Supplemental Methods

Viruses and reagents. HSV-1 strain McKrae and HSV-2 MS were propagated and titrated in Vero cells (American Type Culture Collection). Glutamine (l-glutamine) and glycine were obtained from Ajinomoto North America, Inc. (Raleigh, NC). Human IgG (Gammagard, Baxter, Deerfield, IL) was given after infection to improve animal survivival as reported previously (1). Cornea were irradiated in anesthetized mice using UV light as described previously (2,3).

Animal studies. Six-week-old Balb/c mice (Harlan Sprague-Dawley) were inoculated with HSV-1 onto both scarified cornea at 4 $x10^5$ pfu/mouse. Human IgG (0.5 ml, 1:8 dilution in PBS, Gammagard, Baxter, Deerfield, IL) was injected intraperitoneally into each mouse shortly after infection, so most animals would survive acute infection. Fourteen days after infection, mice were divided into 2 or 3 groups. Each group was given water, glutamine (3g/dL), or glycine (3 g/dl) in the drinking water. Female Balb/c IFN-γ knock-out mice were ordered from National Institute of Allergy and Infectious Diseases (NIAID) Mouse Repository (BALB/c-[KO]IFN gamma, line 208) and their wild-type controls BALB/c were obtained from Taconic. C57BL/6 IFN-gamma knockout mice were backcrossed 7 times with Balb/c mice to obtain a Balb/c background. Four weeks after corneal infection with HSV-1 (2 weeks on glutamine or glycine) mice were anesthetized and irradiated with UV light. Forty-eight hours later, mice were sacrificed and trigeminal ganglia were harvested. Each ganglion was homogenized, and placed onto Vero cell monolayers. The presence of infectious virus in each trigeminal ganglia homogenate (indicative of in vivo reactivation) was determined by daily monitoring of cell monolayers for CPE and confirmed by transferring culture

supernatants onto new Vero cell monolayers on day 3, 4 and 5 in culture. Half of the culture medium was replaced by fresh medium on day 3.

Five-week-old female Hartley guinea pigs from Charles River were inoculated intravaginally with 2×10^5 PFU of HSV-2(MS). Guinea pigs were monitored and scored daily during acute infection (14 days) for lesion severity (on a scale from 0 to 4; 0 = no disease, 1 = redness/swelling, 2 = 1 to 2 lesions, 3 = 3 to 5 lesions, and 4 = 6 or more lesions or the coalescence of lesions). On day 15 animals were randomized based on acute disease scores and treatment with l-glutamine (3 gm/dL in drinking water) or no supplement was initiated. Animals were monitored daily for recurrent herpetic lesions for 15-77 days after infection. At the end of the study, all animals received water without supplemental glutamine (washout period) and recurrences were recorded for 14 additional days. In the first experiment animals were scored on days 78-91 post infection, and in the second experiment they were scored on days 104-119.

Quantification of HSV-2 DNA in guinea pig vaginal swab samples. Vaginal swabs were taken on days 93, 95, 97, 101 post-infection while the animals were randomized to glutamine or no supplemental treatment, and stored in PBS at -80°C. DNA was extracted from samples using QIAgen DNeasy Blood and Tissue Kit. To monitor potential HSV-2 DNA contamination during sample processing, a PBS control sample was inserted after every 10 swab samples to be processed. Plasmid DNA harboring the human VR1 gene was spiked in each sample to monitor DNA recovery and 4 ug carrier RNA added to each sample for more reproducible DNA recovery. The remainder of the procedure followed the instruction from the manufacturer. DNA was eluted with 120 ul of AE buffer. PCR inhibitory activity in

DNA samples was tested and then 5 ul of sample DNA was used in a 50 ul PCR reaction: 1xTaqMan Universal PCR Master Mix (ThermoFisher), 1 uM each of HSV-2 glycoprotein G gG2F2 (5' GCTCCCGCTAAGGACATGC 3') and gG2R2 (5' GAT GATAAAGAGGATATCTAGAGCAGGG 3') primers, 200nM gG2P2 probe (5'FAM-TCCCCCTGTTCTGGTTCCTAACGGC-TAMRA3'), and 0.5% BSA (Sigma). A series of 10-fold dilutions of gG2 plasmid DNA (ranging from 5 to 50,000 copies per reaction) was included on each PCR reaction plate. PCR was performed with a 7500 Real Time PCR System (ABI) with the following thermal cycles: 50°C x 2 minutes, 95°C x 10minutes, 40 cycles of 95°C x 20 seconds and 60°C x 1 minute.

Quantification of HSV-1 specific CD8 T cells and quantitative real-time PCR for HSV-1. Four weeks after infection (2 weeks on glutamine or glycine) mice were euthanized and both trigeminal ganglia were pooled and dispersed into single cell suspensions using collagenase type I (3 mg/ml for 1.5h, Sigma, St. Louis, MO). Half of trigeminal ganglia suspensions (equivalent to one trigeminal ganglion) were used for quantifying numbers of HSV-1-specific IFN-γ expressing CD8 T cells as previously described (4). Antibodies used were CD8-FITC, clone 53-6.7, cat 553031; IFN-γ-PE, clone XMG1.2, cat 562020; CD45-PerCp, clone 30-F11, cat 557235 (BD Biosciences).

The other half of the cell suspension was centrifuged and frozen at -20°C. The DNA was extracted from the pellet and latent HSV-1 DNA was quantified by real-time PCR using a Taqman 7500 Real-Time PCR System (Applied Biosystems, Foster City, CA) with primers and probes specific for HSV-1 glycoprotein G sequences (5).

Microarray experiment. Mice were infected with HSV-1 and treated with glycine or glutamine as described above. Mice were euthanized and both trigeminal ganglia from

each mouse were pooled, snap frozen on dry ice, and stored at -80°C. RNA was extracted from pooled trigeminal ganglia using a mirVana RNA isolation kit (Ambion, Applied Biosystems, Foster City, CA). In the first experiment RNA was used to make amino-allyl cDNA for hybridization to a mouse whole-genome SurePrint spotted 60-mer oligonucleotide array (Agilent, NCBI GEO accession GPL9354). In the second and third experiments, a mouse whole-genome BeadChip (Illumina, NCBI GEO accession GPL6887) was used. Microarray image analysis, normalization, and mixed-effects ANOVA was performed separately for each experiment. The results from all three experiments were then cross-compared by matching NCBI RefSeq identifiers associated with the probes in each design (Agilent and Illlumina). For inter-experiment correspondence analysis and Venn diagrams at the gene level, a scale free version (z-score) of the log ratio was created for each gene by subtracting the mean log ratio (over all genes) and dividing by the standard deviation of log ratios (over all genes). Gene annotation term enrichment was calculated using PAGE analysis (6) of Gene Ontology Biological Process terms downloaded from NCBI. The microarray data have been deposited in NCBI's Gene Expression Omnibus (7) and are accessible through GEO Series accession number GSE95716 https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE95716.

Quantitative RT-PCR for cellular genes. A TaqMan® RNA-to-CT™ *1-Step* Kit and TaqMan® Gene Expression Assays primers and probes mix specific for mouse Ifi47 (assay ID Mm04207505_m1), CXCL9 (assay ID Mm00434946_m1), Igtp (assay ID Mm01347792_m1), and CD274 (assay ID Mm03048248_m1) genes were purchased from ThermoFisher. Five ng of mouse trigeminal ganglionic RNA was mixed

with reagent to a total of 25 ul in a reaction consisting of 1x of TaqMan® RT- PCR mix, 1 x of primers and probe mix for one gene of interest, 1x primers and probe mix for the TimP3 gene as an internal control, 0.63 ul TaqMan® RT Enzyme Mix (in RT negative control reactons TaqMan® RT Enzyme Mix was replaced by RNase free water). Reverse transcription and DNA PCR was done in one tube with the 7500 Real Time PCR System (ABI) with the following thermal cycles: 48°C x 15 minutes, 95°C x 10 minutes, and 40 cycles of 95°C x 15 seconds and 60°C x 1 minute. Serial diluted plasmid DNA panels were included in each PCR plate to determine copy numbers. The copy number of each gene was nornalized to the copy number of TimP3 in the same well. Eight RNA samples (each sample was a pool of RNA from trigeminal ganglia of two mice) of glutamine treated animals and 7 RNA samples of glycine treated animals were assayed.

