	
1418809	at	Pirat1	// Pirat2 paired-Ig-like receptor A1 // paired-Ig-like receptor A2	NM_011087 // NM_011089 // NM_003946213	0.000796999	4.11528	
1442862	at	--	--	0.00879332	4.11526		
1444486	at	Klh5	kelch-like 5	NM_175174	0.00012967	4.11472	
1437561	at	Trat1	T cell receptor associated transmembrane adaptor 1	NM_198297	0.00205504	4.11056	
1449222	at	Ebi3	Epstein-Barr virus induced gene 3	NM_015766	0.00271365	4.10478	
1420710	at	Rel	reticuloendotheliosis oncogene	NM_009044	0.000442662	4.10242	
1434380	at	Gbp7	guanylate binding protein 7	NM_001083312 // NM_145545	9.00E-06	4.10161	
1456592	x at	1700097N02Rik	RIKEN cDNA 1700097N02 gene	NM_045287	4.34E-05	4.10107	
1428415	at	Rnf113a2	ring finger protein 113A2	NM_025525	0.00017572	4.09827	
1459919	a at	Mob3c	MOB kinase activator 3C	NM_175308	0.00155171	4.09409	
1441115	at	D18Ertd232ze	DNA segment, Chr 18, ERATO Doi 232, expressed	--	0.00478108	4.08399	
1455369							

1451750	at	Irk4	interleukin-1 receptor-associated kinase 4	NM_029926	0.000828611	4.06846
1435454	a at	Helz2	helicase with zinc finger 2, transcriptional coactivator	NM_183162	0.000515707	4.05644
1446553	at	Tifa	TRAF-interacting protein with forkhead-associated domain	NM_145133	0.000135557	4.0562
1426501	a at	P2ry10	purinergic receptor P2Y, G-protein coupled 10	NM_172495	0.000203772	4.05653
1469515	at	Nsh1	nucleolin binding protein 1	NM_026998	0.000181759	4.05652
1420768	a at	Dhx58	DExH (Asp-Glu-X-His) box polypeptide 58	NM_030150	0.000033056	4.05
1430212	at	H2-T110 // H2-T2	histocompatibility 2, T region locus 10 // histocompatibility 2, T region locus 22 //	NM_010305 // NM_010396 // NM_010397 // NM_010399 // NM_0104286 // XM_00368894	5.60E-06	4.04925
1428767	at	Gsdmd	gasdermin D	NM_026960	3.76E-05	4.04816
1428781	at	Dmkn	dermokine	NM_001166173 // NM_00166174 // NM_028618 // NM_172899	0.00187007	4.04748
1428966	at	Rfn1	raftin lipid raft linker 1	NM_181397	0.000237755	4.04525
1456635	at	C13002612Rik	RIKEN cDNA C13002612Rik gene	NM_001037909 // NM_175219	0.000297578	4.04313
1449305	at	F10	coagulation factor X	NM_001242368 // NM_007972	0.000746594	4.03467
1437944	at	Rhof	ras homolog gene family, member f	NM_175092	5.14E-05	4.03337
1429055	at	4930506M07Rik	RIKEN cDNA 4930506M07 gene	NM_001114312 // NM_175172	0.00387749	4.03109
1418633	a at	Notch1	notch 1	NM_008714	0.000966227	4.02931
1440205	a at	1-Mar	membrane-associated ring finger (C3HC4) 1	NM_001166372 // NM_001666375 // NM_175188	0.000338173	4.02093
1424965	a at	Lpxn	leupaxin	NM_134152	0.000369999	4.01724
1434333	a at	Prkd2	protein kinase D2	NM_001252458 // NM_178900	3.74E-05	4.00665
1436061	at	---	---	---	8.98E-06	4.00396
1429881	a at	Arhgap15	Rho GTPase activating protein 15	NM_001025377 // NM_153820	0.000970269	4.0033
144583	a at	Tmem26	transmembrane protein 26	NM_177794	0.00522273	4.003
130447	a at	Lair1	leukocyte-associated Ig-like receptor 1	NM_001113474 // NM_178611	0.000927766	3.99806
1421287	a at	Pecam1	platelet/endothelial cell adhesion molecule 1	NM_001032378 // NM_008816	0.00106622	3.99773
1442025	a at	---	---	---	0.00537264	3.99428
1435665	at	Trim30d	tripartite motif-containing 30D	NM_001167828 // NM_199146	0.000648375	3.99119
1417122	a at	Vav3	vav 3 oncogene	NM_020505 // NM_146139	0.00673778	3.99075
1438475	a at	AB124611	cDNA sequence AB124611	NM_001198794 // NM_206536	4.92E-05	3.99053
1460437	a at	Cyth4	cytohesin 4	NM_028195	0.000103981	3.98812
1425609	a at	Ncf1	neutrophil cytosolic factor 1	NM_010876	0.000455066	3.98668
1421358	a at	H2-M3	histocompatibility 2, M region locus 3	NM_013819	6.45E-06	3.96955
1440117	a at	---	---	---	4.63E-05	3.96708
1430819	a at	Naaa	N-acylethanolamine acid amidease	NM_001163687 // NM_025972	0.00725436	3.96562
1417391	a at	Il16	interleukin 16	NM_010551	0.00148872	3.9638
1433964	s at	Fermt3	fermitin family homolog 3 (Drosophila)	NM_153795	9.84E-05	3.9602
1427974	s at	Caaca1d	calcium channel, voltage-dependent, L type, alpha 1D subunit	NM_001083616 // NM_028981	0.00306991	3.95752
1423452	s at	Stk17b	serine/threonine kinase 17b (apoptosis-inducing)	NM_133810	4.78E-05	3.95651
1460255	s at	Tnfsf13b	tumor necrosis factor (ligand) superfamily, member 13b	NM_033622	9.84E-05	3.95503
1449365	s at	S1pr5	sphingosine-1-phosphate receptor 5	NM_053190	0.00168211	3.94832
1420641	a at	Sordl	sulfide quinone reductase-like (yeast)	NM_001162503 // NM_021507 // NR_027888	0.000358995	3.94127
1443599	a at	Al043046	expressed sequence Al043046	---	8.20E-05	3.93999
1421207	a at	Lif	leukemia inhibitory factor	NM_001039537 // NM_008501	0.00777108	3.939419
1426893	a at	Fam102a	family with sequence similarity 102, member A	NM_153560	0.000231646	3.93017
1434967	a at	Zswim6	zinc-finger SWIM-type containing 6	NM_145456	0.003333938	3.92695
1450034	a at	Stat1	signal transducer and activator of transcription 1	NM_001205313 // NM_001205314 // NM_009283	4.82E-06	3.92657
1419874	x at	Zbtb16	zinc finger and BTB domain containing 16	NM_133810	0.00014433	3.92527
1425298	a at	Abi3	ABI gene family, member 3	NM_001813646 // NM_025659	0.00147639	3.92501
1426203	s at	Gst1	glutathione S-transferase 1	NM_001813647 // NM_025660	0.0000644	3.91289
1455015	a at	Tbc1d9	TBC1 domain family, member 9	NM_001111304 // NM_027758	0.00170973	3.91265
1436419	a at	1700097N02Rik	RIKEN cDNA 1700097N02 gene	NM_045287	7.62E-05	3.91123
1441915	s at	Cxcl16	chemokine (C-X-C motif) ligand 16	NM_023158	0.000916458	3.90792
1436333	s at	Syt	syntaptosomal-associated protein	NM_001045515 // NM_001164483	0.0009419836	3.90642
1425293	a at	Akna	AT-hook transcription factor	NM_001045514	0.0010263	3.9022
1421168	a at	Abcg3	ATP-binding cassette, sub-family G (WHITE), member 3	NM_03239	0.00163621	3.89096
1421366	a at	Clec5a	C-type lectin domain family 5, member a	NM_001033604 // NM_021364	0.000252525	3.889012
1444040	a at	Lair1	leukocyte-associated Ig-like receptor 1	NM_001113474 // NM_178611	0.0009164315	3.88849
1439773	a at	Ly6e	lymphocyte antigen 6 complex, locus E	NM_001164036 // NM_001164037 // NM_001164038 // NM_001164039 // NM_001164040	0.000267075	3.879
1449227	a at	Ch25h	cholesterol 25-hydroxylase	NM_098980	0.000438518	3.87157
1440914	s at	Atpf	atpase, mitochondrial	NM_001255203 // NM_181411	0.00498135	3.86954
1450718	a at	Sh2b2	SH2B adaptor protein 2	NM_018825	0.000217971	3.86921
1418980	a at	Cnp	2'-3'-cyclic nucleotide 3' phosphodiesterase	NM_001163518 // NM_009923	0.000230383	3.86901
1425519	a at	Cd74	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II and III)	NM_001042605 // NM_010545	0.000452433	3.86871
1444283	a at	Giamp7	GTPase, IMAP family member 7	NM_146167	0.000816253	3.86645
1423235	a at	Epst1	epithelial stromal interaction 1 (breast)	NM_029495 // NM_178825	0.00861266	3.86431
1451821	a at	Sp100	nuclear antigen Sp100	NM_013673	0.00137803	3.86319
1436334	a at	Syv1	synaptotagmin 1	NM_001045515 // NM_001164483	0.0004995	3.86281
1455741	a at	Ece1	endothelin converting enzyme 1	NM_199307	0.00127078	3.86951
1442219	a at	Gm8369	predicted gene 8369	NM_001164202	0.000554027	3.86901
1436212	a at	Tmem71	transmembrane protein 71	NM_172514	0.00015109	3.8537
1434856	a at	Ankr044	ankyrin repeat domain 44	NM_001084143	0.00143966	3.85363
1451775	s at	Il13ra1	interleukin 13 receptor, alpha 1	NM_133990	0.000105362	3.85141
1420361	a at	Slc11a1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	NM_013612	0.00130048	3.84524
1455660	a at	Csf2rb	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	NM_007780	0.000491324	3.84199
1438968	x at	Spin2	serine protease inhibitor, kunitz type 2	NM_001082548 // NM_00114646	0.0004043814	3.84178
1455251	a at	Itga1	integrin alpha 1	NM_001033228	0.00104923	3.83338
1419135	a at	Ltb	lymphotoxin B	NM_008518	0.000427893	3.82973
1419900	a at	Hfdg	hydroxyprostaglandin dehydrogenase 15 (NAD)	NM_008278	0.00129073	3.82502
1436199	a at	Trim14	tripartite motif-containing 14	NM_029077	0.00368533	3.82368
144715	a at	1600014C10Rik	RIKEN cDNA 1600014C10 gene	NM_001085385 // NM_028166	6.26E-05	3.8228
1460188	a at	Ptnp6	protein tyrosine phosphatase, non-receptor type 6	NM_001077705 // NM_013545	6.32E-05	3.82011
1428959	a at	Tespa1	lysosome-expressed positive selection associated 1	NM_183264	0.000416494	3.81941
1425749	a at	Stxbp6	syntaxin binding protein 6 (amysyn)	NM_144552	0.000323247	3.81895
1423768	a at	Unc93b1	unc-93 homolog B1 (C. elegans)	NM_001161428 // NM_019449	7.16E-05	3.81863
1445068	a at	Malt1	mucosa associated lymphoid tissue lymphoma translocation gene 1	NM_172833	0.000165632	3.81612
1451941	a at	Fgr2b	Fc receptor, IgG, low affinity IIb	NM_001077189 // NM_010187	0.0008857	3.81593
1431074	a at	Pitpc1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.000112232	3.81498
1419872	a at	Csf1r	colony stimulating factor 1 receptor	NM_001037859 // NM_007779	7.25E-05	3.81372
1429954	a at	Clec4a3	C-type lectin domain family 4, member a3	NM_001204241 // NM_153197	0.000363098	3.81215
1439586	a at	Rp2h	retinitis pigmentosa 2 homolog B (human)	NM_130760	0.00489637	3.81017
1424728	a at	Gm12185	predicted gene 12185	NM_001045540	3.63E-05	3.80356
1444748	a at	Plek	pleckstrin	NM_019549	0.000372558	3.80968
1420970	a at	Adc7	adenylyl cyclase 7	NM_001037723 // NM_001037724 // NM_001109756 // NM_007406	0.000253628	3.79478
1417120	a at	Gm3	cell adhesion kinase, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease)	NM_001143311 // NM_009907	0.00311097	3.79336
1416225	a at	Serp1	serine (or cysteine) peptidase inhibitor, clade G, member 1	NM_097776	0.000311097	3.79236
1449123	s at	Tfb1	transforming growth factor, beta induced	NM_009369	0.0004953302	3.78928
1456014	a at	Fermt3	fermitin family homolog 3 (Drosophila)	NM_153795	5.02E-05	3.78919
1418747	a at	Stf61	SFV7 proviral integration 1	NM_011355	0.000144058	3.78716
1459386	a at	Zfp709	zinc finger protein 709	NM_145624	0.000282935	3.78564
1438052	a at	A130071D04Rik	RIKEN cDNA A130071D04 gene	---	0.000442343	3.7852
1416982	a at	Foxo1	forkhead box O1	NM_019739	0.000585349	3.78705
1450267	a at	Tir8	toll-like receptor 8	NM_133212	0.000296139	3.77326
1429617	a at	Cyld	cylindromatosis (turban tumor syndrome)	NM_001128169 // NM_001128170 // NM_001128171 // NM_001276279 // NM_173369	0.000637685	3.77283
1451525	a at	Acap1	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	NM_153788	0.000195728	3.77228
1433693	a at	Tnfaip3	tumor necrosis factor, alpha-induced protein 3	NM_001166402 // NM_009397	0.000653397	3.76813
1418546	a at	Stambp1	STAM binding protein like 1	NM_029682	0.0001443342	3.76813
1448407	a at	4632428N05Rik	RIKEN cDNA 4632428N05 gene	NM_001159572 // NM_028732	0.00160175	3.76706
1440300	a at	Vav1	vav 1 oncogene	NM_001163815 // NM_001163816 // NM_011691	0.000350404	3.76181
1440454	a at	Gsap	gamma-secretase activating protein	NM_175437	0.000970322	3.75933
1419098	a at	Stom	stomatin	NM_013515	0.000281298	3.75582
1456890	a at	Ddx58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	NM_172689	0.000658662	3.74621
1424354	a at	Tmem140	transmembrane protein 140	NM_197986	1.68E-05	3.74546
1420699	a at	Clec7a	C-type lectin domain family 7, member a	NM_020008	0.000184378	3.74543
1416897	a at	Parp9	poly (ADP-ribose) polymerase family, member 9	NM_030253	6.11E-05	3.74492
1443027	a at	---	---	0.00388319	3.74308	
1425405	a at	Adar	adenosine deaminase, RNA-specific	NM_001038587 // NM_001146296 // NM_019655	0.000151703	3.74218
1447337	a at	---	---	0.0050066	3.73936	
1422134	a at	Fosb	FBJ osteosarcoma oncogene B	NM_008036	0.0016659	3.73828
1450167	a at	Rab37	member of RAS oncogene family	NM_001163753 // NM_021411	0.000919925	3.73656
1416713	a at	Tppp3	tubulin polymerization-promoting protein family member 3	NM_026481	0.00102659	3.73395
1423569	a at	Gatm	glycine amidinotransferase (L-arginine/glycine amidinotransferase)	NM_025961	0.00585265	3.73204
1450764	a at					

1448576_at	Il7r	interleukin 7 receptor	NM_008372	0.00193121	3.69445
1438169_a_at	Frm4d4b	FERM domain containing 4B	NM_145148	0.000921418	3.69191
1436437_a_at	Fms	FMS-like tyrosine kinase	NM_0020228	0.000930556	3.69093
1452431_s_at	H2-Aa	histocompatibility 2, class II antigen A, alpha	NM_0100778	0.000926864	3.69094
1434433_x_at	Adom2b	adomatin A2b receptor	NM_0077413	0.001145377	3.68711
1436051_at	4930496L24Rik	RIKEN cDNA 4930496L24 gene	NM_178036	0.001036368	3.68479
1452388_at	Hspa1a	heat shock protein 1A	NM_010479	0.000944755	3.68311
1418265_s_at	Irf9	interferon regulatory factor 2	NM_008391	6.18E-05	3.68127
1426172_a_at	Cd209a	CD209a antigen	NM_133238	0.000722201	3.6775
1458703_at	---	---	---	0.000152917	3.67653
1426415_a_at	Trim25	tripartite motif-containing 25	NM_009546	0.000918439	3.675
1425435_at	Mer1	macrophage scavenger receptor 1	NM_001113326 /// NM_031195	0.00222744	3.67399
1420671_x_at	Mca44c	membrane spanning 4-domains, subfamily A, member 4C	NM_028499	7.70E-05	3.67183
1446509_at	Smxo	semiprime oxidase	NM_001177833 /// NM_001177834 /// NM_001177835 /// NM_001177836 /// NM_001177837	0.0009761182	3.66262
1437589_x_at	Zgapat	zinc finger, CCCH-type with G patch domain	NM_001048148 /// NM_144894	4.11E-05	3.66247
1421065_at	Jak2	Janus kinase 2	NM_001048177 /// NM_008413	0.0009110725	3.66154
1436608_at	Pced1b	PC-estererase domain containing 1B	NM_172293	0.0009435787	3.65785
1452948_at	Tofaf8l2	tumor necrosis factor, alpha-induced protein 8-like 2	NM_027206	0.00110842	3.65779
1424560_at	Pstpl1	protein-serine/threonine phosphatase-interacting protein 1	NM_011193	0.0009167713	3.65706
1420407_at	Ltb4r1	leukotriene B4 receptor 1	NM_008519	3.15E-05	3.65605
1434268_at	Adar	adenosine deaminase, RNA-specific	NM_001038587 /// NM_001146296 /// NM_019655	1.57E-06	3.6524
1420643_at	Lfng	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	NM_008494	0.0009224268	3.65054
1424269_at	Trim5	tripartite motif-containing 5	XM_992714	0.0009034317	3.64863
1428077_at	Tmem163	transmembrane protein 163	NM_028135	0.0009762459	3.64743
1424211_at	---	---	---	0.00168439	3.64448
1437356_at	Gpr183	G protein-coupled receptor 183	NM_183031	0.0009232955	3.63594
1419603_at	Ifi204	interferon activated gene 204	NM_008329	2.47E-05	3.63296
1424857_a_at	Trim34a	tripartite motif-containing 34A	NM_030684	0.00104533	3.63268
1435955_at	Siglec	sialic acid binding Ig-like lectin G	NM_172900	0.000675205	3.63222
1433815_at	Jakmip1	janus kinase and microtubule interacting protein 1	NM_178394	0.002031113	3.63069
1418751_at	Sit1	suppression inducing transmembrane adaptor 1	NM_019436	0.0009196463	3.62881
1449131_s_at	Cd1d1	Cd1d1 antigen	NM_007639	0.000471986	3.62703
1436512_at	Arl4c	ADP-ribosylation factor-like 4C	NM_177305	0.00017047	3.62538
1425451_s_at	Ch33 / Ch34	chitinase 3-like 3 // chitinase 3-like 4	NM_009892 /// NM_145126	0.00143605	3.62487
1449156_at	Ly9	lymphocyte antigen 9	NM_001277968 /// NM_008534 // NR_102726	0.00795872	3.62428
1439343_at	---	---	---	0.00282507	3.62052
1451644_a_at	H2-Q4 // H2-Q6	histocompatibility 2, Q region locus 4 // histocompatibility 2, Q region locus 6 // h	NM_001143689 /// NM_023124 // NM_207648 /// XM_03085179 // XM_003688944 // XM	2.45E-05	3.61919
1444937_at	---	---	---	0.00163058	3.6174
1424832_at	Cd300ld	CD300 molecule-like family member d	NM_145437	0.00713906	3.61507
1434653_at	Ptk2b	PTK2 protein tyrosine kinase 2 beta	NM_001162365 /// NM_001162366 /// NM_172498	0.000241199	3.61287
1439067_at	Lair1	leukocyte-associated Ig-like receptor 1	NM_001113474 /// NM_178611	0.00247996	3.61241
1428736_at	Gramd3	GRAM domain containing 3	NM_026240	9.44E-05	3.61196
1439842_at	Zfp287	zinc finger protein 287	NM_133208	0.00136164	3.61159
1417228_at	Capn1	capain 1	NM_00110504 // NM_07600	0.000489113	3.60832
1431095_a_at	Her6	hect domain and RLD 6	NM_025992 // NM_028861	0.00131084	3.60704
1456669_at	Ptpn6	protein tyrosine phosphatase, non-receptor type 6	NM_00777705 // NM_013545	2.45E-05	3.605
1416827_at	Tbxas1	thromboxane A synthase 1, platelet	NM_145459	5.89E-05	3.60471
1422901_at	Nm23h1	nucleolar factor of activated T cells, cytoplasmic, calcineurin dependent 1	NM_001164109 /// NM_001164110 // NM_001164111 // NM_016791 // NM_016792	0.000498963	3.60376
1428547_at	Nt5cp	S-nitroso- $\omega$ -acetate ester	NM_011851	0.000494792	3.60151
1434330_at	Mxd1	MAX dimerization protein 1	NM_017051	0.0005020044	3.59997
1434774_at	Rhbd2	rhomboid 2 (Drosophila)	NM_001167680 // NM_172572	0.000273335	3.59765
1431339_a_at	Efd3	EF-hand domain containing 3	NM_025994	0.000232374	3.59623
1455263_at	Laco1	laccase (multicopper oxido-reductase) domain containing 1	NM_172488	0.000219001	3.59062
1457753_at	Tir13	toll-like receptor 13	NM_205820	0.00274791	3.58845
1416893_at	Fam107b	family with sequence similarity 107, member B	NM_025626	0.00087902	3.58654
1416892_at	Fam107b	family with sequence similarity 107, member B	NM_025626	0.00123086	3.58662
1460242_at	Cd55	CD55 antigen	NM_010016	0.00619562	3.58579
1433803_at	Jak1	Janus kinase 1	NM_146145	5.26E-05	3.58642
1421936_at	Dapp1	dual adaptor for phosphotyrosine and 3-phosphoinositides 1	NM_011932	0.00316601	3.58628
1417470_at	Apobec3	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3	NM_001160415 // NM_030255	0.000901327	3.586049
1457167_at	Med14	mediator complex subunit 14	NM_001042808 // NM_012005	2.74E-06	3.58037
1441969_at	Trim36	tripartite motif-containing 36	NM_001170855 // NM_178872	9.63E-05	3.54766
1445680_x_at	F2r2	cogulation factor II (thrombin) receptor-like 2	NM_010170	0.00074562	3.53895
1426818_at	Arrdc4	arrestin domain containing 4	NM_001042592 // NM_025549	0.000507874	3.53647
1442003_at	Diap2	diaphanous homolog 2 (Drosophila)	NM_017398 // NM_172493	0.00311072	3.53531
1448651_at	Ncf2	neutrophil cytosolic factor 2	NM_010877	0.000270872	3.53204
1448666_at	Il16	interleukin 16	NM_010551	0.000270473	3.53108
1450997_at	St17b	serine/threonine kinase 17b (apoptosis-inducing)	NM_13810	0.000152425	3.53002
1431501_at	1700037C18Rik	RIKEN cDNA 1700037C18 gene	NM_028484	0.000840815	3.52746
1443247_at	---	---	---	0.000438913	3.52462
1452487_x_at	Pira1 // Pira2	paired-Ig-like receptor A1 // paired-Ig-like receptor A2	NM_011087 // NM_011089 // XM_03946213	0.00149453	3.52274
1437304_at	Cblb	Casitas B-lineage lymphoma b	NM_001033238	0.00132276	3.52127
1440284_at	---	---	---	0.000692469	3.51628
1425406_at	Clec4a2	C-type lectin domain family 4, member a2	NM_001170332 // NM_01170333 // NM_011999	0.00103245	3.51531
1443885_at	---	---	---	0.000113778	3.51207
1445882_at	Cd300lb	CD300 antigen like family member B	NM_001037138 // NM_199221	0.000444384	3.50667
1448580_at	Rtp4	receptor transporter protein 4	NM_023386	3.51E-05	3.50291
1448728_at	Nrbk2	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, zeta	NM_001159394 // NM_001159395 // NM_030612	0.000864593	3.50215
1452803_at	Glip2	GLI pathogenesis-related 2	NM_027450	0.00110185	3.50184
1426603_at	Rnasel	ribonuclease L (2', 5'-oligo)adenylyl synthetase-dependent	NM_011862	0.000737909	3.49948
1459794_at	---	---	---	0.0020771	3.49841
1426884_s_at	Fam102a	family with sequence similarity 102, member A	NM_153580	8.22E-05	3.49809
1439273_at	Rck1	receptor (TNFRSF) interacting serine/threonine kinase 1	NM_008068	0.000253362	3.49701
1439153_at	Rnf144b	leukocyte protein 144B	NM_01170643 // NM_146042	0.000497353	3.49658
1432206_at	4930495C07Rik	RIKEN cDNA 4930495C07 gene	---	0.00102454	3.49569
1446901_at	Ncf1	NECF2 banding protein 1	NM_030525	0.000774714	3.49144
1422115_at	F13l // Rpl13a	FMS-like tyrosine kinase 3 ligand // ribosomal protein L13A	NM_009438 // NM_013520 // NR_102725	0.000491638	3.49019
1437636_at	Pyd4	pyrin domain containing 4	NM_001033384 // NM_001177349 // NM_001177350	0.000116588	3.48799
1416909_at	Cort1	chemokine (C-C motif) receptor 1	NM_099133	0.000137133	3.48709
1418944_at	Cyslr1	cysteinyl leukotriene receptor 1	NM_021476	0.00387661	3.48265
1418322_at	Crem	cAMP responsive element modulator	NM_001110850 // NM_001110851 // NM_001110852 // NM_001110853 // NM_001110854	0.001010136	3.47761
1456563_at	---	---	---	0.00164599	3.47616
1451615_at	Sifn2	schlaifer 2	NM_011408	0.000159844	3.47493
1450454_at	Tor3a	torin family 3, member A	NM_023141	0.00057984	3.47418
1456678_at	---	---	---	0.0082866	3.47366
1436195_at	C030046G05	uncharacterized protein C030046G05	---	0.00017593	3.47208
1444311_at	Arhgap25	Rho GTPase activating protein 25	NM_001037727 // NM_175476	0.000432596	3.46748
1415997_at	Txnip	thioredoxin interacting protein	NM_0100935 // NM_023719	0.00182645	3.46497
1442786_s_at	Rufy3	RUN and FYVE domain containing 3	NM_027530	4.54E-06	3.46265
1424122_at	AI451458	expressed sequence AI451458	---	0.00405345	3.46206
1437072_at	Arhgap25	Rho GTPase activating protein 25	NM_001037727 // NM_175476	0.000446626	3.45613
1426165_at	Casp3	caspase 3	NM_009810	0.000363566	3.45595
1453757_at	Herc6	hect domain and RLD 6	NM_025992 // NM_028861	0.00185108	3.44877
1449015_at	Retna	resistin like alpha	NM_020509	0.00392431	3.44265
1420067_at	Cd160	CD160 antigen	NM_001163496 // NM_001163497 // NM_018767	0.000154356	3.43999
1456250_x_at	Tgfb1	transforming growth factor, beta induced	NM_009369	0.00170679	3.43907
1432826_a_at	Cd80	CD80 antigen	NM_09855	0.002628008	3.43748
1420993_at	B3gn5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	NM_001159407 // NM_001159408 // NM_054052	0.000748021	3.43667
1427165_at	Il13ra1	interleukin 13 receptor, alpha 1	NM_133990	0.0013717	3.43604
1448939_at	Usp25	ubiquitin specific peptidase 25	NM_013918	0.00360075	3.43547
1455606_at	N4bp1	NEDD4 binding protein 1	NM_030563	0.000474975	3.42998
1453839_at	P116	peptidase inhibitor 16	NM_023734	0.00440884	3.42562
1444128_at	Arhgap26	Rho GTPase activating protein 26	NM_175164	0.00191215	3.42425
1428025_s_at	Pitpnc1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.0006686371	3.42242
1433722_at	Akapi13	A kinase (PRKA) anchor protein 13	NM_029332	0.000492361	3.41953
1448377_at	Sipi	secretory leukocyte peptidase inhibitor	NM_011414	0.00618138	3.41852
1451798_at	Il1frn	interleukin 1 receptor antagonist	NM_001039701 // NM_001159562 // NM_031167	0.000628816	3.41796
1424142_a_at	Anpep	alanyl (membrane) amino-peptidase	NM_008486	0.00106903	3.41481
1420437_at	Ido1	indoleamine 2,3-dioxygenase 1	NM_008324	0.000207361	3.41149
1458788_at	---	---	---	0.000131807	3.41082
1449143_at	Rtp4	receptor transporter protein 4	NM_023386	0.00160017	3.41042
1421408_at	Igsf6	immunoglobulin superfamily, member 6	NM_030691	0.000351507	3.40947
1419334_at	Cita4	cytotoxic T-lymphocyte-associated protein 4	NM_009843	0.000908128	3.40917
1426883_at	Sic25a45	solute carrier family 25, member 45	NM_136154	0.000146939	3.40863
1418911_s_at	Acsd4	acyl-CoA synthetase long-chain family member 4	NM_001033600 // NM_019477 // NM_207625	0.000531919	3.40747
1460469_at	Tnfrsf	tumor necrosis factor receptor superfamily, member 9	NM_001077508 // NM_001077509 // NM_011612	0.000216969	3.40166
1435208_at	Dtx3	deftex 3-like (Drosophila)	NM_001013371	0.00023244	3.3975
1421642_a_at	Cysltr2	cysteinyl leukotriene receptor 2	NM_001162412 // NM_133720	0.00221529	3.39625

1455837	at	Trim36	tripartite motif-containing 36	NM_001170855 // NM_178872	0.000680614	3.30327
1433471	at	Tcf7	transcription factor 7, T cell specific	NM_009351	0.00571641	3.35147
145875	at	Parvg	parvin, gamma	NM_001162500 // NM_022321	0.00123054	3.38923
1453289	at	Ago4	argonaute RISC catalytic subunit 4	NM_153177	0.0065881	3.38952
1445960	at	Gata1	—	—	0.00705166	3.38877
1445960	at	Gata1	GATA binding protein 1	NM_008089	0.00705169	3.38867
1442922	at	Cyslt1r	cysteinyl leukotriene receptor 1	NM_021476	0.0024768	3.38851
1436172	at	Gm20559	predicted gene_20559	XR_104969	0.000849528	3.38497
1410208	at	Mspk3b	mitogen-activated protein kinase kinase kinase 8	NM_007746	0.00231467	3.38444
1431299	a, at	Ppp1r18	protein phosphatase 1, regulatory subunit 18	NM_001146710 // NM_001146711 // NM_175242	4.76E-05	3.3838
1428484	a, at	Osbp3	oxysterol binding protein-like 3	NM_001163645 // NM_027881	0.00090379	3.38319
144102	at	Gm13012	predicted gene_13012	XR_168837 // XR_168838	0.00150648	3.3824
1456453	at	—	—	—	0.009911077	3.38232
1422530	at	Pph	peripherin	NM_001163588 // NM_001163589 // NM_013639	0.000178333	3.38159
1440343	at	Res6ka5	ribosomal protein S6 kinase, polypeptide 5	NM_153597	0.00043391	3.38121
1429190	at	Arsb	arylsulfatase B	NM_009712	0.0068805	3.37957
1448167	at	Infrg1	interferon gamma receptor 1	NM_010511	6.01E-05	3.37844
1427746	x, at	H2-K1 // LOC101924220	histocompatibility 2, K1, K region // h-2 class I histocompatibility antigen, K-D alpha	NM_00113326 // NM_031195	4.91E-05	3.37692
1425434	a, at	Msr1	macrophage scavenger receptor 1	NM_001113326 // NM_031195	0.000153527	3.37669
1417804	at	Rasrp2	RAS, guanyl releasing protein 2	NM_011242	0.000860626	3.37651
1450322	s, at	Sifn3 // Sifn4	schlafen 3 // schlafen 4	NM_011409 // NM_011410	0.00266228	3.37385
1458608	at	—	—	—	0.00103526	3.37291
1425214	at	P2ry6	pyrimidinergic receptor P2Y6, G-protein coupled, 6	NM_183168	0.000615323	3.37196
1451716	at	Marf	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)	NM_010658	0.00286451	3.3703
1449516	a, at	Rgs3	regulator of G-protein signaling 3	NM_001081650 // NM_019492 // NM_134257	0.000328789	3.3672
1447070	at	Cyp4v3	cytochrome P450, family 4, subfamily v, polypeptide 3	NM_133969	0.00364638	3.36285
1416459	at	Arl2	ADP-ribosylation factor 2	NM_007477	0.00251782	3.35961
146070	at	Stat3	signal transducer and activator of transcription 3	NM_011486 // NM_213659 // NM_213660	0.000211175	3.35868
1450241	a, at	Evi2a	ectotropic viral integration site 2a	NM_00103371 // NM_010161	0.000325257	3.35645
1433965	at	Atp8a1	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	NM_001038999 // NM_009727	0.000281958	3.35545
1427683	at	Egr2	early growth response 2	NM_010118	0.00267209	3.35151
1453892	at	A930007119Rik	RIKEN cDNA A930007119 gene	NR_015567	0.000487559	3.34743
1449456	a, at	Cma1	chymase 1, mast cell	NM_010780	0.00419154	3.34707
1435476	a, at	Fcgcr2b	Fc receptor, IgG, low affinity IIb	NM_001077189 // NM_010187	0.000308239	3.34364
1427103	at	Plekho2	pleckstrin homology domain containing, family O member 2	NM_153119	0.000627302	3.34036
1420351	at	Tnfrsf1	tumor necrosis factor receptor superfamily, member 4	NM_011659	7.34E-05	3.33871
1423996	a, at	Il1ra	interleukin 4 receptor, alpha	NM_001008700 // NM_010557	0.000144481	3.33799
1455220	at	Fraf2	frequently rearranged in advanced T cell lymphomas 2	NM_177603	0.000815765	3.33748
1455435	s, at	Chdh	cholin dehydrogenase	NM_001136240 // NM_172264 // NM_175343	0.00753136	3.33465
1453782	a, at	Ankr33b	ankyrin repeat domain 33B	NM_001124441 // NM_026153 // NM_027496	0.00646946	3.33312
1460204	at	Tec	protein tyrosine kinase	NM_001113460 // NM_001113461 // NM_001113464 // NM_013689	0.00033248	3.33034
1419193	a, at	Gm9835 // Gm9835	predicted pseudogene 9835 // gila maturation factor, gamma	NM_001039192 // NM_022024 // XM_001473951 // XM_003086510	6.52E-05	3.32633
1418539	a, at	Ptpre	protein tyrosine phosphatase, receptor type, E	NM_011212	0.00350891	3.32409
1408665	at	Er22a2	eukaryotic translation initiation factor 2-alpha kinase 2	NM_011163	3.91E-05	3.32295
1426334	a, at	Bcl211	BCL2-like 11 (apoptosis facilitator)	NM_009754 // NM_207680 // NM_207681	0.00204769	3.32321
1448632	at	Pmp10	proteasome (prosome, macropain) subunit, beta type 10	NM_011040	1.04E-06	3.32202
141706	a, at	Atp1a7	ATPase, Na+K+ transporting, alpha 7 polypeptide	NM_011201	4.48E-05	3.32196
1424219	at	Adoc2a	adocytidine A2a receptor	NM_009230	0.001902268	3.31469
1450141	at	Abcg3	ATP-binding cassette, sub-family G (WHITE), member 3	NM_032039	0.00458336	3.31408
1434867	at	Slc4611	solute carrier family 4, sodium bicarbonate transporter-like, member 11	NM_01081162	0.001003023	3.30944
1422668	at	Serpinb8b	serine (or cysteine) peptidase inhibitor, clade B, member 9b	NM_011452	0.00199954	3.30938
1456235	at	B9166325	expressed sequence B9166325	—	0.00042374	3.30847
1428786	at	Nckap11	NCK associated protein 1 like	NM_153505	0.00058239	3.30568
1427481	a, at	Atp1a3	ATPase, Na+K+ transporting, alpha 3 polypeptide	NM_144921	3.28E-05	3.30451
1435375	at	Fam105a	family with sequence similarity 105, member A	NM_001242423 // NM_001242424 // NM_198301	0.000306361	3.30364
1436905	x, at	Laptm5	lysosomal-associated protein transmembrane 5	NM_010686	0.000254018	3.29979
1441887	x, at	Gm3377	predicted gene 6377	NM_001037917	0.000878639	3.29676
1419032	at	D6K1018G03Rik	RIKEN cDNA D6K1018G03 gene	NM_133729	0.000488003	3.29469
1429684	at	Tpal	topopherol (alpha) transfer protein-like	NM_029512 // NM_181734	0.000309151	3.29355
1455518	at	Zdhhc18	zinc finger, DHHC domain-containing 18	NM_001017966	0.000196044	3.29328
1427477	at	Tmrpss13	transmembrane protease, serine 13	NM_0010113373	0.00190763	3.29299
1421095	at	Stap1	signal transducing adaptor family member 1	NM_019992	0.00387935	3.29216
1440878	at	Runx1	runt related transcription factor 1	NM_00111021 // NM_00111022 // NM_00111023 // NM_009821	0.000998265	3.29124
1450459	at	Spp12a	signal peptide peptidase like 2A	NM_023220	0.00108731	3.29082
1449991	at	Cd244	CD244 natural killer cell receptor 2B4	NM_018729	0.00014476	3.28886
1455500	at	Rnf213	ring finger protein 213	NM_001040005 // XM_01476651 // XM_01477846	5.38E-05	3.28698
1428279	a, at	Atxn71	ataxin 7-like 1	NM_001033436 // NM_028139	0.000327773	3.28548
1457809	at	Kat2b	K(lysine) acetyltransferase 2B	NM_001190846 // NM_020005	0.00086827	3.2809
1454788	at	Arl4c	ADP-ribosylation factor-like 4C	NM_177305	0.000391828	3.28079
1434450	s, at	Adrb2	adrenergic receptor kinase, beta 2	NM_001035531 // NM_177078	0.00115145	3.27997
1426680	at	Cds1	CDP-diacylglycerol synthase 1	NM_173370	0.000346068	3.2795
1418191	a, at	Usp18	ubiquitin specific peptidase 18	NM_011909	9.55E-05	3.27948
1445452	at	Traf1	TNF receptor-associated factor 1	NM_009421	0.00172617	3.27937
1450377	at	Thbs1	thrombospondin 1	NM_011580	0.00325922	3.27739
1443858	at	Trim12c	tripartite motif-containing 12C	NM_001146007 // NM_175677	0.00106102	3.27489
1451458	at	Tmem2	transmembrane protein 2	NM_001033759 // NM_031997	0.00349451	3.27333
1436899	at	Zfusp	zinc finger with UFM1-specific peptidase domain	NM_028287	1.93E-05	3.27326
1418744	s, at	Tesc	tescanin	NM_021344	0.000544381	3.27024
1451206	s, at	Cytlp	cytosin 1 interacting protein	NM_139200	0.000778934	3.26678
1431774	a, at	Lyrm1	LYRM motif containing 1	NM_029610	0.000203826	3.26475
1437341	x, at	Cnp	2',3'-cyclic nucleotide 3' phosphodiesterase	NM_001146318 // NM_009923	0.000683451	3.26342
1418163	at	Tir4	toll-like receptor 4	NM_021297	0.000779014	3.26104
1436562	at	Dox58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	NM_172689	0.000559513	3.26021
1457445	at	Trps1	trichorhinophalangeal syndrome I (human)	NM_032000	0.00207764	3.25964
1428787	at	Nckap11	NCK associated protein 1 like	NM_153505	0.000580916	3.25701
1424254	at	Ifitm1	interferon induced transmembrane protein 1	NM_001127125 // NM_026820	0.000459121	3.25501
1424444	at	Asb13	ankyrin repeat and SOCS box-containing 13	NM_001085385 // NM_028166	0.000487088	3.25451
1422786	at	Slc30a1	solute carrier family 30 (zinc transporter), member 1	NM_009579	6.72E-05	3.25277
1424049	at	Gch1	GTP cyclohydrolase 1	NM_009502	3.79E-05	3.25172
1424927	at	Glipr1	GLI pathogenesis-related 1 (glioma)	NM_028808	7.74E-05	3.25154
1456058	at	Elmo2	engulfment and cell motility 2	NM_080287 // NM_207705 // NM_207706	0.000225912	3.24924
1435859	at	—	—	—	0.000302536	3.24905
1422623	at	Msr1	macrophage scavenger receptor 1	NM_001113326 // NM_031195	0.000352739	3.24819
1451518	at	Zfp709	zinc finger protein 709	NM_145624	0.000616984	3.24388
1406220	at	Zfp592	zinc finger protein 592	NM_178707	0.000913469	3.24069
1437514	at	B430306N03Rik	RIKEN cDNA B430306N03 gene	NM_177083	0.00156214	3.23835
1452519	s, at	Zfp36	zinc finger protein 36	NM_0117566	0.000609586	3.23553
1439713	at	Igfa1	integrin alpha 1	NM_001033228	0.000964083	3.23452
1450403	at	Stat2	signal transducer and activator of transcription 2	NM_019963	8.36E-05	3.23447
1435925	at	Gt2	G-protein-coupled receptor kinase-interactor 2	NM_01077359 // NM_01077360 // NM_019834	0.00432388	3.23377
1419696	at	Cd4	CD4 antigen	NM_013488	0.000321517	3.23324
1425784	at	Olfm1	olfactomedin 1	NM_001038612 // NM_001038613 // NM_001038614 // NM_019498	0.00020189	3.23125
1419221	at	Ros14	regulator of G-protein signaling 14	NM_016758	5.41E-05	3.23121
1419401	at	Asb13	ankyrin repeat and SOCS box-containing 13	NM_00127724 // NM_178283	0.00912774	3.22877
1426249	at	Adrb1	adrenergic receptor kinase, beta 1	NM_130863	0.00104914	3.22638
1444179	at	Trim30b	tripartite motif-containing 30B	NM_175648	0.00293346	3.22266
1431749	a, at	Rasrp1	RAS guanyl releasing protein 1	NM_011246	0.00024629	3.21858
1453386	at	Tusc1	tumor suppressor candidate 1	NM_026954	0.0016459	3.21707
1430030	at	P530426P16Rik	RIKEN cDNA P530426P16 gene	NM_028300	0.001013	3.21456
1439247	at	Dock10	decorin of cytokines 10	NM_175291	0.00423999	3.21429
1451683	x, at	H2-D1	histocompatibility 2, D region locus 1	NM_010380	7.70E-05	3.21342
1444484	at	A130009E19Rik	RIKEN cDNA A130009E19 gene	—	0.000191838	3.20135
1427752	a, at	Torb-j	T cell receptor beta, joining region	—	0.0016331	3.20123
1425137	a, at	H2-D10	histocompatibility 2, D region locus 10	NM_010391	0.00561495	3.19983
1434388	at	Mob3a	MOB kinase activator 3A	NM_172457	0.00184204	3.19861
1419764	at	Ch313	chitinase 3-like 3	NM_009892	0.000470475	3.19846
1419537	at	Tfec	transcription factor EC	NM_031198	0.00272021	3.19413
1436590	at	Ppp1r3b	protein phosphatase 1, regulatory (inhibitor) subunit 3B	NM_177741	0.00251472	3.19294
1417963	at	Ptp	phospholipid transfer protein	NM_011125	0.00128142	3.19134
1429104	at	Lim2d // LOCC63	LIM domain containing 2 // LIM domain-containing protein 2-like	NM_172397 // XM		