References

1. Dalai SK, Pesnicak L, Miller GF, Straus SE. Prophylactic and therapeutic effects of human immunoglobulin on the pathobiology of HSV-1 infection, latency, and reactivation in mice. *J Neurovirol.* 2002;8:35-44.

2. LeBlanc RA, Pesnicak L, Godleski M, Straus SE. The comparative effects of famciclovir and valacyclovir on herpes simplex virus type 1 infection, latency, and reactivation in mice. *J Infect Dis.* 1999;180:594-9.

3. LeBlanc RA, Pesnicak L, Cabral ES, Godleski M, Straus SE. Lack of interleukin-6 (IL-6) enhances susceptibility to infection but does not alter latency or reactivation of herpes simplex virus type 1 in IL-6 knockout mice. *J Virol.* 1999;73:8145-51.

4. Hoshino Y, Pesnicak L, Cohen JI, Straus SE. Rates of reactivation of latent herpes simplex virus from mouse trigeminal ganglia ex vivo correlate directly with viral load and inversely with number of infiltrating CD8+ T cells. *J Virol.* 2007;1:8157-64.

5. Pevenstein SR, Williams RK, McChesney D, Mont EK, Smialek JE, Straus SE. Quantitation of latent varicella-zoster virus and herpes simplex virus genomes in human trigeminal ganglia. *J Virol. 1999;*73:10514-8.

6. Kim SY, Volsky DJ. PAGE: Parametric Analysis of Gene Set Enrichment. *BMC Bioinformatics*. 2005;6:144.

7. Edgar R, Domrachev M, Lash AE. Gene Expression Omnibus: NCBI gene expression and hybridization array data repository. *Nucleic Acids Res 1.* Jan 2002;30:207-10.

Supplemental Figure Legends

Figure S1. HSV DNA copy number of vaginal swabs from guinea pigs treated with glutamine or no supplement. Guinea pig vaginal swabs were taken at various days after infection while animals were randomized to glutamine or no supplement in their drinking water, DNA was extracted, and the amount of HSV-2 DNA was determined by quantitative PCR for HSV-2 gG (gG2). Numbers on the x axis indicate animal identification number.

Figure S2. Latent HSV-1 viral load and number of infiltrating CD8 T cells in ganglia of mice receiving glutamine, glycine, or no supplement in their drinking water. Mice were

treated as described in Figure 1 and trigeminal ganglia (TG) were removed. DNA was isolated, and latent HSV-2 DNA was quantified by real-time PCR (A). Ganglia were treated with collagenase to obtain single cell suspensions, and CD8 T cells were quantified by flow cytometry (B). The experiments had 5 mice in the uninfected group, 8 in the glycine group, and 10 each in the glutamine and no supplement groups.

Figure S3. Microarray analysis of gene expression in ganglia of HSV-1 infected mice treated with glutamine (gln) versus glycine (gly). Venn diagrams showing results of three separate mouse experiments for upregulated (A) and downregulated (B) genes. Numbers inside circles indicate number of genes upregulated or downregulated, numbers outside circles indicate total number of remaining genes studied. (C) Expression ratios (log_2 scale for gln/gly) for the five genes that were upregulated in animals treated with gln versus gly in all three experiments are shown. To determine the rate of agreement of gene "hits" among different experiments, expression ratios were calculated for each independent experiment, then to control for differences in dynamic range observed between studies, the log ratio values were converted to a scale-free z-score to compare studies. At the most stringent cutoff, $z > 4.0$, 5 genes were identified as upregulated in all three studies. The first experiment was performed using 10 trigeminal ganglia for glutamine and 10 for glycine treated mice, and RNA was pooled to generate 5 samples of each condition for microarrays. The second experiment used 16 trigeminal ganglia for glutamine and 14 for glycine treated mice, with 8 and 7 RNA samples for microarrays, respectively. The third experiment used 32 trigeminal ganglia for glutamine and 32 for glycine treated mice, with 8 pooled RNA samples for each microaray. Both trigeminal

ganglia were used from each mouse. (C) The eight Gene Ontology; Biological Process terms significantly associated with genes upregulated in animals treated with glutamine versus glycine in all three experiments are shown.

Figure S4. Microarray expression ratios for genes that make up GO category "T cell chemotaxis." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S5. Microarray expression ratios for genes that make up GO category "protection from natural killer cell mediated cytotoxicity." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S6. Microarray expression ratios for genes that make up GO category "defense response to protozoan." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S7. Microarray expression ratios for genes that make up GO category "defense response to gram-positive bacterium." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S8. Microarray expression ratios for genes that make up GO category "cellular response to lipopolysaccharide." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S9. Microarray expression ratios for genes that make up GO category "cellular response to interferon-gamma." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S10. Microarray expression ratios for genes that make up GO category "cellular response to interferon-beta." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Figure S11. Microarray expression ratios for genes that make up GO category "adhesion of symbiont to host." The original values, before standardization for meta-analysis, are plotted on $\log_2$ scale.