1455704_at	Xkr6	X Kell blood group precursor related family member 8 homolog	NM_201368	1.17E-05	3.15341
1454824_s_at	Mits1	mitochondrial inner membrane suppressor 1	NM_001005863 // NM_001005864 // NM_001005865	0.00487255	3.15292
1424948_x_at	H2-D1 // H2-K1	histocompatibility 2, D region locus 1 // histocompatibility 2, K1, K region // h-2	NM_001005892 // NM_010380 // XM_003945730 // XM_003945731 // XM_003945732 //	6.79E-05	3.15111
1427301_at	Cd46	CD46 antigen	NM_007649	0.004145248	3.14955
1416934_at	Cxcl10	chemokine (C-X-C motif) ligand 10	NM_021274	1.6E-05	3.14955
1426396_at	Evi2a // Evi2a-e	ecotropic viral integration site 2a // Evi2a-Evi2b readthrough // ecotropic viral integrase	NM_001033711 // NM_001077496 // NM_010161 // NM_146023	0.000933892	3.14655
1440538_s_at	Gont1	glucosaminyl (N-acetyl) transferase 1, core 2	NM_001136484 // NM_010265 // NM_173442	0.000939117	3.14576
1456508_at	---	---	---	0.00160117	3.14564
1429195_at	Apol6	apolipoprotein L 6	NM_001163621 // NM_028010	0.000918258	3.14177
1452410_a_at	Fes	fehle sarcoma oncogene	NM_010194	0.00302258	3.14121
1437870_at	Sico4c1	solute carrier organic anion transporter family, member 4C1	NM_172658	0.0007170829	3.13995
1453304_s_at	Ly6e	lymphocyte antigen 6 complex, locus E	NM_001164036 // NM_001164037 // NM_001164038 // NM_001164039 // NM_001164040	0.000842081	3.13827
1447348_at	---	---	---	0.000471076	3.13694
1418045_at	Inpp1	inositol polyphosphate-1-phosphatase, receptor type 1	NM_008384	0.000301673	3.13255
1422124_a_at	Ptprc	protein tyrosine phosphatase, receptor type, C	NM_001111316 // NM_001268286 // NM_011210	0.0009337583	3.13224
1416250_at	Btg2	B cell translocation gene 2, anti-proliferative	NM_007570	0.00284658	3.13216
1419619_at	Krn80	keratin 80	NM_028770	0.0009574383	3.13185
1459920_at	---	---	---	0.000366951	3.13069
1434815_a_at	Mapkap3	mitogen-activated protein kinase-activated protein kinase 3	NM_178907	2.83E-05	3.13005
1430834_at	Gprin1	GPRIN family member 3	NM_183183	0.00203377	3.12986
1421920_a_at	Ccr9	chemokine (C-C motif) receptor 9	NM_001166625 // NM_009913	0.00217073	3.12845
1440879_at	Abcg9	ATP-binding cassette, subfamily A (ABC1), member 9	NM_147220	0.00331585	3.12795
1448160_at	Lcp1	lymphocyte cytosolic protein 1	NM_001247984 // NM_008879	0.000132409	3.12724
1430612_at	1810033B17Rik	RIKEN cDNA 1810033B17 gene	NM_026985	0.00510945	3.12437
1460177_at	Cndp2	CNDP dipeptidase 2 (metallopeptidase M20 family)	NM_023149	6.24E-05	3.1242
1435582_at	Wdfy4	WDFY repeat and FYVE domain containing 4	NM_001146022	0.000149454	3.12184
1421812_at	Tapbp1	TAP binding protein	NM_001025213 // NM_009318	0.000162195	3.12105
1425514_at	Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	NM_001024955 // NM_001077495	0.000168982	3.12056
1428750_at	Cdc42ep2	CDC42 effector protein (Rho GTPase binding) 2	NM_026772	0.000407795	3.12042
1448881_at	Hip	haptoglobin	NM_017370	0.00239236	3.12031
1427691_a_at	Ifnar2	interferon (alpha and beta) receptor 2	NM_001110498 // NM_010509	0.00181042	3.1183
1424759_at	Arred4	arrestin domain containing 4	NM_001042592 // NM_025549	0.000033075	3.11588
1436953_at	Wipf1	WAS/WASL interacting protein family, member 1	NM_151338	0.00169859	3.1156
1443830_at	Lgals3bp	lectin, galactoside-binding, soluble, 3 binding protein	NM_011150	0.000626702	3.11558
1427076_at	Mpeg1	macrophage expressed gene 1	NM_010821	0.00144497	3.11265
1433804_at	Jak1	Janus kinase 1	NM_146145	0.00188077	3.1118
1444588_at	---	---	---	0.000323483	3.11134
1448890_at	Klf2	Krueppel-like factor 2 (lung)	NM_008452	0.00088287	3.11131
1432997_at	5830462P14Rik	RIKEN cDNA 5830462P14 gene	---	0.00035622	3.11063
1437463_x_at	Tgfb1	transforming growth factor, beta induced	NM_009369	0.00100292	3.11033
1436003_at	Vcam1	vascular cell adhesion molecule 1	NM_011693	0.000429566	3.1076
1419194_s_at	Gm9835 // Gmtf	predicted pseudogene 9835 // gla maturation factor, gamma	NM_0010192 // NM_022024 // NM_001473951 // NM_003086510	0.000129768	3.10684
1435448_at	Bcl2111	BCL2-like 11 (apoptosis facilitator)	NM_009754 // NM_207680 // NM_207681	0.000330611	3.10639
1460689_at	Svfl	super villin	NM_151315 // NM_178046	0.005085	3.10127
1429292_a_at	Stc52a3	solute carrier family 52, member 3	NM_001164819 // NM_001164820 // NM_027172	0.000694477	3.09929
142730_at	Rps4y2	ribosomal protein S4, Y-linked 2	NM_025405 // NR_003634	4.84E-06	3.09924
1419474_at	Clecd2	C-type lectin domain family, member d	NM_057109	0.001451	3.09526
1451566_at	Gpr33	G protein-coupled receptor 33	NM_00181569	0.000491746	3.09171
1441197_at	Ran	Ran and Rab interactor 3	NM_171158	0.000460406	3.08454
1451114_at	Ctnn6	CFLK-like MARVEL transmembrane domain containing 6	NM_026036	0.00116747	3.08443
1455895_at	Amz21	archaeoelin family metallopeptidase 1	NM_173405	0.00142238	3.08317
1454271_at	Trim12c	tripartite motif-containing 125	NM_001146907 // NM_175677	0.000923476	3.08316
1425386_at	Ocstamp	osteoclast stimulatory transmembrane protein	NM_029021	0.000217889	3.08087
1440865_at	Ifitm6	interferon induced transmembrane protein 6	NM_001033632	0.000273934	3.08084
1423704_at	Plb2915	phospholipase A2, group XV	NM_133798	0.00135966	3.08776
1423792_a_at	Ctnn6	CFLK-like MARVEL transmembrane domain containing 6	NM_026036	0.0014851	3.08772
1456480_at	Fry	furry homolog (Drosophila)	NM_172887 // NM_178781	0.0012617	3.08677
1425025_at	Tmm106a	transmembrane protein 106A	NM_144830	0.001268	3.08663
1453585_at	1600010M7Rik	RIKEN cDNA 1600010M7 gene	NM_037959	0.00171659	3.08603
1452521_a_at	Pi4k	plasminogen activator, uridylyltransferase	NM_011113	0.00152778	3.08538
1444621_at	Iqsec2	IQ motif and Sec7 domain 2	NM_001005475 // NM_00114664	0.000432036	3.08498
1451474_a_at	Parp8	poly (ADP-ribose) polymerase family, member 8	NM_01081009 // NM_027272	0.000802831	3.08242
1439226_at	Dock8	dedicator of cytokinesis 8	NM_025992 // NM_175233	0.000601112	3.07984
1432026_a_at	Herc6	hect domain and RLD 6	NM_025992 // NM_028861	0.000170013	3.07492
1418451_at	Gng2	guanine nucleotide binding protein (G protein), gamma 2	NM_001038637 // NM_010315	0.000478296	3.07311
1434681_at	Rin3	Ran and Ran interactor 3	NM_00116365 // NM_177620	0.000967105	3.07218
1436405_at	Dock4	dedicator of cytokinesis 4	NM_172803	0.00228497	3.072
1426261_s_at	LOC100048662	UDP-glucuronosyltransferase 1-9-like // UDP-glucuronosyltransferase 1-8-like // UDP-glucuronosyltransferase 1-8-like // UDP-glucuronosyltransferase 1-9-like	NM_013701 // NM_145079 // NM_201410 // NM_201641 // NM_201642 // NM_201643 //	0.000590954	3.06636
1431961_at	Dock8	dedicator of cytokinesis 8	NM_028785 // NM_175233	0.00272874	3.06525
1417161_at	Cdk2ap2	CDK2-associated protein 2	NM_026373	0.000349488	3.065
1427849_at	LOC665506	T-cell receptor beta-2 chain C region-like	NM_977361	0.00100866	3.06078
1457222_at	Creb5	cAMP responsive element binding protein 5	NM_172728	0.000177836	3.06007
1448575_at	Il7r	interleukin 7 receptor	NM_008372	0.00160442	3.0572
1450731_s_at	Trfrf21	tumor necrosis factor receptor superfamily, member 21	NM_178589	0.000810254	3.05547
1453179_at	Acer3	alkaline ceramidase 3	NM_025408	0.000300517	3.0547
1451353_at	Tmfsf1	transmembrane 6 superfamily member 1	NM_145375	0.00172206	3.05319
1425269_at	Apbb1p	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	NM_019456	0.000993648	3.05262
1438037_at	Herc6	hect domain and RLD 6	NM_025992 // NM_028861	0.000442825	3.05108
1424380_at	Vps37b	vacuolar protein sorting 37B (yeast)	NM_177876	0.00103567	3.04985
1422760_at	Padi4	peptidyl arginine deiminase, type IV	NM_011061	0.00155218	3.04487
1427257_at	Vcan	versican	NM_001081249 // NM_001134474 // NM_001134475 // NM_019389 // NM_172955	0.000171437	3.04472
1418826_at	Ms4ab6	membrane-spanning 4-domains, subfamily A, member 6B	NM_027209	0.000657332	3.04468
1433107_at	---	---	---	0.000557332	3.04403
1436954_at	Wipf1	WAS/WASL interacting protein family, member 1	NM_153138	0.00127455	3.04032
1435396_at	Stxbp6	syntaxin binding protein 6 (amysin)	NM_144552	0.003463432	3.03491
1423182_at	Tnfsf13b	tumor necrosis factor receptor superfamily, member 13b	NM_021349	0.000629577	3.03428
1416002_x_at	Cotf1	coactosin-like 1 (Dictyostelium)	NM_028071	1.12E-05	3.03341
1419482_at	C3ar1	complement component 3a receptor 1	NM_009779	0.002996861	3.03264
1426120_a_at	Cd244 // LOC67	CD244 natural killer cell receptor 2B4 // natural killer cell receptor 2B4-like	NM_028729 // XM_001003781	0.00115557	3.03215
1448605_at	Csf3r	colony stimulating factor 3 receptor (granulocyte)	NM_001258265 // NM_007782 // NR_045561	0.000969566	3.03073
1455789_at	Npc2	Niemann Pick type C2	NM_023409	0.000141285	3.03053
1420789_at	Kir5	killer cell lectin-like receptor, subfamily A, member 5	NM_0084653	0.000352257	3.02768
1423939_at	Cleca4	C-type lectin domain family 4, member e	NM_0169248	0.00162169	3.02735
1416188_at	Gm2	Gm2 ganglioside activator protein	NM_010299	0.00157571	3.02685
1444412_at	---	---	---	0.000924055	3.02604
1440938_at	Trem2	triggering receptor expressed on myeloid cells-like 2	NM_001033405	0.00205704	3.02548
1419508_at	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	NM_009068	0.000984343	3.025
1431789_s_at	Tmed5	transmembrane emp24 protein transport domain containing 5	NM_028876	0.0030428	3.02449
1418077_at	Trm21	tripartite motif-containing 21	NM_01082552 // NM_009277	0.000417202	3.02443
1434377_at	Abr	active BCR-related gene	NM_198018 // NM_198894 // NM_198895	0.00154924	3.02271
1453060_at	Rgs8	regulator of G-protein signaling 8	NM_026390	0.0007876176	3.02203
1460591_at	Esr1	estrogen receptor 1 (alpha)	NM_007956	0.00237121	3.01955
1418778_at	Cdc109b	coiled-coil domain containing 109B	NM_025779	0.00182164	3.0189
1451986_s_at	Lrk1	leucine-rich repeat kinase 1	NM_146191	8.18E-06	3.01793
1419321_at	F7	coagulation factor VII	NM_010172	0.00264105	3.01754
1439703_at	Cd200r1	CD200 receptor 1	NM_021325	0.000326099	3.01699
1420824_at	Sema4d	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short	NM_0136860	0.00138704	3.01644
1419125_at	Ptpn18	protein tyrosine phosphatase, non-receptor type 18	NM_011206	5.88E-05	3.01593
1445778_at	---	---	---	0.0050629	3.01556
1435697_at	Ctyp1	cytohesin 1 interacting protein	NM_139200	0.000586992	3.01517
1447274_at	---	---	---	0.000978846	3.01511
1425363_at	B4galnt1	beta-1,4-N-acetyl-galactosaminyl transferase 1	NM_001244617 // NM_001244618 // NM_008080 // NM_027739 // NR_045166	0.000686823	3.01462
1451318_at	Gm11787 // Lyn	predicted gene 11787 // Yamaguchi sarcoma viral (v-sis) oncogene homolog	NM_00111096 // NM_010747 // XM_003946126 // XM_984338	0.001814845	3.01443
1449875_s_at	H2-T10 // H2-T2	histocompatibility 2, T region locus 10 // histocompatibility 2, T region locus 22 //	NM_010395 // NM_010396 // NM_010397 // NM_010399 // NM_046286 // XM_00368894	7.75E-06	3.01429
1439666_at	---	---	---	0.00304287	3.01382
1442233_at	---	---	---	0.000824448	3.01352
1438797_at	---	---	---	0.00332608	3.01344
1418398_s_at	Tspan32	tetraspanin 32	NM_001128080 // NM_00128081 // NM_00128082 // NM_0020286	0.00228738	3.01278
1440782_at	Skap1	src family associated phosphoprotein 1	NM_001033186 // NM_001177898 // NM_001177899	0.0015558	3.00994
1437917_at	DS30037H2Rik	RIKEN cDNA D53037H12 gene	--	0.00796651	3.00308
1436610_at	Ankr12	ankyrin repeat domain 12	NM_001025572	0.000219324	3.00294
1421186_at	Ccr2	chemokine (C-C motif) receptor 2	NM_009915	8.91E-05	3.00254
1451828_a_at	Acs4	acyl-CoA synthetase long-chain family member 4	NM_001033600 // NM_019477 // NM_207625	0.00858707	3.00149
1420915_at	Stat1	signal transducer and activator of transcription 1	NM_001205313 // NM_01205314 // NM_009283	1.44E-05	2.9992
1418403_at	Adam19	a disintegrin and metalloprotease domain 19 (meltrin beta)	NM_009616		

1419605_at	Clec10a	C-type lectin domain family 10, member A	NM_001204252 /// NM_010796	0.00386128	2.0831
1449259_at	Rab3d	RAB3D, member RAS oncogene family	NM_031874	0.00368577	2.98072
1436522_at	Iqsec2	IQ motif and Sece7 domain 2	NM_001095475 /// NM_001114664	0.003612563	2.97977
1421818_at	Bcl6	B cell leukemia/lymphoma 6	NM_009744	3.00-06	2.97932
1450982_at	Solute9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	NM_00120390	0.003050242	2.97932
1436303_at	Cd300a	CD300A antigen	NM_170758	0.001152431	2.97717
1438661_a_at	Aif2	ADP-ribosylation factor 2	NM_007477	0.0073893	2.97829
1420401_a_at	Ramp3	receptor (calcitonin) activity modifying protein 3	NM_019511	0.000483613	2.97818
1456886_at	—	—	—	0.00812209	2.97516
1454728_s_at	Atp8a1	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	NM_001038999 /// NM_009727	0.00159649	2.97375
1429215_at	2310058N22Rik	RIKEN cDNA 2310058N22 gene	—	0.00970325	2.97191
1424443_at	Tnn6ef1	transmembrane 6 superfamily member 1	NM_145375	0.00101897	2.97154
1435169_at	Crebrf	CREB3 regulatory factor	NM_029870	0.000179832	2.9711
1418203_at	Pmaip1	phorbol-12-myristate-13-acetate-induced protein 1	NM_021451	0.000607673	2.97044
1425388_a_at	Tpk1	thiamine pyrophosphokinase	NM_013861	0.00155173	2.96997
1418831_at	Plkp3	pleckstrin-like phosphoprotein 3	NM_001162924 /// NM_019762	0.00571845	2.96888
1441761_at	Sla	srl-like adaptor	NM_001029841 /// NM_009192	0.00839716	2.96798
1456429_at	Malt1	mucosa-associated lymphoid tissue lymphoma translocation gene 1	NM_172833	0.00132546	2.9674
1428578_s_at	Profia4	protein frosin phosphate, receptor type, f polypeptide (PTPRF), interacting protein	NM_001144855	0.00304665	2.96481
1433805_at	Jak1	Janus kinase 1	NM_1461445	0.00111403	2.9544
1455078_at	Ssh2	slingshot homolog 2 (Drosophila)	NM_177710	0.00202797	2.95302
1422095_a_at	Cmpk2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	NM_020557	0.00012063	2.95048
1454418_at	5330421C15Rik	RIKEN cDNA 5330421C15 gene	—	0.00673903	2.94977
1419280_at	Pip4k2a	phosphatidylinositol 5-phosphate 4-kinase, type II, alpha	NM_008845	0.000709676	2.94822
1429387_at	Grap	GRB2-related adaptor protein	NM_027817	0.00148454	2.94687
1433943_at	Ittrip	inositol 1,4,5-triphosphate receptor interacting protein	NM_0010017138	0.000731658	2.94578
1460719_at	P2rx1	purinergic receptor P2X ligand-gated ion channel, 1	NM_008771	0.00811675	2.94567
1450378_at	Tappb	TAP binding protein	NM_001025313 /// NM_009318	0.000848402	2.94529
1418219_at	Il15	interleukin 15	NM_001254747 /// NM_008357	0.000404813	2.94489
1438157_s_at	Nlkbia	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha	NM_010907	0.000677735	2.94465
1441962_at	Alox5	arachidonate 5-lipoxygenase	NM_009662	0.00663962	2.94238
1442429_at	Ipcef1	interaction protein for cytohesin exchange factors 1	NM_001033391 /// NM_001170800 /// NM_001170801 /// NM_001170802	0.00633541	2.94013
1426971_at	Ubta7	ubiquitin-like modifier activating enzyme 7	NM_023738	0.000119976	2.93997
147612_at	Ier5	immediate early response 5	NM_010500	0.000300034	2.93969
1425981_a_at	Rbl2	retinoblastoma-like 2	NM_011250	0.00127572	2.93679
1417877_at	Eedp1	endonuclease/exonuclease/phosphatase family domain containing 1	NM_026189	0.00460715	2.93651
1436919_at	Trp53i11	transformation related protein 53 inducible protein 11	NM_001025246	0.00556676	2.93546
1446610_at	Elmo1	engulfment and cell motility 1	NM_0080288 /// NM_198093 /// NR_038122	0.00230534	2.93382
1416326_at	Crip1	cysteine-rich protein 1 (intestinal)	NM_007763	7.98-06	2.93211
1417751_at	Stk10	serine/threonine kinase 10	NM_009288	0.00069771	2.93169
1449005_at	Slc16a3	solute carrier family 16 (monocarboxylic acid transporters), member 3	NM_001038653 /// NM_001038654 /// NM_030696	0.00198382	2.92726
1447830_s_at	Rgs2	regulator of G-protein signaling 2	NM_009061	4.59E-05	2.92656
1419610_at	Ccr1	chemokine (C-C motif) receptor 1	NM_009912	0.000652196	2.92299
1428759_s_at	Cwc25	CWC25 splicesosome-associated protein homolog (S. cerevisiae)	NM_026186	0.00190085	2.92203
1449485_at	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	NM_009068	0.0020765	2.92001
1456718_at	Tmem156	transmembrane protein 156	XM_144292 // XM_914571	0.0042168	2.91956
1426622_a_at	Qcpt	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	NM_027455	0.00325405	2.91511
1422261_at	Rhog	ras homolog gene family, member G	NM_019566	0.00073324	2.91579
1444457_at	—	—	—	0.0018155	2.91218
1417932_at	Il18	interleukin 18	NM_008380	4.64-05	2.90955
1421739_a_at	Matk	megakaryocyte-associated tyrosine kinase	NM_010768	0.000724409	2.90714
1411674_at	Vcan	versican	—	0.0053332	2.90163
1427266_at	Vcan	versican	NM_001281249 /// NM_00134474 /// NM_00134475 /// NM_019389 /// NM_172855	0.000830191	2.90072
1420515_at	Polyvp2	peptidoglycan recognition protein 2	NM_0012171476 /// NM_0012171477 /// NM_0012171478 /// NM_0012171479 /// NM_021319 ///	0.000665982	2.89928
1452397_at	2810474O19Rik	RIKEN cDNA 2810474O19 gene	NM_026054	0.00677815	2.89705
1424415_s_at	Spon1	spondin 1, (spondin) extracellular matrix protein	NM_145584	0.000668252	2.89451
1444181_at	Gimap5	GTPase, IMAP family member 5	NM_175035	0.00132174	2.89422
1450750_at	Nr4a2	nuclear receptor subfamily 4, group A, member 2	NM_00119509 /// NM_013613	0.00782559	2.8938
1418030_at	Sico3a1	solute carrier organic anion transporter family, member 3a1	NM_001038643 /// NM_023908	0.0016652	2.89301
1437166_at	Tie2	Tie1/TNF1-interacting nuclear factor 2	NM_145705	7.09E-05	2.89295
1456446_at	4930523C07Rik	RIKEN cDNA 4930523C07 gene	NM_001024470 /// NM_001162896 /// NR_028111	0.000220191	2.89203
1458362_at	D730005E14Rik	RIKEN cDNA D730005E14 gene	NR_030675	0.00333626	2.89165
1419099_x_at	Stom	stomatin	NM_013515	0.00342917	2.88434
1425902_a_at	Nlk2b	nuclear factor of kappa light polypeptide gene enhancer in B cells 2, p49/p100	NM_001173369 /// NM_001173730 /// NM_019408	0.000454928	2.88275
1449037_at	Crem	cAMP responsive element modulator	NM_00110850 /// NM_00110851 // NM_00110852 // NM_00110853 // NM_001110854	0.00187151	2.8825
1423252_at	Hdgfp3	hepatoma-derived growth factor, related protein 3	NM_013886	5.96E-05	2.87832
1428985_at	Ints12	integrator complex subunit 12	NM_027927	0.00842755	2.87467
1429246_a_at	Anxa6	annexin A6	NM_001110211 /// NM_013472	0.00232776	2.87433
1446476_at	Trav12n-2	T cell receptor alpha variable 12N-2	—	0.000756323	2.87261
1460409_at	Cpt1a	carnitine palmitoyltransferase 1a, liver	NM_013495	0.000304933	2.87225
1424290_at	Osgin2	oxidative stress induced growth inhibitor family member 2	NM_145950	1.75E-05	2.87212
1427996_at	BC028528	cDNA sequence BC028528	NM_153513	0.000124244	2.87208
1420979_at	Pak1	p21 protein (Cdc42/Rac)-activated kinase 1	NM_011035	0.00306475	2.86833
1448940_at	Trim21	tripartite motif-containing 21	NM_001082522 /// NM_009277	5.62E-05	2.86799
1452306_at	Zfyve26	zinc finger, FYVE domain containing 26	NM_001060550	0.000167537	2.86697
1444482_at	A130078K24Rik	RIKEN cDNA A130078K24 gene	—	0.00420179	2.86596
1446302_at	—	—	—	0.00109175	2.86594
1426639_at	Tcf7l2	transcription factor 7 like 2, T cell specific, HMG box	NM_001142918 /// NM_001142919 // NM_001142920 // NM_001142921 // NM_001142922	0.000257515	2.86576
1435660_at	LOC664787	Sp110 nuclear body protein-like	XR_030524	0.00565731	2.86518
1452352_at	Cita2b	cytotoxic T lymphocyte-associated protein 2 beta	NM_001145801 // NM_007797	0.00495741	2.86501
1418394_at	Cd97	CD97 antigen	NM_001163029 // NM_001163030 // NM_001163031 // NM_011925	0.000471945	2.86423
1426392_at	Rassf2	Ras association (RalGDS/AF-6) domain family member 2	NM_175454	0.00217555	2.86415
1448402_at	Tln1	talin 1	NM_011602	3.85E-05	2.86157
1455331_at	Plekhn3	pleckstrin homology domain containing, family M, member 3	NM_001039493 // NM_175509	0.00168776	2.85865
1429208_at	Dock11	regulator of cytoskeleton 11	NM_001099447 // NM_177745	2.13E-05	2.85628
1421073_at	Ptgere4	prostaglandin E receptor 4 (subtype EP4)	NM_001136079 // NM_008965	0.000834347	2.8561
1440451_at	Ankr06	ankyrin repeat domain 66	NM_001254953	0.00600157	2.85587
1419532_at	Il11r2	interleukin 1 receptor, type II	NM_010555	0.00911541	2.85461
1436354_at	C130098B18Rik	RIKEN cDNA C130098B18 gene	—	0.00482234	2.85391
1417063_at	C1qb	complement component 1, q subcomponent, beta polypeptide	NM_009777	0.0003921	2.85339
1427268_at	—	—	—	0.00159226	2.85301
1457570_x_at	Pitpcn1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.000264543	2.85257
1456524_at	Nrg1	neuregulin 1	NM_178591	0.00569417	2.8434
1426538_at	Adap2	AdapG with dual PH domains 2	NM_172133	0.00270255	2.84132
1438643_at	Camk1d	calcium/calmodulin-dependent protein kinase ID	NM_177343	0.000549179	2.84127
1419248_at	Rjs2	regulator of G-protein signaling 2	NM_009061	6.75E-05	2.84037
1430391_at	St8sia4	ST8 alpha-N-acetyl-neuraminate alpha-2,6-sialyltransferase 4	NM_001159455 // NM_009183	0.000560006	2.84006
1457733_at	Wtsc11	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	NM_001001735 // NM_001081269	3.43E-05	2.83546
1417787_at	Dick1	dickkopf-like 1	NM_015789	0.000531346	2.83495
1417741_at	Pygl	liver glycogen phosphorylase	NM_131398	0.00200146	2.83449
1454603_at	Oes2	2'-oligoadenylate synthase 2	NM_145227	0.000131905	2.83453
1420393_at	Nos2	nitric oxide synthase 2, inducible	NM_010927	0.00144366	2.83453
1449898_at	1-Sep1	septin 1	NM_017461	0.0004947402	2.83461
1428878_a_at	Pitpcn1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.000857671	2.83449
1456524_at	—	—	—	0.000805943	2.83352
1436561_at	Nrg1	neuregulin 1	NM_178591	0.00569417	2.83352
1426538_at	Adap2	AdapG with dual PH domains 2	NM_172133	0.00270255	2.83132
1438643_at	Camk1d	calcium/calmodulin-dependent protein kinase ID	NM_177343	0.000549179	2.83127
1444181_at	Rjs2	regulator of G-protein signaling 2	NM_009061	6.75E-05	2.83037
1435792_at	Csprs // Gm154	component of Sp100-rs // predicted pseudogene 15433 // predicted gene 2666 //	NM_001081746 // NM_033616 // XM_001474231 // XM_001477711 // XM_003084455 //	0.00267314	2.82355
1428378_at	Zch3av1	zinc finger CCCH type, antiviral 1	NM_028421 // NM_028864	8.31E-05	2.82326
1436658_at	S1pr3	sphingosine-1-phosphate receptor 3	NM_010101	0.000185352	2.82292
1441938_at	Cables1	CDK5 and Ab1 enzyme substrate 1	NM_001146287 // NM_022021	0.00144366	2.82268
1437494_at	Makpapk3	mitogen-activated protein kinase-activated protein kinase 3	NM_178907	0.000227211	2.82258
1443698_at	Xaf1	XMAP associated factor 1	NM_001037713	6.31E-05	2.8225
1443038_at	—	—	—	0.000805943	2.82252
1435792_at	Csprs // Gm154	component of Sp100-rs // predicted pseudogene 15433 // predicted gene 2666 //	NM_001081746 // NM_033616 // XM_001474231 // XM_001477711 // XM_003084455 //	0.00267314	2.82255
1428378_at	—	—	—	0.000805943	2.82252
1436658_at	S1pr3	sphingosine-1-phosphate receptor 3	NM_010101	0.000185352	2.82226
1441938_at	Cables1	CDK5 and Ab1 enzyme substrate 1	NM_001146287 // NM_022021	0.00144366	2.82226
1437494_at	Makpapk3	mitogen-activated protein kinase-activated protein kinase 3	NM_178907	0.000227211	2.82225
1443698_at	Xaf1	XMAP associated factor 1	NM_001037713	6.31E-05	2.82225
1426529_at	Tagln2	transgelin 2	NM_178598	0.000224535	2.82469
1421210_at	Cita	class II transactivator	NM_001243760 // NM_001243761 // NM_007575	0.000119172	2.82423
1420998_at	Chd1	chromodomain helicase DNA binding protein 1	NM_007690	0.000736449	2.82205
1430150_at	Dcp2	DCP2 decapping enzyme homolog (S. cerevisiae)	NM_027490	0.000244659</	

1455756	at	Pof1	PDX1 C-terminal inhibiting factor 1	NM_146129	0.00843736	2.79803	
1431166	at	Chd1	chromodomain helicase DNA binding protein 1	NM_007890	0.00027031	2.79723	
1454961	at	Synt1	synaptosomal-associated protein 1	NM_00045515 // NM_001164483	0.00000659	2.79674	
1431581	s_at	Gm9706	predicted gene 9706 // ISG15 ubiquitin-like modifier	NM_16753 // XR_168557 // XR_168756	0.00004514	2.7938	
1420918	at	Sqol	serine/glycine-rich nucleic acid regulated kinase 3	NM_001037759 // NM_133220 // NM_177547	3.1460	2.7937	
1442755	at	Cdk2b	carbonic anhydrase 5b, mitochondrial	NM_181315	0.000242524	2.7936	
1442018	at	Btg1	BRCA1-like translocation gene 1, anti-proliferative	NM_007569	0.000052062	2.7936	
1423478	at	Ptkcb	protein kinase C, beta	NM_008855	0.000304206	2.79289	
1427164	at	Il13ra1	interleukin 13 receptor, alpha 1	NM_133990	0.000280632	2.79257	
1450200	s_at	Csf2rb	Csf2rb // Csf2rb	RBC GTPase activating protein 1-like	NM_007780 // NM_007781	0.000163478	2.78907
1455282	x_at	Aloc1	aminoacyl-tRNA synthetase 1	NM_020598	0.000175887	2.78901	
1434557	at	Spi100	nuclear antigen Spi100	NM_013673	8.66E-06	2.78738	
1423862	at	Plecktf2	pleckstrin homology domain containing, family F (with FYVE domain) member 2	NM_175175	0.000104296	2.78694	
1418183	a_at	Cyth1	cystathione 1	NM_001112899 // NM_001112700 // NM_0011180	0.00165731	2.78694	
1421813	a_at	Psep	prosaposin	NM_001146120 // NM_001146121 // NM_001146122 // NM_001146123 // NM_001146124	0.000080586	2.78687	
1421285	at	Pik3ap1	phosphoinositide-3-kinase adaptor protein 1	NM_031376	0.000841475	2.78641	
1433512	at	Fli1	Friend leukemia integration 1	NM_008026	0.000259015	2.78573	
1429196	at	Rabgap1l	RAB GTPase activating protein 1-like	NM_001038621 // NM_013862	0.000798888	2.78099	
1420412	at	Tofs10	tumor necrosis factor (lipoand) superfamily, member 10	NM_009425	0.000187085	2.78027	
1418982	at	Cebpa	CCAAT/enhancer binding protein (C/EBP), alpha	NM_007678	0.000872931	2.78018	
1434920	a_at	Evl	Ena-vasodilator stimulated phosphoprotein	NM_001163394 // NM_001163395 // NM_001163396 // NM_007965	1.84E-05	2.78013	
1424829	at	Tor4a	torisin family 4, member A	NM_146116	0.0000512766	2.77982	
1424814	a_at	Bcl2l14	BCL2-like 14 (apoptosis facilitator)	NM_025778	0.0000498535	2.77944	
1449773	s_at	Gadd45b	growth arrest and DNA-damage-inducible 45 beta	NM_008655	0.000322761	2.77854	
1457761	at	C79607	expressed sequence C79607	---	0.00367325	2.7782	
1456917	at	---	---	---	0.00653238	2.7781	
1415859	at	Junb	Jun-B oncogene	NM_008416	5.34E-05	2.77716	
1427564	at	Diap2	diaphanous homolog 2 (Drosophila)	NM_017398 // NM_172493	0.00831941	2.77524	
1419297	at	H2-Oa	histocompatibility 2, O region alpha locus	NM_008206	0.000188761	2.77332	
1451931	a_at	H2-K1	histocompatibility 2, K1, region	NM_001001892 // XM_003945745	3.36E-05	2.77315	
1425515	at	Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	NM_001024955 // NM_001077495	0.0085672	2.77309	
1421816	at	Gsr	glutathione reductase	NM_010344	0.000640782	2.77278	
1434714	at	Ero1lb	ERO1-like beta (S. cerevisiae)	NM_026184	0.000166107	2.77205	
1451987	at	Arrib2	arrestin, beta 2	NM_001271358 // NM_001271359 // NM_001271360 // NM_145429	0.0000545097	2.77033	
1460398	at	Sor11	sorbin-related receptor, LDLR class A repeats-containing	NM_011436	0.000628526	2.77026	
1426708	at	Antxr2	anthrax toxin receptor 2	NM_133738	0.00740868	2.76853	
1417856	at	Relb	avian reticuloendotheliosis viral (v-rel) oncogene related B	NM_009046	0.0000995154	2.76768	
1452572	s_at	Camk4	calcium/calmodulin-dependent protein kinase IV	NM_009793	0.000613605	2.76691	
1416811	s_at	Cita2a	CITA22 cytotoxic T lymphocyte-associated protein 2 alpha // cytotoxic T lymphocyte-associated protein 2 alpha	NM_001145799 // NM_001145801 // NM_007796 // NM_007797	8.79E-05	2.76671	
1433465	s_at	A1467606	expressed sequence A1467606	NM_178901	0.000559618	2.76576	
1426716	at	Tdrd7	tudor domain containing 7	NM_146142	3.30E-06	2.76512	
1423586	at	Axi	AXL receptor tyrosine kinase	NM_001190974 // NM_001190975 // NM_009465	0.0040615	2.76532	
1426983	at	Fnbp1	formin binding protein 1	NM_001038700 // NM_001177648 // NM_001177649 // NM_001177650 // NM_019406	0.00036982	2.76574	
1422628	at	Fam11a	family with sequence similarity 111, member A	NM_026040	0.000172537	2.76204	
1425229	a_at	Tcf7l2	transcription factor 7 like 2, T cell specific, HMG box	NM_001142918 // NM_001142919 // NM_001142920 // NM_001142921 // NM_001142922	0.0000289979	2.76192	
1431688	at	LOC73899	uncharacterized LOC73899	XR_168686 // XR_168781	1.60578401	2.76165	
1450379	at	Mir633	microRNA 633	NM_00117733	0.000126049	2.76108	
1441439	at	Ikd3	IKAROS family zinc finger 3	NM_031771	0.000026237	2.75992	
1444399	at	Nabp1	nucleic acid binding protein 1	NM_028896	0.0005676119	2.75902	
1416401	at	C082	C082 antigen	NM_001163055 // NM_001271430 // NM_001271431 // NM_001271432 // NM_00127146	0.000350537	2.75863	
1451010	x_at	H2-D1	histocompatibility 2, D region locus 1	NM_010380	7.32E-06	2.75494	
1455602	s_at	Madd	MAP-kinase activating death domain	NM_001177719 // NM_001177720 // NM_001177721 // NM_001177722 // NM_001177723	0.0000897236	2.75464	
1426239	s_at	Arrib2	arrestin, beta 2	NM_001271358 // NM_001271359 // NM_001271360 // NM_145429	0.000151939	2.75418	
1420197	at	Gadd45b	growth arrest and DNA-damage-inducible 45 beta	NM_008655	0.000362907	2.75346	
1447409	at	---	---	---	0.000467782	2.75131	
1424880	at	Trib1	tribbles homolog 1 (Drosophila)	NM_144549	0.000580083	2.74939	
1416690	at	Gtpbp2	GTP binding protein 2	NM_001145979 // NM_019581	8.27E-05	2.74567	
145151	x_at	Ifi35	interferon-induced protein 35	NM_027320	0.000181307	2.74552	
1435779	at	Cep110	centrosomal protein 110	NM_012018 // NM_030000	0.00019242	2.74376	
1422556	at	Gna13	guanine nucleotide binding protein, alpha 13	NM_010303	0.00213123	2.74315	
1452796	at	Def6	differentially expressed in FDCP 6	NM_027185	0.000597178	2.74253	
1417335	at	Sult2b1	sulfotransferase family, cytosolic, 2B, member 1	NM_017465	0.0000942633	2.742	
1427539	a_at	Pitpnc1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.0000303574	2.7419	
1451563	at	Emr4	EGF-like module containing, mucin-like, hormone receptor-like sequence 4	NM_139138	0.000660054	2.73735	
1457679	at	Dofre1c	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)	NM_001112014 // NM_146114 // NM_175683	0.000374253	2.73731	
1436164	at	Slc30a1	solute carrier family 30 (zinc transporter), member 1	NM_009579	0.000438227	2.73608	
1420772	a_at	Tsc22d3	TSC22 domain family, member 3	NM_001077364 // NM_010286	0.000705269	2.73524	
1436120	at	Setdb2	SET domain, bifurcated 2	NM_001081024	9.99E-05	2.73515	
1427014	at	Denn4d4	DENN/MADD domain containing 4B	NM_201407	0.0000116793	2.73496	
1440192	at	Ttc39b	tetratricopeptide repeat domain 39B	NM_025782 // NM_027238	0.0000554089	2.73433	
1452592	at	Mgst2	microsomal glutathione S-transferase	NM_174995	0.00134	2.73424	
1424275	at	Lrch1	leucine-rich repeats and calponin homology (CH) domain containing 1	NM_001033439 // NM_001252132	0.00174345	2.7338	
1421998	at	Tor3a	torisin family 3, member A	NM_023141	0.000204193	2.73342	
1441344	at	Erlin1	ER lipid raft associated 1	NM_001164359 // NM_001164360 // NM_145502	0.000246698	2.73272	
1422191	at	Cd200r1	Cd200 receptor 1	NM_021325	0.001017077	2.73204	
1452653	at	Sic25a22	solute carrier family 25 (mitochondrial carrier, glutamate), member 22	NM_001177576 // NM_026646	0.000674926	2.73021	
1454783	at	H2-D1	histocompatibility 2, D region locus 1 // histocompatibility 2, D region locus L	NM_001267808 // NM_010380	6.46E-05	2.73015	
1425545	s_at	H2-L2	histocompatibility 2, D region locus 2 // histocompatibility 2, D region locus 2	NM_001267808 // NM_010380	2.97E-05	2.72815	
1455332	x_at	Fgr2b	Fc receptor, IgG, low affinity IIb	NM_001077189 // NM_010187	0.0000313584	2.72734	
1439276	at	Adar	adenosine deaminase, RNA-specific	NM_001038587 // NM_001146296 // NM_019655	0.00119879	2.72696	
1429201	at	Cyld	cylindromatosis (turban tumor syndrome)	NM_00128169 // NM_00128170 // NM_00128171 // NM_001276279 // NM_173369	0.00122811	2.72674	
1425336	x_at	H2-K1	histocompatibility 2, K1, region	NM_001001892 // XM_003945745	1.71E-05	2.72646	
1427368	x_at	Fes	feline sarcoma oncogene	NM_0101914	0.00071779	2.72499	
1438021	at	Rom47	RNA binding motif protein 47	NM_001227382 // NM_139065	0.000575839	2.7224	
1434769	at	Btdb1	BTB (POZ) domain containing 9	NM_027060 // NM_172618	0.000189462	2.72237	
1440559	at	Hmg2-psi1	high mobility group AT-hook 2, pseudogene 1	NR_037966	0.000229056	2.72253	
1450223	at	Apfaf1	apoptotic peptidase activating factor 1	NM_001024558 // NM_009684	0.000198967	2.72143	
1455798	at	Oifm1	olfactomedin 1	NM_001038612 // NM_01038613 // NM_01038614 // NM_019498	0.0000165418	2.72045	
1449555	at	Dgkx	diacylglycerol kinase, alpha	NM_035953	0.000169154	2.71608	
1419355	at	Kif7	Krueppel-like factor 7 (ubiquitous)	NM_035953	0.00042902	2.71555	
1449490	at	Lipfeg	leucyl/cysteinyldipeptidase	NM_172827	0.000303501	2.71474	
1441646	at	Corf1a	coiled-coil activating protein 4A	NM_009393	0.000452145	2.71369	
1419306	at	Gpm3	G-protein signalling modulator 3 (AGS3-like, C. elegans)	NM_134116	0.000323739	2.71104	
1454905	at	Cyb561a3	cytochrome b561 family, member A3	NM_201351	0.000341996	2.71109	
1452234	at	M54p6c	membrane-spanning 4-domains, subfamily A, member 6C	NM_001166337 // NM_028595	0.0021657	2.7112	
1457300	at	Afpf	affiphilin	NM_001252503 // NM_181411	0.000230283	2.71038	
1425264	s_at	Mpb	myelin basic protein	NM_001025245 // NM_001025251 // NM_001025254 // NM_001025255 // NM_00102525	0.000229049	2.71021	
1452914	at	N4dp211	NEEDD4 binding protein 2-like 1	NM_133888	0.000549954	2.70976	
1439985	at	Slc43a2	solute carrier family 43, member 2	NM_001199283 // NM_001199284 // NM_173388	0.00417606	2.70972	
1441584	at	---	---	---	0.00335919	2.70983	
1408485	at	Tmem243	transmembrane protein 243, mitochondrial	NM_001081029	0.000705785	2.70962	
1418838	at	Abcd1	ATP-binding cassette, sub-family D (ALD), member 1	NM_007435	0.000228392	2.70953	
1451243	at	Rnpep	arginyl aminopeptidase (aminopeptidase B)	NM_001159824 // NM_145417	2.22E-05	2.70589	
1454736	at	Sowash	sosondow ankyrin repeat domain family member C	NM_172939	0.00019412	2.70457	
1440047	at	Socs1	suppressor of cytokine signaling 1	NM_001271603 // NM_009896	0.000202655	2.70301	
1422958	s_at	Rnf114	ring finger protein 114	NM_03743	0.000271052	2.70102	
1426862	at	Afpf	affiphilin	NM_001252503 // NM_181411	8.69E-05	2.69705	
1443687	x_at	H2-Dmb2	histocompatibility 2, class II, locus Mb2	NM_010388	0.000546264	2.69458	
1422903	at	Ly8e	lymphocyte antigen 86	NM_010745	0.000670895	2.69259	
1431374	at	Abcd1	ATP-binding cassette, sub-family D (ALD), member 1	NM_028126	0.000103457	2.69125	
1455220	at	Itgb6	integrin, beta 6	NM_001026000	0.000402341	2.68129	
1418021	at	C4b // LOC6755	complement component 4B (blood coagulation) // complement C4-B-like	NM_009780 // XM_973068	0.000307195	2.68	
1419823	s_at	Ksr1	kinase suppressor of ras 1	NM_013571	0.00443752	2.6768	
1459712	at	Zfp182	zinc finger protein 182	NM_001013387 // NM_00111076	0.000336886	2.67645	
1436507	at	Irk2	interleukin-1 receptor-associated kinase 2	NM_001113553 // NM_172161	5.57E-05	2.67625	

1417785	Pla1a	phospholipase A1 member A	NM_134102	0.00590675	2.66481	
1448027	Ncoa3	nuclear receptor coactivator 3	NM_008679	0.00121269	2.6845	
1424146	P2zy1	pannheric receptor P2Y <sub>1</sub> -G-protein coupled 1	NM_008772	0.00147353	2.68517	
1440662	at	—	—	0.00402057	2.689191	
1427038	Ace	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	NM_009598 /// NM_207624	0.00290111	2.65144	
1424544	Arhgef1	Rho guanine nucleotide exchange factor (GEF) 1	NM_001130150 /// NM_001130151 /// NM_001130152 /// NM_001130153 /// NM_008488	0.000486155	2.660193	
1435996	Card11	caspase recruitment domain family, member 11	NM_175362	0.0030568	2.650568	
1416001	Cot11	catactosin-like 1 (Dictyostelium)	NM_028052	3.38E-06	2.65853	
1421587	Klk1b27	kallikrein 1-related peptidase b27	NM_020268	0.00508689	2.65812	
1424990	Orai1	ORAI calcium release-activated calcium modulator 1	NM_175423	0.00497913	2.6543	
1452886	at	—	—	0.006963467	2.65389	
1435144	—	—	—	0.0014187	2.65316	
1420904	Il17ra	interleukin 17 receptor A	NM_008359	0.00122934	2.62695	
1450143	Rasgrp1	RAS guanyl releasing protein 1	NM_011246	0.000159966	2.6526	
1436607	a_at	kinase D-interacting substrate 220	NM_001081378	0.00145548	2.65021	
1443896	Tbc1d5	TBC1 domain family, member 5	NM_028162	0.00354872	2.64921	
1422013	Clec4a2	C-type lectin domain family 4, member a2	NM_001170332 /// NM_001170333 /// NM_011999	0.00159674	2.64798	
1416968	Hsd3b7	hydroxy-Delta-5 steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	NM_001040684 /// NM_133943	0.00131971	2.64782	
1449414	Zfp53	zinc finger protein 53	NM_013843	0.00192381	2.6478	
1440255	Hinf	histone H4 transcription factor	NM_172162	0.00194263	2.64723	
1430482	Adora3	adenosine A3 receptor	NM_001174169 /// NM_009631 // NM_027025	0.00546646	2.64695	
1431398	Lrrk2	leucine-rich repeat kinase 2	NM_025730	0.00111472	2.6439	
1455034	Nr4a2	nuclear receptor subfamily 4, group A, member 2	NM_001139509 /// NM_013613	0.00108483	2.6435	
1421976	Mmp19	matrix metallopeptidase 19	NM_001164197 /// NM_021412	0.0089101	2.64208	
1429089	s_at	RIKEN cDNA 2900026A02Rik	NM_172884	0.00847353	2.64116	
1429618	Cyld	cylindromatosis (turban tumor syndrome)	NM_001128169 /// NM_001128171 /// NM_001276279 // NM_173369	4.23E-06	2.64099	
1443400	at	—	—	0.0011775	2.63973	
1438075	Fem1c	fem-1 homolog c (C.elegans)	NM_173423	0.00123014	2.63854	
1433450	Cdk5rl1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	NM_009871	0.00779453	2.63398	
1418483	Ggt1	glycoprotein galactosyltransferase alpha 1, 3	NM_001145821 /// NM_010283	0.00235166	2.63255	
1426784	Gmip	Gem-interacting protein	NM_198101	0.0013342	2.63197	
1427313	Ptgir	prostaglandin I receptor (IP)	NM_008967	0.00608795	2.63038	
1452279	Cfp	complement factor properdin	NM_008823	0.00290591	2.62942	
1424356	a_Metnl	meteordin, gilal cell differentiation regulator-like	NM_144797	0.000287795	2.62916	
1460604	Samd9l	sterile alpha motif domain containing 9-like	NM_010156 // NM_177590	1.83E-05	2.62906	
1417240	Zyxin	—	NM_011777	0.00119941	2.62791	
1454979	Dlap1	diaphanous homolog 1 (Drosophila)	NM_007858	0.000717591	2.62752	
1454799	Agpat9	1-acylglycerol-3-phosphate O-acetyltransferase 9	NM_172715	0.0015156	2.62423	
1449363	Atr3	activating transcription factor 3	NM_007498	7.37E-05	2.62336	
1443686	H2-Dmb2	histocompatibility 2, class II, locus Mb2	NM_010388	0.00566851	2.62256	
1416871	Adam8	a disintegrin and metalloproteinase domain 8	NM_007403	0.00027154	2.62225	
1450821	Kat2b	(lysine) acetyltransferase 2B	NM_001160846 // NM_020005	0.00283446	2.62022	
1416627	Spin1	serine protease inhibitor, Kunitz type 1	NM_016967	0.000659573	2.62004	
1426805	Nabp1	nucleic acid binding protein 1	NM_028696	5.54E-05	2.61955	
1439974	Fkbp15	FK506 binding protein 15	NM_001045528	0.00126487	2.61846	
1455731	Sic29a3	sterol carrier family 29 (nucleoside transporters), member 3	NM_023596	0.00353564	2.61815	
1443911	—	—	—	0.00165	2.61766	
1433656	Gimp9	GIMPase, IMAP family member 9	NM_174960	0.000606367	2.61551	
1434947	Atxn7l1	ataxin 7-like 1	NM_001033436 /// NM_028139	0.000717676	2.61498	
1421317	x_at	myeloblastosis oncogene	NM_001168914 /// NM_010848 // NM_033597	0.00140281	2.61478	
1453324	Ttc7	tetratricopeptide repeat domain 7	NM_028537	0.000468357	2.61184	
1415937	Emb	embigin	NM_010320	0.000232348	2.61165	
1456103	Pml	promyelocytic leukemia	NM_008884 /// NM_178087	0.00267889	2.61047	
1457161	RIKEN cDNA 9530029O12Rik	—	—	0.00270543	2.61042	
1419279	Pip42a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	NM_008845	0.00151962	2.61022	
1434559	Str3x	syntaxin 3	NM_001025307 /// NM_001025308 // NM_011502 // NM_152220	8.13E-05	2.60883	
1435977	Hdfgrp3	hepatoma-derived growth factor, related protein 3	NM_013886	0.00495888	2.60636	
1415886	Sh2d3c	SH2 domain containing 3C	NM_001252547 // NM_013781 // NR_045535	0.00125265	2.60612	
1419120	Lyt1	lymphoblastic leukemia 1	NM_008535	0.00346042	2.60581	
1437199	Dusp5	dual specificity phosphatase 5	NM_01085390	0.000154333	2.60483	
1456806	A130010C12Rik	RIKEN cDNA A130010C12 gene	—	0.000817631	2.60443	
1422474	Pote4b	phosphodiesterase 4B, cAMP specific	NM_001177980 /// NM_001177981 // NM_001177982 // NM_001177983 // NM_019840	0.00189572	2.60375	
1446834	at	—	—	0.00110498	2.60374	
1428242	Hmha1	histocompatibility (minor) HA-1	NM_001142701 // NM_027521	0.000701482	2.60369	
1448781	Nab1	Ngfl-A binding protein 1	NM_008867	0.0020658	2.60313	
1426623	a_Arhgap17	Rho GTPase activating protein 17	NM_00122640 // NM_00122641 // NM_00122642 // NM_00122643 // NM_144529	0.0002728	2.60285	
1438435	Acer3	alkaline ceramidase 3	NM_025408	0.00485385	2.60282	
1416935	Trov2	transient receptor potential cation channel, subfamily V, member 2	NM_011706	0.000262427	2.60203	
1430662	A130091E24Rik	RIKEN cDNA 9430091E24 gene	NM_040363 // NR_040364	0.00117764	2.60101	
1449404	Pip42a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	NM_008845	0.00290406	2.6009	
1435531	Usp3	ubiquitin specific peptidase 3	NM_144937	0.00154126	2.60031	
1423678	BC017643	cDNA sequence BC017643	NM_001252548 // NM_01252549 // NM_001252550 // NM_001254735 // NM_144832	4.63E-05	2.6	
1425074	Wrm	Werner syndrome homolog (human)	NM_001122822 // NM_011721 // XM_03946269	0.00176365	2.59998	
1451990	Mapre2	microtubule-associated protein, RP/EB family, member 2	NM_001162941 // NM_001162942 // NM_153058	0.00180396	2.59995	
1433811	Milt6	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocase	NM_139311	8.77E-06	2.59995	
1452191	Prcp	prolylcarboxypeptidase (angiotensin-converting enzyme C)	NM_028243	0.000390324	2.59863	
1452426	x_at	—	—	0.00238488	2.59668	
1452922	Ptp1r3d	protein phosphatase 1, regulatory subunit 3D	NM_001085501	0.00305376	2.59452	
1418332	a_Agtbp1	ATP/GTP binding protein 1	NM_001048008 // NM_023328	7.71E-05	2.59411	
1426169	a_Lat2	linker for activation of T cells family, member 2	NM_020044 // NM_022964	0.000369922	2.59333	
1458963	Ttc39b	tetratricopeptide repeat domain 3B	NM_025782 // NM_027238	0.00542488	2.59964	
1429165	3110001122Rik	RIKEN cDNA 3110001122 gene	NM_025653	6.65E-06	2.58989	
1443927	Uba6	ubiquitin-like modifying active enzyme 6	NM_172712	0.00124584	2.58804	
1436851	Pkn1 // PTgter1	protein kinase N1 // prostaglandin E receptor 1 (subtype EP1)	NM_001195953 // NM_013641 // NM_177262	9.10E-05	2.58726	
1448471	Cita2a	cytotoxic T lymphocyte-associated protein 2 alpha	NM_00117799 // NM_007796	0.000116225	2.58545	
1424124	Mospd2	motile sperm domain containing 2	NM_029730	0.00705991	2.58385	
1416013	Pld3	phospholipase D family, member 3	NM_011116	0.00131105	2.58257	
1419584	Cd47	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	NM_010581	0.0013549	2.58171	
1419587	s_at	Rp2h	retinoid pigmentoza 2 homolog (human)	NM_136369	0.00130469	2.58087
1424369	Nup11	nucleoplin-like 1	NM_010391	0.00017851	2.58076	
1460218	Cd52	CD52 antigen	NM_013706	1.24E-05	2.58041	
1452188	Mam11	mastermind like 1 (Drosophila)	NM_175334	4.76E-05	2.5757	
1449588	I	legume lectin	NM_011173	0.000494946	2.57573	
1444350	M426d	membrane-spanning 4-domains, subfamily A, member 6D	NM_026835	0.000898921	2.57573	
1445545	Slim10-ps	schlafen 10, pseudogene	—	0.00271667	2.57565	
1417931	Ndst2	N-deacetylate/N-sulfotransferase (heparan glucosaminyl) 2	NM_010811	5.80E-05	2.57556	
1436175	Atnx7	ataxin 7	NM_139227	0.00273408	2.57572	
1422476	Ifi30	interferon gamma inducible protein 30	NM_023065	0.000267978	2.57245	
1419530	I12b	interleukin 12b	NM_008352	0.00490795	2.57134	
1435168	Zfp710	zinc finger protein 710	NM_001145999 // NM_001146000 // NM_175433	0.00167454	2.56966	
1416044	Flii // LOC10108	flightless I homolog (Drosophila) // protein flightless-1 homolog	NM_022009 // XM_003946397	0.00130627	2.56899	
1430623	s_at	Nabp1	nucleic acid binding protein 1	NM_028696	0.000143151	2.56844
1448475	Olfm3	olfactomedin-like 3	NM_133859	0.000887203	2.56737	
1438732	Nhs2	NHS-like 2	NM_001163610	0.00280702	2.56595	
1434477	Heca	headcase homolog (Drosophila)	NM_001033432	0.000642472	2.56519	
1435058	x_at	Stxbp3a	syntaxin binding protein 3A	NM_011504	0.007641404	2.56254
1435374	Cdy1	chromodomain protein, Y chromosome-like 2	NM_029441	0.00948833	2.56158	
1419276	Eprp1	ectonucleotide pyrophosphatase/phosphodiesterase 1	NM_008813	0.00188769	2.56136	
1455667	a_Preb	prolactin regulatory element binding	NM_016703	0.00225647	2.56088	
1450681	Zfp143	zinc finger protein 143	NM_009281	0.00376945	2.56066	
1455104	Mxd1	MAX dimerization protein 1	NM_010751	0.00356033	2.55934	
1419515	Fgd2	FYVE, RhoGEF and PH domain containing 2	NM_001159538 // NM_013710	0.001033	2.55906	
1422411	s_at	Earf1 // Ear12	eosinophil-associated ribonuclease A family, member 1 // eosinophil-associated, ribonuclease A family, member 1 // eosinophil-associated, ribonuclease A family, member 1 // eosinophil-associated, ribonuclease A family, member 1	NM_001017266 // NM_007894 // NM_007895 // NM_017388 // XM_003946320	0.0020284	2.55758
1425281	a_Tsc22d3	TSC22 domain family, member 3	NM_001073364 // NM_012086	0.000155304	2.55456	
1442700	Pde4b	phosphodiesterase 4B, cAMP specific	NM_001177980 // NM_001177981 // NM_001177982 // NM_001177983 // NM_019840	0.00237123	2.55439	
1448291	Mmp9	matrix metallopeptidase 9	NM_013599	0.002638656	2.55437	
1420704	Csf2ra	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	NM_009970	0.000637204	2.55277	
1440392	Akap13	A kinase (PRKA) anchor protein 13	NM_029332	0.00457418	2.55248	
1443995	at	—	—	0.000476459	2.55169	
1424573	a_Tmed5	transmembrane emp24 transport domain containing 5	NM_028876	0.000178282	2.54979	
1440160	x_at	Vwa9	von Willebrand factor A domain containing 9	NM_001077631 // NM_175153	0.0003281	2.54941
1419247	Rgs2	regulator of G-protein signaling 2	NM_009061	0.000464957	2.54899	
1435088	Nsd1	nuclear receptor-binding SET-domain protein 1	NM_008739	0.000574208	2.54891	
1440137	at	—	—	0.00119668	2.54894	
1451340	And5a	AT rich interactive domain 5A (MRP1-like)	NM_001172205 // NM_001172206 // NM_145996 // NR_033310	0.00139426	2.54824	
1417595	Cyp27a1	cytochrome P450, family 27, subfamily a, polypeptide 1	NM_024264	0.00021936	2.54809	
1458462	Arhgap30	Rho GTPase activating protein 30	NM_001005508	0.00160352	2.54781	
1434192	Zsef1	zinc finger, ZTF-type with EF-hand domain 1	NM_01045536	0.00013		

1444537	Al429363	expressed sequence Al429363	-	0.000615633	2.54168	
1420016	Ppt1	palmitoyl-protein thioesterase 1	NM_008917	0.00157619	2.53774	
1460510	a	Coq10b	coenzyme Q10 homolog B (S. cerevisiae)	NM_001039710 /// NM_026424	0.00157007	2.53768
1457944	a	-	-	0.00068689	2.53558	
14265593	a	Usp98	ubiquitin specific peptidase 38	0.00455052	2.53447	
1450699	a	Gtbp1	GTP binding protein 1	NM_013818	0.0046174	2.53414
1455370	a	A630023P12Rik	RIKEN cDNA A630023P12 gene	NM_173766 /// NR_102290 /// XR_106296 /// XR_107731	0.00275467	2.53405
1456358	a	Etv3	ets variant gene 3	NM_001083318 /// NM_012051	0.00594659	2.53404
1416019	a	Drx1	down-regulator of transcription 1	NM_026106	0.000531147	2.53273
1422041	a	Pibr1	paired immunoglobulin type 2 receptor beta 1	NM_133209	0.00698359	2.5325
1426655	a	Ppp1r21	protein phosphatase 1, regulatory subunit 21	NM_028658	4.4E-05	2.52345
1424617	a	Ifi35	interferon-induced protein 35	NM_027320	3.4E-05	2.52323
1456983	a	-	-	0.00172569	2.52306	
1435069	a	BC064078	cDNA BC064078	NR_015455	1.2E-09	2.52068
1417894	a	Gpr97	G protein-coupled receptor 97	NM_173036	0.0080359	2.52094
1435066	a	Pitpnc1	phosphatidylinositol 4-kinase type 2 alpha	NM_145823	0.00282812	2.52073
1455493	a	Syne1	spectrin repeat containing, nuclear envelope 1	NM_001079866 /// NM_022027 // NM_153399	9.1E-05	2.52483
1448618	a	Mvp	major vault protein	NM_080638	0.000764035	2.52481
1429564	a	Pcgf5	polycomb group ring finger 5	NM_029508	0.000390572	2.52341
143292	a	Twf2	twinfilin, actin-binding protein, homolog 2 (Drosophila)	NM_011876	0.000516617	2.52321
1455398	a	Lrc8c	leucine rich repeat containing 8 family, member C	NM_133897	0.000881706	2.52298
1419245	a	Rab14	RAB14, member RAS oncogene family	NM_026697	0.00401344	2.52107
1460291	a	Cdk6	cyclin-dependent kinase 6	NM_009873	0.00745	2.51805
1453076	a	Batf3	basic leucine zipper transcription factor, ATF-like 3	NM_030060	0.00155912	2.51727
1418146	a	Rtb2	retinoblastoma-like 2	NM_011250	0.000984846	2.51525
1431106	a	9530053H05Rik	RIKEN cDNA 9530053H05 gene	NR_02850 // XR_035210 // XR_035293	0.00215125	2.51448
1424027	a	Pxn	paxillin	NM_011223 // NM_133915	0.00120814	2.51169
1423392	a	Clic4	chloride intracellular channel 4 (mitochondrial)	NM_013885	0.000445154	2.51178
1419361	a	Ss18	synovial sarcoma translocation, Chromosome 18	NM_001161369 /// NM_001161370 // NM_001161371 // NM_009280	4.5E-05	2.51158
1428902	a	Cht11	carbohydrate sulfotransferase 11	NM_021439	0.00915973	2.51147
1418994	a	Ms44d	membrane-spanning 4-domains, subfamily A, member 4D	NM_025658	0.00461963	2.51136
1422697	s	Jarid2	jumonji, AT rich interactive domain 2	NM_001205043 // NM_001205044 // NM_021878	0.00572459	2.51104
1424126	a	Alas1	aminolevulinic acid synthase 1	NM_020559	0.000689263	2.51103
1450065	a	Adcy7	adenylate cyclase 7	NM_001037723 // NM_001037724 // NM_001109756 // NM_007406	9.7E-05	2.50916
1434076	a	Wdr37	WD repeat domain 37	NM_001039388 // NM_001039389 // NM_172445	0.00261029	2.50851
1449851	a	Per1	period circadian clock 1	NM_001159367 // NM_011065	0.000340189	2.50722
1460055	a	-	-	0.00622279	2.50661	
1424226	a	9030617O03Rik	RIKEN cDNA 9030617O03 gene	NM_145448	0.00677646	2.50524
1417218	a	Calm2	calcium homeostasis modulator 2	NM_133746	0.00216663	2.50459
1459741	x	Ucp2	uncoupling protein 2 (mitochondrial, proton carrier)	NM_011671	0.00916966	2.50435
1417811	a	Slc24a6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	NM_001177594 // NM_001177595 // NM_133221	0.000165088	2.50402
1440383	a	Dofre1b	DNase cross-link repair 1B, PSO2 homolog (S. cerevisiae)	NM_001025312 // NM_133865	0.00243814	2.50375
1464648	a	Rnasel	ribonuclease L (2', 5'-oligoadenylate synthetase-dependent)	NM_011882	0.000604792	2.50334
1417071	s	Cyp4v3	cytchrome P450, family 4, subfamily v, polypeptide 3	NM_133969	0.00253533	2.50321
1443763	x	H2-Aa	histocompatibility 2, class II antigen A, alpha	NM_010378	0.000158265	2.50283
1440125	a	A53054K11Rik	RIKEN cDNA A53054K11 gene	NM_18146	0.000261847	2.50278
1424420	a	Cpg1	cell cycle progression 1	NM_001114328 // NM_028181	0.0006764	2.50177
1422465	a	Pif1	poly(A)-binding protein thioesterase 1	NM_009189	8.6E-05	2.50107
1423200	a	Cnbp	c-Maf-like protein	NM_001163262 // NM_028941	0.000689677	2.50019
1456568	a	Wif1	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	NM_001001735 // NM_0010181269	0.00385776	2.49981
1433885	a	Iqgap2	IQ motif containing GTPase activating protein 2	NM_027711	0.001425501	2.49905
1451335	a	Pbc8	peptides specific 8	NM_139198	0.000693721	2.49863
1445723	a	PleC1	phospholipase C-like 1	NM_001144663	0.005985537	2.49801
1424783	a	LOC100048662	UDP-glucuronosyltransferase 1-9-like // UDP-glucuronyltransferase 1-8-like // UDP-glucuronyltransferase 1-8-like	NM_013701 // NM_145079 // NM_201410 // NM_201641 // NM_201642 // NM_201643 // NM_201644	0.00103475	2.49639
1419410	a	Batf	basic leucine zipper transcription factor, ATF-like	NM_016767	0.000131456	2.49394
1447100	s	Stx1a	Stx1a interacting protein 1	NM_027482	0.00333878	2.49171
1426084	a	Tor1aip1	Tor1a interacting protein 1	NM_001160018 // NM_001160019 // NM_144791	8.7E-05	2.49115
1418703	a	Rbms1	RNA binding motif, single stranded interacting protein 1	NM_001141931 // NM_001141932 // NM_020296	2.53E-05	2.49132
1416695	a	Tspo	translocator protein	NM_09775	3.15E-06	2.49002
1456153	a	Ssh2	slingshot homolog 2 (Drosophila)	NM_177710	0.00058381	2.48918
1445599	a	Herc4	hect domain and RLD 4	NM_0261101 // NM_030114	0.00493892	2.48912
1428148	s	Coro7	coronin 7	NM_030205	5.5E-06	2.48832
1447040	a	-	-	0.00246496	2.48604	
1416195	a	Inpp5k	inositol polyphosphate 5-phosphatase K	NM_008916	0.000429506	2.48476
1447662	a	-	-	0.000414532	2.48247	
1418891	a	Rab3d	RAB3D, member RAS oncogene family	NM_031874	0.00364326	2.48095
1448010	a	A430104N18Rik	RIKEN cDNA A430104N18 gene // microRNA 142	NR_029555	0.00118117	2.4806
1442201	a	-	-	0.000421207	2.48017	
1425714	a	Nfam1	Nfat activating molecule with ITAM motif 1	NM_001271411 // NM_001271412 // NM_001271413 // NM_001271414 // NM_028728	0.00102826	2.47925
1425209	a	Zfp84	zinc finger protein 84	NM_023750	0.0026814	2.47866
1450381	a	Bcl6	B cell leukemia/lymphoma 6	NM_009744	3.3E-06	2.47817
1424208	a	Ptger4	prostaglandin E receptor 4 (subtype EP4)	NM_001136079 // NM_008965	0.000821944	2.47793
1416611	a	Scamp2	secretory carrier membrane protein 2	NM_022813	0.00284443	2.47774
1447527	a	-	-	0.000606836	2.47744	
1420691	a	Il2ra	interleukin 2 receptor, alpha chain	NM_008367	0.00284531	2.47692
1436078	a	Fch01	FCH domain only 1	NM_028715 // NR_028267	0.000205878	2.47675
1460173	a	Lasp1	LIM and SH3 protein 1	NM_010688	0.0025428	2.47674
1452009	a	Ttc39b	tetratricopeptide repeat domain 39B	NM_025782 // NM_027238	7.12E-05	2.47602
1438310	a	-	-	0.00267331	2.47364	
1449311	a	Bach1	BTB and CNC homology 1	NM_007520	0.00886507	2.47028
1425530	a	Stx3	syntaxis 3	NM_001025307 // NM_001025308 // NM_011502 // NM_152220	0.00132981	2.46994
1449399	a	Il1fb	interleukin 1 beta	NM_008631	0.00275369	2.46861
1434245	a	Cyb561a3	cytochrome b561 family, member A3	NM_201351	0.00413631	2.46672
1435263	a	Tmem106a	transmembrane protein 106A	NM_144830	0.002504204	2.46659
1436862	a	Ptk31	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	NM_001024955 // NM_001077495	0.00501186	2.46604
1448607	a	Nampt	nicotinamide phosphoribosyltransferase	NM_021524	0.00204205	2.46508
1435250	a	Lmnb1	lamin B1	NM_010721	0.00525173	2.46465
1442576	a	Crebs	cAMP responsive element binding protein 5	NM_172728	0.000802478	2.46307
1422006	a	Erfl2ak2	eukaryotic translation initiation factor 2-alpha kinase 2	NM_044543	0.000463188	2.46305
1425239	a	Sic35dc1	soluble carrier family 35, member C1	NM_145632 // NM_211358	0.00515959	2.46313
1426568	a	Mir3k3	microRNA-activated protein kinase kinase kinase 3	NM_011949	0.00176265	2.46303
1416339	a	Lip10	low-density lipoprotein receptor-related protein 10	NM_022963	0.0001919568	2.46307
1440639	a	M621d1	M621d1	NM_173303	0.00269354	2.46301
1444003	a	Neur3	neuronalized homeolog 3 (Drosophila)	NM_153408	0.00306131	2.45903
1431592	a	Sh3kb1	SH3-domain kinase binding protein 1	NM_001135727 // NM_001135728 // NM_021389	0.0024024	2.45909
1458202	a	Fam65b	family with sequence similarity 65, member B	NM_001080381 // NM_028679 // NM_178858	0.0007067	2.45805
1440718	a	Fam105a	family with sequence similarity 105, member A	NM_001242423 // NM_001242424 // NM_198301	0.0009231166	2.45735
1437270	a	Cif1	cardiotrophin-like cytokine factor 1	NM_019852	0.000102436	2.45648
1417009	a	C1ra // C1rb	complement component 1, r subcomponent A // complement component 1, r subcomponent B	NM_001113356 // NM_023143	0.00242819	2.45449
1419488	a	Trip2	TNFAIP3 interacting protein 2	NM_130864	0.000383531	2.45353
1424287	a	Prkx	protein kinase, X-linked	NM_016979	0.00037958	2.45221
1449130	a	Cd1d1	CD1d1 antigen	NM_007639	0.00172499	2.452
1436037	a	Itga4	integrin alpha 4	NM_010576	0.00106644	2.45177
1425716	s	Bak1	BCL2-antagonist/killer 1	NM_07523	0.000333316	2.45087
1437913	a	Bcl2a1 // Bcl2d1	B cell leukemia/lymphoma 2 related protein A1a // B cell leukemia/lymphoma 2 related protein B1a	NM_007534 // NM_007536 // NM_009742	0.00722004	2.44968
1417381	a	C1qa	complement component 1, q subcomponent, alpha polypeptide	NM_007572	0.00720204	2.44816
1417630	a	Mirk1	MAP kinase-interacting serine/threonine kinase 1	NM_021481	0.002919425	2.44776
1436059	a	Rfx1	regulatory factor X, 1 (influences HLA class II expression)	NM_009055	0.000444123	2.44691
1419315	a	Slamf9	SLAM family member 9	NM_029612	0.00267476	2.44655
1460444	a	Arnb1	arrestin, beta 1	NM_178220	0.00150599	2.44629
1428065	a	Sic44a2	solute carrier family 44, member 2	NM_001199186 // NM_152808	0.000358302	2.44626
1450385	a	Kpnas3	karyopherin (importin) alpha 3	NM_008466	0.00474775	2.44435
1444148	a	-	-	0.000960566	2.44216	
1429678	a	5730508B09Rik	RIKEN cDNA 5730508B09 gene	NM_027482	0.00754409	2.44151
1425719	a	Nmi	N-myc (and STAT) interactor	NM_001141948 // NM_001141949 // NM_019401	1.80E-05	2.44108
1454806	a	Fam94a	family with sequence similarity 49, member A	NM_001146119 // NM_029758	0.00139574	2.43981
1416432	a	Ptkb3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	NM_001177752 // NM_001177753 // NM_001177754 // NM_001177755 // NM_001177756	0.00100584	2.43837
142194	a	Rcsd1	RCSD domain containing 1	NM_001038464 // NM_178593	0.00100033	2.43822
1425671	a	Homer1	homer homolog 1 (Drosophila)	NM_011982 // NM_17176 // NM_152134	0.00236479	2.43628
1433462	a	Ptk2a	phosphatidylinositol 4-kinase type 2 alpha	NM_145501	0.000300209	2.4345
1448620	a	Fcg3	Fc receptor, IgG, low affinity III	NM_010188	0.000387763	2.43449
1448659	a	Casp7	caspase 7	NM_007611	0.000387673</td	

1438577	at	---				0.00343128	2.41996
1422645	at	hfe	hemochromatosis	NM_010424		0.000220524	2.41972
1419565	at	Rp2h	retinitis pigmentosa 2 homolog (human)	NM_133659		0.0009676	2.41559
1445116	at	---		---		0.00491347	2.41651
1455318	at	Tmed4	T cell immunoglobulin and mucin domain containing 4	NM_178759		0.00516046	2.41358
1422646	at	Ptpn1f	phosphatidylinositol transfer protein, membrane-associated 1	NM_001163078 /// NM_008851 // NR_075078	2.975-35	2.41175	
131691	at	Rab31	RAB31, member RAS oncogene family	NM_133685		0.00172162	2.41679
1436845	at	Axin2	axin2	NM_015732		0.00134513	2.41631
1421755	at	Gor132	G protein-coupled receptor 132	NM_019925	1.70E-05	2.41624	
1415381	a_at	Prdx5	peroxiredoxin 5	NM_0120221		0.000534893	2.41581
1439672	at	Trim30a	tripartite motif-containing 30A	NM_090909		0.00369118	2.41541
1443192	at	Themis	thymocyte selection associated	NM_178666		0.00272394	2.41467
1447231	at	---		---		0.00409988	2.41384
1449644	at	Trav12-1	T cell receptor alpha variable 12-1	---		0.00535581	2.41349
1461111	at	Cd83	CD83 antigen	NM_009856		0.00748021	2.40908
1434087	at	Mithfr	5,10-methylenetetrahydrofolate reductase	NM_001161798 /// NM_010840 // NR_027809	0.00107554	2.40895	
1453721	at	Slc31a2	solute carrier family 31, member 2	NM_025286		0.000906643	2.40827
1447885	x_at	Nedd9	neural precursor cell expressed, developmentally down-regulated gene 9	NM_00111324 // NM_017464		0.000301494	2.4078
1451860	a_at	Trim30a	tripartite motif-containing 30A	NM_090909		0.00121792	2.40642
1452225	at	Spp12a	signal peptide peptidase like 2A	NM_023220		0.00224519	2.406
1428071	at	Gucd1	guanylyl cyclase domain containing 1	NM_175133		0.00314561	2.4058
1430528	at	Sdcbp	syndecan binding protein	NM_001098227 // NM_016807	0.00151758	2.40569	
1418196	at	Tep1	telomerase associated protein 1	NM_009351		0.00151264	2.40559
1452307	at	Cables2	CDK5 and Ab1 enzyme substrate 2	NM_145851		0.00301279	2.40534
1435556	at	Zfp597	zinc finger protein 597	NM_001033159		0.00359021	2.40511
1452224	at	Morc3	microchordia 3	NM_001045529		0.00170145	2.40243
1448721	at	D1Ef6d22c	DNA segment, Chr 1. ERATO Doi 622, expressed	NM_133825		0.00367661	2.40218
1421142	s_at	Foxp1	forkhead box P1	NM_001197321 // NM_001197322 // NM_053202		0.00654597	2.40173
1448477	at	Chst12	carbohydrate sulfotransferase 12	NM_021528		0.00110924	2.40138
1426078	at	Gpr108	G protein-coupled receptor 108	NM_030084		0.000537981	2.40137
1457691	at	Gpr183	G protein-coupled receptor 183	NM_183031		0.00277462	2.40101
1418992	at	F10	coagulation factor X	NM_001242368 // NM_007972		0.00837151	2.39943
1434866	x_at	Cpt1a	carnitine palmitoyltransferase 1a, liver	NM_013495		0.00674432	2.39876
1445104	at	E230029C05Rik	RIKEN cDNA E230029C05 gene	NR_015614		0.00360189	2.39863
1453015	at	Cmip	c-Maf inducing protein	NM_001163262 // NM_028941		0.0012932	2.39703
1435290	x_at	H2-Aa	histocompatibility 2, class II antigen A, alpha	NM_010378		0.000232098	2.39619
1454676	s_at	Ticam1	toll-like receptor adaptor molecule 1	NM_174989		0.00277391	2.39585
1424727	at	Ccr5	chemokine (C-C motif) receptor 5	NM_009917		0.000597255	2.39453
1434880	at	Etv6	ets variant gene 6 (TEL, oncogene)	NM_007961		0.000114769	2.39449
1417462	at	Cap1	CAP, adenylate cyclase-associated protein 1 (yeast)	NM_007598		0.00538025	2.39444
1417971	at	Nrm	nurim (nuclear envelope membrane protein)	NM_134122		0.00247523	2.39209
1417483	at	Nrkbiz	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, zeta	NM_001159394 // NM_001159395 // NM_030612		0.0089769	2.39185
1435573	at	Otud5	OTU domain containing 5	NM_136604		0.00150039	2.39131
1433938	at	Fgd3	FYVE, RhoGEF and PH domain containing 3	NM_015759		0.00592502	2.38844
1423518	at	Csk	c-src tyrosine kinase	NM_007783		0.0001387	2.38836
1456178	at	Bambi-ps1	BDNF and activin membrane-bound inhibitor, pseudogene (Xenopus laevis)	NR_027919		0.00791930	2.38725
1416340	a_at	Manz2b1	mannosidase 2, alpha B1	NM_010764		0.00101831	2.38691
1444363	at	---		---		0.00124666	2.3867
1452245	s_at	Ctbs	chitobiose, di-N-acetyl-	NM_028836		0.00172585	2.38597
1427472	at	Hivep1	human immunodeficiency virus type I enhancer binding protein 1	NM_007772		4.10E-05	2.38502
1435501	at	Ctso	cathepsin O	NM_177862		0.000105514	2.38438
1447466	at	Atkn71	atxin 7-like 1	NM_001023346 // NM_028139		0.000369463	2.3843
1434026	at	Atpb2	ATPase, class I, type BB, member 2	NM_001081182		0.000957389	2.38404
1451198	at	Gata2a	GATA zinc finger domain containing 2A	NM_001113345 // NM_001113346 // NM_145596		0.00406512	2.38389
1444425	at	---		---		0.00529517	2.38382
1459529	at	E230016K23Rik	RIKEN cDNA E230016K23 gene	NR_036452 // NR_036453		0.00755148	2.38273
1435828	s_at	Maf	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	NM_001025577		0.000834995	2.38235
1421066	at	Jak2	Janus kinase 2	NM_01048177 // NM_008413		0.00033414	2.37648
1456251	x_at	Tspo	translocator protein	NM_09751		2.92E-07	2.3779
1438427	at	Fam120b	family with sequence similarity 120, member B	NM_024203 // NR_033586		0.000662659	2.37737
1451969	s_at	Par3	poly (ADP-ribose) polymerase family, member 3	NM_145619		5.70E-05	2.37625
1434226	at	Cyb561d1	cytochrome b-561 domain containing 1	NM_001081320 // NM_028061		0.00610914	2.37605
1421844	at	Ilfrap	interleukin 1 receptor accessory protein	NM_001159317 // NM_001159318 // NM_008364 // NM_134103		0.00559586	2.37478
1437821	at	---		---		0.00589545	2.37464
1425588	at	Ptp1j	protein tyrosine phosphatase, receptor type J	NM_001135657 // NM_008982		0.00100043	2.37428
1420632	a_at	Bsc2	Bernardelli-Selip congenital lipodystrophy 2 homolog (human)	NM_00136064 // NM_008144		0.00170065	2.37284
1419676	at	Mx2	myxovirus (influenza virus) resistance 2	NM_013606 // NR_003508		0.0034244	2.37221
1419714	at	Cd274	CD274 antigen	NM_021893		0.000120715	2.37198
1439203	at	Slc22a15	solute carrier family 22 (organic anion/cation transporter), member 15	NM_001039371		0.00118266	2.37138
1444312	at	---		---		0.00297194	2.37037
1417189	at	Psm2	proteasome (prosome, macropain) 28 subunit, beta	NM_001029855 // NM_011190		1.09E-05	2.36988
1431686	at	5830400J07Rik	RIKEN cDNA 5830400J07 gene	---		0.00530638	2.36865
1440050	at	Hbs11	Hbs-like (S. cerevisiae)	NM_001042593 // NM_01145209 // NM_019702		0.00151678	2.36704
1426865	at	Sdr39u	short chain dehydrogenase/reductase family 39U, member 1	NM_01082975		0.000737915	2.36582
1416412	at	Nsmaf	neutral sphingomyelinase (SMase) activation associated factor	NM_010945		0.000568218	2.36465
1422992	s_at	Ptk3cd	phosphatidylinositol 3-kinase catalytic delta polypeptide	NM_001029337 // NM_001164049 // NM_001164050 // NM_001164051 // NM_001164052		0.00449427	2.36411
1422468	at	Ptp1	phosphotyrosyl-protein thioesterase 1	NM_008917		0.000890996	2.36275
1428387	at	Ist1	increased sodium tolerance 1 homolog (yeast)	NM_028018		0.002744206	2.36182
1457239	at	Syk	spleen tyrosine kinase	NM_001198977 // NM_011518		0.000244206	2.36145
1454734	at	Lef1	lymphoid enhancer binding factor 1	NM_001276402 // NM_001276403 // NM_010703		0.00473768	2.36128
1455470	x_at	Lasp1	LIM and SH3 protein 1	NM_010688		0.000103151	2.35993
1422133	at	Spn	siaphophin	NM_001037310 // NM_009259		0.000159571	2.35658
1435477	x_at	Fcgr2b	FC receptor, IgG, low affinity IIb	NM_001077189 // NM_010187		0.000395901	2.35603
1438948	x_at	Tspo	translocator protein	NM_09775		9.28E-07	2.35577
1439004	at	Zfp319	zinc finger protein 319	NM_024467		0.00328964	2.35528
1417347	at	Pycard	PYD and CARD domain containing	NM_023258		0.00207961	2.35477
1418508	at	Grb2	growth factor receptor bound protein 2	NM_008163		0.00129061	2.35434
1434250	at	Pak2	p21 protein (Cdc42/Rac)-activated kinase 2	NM_017326		0.00162251	2.35334
1438411	at	Gpr81	G protein-coupled receptor 81	NM_175520		0.00148859	2.35169
1424960	s_at	Camta2	calmodulin binding transcription activator 2	NM_001093676 // NM_001190378 // NM_001190379 // NM_178116		0.00086855	2.35165
1433910	at	Zoch6	zinc finger, CCCH domain-containing 6	NM_153559		7.24E-05	2.34994
1416986	at	Sirpa	signal-regulatory protein alpha	NM_001177646 // NM_001177647 // NM_007547		0.00125288	2.34992
1445737	at	Starp	stathmin/aurora kinase-associated protein	NM_001177544 // NM_001177545 // NM_007547		0.00013675	2.34949
1429270	at	Syce2	synaptosomal complex protein 2	NM_001168244 // NM_001168246 // NM_027954 // NR_031759		0.00080662	2.34884
1455407	at	Long9	leukocyte receptor cluster (LRC) member 9	NM_175529		0.000112290	2.34839
1433847	at	Starp2	striatin interacting protein 2	NM_001037740 // NM_177204		0.00751585	2.34541
1409554	at	Tie3	transducin-like enhancer of split 3, homolog of Drosophila E(spl)	NM_01083927 // NM_001083928 // NM_0093898		0.00044336	2.34134
1457966	at	LOC100503146	uncharacterized LOC100503146	XR_107024		0.00539929	2.34040
1434140	at	Mcf2l	mf2 transforming sequence-like	NM_001159485 // NM_001159486 // NM_178076		0.0062402	2.33994
1433725	at	Acrv1b	activin A receptor, type 1B	NM_011809		0.004065652	2.33969
1416994	at	Tbc1d8	TBC1 domain family, member 8	NM_018755		0.00668534	2.33869
1447685	x_at	Ets2	E26 avian leukemia oncogene 2, 3' domain	NM_011809		0.00631889	2.33799
1429173	at	Dnase11	deoxyribonuclease 1-like	NM_001172154 // NM_027109		0.000270483	2.33799
1449176	a_at	Dck	deoxyctyldine kinase	NM_007832		0.000379681	2.33636
1428577	at	Pof14	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein	NM_001144855		0.0047548	2.33591
1444969	at	Pid1	phosphotyrosine interaction domain containing 1	NM_0010039348		0.00499102	2.33527
1421275	s_at	Socs4	suppressor of cytokine signaling 4	NM_080843		0.00778538	2.33302
1416471	at	Cept1	chlorine/ethanolamine phosphotransferase 1	NM_133869		0.000358671	2.33283
1437419	at	Bmp2k	BMP2 inducible kinase	NM_080708		0.00228175	2.33277
1436177	at	Plekha2	pleckstrin homology domain-containing, family A (phosphoinositide binding specific)	NM_031257		0.00360753	2.33203
1444884	at	Ptp1	palmitoyl-protein thioesterase 1	NM_008917		0.00167058	2.33114
14265397	at	Tgfb2r	transforming growth factor, beta receptor II	NM_009371 // NM_029575		0.00367321	2.33092
1460345	at	Aida	axin interactor, dorsalization associated	NM_145626 // NM_181732		0.000601959	2.32796
1429650	at	Stk40	serine/threonine kinase 40	NM_001145827 // NM_028800		0.00355382	2.32787
1426550	at	Sid1t	SID1 transmembrane family, member 1	NM_001159419 // NM_198034		0.00571006	2.32784
1424496	at	Idnk	IdnK glucokinase homolog (E. coli)	NM_001048060 // NM_198004		0.000381859	2.3278
1445452	at	Casp8	caspase 8</				