Fig. S1

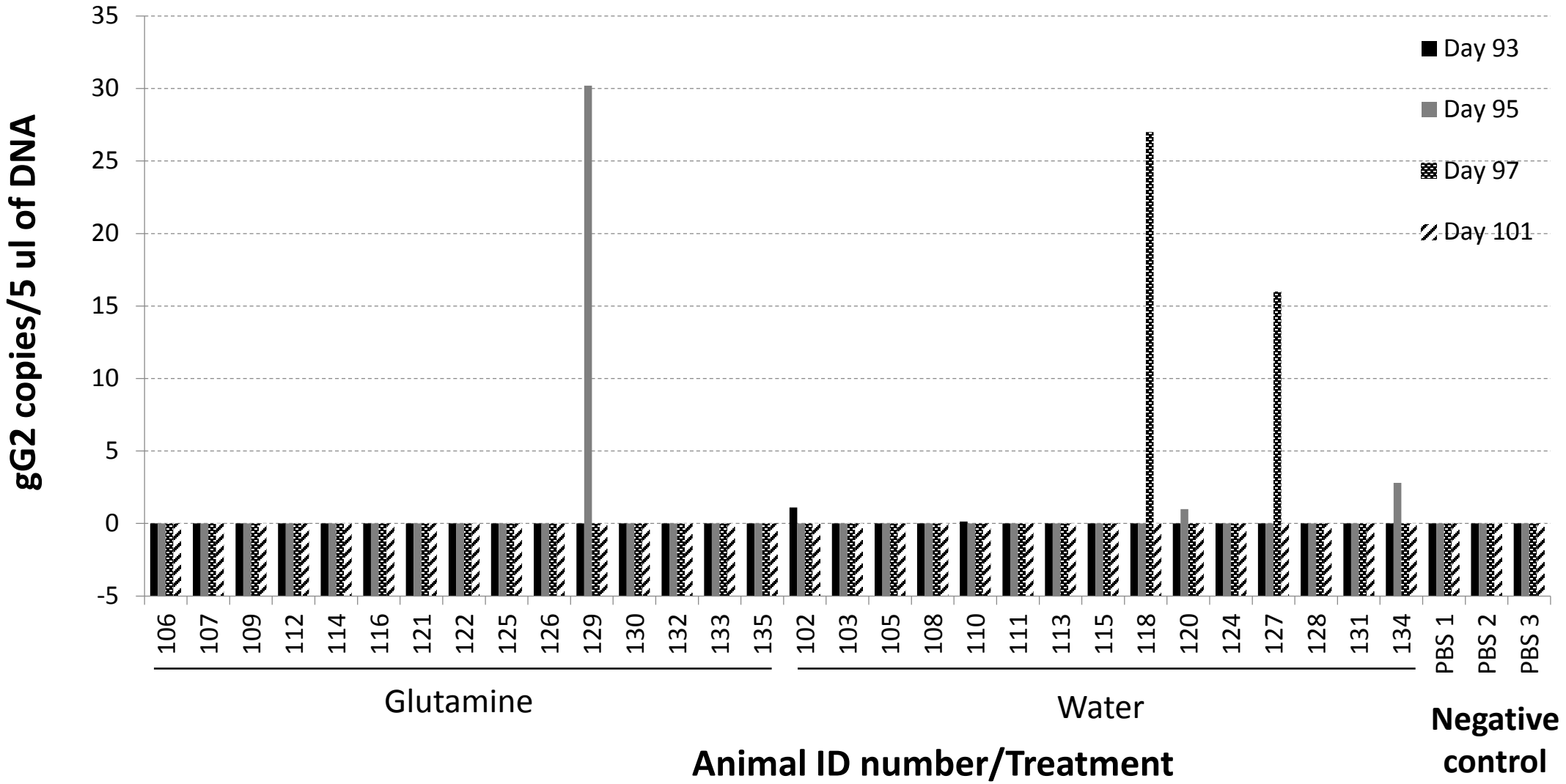
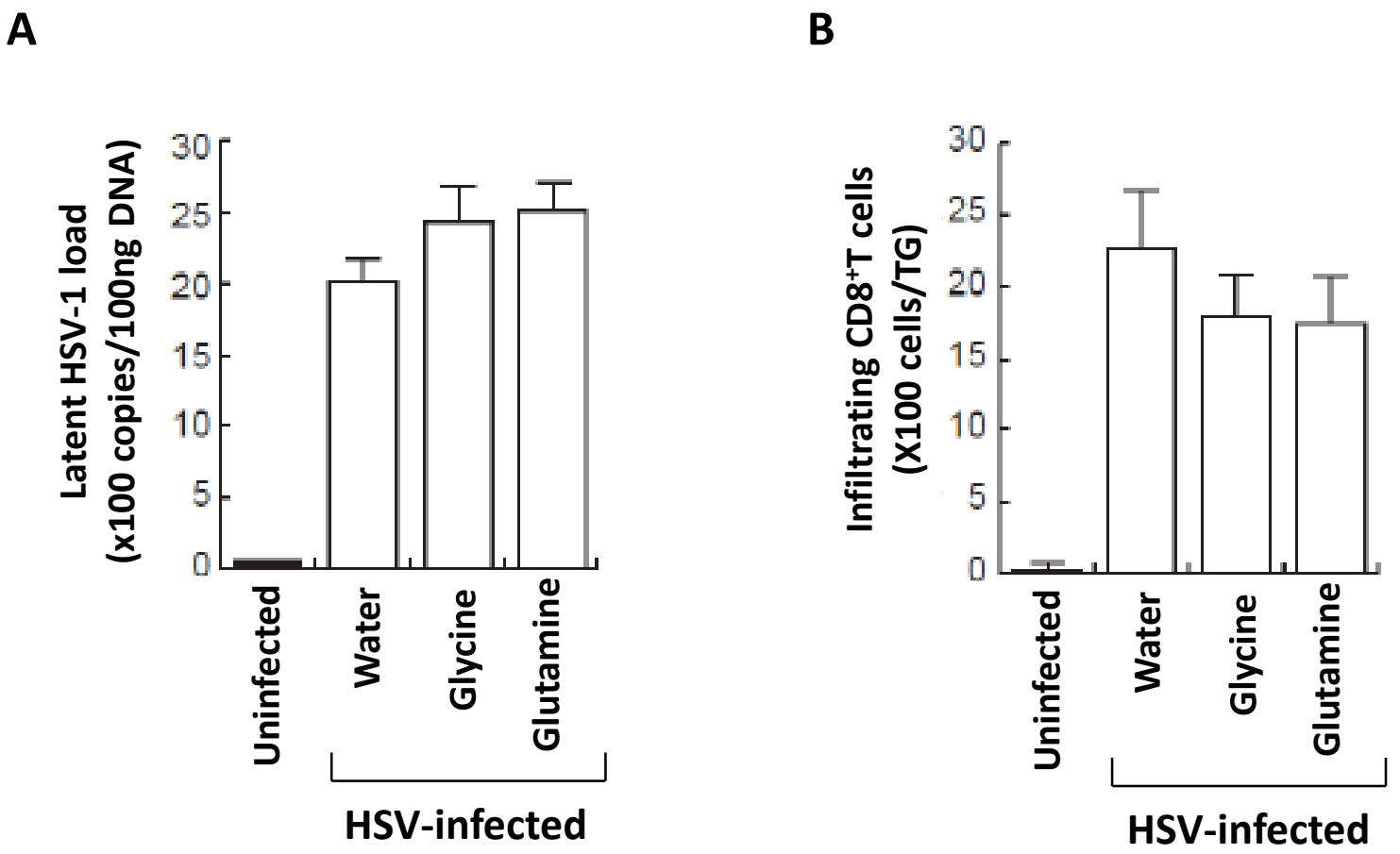

gG2 copies/5 ul of DNA
35
30
25
20
15
10
5
0
-5
Day 93
Day 95
Day 97
Day 101
106
107
109
112
114
116
121
122
125
126
129
130
132
133
135
102
103
105
108
110
111
113
115
118
120
124
127
128
131
134
PBS 1
PBS 2
PBS 3
Glutamine
Water
Negative control
Animal ID number/Treatment

Fig. S2

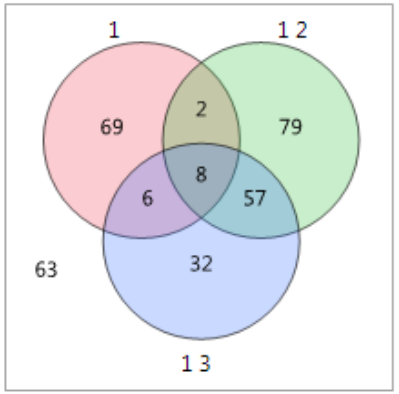

A
Latent HSV-1 load
(x100 copies/100ng DNA)
30
25
20
15
10
5
0
Uninfected
Water
Glycine
Glutamine
HSV-infected
B
Infiltrating CD8+T cells
(X100 cells/TG)
30
25
20
15
10
5
0
Uninfected
Water
Glycine
Glutamine
HSV-infected