1448529_at	Thbd	thrombomodulin	NM_009378	0.00738763	2.31444
1438062_at	Tmem206	transmembrane protein 206	NM_025964	0.0074807	2.31363
1452070_at	Dedd2	death effector domain-containing DNA binding protein 2	NM_025971 // NM_207677	0.00739466	2.31308
1450077_at	Chd1	chromodomain helicase DNA binding protein 1	NM_007690	0.00719803	2.31249
1419023_at	Anhgap4	Rho GTPase activating protein	NM_01162423 // NM_001162424 // NM_138630	0.00712632	2.31226
1427447_a_at	Timp3	TIMP3, metalloproteinase inhibitor 3, RIO and F-suin binding protein	NM_001039156 // NM_001039155 // NM_001039156 // NM_138579	0.007144164	2.31075
1423863_at	Fndc3a	fibronectin type III domain containing 3A	NM_207658	0.00704781	2.31031
1420894_at	Tofbr1	transforming growth factor, beta receptor I	NM_009370	0.00734598	2.30997
1452425_at	Tnfrsf14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	NM_178931	0.006927782	2.30786
1424402_at	Rufy3	RUN and FYVE domain containing 3	NM_027530	0.006935056	2.30677
1425705_a_at	Ero1b	ER01-like beta (S. cerevisiae)	NM_026184	0.006134558	2.30666
1431050_at	Res6k5	ribosomal protein S6 kinase, polypeptide 5	NM_153587	0.006121667	2.30648
1451733_at	Gent2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	NM_008105 // NM_023987 // NM_133219	0.006832166	2.30425
1454171_x_at	9530053H05Rik	RIKEN cDNA 9530053H05 gene	NR_02850 // XR_035210 // XR_035293	0.006944434	2.30165
1420015_s_at	Pst1	palmitoyl-protein thioesterase 1	NM_008917	0.00542519	2.30047
1427567_a_at	Tpm3	tropomyosin 3, gamma	NM_001253738 // NM_001253740 // NM_001271764 // NM_022314	2.54E-05	2.29953
1435346_at	Cdc62	cold-coil domain containing 82	NM_025534	5.37E-05	2.29927
1453175_at	Zbtb25	zinc finger and BTB domain containing 25	NM_001127104 // NM_028356	0.000457725	2.29893
1424236_at	Tbc1d10b	TBC1 domain family, member 10b	NM_144522	0.000212125	2.2981
1444508_a_at	Arrdc1	arrestin domain containing 1	NM_001126485 // NM_178408 // NR_027876	0.000177336	2.29776
1426292_at	Zfp790	zinc finger protein 790	NM_001145880 // NM_146185	0.00025737	2.29765
1422103_a_at	Stat5b	signal transducer and activator of transcription 5B	NM_001113563 // NM_011489	0.00145683	2.29722
1427283_at	Kmt2a	lysine (K)-specific methyltransferase 2A	NM_001081049	0.00408153	2.29642
1434960_a_at	Taf9b	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor	NM_001001176 // NM_001167988	0.00255933	2.29601
1452527_a_at	P2rx4	purinergic receptor P2X <sub>4</sub> , ligand-gated ion channel 4	NM_011026	0.00254038	2.29576
1426567_a_at	Ap1s2	adaptor-related protein complex 1, sigma 2 subunit	NM_026887	0.00251018	2.29442
1426970_a_at	Uba7	ubiquitin-like modifier activating enzyme 7	NM_023738	0.00350237	2.29412
1427146_at	Carns1	carnosine synthase 1	NM_134148	0.00107924	2.29252
1450478_a_at	Ptpn12	protein tyrosine phosphatase, non-receptor type 12	NM_011203	0.000270211	2.29238
1441803_at	Ipcf1	interaction protein for cytohesin exchange factors 1	NM_001033391 // NM_001170800 // NM_001170801 // NM_001170802	0.0064128	2.29155
1425256_at	---	---	---	0.0074899	2.29105
1453909_at	Med13l	mediator complex subunit 13-like	NM_172424	0.00214471	2.29098
1434015_at	Slc2a6	solute carrier family 2 (facilitated glucose transporter), member 6	NM_001177627 // NM_172659	0.006833774	2.29057
1434674_at	Lyst	lysosomal trafficking regulator	NM_010748	0.000564741	2.28828
1438115_a_at	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	NM_012030	0.000119687	2.28819
1451819_at	Zswim6	zinc finger SWIM-type containing 6	NM_145456	0.00179881	2.28743
1429520_a_at	Acer3	alkaline ceramidase 3	NM_025408	4.11E-05	2.28595
1446320_at	Stim1	stromal interaction molecule 1	NM_009287	0.00138549	2.28525
1453920_a_at	Mospd2	motile sperm domain containing 2	NM_029730	0.00144437	2.28282
1437357_at	Ythdc2	YTH domain containing 2	NM_001163013	0.00564001	2.28264
1455615_at	Ckif	chemokine-like factor	NM_001037840 // NM_001037841 // NM_029295 // NM_029313	0.00217879	2.28258
1453103_at	Ablm1	actin-binding LIM protein 1	NM_001031777 // NM_00103178 // NM_178688	0.00693515	2.28185
1416468_at	Art2	ADP-ribosylation factor 2	NM_007477	1.88E-05	2.28184
1439792_at	---	---	---	0.000778912	2.28181
1434861_s_at	Kctd12	potassium channel tetramerisation domain containing 12	NM_177715	0.00109784	2.28161
1452255_at	Fbxo38	F-box protein 38	NM_134196	0.00036780	2.28117
1453949_s_at	Lypa1	lysophospholipase 1	NM_008986	0.00044244	2.28098
1442482_at	Flna	filamentous actin	NM_0080237	0.00329451	2.28077
1440966_at	4933430J11Rik	RIKEN cDNA 4933430J11 gene	NM_177697	0.000311554	2.27952
1440346_at	Kdm6b	KDM1 lysine (K)-specific demethylase 6B	NM_001017426	0.000762999	2.27898
1426044_a_at	Ptkcs	protein kinase C, theta	NM_008859	9.00E-05	2.27784
1409846_at	Eor12 // Eor2 // eosinophil-associated, ribonuclease A family, member 12 // eosinophil-associated, ribonuclease A family, member 2	NM_001012766 // NM_007895 // NM_017388	0.00386702	2.27768	
1422311_a_at	Poi2a	polymerase (RNA I) (DNA directed), poly peptide A	NM_009889	0.00178318	2.27744
1423612_at	Clo1	CLO1, cleavage and polyadenylation factor 1 subunit	NM_133840	0.00496402	2.27727
1418479_at	Vps54	vacuolar protein sorting 54 (yeast)	NM_139061	8.42E-05	2.27723
1428733_at	Gngt2	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide	NM_001038684 // NM_023121	0.00642205	2.27669
1452016_at	Alox5ap	arachidonate 5-lipoxygenase activating protein	NM_009653	0.000791658	2.27553
1455051_at	Ref31	ring finger protein 31	NM_194346	0.000155594	2.27535
1417056_at	Psme1	proteasome (prosome, macropain) 28 subunit, alpha	NM_011189	7.15E-06	2.27397
1427509_at	Balap3	BAAL-associated protein 3	NM_001163270	0.00233608	2.2737
1449839_at	Casp3	caspase 3	NM_098910	6.40E-05	2.27365
1460338_a_at	Crf3	cytokine receptor-like factor 3	NM_001277106 // NM_018776	0.00677666	2.27303
1431023_at	C03046E11Rik	RIKEN cDNA C03046E11 gene	NM_001081319 // NM_177641	0.000604452	2.27273
1458596_at	Dctn4	dynactin 4	NM_026302	0.00499872	2.27128
1417193_at	Sod2	superoxide dismutase 2, mitochondrial	NM_013671	0.00282407	2.26996
1422344_at	---	---	---	0.00530011	2.26873
1456261_at	Sh3kb1	SH3-domain kinase binding protein 1	NM_001135727 // NM_001135728 // NM_021389	0.00285059	2.26863
1453102_at	Flit3	fibronectin leucine rich transmembrane protein 3	NM_001172160 // NM_178382	0.00379006	2.26698
1451413_at	Cast	capazapatin	NM_009817	0.000521378	2.26474
1435329_at	Kdm2a	lysine (K)-specific demethylase 2A	NM_001001984	0.000574886	2.26376
1452697_at	Ctdp1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit	NM_026295	0.000169004	2.26341
1424225_at	Absb	ankyrin repeat and SOCS box-containing 8	NM_001170710 // NM_001170711 // NM_030121	0.000985366	2.26276
1449842_at	Tmem179b	transmembrane protein 179B	NM_026325 // NR_028418 // NR_028419	0.0016767	2.26241
1423306_at	Smn3	small integral membrane protein 3	NM_134133	0.00110963	2.26222
1448610_a_at	Sod2	superoxide dismutase 2, mitochondrial	NM_013671	0.00153148	2.26201
1424268_at	Smxo2	sperrmine oxidase	NM_001177833 // NM_001177834 // NM_001177835 // NM_001177836	0.00837197	2.26164
1434055_at	Galm9	UDP-N-acetyl-alpha-D-galactosamine-polypeptide N-acetylgalactosaminyltransferase	NM_01122639 // NM_198306	0.000283498	2.26155
1430419_at	2310301A07Rik	RIKEN cDNA 2310301A07 gene	---	0.00144141	2.26033
1437924_at	Son	son dog DNA binding protein	NM_019973 // NM_178880	0.000357102	2.25944
1428018_a_at	AF251705	cDNA sequence AF251705	NM_134158	0.000301882	2.2581
1424929_at	Trim26	tripartite motif-containing 26	NM_001025599 // NM_030698	0.000412461	2.25698
1441026_at	Parp4	poly (ADP-ribose) polymerase family, member 4	NM_001145978	0.00519094	2.25684
1456716_a_at	3110002H16Rik	RIKEN cDNA 3110002H16 gene	NM_029623	0.000119937	2.25677
1419186_a_at	St8sia4	ST8 alpha-N-acetyl-neuraminate alpha-2,6-sialyltransferase 4	NM_001159745 // NM_009183	0.000200288	2.25548
1423911_at	Ppp2r5a	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	NM_144880	0.000632166	2.25515
1448467_a_at	Ehbp11	EH domain binding protein 1-like 1	NM_001114595 // NM_001114596 // NM_001114597 // NM_052325	0.000456749	2.25479
1423233_at	Cebpd	CCAAT/enhancer binding protein (C/EBP), delta	NM_007679	0.0004047634	2.25474
1424968_at	---	---	---	0.00509953	2.2545
1452416_at	Ilra	interleukin 6 receptor, alpha	NM_010559	0.00098228	2.25274
1445242_at	Bol7b	B cell CLL/lymphoma 7B	NM_0079745	0.000239679	2.25274
1452529_at	Swt1	SWT1 RNA endoribonuclease homolog (S. cerevisiae)	NM_025919	0.000364637	2.25258
1419549_at	Arg1	arginase, liver	NM_007482	0.000894568	2.25203
1421247_at	Lats2	lats, gamma-kinase binding, soluble 9	NM_001163901 // NM_010708	0.000841573	2.24915
1451416_a_at	Tgm1	transglutaminase 1, K polypeptide	NM_001161714 // NM_001161715 // NM_019984	0.000305974	2.24867
1445388_at	Cd226	CD226 antigen	NM_001039148 // NM_001039149 // NM_178687	0.000243623	2.24746
1424546_at	Mesp2k3	mitogen-activated protein kinase kinase 3	NM_0092828	0.000277765	2.24707
1440831_at	Bach1	BTB and CNC homology 1	NM_007520	0.000125132	2.24678
1460729_at	Rock1	Rho-associated coiled-coil containing protein kinase 1	NM_009071	0.00410026	2.24672
1437910_at	Tmem39b	transmembrane protein 39b	NM_199305	0.00245823	2.24667
1421679_a_at	Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	NM_00111099 // NM_007669	0.000291988	2.24612
1445626_at	---	---	---	0.00548244	2.24584
1416353_at	Etv3	ets variant gene 3	NM_001083318 // NM_012051	0.00277231	2.24522
1417601_at	Ros1	regulator of G-protein signaling 1	NM_015811	0.00270444	2.24451
1452960_at	Scy3	SCY1-like 3 (S. cerevisiae)	NM_028776	0.000276868	2.24407
1440196_at	---	---	---	0.00801243	2.24297
1454268_at	Cyba	cytochrome b-245, alpha polypeptide	NM_007806	8.07E-05	2.24156
1450163_a_at	Wrm	Werner syndrome homolog (human)	NM_001228222 // NM_011721 // XM_003946269	0.00200979	2.24132
1431005_at	D10Wsu102e	DNA segment, Chr 10, Wayne State University 102, expressed	NM_026579	6.94E-05	2.24109
1422631_at	Ahr	aryl-hydrocarbon receptor	NM_013464	0.00191787	2.24072
1422283_at	---	---	---	0.00202265	2.23968
1429570_at	Mikl	mixed lineage kinase domain-like	NM_029005	5.16E-06	2.23901
1443923_at	Akap13	A kinase (PRKA) anchor protein 13	NM_029332	0.0088159	2.239
1436712_at	Denn2d	DENN/MADD domain containing 2D	NM_001093754 // NM_028110 // NR_051982	0.00747644	2.23871
1419900_at	241013F24Rik	RIKEN cDNA 241013F24 gene	---	0.0018605	2.23868
1448765_at	Fyn	Fyn proto-oncogene	NM_001122892 // NM_001122893 // NM_008054	0.0002314	2.23821
1422469_at	Tbk1	TANK-binding kinase 1	NM_019786	0.000636476	2.23765
1426900_at	A130040M12Rik	RIKEN cDNA A130040M12 gene	NM_028260	0.000659014	2.2366
1441380_at	Tlc39c	tetratricopeptide repeat domain 39C	NM_028341	0.00199819	2.23526
1442123_at	2010102P19Rik	RIKEN cDNA 2010012P19 gene	NR_106197	0.000427391	2.23491
1449878_a_at	Slc12a6	solute carrier family 12, member 6	NM_133648 // NM_133649	0.000420163	2.23439
1445617_at	---	---	---	0.00530918	2.2342
1419748_at	Abcd2	ATP-binding cassette, sub-family D (ALD), member 2	NM_011994	0.00185893	2.23364
1434762_at	Orai2	ORAI calcium release-activated calcium modulator 2	NM_178751	0.00464481	2.23312
1417291_at	Tnfrsf1a	tumor necrosis factor receptor superfamily, member 1a	NM_011609	0.000123825	2.23283
1420008_at	Nrbka	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha	NM_010907	0.00139359	2.23194
1455691_at	Nbeal2	neurobeachin-like 2	NM_183276	0.00151563	2.23136
1460032					

1423186	at	Tiam2	T cell lymphoma invasion and metastasis 2	NM_001122998 // NM_011878	0.00580227	2.2238
1425803	a at	Mbd2	methyl-CpG binding domain protein 2	NM_010773	0.00139963	2.2233
1429402	at	Adam19	a disintegrin and metalloprotease domain 19 (meltrin beta)	NM_009616	0.00433903	2.2236
1421383	at	Cod62	coiled-coil domain containing 62	NM_022334	0.00093956	2.2230
1445818	at	Hpcal1	hippocalcin-like 1	NM_026977	0.0036531216	2.2226
1435885	at	Fam46a	family with sequence similarity 46, member A	NM_001160378 // NM_001160379	6.2166	2.2224
1459009	at	Nfxf	nuclear factor IX	NM_001081981 // NM_001081982 // NM_010906	0.0072077	2.2219
1431810	a at	Tmoc4	transmembrane and coiled-coil domains 4	NM_028857	0.00478249	2.2214
1410536	a at	Rela	v-ral reticuloendotheliosis viral oncogene homolog A (avian)	NM_009045	0.00423521	2.2206
1450534	x at	H2.K1	histocompatibility 2, K1, K region	NM_001001892 // XM_003945745	4.0065	2.2167
1432946	at	S30409M06Rik	RIKEN cDNA S30409M06 gene	NM_023324	0.00510346	2.2156
1439348	at	S100a10	S-100 calcium binding protein A10 (calactin)	NM_009112	0.00276182	2.2143
1425193	at	Spp12a	signal peptide peptidase like 2A	NM_023220	0.00985762	2.2134
1458283	at	Gsk1	glutathione S-transferase kappa 1	NM_029555	0.00951073	2.2126
1422140	at	Gm7609	predicted pseudogene 7609	NM_001081746	0.00161062	2.2120
1437488	at	Slc9a9	solute carrier family 9 (sodium/hydrogen exchanger), member 9	NM_177909	0.00713944	2.2120
1424625	a at	Denn1da	DENN/MADD domain containing 1A	NM_146122	3.97E-05	2.2117
1417371	at	Pell1	pellino 1	NM_023324	0.000224687	2.2117
1445687	at	Mir1	mast cell immunoglobulin like receptor 1	NM_001033435 // NM_001271372 // NM_001271373 // NM_001271374 // NM_00127137	0.000967064	2.2111
1425078	x at	C130026I2Rik	RIKEN cDNA C130026I2 gene	NM_001137309 // NM_175219	0.000293785	2.2105
1448997	at	Cyth1	cytohesin 1	NM_001112699 // NM_001112700 // NM_011180	0.000785767	2.2103
1448148	at	Gm1	granulin	NM_008115	0.00304617	2.2096
1428514	at	Cpne3	copine III	NM_027769	0.000300878	2.2081
1434490	at	Scarf1	scavenger receptor class F, member 1	NM_001004157	0.00141851	2.2081
1425676	a at	Elov1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	NM_001039175 // NM_001039176 // NM_019422	0.00751714	2.2080
1423609	a at	Mgat1	mannoside acetylglucosaminyltransferase 1	NM_001101148 // NM_001110149 // NM_00110150 // NM_010794	0.00122959	2.2079
1454605	a at	Pitk2a	phosphatidylinositol 4-kinase type 2 alpha	NM_145501	0.000235986	2.2075
1449990	at	Il2	interleukin 2	NM_008366	0.00169648	2.2069
1429848	at	Pvr	poliovirus receptor	NM_027514	0.000100863	2.2062
1449366	at	Mmp8	matrix metalloproteinase 8	NM_008611	0.00906677	2.2054
1436963	x at	Tmem179b	transmembrane protein 179B	NM_026325 // NR_028418 // NR_028419	0.000323927	2.2051
1418296	at	Fxyd5	FXYD domain-containing ion transport regulator 5	NM_001111073 // NM_008761	0.000100825	2.2049
1449507	a at	Cd47	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	NM_010581	4.86E-05	2.2047
1434058	a at	Mitm12	myotubularin related protein 12	NM_172958	0.00134526	2.2038
1427038	at	Penk	preproenkephalin	NM_001002927	0.00793564	2.2037
1422018	at	Htvep2	human immunodeficiency virus type I enhancer binding protein 2	NM_010437	0.00437048	2.2037
1428147	at	Coro7	coronin 7	NM_030205	0.000117789	2.2025
1418346	at	Insl6	insulin-like 6	NM_013754	0.0015101	2.2020
1423134	at	Rip12	Rab interacting lysosomal protein-like 2	NM_032059	0.000775623	2.2018
1418743	a at	Tesc	tescanin	NM_021344	0.00406353	2.2012
1448862	at	Icam2	intercellular adhesion molecule 2	NM_010494	0.00427551	2.2009
1455523	a at	Cstz2	cleavage stimulation factor, 3' pre-RNA subunit 2	NM_133196	0.0049694	2.1997
1427217	at	Zfp455	zinc finger protein 455	NM_001048204 // NM_183156	0.00650474	2.1996
143247	at	Fost2	fost-lik antigen 2	NM_008037	0.000516519	2.1994
1453497	a at	Piga	phosphatidylinositol glycan anchor biosynthesis, class A	NM_011081	0.00573315	2.1993
1430692	a at	Se11	Se11-1 suppressor of lin-12-like (C. elegans)	NM_00969089 // NM_011344	0.00437933	2.1993
1416538	at	Rcbt2b	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing 2	NM_0011170694 // NM_134083 // NR_033185	0.000182126	2.1994
1424299	at	Curo7	coiled-coil domain and coiled-coil domains 7	NM_030205	0.00265725	2.1974
1451692	at	Tmoc6	transmembrane and coiled-coil domains 6	NM_028036	0.00569363	2.1972
1424238	at	Sin7	Sin7 (silent mating type information regulation 2, homolog) 7 (S. cerevisiae)	NM_153056	0.000134745	2.1960
1425668	a at	St3gal4	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	NM_091178	0.0024466	2.1949
1454592	a at	C0300a	c0300a antigen	NM_170753	0.0052366	2.1947
1416227	at	Arcp1b // Gm56	actin related protein 2/3 complex, subunit 1B // predicted pseudogene 5637	NM_023142 // XM_486686 // XM_905618	0.00286488	2.1945
1424483	at	Mob1a	MOB kinase activator 1A	NM_145571	0.000947107	2.1943
1429742	a at	Rcbt2b	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing 2	NM_001170694 // NM_134083 // NR_033185	0.000929727	2.1926
1460600	a at	A4A14768	expressed sequence A4A14768	NM_001272033	0.000929773	2.1921
1447960	at	W930017017	uncharacterized protein 636017017	--	0.009292727	2.1923
1429197	s at	Rebap1	RAB GTase activating protein 1-like	NM_001038621 // NM_013862	0.00158703	2.1916
1417813	a at	Ikkbe	inhibitor of kappaB kinase epsilon	NM_019777	0.000244928	2.1907
1448309	a at	Apn31	adaptor-related protein complex 3, mu 1 subunit	NM_018829	3.65E-05	2.1906
1438032	at	Lrch1	leucine-rich repeats and calponin homology (CH) domain containing 1	NM_001033439 // NM_01252132	0.000113266	2.1897
1436933	at	---	---	NM_00343654	2.1896	
1459907	a at	Whsc11	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	NM_001001735 // NM_001081269	0.00259979	2.1890
1448409	at	Lmp	lymphoid-restricted membrane protein	NM_008511	0.00253088	2.1878
1442925	at	Smg1	SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans)	NM_001031814 // NM_177180	0.0085849	2.1856
1441333	a at	---	---	NM_00195721	2.1844	
1448061	a at	Msr1	macrophage scavenger receptor 1	NM_001113326 // NM_031195	0.000532194	2.1837
1419599	s at	Ms4a6d	membrane-spanning 4-domains, subfamily A, member 6D	NM_026835	0.000662225	2.1836
1447174	at	---	---	NM_0083461	2.1835	
1458524	at	Fndc3a	fibronectin type III domain containing 3A	NM_207636	0.0020232	2.1832
1456021	at	Atf6	activating transcription factor 6	NM_001081304	0.00136406	2.1824
1430835	at	Codc125	coiled-coil domain containing 125	NM_001168386 // NM_183115	0.000917898	2.1823
1434937	at	Mycbp2	MYC binding protein 2	NM_207215	0.000884596	2.1822
1420863	a at	Dctn4	dynactin 4	NM_026302	0.00159351	2.1819
1458172	a at	Me2	malic enzyme 2, NAD(+)-dependent, mitochondrial	NM_145494	0.000138437	2.1809
1460249	a at	Lnx2	ligand of numb-protein X 2	NM_080795	0.00630579	2.1797
1436131	a at	Siglech	sialic acid binding Ig-like lectin H	NM_178706	0.00602161	2.1792
1416934	at	Mtm1	X-linked myotubular myopathy gene 1	NM_001164190 // NM_001164191 // NM_001164192 // NM_019926	0.000485136	2.1784
1424266	a at	Pirkx	protein kinase, X-linked	NM_016979	0.00472902	2.1784
1431018	at	Ubash3b	Ubash3b	NM_001081400	0.00496036	2.1782
1434283	a at	And5b	AT rich interactive domain 5B (MRF1-like)	NM_023598	0.00218563	2.1774
1455783	a at	---	---	NM_000491696	2.17611	
1440356	a at	Ciap1	cytokine induced apoptosis inhibitor 1	NM_134141	0.00366585	2.17578
1456403	a at	Pag1	phosphoprotein associated with glycosphingolipid microdomains 1	NM_001195031 // NM_053182	0.000184378	2.17564
1431697	s at	Synj2	synaptosomal-associated protein 2	NM_001113351 // NM_001113352 // NM_001113353 // NM_011523	0.00504468	2.17557
1422298	at	Xer1	chemokine (C motif) receptor 1	NM_011759	0.00053144	2.17475
1436316	at	Kif13	Krueppel-like factor 13	NM_021366	0.00316447	2.17444
1460634	at	Raigs	rat guanine nucleotide dissociation stimulator	NM_001145834 // NM_001145835 // NM_001145836 // NM_009058	0.00680343	2.17394
1429475	at	Ushash3b	ubiquitin associated and SH3 domain containing, B	NM_176860	0.00186255	2.17369
1425973	a at	And5b	AT rich interactive domain 5B (MRF1-like)	NM_023598	0.0026566	2.17358
1449751	s at	Nfkbia	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha	NM_010997	0.006337249	2.17359
1433232	at	Snf2	Snf2 and UNC94 domain containing 2	NM_001205245 // NM_001205246 // NM_194342	0.00333333	2.17419
1425407	s at	Clec4a2 // Clec	C-type lectin domain family 4, member a2 // C-type lectin domain family 4, member b	NM_001170332 // NM_001170333 // NM_001190310 // NM_0011999 // NM_027218	0.000241923	2.17038
1431220	a at	Btb9	BTB (POZ) domain containing 9	NM_027060 // NM_172618	0.008010287	2.17011
1447211	at	Nrip1	nuclear receptor interacting protein 1	NM_173440	0.00880374	2.1701
1437863	a at	Dnah2	dynamin, axonemal, heavy chain 2	NM_001081330 // NM_177617	0.000603534	2.16937
1457688	a at	Fam110a	family with sequence similarity 110, member A	NM_028666 // NM_146127	0.00786315	2.16878
1416980	at	Traf8p8	tumor necrosis factor, alpha-induced protein 8	NM_001177759 // NM_001177660 // NM_134131	0.000124023	2.1667
1454070	a at	Dhdh1	DHD9 domain containing 1	NM_01039106 // NM_001042719 // NM_176845	0.00171765	2.1662
1434159	a at	St4k4	serine/arginine kinase 4	NM_021420	0.000595911	2.16615
1416849	a at	Egln3	EGL nine homolog 3 (C. elegans)	NM_028133	0.00338007	2.16611
1426098	a at	Cast	cathepsin	NM_009817	0.000261843	2.16512
1432848	a at	Frmd8	FERM domain containing 8	NM_026169	0.00103472	2.16272
1442203	a at	Gm2a	GM2 ganglioside activator protein	NM_012099	0.00238416	2.16163
1458370	a at	Bmp2k	BMP2 inducible kinase	NM_080708	0.00193853	2.16095
1416382	a at	Ctsc	cathespin C	NM_009982	0.000944859	2.16095
1431031	a at	And4b	AT rich interactive domain 4B (RBP1-like)	NM_194262 // NM_198122	0.000124023	2.16087
1439825	a at	Dtx3l	detex 3-like (Drosophila)	NM_001013371	0.000297247	2.1588
1427062	at	Rbp8b	retinoblastoma binding protein 8	NM_001081223 // NM_001252495 // NM_175458 // NR_045526 // NR_045527	0.00293216	2.15864
1437079	a at	Sic18a2	solute carrier family 18 (vesicular monoamine), member 2	NM_172523	0.00253013	2.15801
1421670	a at	Irk4	interleukin-1 receptor-associated kinase 4	NM_029926	0.000379625	2.15801
1437119	a at	Em1	endoplasmic reticulum (ER) to nucleus signalling 1	NM_023913	0.000921645	2.15779
1442623	a at	Cndp2	CNDP dipeptidase 2 (metalloendopeptidase M20 family)	NM_023149	8.27E-05	2.15766
1424775	a at	Oas1a	2'-5' oligoadenylate synthetase 1A	NM_145211	0.000182303	2.15739
1428287	s at	No4l1	nucleolar complex associated 4 homolog (S. cerevisiae)	NM_153570	5.40E-05	2.15702
1424545	a at	Mtrm6	myotubularin related protein 6	NM_144843	0.00288778	2.15609
1433657	a at	Fam78a	family with sequence similarity 78, member A	NM_175511	0.00036604	2.15569
1448957	a at	Dusp2	dual specificity phosphatase 2	NM_010090	0.00189164	2.15191
1443814	x at	Ctsb	cathepsin H	NM_007801	0.00117681	2.1518
1424587	a at	Slu7	SLU7 splicing factor homolog (S. cerevisiae)	NM_148673 // NM_198936	0.00194244	2.1517

1430441_x_at	Lats2	large tumor suppressor 2	NM_0165771 // NM_153382	0.000274427	2.14505
1439323_x_at	Map4k1	mitogen-activated protein kinase kinase kinase kinase 1	NM_008279	0.000256894	2.14441
1451977_x_at	Dirk1a	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1a	NM_001113389 // NM_007690	0.001054651	2.14357
1452232_x_at	Gahn7	UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase	NM_001167981 // NM_144731	0.001012323	2.14424
1427763_x_at	Tmem9d-3	T cell receptor alfa/beta variable 9D-3	---	0.005146258	2.14326
145529_x_at	Ankh1d1	ankyrin repeat domain KH domain containing 1	NM_175375	0.00457709	2.14309
1416380_x_at	Mov10	Moloney leukemia virus 10	NM_001163440 // NM_001163441 // NM_008619	0.00243816	2.14292
1414046_x_at	Bcl11a	B cell CLL/lymphoma 11a (zinc finger protein)	NM_001159289 // NM_001159290 // NM_001242934 // NM_0016707	0.00338419	2.14167
1452361_x_at	Parp4	poly (ADP-ribose) polymerase family, member 4	NM_001145978	0.00246258	2.14173
1441145_x_at	Phf21a	PHF finger protein 21A	NM_001109690 // NM_001109691 // NM_138755	0.008715	2.1417
1429331_x_at	Fest2	fever-like antigen 2	NM_008037	0.00709222	2.14159
1451299_x_at	Prkx	protein kinase, X-linked	NM_016979	0.00379803	2.14097
1428975_x_at	Susdh3	sushi domain containing 3	NM_025491 // NM_028340	0.000428052	2.14079
1437483_x_at	Zfp513	zinc finger protein 513	NM_001177901 // NM_175311	0.00157309	2.13854
1439526_x_at	---	---	---	0.00917135	2.13843
1428391_x_at	Rab3il1	RAB3A interacting protein (rabin3)-like 1	NM_144538	0.00627983	2.13815
1424989_x_at	Orai1	Orai1 calcium release-activated calcium modulator 1	NM_175423	0.000688292	2.13793
1428997_x_at	Phf23	PHF finger protein 23	NM_030084	3.38E-05	2.13762
1423731_x_at	Sf1	splicing factor, 1	NM_001110791 // NM_011750	0.00315631	2.13691
1416804_x_at	Ehbp11	EH domain binding protein 1-like 1	NM_001114595 // NM_001114596 // NM_001114597 // NM_053252	0.00117597	2.13539
1417491_x_at	Ct8b	cathespin B	NM_007798	0.00351144	2.13528
1441322_x_at	Skap1	src family associated phosphoprotein 1	NM_001033186 // NM_001177898 // NM_001177899	0.000724276	2.13524
1450744_x_at	Ell2	elongation factor RNA polymerase II 2	NM_138953	0.00396656	2.13473
1428286_x_at	Noo41	nucleolar complex associated 4 homolog (S. cerevisiae)	NM_153570	1.67E-05	2.13443
1415791_x_at	Rnf34	ring finger protein 34	NM_030564	0.005053	2.13359
1442186_x_at	Atxn7	ataxin 7	NM_139227	0.00542641	2.13331
1437052_s_at	Slc2a3	solute carrier family 2 (facilitated glucose transporter), member 3	NM_011401	0.00157514	2.13311
1427909_x_at	1110037F02Rik	RIKEN cDNA 1110037F02 gene	NM_001081183	0.000693541	2.13191
1436833_x_at	Lasp1	LIM and SH3 protein 1	NM_010688	2.35E-06	2.13055
1424030_x_at	Gm11	grainy-head-like 1 (Drosophila)	NM_00161406 // NM_145890	0.00642798	2.13036
1451082_x_at	Ftsj2d // Rnf8	Ftsj methyltransferase domain containing 2 // ring finger protein 8	NM_021419 // NM_028791	0.00138549	2.12855
1429187_x_at	Tmed7	transmembrane emp24 protein transport domain containing 7	NM_025698	0.00916795	2.12826
1431337_x_at	Fam45a	family with sequence similarity 45, member A	NM_001676299 // NM_026437	0.00127334	2.12781
1422286_x_at	Tgfr1	TGF-beta-induced factor homeobox 1	NM_001164074 // NM_001164075 // NM_001164076 // NM_009372	0.00412049	2.12628
1404982_x_at	LOC552909	uncharacterized LOC552909	---	0.00190274	2.1249
1416263_x_at	Acbc9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	NM_019875	0.00110542	2.12475
1435939_x_at	Hepacam2	HEPCAM family member 2	NM_178899	0.00379449	2.12446
1456473_x_at	Arf2	ADP-ribosylation factor 2	NM_007477	0.000496688	2.12432
1444619_x_at	Psmb8	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase)	NM_010724	0.000116854	2.12386
1444943_x_at	---	---	---	1.89E-05	2.12372
1428186_x_at	Kctd6	potassium channel tetramerisation domain containing 6	NM_027782	0.000171648	2.12361
1448189_x_at	Flin // LOC101050	flightless I homolog (Drosophila) // protein flightless-1 homolog	NM_022009 // XM_003946397	0.00168108	2.12336
1418854_x_at	Birc2	baculoviral IAP repeat-containing 2	NM_007465	0.000102678	2.12283
1416653_x_at	Stxbp3a	syntaxin binding protein 3A	NM_015004	0.00122234	2.12226
1424961_x_at	Tapbp1	TAP binding protein-like	NM_145391	0.00886247	2.12224
1448341_x_at	Stom	stomatin	NM_013515	0.00228643	2.12207
1423470_x_at	Exoc2	exocyst complex component 2	NM_013568	0.00721126	2.11954
1431301_x_at	Ranl	Ran and RanGAP-interactor-like	NM_177153	0.0061444	2.11953
1453801_x_at	Ikd2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	NM_173011	0.00651963	2.11977
142092_x_at	Ank2e2	ankyrin repeat and LEM domain containing 2	NM_001253814 // NM_027922	0.000970168	2.11897
1451643_x_at	Rob4b	Rob48, member RAS oncogene family	NM_023931	0.0027596	2.11888
147849_x_at	Mafl	avian myelocytogenous leucemia virus oncogene homolog (v-maf) AS42 oncogene homolog	NM_001026577	0.000289974	2.11839
1455836_x_at	Mvp	major vault protein	NM_080638	0.000536618	2.11575
1455851_x_at	Gm20599	predicted gene 20599	XR_104969	0.00409903	2.11571
1420886_x_at	Xbp1	X-box binding protein 1	NM_001217170 // NM_013842	0.000348009	2.11569
1436202_x_at	Malat1	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	NR_002847	0.00870022	2.11532
1435068_x_at	Pip4k2b	phosphatidylinositol 4-phosphate 4-kinase, type II, beta	NM_054051	0.00606864	2.11481
1440778_x_at	Zfp712	zinc finger protein 712	NM_001166218	0.00122509	2.11378
1439787_x_at	P2rx7	purinergic receptor P2X, ligand-gated ion channel, 7	NM_001038839 // NM_001038845 // NM_001038887 // NM_011027	0.00339176	2.11355
1420342_x_at	Gdpl10	ganglioside-induced differentiation-associated protein 10	NM_045032	0.0071697	2.11285
1434496_x_at	Plik3	polo-like kinase 3	NM_013917	0.000476827	2.11241
1451255_x_at	Lsr	lipolysis stimulated lipoprotein receptor	NM_001164184 // NM_001164185 // NM_017405	0.000177106	2.11228
1423411_x_at	Rbm47	RNA binding motif protein 47	NM_00127382 // NM_139065 // NM_178446	0.000964957	2.11185
1423681_x_at	Ftsj2d // Rnf8	Ftsj methyltransferase domain containing 2 // ring finger protein 8	NM_021419 // NM_028791	0.000122024	2.11118
1456363_x_at	St71	suppression of tumorigenicity 7-like	NM_001253702 // NM_001253703 // NM_153091 // NR_045578	0.000483258	2.11035
1422548_x_at	Dhds	dehydrololichol diiphosphate synthase	NM_026144	0.000878536	2.10969
1452414_x_at	Cdc68	coiled-coil domain containing 86	NM_023731	0.00457381	2.10968
1429266_x_at	---	---	---	0.00171287	2.10938
1429816_x_at	Armc3	armadillo repeat containing 3	NM_001081083 // NM_001271563 // NM_001271564 // NM_001271565	0.00183494	2.10933
1417884_x_at	Slc16a6	solute carrier family 16 (monocarboxylic acid transporters), member 6	NM_001029842 // NM_134038	0.000894068	2.10922
1428230_x_at	Prkd3	protein kinase D3	NM_001171004 // NM_001171005 // NM_029239	0.000255731	2.10919
1444369_x_at	---	---	---	0.000661146	2.10898
1446054_x_at	Khn8	KH and NRY domain containing	NM_027143	0.00508651	2.10847
1428323_x_at	Gpd2	glycerol phosphate dehydrogenase 2, mitochondrial	NM_001145820 // NM_010274	0.00239475	2.10819
1440919_x_at	Mob3c	MOB kinase activator 3C	NM_175308	0.000730516	2.10804
1426221_x_at	Vwa5a	von Willebrand factor A domain containing 5A	NM_001145957 // NM_172767	0.00568928	2.10767
1436913_x_at	Cdc14a	CDC14 cell division cycle 14A	NM_001080813 // NM_001173553	0.00435688	2.10698
1423383_x_at	Osbp9	oxysterol binding protein-like 9	NM_001134791 // NM_133885 // NM_173350	7.37E-06	2.10629
1451260_x_at	Aldh1b1	aldehyde dehydrogenase 1 family, member B1	NM_028270	0.00104091	2.10581
1423434_x_at	Ndr1g1	N-myristoyl downstream regulated gene 1	NM_006861	0.000490356	2.10493
1419698_x_at	St8sia1	ST8 alpha-N-acetylneuraminate alpha-2,6-sialyltransferase 1	NM_011374	0.00341625	2.10362
1420905_x_at	Il17ra	interleukin 17 receptor A	NM_008359	0.002444	2.10342
1454633_x_at	Etnk1	ethanolamine kinase 1	NM_029250	0.000535062	2.1026
1427658_x_at	Ctbs	chitobiase, di-N-acetyl-	NM_028836	0.00439539	2.10087
1446414_x_at	---	---	---	0.00339324	2.10052
1437317_x_at	Uba7	ubiquitin-like modifier activating enzyme 7	NM_023738	1.21E-05	2.10002
1418248_x_at	Gla	galactosidase, alpha	NM_013463	0.000143213	2.0989
1415758_x_at	Fry1	furry homolog (Drosophila)	NM_028199 // NM_177136	0.00189293	2.09883
1449852_x_at	Ehd4	EHD-domain containing 4	NM_138388	0.00729554	2.09862
1416360_x_at	Stx18	syntaxin 18	NM_139156	0.00020363	2.09853
1421880_x_at	Mirn1	microtubule-related protein 1	NM_166925	0.0009174	2.09807
1422861_s_at	Pdlim5	PDZ domain and LIM domain 5	NM_001190852 // NM_001190853 // NM_001190854 // NM_001190855 // NM_001190856	0.00315306	2.09721
1431046_x_at	Pdlim6	PDZ domain and LIM domain 6	NM_172037	0.00392473	2.09573
1427233_x_at	Teh1z	teashirt-like finger family member 1	NM_001081300	0.00233077	2.09385
1440343_x_at	Sin3a	transcriptional regulator, SIN3A (yeast)	NM_001110350 // NM_001110351 // NM_011378	0.00160723	2.09325
1428496_x_at	Sec61bp2	SEC61 binding protein 2	NM_029279	0.000350125	2.09226
1455594_x_at	Exoc3	exocyst complex component 3	NM_177333	0.000180465	2.09172
1438116_x_at	Sic8931	solute carrier family 9 (sodium/hydrogen exchanger), member 1	NM_012030	0.000122176	2.08943
1417477_x_at	D1Etd622e	DNA segment, Chr 1, ERATO Dio 622, expressed	NM_138285	0.00311191	2.08875
1418070_x_at	Cdf1	chromodomain protein, Y chromosome-like	NM_001213386 // NM_001213387	0.00410113	2.08833
1424578_x_at	Arrdc1	arrestin domain containing 1	NM_001162485 // NM_178408 // NR_027876	0.000476129	2.08832
1421588_x_at	Trof514	tumor necrosis factor (ligand) superfamily, member 14	NM_019418	0.0036845	2.08825
1419655_x_at	Tie3	transducin-like enhancer of split 3, homolog of Drosophila E(spl)	NM_001083927 // NM_001083928 // NM_009389	0.000403025	2.08817
1420862_x_at	Dctn4	dynactin 4	NM_026302	0.000173112	2.08802
1420813_x_at	Hdcac7	histone deacetylase 7	NM_001204275 // NM_001204276 // NM_001204277 // NM_001204278 // NM_00120427	0.000530103	2.08754
1422537_x_at	Id2	inhibitor of DNA binding 2	NM_010496	0.000152464	2.08688
1460555_x_at	Fam65b	family with sequence similarity 65, member B	NM_001080381 // NM_029679 // NM_178658	0.000537841	2.08657
1457776_x_at	Aldh3a2	aldehyde dehydrogenase family 3, subfamily A2	NM_007437	0.00279634	2.08312
1449317_x_at	Cflar	CASP8 and FADD-like apoptosis regulator	NM_009805 // NM_207653	0.000278674	2.08295
1422581_x_at	Pias1	protein inhibitor of activated STAT 1	NM_019683	0.00215047	2.08293
1430672_x_at	5033418A18Rik	RIKEN cDNA 5033418A18 gene	---	0.00565275	2.08285
1419810_x_at	Arhgap9	Rho GTPase activating protein 9	NM_146011	0.00045566	2.08085
1430213_x_at	Rcbt1	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing	NM_027764	6.32E-05	2.08059
1455339_x_at	Fkbp15	FK506 binding protein 15	NM_001045528	0.00142294	2.08022
1442256_x_at	Prkcd	protein kinase C, delta	NM_011103	0.00089856	2.07976
1421337_x_at	Eif4	E74-like factor 4 (ets domain transcription factor)	NM_019680	0.00358128	2.07976
1424316_x_at	Sic25a19	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	NM_001252384 // NM_001252394 // NM_001252395 // NM_001252396 // NM_026071	0.00335344	2.07916
1424824_x_at	Slain1	SLAIN1 motif family, member 1	NM_198014	0.00336558	2.07857
1433821_x_at	Tmem198b	transmembrane protein 198b	NM_178066	0.00299522	2.07649
1450030_x_at	Dctn4	dynactin 4	NM_026302	0.0023585	2.07624
1448175_x_at	Ehd1	EHD-domain containing 1	NM_011191	0.00579615	2.07521
1435295_x_at	Dopey1	dopey family member 1	NM_177208	0.00092149	2.07481
1416992_x_at	Mfnf1	MFNFG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	NM_008959	0.000916707	2.07464
1434061_x_at	Rp2h	retinitis pigmentosa 2 homolog (human)	NM_133669	0.0007952	

1424706	zfp51	zinc finger protein 51	NM_009558	0.00137065	2.06868
1436574	Znf41-ps	ZNF41, pseudogene	NM_027285 // NM_040355	0.00595152	2.06758
1445395	a_at	Dab2	disabled 2, mitogen-responsive phosphoprotein	0.00108702 // NM_001037905 // NM_001102400 // NM_023118	2.06757
1450131	a_at	BspvY	LIM and SPRY domain containing	NM_138953	0.000219829
1436302	a_at	Lrrk1	LIM and SH3 domain containing	NM_010936	1.42836
1424564	a_at	Rifdc1	replication termination factor 2 domain containing 1	NM_025542 // NM_175297	1.72405
1417207	a_at	Dv12	dishhevelled 2, dsh homolog (Drosophila)	NM_007888	0.0005444388
1426826	a_at	Scaf8	SPR-related CTD-associated factor 8	NM_134123	5.61E-05
1452271	a_at	Xpr1	neurotropic and polytropic retrovirus receptor 1	NM_011273	0.000978323
1436703	a_at	Gak	cyclin G associated kinase	NM_153569	9.82E-06
1452940	x_at	Pitpnc1	phosphatidylinositol transfer protein, cytoplasmic 1	NM_145823	0.00128045
1424664	a_at	Fam22b	family with sequence similarity 222, member B	NM_145430	0.00596319
1451715	a_at	Mafb	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)	NM_010658	0.000799589
1424028	a_at	Chtf8	CTF8, chromosome transmission factor 8	NM_145412	0.00120287
1421176	a_at	Rasgrp1	RAS guanyl releasing protein 1	NM_011246	0.000632132
1440481	a_at	Stat1	signal transducer and activator of transcription 1	NM_001205313 // NM_001205314 // NM_009283	0.00146283
1436950	a_at	Crk1	v-crk sarcoma virus CT1 oncogene homolog (avian)-like	NM_001277231 // NM_007764	0.00290311
1453960	a_at	Caozb	capping protein (actin filament), muscle Z-line, beta	NM_001037761 // NM_001271405 // NM_001271406 // NM_009798	0.000902984
1430386	a_at	E030024N20Rik	peptidylprolyl isomerase A pseudogene 8	NM_033228	0.0006455533
1426635	a_at	Acbd3	acyl-Coenzyme A binding domain containing 3	NM_133225	0.00449127
1451339	a_at	Suxo	sulfite oxidase	NM_173733	0.00406841
1453300	a_at	Slc35d2	solute carrier family 35, member D2	NM_001001321	0.0008624918
1427962	a_at	Ccdc102a	coiled-coil domain containing 102A	NM_001033533	0.00157356
1433747	a_at	Lnpep	leucyl/cystein aminopeptidase	NM_172827	0.0010336
1428615	a_at	Lpar6	lysophosphatidic acid receptor 6	NM_175116	0.00231272
1435302	a_at	Taf4b	TAFFB RNA polymerase II, TATA box binding protein (TBP)-associated factor	NM_001100449	0.00110311
1452246	a_at	Ostf1	osteoclast stimulating factor 1	NM_017375	0.000454507
1435927	a_at	Denn3	DENN/MADD domain containing 3	NM_001081066	0.00473636
1423198	a_at	Smek2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	NM_134034	0.001134518
1431712	a_at	R231022A10Rik	RIKEN cDNA 2310022A10 gene	NM_001222767 // NM_175107	0.0005624254
1420953	a_at	Add1	adducin 1 (alpha)	NM_001024458 // NM_001102444 // NM_013457	0.00213045
1423185	a_at	Ubap1	ubiquitin-associated protein 1	NM_023305	0.0011025
1450853	a_at	Tle4	transducin-like enhancer of split 4, homolog of Drosophila E(spl)	NM_011600	0.00044972
1443777	a_at	---	---	0.0021593	2.0507
1425058	a_at	Zfp472	zinc finger protein 472	NM_153063	0.00570798
1419669	a_at	Prtn3	protease 3	NM_011178	0.00652661
1426431	a_at	Zchc24	zinc finger, CCCH domain containing 24	NM_00110433	0.00461581
1421076	a_at	Sertd3	SERTA domain containing 3	NM_133210	0.00593137
1415697	a_at	G3bp2	GTPase activating protein (SH3 domain) binding protein 2	NM_001080794 // NM_001080795 // NM_001080796 // NM_001080797 // NM_011816	0.000214403
1421384	a_at	Lyst	lysosomal trafficking regulator	NM_010748	0.00476692
1434991	a_at	Fbxw17	F-box and WD-40 domain protein 17	NM_175401	0.00260562
1439315	a_at	Satb1	special AT-rich sequence binding protein 1	NM_001163630 // NM_001163631 // NM_001163632 // NM_009122	0.00259418
1430227	a_at	LOC100862594	IBC1 domain family member 14-like // IBC1 domain family, member 14	NM_00111362 // NM_00111364 // NM_133910 // XM_003689371 // XM_003689373 //	0.00767767
1426879	a_at	Trrmt1	tRNA methyltransferase 1 like	NM_026871	0.00426969
1450876	a_at	Ctn	complement component Ctn	NM_009588	0.004471769
1456340	a_at	Fcer1g	Fc receptor, IgE, high affinity I, gamma polypeptide	NM_010615	0.000634545
1457450	a_at	Symp	sympathetic nervous system	NM_00110780 // NM_013680	0.00824669
1457544	a_at	Wihsc1l1	Wih-Hirschhorn syndrome candidate 1-like 1 (human)	NM_001001735 // NM_001081269	0.001509685
1420679	a_at	Aip1	androgen-induced 1	NM_025448	0.00125368
1449619	s_at	Arhgap9	Rho GTPase activating protein 9	NM_146301	0.000627494
1437398	a_at	Wip2	WAS/WASL-interacting protein family, member 2	NM_197940	0.00185898
1422639	a_at	Calcb	calcitonin-related polypeptide beta	NM_054084	0.00890767
1416086	a_at	Test2	protein tyrosine sulfotransferase 2	NM_009419	0.00105112
1418448	a_at	Rras	Harvey rat sarcoma oncogene, subgroup R	NM_009101	0.00568362
1427177	a_at	Fycov1	FYVE and coiled-coil domain containing 1	NM_001120523 // NM_148925	0.000784827
1417976	a_at	Ada	adenosine deaminase	NM_001272052 // NM_007398	0.00115339
1428187	a_at	Cd47	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	NM_010581	0.00315861
1427932	a_at	R120003110Rik	RIKEN cDNA 120003110 gene // RIKEN cDNA 1200015M12 gene // RIKEN cDNA NR_02860	0.00420612	
1427742	a_at	Kif6	Krueppel-like factor 6	NM_011803	0.000538119
1454026	a_at	Ros3	regulator of G-protein signaling 3	NM_001081650 // NM_019492 // NM_134257	0.00452951
1428131	a_at	Cdc42se1	CDC42 small effector 1	NM_001038708 // NM_172395	0.000632371
1416758	a_at	Arhgap27	Rho GTPase activating protein 27	NM_1205236 // NM_133715 // NM_183288	0.000338568
1417423	a_at	Grina	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate)	NM_023186	0.00210837
1423791	a_at	Ik	IK cytokine	NM_011879	0.000178869
1436499	a_at	Sqms1	sphingomyelin synthase 1	NM_001168525 // NM_001168526 // NM_144792	0.00331955
1435778	a_at	Ankrd11	ankyrin repeat domain 11	NM_001081379 // NR_037865	0.00106767
1437101	a_at	Lats2	large tumor suppressor 2	NM_015771 // NM_153382	0.00770144
1426100	a_at	Tk2	thymidine kinase 2, mitochondrial	NM_021028 // NR_045642	0.00316147
1425801	x_at	Cot1f	coatsin-1 (Dictyostelium)	NM_028071	0.000211734
1433556	a_at	Adap1	AdGAP with dual PH domains 1	NM_172723	0.000895861
1449111	a_at	Grb2	growth factor receptor bound protein 2	NM_008163	0.000856464
1451201	s_at	Rhn1	ribonuclease/angiogenin inhibitor 1	NM_001172100 // NM_001172101 // NM_145135	1.38E-05
1450792	a_at	Tyrbp	TYRO3 protein tyrosine kinase binding protein	NM_011662	0.000167105
1457687	a_at	Bcl2	B cell leukemia/lymphoma 2	NM_009741 // NM_177410	0.000463173
1448351	a_at	Corin1b	coronin, actin binding protein 1B	NM_011778	0.000147058
1417685	a_at	Ankyf1	ankyrin repeat and FYVE domain containing 1	NM_009671	0.00491845
1435549	a_at	Trpm4	transient receptor potential cation channel, subfamily M, member 4	NM_175130	0.000985141
1436364	a_at	Irfb2p	interferon regulatory factor 2 binding protein 2	NM_001164598	0.000833491
1440527	a_at	---	---	0.00639979	2.02778
1451015	a_at	Zfp263	zinc finger protein 263	NM_148924	0.000197841
1456005	a_at	Bcl211	BCL2-like 11 (apoptosis facilitator)	NM_009754 // NM_207680 // NM_207681	0.00172628
1428702	a_at	Dox28	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	NM_028038	1.63E-05
1423153	x_at	Ctfh	complement component factor h	NM_009888	0.0016539
1425571	a_at	Slam1	signaling lymphocyte activation molecule family member 1	NM_013730	0.00876525
1424095	a_at	Sdcbp2	syndecan binding protein (syntenin) 2	NM_145535	0.00891244
1455132	a_at	Rasal3	RAS protein activator like 3	NM_017875	0.00219136
1437102	a_at	Ythdf1	YTH domain family 1	NM_173761	0.000473105
1430191	a_at	9130004J05Rik	RIKEN cDNA 9130004J05 gene	XR_105729 // XR_106921	0.00274251
1452113	a_at	Tbc1d25	TBC1 domain family, member 25	NM_00166437 // NM_172478	0.000441445
1421603	a_at	K03	Krueppel-like factor 3 (basic)	NM_008445	0.0020303
1426351	a_at	Ppp1m	protein phosphatase 1M	NM_025447 // NM_198931	0.00322149
1423266	a_at	Sph2	SPFH domain-containing protein 23	NM_00117792 // NM_00117793 // NM_009222	0.00052535
1430913	a_at	Pabpc11	poly(A) binding protein, cytoplasmic 1-like	NM_001114079	0.00784197
1431502	a_at	Exosc3	exosome component 3	NM_025513	0.000256687
1433561	a_at	Acap2	ArgGAP with coiled-coil, ankyrin repeat and PH domains 2	NM_031038	0.0008038
145739	a_at	Rbm2	RNA binding motif protein 42	NM_133693	8.63E-05
1454665	a_at	Irfb2p	interferon regulatory factor 2 binding protein 2	NM_001164598	0.00648427
1428347	a_at	Cyfr2	cytoplasmic FMR1 interacting protein 2	NM_001252459 // NM_001252460 // NM_133769	0.00446701
1419803	s_at	Codc12	coiled-coil domain containing 12	NM_028311	0.000816455
1420384	a_at	Col4a3bp	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	NM_001164222 // NM_023420	0.00430883
1437061	a_at	Mbd1	methyl-CpG binding domain protein 1	NM_013594	0.00122104
1448709	a_at	Arid1a	AT rich interactive domain 1A (SWI-like)	NM_01080819	0.00642382
1434222	a_at	Sipa11	soluble-induced proliferation-associated 1 like 1	NM_001167983 // NM_172579	0.00658153
1417431	a_at	Sphk2	sphingosine kinase 2	NM_001172561 // NM_020111 // NM_203280	0.00605978
1441352	a_at	9430034N14Rik	RIKEN cDNA 9430034N14 gene	---	0.00111683
1416554	a_at	Pdlim1	PDZ and LIM domain 1 (elfin)	NM_016881	0.000232858
1429427	s_at	Tcf7l2	transcription factor 7 like 2, T cell specific, HMG box	NM_001142918 // NM_001142919 // NM_001142920 // NM_001142921 // NM_001142922	0.00180542
1440026	a_at	---	---	0.00313511	2.0363
1451755	a_at	Apobec1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	NM_001134391 // NM_031159	0.0014184
1428229	a_at	Prkd3	protein kinase D3	NM_001171004 // NM_001171005 // NM_029239	0.000659528
1416655	a_at	C1galt1c1	C1GALT1-specific chaperone 1	NM_021550	0.00392255
1433590	a_at	Herc3	heat domain and RLD 3	NM_028705	0.00629915
1449439	a_at	Kif7	Krueppel-like factor 7 (ubiquitous)	NM_033563	0.000939962
1450173	a_at	Ripk2	receptor (TNFRSF)-interacting serine-threonine kinase 2	NM_138952	0.00442348
1426848	a_at	Sec24b	Sec24-related gene family, member B (S. cerevisiae)	NM_207209	3.14E-05
1433617	s_at	B4galts	UDP-Gal-betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5	NM_019835	9.09E-05
1427653	a_at	Trav9d-3	T cell receptor alpha variable 9D-3	---	0.000570033
1448793	a_at	Sdc4	syndecan 4	NM_011521	0.0059548
1450738	a_at	Kif21a	kinesin family member 21A	NM_001109040 // NM_001109041 // NM_001109042 // NM_016705	0.000847329
1437415	a_at	4933427D06Rik	RIKEN cDNA 4933427D06 gene	NM_175017	0.00746748
1424077	a_at	Gdpd1	glycerophosphodiester phosphodiesterase domain containing 1	NM_025638	0.000776401
1423081	a_at	Tomm20	translocase of outer mitochondrial membrane 20 homolog (yeast)	NM_024214	0.00763658
1431918	a_at	Bri3bp	Bri3 binding protein	NM_029752	6.97E-06
1442120	a_at	G730007D18Rik	RIKEN cDNA G730007D18 gene	---	0.00734852
1421933	a_at	Cbx5	chromobox 5	NM_001076789 // NM_001110216 // NM_007626	0.00608149
1439509	a_at	Scm1	secrein 1	NM_027268	0.00532563
1436303	a_at	Tmem200a	transmembrane protein 200A	NM_029881	0.00273974
1424076	a_at	Gdpd1	glycerophosphodiester phosphodiesterase domain containing 1	NM_025638	0.000134545
1424760	a_at	Smyd2	SET1 and MYND domain containing 2	NM_026796	0.003732
1443430	a_at	---	---	0.00715705	-2.00628
1437053	a_at	Dnaic1	dynein, axonemal, intermediate chain 1	NM_175138	0.00183452
1446210	a_at	Pkd1	polycystic kidney disease 1 homolog	NM_010930	0.0060792
1426785	s_at	Mgil	monoglyceride lipase	NM_001166249 // NM_001166250 // NM_001166251 // NM_011844	0.000204969
1455409	a_at	Spir1	spire homolog 1 (Drosophila)	NM_176832 // NM_194355	0.0007826191

1432248_at	5430402P08Rik	RIKEN cDNA 5430402P08 gene	-	0.00061145	-2.00992
1425881_at	Psg28	pregnancy-specific glycoprotein 28	NM_001079869 /// NM_010455	0.00789494	-2.01071
1456229_at	Hoxd3	homeobox B3	NM_001079863	0.00712266	-2.01123
1452235_at	Manb1	mannosidase, alpha, class 1B, member 1	NM_001079863	5.63E-06	-2.0126
1447366_at	Myo1b	myosin IB	NM_001161817 /// NM_010863	0.00508454	-2.01323
1446936_at	Miph	melanophilin	NM_053015	0.00285531	-2.0135
1448300_at	Mgst3	microsomal glutathione S-transferase 3	NM_025594 /// NM_029392	0.00032425	-2.01379
1418470_at	Yes1	Yamaguchi sarcoma viral (v-yes) oncogene homolog 1	NM_001205132 /// NM_001205133 /// NM_009535	0.00233726	-2.01392
1443056_at	-	-	-	0.00680353	-2.01402
1424718_at	Mapt	microtubule-associated protein tau	NM_001038609 /// NM_010838	0.0010316	-2.01428
1414989_s_at	Jkamp	LINK1/MARK8-associated membrane protein	NM_001205067 /// NM_024205	0.0009234437	-2.01514
1429778_at	Optn	optineurin	NM_181848	0.00756424	-2.01544
1441890_x_at	Tmef1	transmembrane protein with EGF-like and two follistatin-like domains 1	NM_021436	0.000369627	-2.01557
1436907_at	Nav1	neuron navigator 1	NM_173437	0.0009171902	-2.017
1447398_at	-	-	-	0.00175336	-2.01766
1459720_x_at	-	-	-	0.00234844	-2.01802
1429798_s_at	Cmtm5	CKLF-like MARVEL transmembrane domain containing 5	NM_026086 /// NM_029390	0.000543325	-2.01872
1457345_at	-	-	-	0.00629798	-2.02023
1458440_at	LOC101055684	cytospin-B-like // sperm antigen with calponin homology and coiled-coil domains 1	NM_001029936 /// XM_003945641	0.00212673	-2.0209
1428347_at	Ncapd2	non-SMC condensin I complex, subunit D2	NM_1461771	0.00158185	-2.02145
1431084_x_at	1810014B01Rik	RIKEN cDNA 1810014B01 gene	NR_015572	0.000530494	-2.0225
1444411_at	-	-	-	0.005517058	-2.02261
1436029_at	Bicc1	bicaudal C homolog 1 ( <i>Drosophila</i> )	NM_031397	0.00342802	-2.0227
1421019_at	1700021F05Rik	RIKEN cDNA 1700021F05 gene	NM_026411	0.000368545	-2.02309
1416494_at	LOC100504968	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5-like // NADH dehydrogenase	NM_001030274 /// XM_003086602	0.000281604	-2.02326
1449244_at	Cdh2	cadherin 2	NM_007664	0.00474991	-2.02544
1447093_at	-	-	-	0.00724565	-2.02736
1422320_x_at	Phx5	per-hexamer repeat gene 5	NM_008836 /// XR_035720 // XR_035721 // XR_035722	0.008677319	-2.02811
1457686_a_at	Tmem69	transmembrane protein 69	NM_177670	0.00118784	-2.02824
1418892_at	Rhoj	ras homolog gene family, member J	NM_023275	0.00163687	-2.03001
1423693_at	Cela1	chymotrypsin-like elastase inhibitor, member 1	NM_033612	0.00389541	-2.03088
1424042_at	Tmem5	transmembrane protein 5	NM_153059	7.20E-05	-2.03109
1436137_at	Sic6a17	solute carrier family 6 (neurotransmitter transporter), member 17	NM_172271	0.000228884	-2.03258
1435484_at	Sic5a3	solute carrier family 5 (neurotransmitter transporter), member 3	NM_017391	0.000602511	-2.03278
1456189_x_at	Ltpb3	latent transforming growth factor beta binding protein 3	NM_008520	0.00015993	-2.03315
1447066_at	Gm15535	predicted gene 15535	-	0.00750892	-2.03385
1430023_at	Spat24	spermatogenesis associated 24	NM_027733 /// NM_029485	0.0091235	-2.03403
1432149_at	Dph1	DPH1 homolog ( <i>S. cerevisiae</i> )	NM_144491	0.00262559	-2.03435
1456909_at	BC023202	cDNA sequence BC023202	-	0.00110649	-2.0355
1424804_at	Lama4	laminin, alpha 4	NM_010681	0.0041489	-2.0363
1455793_at	Fam149a	family with sequence similarity 149, member A	NM_153535	0.00392918	-2.03633
1431225_at	-	-	-	0.00378976	-2.03705
1417233_at	Chchd4	coiled-coil-helix-coiled-coil-helix domain containing 4	NM_133928	0.00302546	-2.03785
1441957_x_at	241007612Rik	RIKEN cDNA 241007612 gene	NM_028598	0.00664453	-2.03861
1449334_at	Timp3	tissue inhibitor of metalloproteinase 3	NM_011595	0.0095223	-2.03869
1435074_at	Tmem106b	transmembrane protein 106B	NM_027992	4.47E-06	-2.03927
1440090_at	Slc25a27	solute carrier family 27, member 27	NM_011591	0.0047605	-2.04014
1433575_at	Sox4	SOX4 transcription factor	NM_0092338	0.00409518	-2.04111
1432653_at	4930533B01Rik	RIKEN cDNA 4930533B01 gene	NR_040614	0.00244859	-2.04223
1448971_at	Copgr	coordinator of PRMT5, differentiation stimulator	NM_025566	0.0009378444	-2.04562
1437553_x_at	Six4	insulin oculis-related homeobox 4	NM_011382	0.0082144	-2.04635
1425680_at	S100a16	S100 calcium binding protein A16	NM_026416	0.00160967	-2.04715
1449947_s_at	Zfh3	zinc finger homeobox 3	NM_007496	0.000970402	-2.04782
1417270_at	Wdr12	WD repeat domain 12	NM_001199060 /// NM_01199061 // NM_021312	0.003089893	-2.04918
1419689_at	Gpc6	glypcan 6	NM_001079844 /// NM_011821	3.42E-05	-2.04843
1437717_x_at	2610005L07Rik	cadherin 11 pseudogene // uncharacterized LOC101056086	NM_001024708 // NM_001033456 // NR_028428 // XM_003945428	0.00113656	-2.05038
1437405_at	Igfbp4	insulin-like growth factor binding protein 4	NM_010510	0.00446122	-2.05054
1422670_at	Rnd2	Rho family GTPase 2	NM_009708	0.00892926	-2.05399
1429403_x_at	Glt802	glycosyltransferase 8 domain containing 2	NM_029102	1.40E-05	-2.05472
1434544_at	Bola2	bola-like 2 ( <i>E. coli</i> )	NM_175103	0.00105228	-2.05513
1420491_at	Eif2s1	eukaryotic translation initiation factor 2, subunit 1 alpha	NM_026114	0.00572728	-2.05526
1422398_at	Hist1h1e	histone cluster 1, H1e	NM_015787	0.00386577	-2.05528
1446963_at	-	-	-	0.000944671	-2.05547
1450881_s_at	Gpr137b	G protein-coupled receptor 137B	NM_031999	0.000442267	-2.05637
1447878_s_at	Fofrl1	fibroblast growth factor receptor-like 1	NM_001164259 /// NM_054071	0.00356366	-2.06045
1439464_s_at	Tex10	testis expressed gene 10	NM_172304	0.00379542	-2.06262
1450865_s_at	Mtrps24	mitochondrial ribosomal protein S24	NM_026080	0.00346681	-2.06327
1456932_at	Mtdh	metadherin	NM_026002	6.90E-05	-2.06395
1432494_s_at	Ifip43	intraflagellar transport 43 homolog (Chlamydomonas)	NM_001199843 // NM_029601	0.00136778	-2.06529
1421222_at	Fip111	FIP1 like 1 ( <i>S. cerevisiae</i> )	NM_001195973 // NM_0115974 // NM_024183	0.00895899	-2.06549
1437498_at	-	-	-	0.00588239	-2.06675
1417734_at	Akap81	A kinase (PRKA) anchor protein 8-like	NM_017476	0.00347883	-2.06694
1418883_at	Tac1	tachykinin 1	NM_009311	0.00542607	-2.06716
1423966_at	Cd99ie	CD99 antigen-like 2	NM_001199349 // NM_138309	0.0004641438	-2.06783
1416483_at	Tlc3	tetratricopeptide repeat domain 3	NM_009441	7.82E-06	-2.06883
1457972_at	C87436	expressed sequence C87436	NM_001243741 // NM_01243742 // NM_146170 // NR_027369	0.00437424	-2.06915
1451570_at	Fam92a	family with sequence similarity 92, member A	NM_026558	0.000131134	-2.06932
1458003_at	Zfp398	zinc finger protein 398	NM_027477 // NM_173034	0.00376515	-2.07009
1441728_at	Scn1a	sodium channel, voltage-gated, type I, alpha	NM_018733	0.00106117	-2.07013
1439874_at	9330102E08Rik	RIKEN cDNA 9330102E08 gene	NR_077223 // XR_105034 // XR_107831	0.00232238	-2.07065
1436847_s_at	Cdc48	cell division cycle associated 8	NM_026560	0.000456211	-2.07069
1456862_at	Six4	sinc oculis-related homeobox 4	NM_011382	0.00221749	-2.07072
1428643_at	Mgtat5	mannoside acetyl/glycosaminyltransferase 5	NM_145128	2.07E-05	-2.07196
1449892_at	Cort	corstatin	NM_007745	0.000241591	-2.07333
1452762_at	Roms3	RNA binding motif, single stranded interacting protein	NM_001172121 // NM_01172122 // NM_01172123 // NM_01172124 // NM_01172126	0.00337695	-2.07408
1416919_at	Nhph1	nephronophthisis 1 (juvenile) homolog (human)	NM_016902	0.00252072	-2.07417
1438504_x_at	Tm7sf3	transmembrane 7 superfamily member 3	NM_026281	3.56E-05	-2.07517
1456738_s_at	Fam203a	family with sequence similarity 203, member A	NM_021555	0.00208874	-2.07525
1451549_at	Cngb1	cyclic nucleotide gated channel beta 1	NM_001195413 // NM_145601	0.0006821954	-2.076
1440559_at	Kat62	KAT6B	NM_026492	0.00363647	-2.07672
1454524_at	Mtrp1d	methionine aminopeptidase type 1D (mitochondrial)	NM_025533	0.000527787	-2.07681
1449714_at	Fam73b	family with sequence similarity 73, member B	NM_001242407 // NM_175392	0.00262727	-2.07689
1432023_at	00401055684	coiled-coil-B-like // sperm antigen with cathepsin homology and coiled-coil domains 1	NM_001029536 // XM_003945641	0.00365344	-2.07784
1452381_at	Crib32	cAMP responsive element binding protein 3-like 2	NM_178826	0.00365039	-2.08078
1424769_s_at	Cldn1	claudin 1	NM_145575	0.0009437711	-2.08232
1436528_x_at	BC005512 // F6	cDNA sequence BC005512 // RIKEN cDNA F630007L15 gene // predicted gene 69	NM_001479180 // XM_001480210 // XM_003688870 // XM_003689442 // XM_989008 //	0.00864675	-2.08257
1457701_at	Tmem136	transmembrane protein 136	NM_001034863	0.0069335	-2.08401
1427727_at	Ehd2	EHD-domain containing 2	NM_153098	0.0060335	-2.08536
1436194_at	Preli2	PRELI domain containing 2	NM_029942	0.009873259	-2.08616
1455400_at	Dnah1	dimeylarginine dimethylaminohydrolase 1	NM_026983	0.00134385	-2.08618
1437999_x_at	Pqip	phosphatidylinositol glycan anchor biosynthesis, class Q	NM_018222	2.49E-07	-2.08728
1456350_at	Zfp451	zinc finger protein 451	NM_133817	0.000934692	-2.08818
1425968_s_at	Speg	SPEG complex locus	NM_001085370 // NM_01085371 // NM_001173477 // NM_007463	0.0058481	-2.09113
1459478_at	AA408396	expressed sequence AA408396	-	0.00892644	-2.09202
1435750_at	Gchfr	GTP cyclohydrolase I feedback regulator	NM_177157	0.00749926	-2.09547
1436937_at	Rbms3	RNA binding motif, single stranded interacting protein	NM_001172121 // NM_01172122 // NM_001172123 // NM_001172124 // NM_001172126	0.00267907	-2.09596
1449271_at	Hebp2	hemie binding protein 2	NM_019487	0.0085966	-2.09694
1420859_at	Pkia	protein kinase inhibitor, alpha	NM_008862	0.00299909	-2.09785
1456093_at	Usp36	ubiquitin specific peptidase 36	NM_001033528	0.000145372	-2.09913
1445257_at	493055J18Rik	RIKEN cDNA 493055J18 gene	NM_037999	0.00917266	-2.09931
1428004_at	Smnp25	small nuclear ribonucleoprotein 25 (U11/U12)	NM_030093	0.000856888	-2.10179
1436350_at	Fam171b	family with sequence similarity 171, member B	NM_175514	0.00216373	-2.10273
1429859_at	Ari2bp	ADP-ribosylation factor-like 2 binding protein	NM_024191 // NM_024269	0.00461688	-2.10369
1431777_at	Hmgm3	high mobility group nucleosomal binding domain 3	NM_026122 // NM_175074	0.00144105	-2.10416
1441870_s_at	Pkd2	polycystic kidney disease 2	NM_008861	0.0010538	-2.10628
1423364_at	Aktip	thyroma viral proto-oncogene 1 interacting protein	NM_010241	0.00244438	-2.10642
1445956_at	-	-	-	0.00286467	-2.10664
1430576_at	Fam57a	family with sequence similarity 57, member A	NM_027773	0.00102147	-2.10697
1452236_at	Abcf1	ATP-binding cassette, sub-family F (GCN20), member 1	NM_013854	0.0009996012	-2.10707
1417316_at	Acot13	acyl-CoA thioesterase 13	NM_025790	4.38E-05	-2.10707
1448415_at	Sema3b	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin)	NM_001042779 // NM_009153	0.000763658	-2.10738
1449632_s_at	Fkbp10	FK506 binding protein 10	NM_001163481 // NM_010221	0.000731541	-2.10796
1442749_at	Braf	transforming gene	NM_139224	0.00666317	-2.1095
1438659_x_at	Chchd6	coiled-coil-helix-coiled-coil domain containing 6	NM_001167736 // NM_025351	0.00256861	-2.11025
1440740_at	Ctdsp2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase	NM_212450	0.00749116	-2.11317
1442682_at	-	-	-	0.00637562	-2.1142
1438132_at	Gm509	predicted gene 509	NM_03325 // NM_033326	0.00773421	-2.11582
1417152_at	Nacc2	nucleus accumbens associated 2, BEN and BTB (POZ) domain containing	NM_001037098 // NM_026495	0.00297987	-2.11781
1452477_at					

1424613_at	Gprc5b	G protein-coupled receptor, family C, group 5, member B	NM_001195774 // NM_022420	0.000280517	-2.12242
1431403_a_at	Map7d2	MAP7 domain containing 2	NM_001081124	0.000346275	-2.12255
1439781_s_at	Ppp1r16a	protein phosphatase 1, regulatory (inhibitor) subunit 16A	NM_033371	0.000392945	-2.12257
1432421_at	Hoxa3	homeobox A3	NM_010452	0.000340531	-2.12269
1435983_at	—	—	—	0.000454151	-2.12447
1436358_at	Pegep1	proglutamyl-peptidase I	NM_023217	0.0011366	-2.12569
1430518_at	Mmm2	multimerin 2	NM_153127	0.000173812	-2.12694
1446876_at	Dcaf5	DDIB1 and CUL4 associated factor 5	NM_177267	0.007001934	-2.12815
1434735_at	Hif	hepatocyte leukaemia factor	NM_172563	0.00440569	-2.12902
1429999_at	B930036G03Rik	RIKEN cDNA B930036G03 gene	—	0.009832435	-2.12915
1435680_a_at	Nprnt	nephronectin	NM_001029836 // NM_033525	0.000869233	-2.1292
1457744_at	Dtx46	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	NM_145972	0.00183415	-2.12936
1460035_at	Pthb2	prohibitin 2	NM_007531	0.007097871	-2.12966
1422524_at	Acbcb6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	NM_023732	0.00318537	-2.13035
1424578_s_at	Cyp2c44	cytochrome P450, family 2, subfamily c, polypeptide 44	NM_001001446 // NM_001167905	0.00485451	-2.13181
1419140_at	Acrv2b	activin receptor type IIb	NM_007397	0.000117163	-2.13199
1424695_at	Fam210b	family with sequence similarity 210, member B	NM_025912	0.00918928	-2.13361
1452511_at	Sox5	SRY-box containing gene 5	NM_001113559 // NM_001243163 // NM_011444	0.00141723	-2.13405
1425731_at	Ankr242	ankyrin repeat domain 24	NM_027480	0.0035948	-2.13524
1439015_at	Gfraf1	glial cell line derived neurotrophic factor family receptor alpha 1	NM_010279	0.0062026	-2.13535
1458384_a_at	Bola3	bola-like 3 (E. coli)	NM_175277	0.00012588	-2.13589
1428753_a_at	Dgcr6	DiGeorge syndrome critical region gene 6	NM_010047	0.000144949	-2.13651
1460582_x_at	Gm14226	predicted gene 14226	—	0.00773725	-2.13736
1455146_at	Strbp	spermatid penuclear RNA binding protein	NM_009281 // NM_176932	0.00552065	-2.13736
1419932_s_at	—	—	—	0.000279269	-2.13784
1440575_at	Hspa4	heat shock protein 4	NM_008300	0.00680731	-2.1384
1451986_at	Casd1	CAS1 domain containing 1	NM_145398	7.17E-05	-2.13893
1457827_at	Arsj	arylsulfatase J	NM_173451	0.006549	-2.14201
1432858_at	D73048BM19Rik	RIKEN cDNA D73048BM19 gene	—	0.00163213	-2.14209
1432431_a_at	LOC101056500	O-acetyl-ribose deacetylase MACROD2-like // MACRO domain containing 2	NM_001013802 // NM_028387 // XM_003945964	0.0024527	-2.14229
1431026_at	Naa30	N(alpha)1-acetyltransferase 30, NAc catalytic subunit	NM_001081430	0.00396418	-2.14232
1434975_x_at	Pied-ps3	phosphotyrosine decarboxylase, pseudogene 3	NR_003518	0.00592324	-2.14371
1423756_s_at	Igfbp4	insulin-like growth factor binding protein 4	NM_010517	0.00313884	-2.14391
1430815_at	Cep128	centrosomal protein 128	NM_181815	0.00441939	-2.14449
1433641_at	Smad5	SMAD family member 5	NM_001164041 // NM_001164042 // NM_008541	8.41E-05	-2.14496
1417267_s_at	Fkbp11	FK506 binding protein 11	NM_024169	0.00734495	-2.14671
1426533_at	Nop56	NOP56 ribonucleoprotein	NM_024193	0.000208111	-2.14679
1426584_a_at	Sord	sorbitol dehydrogenase	NM_146126	9.77E-05	-2.14794
1457181_at	Des1	desumoylating isopeptidase 1	NM_134095	0.000946428	-2.14889
1440227_at	Slc5a3	solute carrier family 5 (inositol transporters), member 3	NM_017391	0.00134124	-2.14963
1456756_at	Zc3havII	zinc finger CCCH-type, antiviral 1-like	NM_172467	0.000234834	-2.1497
1424586_at	Ehbp1	EH domain binding protein 1	NM_001252515 // NM_153078	0.00439122	-2.15033
1440448_at	—	—	—	0.00666984	-2.15069
1425234_at	Col20a1	collagen, type XX, alpha 1	NM_028518	0.000302474	-2.15149
1442106_at	Fancm	Fancm anemia complementation group M	NM_178912	0.00054429	-2.15178
1436102_at	Sec22c	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)	NM_001164562 // NM_178677	1.13E-06	-2.15256
1429203_at	241007612Rik	RIKEN cDNA 241007612R gene	NM_0241007612	0.000798455	-2.15316
1424854_at	Sox4	SOX4 transcriptional gene 4	NM_023238	0.000262722	-2.1533
1424854_at	Sox43	transcriptional gene amplified sequence 3	NM_001166942 // NM_001166643 // NM_138681	0.000262722	-2.1533
1453786_s_at	Ercc2	ERCC2 and splicing 2	NM_026168 // NM_026355	1.52E-05	-2.15364
1438677_at	Pnp1	plakophilin 4	NM_026361 // NM_175464	2.88E-05	-2.15465
1459980_x_at	Rab3a	RAB3A, member RAS oncogene family	NM_001166399 // NM_009001	0.009431141	-2.15567
1423779_at	Chchd6	coiled-coil-helix-coiled-coil-helix domain containing 6	NM_001167736 // NM_025351	0.00131838	-2.15584
1438183_x_at	Serd	sorbitol dehydrogenase	NM_146126	0.000128517	-2.15691
1440999_at	Zfp697	zinc finger protein 697	NM_172863	0.000246206	-2.15738
1453290_at	Hmgbx4	HMG box domain containing 4	NM_178017	0.00833082	-2.15757
1415919_at	Npdc1	neural proliferation, differentiation and control 1	NM_0087221	0.000141744	-2.15766
1438703_at	Ankr26	ankyrin repeat domain 26	NM_01081112	0.00397881	-2.15812
1436518_at	Usp46	ubiquitin specific peptidase 46	NM_177561	0.000109395	-2.15861
1431665_at	Timm8b	translocase of inner mitochondrial membrane 8B	NM_013897	0.000895114	-2.15939
1437948_at	Adpgk	ADP-dependent glucokinase	NM_028121	0.00108487	-2.15955
1441808_at	—	—	—	0.000611984	-2.16055
1458833_at	Nrcam	neuron-glia-CAM-related cell adhesion molecule	NM_001146031 // NM_176930	0.008528	-2.16071
1441632_at	C130079B09Rik	RIKEN cDNA C130079B09 gene	—	0.00682026	-2.16099
1419256_at	Selbp1	spectrin beta, non-erythrocytic 1	NM_009280 // NM_175836	0.00038755	-2.16211
1436631_x_at	Ttc13	tetratricopeptide repeat domain 13	NM_145607	0.00093754	-2.16233
1460486_at	Rabgap1	RAB GTPase activating protein 1	NM_001033960 // NM_146121	0.0002466898	-2.16234
1424653_at	Tspan15	tetraspanin 15	NM_197996	0.000645192	-2.16444
1418090_at	Plavap	plasmalemma vesicle associated protein	NM_032398	0.000314068	-2.16568
1434337_at	Cmtm4	CKLF-like MARVEL transmembrane domain containing 4	NM_153582	0.000326053	-2.16662
1449913_at	Zfp2	zinc finger protein 2	NM_001044697 // NM_001044698 // NM_001044699 // NM_001044700 // NM_009550 //	0.00355458	-2.16732
1445281_at	B23031B06Rik	RIKEN cDNA B23031B06 gene	XM_003945419 // XM_003945420	0.000408829	-2.16765
1420230_at	AA414993	expressed sequence AA414993	—	0.00883783	-2.16926
1424726_at	Tmem150a	transmembrane protein 150A	NM_144916	0.00354503	-2.16969
1444988_at	—	—	—	0.0056721	-2.17014
1420930_s_at	Ctnna1	catenin (cadherin associated protein), alpha-like 1	NM_018761	0.0075576	-2.17046
1453341_a_at	Tmem202	transmembrane protein 202	NM_178388	0.000363136	-2.17147
1439284_at	Epb4_115	erythrocyte protein band 4.1-like 5	NM_001113416 // NM_145506	0.0013488	-2.17206
1438401_at	Ubn1	ubrinuclein 1	NM_026666	0.00124631	-2.17283
1454834_at	Nnf1	nuclear factor I/B	NM_001113209 // NM_001113210 // NM_008687	0.00349304	-2.17255
1417049_at	Rhd	Rh blood group, D antigen	NM_011270	0.00681463	-2.1762
1451490_at	Lypl1	lysophospholipase-like 1	NM_146106	0.0046916	-2.17814
1428452_at	2810025M15Rik	RIKEN cDNA 2810025M15 gene	NM_0227474 // NR_027984	0.00720111	-2.17961
1455090_at	Angprt2	angiopoietin-like 2	NM_011923	0.00130098	-2.18082
1460227_at	Tim1	tissue inhibitor of metalloproteinase 1	NM_001044384 // NM_011593	7.92E-05	-2.18105
1436695_x_at	Elmod3	ELMO/CED-12 domain containing 3	NM_001253692 // NM_144917	0.00517007	-2.18237
1417311_at	Crip2	cysteine rich protein 2	NM_024223	0.00231395	-2.18389
1451656_at	Clinn	camlin	NM_0008682 // NM_053155	0.000880739	-2.18405
1426865_at	Ncam1	neuronal cell adhesion molecule 1	NM_001081445 // NM_00113204 // NM_010875	6.44E-05	-2.18582
1446365_at	Dnm1	dynamin 1	NM_0009065	0.000255366	-2.18647
1440116_at	D630045J12Rik	RIKEN cDNA D630045J12 gene	NM_194951	0.000255366	-2.18647
1427078_at	Sinx19	sorting nexin 19	NM_028324	0.00494366	-2.18944
1437675_at	Flnc22b	flucosidase muarotase	NM_026928	0.00325363	-2.19159
1425936_at	BC05512 // F6	cDNA sequence BC05512 // RIKEN cDNA F630007L15 gene // predicted gene 69	NM_001479180 // XM_001480210 // XM_00368870 // XM_003689442 // XM_989008 //	0.000530082	-2.19283
1410638_at	Efbn2	ephrin B2	NM_010111	0.00481264	-2.19426
1436888_at	Srm2	serine/arginine repetitive matrix 2	NM_175229	0.006365604	-2.1953
1417952_at	Cyp2j6	cytochrome P450, family 2, subfamily j, polypeptide 6	NM_010008	0.003797716	-2.19558
1456945_at	Nudt6	nudix (nucleoside diphosphate linked moiety X)-type motif 6	NM_153561	0.00350151	-2.19609
1456705_at	—	—	—	0.0073132	-2.19636
1441327_at	Ser1	signal sequence receptor, alpha	NM_025985	0.00341807	-2.19778
1452287_at	Msi1	misshasi RNA-binding protein 1	NM_008629	0.00240526	-2.19801
1421861_at	Cistrn1	cistrin 1	NM_023051	0.000281966	-2.19872
1437458_x_at	Clu	clusterin	NM_013492	0.00356214	-2.19898
1428995_at	Phf3	PHD finger protein 3	NM_001081080 // NM_025871	0.00579418	-2.19908
1434020_at	Pdap1	PDGFA associated protein 1	NM_001033313	0.000236879	-2.19938
1457467_at	—	—	—	0.00139586	-2.20027
1455687_at	Ick	intestinal cell kinase	NM_001163780 // NM_019987	0.001070884	-2.20123
1434256_s_at	Cds2	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2	NM_138651	0.000891768	-2.20307
1418664_at	Mpdz	multiple PDZ domain protein	NM_010820	0.00494433	-2.20318
1435722_at	Gria4	glutamate receptor, ionotropic, AMPA4 (alpha 4)	NM_001113180 // NM_001113181 // NM_019691	0.00499566	-2.20452
1441709_at	Slc11a2	solute carrier family 11 (protein-coupled divalent metal ion transporters), member 2	NM_001146161 // NM_008732	0.000909378	-2.20468
1434463_at	Bfsp2	beaded filament structural protein 2, phakinin	NM_001062096	0.00171487	-2.20662
1455247_at	Amot1	angiomotin-like 1	NM_001081395	0.000602678	-2.21168
1456136_at	Kif5b	kinesin family member C5B	NM_016761 // NM_053173	0.00108913	-2.21229
1433481_at	Fkbp14	FK506 binding protein 14	NM_153573	0.00249287	-2.21303
1424157_at	Ehd2	EH-domain containing 2	NM_153068	0.00128615	-2.21537
1425885_at	Scaf11	SR-related CTD-associated factor 11	NM_028148	0.000326637	-2.21632
1447912_x_at	Akap9	A kinase (PRKA) anchor protein (yotiao) 9	NM_194462	0.0008040431	-2.21762
1454430_at	Pde11a	phosphodiesterase 11A	NM_001081033	0.00569342	-2.21771
1438312_s_at	Ltpb3	latent transforming growth factor beta binding protein 3	NM_008520	0.0009933121	-2.21855
1418057_at	Tiam1	T cell lymphoma invasion and metastasis 1	NM_001145866 // NM_001145867 // NM_009384	0.00018141	-2.22053
1433813_at	Tmen48	transmembrane protein 48	NM_028355	3.15E-06	-2.22082
1419289_a_at	Syng1	synaptogyrin 1	NM_009303 // NM_207708	0.0043332	-2.22094
1424133_at	Tmen9s	transmembrane protein 98	NM_029537	0.00252903	-2.22119
1449471_at	Kcnmb4	potassium large conductance calcium-activated channel, subfamily M, beta member	NM_021452	0.000658253	-2.22265
1428094_a_at	Tm7sf3	transmembrane 7 superfamily member 3	NM_026281	1.31E-05	-2.22278
1417156_at	Krt19	keratin 19	NM_008471	0.0025205	-2.22311
1439516_at	2610201A13Rik	RIKEN cDNA 2610201A13 gene	—	0.000458562	-2.22321
1455060_at	G3bp1	GTPase activating protein (SH3 domain) binding protein 1	NM_013716	1.96E-05	-2.22361
1425416_s_at	Psrc1				