Gene Set Enrichment

Fig S3

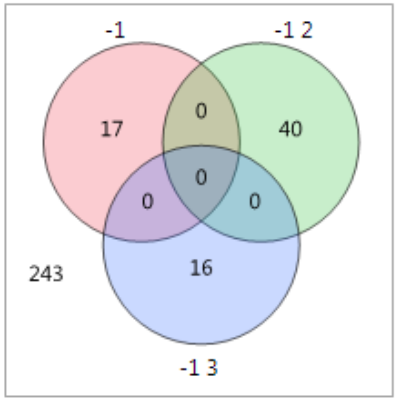
A

Study-concordance for Upregulated genes sets



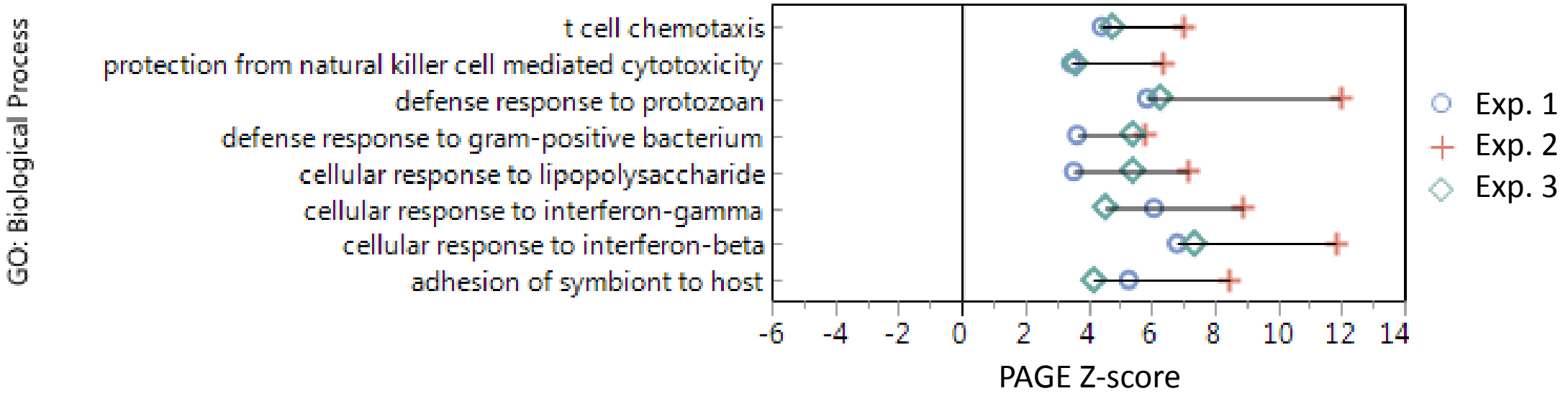
B

Study-concordance for Downregulated genes sets



C

Concordant genes sets



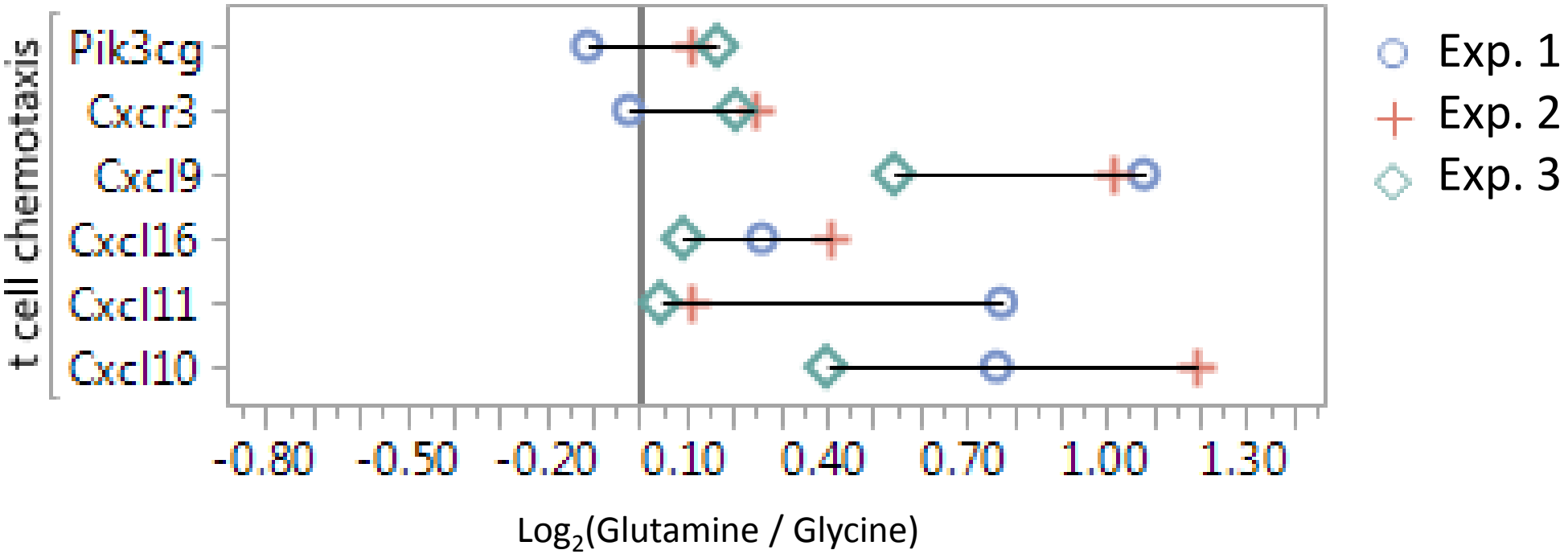

t cell chemotaxis
Pik3cg
Cxcr3
Cxcl9
Cxcl16
Cxcl11
Cxcl10
-0.80
-0.50
-0.20
0.10
0.40
0.70
1.00
1.30
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S5

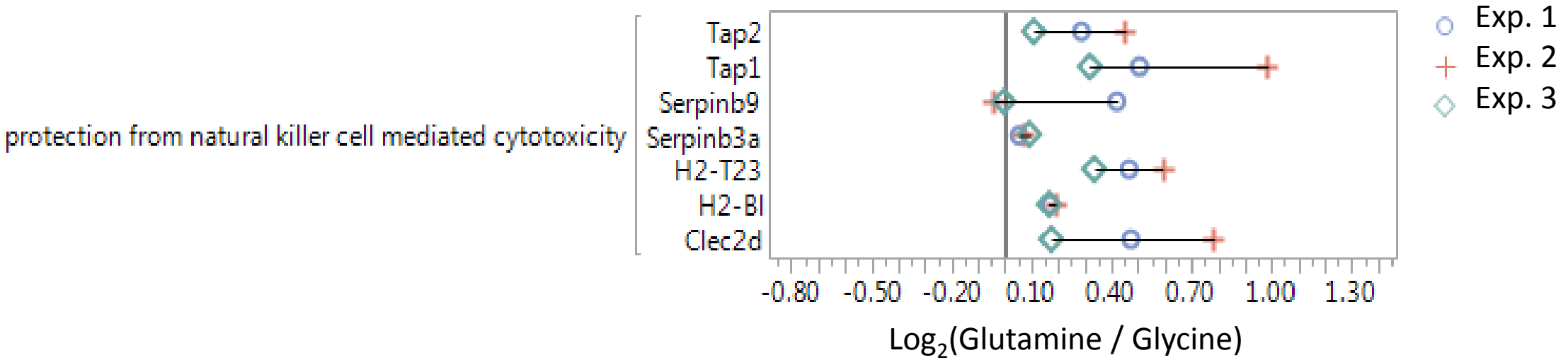

protection from natural killer cell mediated cytotoxicity
Tap2
Tap1
Serpinb9
Serpinb3a
H2-T23
H2-Bl
Clec2d
-0.80
-0.50
-0.20
0.10
0.40
0.70
1.00
1.30
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S6