1437833	at	Ltpb3	latent transforming growth factor beta binding protein 3	NM_008520	0001922005	-2.23824					
1434961	at	Axb1	ankyrin repeat and SOCS box-containing 1	NM_001039126	000389565	-2.23947					
1423627	at	Ngo1	NAD(P)H dehydrogenase, quinone 1	NM_008706	0000452546	-2.23959					
1440268	at	Trim41	tripartite motif protein 41	NM_145377	0.00699514	-2.23965					
1433404	at	4930423Q20Rik	RIKEN cDNA 4930423Q20 gene	—	0.00546365	-2.40411					
1410263	at	3010003L21Rik	RIKEN cDNA 3010003L21 gene	NM_175404	0.00545226	-2.40655					
1438030	at	Rgsrp3	RAS, guanyl releasing protein 3	NM_001168493	0.00515021	-2.41188					
1450864	at	Gpr146	G protein-coupled receptor 146	NM_001038703	0.000264369	-2.43437					
1450940	at	Acn9	ACN9 homolog (S. cerevisiae)	NM_001077113	0.00653448	-2.44439					
1446539	at	Adgb	androglobin	NM_001273533	0.00669238	-2.45664					
1437689	x at	Clin	clusterrin	NM_013492	0.00787601	-2.4684					
1441984	at	Clepn	claspin	NM_175554	0.0054077	-2.4688					
1453185	at	Sfrs18	serine/arginine-rich splicing factor 18	NM_025669	0.00774128	-2.4727					
1421040	a at	Gata2	glutathione S-transferase, alpha 2 (Y2C)	NM_008182	0.000911936	-2.4823					
1364649	x at	Gldc2	glycosyltransferase-like domain containing 2	NM_153540	0.00202436	-2.4901					
1436804	s at	Soy1	SOY1-like 1 (S. cerevisiae)	NM_023912	0.000394734	-2.4933					
1437515	at	Gm7040	/ Prt2 predicted gene 7040 // prolactin family, 2, subfamily c, member 2 // prolactin family	NM_011118	000111954	/ NM_031191	/ NM_181852	/ XM_001473551	/ XM_904245	0.00876845	-2.2497
1438615	x at	Sapcd2	suppressor APC domain containing 2	NM_001081085	0.00182502	-2.25179					
1451456	at	6430706D22Rik	RIKEN cDNA 6430706D22 gene // RIKEN cDNA A730008H23 gene // Holiday junction	NM_172505	000198652	/ NR_040291	0.00481018	-2.25198			
1451428	x at	Egf7	EGF-like domain 7	NM_001164564	0001178444	/ NM_198724	/ NM_198725	0.000258161	-2.25886		
1443285	at	---	---	---	0.000934562	-2.26116					
1417548	at	Sart3	squamous cell carcinoma antigen recognized by T cells 3	NM_016926	0.00392612	-2.26191					
1439070	x at	Pisd-ps1	/ Pisd phosphatidylserine decarboxylase, pseudogene 1 // phosphatidylserine decarboxylase	NM_001004146	000103517	/ NR_003518	0.00646308	-2.26282			
1459995	at	Caacna1a	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	NM_001252059	0001252060	/ NM_001252061	/ NM_007578	0.000618841	-2.26354		
1448292	at	Ugcrr1	ubiquinol-cytochrome c reductase, complex III subunit XI	NM_025650	0.00231458	-2.26443					
1431273	at	2810417H13Rik	RIKEN cDNA 2810417H13 gene	NM_026515	0.00247972	-2.26583					
1451870	a at	Brd4	bromodomain containing 4	NM_020508	0000976602	-2.26585					
1455529	at	Mex3a	mex3 homolog A (C. elegans)	NM_001029990	0.0085724	-2.26757					
1425126	at	Ncam1	neural cell adhesion molecule 1	NM_001081445	0001113204	/ NM_010875	0.00196197	-2.26836			
1418263	at	Ddx25	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	NM_013932	0.00142141	-2.2687					
1432840	at	Galm11	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetyl/galactosaminyltransferas	NM_144908	0.00782784	-2.26963					
1454862	at	Phib2	pleckstrin homology-like domain, family B, member 2	NM_001252442	0000833776	-2.271					
1444952	a at	Nucks1	nuclear casein kinase and cyclin-dependent kinase substrate 1	NM_001145804	0001175294	9.14E-05	-2.27101				
1419205	x at	Gpatch4	G patch domain containing 4	NM_00110809	000125663	0.00168403	-2.27273				
1459868	x at	Gm13305	/ Gm predicted gene 13305 // predicted gene 2002 // interleukin 11 receptor, alpha chain	NM_001099348	0001100596	/ NM_001163401	/ NM_001172054	/ NM_010549	0.000290763	-2.27288	
1434606	at	Erbb3	erb-B2 erythroblastic leukemia viral oncogene homolog 3 (avian)	NM_010153	0.000439481	-2.27379					
1432037	at	Ppp1ra	protein phosphatase 1, regulatory (inhibitor) subunit 9A	NM_181595	0.006561544	-2.27391					
1439436	x at	Incepnt	inner centromere protein	NM_016692	0.00282745	-2.27441					
1446664	a at	Speg	SPUG complex locus	NM_001085370	0001085371	/ NM_001173477	/ NM_007463	0.00154259	-2.27804		
1424967	x at	Tmrn2	troponin T2, cardiac	NM_001030174	0001130175	/ NM_001130176	/ NM_001130177	0.00156146	-2.27806		
1449553	at	Nkain1	Na+K+ transporting ATPase interacting 1	NM_025998	0.000373569	-2.27957					
1448519	at	Tead3	TEA domain family member 2	NM_011565	0.00183458	-2.28213					
1426315	a at	6330416G13Rik	RIKEN cDNA 6330416G13 gene	NM_144905	0.00166787	-2.28271					
1422437	at	Col5a2	collagen, type V, alpha 2	NM_007737	0.00569603	-2.2829					
1426649	at	Tmemf1	transmembrane protein with EGF-like and two follistatin-like domains 1	NM_021436	0.000673672	-2.28534					
1436853	at	Srca	synapsin, alpha	NM_001042451	0000259381	-2.28826					
1436719	at	Sltc3f1	soluble carrier family 35, member F1	NM_021475	0.00373712	-2.28875					
1416028	at	Grik5	glutamate receptor, ionotropic, kainate 5 (gamma 2)	NM_0081663	0.00747645	-2.29168					
1451058	at	Mct52	multiple 5' T cell amplified sequence 2	NM_0256543	0.00552754	-2.29368					
1436930	x at	Stbm	suprabasin	NM_001083903	0001172205	0.001714142	-2.298				
1434446	at	Insr	insulin receptor	NM_010568	8.04E-05	-2.29931					
1420009	at	Wwc1	WW, C2 and coiled-coil domain containing 1	NM_170779	0.000270811	-2.30124					
1436618	at	Pnma2	paraneoplastic antigen Ma2	NM_175498	0.00914361	-2.3032					
1445819	at	---	---	0.080119	-2.30562						
1426956	a at	Trp53bp1	transformation related protein 53 binding protein 1	NM_013735	0.000153902	-2.30736					
1456649	at	Amol1	angiogenesis-like 1	NM_001028135	0.00595132	-2.30767					
1444439	at	Bri3bp	Bri3 binding protein	NM_029752	0.000458584	-2.3167					
1418670	s at	Hspg2	heparan sulfate proteoglycan 2	NM_008305	0.000182813	-2.31768					
1426556	at	Zdhhc2	zinc finger, DHHC domain containing 2	NM_172867	0.000232652	-2.31848					
1419693	at	Cxcl11	chemokine (C-X-C motif) ligand 11	NM_019494	000755382	-2.31863					
1452606	at	Mnd1	meiotic nuclear divisions 1 homolog (S. cerevisiae)	NM_029797	0.00142697	-2.32097					
1433147	at	Cald1	caldesmon 1	NM_145575	0.00159201	-2.32152					
1430010	at	Ncapd2	non-SMC condensin I complex, subunit D2	NM_146171	0.000975602	-2.32307					
1427294	a at	Slc38a10	solute carrier family 38, member 10	NM_001164798	0001164799	/ NM_001164800	/ NM_001164801	9.96E-06	-2.32308		
1425029	at	Mboat2	membrane bound O-acetyltransferase domain containing 2	NM_001083341	0001026037	0.00182809	-2.32349				
1432237	at	5730522E02Rik	RIKEN cDNA 5730522E02 gene	NM_027486	0000613344	-2.32645					
1432523	at	5033423K11Rik	RIKEN cDNA 5033423K11 gene	---	0.00866558	-2.32748					
1431528	at	5830427D02Rik	RIKEN cDNA 5830427D02 gene	---	0.00321859	-2.3317					
1449391	at	Zfp882	zinc finger protein 882	NM_001166645	0.004444045	-2.33271					
1455546	s at	St3ga5	st3 beta-galactoside alpha-2,3-sialyltransferase 5	NM_013651	0.000485592	-2.33328					
1451626	x at	---	---	0.000329482	-2.33442						
1423965	at	Cd99i2	CD99 antigen-like 2	NM_001199349	0001138309	3.88E-05	-2.33485				
1454917	at	Alg10b	asparagine-linked glycosylation 10B (alpha-1,2-glycosyltransferase)	NM_001033441	1.52E-06	-2.33526					
1454807	at	Morn2	MORN repeat containing 2	NM_194269	0.00396654	-2.33598					
1448523	at	Nphp1	neurofibromatosis 1 (juvenile) homolog (human)	NM_016902	0.000790483	-2.33706					
1449785	at	AA414993	expressed sequence AA414993	---	0.00669186	-2.33823					
1449198	x at	St3ga5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	NM_001035228	00011375	0.000544764	-2.34311				
1433670	at	Emp2	epithelial membrane protein 2	NM_007929	9.76E-05	-2.34366					
1423989	at	Tecpr1	tectonin beta-propeller repeat containing 1	NM_027410	0.000392876	-2.34498					
1429946	at	Cdc141	coiled-coil domain containing 141	NM_001025576	0.00390403	-2.34506					
1454246	at	St3gal6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	NM_018784	0.00444143	-2.34516					
1417245	at	Gpr180	G protein-coupled receptor 180	NM_021434	2.65E-05	-2.34597					
1453122	at	Fam135a	family with sequence similarity 135, member A	NM_026604	0.000388928	-2.34627					
1439851	at	---	---	0.00303533	-2.34753						
1416269	at	Lox3	lysyl oxidase-like 3	NM_013596	0.000174287	-2.34847					
1436800	at	Nagk	N-acetylgalosamine kinase	NM_001164187	00019542	0.00545906	-2.34924				
1452266	at	Necto1	nectin	NM_012926	0.00823239	-2.34949					
1432092	a at	Gulp1	GULP engulfment adaptor PTB domain containing 1	NM_027606	000028450	0.00186655	-2.35213				
1447908	x at	Tlc3	tetrafunctional peptide repeat domain 3	NM_009441	0.00116511	-2.35295					
1416136	at	Mmp2	matrix metallopeptidase 2	NM_008610	0.00309704	-2.35332					
1420062	at	---	---	0.00368512	-2.35352						
1438149	at	Pif1	Pif1 5'-to-3' DNA helicase homolog (S. cerevisiae)	NM_172453	0.00791455	-2.3543					
1448249	at	Gpd1	glycerol-3-phosphate dehydrogenase 1 (soluble)	NM_010271	0.00691819	-2.35494					
1424347	at	Lrp8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	NM_001080926	000053073	0.000845624	-2.35626				
1424113	at	Lamb1	laminin B1	NM_008482	0.000132883	-2.35697					
1454738	at	Pex6	peroxisomal biogenesis factor 6	NM_145488	0.00265674	-2.35849					
1447853	x at	Kif13a	kinesin family member 13A	NM_010617	0.000679168	-2.3622					
1436118	at	Vangl2	vang-like 2 (van gogh, Drosophila)	NM_033509	0.00141014	-2.36268					
1434497	at	4933431E20Rik	RIKEN cDNA 4933431E20 gene	NM_177858	000154559	-2.36333					
1435820	x at	Drd1	discoidin domain receptor family, member 1	NM_01198833	000198833	0.00215176	-2.36333				
1436944	at	Pisd-ps1	/ Pisd-ps1 phosphatidylserine decarboxylase, pseudogene 1 // phosphatidylserine decarboxylase	NM_001004146	0003517	0.00374129	-2.36528				
1454849	x at	Cln	clusterrin	NM_013492	0.000550395	-2.36585					
1424462	at	Ercc2	ERCC2 and golgi 2	NM_026188	0.0026355	5.62E-07	-2.36763				
1443867	at	Ankrd12	ankyrin repeat domain 12	NM_001025572	0.005451017	-2.36888					
1459226	at	---	---	0.00273878	-2.37242						
1458661	at	---	---	0.000633768	-2.37358						
1426254	at	Zdhhc2	zinc finger, DHHC domain containing 2	NM_178395	4.75E-05	-2.37382					
1419987	at	---	---	0.00782398	-2.37406						
1447976	at	A1596198	expressed sequence A1596198	---	0.0025547	-2.37673					
1438801	at	10-Sep	septin 10	NM_001024910	0001024911	0.00224578	-2.37729				
1416517	at	Pnpla6	patatin-like phospholipase domain containing 6	NM_001122818	0001122818	0.00511147	-2.37824				
1425979	at	Fbf1	Faf (TNFRSF6) binding factor 1	NM_172571	0.000903606	-2.3803					
1417823	at	Gal3	galanin receptor 3 // glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A acyltransferase)	NM_001161712	00013847	0.000622728	-2.38174				
1419703	at	Col5a3	collagen, type V, alpha 3	NM_016919	0.00121927	-2.38261					
1417404	at	Elov6	ELOV family member 6, elongation of long chain fatty acids (yeast)	NM_130450	0.000594601	-2.38321					
1416844	a at	Bicd1	bicaudal D homolog 1 (Drosophila)	NM_00112796	0.00883437	-2.38361					
1439216	at	---	---	0.00549261	-2.38702						
1452072	at	Myc1	myc target 1	NM_026793	0.00400725	-2.38846					
1436868	at	Efnaf5	ephrin A5	NM_0101909	00010267654	0.000356944					

1431147_at	Rint1	RAD50 interactor 1	NM_177323	0.00220443	-2.40503
1448737_at	Tspan7	tetraspanin 7	NM_019834	0.000713613	-2.40745
1431163_at	2000046G09Rik	RIKEN cDNA 2700046G09 gene	NR_033196	0.000796663	-2.40956
1444066_at	Med13	mediator complex subunit 13	NM_001080931	0.0095741	-2.40988
1441964_at	Ok	quaking	NM_001169516 /// NM_001159517 /// NM_021881	0.00549957	-2.40923
1420020_at	Wwox1	WW domain and coiled-coil domain containing 1	NM_170722	0.00220234	-2.40987
1438476_a_at	Chd4	chromodomain helicase DNA binding protein 4	NM_145979	1.00E-04	-2.41209
1410639_at	Efnb2	sphrin B2	NM_0101111	0.0027063	-2.41241
1420111_at	Tln2	talin 2	NM_001081242 /// NM_027458	0.000794065	-2.41488
1438266_at	Adams5	ADAMTS-like 5	NM_001113548 /// NM_025629	0.00847295	-2.4225
1460713_at	Dgph1	2'-deoxyribonucleoside 5'-phosphate N-hydrolase 1	NM_207161	0.00716841	-2.42514
1449190_a_at	Entpd4	ectonucleoside triphosphatase diphosphohydrolase 4	NM_026174	9.50E-05	-2.42622
1441823_at	Zen1	zinc finger, MIZ-type containing 1	NM_001033402 /// NM_183208	0.000861918	-2.42725
1454677_at	Timp2	matrix inhibitor of metalloproteinase 2	NM_011504	7.08E-06	-2.42789
1440975_at	Mvra7	matrix-remodelling associated 7	NM_026280	0.00273288	-2.42896
1425820_x_at	Gpatch4	G patch domain containing 4	NM_001110809 /// NM_025663	0.00190723	-2.4309
1459679_s_at	Myo1b	myosin IB	NM_001161817 /// NM_010863	0.00456175	-2.43131
1452666_at	Tmc22	transmembrane and coiled-coil domains 2	NM_178874	0.0050831	-2.43165
1451224_at	Scamp5	secretory carrier membrane protein 5	NM_020270	0.00201001	-2.43177
1429849_at	Kans3	KAT8 regulatory NSL complex subunit 3	NM_172652	6.09E-05	-2.43266
1456226_x_at	Ddr1	discoidin domain receptor family, member 1	NM_001198831 /// NM_001198833 // NM_007584 /// NM_172962	0.00166007	-2.43373
1434501_at	Yipie4	yippee-like 4 ( <i>Drosophila</i> )	NM_001005342	0.00866795	-2.43377
1449002_at	Phlda3	pleckstrin homology-like domain, family A, member 3	NM_013750	0.000340342	-2.43509
1430604_at	Cmtn5	CKLF-like MARVEL transmembrane domain containing 5	NM_0260666 /// NM_029390	0.00203785	-2.43752
1453022_at	Gplhp1	GPI-anchored HDL-binding protein 1	NM_026730	0.000440134	-2.43777
1429156_at	Cenpw	centromere protein W	NM_001109747	0.00759856	-2.43814
1458268_s_at	Igfbp3	insulin-like growth factor binding protein 3	NM_008343	2.94E-05	-2.43827
1447946_at	Adam23	a disintegrin and metalloproteinase domain 23	NM_001177600 /// NM_011780	0.00333944	-2.44277
1436246_at	---	---	---	0.00231422	-2.44401
1418815_at	Cdh2	cadherin 2	NM_007664	0.00199366	-2.44532
1455849_at	Nav1	neuron navigator 1	NM_173437	0.00410544	-2.44575
1445485_at	Enho	energy homeostasis associated	NM_027147	0.000490074	-2.4461
1424198_at	Dlg5	discs, large homolog 5 ( <i>Drosophila</i> )	NM_001163513 /// NM_027726	0.00186118	-2.4462
1423477_at	Zic1	zinc finger protein of the cerebellum 1	NM_009573	0.00417621	-2.44698
1435363_x_at	Ndn	neurodin	NM_010882	0.00386593	-2.44853
1433662_s_at	Timp2	tissue inhibitor of metalloproteinase 2	NM_011594	4.39E-05	-2.4499
1438527_at	Gm12816 /// Gm	predicted gene 12816 // predicted gene 5879 // ribosomal protein L3	NM_013762 // XM_001475733 // XM_001476804 // XR_035706 // XR_107848	0.00388277	-2.45056
1424263_at	Aif1	allograft inflammatory factor 1-like	NM_145144	0.000143962	-2.45063
1426792_at	Bcas1	breast carcinoma amplified sequence 1	NM_001164369 /// NM_029815	0.00160465	-2.45239
1416613_at	Cyp1b1	cytochrome P450, family 1, subfamily b, polypeptide 1	NM_009994	0.000776658	-2.45298
1452048_at	Mrp12	mitochondrial ribosomal protein L12	NM_027204	0.000189709	-2.45441
1446367_at	---	---	---	0.00412746	-2.45492
1446417_at	---	---	---	0.000187247	-2.45582
1447913_x_at	Akap9	A kinase (PRKA) anchor protein (yotiao) 9	NM_194462	0.00115023	-2.45883
1437540_at	Mcoln3	microcilin 3	NM_134150	0.00560053	-2.46004
14438622_s_at	Csd1	CDGSH iron sulfur domain 1	NM_134007	0.000176116	-2.46033
1419646_at	Mbp	myelin basic protein	NM_001025245 /// NM_001025251 // NM_001025254 // NM_001025255 // NM_00102525	0.00121311	-2.4621
145620_x_at	Sinx25	sorting nexin 25	NM_207213	1.63E-06	-2.46334
1427101_at	Methn	methionin, glial cell differentiation regulator	NM_133719	0.0009675726	-2.46427
1426061_x_at	---	---	---	0.0076553	-2.46445
1423434_at	Oez3	ornithine decarboxylase antizyme 3	NM_016901	0.00358924	-2.46667
1451370_at	Ceddc107	coiled-coil domain containing 107	NM_001037913	0.000918168	-2.46839
1455858_x_at	Pomc	pro-opiomelanocortin-alpha	NM_008895	0.00562226	-2.46992
1424916_at	---	---	---	0.00626117	-2.47008
1425235_s_at	Col20a1	collagen, type XX, alpha 1	NM_028518	0.00313297	-2.47046
1427866_x_at	Hbb-b2	hemoglobin, beta adult minor chain	NM_016956	0.000230503	-2.47075
1434909_at	Rqagd	Ras-related GTP binding D	NM_027491	0.00121791	-2.47096
1451446_at	Antxr1	anthrax toxin receptor 1	NM_054041	0.00201509	-2.47149
1456210_at	Proser2	proline and serine rich 2	NM_001159857 /// NM_144883	0.000296317	-2.47325
1456154_at	---	---	---	0.00191735	-2.47345
1445843_at	Chd2	chromodomain helicase DNA binding protein 2	NM_001081345	0.001317768	-2.47446
1444290_at	Steap2	six transmembrane epithelial antigen of prostate 2	NM_001103156 // NM_001103157 // NM_028734	0.00233729	-2.47465
1449059_at	Gjc1	gap junction protein, gamma 1	NM_001159382 // NM_001159383 // NM_008122	0.00405771	-2.47506
1436356_at	Samd4	sterile alpha motif domain containing 4	NM_001037221 // NM_001163433 // NM_028966	0.0008891903	-2.47703
1416482_at	Ttc3	tetratricopeptide repeat domain 3	NM_009441	0.002042828	-2.48152
1434235_at	Sic20a2	solute carrier family 20, member 2	NM_011394	0.000244979	-2.48247
1425031_at	Fktn	fukutin	NM_139309	0.00161241	-2.48764
1427245_at	Arfgap1	ADP-ribosylation factor GTPase activating protein 1	NM_001177706 // NM_001177707 // NM_001177708 // NM_001177709 // NM_001177710	0.00554387	-2.49058
1422889_at	Pcdh18	protocadherin 18	NM_130448	0.0030632	-2.49445
1440584_at	9130221L21Rik	RIKEN cDNA 9130221L21 gene	---	0.00733932	-2.49803
1418709_at	Cox7a1	cytochrome c oxidase subunit VIIa 1	NM_009944	0.00253848	-2.49851
1416662_at	Sardh	sarcosine dehydrogenase	NM_138665	0.000102975	-2.49921
1441055_at	Palm2	paralemmin 2	NM_172868	0.00297889	-2.49991
1437442_at	---	---	---	0.00163901	-2.50122
1456214_at	Pcdh7	protocadherin 7	NM_001122758 // NM_018764	0.00386939	-2.50129
1433970_at	Bola3	bola-3 like 3 ( <i>E. coli</i> )	NM_175277	0.00161660	-2.50372
1424114_s_at	Lamb1	laminin B1	NM_008482	0.000970786	-2.50678
1459886_at	---	---	---	0.00305853	-2.507
1426618_s_at	Pomgn1	protein O-linked mannose beta1,2-N-acetylglycosaminyltransferase	NM_026651 // NM_029786	0.000133425	-2.50797
1428795_at	Sic18b1	solute carrier family 18, subfamily B, member 1	NM_183116	0.0085307	-2.50957
1453612_at	Nek1	NIMA (never in mitosis gene a)-related expressed kinase 1	NM_175089	7.61E-05	-2.51276
1436128_at	Plekh8	pleckstrin homology domain containing, family A (phosphoinositide binding specific)	NM_001001335 // NM_001164361	0.00233476	-2.51542
1418478_at	Lmo1	LIM domain only 1	NM_057173	0.00161622	-2.51639
1434957_at	Codon	cell adhesion molecule-related/down-regulated by oncogenes	NM_021339	0.00267728	-2.51681
1427433_s_at	Hoxa3	homeobox A3	NM_010452	0.00023266	-2.51728
1450637_at	Aebp1	AE-binding protein 1	NM_009636	0.000295282	-2.51795
1423669_at	Col1a1	collagen, type I, alpha 1	NM_007742	0.00618999	-2.51797
1454660_s_at	Tspan12	tetraspanin 12	NM_173007	0.00381282	-2.51932
1430855_at	Col20a1	collagen, type XX, alpha 1	NM_028518	0.000680617	-2.52087
1445097_at	Hpb3bp	integrin beta 3 binding protein (beta3-endonexin)	NM_001165348	0.000266953	-2.52093
1434974_at	Pdk1	pyruvate dehydrogenase kinase, isoenzyme 1	NM_172695	0.000265574	-2.52339
1432525_at	Pbx1	plexin B1	NM_172265	0.00514424	-2.52644
1436036_at	Cyp1f1a1	cytochrome P450, family 11, subfamily a, polypeptide 1	NM_016779	0.00552563	-2.52663
1426888_at	Inhbb	inhibitin beta-B	NM_008381	0.00384728	-2.52681
1457373_at	---	---	---	0.00106363	-2.52727
1457322_at	Bicd2	bicaudal D homolog 2 ( <i>Drosophila</i> )	NM_001039179 // NM_001039180 // NM_029791	1.39E-06	-2.529
1421461_at	Mol	myeloproliferative leukemia virus oncogene	NM_001122349 // NM_010823	0.000218432	-2.53074
1436355_at	Fads6	fatty acid desaturase domain family, member 6	NM_178035	7.67E-05	-2.53097
1438941_x_at	Ampd2	adenosine monophosphate deaminase 2	NM_028779	0.000534825	-2.53181
1423652_at	Isc1a	iron-sulfur cluster assembly 1 homolog (S. cerevisiae)	NM_026921	0.00233833	-2.53236
1439514_at	A930004D18Rik	RIKEN cDNA A930004D18 gene	NR_028377 // NR_028377	0.000667763	-2.53275
1456072_at	Ppp19a	protein phosphatase 1, regulatory (inhibitor) subunit 9A	NM_181595	0.00361051	-2.53277
1432885_at	4632432E15Rik	RIKEN cDNA 4632432E15 gene	---	0.000438134	-2.53742
1442112_at	Vps18	vacuolar protein sorting 18 (yeast)	NM_172269	0.000897866	-2.53816
1419429_at	Cnfr	ciliary neurotrophic factor receptor	NM_001136056 // NM_001146080 // NM_016673	0.000591073	-2.53839
1429348_at	Sema3c	sema domain, immunoglobulin domain (lg), short basic domain, secreted, (semaphorin)	NM_013657	0.0008820805	-2.54191
1446565_at	D18Erid169e	DNA segment, Chr 18, ERATO Del 169, expressed	---	0.00214504	-2.54411
1423331_at	Pvr3	poliovirus receptor-related 3	NM_021495 // NM_021496 // NM_021497	0.00518239	-2.54531
1438325_at	Mecom	MDS1 and EVI1 complex locus	NM_007963 // NM_021442	0.00407365	-2.54673
1437531_at	Tropm1	transient receptor potential cation channel, subfamily M, member 1	NM_001039104 // NM_018752	8.52E-05	-2.54756
1457603_at	Ppp19a	protein phosphatase 1, regulatory (inhibitor) subunit 9A	NM_181595	0.00078973	-2.54988
1452434_s_at	Dgcrl	DiGeorge syndrome critical region gene 6	NM_0100447	0.000648206	-2.55066
1416740_at	Col5a1	collagen, type V, alpha 1	NM_015734	0.000648245	-2.5539
1438957_x_at	Cds2	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2	NM_138651	0.000311158	-2.55723
1439828_at	---	---	---	0.000124114	-2.56248
1435382_at	Ndn	neurodin	NM_010882	0.00618093	-2.56336
1425295_at	Adams4	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1	NM_172845	0.00126718	-2.56382
1423852_at	Shisa2	shisa homolog 2 ( <i>Xenopus laevis</i> )	NM_145463	0.00225961	-2.56737
1435785_at	Ehd2	EH-domain containing 2	NM_153068	0.00330241	-2.56872
1426042_at	Fgd4	FYVE, RhoGEF and PH domain containing 4	NM_139232 // NM_139233 // NM_139234	0.00900326	-2.56985
1456241_at	Sic38a10	solute carrier family 38, member 10	NM_001164798 // NM_001164799 // NM_001164800 // NM_001164801 // NM_001164802	3.89E-05	-2.56994
1449531_at	Leprel2	leprecan-like 2	NM_013534	0.000298973	-2.57019
1445418_at	Smg6	Smg-6 homolog, nonsense mediated mRNA decay factor ( <i>C. elegans</i> )	NM_001002764	0.00431578	-2.57105
1440807_at	---	---	---	0.0050934	-2.57114
1440085_at	Eda2r	ectodysplasin A2 receptor	NM_001161432 // NM_001161433 // NM_175540	0.00193168	-2.57346
1459695_at	---	---	---	0.00358918	-2.57387
1435187_at	Tomm20	translocase of outer mitochondrial membrane 20 homolog (yeast)	NM_024214	3.53E-05	-2.57587
1448494_at	Gas1	growth arrest specific 1	NM_008086	0.00159178	-2.57799
1424594_at	Samd4	sterile alpha motif domain containing 4	NM_001037221 // NM_001163433 // NM_028966	0.000424315	-2.57862
1458252_at	---	---	---	0.00175189	-2.58008
1438652_x_at	Pigg	phosphatidy			

1436657	at	Gm11744	predicted gene 11744	NM_001163318	0.0000322717	-2.59003	
1454388	at	2900046F13Rik	RIKEN cDNA 2900046F13 genes	—	0.00385206	-2.59086	
1425293	at	Bod1	biotination of chromosomes in cell division 1	NM_001024919	0.00017935	-2.59165	
1450914	at	Ppp1r14b	protein phosphatase 1, regulatory (inhibitor) subunit 14B	NM_008959	0.000172241	-2.59251	
1455123	at	Mmp2	matrix metalloproteinase 2	NM_0016002	0.00015637	-2.59313	
1436249	at	Cdk42bpa	CDK42 binding protein kinase alpha	NM_001033285	0.00170056	-2.59476	
1419621	at	Ankr2	ankyrin repeat domain 2 (stretch responsive muscle)	NM_020033	0.00175307	-2.59505	
1449755	at	Col15a1	collagen, type XV, alpha 1	NM_009928	0.000380258	-2.59855	
1450627	at	Ank	progressive ankylosis	NM_020332	0.000105367	-2.60013	
1438122	at	Cdc176	coiled-coil domain containing 176	NM_028377	0.00247767	-2.60681	
1420114	s_at	Cops	coordinator of PRMT5, differentiation stimulator	NM_025556	0.000215429	-2.61141	
1439364	a_at	Mmp2	matrix metalloproteinase 2	NM_008610	0.000223888	-2.61448	
1459997	s_at	Tmem17	transmembrane protein 17	NM_153596	0.00459827	-2.61619	
1437538	at	Snhg7	small nuclear RNA host gene (non-protein coding) 7	NM_024068	0.001721847	-2.61663	
1437290	at	Impad1	inositol monophosphatase domain containing 1	NM_177730	0.000925158	-2.61951	
1441197	at	9530059O14Rik	RIKEN cDNA 9530059O14 gene	NR_015610	0.00718499	-2.62071	
1471011	at	Sdc2	syndecan 2	NM_008304	0.00027696	-2.62222	
1446868	at	—	—	—	1.93E-05	-2.62286	
1452270	s_at	Cubn	cubilin (intrinsic factor-cobalamin receptor)	NM_001081084	0.00402794	-2.62836	
1435356	at	Lrp11	low density lipoprotein receptor-related protein 11	NM_172784	0.00836737	-2.6299	
1441001	at	AI225934	expressed sequence AI225934	—	0.00340502	-2.63078	
1434641	x_at	Sez6l2	seizure related 6 homolog like 2	NM_001252566 // NM_001252567 // NM_144926	0.00249803	-2.63455	
1426114	at	Hnmphab	heterogeneous nuclear ribonucleoprotein A/B	NM_0010448061 // NM_010448	0.0006522165	-2.63775	
1448071	at	—	—	—	0.00662354	-2.64097	
1451628	a_at	Ank3	ankyrin 3, epithelial	NM_009670 // NM_146005 // NM_170687 // NM_170688 // NM_170689 // NM_170690 //	0.00426367	-2.64442	
1431780	at	Cdhr4	cadherin-related family member 4	NM_001226235 // NM_177090 // XM_003688869 // XM_003689438	0.00619349	-2.64452	
1439393	s_at	Slc20b1	solute carrier organic anion transporter family, member 2b1	NM_001252530 // NM_001252531 // NM_175316	5.24E-05	-2.64456	
1438202	at	Sulf1	sulfatase 1	NM_001198565 // NM_001198566 // NM_172294	0.00742023	-2.64442	
1437753	at	Faxc	failed axon connections homolog (Drosophila)	NM_175234	0.000302756	-2.64551	
1427231	at	Robo1	roundabout homolog 1 (Drosophila)	NM_019413	0.00333488	-2.64836	
1443719	x_at	—	—	—	0.0136616	-2.6536	
1419329	at	Sorbs3	sorbin and SH3 domain containing 3	NM_0012171407 // NM_0012171408 // NM_0012171409 // NM_011366	0.002722663	-2.65387	
1417673	at	Grb14	growth factor receptor bound protein 14	NM_016719	0.00145319	-2.65787	
1436736	x_at	Nrep	neuronal regeneration related protein	NM_001109988 // NM_001109989 // NM_001267717 // NM_053078	0.00073761	-2.66031	
1420113	s_at	Coprs	coordinator of PRMT5, differentiation stimulator	NM_025556	0.000172699	-2.66278	
1452309	at	Cgn1	cingulin-like 1	NM_026599	0.00214746	-2.66667	
1437635	at	Dcbld2	discoidin, CUB and LCLC domain containing 2	NM_028523	0.000497923	-2.66777	
1456482	at	Ptk3r	phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55)	NM_181585	0.00129405	-2.6686	
1457685	at	Zfp81	zinc finger protein 81	NM_207541	0.00149466	-2.6694	
1451581	at	Ppp6r2	protein phosphatase 6, regulatory subunit 2	NM_026813 // NM_027805	0.000909022	-2.6703	
1437087	at	—	—	—	5.47E-06	-2.67034	
1420144	x_at	Rc3h2	ring finger and CCCH-type zinc finger domains 2	NM_001100591	0.000200405	-2.67038	
1431057	a_at	Prss23	protease, serine, z3	NM_029614	0.000252004	-2.67164	
1447693	s_at	Neot1	neogenin	NM_001042752 // NM_008684	0.002665757	-2.67259	
1440073	at	Rrm1	ribonuclease reductase M1	NM_009103	0.00175057	-2.67275	
1435743	at	Kif23	keiichi-like 23	NM_177784	0.00256064	-2.67396	
1439412	at	2310098C19Rik	RIKEN cDNA 2310098C19 gene	—	0.000000017	-2.67474	
1426313	at	Zc3h13	zinc finger CCCH type containing 13	NM_026083 // NM_027377	0.005614166	-2.67501	
1449851	x_at	LCC101055763	zinc finger protein 120-like	XR_168489	0.006882639	-2.77551	
1451322	at	Cmb1	carboxymethylenebutenolidase-like (Pseudomonas)	NM_181588	7.34E-05	-2.67798	
1416778	at	Sdpr	serum deprivation response	NM_138741	0.00080933	-2.68114	
1441978	at	—	—	—	0.00207899	-2.68134	
1423071	x_at	6720475J19Rik	RIKEN cDNA 6720475J19 gene	NM_026598 // XM_001474896 // XM_001481296	0.001554442	-2.68218	
1437915	at	Tom12	target of myb 1-like 2 (chicken)	NM_001039092 // NM_001039093 // NM_153080	0.00259155	-2.68379	
1417399	at	Gas6	growth arrest specific 6	NM_019521	7.95E-05	-2.68872	
1451895	a_at	Dho24	24-dehydrocholesterol reductase	NM_053272	0.000245861	-2.6904	
1437417	at	Gpc6	glypican 6	NM_01079844 // NM_011821	0.00437773	-2.69265	
1426864	a_at	Ncam1	neural cell adhesion molecule 1	NM_001081445 // NM_00113204 // NM_010875	7.22E-05	-2.69271	
1424004	s_at	4930444A02Rik	RIKEN cDNA 4930444A02 gene	NM_029037	5.46E-05	-2.69433	
1440884	s_at	A530047J11Rik	RIKEN cDNA A530047J11 gene	—	0.000944863	-2.69528	
1438050	x_at	Gm922	predicted gene 9222	XR_168481 // XR_168699	0.004383	-2.69726	
1445930	at	Fndc7	fibronectin type III domain containing 7	NM_001165965 // NM_177091	0.00343399	-2.70554	
1419115	at	Alg14	asparagine-linked glycosylation 14	NM_021498	0.000113978	-2.71014	
1438151	x_at	Zdhhc14	zinc finger, DHHC domain containing 14	NM_146073	0.00100653	-2.71075	
1441192	at	Sdy7	selenocysteine lyase	NM_016717	0.006074	-2.71199	
1450839	at	Nrep	neuronal regeneration related protein	NM_001109988 // NM_001109989 // NM_001267717 // NM_053078	0.000500708	-2.71714	
1447278	at	Cep164	centrosomal protein 164	NM_001081373 // NM_172531	0.00255962	-2.71977	
1457386	at	—	—	—	0.00329952	-2.71978	
1454819	at	Pleckha8	pleckstrin homology domain containing, family A (phosphoinositide binding specific)	NM_001001335 // NM_001164361	0.000125438	-2.72115	
1459627	at	Sc4m01	sterol-C4-methyl oxidase-like	NM_025436	0.00163971	-2.72179	
1429676	at	—	—	—	0.00323627	-2.72446	
1439053	at	—	—	—	0.000960419	-2.73163	
1459480	at	D6Erd90e	DNA segment, Chr 6, ERATO Do 90, expressed	—	0.00606495	-2.73443	
1429452	x_at	Pisd-ps3	phosphatidylserine decarboxylase, pseudogene 3	NR_003518	0.000507543	-2.73657	
1424003	at	4930444A02Rik	RIKEN cDNA 4930444A02 gene	NM_029037	6.07E-05	-2.73737	
1436716	at	Ppp1r14b	protein phosphatase 1, regulatory (inhibitor) subunit 14B	NM_008889	4.88E-05	-2.73808	
1455861	at	Epb4_115	erythrocyte protein band 4.1-like 5	NM_00113416 // NM_145506	0.00744161	-2.73916	
1416498	at	Ptpc	peptidylprolyl isomerase C	NM_008908	0.00112099	-2.74156	
1451325	at	Sox11	SRY-box containing gene 11	NM_009234	0.00112977	-2.74399	
1448211	at	Atp6v0e2	ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit E2	NM_133764	0.000133297	-2.74458	
1417839	at	Cldn5	claudin 5	NM_013805	0.00182833	-2.74604	
1420454	a_at	Chn1	chimerin (chimaerin) 1	NM_001113246 // NM_001166603 // NM_001166604 // NM_029716 // NM_175752	0.00326331	-2.74607	
1453144	at	Pisd-ps3	phosphatidylserine decarboxylase, pseudogene 3	NR_003518	0.00313649	-2.747975	
1459622	at	Gm22	predicted gene 22	NM_001001798 // NM_111398	0.00114956	-2.75449	
1455359	at	Ptpn14	protein tyrosine phosphatase, non-receptor type 14	NM_001033287 // NM_008976	6.16E-05	-2.75777	
1437126	at	—	—	—	0.0039896	-2.75984	
1423407	at	Fbln2	fibrillin 2	NM_001081437 // NM_007992	1.15E-05	-2.76174	
1422504	at	Girb	glycine receptor, beta subunit	NM_010298	0.00186732	-2.76474	
1418379	s_at	Gpr124	G protein-coupled receptor 124	NM_050444	0.000650772	-2.76586	
1417236	at	Kif21a	kinesin family member 21A	NM_001109040 // NM_001109041 // NM_001109042 // NM_016705	0.000515155	-2.76807	
1437385	at	Cobe1	collagen and calcium-binding EGF domains 1	NM_176793	0.000360219	-2.76819	
1426268	at	Tyro3	TYRO3 protein tyrosine kinase 3	NM_016392	0.000322622	-2.77026	
1434324	at	Nr4a1	NR4A1 protein tyrosine kinase 3	NM_153273	0.00133454	-2.77111	
1457826	at	1810043H04Rik	RIKEN cDNA 1810043H04 gene	NM_001110242	1.07E-05	-2.77367	
1426585	at	Akr1b10	aldo-keto reductase family 1, member B10 (aldo-keto reductase)	NM_172398	0.000822724	-2.77404	
1440627	at	Osbp6	oxysterol binding protein-like 6	NM_145525	0.00194948	-2.77556	
1424168	at	A230071A22Rik	RIKEN cDNA A230071A22 gene	NM_015543	0.000335088	-2.77632	
1435537	at	Ptpd	protein tyrosine phosphatase, receptor type D	NM_001014288 // NM_011211 // XR_107614 // XR_140619	0.000796312	-2.77669	
1430369	x_at	Slc9a32	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	NM_023055 // NM_023449	0.000668233	-2.77892	
1437075	at	Frm3d	FERM domain containing 3	NM_001163732 // NM_172869	0.000606087	-2.78387	
1431424	at	28105G20Rik	RIKEN cDNA 28105G20 gene	NR_015543	0.029682	-2.78548	
1449335	at	Tim3	tissue inhibitor of metalloproteinase 3	NM_011595	0.001010598	-2.78553	
1431173	at	Fam53b	family with sequence similarity 53, member B	NM_175288 // NM_212473	0.00142925	-2.78767	
1421663	at	Dhrs2	dehydrogenase/reductase member 2	NM_027790	0.00280929	-2.79298	
1445981	at	—	—	—	0.00843262	-2.79553	
1437289	at	Impad1	inositol monophosphatase domain containing 1	NM_177730	8.03E-05	-2.79754	
1460667	at	U90926	cDNA sequence U90926	NM_020562 // NR_033483	0.00110809 // NM_025663	3.11E-05	-2.79865
1450780	at	Hmg2	high mobility group AT-hook 2	NM_178877	0.0003635234	-2.79969	
1431178	s_at	Dig5	discs, large homolog 5 (Drosophila)	NM_001163513 // NM_027726	0.000161369	-2.80004	
1439995	at	Slc9b2	solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	NM_025685	0.000742437	-2.80065	
1438060	at	Prrc2c	proline-rich coiled-coil 2C	NM_001081290	0.000290605	-2.81355	
1405256	at	Cer1	cerberus 1 homolog (Xenopus laevis)	NM_009887	0.000517279	-2.81381	
1419592	at	Unc5c	unc-5 homolog C (C. elegans)	NM_009472	0.00162849	-2.81459	
1431178	s_at	Gpc4	discs, large homolog 5 (Drosophila)	NM_001163513 // NM_027726	0.000592221	-2.81748	
1439995	at	Npas3	neuronal PAS domain protein 3	NM_013780	0.00776069	-2.81779	
1436532	a_at	Gm10736 // Rpl3	predicted gene 10736 // ribosomal protein L41	NM_018860 // XR_105587 // XR_106827	0.00743506	-2.82581	
1422042	at	Gjc3	gap junction protein, gamma 3	NM_080450	0.00012796	-2.82368	
1436092	at	—	—	—	0.00163092	-2.82104	
1455219	at	Stx1b	SLX1 structure-specific endonuclease subunit homolog B (S. cerevisiae)	NM_029420 // NR_033446	0.00204179	-2.82117	
1450781	at	Hmg2	high mobility group AT-hook 2				

1428851_at	Hmgc2	high mobility group AT-hook 2	NM_010441	0.000378744	-2.85069
1441704_at	...	...	...	0.00575695	-2.85213
1442728_at	...	...	...	0.00878773	-2.85216
1460010_a_at	Ptdss2	phosphatidylserine synthase 2	NM_013782	0.00200483	-2.85232
1441945_s_at	Ahhb14a	abhydrolase domain containing 14A	NM_001110271 // NM_001110272 // NM_145919	0.0009067	-2.8568
1459713_s_at	Ano1	anoctamin, 1, calcium activated chloride channel	NM_001243349 // NM_178642	4.46E-05	-2.8583
1438099_at	Trio	triple functional domain (PTPRF interacting)	NM_001081302	0.000287084	-2.85869
1420798_s_at	Pcdha1 // Podocin	protocadherin alpha 1 // protocadherin alpha 10 // protocadherin alpha 11 // protocadherin alpha 12	NM_001003671 // NM_001003672 // NM_007766 // NM_007767 // NM_009957 // NM_009958	0.00380194	-2.85955
1437887_x_at	Fkbp9	FK506 binding protein 9	NM_012058	0.00102831	-2.86047
1428372_at	Sox11	SRV-box containing gene 11	NM_009234	0.0013821	-2.86055
1435336_at	Celsr2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	NM_001004177 // NM_017392	0.00889171	-2.86491
1459465_at	...	...	...	0.00404463	-2.86899
1440234_at	Lym9	LYR motif containing 9	NM_001076681	0.0011408	-2.86958
1428914_at	Sh3pxd2a	SH3 and PX domains 2A	NM_001164717 // NM_008018 // NM_177833	0.00016554	-2.8742
1442622_at	...	...	...	0.00276575	-2.88524
1453002_at	Sox11	SRV-box containing gene 11	NM_009234	0.00209545	-2.89109
1417027_at	Trim2	tripartite motif-containing 2	NM_001271725 // NM_001271726 // NM_001271727 // NM_001271728 // NM_030706	0.00214456	-2.89206
1449353_at	Zmat3	zinc finger matrin type 3	NM_009517	0.000107752	-2.89409
1429401_at	Stox2	storkhead box 2	NM_001114311 // NM_175162	0.000270009	-2.89603
1436855_at	Ptprs	protein tyrosine phosphatase, receptor type, S	NM_001252453 // NM_001252455 // NM_001252456 // NM_011218	0.00565509	-2.89903
1445451_at	Rik530034D02Rik	RIKEN cDNA 9530034D02 gene	...	0.00810793	-2.89989
1442402_at	Sh3rf1	SH3 domain containing ring finger 1	NM_021506 // NM_198678	0.00184145	-2.90111
1441858_at	...	...	...	0.000196648	-2.90396
1449522_at	Unc5c	unc-5 homolog C (C. elegans)	NM_009472	0.00582393	-2.90827
1436877_at	Lrch2	leucine-rich repeats and calponin homology (CH) domain containing 2	NM_001081173	0.007763767	-2.90915
1434661_at	Syngyr1	synaptogyrin 1	NM_009303 // NM_207708	0.00150467	-2.91962
1435581_at	Bace2	beta-site APP-cleaving enzyme 2	NM_019517	0.000845607	-2.92855
1446451_x_at	Mbp	myelin basic protein	NM_001025245 // NM_001025251 // NM_001025255 // NM_001025256	0.00207806	-2.93214
1447191_at	Dip2b	DIP2 disco-interacting protein 2 homolog B (Drosophila)	NM_001159361 // NM_172819	0.00227954	-2.93469
1418485_at	Slc4a3	solute carrier family 4 (anion exchanger), member 3	NM_009208	0.00528991	-2.93469
1454400_at	Rik532432E15Rik	RIKEN cDNA 4632432E15 gene	...	0.00672277	-2.93939
1440290_at	Gm10010	predicted gene 10010	...	0.00523254	-2.94161
1459888_at	Gm20748	predicted gene, 20748	NR_045420	9.98E-05	-2.94194
1424817_at	Spef1	sperm flagellar 1	NM_027641	0.0004040425	-2.94292
1458940_at	Rik530507A11Rik	RIKEN cDNA 5730507A11 gene	...	0.00510547	-2.94412
1458818_at	D3erfd16ze	DNAs segment, Chr 3, ERATO Doi 16, expressed	...	0.00268493	-2.94452
1457881_at	Osbpl6	oxysterol binding protein-like 6	NM_145525	0.000855285	-2.95064
1436938_at	Rbms3	RNA binding motif, single stranded interacting protein	NM_001172121 // NM_001172122 // NM_001172123 // NM_001172124 // NM_001172126	0.00115663	-2.9527
1439301_at	...	...	...	0.00126649	-2.95543
1418698_a_at	Fech	ferrocelatase	NM_007998	0.00181299	-2.95647
1442870_at	...	...	...	0.000237963	-2.95948
1424807_at	Lama4	laminin, alpha 4	NM_010681	1.37E-05	-2.96025
1450651_at	Myo10	myosin X	NM_019472	0.00240893	-2.96202
1438177_x_at	Entpd4	ectonucleoside triphosphate diphosphohydrolase 4	NM_026174	1.18E-06	-2.96674
1449971_a_at	Cd209f	Cd209f antigen	NM_026956	0.000423889	-2.97146
1457802_at	B93001P20Rik	RIKEN cDNA B93001P20 gene	...	0.00213384	-2.97817
1431795_a_at	Sema3a	semaphorin, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin 3A)	NM_001042779 // NM_009153	0.00134875	-2.9806
1416271_at	Perp	PERP, TP53 apoptosis effector	NM_022032	0.000343513	-2.98506
1442802_x_at	Prrc2a	proline-rich coiled-coil 2A	NM_001199044 // NM_0020027	0.00191186	-2.98581
1448451_at	...	...	...	0.000611394	-2.98539
1439096_at	Ddo	D-aspartate oxidase	NM_027442	0.000497673	-2.98581
1434534_at	Dsc3	desmocollin 3	NM_007882	0.00809918	-2.98823
1458543_at	...	...	...	0.00699739	-2.99001
1425566_a_at	Mlpb	melanophilin	NM_053015	0.00245532	-2.99085
1457043_at	B3galft	beta 1,3-galactosyltransferase-like	NM_001081204	2.75E-05	-2.99321
1458119_at	Sic25a27	solute carrier family 25, member 27	NM_028711	0.00608034	-2.99432
1454516_at	C130021120Rik	Riken cDNA C130021120 gene	...	0.00418984	-2.99487
1441358_at	Pcdhb16	protocadherin beta 16	NM_053141	0.00163158	-2.99817
1452893_s_at	Enhd	energy homeostasis associated	NM_027147	0.000751037	-2.99862
1418493_a_at	Sincs	synuclein, alpha	NM_001042451 // NM_009221	0.0036776	-3.00273
1442352_at	Rik530091N11Rik	RIKEN cDNA 9430091N11 gene	...	0.00433795	-3.02872
1440707_at	Prdm16	PR domain containing 16	NM_001177995 // NM_027504	0.000131311	-3.02967
1437875_at	Bi2d	bicaudal D homolog 2 (Drosophila)	NM_001039179 // NM_001039180 // NM_029791	2.17E-06	-3.03133
1433919_at	Acb4	ankyrin repeat and SOCS box-containing 4	NM_023048	0.00740794	-3.03218
1418739_at	Spk2	serum/glucocorticoid regulated kinase 2	NM_013731	0.00297193	-3.03548
1423110_at	Col1a2	collagen, type I, alpha 2	NM_007743	0.00366823	-3.04713
1456055_x_at	Pold1	polymerase (DNA directed), delta 1, catalytic subunit	NM_011131	0.00568894	-3.04961
1438483_at	Nos1	nitric oxide synthase 1, neuronal	NM_008712	0.00588214	-3.04988
1418699_s_at	Fech	ferrocelatase	NM_007998	0.0016729	-3.05135
1449202_at	Sema4g	semaphorin, immunoglobulin domain (Ig), transmembrane domain (TM) and short basic domain (SBD)	NM_011976	0.000810955	-3.05274
1447393_at	...	...	...	5.30E-05	-3.06102
1459037_at	Pixa2	pixe A2	NM_008882	0.002226728	-3.06107
1448590_at	Col6a1	collagen, type VI, alpha 1	NM_009933	0.00196274	-3.07334
1415984_at	Enpp2	ectonucleotide pyrophosphatase/phosphodiesterase 2	NM_001136077 // NM_015744	5.28E-05	-3.07644
1459707_at	...	...	...	0.00157876	-3.07897
1439597_at	...	...	...	0.00282674	-3.08222
1459978_x_at	Ccnj1	cyclin J-like	NM_001045530	0.00043647	-3.08791
1457151_at	Ddit4	DDA-maze-inducible transcript 4-like	NM_030143	0.00110115	-3.09275
1434887_at	Ncs1	neuronal calcium sensor 1	NM_019581	0.000358827	-3.09812
1428259_at	Pxdn	peroxidasin homolog (Drosophila)	NM_181395	0.000911645	-3.10084
1452026_a_at	Pla2g12a	phospholipase A2, group XIIa	NM_023196 // NM_183423	3.50E-05	-3.10094
1442547_at	...	...	...	0.0040695	-3.10433
1440633_at	Neil3	neil 3 (E. coli)	NM_146208	0.0074255	-3.10488
1455145_at	Pcdt19	protocadherin 19	NM_001105245 // NM_001105246	0.000107417	-3.10861
1435350_at	Rpl41	ribosomal protein L41	NM_018865	0.000105829	-3.10887
1457565_at	Atad5	ATPase family, AAA domain containing 5	NM_001209856	0.00781869	-3.11085
1449249_at	Pcdt7	protocadherin 7	NM_00122758 // NM_018764	0.00370801	-3.11101
1436196_x_at	Zdh1c14	zinc finger, DHHC domain containing 14	NM_146073	0.000789825	-3.11133
1435184_at	Npr3	natriuretic peptide receptor 3	NM_001039181 // NM_008728	0.00661994	-3.11252
1452882_at	Pgrmc2	progesterone receptor membrane component 2	NM_027558	0.000106266	-3.11474
1423677_at	Fkbp9	FK506 binding protein 9	NM_012056	9.88E-05	-3.11698
1436539_at	Clim	calmin	NM_001046862 // NM_053155	0.0015305	-3.14012
1456228_x_at	Mbp	myelin basic protein	NM_001025245 // NM_001025251 // NM_001025254 // NM_001025255 // NM_001025256	0.00226653	-3.14277
1420192_at	Tmem191c	transmembrane protein 191c	NM_177473	0.00840007	-3.14819
1436201_x_at	Mbp	myelin basic protein	NM_001025245 // NM_001025251 // NM_001025254 // NM_001025255 // NM_001025256	0.00128447	-3.15221
1442414_at	Tubb1	tubulin, beta 1 class VI	NM_001080971	0.000546852	-3.15506
1419089_at	Timp3	tissue inhibitor of metalloproteinase 3	NM_011595	7.22E-05	-3.15545
1453128_at	Lvye1	lymphatic vessel endothelial hyaluronan receptor 1	NM_053247	0.000350971	-3.15644
1439619_at	Tcf12	transcription factor 12	NM_001253862 // NM_001253863 // NM_001253864 // NM_001253865 // NM_011544	0.0025104	-3.15766
1436537_at	Gm17167	predicted gene 17167	...	0.00352147	-3.16201
1436511_at	Wifp1	WT1-interacting protein	NM_207212	0.000582007	-3.16493
1448876_at	Evc	Ellis van Creveld gene syndrome	NM_021292	0.000133838	-3.16587
1426348_at	Col4a1	collagen, type IV, alpha 1	NM_009931	0.00332913	-3.17309
1442911_a_at	Dcbld1	discidin, CUB and LCC domain containing 1	NM_025705	0.00112901	-3.18525
1441498_at	...	...	...	0.00266952	-3.19065
1416121_at	Lox	lysyl oxidase	NM_010728	0.000856503	-3.19285
1448818_at	Wnt5a	wingless-related MMTV integration site 5A	NM_001256224 // NM_009524	0.004055438	-3.19356
1457692_at	...	...	...	0.00617214	-3.19562
1435541_at	Btc	betacellulin, epidermal growth factor family member	NM_007568	0.00704331	-3.20312
1417776_at	Azgp1	alpha-2-glycoprotein 1, zinc	NM_013478	0.00295064	-3.20425
1452106_at	Nprn	nephromedin	NM_001029836 // NM_033525	0.00144589	-3.20502
1427338_at	Crocc	ciliarty roollet coiled-coil, rootletin	NM_00145988 // NM_172122	0.00440419	-3.20849
1443075_at	...	...	...	0.00739529	-3.21562
147635_at	Spa17	sperrin autoantigenic protein 17	NM_011449	0.000486134	-3.22191
1424770_at	Cald1	caldesmon 1	NM_145575	7.49E-06	-3.22799
1456282_at	Zfp934	zinc finger protein 934	NM_00162911 // NM_175252	0.000569545	-3.22866
1459497_at	...	...	...	1.50E-05	-3.23764
1439352_at	Tim7	tripartite motif-containing 7	NM_053166	0.00242449	-3.24716
1416953_at	Ctgf	connective tissue growth factor	NM_010217	0.000242413	-3.24817
1446481_at	...	...	...	0.00266952	-3.25562
1453262_at	2810032G03Rik	RIKEN cDNA 2810032G03 gene	NM_028319 // NR_015579	0.00104628	-3.25861
1447975_at	Gm20748	predicted gene, 20748	NM_0014262	0.000144919	-3.26798
1422184_at	Akt1	adenylate kinase	NM_001198790 // NM_001198791 // NM_001198792 // NM_021515	0.00239763	-3.27435
1452827_s_at	Aif1	allotroph inflammatory factor 1-like	NM_145144	0.00765719	-3.27821
1452708_s_at	Luc7l	Luc7 homolog (S. cerevisiae)-like	NM_025881 // NM_028190 // NR_037905 // NR_037906	7.98E-06	-3.28061
1440254_at	Snord104	small nucleolar RNA, C/D box 104	NR_030703	0.00854322	-3.28243

1448136	at	Enpp2	ectonucleotide pyrophosphatase/phosphodiesterase 2	NM_001136077 // NM_015744	1.72E-05	-3.28805
1425357	a_t	Grem1	gremin 1	NM_011824	0.00638345	-3.29003
1447983	at	---	---	---	0.00749958	-3.2905
1441524	at	---	---	---	0.0067742	-3.2975
1441524	a_t	Cav1	caveolin 1, caveolae protein	NM_001243064 // NM_007616	2.45E-05	-3.29809
1455812	a_t	Vesn	vesin	NM_139397	0.00123206	-3.2985
1437360	at	Poth19	proteocadherin 19	NM_001105245 // NM_001105246	5.26E-06	-3.30695
1432376	at	4930556A12Rik	RIKEN cDNA 4930556A12 gene	---	0.00346558	-3.31237
1457304	at	D13Ert787e	DNA segment, Chr 13, ERATO Doi 787, expressed	---	0.00830838	-3.3183
1452107	s_at	Nprnt	nephronectin	NM_001029836 // NM_033525	0.009641836	-3.32043
1447774	x_at	Fam213a	family with sequence similarity 213, member A	NM_027484	0.00978627	-3.32544
1460140	at	---	---	---	0.0004002	-3.33985
1456315	a_t	Ptpla	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	NM_001012396 // NM_013935	0.000912459	-3.34229
1430622	at	48834323F13Rik	RIKEN cDNA 48834323F13 gene	XR_105767 // XR_107012	0.00392341	-3.34357
1451501	a_t	Ghr	growth hormone receptor	NM_001048147 // NM_001048178 // NM_010284	3.72E-05	-3.34527
1444222	x_at	---	---	---	0.00765036	-3.34765
1456341	a_t	Kif9	Krueppel-like factor 9	NM_010638	0.00199391	-3.35188
1420514	at	Tmem47	transmembrane protein 47	NM_138751	0.0096655486	-3.35982
1440285	at	Ppp1ra	protein phosphatase 1, regulatory (inhibitor) subunit 9A	NM_181595	0.00394044	-3.35976
1445758	at	---	---	---	0.00447215	-3.36296
1429537	at	Sfrs18	serine/arginine-rich splicing factor 18	NM_025669	0.000390439	-3.36387
1451961	a_t	Mbp	myelin basic protein	NM_001025245 // NM_001025251 // NM_001025255 // NM_00102525	0.000540643	-3.37089
1459132	at	Bnc2	basonuclin 2	NM_127870	0.000221979	-3.38055
1458324	x_at	---	---	---	0.000356941	-3.38385
1443281	at	Nrcam	neuron-glia-CAM-related cell adhesion molecule	NM_001146031 // NM_176930	0.00154895	-3.39784
1447159	at	---	---	---	0.000542239	-3.39834
1430583	at	Nrcam	neuron-glia-CAM-related cell adhesion molecule	NM_001146031 // NM_176930	0.0006164	-3.40077
1454877	at	Sertad4	SERTA domain containing 4	NM_001177794 // NM_198247	9.32E-05	-3.40394
1448228	at	Lox	lysyl oxidase	NM_010728	0.000545869	-3.40471
1429051	s_at	Sox11	SRY-box containing gene 11	NM_009234	0.000459451	-3.41437
1441953	at	Stox2	strokehead box 2	NM_001114311 // NM_175162	0.00366773	-3.42149
1419978	s_at	Anhgef25	Rho guanine nucleotide exchange factor (GEF) 25	NM_001166413 // NM_028027	0.000923839	-3.42166
1423584	s_at	Igfbp7	insulin-like growth factor binding protein 7	NM_001159518 // NM_008048	7.44E-05	-3.42673
1416808	at	Nid1	nidogen 1	NM_010917	2.67E-05	-3.42706
1456316	a_t	Acb3d	acyl-Coenzyme A binding domain containing 3	NM_133225	0.00417235	-3.42852
1456746	a_t	C09orf1	C099 antigen-like 2	NM_001199349 // NM_138309	2.02E-05	-3.43207
1433658	x_at	Pcbp4	poly(C) binding protein 4	NM_021567	0.000606774	-3.43378
1440064	at	E1t4	enhancer trap locus 4	NM_001081006 // NM_001177630 // NM_001177631 // NM_028985 // NM_178059	0.00817437	-3.4383
1436959	x_at	Nsmf	NMDA receptor synaptonuclear signaling and neuronal migration factor	NM_001039386 // NM_001039387 // NM_001177654 // NM_001177655 // NM_020276	0.00537376	-3.43965
1447484	x_at	---	---	---	0.000626662	-3.43969
1452716	at	Fam213a	family with sequence similarity 213, member A	NM_027464	0.000163692	-3.44324
1456319	at	---	---	---	0.00331654	-3.44483
1440248	at	Casc4	cancer susceptibility candidate 4	NM_001205369 // NM_001205370 // NM_001205371 // NM_177054 // NM_199038	6.54E-05	-3.44681
1425258	at	Prrx1	paired related homeobox 1	NM_001025570 // NM_011127 // NM_175686	0.00599391	-3.45507
1444074	at	Syne2	specrin repeat containing, nuclear envelope 2	NM_001065510	0.000624093	-3.46758
1437869	x_at	Bgn	biglycan	NM_0075942	1.3E-06	-3.46894
1440566	s_at	Megf8	multiple EGF-like-domains 8	NM_001160400	1.80E-06	-3.47553
1450851	a_t	Col1a2	collagen, type I, alpha 2	NM_007743	7.59E-06	-3.47255
1453957	at	---	---	---	0.00356341	-3.48861
1438975	x_at	Zdhhc14	zinc finger, DHHC domain containing 14	NM_146073	0.000290667	-3.48986
1428644	a_t	Mast5	mennoside acetyl-glucosaminyltransferase 5	NM_145128	3.27E-07	-3.50307
1428739	at	Erho	energy homeostasis associated	NM_021147	0.00096076	-3.60467
1419241	a_t	Aire	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dysplasia)	NM_001217549 // NM_001217550 // NM_001217551 // NM_001217552 // NM_00121755	0.00884163	-3.50665
1439397	at	Fmn1	frmin 1	NM_001043322 // NM_012030	0.00063842	-3.51151
1428564	a_t	Zfp579	zinc finger protein 579	NM_0267441	0.00494725	-3.51289
1424439	at	1810065E05Rik	RIKEN cDNA 1810065E05 gene	NM_027239	0.00362686	-3.51627
1430776	s_at	Ankr24	ankyrin repeat domain 24	NM_027480	0.0061753	-3.51897
1416194	a_t	Cypb1	cytochrome P450, family 4, subfamily b, polypeptide 1	NM_007823	0.00217417	-3.52383
1426272	at	Lmrn1	limb region 1	NM_020295	0.000327139	-3.52439
1448986	x_at	Dnase2a	deoxyribonuclease II alpha	NM_010062	0.00802451	-3.53164
1436737	s_at	Sorbs1	sorbin and SH3 domain containing 1	NM_001034962 // NM_001034963 // NM_001034964 // NM_009166 // NM_178362	5.28E-05	-3.53773
1436367	at	Ptprb	protein tyrosine phosphatase, receptor type, B	NM_029928	7.68E-05	-3.54158
1452366	at	Csgalnact1	chondroitin sulfate N-acetylgalactosaminyltransferase 1	NM_001256263 // NM_172753	0.000814515	-3.54676
1441623	at	---	---	---	0.00403092	-3.54901
1456106	x_at	Sdcag3	serologically defined colon cancer antigen 3	NM_001085407 // NM_001085408 // NM_026563 // NM_030155	0.000552503	-3.56408
1456843	s_at	Yes1	Yamauchi sarcoma viral (y-yes) oncogene homolog 1	NM_001205132 // NM_001205133 // NM_009535	0.00107779	-3.56728
1452653	s_at	Klin17	kelch-like 17	NM_198305	0.00603197	-3.56983
1446117	at	Spir1	spire homolog 1 ( <i>Drosophila</i> )	NM_178632 // NM_194355	0.00334974	-3.57042
1434474	at	Abc5	ATP-binding cassette, sub-family A (ABC1), member 5	NM_147219	0.005558813	-3.57178
1446967	at	---	---	---	0.00797612	-3.57551
1417879	at	Nenf	nenf derived neurotrophic factor	NM_025424	0.000123647	-3.58956
1437174	at	Tfdp2	transcription factor Dp 2	NM_001184706 // NM_001184708 // NM_001184709 // NM_001184710 // NM_001184711	0.00264974	-3.58966
1458632	at	---	---	---	0.000440585	-3.59648
1449688	at	Anhgef25	Rho guanine nucleotide exchange factor (GEF) 25	NM_001166413 // NM_028027	0.000327994	-3.60072
1439368	a_t	Slc9a3r2	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	NM_023055 // NM_023449	0.000196083	-3.60174
1428670	at	---	---	---	0.00252607	-3.61512
1436917	s_at	Gpsm1	G-protein signalling modulator 1 (AGS3-like, <i>C. elegans</i> )	NM_001199146 // NM_001199147 // NM_153410	0.0023398	-3.62218
1419156	at	Sox4	SRY-box containing gene 4	NM_009238	0.000504114	-3.63171
1437614	x_at	Zdhhc14	zinc finger, DHHC domain containing 14	NM_146073	0.000390575	-3.63332
1420909	at	St6galnac3	ST6(alpha-N-acetyl-neuramyl-2-beta-galactosyl-1,3)-N-acetylgalactosaminidase	NM_011372	0.000771272	-3.6367
1418726	a_t	Tnnt2	tropomodulin T2, cardiac	NM_001130174 // NM_001130175 // NM_001130176 // NM_001130177 // NM_001130178	0.000771272	-3.63757
1424051	at	Col4a2	collagen, type IV, alpha 2	NM_009932	7.49E-05	-3.65504
14242595	at	Gm2115	predicted gene 2115	NM_04598	0.000924378	-3.65899
1425213	at	Fam81a	family with sequence similarity 81, member A	NM_029784	0.000385519	-3.66493
1440425	at	---	---	---	0.00852404	-3.67942
1429052	at	Ptpd	protein tyrosine phosphatase, receptor type, D	NM_001014288 // NM_011211 // XR_107614 // XR_140619	0.000649161	-3.68241
1433924	s_at	Peg3	paternally expressed 3	NM_008817	0.00451909	-3.68868
1416658	at	Fzr2	frizzled-related protein	NM_011356	0.000357784	-3.68991
1427101	at	Metnm	meteorn, gial-6 cell differentiation regulator	NM_137319	5.35E-06	-3.6909
1440480	at	Nav2	neuron navigator 2	NM_001111016 // NM_175272	3.35E-06	-3.6973
1436128	at	Gm12500	predicted gene 12500	---	0.00079966	-3.73269
1427123	s_at	Copp2as2	cooper protein complex, subunit gamma 2, antisense 2	NR_002845	0.000402001	-3.73508
1420502	at	Pou4f1	POU domain, class 4, transcription factor 1	NM_011143	0.00391935	-3.74501
1444905	at	---	---	---	0.00138484	-3.76007
1451789	a_t	Ryk	receptor-like tyrosine kinase	NM_001042607 // NM_013649	4.79E-06	-3.77551
1452433	at	---	---	---	1.85E-05	-3.77814
1434115	at	Cdh13	cadherin 13	NM_019707	9.18E-05	-3.78979
1419678	s_at	Hes2	hyaluronan synthase 2	NM_008216	0.00152524	-3.79261
1434458	a_t	Fst	follistatin	NM_008046	0.00114482	-3.79431
1447458	at	---	---	---	0.00333659	-3.8003
1439473	at	---	---	---	0.00813745	-3.80214
1435254	at	Plnxb1	plexin B1	NM_172775	0.00307403	-3.82677
1447787	x_at	Gic1	gap junction protein, gamma 1	NM_001159382 // NM_001159383 // NM_008122	0.00584886	-3.84298
1416405	s_at	Bgn	biglycan	NM_0075942	3.24E-07	-3.8482
1443647	at	---	---	---	0.00742188	-3.84852
1436145	at	---	---	---	0.000387736	-3.85879
1417962	s_at	Ghr	growth hormone receptor	NM_001048147 // NM_001048178 // NM_010284	9.94E-07	-3.85963
1421796	at	Wnk4	WNK lysine deficient protein kinase 4	NM_175638	0.000633801	-3.86711
1419383	a_t	S100b	S100 protein, beta polypeptide, neural	NM_009115	3.28E-05	-3.89208
1418289	at	Nes	nestin	NM_016701	3.32E-05	-3.90747
1450121	at	Scn1a	sodium channel, voltage-gated, type I, alpha	NM_018733	0.00414853	-3.90773
1423310	at	Tpbq	trophoblast glycoprotein	NM_001164792 // NM_011627	0.000726965	-3.91513
1448254	at	Ptn	pleiotrophin	NM_008973	0.00096263	-3.91535
1442673	at	---	---	---	0.000362368	-3.91931
1428387	at	Acls3	acyl-CoA synthetase long-chain family member 3	NM_001033606 // NM_001136222 // NM_028817	4.51E-05	-3.92296
1421172	at	Adam12	a disintegrin and metalloproteinase domain 12 (meltrin alpha)	NM_007400	0.000654824	-3.92743
1426270	at	Miy9	myosin, light polypeptide 9, regulatory	NM_172118	1.17E-06	-3.93091
1457434	s_at	Ptpa	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	NM_001012396 // NM_013935	9.98E-05	-3.93964
1456110	at	Ankr11	ankyrin repeat domain 11	NM_001081379 // NR_037865	0.00175619	-3.94347
1435050	at	D10Bwg1379e	DNA segment, Chr 10, Brigham & Women's Genetics 1379 expressed	NM_001033258	0.00290566	-3.9482
1418733	at	Twist1	twist basic helix-loop-helix transcription factor 1	NM_011658	0.000420685	-3.95211
1439933	at	B430316J06Rik	RIKEN cDNA B430316J06 gene	---	0.00483187	-3.9586
1456035	at	Nxt3	nuclear RNA export factor 3	NM_001024141	0.00509622	-3.97377
1458934	a_t	D5Ert50Se				

1457985_at	Clinn	calmin	NM_001040682 /// NM_053155	0.000684324	-4.03678
1436678_at	Sgcb	sarcoglycan, beta (dystrophin-associated glycoprotein)	NM_011890	6.60E-05	-4.05165
1441403_at	---	---	---	0.00059468	-4.05469
1430675_at	2900055J20Rik	RIKEN cDNA 2900055J20 gene	NR_045177	0.0020763	-4.05602
1445479_at	---	---	---	0.00051965	-4.07777
1444271_at	Dzx1	DAZ interacting protein 1	NM_025943	0.005650207	-4.07638
1430431_x_at	Bied1	bicaudal D homolog 1 (Drosophila)	NM_001112796 /// NM_009753	0.000764054	-4.08126
1450678_at	LOC497255	uncharacterized LOC497255	---	4.14E-05	-4.09768
1442115_at	Piez2	piezo-type mechanosensitive ion channel component 2	NM_001039485 /// NM_172629	0.00193062	-4.10159
1434399_at	Galt6	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase	NM_001161767 /// NM_001161768 /// NM_172451	3.58E-07	-4.10836
1456346_at	---	---	---	0.00155098	-4.12524
1423887_x_at	Telo2	TEL2, telomere maintenance 2, homolog (S. cerevisiae)	NM_001163661 /// NM_027880	0.000642326	-4.141
1437671_x_at	Prss23	protease, serine, 23	NM_028614	0.000107213	-4.16039
1455234_at	B3galt1	UDP-Gal-beta-GlcNAc beta 1,3-galactosyltransferase, polypeptide 1	NM_020283	0.000103206	-4.16785
1448323_a_at	Bgn	biglycan	NM_007542	1.74E-07	-4.19584
1427284_at	Ttpa	tocopherol (alpha) transfer protein	NM_015767	0.00844469	-4.19653
1443962_at	Tfdp2	transcription factor Dp 2	NM_001184706 /// NM_001184708 /// NM_001184709 /// NM_001184710 /// NM_001184711	0.000775949	-4.21232
1428989_at	Rian	RNA imprinted and accumulated in nucleus	NR_028261	0.000220893	-4.21445
1438972_x_at	2810410L24Rik	RIKEN cDNA 2810410L24 gene	NR_030682	0.000280318	-4.22205
1439198_at	---	---	---	0.00314901	-4.22938
1417645_at	Sspn	sarcospan	NM_010656	2.04E-05	-4.2461
1438405_at	Fgf7	fibroblast growth factor 7	NM_008008	0.000143133	-4.26323
1455048_at	Igsf3	immunoglobulin superfamily, member 3	NM_207205	0.000651394	-4.30295
1457969_at	---	---	---	0.00835013	-4.30669
1442977_at	---	---	---	0.00109077	-4.31934
1459354_at	---	---	---	0.00336166	-4.35438
1449169_at	Has2	hyaluronan synthase 2	NM_008216	1.34E-05	-4.37053
1435460_at	Prkg2	protein kinase, cGMP-dependent, type II	NM_008926	0.000698158	-4.41292
1422169_a_at	Bdnf	brain derived neurotrophic factor	NM_001048139 /// NM_001048141 /// NM_001048142 /// NM_007540	8.79E-05	-4.42894
1447483_a_at	---	---	---	0.000199271	-4.43049
1433255_at	8430437B07Rik	RIKEN cDNA 8430437B07 gene	---	0.000430202	-4.43908
1445553_at	Tmem56	transmembrane protein 56	NM_178936	0.00127838	-4.48566
1423311_s_at	Tpbg	trophoblast glycoprotein	NM_001164792 /// NM_011627	1.71E-05	-4.49928
1426388_at	Ryk	receptor-like tyrosine kinase	NM_001042607 /// NM_013649	9.22E-06	-4.51904
1424657_at	D1Ertd273e	DNA segment, Chr 1, ERATO Doi 273, expressed	---	0.00172627	-4.52795
1429166_s_at	Clinn	calmin	NM_001040682 /// NM_053155	1.54E-06	-4.5525
1449577_x_at	Tpm2	tropomyosin 2, beta	NM_001277875 /// NM_001277876 /// NM_009416	2.64E-06	-4.57364
1423505_at	Tagln	transgelin	NM_011526	1.31E-05	-4.58496
1441807_s_at	---	---	---	0.00547884	-4.59877
1417872_at	Fhl1	four and a half LIM domains 1	NM_001077361 /// NM_001077362 /// NM_010211	3.83E-05	-4.60606
1455145_at	Pisd-ps3	phosphatidylserine decarboxylase, pseudogene 3	NR_03518	0.000200335	-4.61026
1439191_at	---	---	---	0.00172019	-4.65706
1416454_s_at	Acta2	actin, alpha 2, smooth muscle, aorta	NM_007392	3.41E-06	-4.66022
1420100_s_at	D13Ertd787e	DNA segment, Chr 13, ERATO Doi 787, expressed	---	0.00499268	-4.68014
1436106_at	Pcdhb21	protocadherin beta 21	NM_053146	0.00144349	-4.70986
1425458_s_at	Grb10	growth factor receptor bound protein 10	NM_001177629 /// NM_010345	1.19E-05	-4.72716
1436612_at	Cyp1b1	cytochrome P450, family 1, subfamily b, polypeptide 1	NM_009984	0.000919529	-4.73532
1459541_at	---	---	---	0.00063551	-4.73944
1457642_at	Skid1	SKI/DACH domain containing 1	NM_028317	0.00061676	-4.78073
1424131_at	Col6a3	collagen, type VI, alpha 3	NM_001243008 /// NM_001243009 /// NM_009935	2.52E-06	-4.84592
1458414_at	D2Ertd83e	DNA segment, Chr 2, ERATO Doi 93, expressed	---	0.000345981	-4.85051
1423281_at	Stath2	stathmin-like 2	NM_025285	6.76E-06	-4.87077
1450757_at	Cdh11	cadherin 11	NM_009866	4.85E-05	-4.89857
1419675_at	Negf	neuro growth factor	NM_001112698 /// NM_013609	3.17E-06	-4.95067
1416203_at	Aqp1	aquaporin 1	NM_0074128	3.44E-05	-4.97816
1416342_at	Tnc	tenascin C	NM_011607	4.67E-07	-5.00731
1420941_at	Rgs5	regulator of G-protein signaling 5	NM_009063	1.24E-05	-5.03338
1447240_at	---	---	---	0.000724635	-5.15054
1454000_s_at	Cdc173	coiled-coil domain containing 173	NM_001077684	0.000506535	-5.18779
1417281_a_at	Mmp23	matrix metalloproteinase 23	NM_011985	0.000768291	-5.20319
1447695_at	2610035D17Rik	RIKEN cDNA 2610035D17 gene	NR_015556	0.000107685	-5.2119
1435493_at	Dsp	desmoplakin	NM_023842	0.00417714	-5.21711
1456523_at	Gm2115	predicted gene 2115	NM_045098	7.77E-06	-5.22826
1452035_at	Co4a1	collagen, type IV, alpha 1	NM_009931	6.96E-06	-5.23294
1420388_at	Prss12	protease, serine, 12, neutrophilysin (motopsin)	NM_008939	6.19E-05	-5.24874
1426782_at	Gpr125	G protein-coupled receptor 125	NM_133911	5.78E-05	-5.28929
1452757_s_at	Hba-a1 // Hba-a	hemoglobin alpha, adult chain 1 // hemoglobin alpha, adult chain 2	NM_001083955 /// NM_008218	0.00647927	-5.30095
1435120_at	---	---	---	7.23E-07	-5.31794
1427760_s_at	Gm7040 // Prt26	predicted gene 7040 // prolactin family 2, subfamily c, member 2 // prolactin family 1	NM_0011188 /// NM_011954 /// NM_031191 /// XM_01473551 /// XM_904245	7.07E-07	-5.35158
1445666_at	---	---	---	0.000844729	-5.35468
1455948_s_at	Matn3	matrin 3	NM_010770	0.000788678	-5.40148
1415865_s_at	Bpgm	2,3-bisphosphoglycerate mutase	NM_007563	0.000235307	-5.44928
1444622_at	---	---	---	0.00110747	-5.47816
1420992_at	Ankrd1	ankyrin repeat domain 1 (cardiac muscle)	NM_013468	0.000609943	-5.57233
1418389_at	Fam220a	family with sequence similarity 220, member A	NM_026050 /// NM_133703	0.000256765	-5.57447
1437012_x_at	Rapgef3	Rap guanine nucleotide exchange factor (GEF) 3	NM_001177810 /// NM_001177811 /// NM_144850	0.000844394	-5.63431
1433643_at	Cacna2d1	calcium channel, voltage-dependent, alpha2/delta subunit 1	NM_001110843 /// NM_001110844 /// NM_001110845 /// NM_009784	0.000635032	-5.66599
1459749_s_at	Fat4	FAT tumor suppressor homolog 4 (Drosophila)	NM_183224	0.000459863	-5.71633
1417466_at	Rgs5	regulator of G-protein signaling 5	NM_009063	0.0023293	-5.78801
1431559_at	4930435M08Rik	RIKEN cDNA 4930435M08 gene	---	0.00689444	-5.8183
1416693_at	Foxc2	forkhead box C2	NM_013519	3.00E-05	-5.8427
1419431_at	Ereg	epiregulin	NM_007950	6.39E-06	-5.85763
1417644_at	Sspn	sarcospan	NM_010656	7.71E-06	-5.86548
1445938_at	5930427L02Rik	RIKEN cDNA 5930427L02 gene	---	0.00373718	-6.24534
1425028_at	Tpm2	tropomyosin 2, beta	NM_001277875 /// NM_001277876 /// NM_009416	1.44E-06	-6.33765
1448416_at	Mgp	matrix Gla protein	NM_008597	1.50E-07	-6.36427
1419738_at	Tpm2	tropomyosin 2, beta	NM_001277875 /// NM_001277876 /// NM_009416	8.04E-07	-6.37984
1440175_at	Epn2	epin 2	NM_001252188 /// NM_001252189 /// NM_010148	0.0015279	-6.38828
1423062_at	Igfbp3	insulin-like growth factor binding protein 3	NM_008343	0.000284366	-6.39183
1443801_at	---	---	---	0.00025154	-6.42097
1456200_at	---	---	---	0.00187322	-6.55693
1442700_at	Ryk	receptor-like tyrosine kinase	NM_001042607 /// NM_013649	5.51E-05	-6.56062
1432739_at	Gtf1	Gtf homeolog, spindle assembly associated (yeast)	NM_030237	0.000630333	-6.58145
143162_at	Prkg2	protein kinase, cGMP-dependent, type II	NM_008926	0.000222091	-6.97161
1415864_at	Bpgm	2,3-bisphosphoglycerate mutase	NM_007563	0.000350703	-7.07869
1448119_at	Bpgm	2,3-bisphosphoglycerate mutase	NM_007563	0.00149094	-7.17015
1446172_at	Cyr61	cytostine-rich protein 61	NM_010516	0.00334103	-7.19964
1422340_x_at	Cyr61	cytostine-rich protein 61	NM_010516	0.00380937	-7.32289
1424470_at	Rapgef3	Rap guanine nucleotide exchange factor (GEF) 3	NM_001177810 /// NM_001177811 /// NM_144850	0.000640028	-7.41287
1431248_at	5031426D15Rik	RIKEN cDNA 5031426D15 gene	NM_026575 /// NR_027890	0.004435158	-7.4551
1457823_at	Cyr61	cytostine-rich protein 61	NM_010516	0.00288104	-7.52357
1446291_at	Vpas39	VPS33B interacting protein, apical-basolateral polarity regulator, spe-39 homolog	NM_001142580 /// NM_001142581 /// NM_134044	0.00140702	-7.66074
1437390_x_at	Stx1a	syntaxin 1A (brain)	NM_016891	0.00239078	-8.17743
1447714_x_at	Hba-a1 // Hba-a	hemoglobin alpha, adult chain 1 // hemoglobin alpha, adult chain 2	NM_01083955 /// NM_008218	0.0017171391	-8.69027
1447187_at	---	---	---	0.00102701	-10.1527
1417337_at	Epb4.2	erythrocyte protein band 4.2	NM_013513	0.00396742	-11.0638
1457307_at	Apol11b	apolipoprotein L 11b	NM_001143686	0.0008824295	-12.6906
1440927_x_at	Apol11b	apolipoprotein L 11b	NM_001143683	0.00103346	-12.845
1459860_x_at	Trim2	tripartite motif-containing 2	NM_001271725 /// NM_001271726 /// NM_001271727 /// NM_001271728 /// NM_030706	8.53E-05	-17.8597
1451675_at	Alas2	aminolevulinic acid synthase 2, erythroid	NM_001024466 /// NM_009653	0.00174612	-17.8876
1425643_at	Gypa	glycophorin A	NM_010369	0.000178761	-20.3192
1416464_at	Slc4a1	solute carrier family 4 (anion exchanger), member 1	NM_011403	0.000103856	-27.6043
1436936_s_at	Xist	inactive X specific transcripts	NM_0014635 /// NR_001570	0.0052693	-28.9205
1423016_a_at	Gypa	glycophorin A	NM_010369	0.000146423	-30.2766
1449077_at	Ahsp	alpha hemoglobin stabilizing protein	NM_133245	9.19E-05	-32.653
1434502_x_at	Slc4a1	solute carrier family 4 (anion exchanger), member 1	NM_011403	8.22E-05	-35.0878

Supplementary Table 2. Geneset enrichment analysis against the Reactome database of transcriptional differences between tumors from *Bach2*-deficient and WT mice

Geneset	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX
1 REACTOME IMMUNOREGULATORY INTERACTIONS BETWEEN A LYMPHOID AND A NON LYMPHOID CELL	38	0.87	2.19	0	0	0	0
2 REACTOME INTERFERON GAMMA SIGNALING	40	0.86	2.16	0	0	0	0
3 REACTOME INTERFERON ALPHA/BETA SIGNALING	43	0.84	2.15	0	0	0	0
4 REACTOME CYTOKINE SIGNALING IN IMMUNE SYSTEM	211	0.74	2.09	0	0	0	0
5 REACTOME INTERFERON SIGNALING	116	0.75	2.08	0	0	0	0
6 REACTOME COSTIMULATION BY THE CD28 FAMILY	51	0.79	2.07	0	0	0	0
7 REACTOME TCR SIGNALING	43	0.81	2.07	0	0	0	0
8 REACTOME SIGNALING BY ILS	94	0.75	2.04	0	0	0	0
9 REACTOME GENERATION OF SECOND MESSENGER MOLECULES	20	0.88	2	0	0	0	0
10 REACTOME INNATE IMMUNE SYSTEM	185	0.68	1.93	0	0	0	0
11 REACTOME CLASS A RHODOPSIN LIKE RECEPTORS	219	0.67	1.92	0	0	0	0
12 REACTOME CHEMOKINE RECEPTORS BIND CHEMOKINES	44	0.76	1.91	0	0	0.001	0
13 REACTOME IL RECEPTOR SHC SIGNALING	25	0.79	1.9	0	0	0.001	0
14 REACTOME REGULATION OF IFNA SIGNALING	17	0.85	1.89	0	0	0.001	0
15 REACTOME IL1 SIGNALING	31	0.77	1.88	0	0	0.002	0
16 REACTOME DOWNSTREAM TCR SIGNALING	26	0.79	1.87	0	0	0.003	0
17 REACTOME IL 3,5 AND GM CSF SIGNALING	40	0.74	1.87	0	0	0.003	0
18 REACTOME IL 2 SIGNALING	38	0.74	1.85	0	0	0.006	0
19 REACTOME APOPTOSIS	128	0.66	1.85	0	0	0.007	0
20 REACTOME ADAPTIVE IMMUNE SYSTEM	430	0.64	1.83	0	0.001	0.012	0
21 REACTOME NUCLEOTIDE BINDING DOMAIN LEUCINE RICH REPEAT CONTAINING RECEPTOR NLR SIGNALING PATHWAYS	33	0.75	1.83	0	0.001	0.013	0
22 REACTOME THE ROLE OF NEF IN HIV1 REPLICATION AND DISEASE PATHOGENESIS	26	0.76	1.83	0	0.001	0.014	0
23 REACTOME TOLL RECEPTOR CASCADES	98	0.67	1.82	0	0.001	0.015	0
24 REACTOME ACTIVATED TLR4 SIGNALLING	78	0.66	1.8	0	0.001	0.023	0
25 REACTOME TRAF6 MEDIATED IRF7 ACTIVATION	21	0.78	1.79	0	0.001	0.028	0
26 REACTOME SIGNALING BY THE B CELL RECEPTOR BCR	108	0.64	1.78	0	0.002	0.042	0
27 REACTOME RIG I MDA5 MEDIATED INDUCTION OF IFN ALPHA/BETA PATHWAYS	53	0.69	1.77	0	0.002	0.044	0
28 REACTOME SIGNALING BY SCF KIT	64	0.67	1.77	0	0.002	0.045	0
29 REACTOME ANTIGEN ACTIVATES B CELL RECEPTOR LEADING TO GENERATION OF SECOND MESSENGERS	27	0.73	1.77	0	0.002	0.048	0
30 REACTOME GPVI MEDIATED ACTIVATION CASCADE	29	0.73	1.76	0	0.002	0.052	0
31 REACTOME G ALPHAI SIGNALLING EVENTS	149	0.63	1.76	0	0.002	0.054	0
32 REACTOME CELL SURFACE INTERACTIONS AT THE VASCULAR WALL	76	0.65	1.76	0	0.002	0.058	0
33 REACTOME GPCR DOWNSTREAM SIGNALING	384	0.61	1.75	0	0.003	0.085	0
34 REACTOME GPCR LIGAND BINDING	312	0.61	1.74	0	0.003	0.094	0
35 REACTOME CD28 CO STIMULATION	27	0.73	1.74	0	0.003	0.104	0
36 REACTOME ACTIVATION OF NF KAPPAB IN B CELLS	57	0.66	1.74	0	0.003	0.104	0
37 REACTOME TRIF MEDIATED TLR3 SIGNALING	62	0.66	1.74	0.001	0.003	0.105	0
38 REACTOME MYD88 MAP CASCADE INITIATED ON PLASMA MEMBRANE	69	0.65	1.74	0	0.003	0.116	0
39 REACTOME PEPTIDE LIGAND BINDING RECEPTORS	142	0.62	1.72	0	0.004	0.147	0
40 REACTOME INTRINSIC PATHWAY FOR APOPTOSIS	27	0.71	1.72	0.002	0.004	0.155	0

Supplemental Table 3. Enrichment of REACTOME\_INNATE\_IMMUNE\_SYSTEM in transcriptional differences between tumors from Bach2-deficient and WT mice

	PROBE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
1	ZBP1	50	3.795	0.0193	Yes
2	CFB	53	3.782	0.0407	Yes
3	C3	106	3.268	0.0569	Yes
4	IRF1	113	3.241	0.0751	Yes
5	RNF125	176	2.948	0.089	Yes
6	CCR2	187	2.912	0.1051	Yes
7	MEFV	219	2.785	0.1195	Yes
8	IRAK3	271	2.635	0.1321	Yes
9	MYD88	286	2.6	0.1463	Yes
10	RIPK3	303	2.566	0.1601	Yes
11	IRF7	369	2.455	0.1711	Yes
12	BIRC3	441	2.312	0.181	Yes
13	CD180	446	2.3	0.1939	Yes
14	PLCG2	488	2.238	0.2047	Yes
15	CASP4	497	2.225	0.217	Yes
16	CASP1	498	2.224	0.2297	Yes
17	NFKBIA	506	2.21	0.2419	Yes
18	TLR2	517	2.199	0.254	Yes
19	IFIH1	583	2.099	0.2629	Yes
20	TLR1	604	2.066	0.2737	Yes
21	CD14	636	2.027	0.2838	Yes
22	PELI1	654	2.003	0.2944	Yes
23	TRAF6	687	1.946	0.304	Yes
24	CYLD	699	1.937	0.3146	Yes
25	DDX58	717	1.919	0.3247	Yes
26	UNC93B1	718	1.919	0.3356	Yes
27	TNFAIP3	720	1.916	0.3464	Yes
28	TLR8	742	1.892	0.3562	Yes
29	TRIM25	745	1.89	0.3669	Yes
30	IRF2	752	1.88	0.3773	Yes
31	RIPK1	753	1.878	0.388	Yes
32	HERC5	756	1.875	0.3986	Yes
33	PSTPIP1	758	1.873	0.4092	Yes
34	RPS6KA1	788	1.839	0.4183	Yes
35	CD55	803	1.815	0.428	Yes
36	TXNIP	830	1.787	0.437	Yes
37	RPS6KA5	857	1.757	0.4457	Yes
38	TLR4	915	1.705	0.4528	Yes
39	CD4	934	1.69	0.4616	Yes
40	C1QC	946	1.683	0.4707	Yes
41	MAPKAPK	995	1.642	0.4778	Yes
42	NFKB2	1123	1.534	0.4807	Yes
43	C1QB	1139	1.524	0.4887	Yes