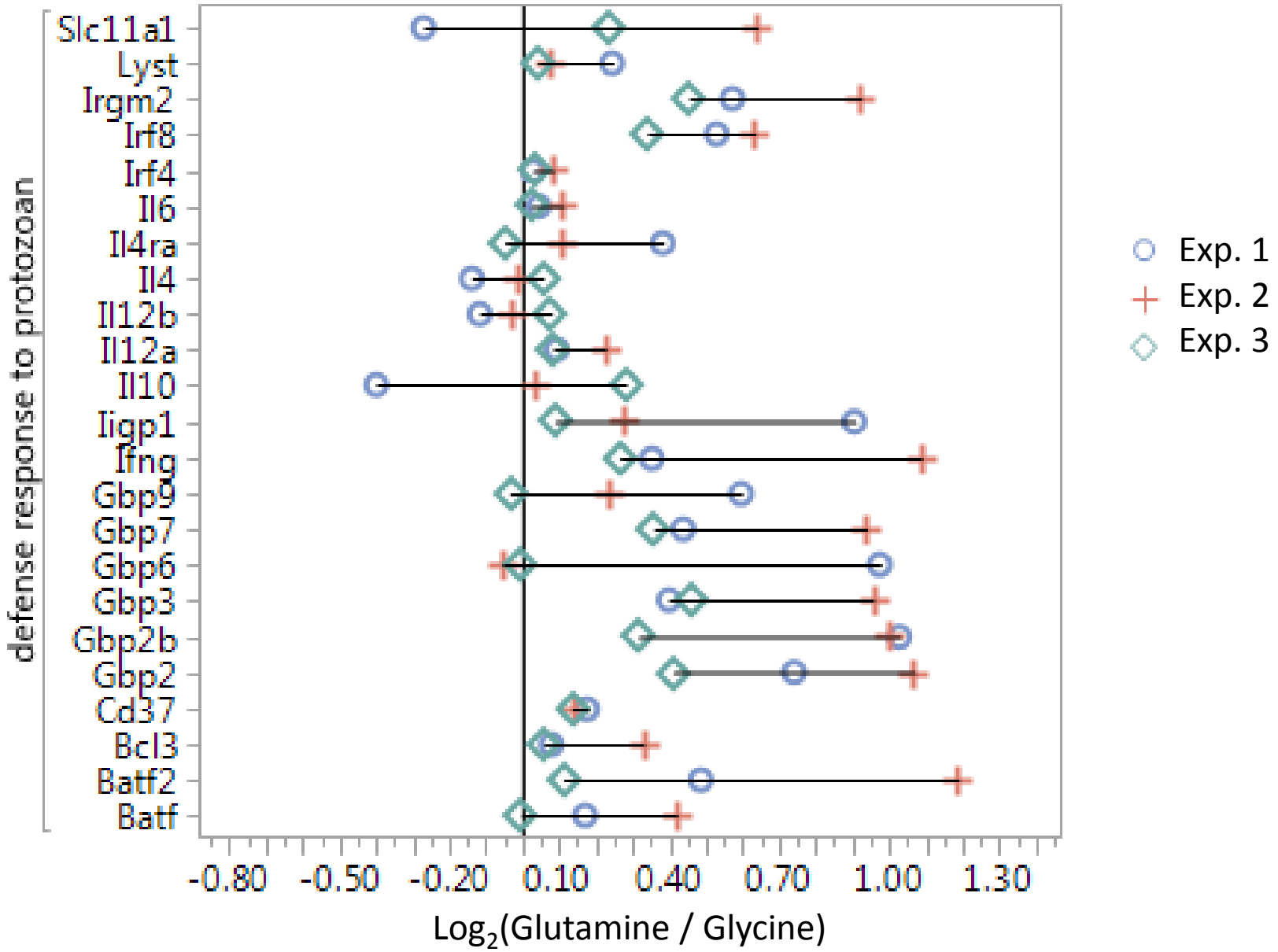

defense response to protozoan
Slc11a1
Lyst
Irgm2
Irf8
Irf4
Il6
Il4ra
Il4
Il12b
Il12a
Il10
Iigp1
Ifng
Gbp9
Gbp7
Gbp6
Gbp3
Gbp2b
Gbp2
Cd37
Bcl3
Batf2
Batf
-0.80
-0.50
-0.20
0.10
0.40
0.70
1.00
1.30
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S7

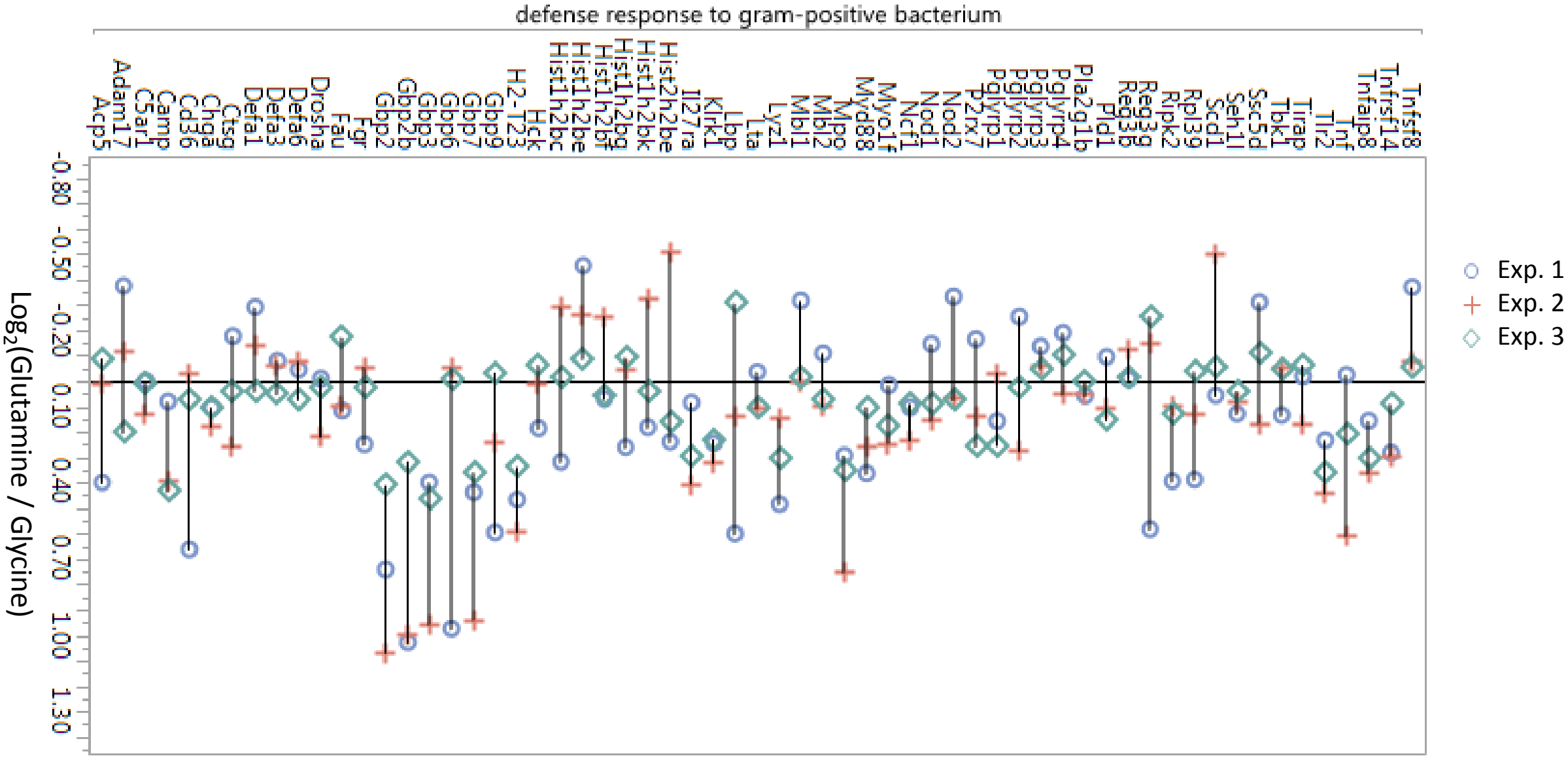

defense response to gram-positive bacterium
Log2(Glutamine / Glycine)
-0.80
-0.50
-0.20
0.10
0.40
0.70
1.00
1.30
Acp5
Adam17
C5ar1
Camp
Cd36
Chga
Ctsg
Defa1
Defa3
Defa6
Drosha
Fau
Fgr
Gbp2
Gbp2b
Gbp3
Gbp6
Gbp7
Gbp9
H2-T23
Hck
Hist1h2bc
Hist1h2be
Hist1h2bf
Hist1h2bg
Hist1h2bk
Hist2h2be
Il27ra
Klrk1
Lbp
Lta
Lyz1
Mbl1
Mbl2
Mpo
Myd88
Myo1f
Ncf1
Nod1
Nod2
P2rx7
Pglyrp1
Pglyrp2
Pglyrp3
Pglyrp4
Pla2g1b
Pld1
Reg3b
Reg3g
Ripk2
Rpl39
Scd1
Sh1l
Ssc5d
Tbk1
Tirap
Tlr2
Tnf
Tnfaip8
Tnfrsf14
Tnfsf8
Exp. 1
Exp. 2
Exp. 3