44	<a href="#">LY86</a>	1273	1.436	0.4907	Yes
45	<a href="#">IRAK2</a>	1294	1.42	0.4979	Yes
46	<a href="#">BTK</a>	1303	1.414	0.5055	Yes
47	<a href="#">LGMN</a>	1377	1.371	0.51	Yes
48	<a href="#">TLR7</a>	1459	1.321	0.5137	Yes
49	<a href="#">C1QA</a>	1494	1.303	0.5196	Yes
50	<a href="#">TICAM1</a>	1559	1.271	0.5239	Yes
51	<a href="#">OTUD5</a>	1567	1.268	0.5308	Yes
52	<a href="#">PYCARD</a>	1621	1.24	0.5354	Yes
53	<a href="#">CASP8</a>	1661	1.218	0.5405	Yes
54	<a href="#">TLR6</a>	1692	1.204	0.546	Yes
55	<a href="#">RIPK2</a>	1709	1.197	0.552	Yes
56	<a href="#">RNF135</a>	1711	1.196	0.5588	Yes
57	<a href="#">LGALS3</a>	1731	1.188	0.5647	Yes
58	<a href="#">MAP2K3</a>	1761	1.177	0.57	Yes
59	<a href="#">TBK1</a>	1783	1.17	0.5757	Yes
60	<a href="#">RELA</a>	1811	1.159	0.5811	Yes
61	<a href="#">APP</a>	1876	1.134	0.5846	Yes
62	<a href="#">IKBKE</a>	1883	1.13	0.5907	Yes
63	<a href="#">IRAK4</a>	1947	1.104	0.5941	Yes
64	<a href="#">CTSB</a>	1959	1.099	0.5998	Yes
65	<a href="#">BIRC2</a>	1972	1.091	0.6055	Yes
66	<a href="#">P2RX7</a>	2007	1.079	0.6101	Yes
67	<a href="#">CFH</a>	2115	1.04	0.611	Yes
68	<a href="#">PELI2</a>	2141	1.032	0.6158	Yes
69	<a href="#">BCL2</a>	2165	1.02	0.6205	Yes
70	<a href="#">NFKBIB</a>	2231	1.002	0.6232	Yes
71	<a href="#">MEF2A</a>	2292	0.981	0.626	Yes
72	<a href="#">MAP2K4</a>	2450	0.93	0.6241	Yes
73	<a href="#">PRSS2</a>	2488	0.919	0.6276	Yes
74	<a href="#">TANK</a>	2517	0.913	0.6315	Yes
75	<a href="#">CREB1</a>	2617	0.887	0.632	Yes
76	<a href="#">CAPZA1</a>	2622	0.886	0.6369	Yes
77	<a href="#">ATG5</a>	2652	0.88	0.6405	Yes
78	<a href="#">DNM2</a>	2654	0.879	0.6455	Yes
79	<a href="#">JUN</a>	2706	0.865	0.648	Yes
80	<a href="#">CTSS</a>	2742	0.858	0.6513	Yes
81	<a href="#">CREBBP</a>	2836	0.832	0.6518	Yes
82	<a href="#">EP300</a>	2886	0.822	0.6542	Yes
83	<a href="#">EEA1</a>	2892	0.82	0.6586	Yes
84	<a href="#">TRAF2</a>	2895	0.819	0.6632	Yes
85	<a href="#">TLR5</a>	2909	0.816	0.6672	Yes
86	<a href="#">MAPK9</a>	2915	0.814	0.6716	Yes
87	<a href="#">PANX1</a>	2917	0.814	0.6762	Yes
88	<a href="#">RPS6KA3</a>	2986	0.796	0.6776	Yes
89	<a href="#">PIK3C3</a>	2993	0.795	0.6819	Yes

90	<a href="#">LBP</a>	3100	0.766	0.6813	Yes
91	<a href="#">CASP9</a>	3141	0.756	0.6838	Yes
92	<a href="#">IKBKG</a>	3228	0.738	0.684	Yes
93	<a href="#">MAPK14</a>	3345	0.712	0.6827	No
94	<a href="#">BCL2L1</a>	3503	0.685	0.6794	No
95	<a href="#">IKBKB</a>	3663	0.658	0.6758	No
96	<a href="#">TIRAP</a>	3664	0.658	0.6795	No
97	<a href="#">C1S</a>	3865	0.626	0.6739	No
98	<a href="#">IRF3</a>	3899	0.62	0.6759	No
99	<a href="#">TAX1BP1</a>	4005	0.606	0.6745	No
100	<a href="#">MAPKAPK</a>	4041	0.598	0.6763	No
101	<a href="#">ATF2</a>	4047	0.597	0.6795	No
102	<a href="#">MAP2K1</a>	4250	0.566	0.6734	No
103	<a href="#">PIK3R4</a>	4344	0.549	0.6722	No
104	<a href="#">ATG12</a>	4374	0.544	0.674	No
105	<a href="#">MAP3K7</a>	4396	0.541	0.6761	No
106	<a href="#">ELK1</a>	4476	0.526	0.6754	No
107	<a href="#">FOS</a>	4530	0.517	0.6759	No
108	<a href="#">UBE2D1</a>	4589	0.507	0.6762	No
109	<a href="#">CHUK</a>	4629	0.504	0.6772	No
110	<a href="#">DUSP3</a>	4847	0.475	0.6699	No
111	<a href="#">MAPK8</a>	4932	0.464	0.6687	No
112	<a href="#">TLR3</a>	5081	0.443	0.6644	No
113	<a href="#">IFNB1</a>	5102	0.44	0.666	No
114	<a href="#">UBE2D3</a>	5155	0.433	0.6661	No
115	<a href="#">PPP2R1A</a>	5196	0.429	0.6666	No
116	<a href="#">MAP3K1</a>	5227	0.426	0.6677	No
117	<a href="#">UBE2D2</a>	5270	0.421	0.6681	No
118	<a href="#">LY96</a>	5340	0.412	0.6673	No
119	<a href="#">PPP2R1B</a>	5353	0.411	0.6691	No
120	<a href="#">PRKCSH</a>	5463	0.396	0.6663	No
121	<a href="#">CAPZA2</a>	5466	0.396	0.6685	No
122	<a href="#">MAPK1</a>	5503	0.393	0.6691	No
123	<a href="#">MEF2C</a>	5677	0.373	0.6632	No
124	<a href="#">SAA1</a>	5686	0.373	0.665	No
125	<a href="#">CTSK</a>	5826	0.357	0.6606	No
126	<a href="#">MAPK7</a>	5985	0.34	0.6553	No
127	<a href="#">CASP2</a>	6390	0.299	0.6383	No
128	<a href="#">TRAF3</a>	6719	0.269	0.6248	No
129	<a href="#">C2</a>	6925	0.249	0.6167	No
130	<a href="#">MAPK3</a>	6931	0.249	0.6179	No
131	<a href="#">PPP2CA</a>	6990	0.244	0.6166	No
132	<a href="#">ART1</a>	7227	0.223	0.607	No
133	<a href="#">MASP2</a>	7589	0.189	0.5915	No
134	<a href="#">PPP2CB</a>	7635	0.185	0.5905	No
135	<a href="#">DUSP6</a>	8098	0.153	0.57	No

136	<a href="#">IFNA2</a>	8300	0.14	0.5616	No
137	<a href="#">MAP2K7</a>	8397	0.135	0.5579	No
138	<a href="#">MAPK11</a>	8465	0.13	0.5556	No
139	<a href="#">UBE2N</a>	8638	0.12	0.5483	No
140	<a href="#">RPS6KA2</a>	8843	0.107	0.5395	No
141	<a href="#">FADD</a>	8858	0.106	0.5395	No
142	<a href="#">HSP90B1</a>	9314	0.082	0.519	No
143	<a href="#">ZFYVE20</a>	9430	0.076	0.5141	No
144	<a href="#">PROS1</a>	9611	0.067	0.5062	No
145	<a href="#">UBE2L6</a>	9878	0.053	0.4943	No
146	<a href="#">IRAK1</a>	10013	0.047	0.4884	No
147	<a href="#">ATF1</a>	10087	0.044	0.4853	No
148	<a href="#">HSP90AB1</a>	10094	0.044	0.4852	No
149	<a href="#">DDOST</a>	10244	0.038	0.4786	No
150	<a href="#">DAK</a>	11050	0.004	0.4415	No
151	<a href="#">C6</a>	11483	-0.012	0.4217	No
152	<a href="#">PCBP2</a>	11568	-0.015	0.4179	No
153	<a href="#">PPP2R5D</a>	12331	-0.043	0.383	No
154	<a href="#">IFNA4</a>	12566	-0.052	0.3726	No
155	<a href="#">DEFB129</a>	12698	-0.057	0.3668	No
156	<a href="#">CRP</a>	13196	-0.074	0.3444	No
157	<a href="#">IFNA6</a>	13348	-0.08	0.3379	No
158	<a href="#">DEFB103A</a>	13514	-0.085	0.3307	No
159	<a href="#">MAPK10</a>	13765	-0.094	0.3198	No
160	<a href="#">C4BPA</a>	13909	-0.099	0.3137	No
161	<a href="#">MASP1</a>	14094	-0.107	0.3059	No
162	<a href="#">C9</a>	14462	-0.121	0.2897	No
163	<a href="#">C8A</a>	14607	-0.126	0.2837	No
164	<a href="#">C8B</a>	14619	-0.126	0.2839	No
165	<a href="#">IFNA5</a>	14664	-0.128	0.2826	No
166	<a href="#">SIGIRR</a>	15504	-0.161	0.2449	No
167	<a href="#">TLR9</a>	15996	-0.183	0.2233	No
168	<a href="#">HMGB1</a>	16130	-0.189	0.2183	No
169	<a href="#">MAP2K6</a>	16334	-0.199	0.2101	No
170	<a href="#">DNM1</a>	16337	-0.199	0.2111	No
171	<a href="#">CFD</a>	16811	-0.222	0.1906	No
172	<a href="#">AGER</a>	17142	-0.239	0.1767	No
173	<a href="#">MBL2</a>	17916	-0.29	0.1428	No
174	<a href="#">MAP2K2</a>	17972	-0.293	0.1419	No
175	<a href="#">CCR6</a>	18110	-0.303	0.1373	No
176	<a href="#">CFI</a>	18305	-0.319	0.1302	No
177	<a href="#">CD46</a>	19426	-0.443	0.0811	No
178	<a href="#">DEFB1</a>	20120	-0.548	0.0523	No
179	<a href="#">MAPK13</a>	20224	-0.571	0.0508	No
180	<a href="#">IFNA1</a>	20445	-0.617	0.0442	No
181	<a href="#">MAPK12</a>	20660	-0.668	0.0381	No

182	<a href="#"><u>PIN1</u></a>	20884	-0.734	0.032	No
183	<a href="#"><u>ECSIT</u></a>	20965	-0.762	0.0326	No
184	<a href="#"><u>S100B</u></a>	21107	-0.82	0.0308	No
185	<a href="#"><u>DUSP4</u></a>	21296	-0.916	0.0274	No

Supplemental Table 4. Enrichment of REACTOME\_ADAPTIVE\_IMMUNE\_SYSTEM in transcriptional differences between tumors from Bach2-deficient and WT mice

	PROBE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
1	<a href="#">CD8B</a>	17	4.718	0.0125	Yes
2	<a href="#">CD8A</a>	21	4.489	0.025	Yes
3	<a href="#">ITK</a>	32	4.198	0.0364	Yes
4	<a href="#">CD96</a>	37	4.02	0.0476	Yes
5	<a href="#">CD28</a>	38	3.987	0.0588	Yes
6	<a href="#">PDCD1</a>	58	3.735	0.0685	Yes
7	<a href="#">KLRK1</a>	59	3.735	0.079	Yes
8	<a href="#">PDCD1LG</a>	74	3.532	0.0883	Yes
9	<a href="#">SELL</a>	75	3.53	0.0983	Yes
10	<a href="#">CD247</a>	78	3.504	0.1081	Yes
11	<a href="#">CD3G</a>	80	3.471	0.1178	Yes
12	<a href="#">KLRC1</a>	98	3.364	0.1265	Yes
13	<a href="#">C3</a>	106	3.268	0.1354	Yes
14	<a href="#">CD160</a>	140	3.077	0.1426	Yes
15	<a href="#">TAP1</a>	151	3.047	0.1507	Yes
16	<a href="#">ICOS</a>	157	3.029	0.159	Yes
17	<a href="#">CYBB</a>	163	2.994	0.1672	Yes
18	<a href="#">LCK</a>	197	2.866	0.1738	Yes
19	<a href="#">PIK3CD</a>	205	2.841	0.1815	Yes
20	<a href="#">ITGB7</a>	227	2.771	0.1883	Yes
21	<a href="#">LAT</a>	237	2.741	0.1956	Yes
22	<a href="#">CD3D</a>	250	2.694	0.2026	Yes
23	<a href="#">PIK3AP1</a>	263	2.654	0.2096	Yes
24	<a href="#">PSMB8</a>	264	2.652	0.2171	Yes
25	<a href="#">HCST</a>	270	2.637	0.2243	Yes
26	<a href="#">RASGRP1</a>	283	2.604	0.2311	Yes
27	<a href="#">LCP2</a>	288	2.597	0.2382	Yes
28	<a href="#">PSMB9</a>	310	2.554	0.2444	Yes
29	<a href="#">KLRD1</a>	314	2.547	0.2515	Yes
30	<a href="#">FCGR3A</a>	315	2.545	0.2586	Yes
31	<a href="#">CTSC</a>	316	2.544	0.2658	Yes
32	<a href="#">CD86</a>	318	2.543	0.273	Yes
33	<a href="#">WAS</a>	320	2.542	0.2801	Yes
34	<a href="#">ITGB2</a>	339	2.502	0.2863	Yes
35	<a href="#">ZAP70</a>	370	2.455	0.2918	Yes
36	<a href="#">FYB</a>	374	2.448	0.2986	Yes
37	<a href="#">ICAM1</a>	385	2.426	0.305	Yes
38	<a href="#">NFKBIE</a>	401	2.387	0.311	Yes
39	<a href="#">SYK</a>	426	2.334	0.3165	Yes
40	<a href="#">CD40</a>	435	2.32	0.3226	Yes
41	<a href="#">CDH1</a>	454	2.291	0.3283	Yes
42	<a href="#">NCF4</a>	460	2.282	0.3345	Yes
43	<a href="#">SOCS3</a>	470	2.264	0.3404	Yes

44	<a href="#">PLCG2</a>	488	2.238	0.346	Yes
45	<a href="#">VAV1</a>	496	2.227	0.3519	Yes
46	<a href="#">NFKBIA</a>	506	2.21	0.3577	Yes
47	<a href="#">PAK1</a>	508	2.208	0.3639	Yes
48	<a href="#">TAP2</a>	525	2.188	0.3694	Yes
49	<a href="#">TRAT1</a>	539	2.172	0.3749	Yes
50	<a href="#">CD3E</a>	554	2.149	0.3803	Yes
51	<a href="#">MALT1</a>	564	2.134	0.3859	Yes
52	<a href="#">REL</a>	622	2.05	0.389	Yes
53	<a href="#">ZBTB16</a>	657	1.997	0.3931	Yes
54	<a href="#">CD74</a>	676	1.965	0.3978	Yes
55	<a href="#">TRAF6</a>	687	1.946	0.4028	Yes
56	<a href="#">PTPRC</a>	703	1.934	0.4076	Yes
57	<a href="#">PTPN6</a>	709	1.927	0.4128	Yes
58	<a href="#">FCGR2B</a>	716	1.919	0.4179	Yes
59	<a href="#">ASB13</a>	790	1.836	0.4197	Yes
60	<a href="#">CBLB</a>	794	1.831	0.4247	Yes
61	<a href="#">TRIM36</a>	796	1.831	0.4298	Yes
62	<a href="#">NCF2</a>	801	1.821	0.4348	Yes
63	<a href="#">MAP3K8</a>	817	1.801	0.4391	Yes
64	<a href="#">VCAM1</a>	839	1.78	0.4432	Yes
65	<a href="#">CTLA4</a>	840	1.779	0.4482	Yes
66	<a href="#">CD80</a>	843	1.777	0.4531	Yes
67	<a href="#">DTX3L</a>	847	1.772	0.458	Yes
68	<a href="#">EVL</a>	848	1.771	0.463	Yes
69	<a href="#">RASGRP2</a>	859	1.756	0.4675	Yes
70	<a href="#">PSMB10</a>	885	1.731	0.4712	Yes
71	<a href="#">GRAP2</a>	888	1.73	0.476	Yes
72	<a href="#">SH3KBP1</a>	897	1.722	0.4805	Yes
73	<a href="#">IFITM1</a>	926	1.694	0.4839	Yes
74	<a href="#">CD4</a>	934	1.69	0.4884	Yes
75	<a href="#">PIK3R1</a>	985	1.646	0.4907	Yes
76	<a href="#">CD200R1</a>	1041	1.606	0.4927	Yes
77	<a href="#">TRIM21</a>	1055	1.597	0.4966	Yes
78	<a href="#">AP2B1</a>	1245	1.458	0.4919	Yes
79	<a href="#">LNPEP</a>	1270	1.438	0.4948	Yes
80	<a href="#">SOCS1</a>	1287	1.428	0.4981	Yes
81	<a href="#">BTK</a>	1303	1.414	0.5014	Yes
82	<a href="#">FYN</a>	1309	1.41	0.5051	Yes
83	<a href="#">CARD11</a>	1317	1.402	0.5088	Yes
84	<a href="#">UBE2W</a>	1323	1.396	0.5125	Yes
85	<a href="#">LGMN</a>	1377	1.371	0.5139	Yes
86	<a href="#">BTLA</a>	1462	1.32	0.5137	Yes
87	<a href="#">ICOSLG</a>	1535	1.283	0.5139	Yes
88	<a href="#">CTSO</a>	1590	1.255	0.515	Yes
89	<a href="#">CSK</a>	1593	1.253	0.5184	Yes

90	<a href="#">PSME2</a>	1606	1.246	0.5214	Yes
91	<a href="#">CD274</a>	1608	1.245	0.5248	Yes
92	<a href="#">PAK2</a>	1626	1.236	0.5275	Yes
93	<a href="#">GRB2</a>	1630	1.234	0.5309	Yes
94	<a href="#">UBE3A</a>	1634	1.232	0.5342	Yes
95	<a href="#">PIK3CB</a>	1646	1.225	0.5371	Yes
96	<a href="#">AP1S2</a>	1696	1.203	0.5382	Yes
97	<a href="#">TNFRSF14</a>	1704	1.199	0.5413	Yes
98	<a href="#">RIPK2</a>	1709	1.197	0.5445	Yes
99	<a href="#">ASB8</a>	1713	1.195	0.5477	Yes
100	<a href="#">STIM1</a>	1717	1.195	0.551	Yes
101	<a href="#">PSME1</a>	1737	1.186	0.5534	Yes
102	<a href="#">PRKCQ</a>	1740	1.185	0.5567	Yes
103	<a href="#">PPP2R5A</a>	1782	1.17	0.5581	Yes
104	<a href="#">CDKN1A</a>	1788	1.166	0.5611	Yes
105	<a href="#">CYBA</a>	1791	1.165	0.5643	Yes
106	<a href="#">DCTN4</a>	1796	1.163	0.5674	Yes
107	<a href="#">CD226</a>	1801	1.161	0.5705	Yes
108	<a href="#">RELA</a>	1811	1.159	0.5733	Yes
109	<a href="#">PVR</a>	1848	1.145	0.5749	Yes
110	<a href="#">ICAM2</a>	1900	1.124	0.5757	Yes
111	<a href="#">PAG1</a>	1906	1.119	0.5786	Yes
112	<a href="#">RNF34</a>	1929	1.11	0.5807	Yes
113	<a href="#">CTSH</a>	1936	1.108	0.5836	Yes
114	<a href="#">CTSB</a>	1959	1.099	0.5856	Yes
115	<a href="#">SIPA1</a>	2068	1.057	0.5836	Yes
116	<a href="#">HUWE1</a>	2073	1.055	0.5864	Yes
117	<a href="#">UBE2G2</a>	2151	1.025	0.5857	Yes
118	<a href="#">TYROBP</a>	2162	1.021	0.5881	Yes
119	<a href="#">CRTAM</a>	2167	1.019	0.5908	Yes
120	<a href="#">NFKBIB</a>	2231	1.002	0.5907	Yes
121	<a href="#">TSC2</a>	2236	1	0.5933	Yes
122	<a href="#">SEC24B</a>	2240	1	0.596	Yes
123	<a href="#">NR4A1</a>	2252	0.995	0.5983	Yes
124	<a href="#">PSMA8</a>	2256	0.993	0.601	Yes
125	<a href="#">AP1G1</a>	2262	0.991	0.6035	Yes
126	<a href="#">UBE2J1</a>	2312	0.972	0.604	Yes
127	<a href="#">PSMA6</a>	2333	0.967	0.6058	Yes
128	<a href="#">CLTC</a>	2345	0.962	0.608	Yes
129	<a href="#">ITGAV</a>	2616	0.887	0.5979	Yes
130	<a href="#">CREB1</a>	2617	0.887	0.6004	Yes
131	<a href="#">KIF3B</a>	2621	0.886	0.6028	Yes
132	<a href="#">DNM2</a>	2654	0.879	0.6037	Yes
133	<a href="#">HERC2</a>	2679	0.872	0.6051	Yes
134	<a href="#">TRIM11</a>	2710	0.865	0.6061	Yes
135	<a href="#">CTSS</a>	2742	0.858	0.6071	Yes

136	<a href="#">SEC24C</a>	2756	0.853	0.6089	Yes
137	<a href="#">CBL</a>	2783	0.846	0.6101	Yes
138	<a href="#">CDC42</a>	2814	0.836	0.611	Yes
139	<a href="#">ITPR2</a>	2816	0.835	0.6134	Yes
140	<a href="#">UBR1</a>	2911	0.816	0.6113	Yes
141	<a href="#">FBXW7</a>	2923	0.812	0.6131	Yes
142	<a href="#">AP2A2</a>	2932	0.809	0.615	Yes
143	<a href="#">HECTD3</a>	2981	0.798	0.615	Yes
144	<a href="#">KLHL20</a>	3008	0.79	0.616	Yes
145	<a href="#">MAP3K14</a>	3032	0.783	0.6171	Yes
146	<a href="#">RNF138</a>	3077	0.772	0.6173	Yes
147	<a href="#">CASP9</a>	3141	0.756	0.6165	Yes
148	<a href="#">IKBKG</a>	3228	0.738	0.6145	Yes
149	<a href="#">PPP2R5E</a>	3242	0.736	0.616	Yes
150	<a href="#">FBXW11</a>	3282	0.726	0.6162	Yes
151	<a href="#">BLNK</a>	3292	0.724	0.6179	Yes
152	<a href="#">RPS6KB2</a>	3303	0.72	0.6194	Yes
153	<a href="#">UBE2Q1</a>	3371	0.707	0.6183	Yes
154	<a href="#">AP1B1</a>	3391	0.703	0.6194	Yes
155	<a href="#">RCHY1</a>	3404	0.701	0.6208	Yes
156	<a href="#">RAP1B</a>	3409	0.7	0.6226	Yes
157	<a href="#">ENAH</a>	3419	0.698	0.6241	Yes
158	<a href="#">RILP</a>	3426	0.697	0.6258	Yes
159	<a href="#">PDPK1</a>	3439	0.694	0.6272	Yes
160	<a href="#">ITGB5</a>	3466	0.691	0.628	Yes
161	<a href="#">SEC61A1</a>	3474	0.69	0.6296	Yes
162	<a href="#">KRAS</a>	3540	0.679	0.6285	Yes
163	<a href="#">NCK1</a>	3559	0.675	0.6295	Yes
164	<a href="#">PSME4</a>	3572	0.673	0.6309	Yes
165	<a href="#">TPP2</a>	3589	0.67	0.632	Yes
166	<a href="#">CD36</a>	3623	0.665	0.6324	Yes
167	<a href="#">UBE2H</a>	3646	0.661	0.6332	Yes
168	<a href="#">IKBKB</a>	3663	0.658	0.6343	Yes
169	<a href="#">ASB11</a>	3700	0.652	0.6345	Yes
170	<a href="#">BCL10</a>	3722	0.648	0.6353	Yes
171	<a href="#">AKT3</a>	3744	0.645	0.6362	Yes
172	<a href="#">PSMA1</a>	3900	0.62	0.6307	No
173	<a href="#">NPEPPS</a>	3983	0.61	0.6286	No
174	<a href="#">ASB3</a>	4101	0.588	0.6248	No
175	<a href="#">VASP</a>	4109	0.587	0.6261	No
176	<a href="#">KIF11</a>	4152	0.582	0.6258	No
177	<a href="#">UBE2F</a>	4161	0.581	0.6271	No
178	<a href="#">RNF6</a>	4184	0.578	0.6277	No
179	<a href="#">AP2S1</a>	4234	0.568	0.627	No
180	<a href="#">PTEN</a>	4245	0.567	0.6281	No
181	<a href="#">RAF1</a>	4254	0.565	0.6294	No

182	<a href="#">ANAPC2</a>	4288	0.558	0.6294	No
183	<a href="#">RNF25</a>	4329	0.551	0.6291	No
184	<a href="#">PRKACB</a>	4387	0.543	0.628	No
185	<a href="#">MAP3K7</a>	4396	0.541	0.6291	No
186	<a href="#">UBE4A</a>	4422	0.535	0.6295	No
187	<a href="#">UBR2</a>	4509	0.522	0.6269	No
188	<a href="#">DCTN6</a>	4521	0.519	0.6279	No
189	<a href="#">PSMF1</a>	4585	0.508	0.6264	No
190	<a href="#">UBE2D1</a>	4589	0.507	0.6277	No
191	<a href="#">CHUK</a>	4629	0.504	0.6273	No
192	<a href="#">ITGB1</a>	4641	0.502	0.6282	No
193	<a href="#">ARIH2</a>	4663	0.498	0.6286	No
194	<a href="#">BTRC</a>	4667	0.498	0.6299	No
195	<a href="#">ITPR3</a>	4701	0.494	0.6297	No
196	<a href="#">UBE2L3</a>	4703	0.493	0.6311	No
197	<a href="#">MRC1</a>	4711	0.492	0.6321	No
198	<a href="#">RNF41</a>	4757	0.487	0.6314	No
199	<a href="#">B2M</a>	4798	0.481	0.6309	No
200	<a href="#">AKT2</a>	4876	0.472	0.6287	No
201	<a href="#">SHC1</a>	4947	0.461	0.6267	No
202	<a href="#">KEAP1</a>	4949	0.461	0.6279	No
203	<a href="#">PSMA4</a>	5023	0.451	0.6258	No
204	<a href="#">UBOX5</a>	5130	0.437	0.6221	No
205	<a href="#">UBE2D3</a>	5155	0.433	0.6222	No
206	<a href="#">GAN</a>	5181	0.43	0.6223	No
207	<a href="#">PPP2R1A</a>	5196	0.429	0.6228	No
208	<a href="#">CDC26</a>	5200	0.428	0.6239	No
209	<a href="#">PSMD3</a>	5208	0.427	0.6248	No
210	<a href="#">UBE2D2</a>	5270	0.421	0.6231	No
211	<a href="#">ANAPC1</a>	5330	0.413	0.6215	No
212	<a href="#">PSMD9</a>	5339	0.412	0.6223	No
213	<a href="#">PPP2R1B</a>	5353	0.411	0.6229	No
214	<a href="#">PSMB2</a>	5520	0.39	0.6162	No
215	<a href="#">AP2M1</a>	5544	0.388	0.6163	No
216	<a href="#">SMURF1</a>	5604	0.381	0.6146	No
217	<a href="#">UBE2J2</a>	5611	0.38	0.6154	No
218	<a href="#">PSMD4</a>	5632	0.378	0.6155	No
219	<a href="#">CUL3</a>	5675	0.374	0.6146	No
220	<a href="#">CALM1</a>	5681	0.373	0.6154	No
221	<a href="#">MDM2</a>	5700	0.371	0.6156	No
222	<a href="#">UBE2A</a>	5726	0.368	0.6155	No
223	<a href="#">PIK3CA</a>	5727	0.368	0.6165	No
224	<a href="#">SEC31A</a>	5737	0.367	0.6172	No
225	<a href="#">UBE2G1</a>	5747	0.366	0.6178	No
226	<a href="#">KIF2A</a>	5777	0.362	0.6174	No
227	<a href="#">PSMD14</a>	5796	0.361	0.6176	No

228	<a href="#">ASB2</a>	5809	0.359	0.6181	No
229	<a href="#">CTSK</a>	5826	0.357	0.6183	No
230	<a href="#">ASB6</a>	5847	0.355	0.6184	No
231	<a href="#">NRAS</a>	5861	0.354	0.6188	No
232	<a href="#">RAC1</a>	5864	0.354	0.6197	No
233	<a href="#">PPP2R5C</a>	5924	0.347	0.6179	No
234	<a href="#">ATG7</a>	5943	0.345	0.6181	No
235	<a href="#">DYN1I2</a>	5952	0.343	0.6187	No
236	<a href="#">PDIA3</a>	5966	0.342	0.619	No
237	<a href="#">PJA2</a>	5979	0.34	0.6194	No
238	<a href="#">AP1M1</a>	6015	0.337	0.6188	No
239	<a href="#">YWHAZ</a>	6023	0.336	0.6194	No
240	<a href="#">CDC23</a>	6048	0.333	0.6192	No
241	<a href="#">CLTA</a>	6076	0.331	0.6189	No
242	<a href="#">ASB1</a>	6119	0.326	0.6178	No
243	<a href="#">TRIP12</a>	6122	0.325	0.6187	No
244	<a href="#">PSMD11</a>	6186	0.319	0.6166	No
245	<a href="#">UBE3C</a>	6325	0.305	0.6111	No
246	<a href="#">AKT1</a>	6396	0.299	0.6086	No
247	<a href="#">UBE2Z</a>	6423	0.296	0.6083	No
248	<a href="#">RAP1A</a>	6424	0.296	0.6091	No
249	<a href="#">BLK</a>	6520	0.287	0.6055	No
250	<a href="#">PJA1</a>	6541	0.285	0.6054	No
251	<a href="#">SOS1</a>	6545	0.285	0.606	No
252	<a href="#">DCTN5</a>	6597	0.279	0.6044	No
253	<a href="#">ASB7</a>	6681	0.273	0.6013	No
254	<a href="#">ACTR1A</a>	6701	0.271	0.6012	No
255	<a href="#">KIF22</a>	6776	0.263	0.5985	No
256	<a href="#">RNF4</a>	6777	0.263	0.5992	No
257	<a href="#">MAPKAP1</a>	6789	0.262	0.5995	No
258	<a href="#">DET1</a>	6824	0.259	0.5986	No
259	<a href="#">HSPA5</a>	6887	0.254	0.5964	No
260	<a href="#">KIF20A</a>	6921	0.25	0.5956	No
261	<a href="#">KIF5B</a>	6949	0.247	0.595	No
262	<a href="#">PPP2CA</a>	6990	0.244	0.5939	No
263	<a href="#">CUL2</a>	6993	0.243	0.5945	No
264	<a href="#">UBE2E2</a>	7128	0.231	0.5889	No
265	<a href="#">SPSB2</a>	7190	0.226	0.5867	No
266	<a href="#">DYN1H1</a>	7246	0.221	0.5847	No
267	<a href="#">SMURF2</a>	7253	0.221	0.5851	No
268	<a href="#">FBXO3</a>	7313	0.215	0.5829	No
269	<a href="#">CALM2</a>	7324	0.214	0.5831	No
270	<a href="#">DYN1LI2</a>	7346	0.212	0.5827	No
271	<a href="#">CDC27</a>	7380	0.209	0.5817	No
272	<a href="#">PLCG1</a>	7397	0.207	0.5816	No
273	<a href="#">GSK3A</a>	7398	0.207	0.5822	No

274	<a href="#">PSMA2</a>	7468	0.2	0.5795	No
275	<a href="#">UBE2Q2</a>	7501	0.197	0.5786	No
276	<a href="#">ANAPC4</a>	7631	0.185	0.5731	No
277	<a href="#">PPP2CB</a>	7635	0.185	0.5735	No
278	<a href="#">KIF23</a>	7728	0.177	0.5697	No
279	<a href="#">AP1M2</a>	7745	0.176	0.5694	No
280	<a href="#">DCTN1</a>	7786	0.173	0.5681	No
281	<a href="#">TRIB3</a>	7796	0.172	0.5681	No
282	<a href="#">YWHAB</a>	7859	0.168	0.5657	No
283	<a href="#">LRRC41</a>	7887	0.167	0.5649	No
284	<a href="#">PRKACA</a>	7899	0.166	0.5649	No
285	<a href="#">CTSD</a>	7969	0.162	0.5621	No
286	<a href="#">ASB15</a>	7988	0.161	0.5617	No
287	<a href="#">KIF5A</a>	8001	0.159	0.5616	No
288	<a href="#">UBE3B</a>	8002	0.159	0.5621	No
289	<a href="#">CALM3</a>	8039	0.157	0.5608	No
290	<a href="#">OSBPL1A</a>	8040	0.157	0.5613	No
291	<a href="#">PSMC4</a>	8062	0.156	0.5607	No
292	<a href="#">UBE2U</a>	8070	0.155	0.5609	No
293	<a href="#">CD207</a>	8087	0.154	0.5605	No
294	<a href="#">ANAPC7</a>	8125	0.152	0.5593	No
295	<a href="#">PSMD7</a>	8231	0.144	0.5548	No
296	<a href="#">PSMD2</a>	8293	0.141	0.5523	No
297	<a href="#">WSB1</a>	8380	0.136	0.5487	No
298	<a href="#">RNF123</a>	8442	0.131	0.5462	No
299	<a href="#">SEC61A2</a>	8452	0.131	0.5462	No
300	<a href="#">PSMB3</a>	8539	0.126	0.5425	No
301	<a href="#">UBE2N</a>	8638	0.12	0.5383	No
302	<a href="#">PSMD12</a>	8680	0.118	0.5367	No
303	<a href="#">BLMH</a>	8722	0.115	0.5351	No
304	<a href="#">PSMD1</a>	8756	0.113	0.5339	No
305	<a href="#">RBX1</a>	8807	0.109	0.5319	No
306	<a href="#">TRIM32</a>	8922	0.101	0.5269	No
307	<a href="#">KIF2C</a>	8960	0.099	0.5254	No
308	<a href="#">FBXW8</a>	9166	0.09	0.5161	No
309	<a href="#">ARF1</a>	9192	0.088	0.5152	No
310	<a href="#">CUL1</a>	9311	0.082	0.5099	No
311	<a href="#">CANX</a>	9348	0.081	0.5085	No
312	<a href="#">STUB1</a>	9386	0.078	0.507	No
313	<a href="#">CUL5</a>	9413	0.077	0.506	No
314	<a href="#">UBE2M</a>	9537	0.07	0.5005	No
315	<a href="#">UBE2B</a>	9594	0.067	0.498	No
316	<a href="#">ACTR1B</a>	9632	0.065	0.4965	No
317	<a href="#">KLC3</a>	9695	0.062	0.4938	No
318	<a href="#">CXADR</a>	9751	0.06	0.4914	No
319	<a href="#">PSMD5</a>	9768	0.059	0.4908	No

320	<a href="#">UBE2L6</a>	9878	0.053	0.4859	No
321	<a href="#">CD79B</a>	10073	0.045	0.477	No
322	<a href="#">RAP1GAP</a>	10093	0.044	0.4762	No
323	<a href="#">KIF18A</a>	10135	0.043	0.4744	No
324	<a href="#">SEC24D</a>	10336	0.034	0.4652	No
325	<a href="#">SPSB1</a>	10478	0.029	0.4587	No
326	<a href="#">PSMD10</a>	10575	0.024	0.4543	No
327	<a href="#">PSMC5</a>	10680	0.02	0.4495	No
328	<a href="#">PSMC2</a>	10793	0.016	0.4443	No
329	<a href="#">BAD</a>	10865	0.012	0.4411	No
330	<a href="#">YES1</a>	10949	0.008	0.4372	No
331	<a href="#">PSMB6</a>	10969	0.007	0.4364	No
332	<a href="#">PSMA5</a>	11013	0.006	0.4344	No
333	<a href="#">PSMC3</a>	11072	0.004	0.4317	No
334	<a href="#">PSMD6</a>	11144	0.001	0.4284	No
335	<a href="#">KIF3C</a>	11254	-0.003	0.4233	No
336	<a href="#">PRKG1</a>	11271	-0.004	0.4226	No
337	<a href="#">SH3GL2</a>	11359	-0.007	0.4185	No
338	<a href="#">SEC23A</a>	11424	-0.009	0.4156	No
339	<a href="#">PSMB1</a>	11492	-0.012	0.4125	No
340	<a href="#">ASB16</a>	11704	-0.02	0.4027	No
341	<a href="#">PSMD8</a>	12102	-0.035	0.3843	No
342	<a href="#">RACGAP1</a>	12143	-0.036	0.3825	No
343	<a href="#">ASB12</a>	12272	-0.041	0.3767	No
344	<a href="#">PPP2R5D</a>	12331	-0.043	0.3741	No
345	<a href="#">TCEB1</a>	12379	-0.045	0.3721	No
346	<a href="#">PSMC6</a>	12477	-0.049	0.3677	No
347	<a href="#">CALR</a>	12579	-0.053	0.3631	No
348	<a href="#">DCTN3</a>	12687	-0.057	0.3583	No
349	<a href="#">ANAPC11</a>	12762	-0.059	0.355	No
350	<a href="#">KLHL9</a>	12923	-0.065	0.3477	No
351	<a href="#">PPP2R5B</a>	13142	-0.072	0.3378	No
352	<a href="#">PVRL2</a>	13144	-0.072	0.3379	No
353	<a href="#">SKP2</a>	13206	-0.075	0.3353	No
354	<a href="#">KLC4</a>	13222	-0.075	0.3348	No
355	<a href="#">KIF4A</a>	13237	-0.076	0.3344	No
356	<a href="#">FBXO2</a>	13349	-0.08	0.3294	No
357	<a href="#">TRIM9</a>	13416	-0.082	0.3266	No
358	<a href="#">PSMB5</a>	13480	-0.084	0.3239	No
359	<a href="#">PSMD13</a>	13506	-0.085	0.323	No
360	<a href="#">AKT1S1</a>	13835	-0.097	0.308	No
361	<a href="#">CD79A</a>	13845	-0.097	0.3078	No
362	<a href="#">PSMB7</a>	14140	-0.108	0.2944	No
363	<a href="#">ANAPC10</a>	14187	-0.11	0.2926	No
364	<a href="#">SEC61B</a>	14229	-0.112	0.291	No
365	<a href="#">PSMB4</a>	14258	-0.113	0.29	No

366	<a href="#">WWP1</a>	14269	-0.113	0.2899	No
367	<a href="#">CDKN1B</a>	14352	-0.116	0.2864	No
368	<a href="#">AP2A1</a>	14440	-0.12	0.2826	No
369	<a href="#">DYNCTH1</a>	14608	-0.126	0.2752	No
370	<a href="#">KIFAP3</a>	14690	-0.129	0.2718	No
371	<a href="#">PSMA7</a>	15014	-0.141	0.2572	No
372	<a href="#">MRC2</a>	15036	-0.142	0.2566	No
373	<a href="#">PIK3R2</a>	15047	-0.142	0.2565	No
374	<a href="#">AP1S1</a>	15060	-0.143	0.2564	No
375	<a href="#">CD40LG</a>	15122	-0.146	0.2539	No
376	<a href="#">TRIM37</a>	15181	-0.148	0.2516	No
377	<a href="#">THEM4</a>	15273	-0.151	0.2478	No
378	<a href="#">FBXO4</a>	15439	-0.158	0.2406	No
379	<a href="#">CD34</a>	15549	-0.163	0.236	No
380	<a href="#">RAPGEF3</a>	15669	-0.167	0.2309	No
381	<a href="#">DYNLL1</a>	15992	-0.182	0.2164	No
382	<a href="#">KLC2</a>	16016	-0.184	0.2159	No
383	<a href="#">NEDD4</a>	16184	-0.192	0.2086	No
384	<a href="#">DCTN2</a>	16220	-0.194	0.2075	No
385	<a href="#">RAPGEF4</a>	16288	-0.197	0.205	No
386	<a href="#">DNM1</a>	16337	-0.199	0.2033	No
387	<a href="#">FBXO27</a>	16416	-0.203	0.2002	No
388	<a href="#">UBE2V2</a>	16532	-0.209	0.1955	No
389	<a href="#">UBE2S</a>	16616	-0.212	0.1922	No
390	<a href="#">PSMA3</a>	16972	-0.23	0.1763	No
391	<a href="#">UBE2R2</a>	17097	-0.237	0.1712	No
392	<a href="#">PARK2</a>	17123	-0.238	0.1707	No
393	<a href="#">ASB9</a>	17291	-0.247	0.1636	No
394	<a href="#">ANAPC5</a>	17427	-0.255	0.158	No
395	<a href="#">PSMC1</a>	17545	-0.264	0.1533	No
396	<a href="#">CTSF</a>	17628	-0.269	0.1503	No
397	<a href="#">KIF2B</a>	17640	-0.27	0.1505	No
398	<a href="#">UBE2C</a>	17707	-0.275	0.1482	No
399	<a href="#">CDC20</a>	17891	-0.287	0.1405	No
400	<a href="#">ASB17</a>	17917	-0.29	0.1402	No
401	<a href="#">SAR1B</a>	17928	-0.29	0.1405	No
402	<a href="#">ICAM4</a>	17957	-0.292	0.14	No
403	<a href="#">UBE2E3</a>	18011	-0.295	0.1384	No
404	<a href="#">FBXO17</a>	18215	-0.312	0.1298	No
405	<a href="#">DYNLL2</a>	18249	-0.315	0.1292	No
406	<a href="#">ASB5</a>	18372	-0.324	0.1244	No
407	<a href="#">TCEB2</a>	18414	-0.328	0.1234	No
408	<a href="#">MKRN1</a>	18459	-0.33	0.1223	No
409	<a href="#">CDC34</a>	18489	-0.333	0.1219	No
410	<a href="#">LRSAM1</a>	18532	-0.336	0.1209	No
411	<a href="#">CD19</a>	18691	-0.35	0.1145	No

412	<a href="#">CD81</a>	18708	-0.352	0.1147	No
413	<a href="#">RNF182</a>	18737	-0.355	0.1144	No
414	<a href="#">SEC61G</a>	19029	-0.391	0.102	No
415	<a href="#">CDC16</a>	19239	-0.417	0.0934	No
416	<a href="#">PIK3R3</a>	19544	-0.457	0.0805	No
417	<a href="#">SRC</a>	19770	-0.486	0.0714	No
418	<a href="#">SPSB4</a>	19817	-0.495	0.0707	No
419	<a href="#">HRAS</a>	19856	-0.501	0.0703	No
420	<a href="#">DYNCL1I1</a>	20057	-0.536	0.0625	No
421	<a href="#">TRIM63</a>	20347	-0.598	0.0507	No
422	<a href="#">ANAPC13</a>	20424	-0.612	0.0489	No
423	<a href="#">CUL7</a>	20476	-0.625	0.0483	No
424	<a href="#">ASB4</a>	20618	-0.659	0.0436	No
425	<a href="#">FBXO44</a>	20729	-0.689	0.0404	No
426	<a href="#">KIF15</a>	20791	-0.704	0.0396	No
427	<a href="#">DYNCL1I1</a>	21307	-0.92	0.0182	No
428	<a href="#">KLHL13</a>	21366	-0.959	0.0182	No
429	<a href="#">RASGRP3</a>	21403	-0.991	0.0193	No
430	<a href="#">UBE2O</a>	21606	-1.19	0.0132	No