Fig S8

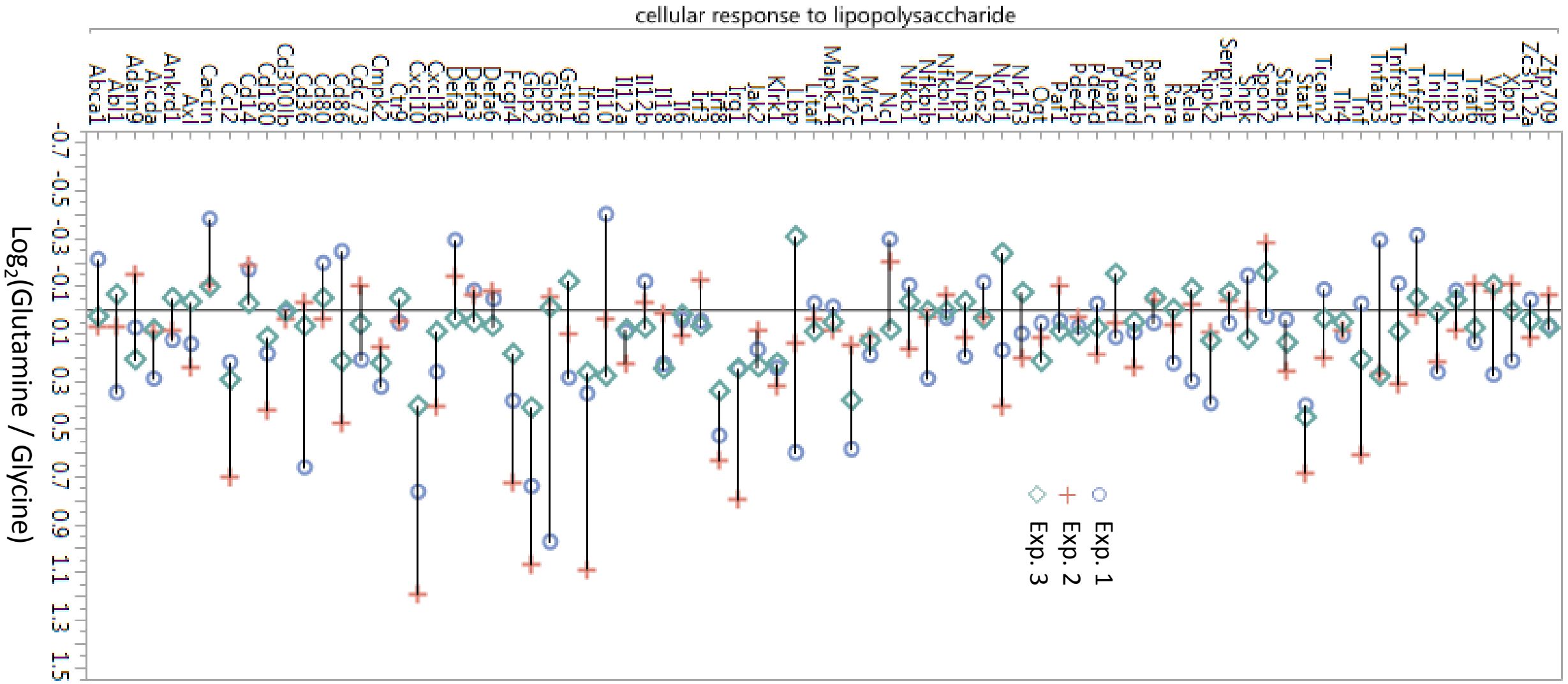

cellular response to lipopolysaccharide
Abca1
Abl1
Adamp9
Aicda
Ankrd1
Axl
Cactin
Ccl2
Cd14
Cd180
Cd300lb
Cd36
Cd80
Cd86
Cdc73
Cmpk2
Ctn9
Cxcl10
Cxcl16
Defa1
Defa3
Defa6
Fcgr4
Gbp2
Gbp6
Gstp1
Ifng
Il10
Il12a
Il12b
Il18
Il6
Irf3
Irf8
Irg1
Jak2
Kirk1
Lbp
Litaf
Mapk14
Mef2c
Mrc1
Ncl
Nfkbib
Nfkbil1
Nlrp3
Nos2
Nr1d1
Nr1f3
Ogt
Paf1
Pde4b
Pde4d
Ppard
Pycard
Raet1c
Rala
Rela
Ripk2
Serpine1
Shpk
Spon2
Stap1
Stat1
Ticam2
Tlr4
Tnf
Tnfaip3
Tnfrsf1b
Tnfst4
Tnip2
Tnip3
Traf6
Vimp
Xbp1
Zc3h12a
Zfp709
-0.7 -0.5 -0.3 -0.1 0.1 0.3 0.5 0.7 0.9 1.1 1.3 1.5
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S9

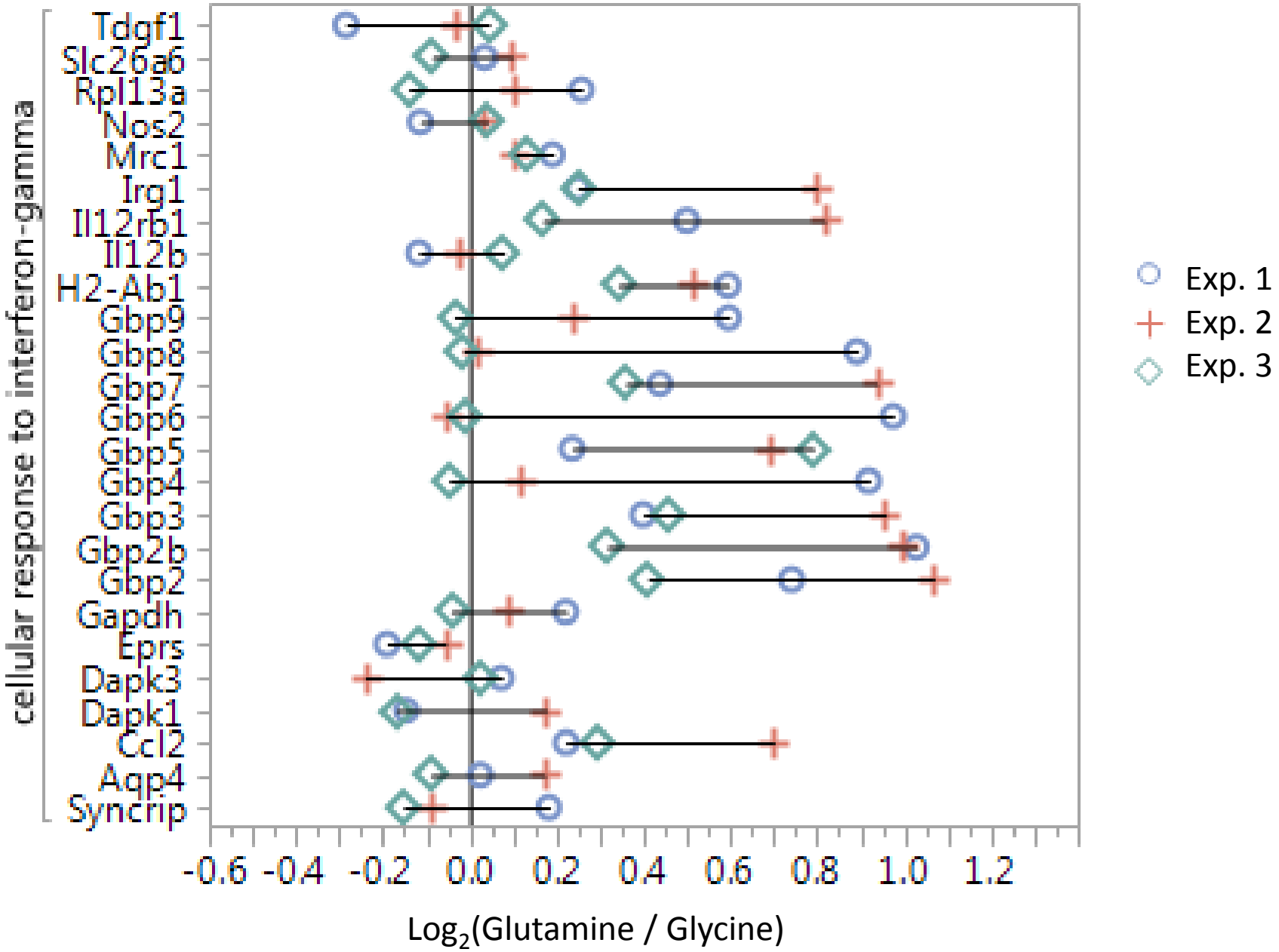

cellular response to interferon-gamma
Tdgf1
Slc26a6
Rpl13a
Nos2
Mrc1
Irg1
Il12rb1
Il12b
H2-Ab1
Gbp9
Gbp8
Gbp7
Gbp6
Gbp5
Gbp4
Gbp3
Gbp2b
Gbp2
Gapdh
Eprs
Dapk3
Dapk1
Ccl2
Aqp4
Syncrip
-0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0 1.2
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S10

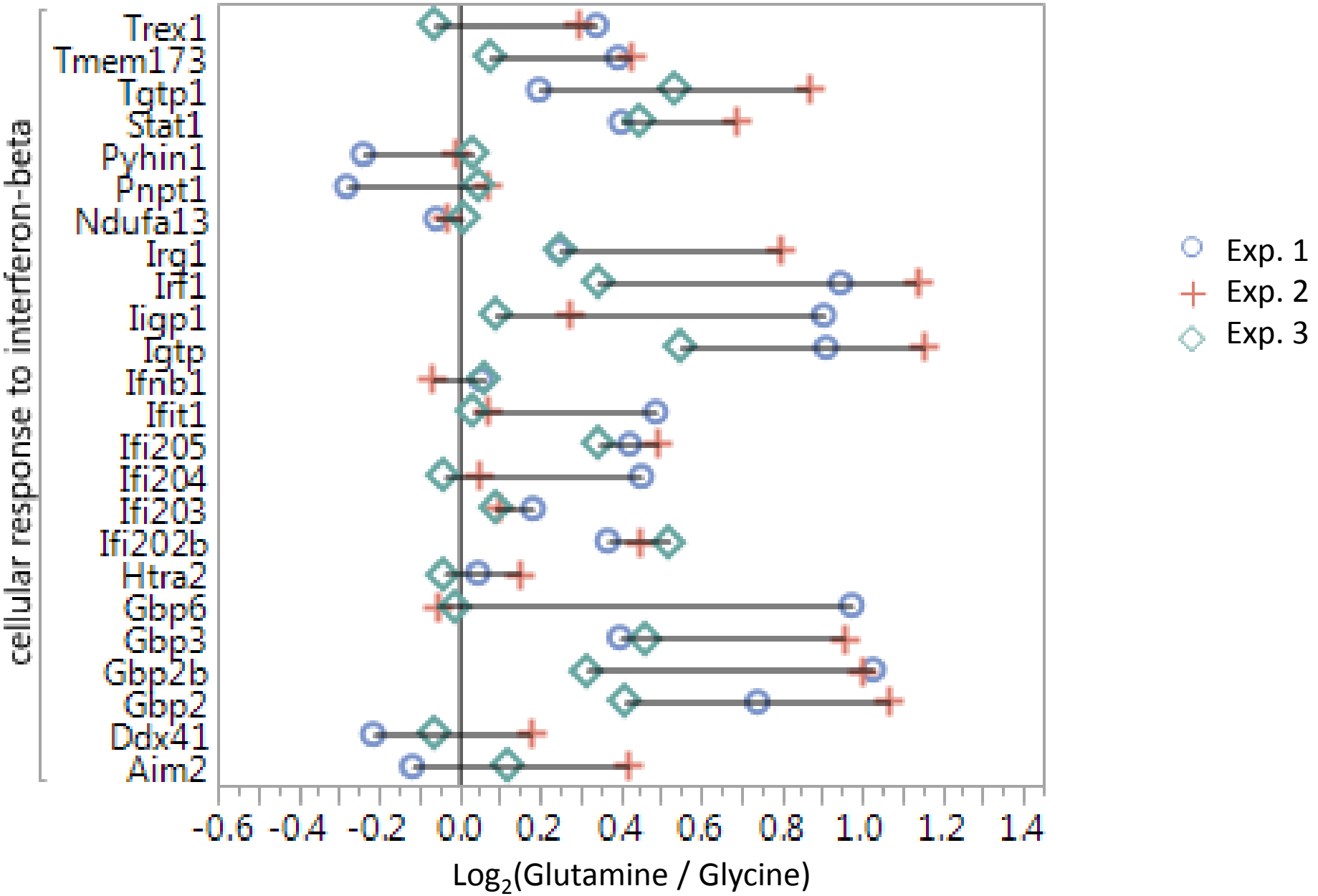

cellular response to interferon-beta
Trex1
Tmem173
Tgtp1
Stat1
Pyhin1
Pnpt1
Ndufa13
Irg1
Irf1
Iigp1
Igtp
Ifnb1
Ifit1
Ifi205
Ifi204
Ifi203
Ifi202b
Htra2
Gbp6
Gbp3
Gbp2b
Gbp2
Ddx41
Aim2
-0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Fig S11

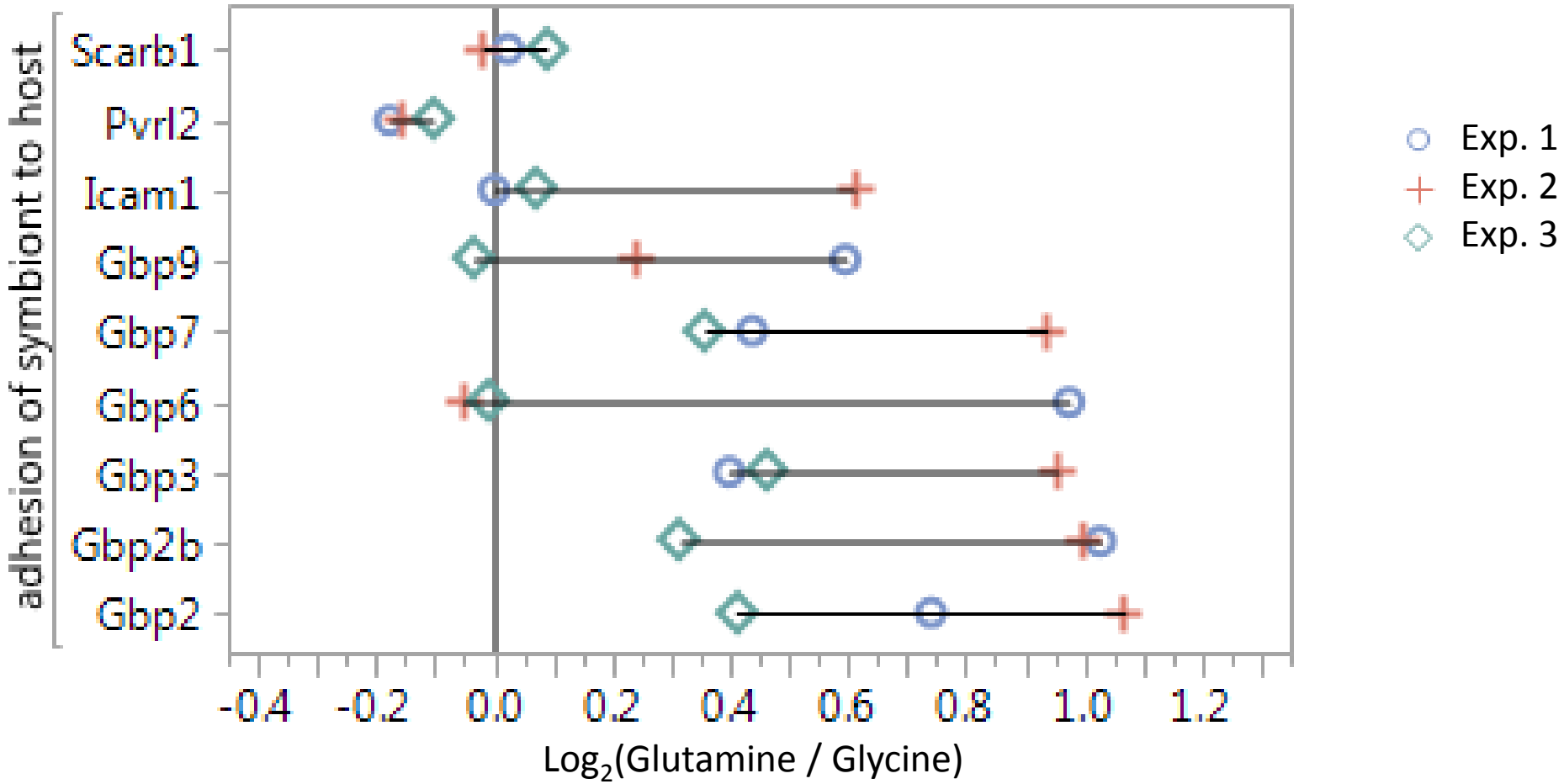

adhesion of symbiont to host
Scarb1
Pvrl2
Icam1
Gbp9
Gbp7
Gbp6
Gbp3
Gbp2b
Gbp2
-0.4
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Log2(Glutamine / Glycine)
Exp. 1
Exp. 2
Exp. 3

Table S1. Gene expression ratios in ganglia of HSV-1 infected mice treated with glutamine (gln) versus glycine (gly) for all three experiments.
Differential expression was measured in three independent experiments as described in Methods, "423" (a.k.a "exp. 1"), "616" (a.k.a. "exp.2"), and "910" (a.k.a. "exp. 3").
To effectively compare differential expression across the three experiments, we had to adjust for observed differences in dynamic range by transforming the log ratios to a scale-free measure.
Z-scores were calculated using the distribution of log ratios for all genes (subtracting the experiment mean, dividing by the experiment standard deviation).
Outlier expression ratios, flagged if greater than 4 standard deviations from the mean (positive or negative), were identified for each experiment
then examined for genes in common or unique to each experiment. See accompanying tables for lists of differential genes in common or unique
to individual experiments.
See tab labeled "Data Dictionary" for description of columns.

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
58520	0610007P14Rik	0.134	0.103	0.088	0	0	0	0	0	0	NM_021446	RIKEN cDNA 0610007P14 gene (0610007P14Rik), mRNA.	Mme-M300002647	ILMN_2773981	0	0
66050	0610009B22Rik	0.169	0.020	0.006	0	0	0	0	0	0	NM_025319	RIKEN cDNA 0610009B22 gene (0610009B22Rik), mRNA.	Mme-M200007792	ILMN_2734484	0	0
66055	0610009D07Rik	0.410	-0.052	-0.102	0	0	0	0	0	0	NM_025323	RIKEN cDNA 0610009D07 gene (0610009D07Rik), mRNA.	Mme-M200006613	ILMN_2952292	0	0
66839	0610009O20Rik	0.055	0.168	-0.040	0	0	0	0	0	0	NM_024179	RIKEN cDNA 0610009O20 gene (0610009O20Rik), mRNA.	Mme-M200016295	ILMN_1213681	0	0
71675	0610010F05Rik	-0.075	-0.151	0.258	0	0	0	0	0	0	NM_027860	RIKEN cDNA 0610010F05 gene (0610010F05Rik), mRNA.	Mme-M200014640	ILMN_2712923	0	0
104457	0610010K14Rik	0.041	-0.029	-0.036	0	0	0	0	0	0	NM_026757	RIKEN cDNA 0610010K14 gene (0610010K14Rik), mRNA.	Mme-M300002418	ILMN_2674228	0	0
68347	0610011F06Rik	0.284	-0.069	-0.161	0	0	0	0	0	0	NM_026686	RIKEN cDNA 0610011F06 gene (0610011F06Rik), mRNA.	Mme-M200007711	ILMN_2438555	0	0
68364	0610030E20Rik	0.328	-0.043	0.005	0	0	0	0	0	0	XM_910556	PREDICTED: RIKEN cDNA 0610030E20 gene, transcript variant 6 (0610030E20Rik), mRNA.	Mme-M400006454	ILMN_1220374	0	0
74098	0610037L13Rik	0.126	0.133	0.079	0	0	0	0	0	0	NM_028754	RIKEN cDNA 0610037L13 gene (0610037L13Rik), mRNA.	Mme-M300006190	ILMN_2622630	0	0
67672	0610040B10Rik	0.128	-0.020	0.012	0	0	0	0	0	0	XM_001479510	PREDICTED: RIKEN cDNA 0610040B10 gene (0610040B10Rik), mRNA.	Mme-M400014368	ILMN_1242334	0	0
76261	0610040J01Rik	-0.232	0.046	0.054	0	0	0	0	0	0	NM_029554	RIKEN cDNA 0610040J01 gene (0610040J01Rik), mRNA.	Mme-M200008012	ILMN_2915716	0	0
66117	1110001J03Rik	0.344	-0.097	-0.097	0	0	0	0	0	0	NM_025363	RIKEN cDNA 1110001J03 gene (1110001J03Rik), mRNA.	Mme-M200004783	ILMN_2958076	0	0
68001	1110004E09Rik	0.087	0.032	0.016	0	0	0	0	0	0	NM_026502	RIKEN cDNA 1110004E09 gene (1110004E09Rik), mRNA.	Mme-M200012049	ILMN_1257567	0	0
56372	1110004F10Rik	0.135	-0.016	0.025	0	0	0	0	0	0	NM_019772	RIKEN cDNA 1110004F10 gene (1110004F10Rik), mRNA.	Mme-M200004837	ILMN_1242099	0	0
68480	1110007C09Rik	-0.296	-0.069	-0.066	0	0	0	0	0	0	NM_026738	RIKEN cDNA 1110007C09 gene (1110007C09Rik), mRNA.	Mme-M200001290	ILMN_2693905	0	0
67388	1110008F13Rik	0.191	-0.280	0.097	0	0	0	0	0	0	NM_026124	RIKEN cDNA 1110008F13 gene (1110008F13Rik), mRNA.	Mme-M200006407	ILMN_2919489	0	0
66132	1110008L16Rik	-0.311	-0.162	-0.104	0	0	0	0	0	0	XM_885948	PREDICTED: RIKEN cDNA 1110008L16 gene (1110008L16Rik), mRNA.	Mme-M200005127	ILMN_1238142	0	0
73737	1110008P14Rik	0.142	0.008	-0.007	0	0	0	0	0	0	NM_198001	RIKEN cDNA 1110008P14 gene (1110008P14Rik), mRNA.	Mme-M300012020	ILMN_1225594	0	0
68618	1110012L19Rik	0.081	0.066	-0.152	0	0	0	0	0	0	NM_026787	RIKEN cDNA 1110012L19 gene (1110012L19Rik), mRNA.	Mme-M200013655	ILMN_3144761	0	0
73721	1110017D15Rik	0.178	-0.281	-0.223	0	0	0	0	0	0	NM_028624	RIKEN cDNA 1110017D15 gene (1110017D15Rik), transcript variant 2, mRNA.	Mme-M200014296	ILMN_2617920	0	0
68531	1110020A21Rik	0.033	0.125	-0.039	0	0	0	0	0	0	XM_148821	PREDICTED: RIKEN cDNA 1110020A21 gene (1110020A21Rik), mRNA.	Mme-M400012963	ILMN_2663960	0	0
68721	1110032A03Rik	0.214	-0.140	0.010	0	0	0	0	0	0	NM_023483	RIKEN cDNA 1110032A03 gene (1110032A03Rik), mRNA.	Mme-M300011252	ILMN_2708949	0	0
68725	1110032F04Rik	-0.474	0.023	-0.001	0	0	0	0	0	0	XM_905342	PREDICTED: RIKEN cDNA 1110032F04 gene (1110032F04Rik), mRNA.	Mme-M300017868	ILMN_2484234	0	0
66185	1110037F02Rik	0.178	-0.260	-0.081	0	0	0	0	0	0	NM_001081183	RIKEN cDNA 1110037F02 gene (1110037F02Rik), mRNA.	Mme-M300012814	ILMN_1223282	0	0
117171	1110038F14Rik	0.323	0.268	-0.093	0	0	0	0	0	0	NM_054099	RIKEN cDNA 1110038F14 gene (1110038F14Rik), mRNA.	Mme-M200004347	ILMN_2629375	0	0
228356	1110051M20Rik	-0.085	-0.020	-0.039	0	0	0	0	0	0	NM_175123	RIKEN cDNA 1110051M20 gene (1110051M20Rik), transcript variant 2, mRNA.	Mme-M400002406	ILMN_2711312	0	0
68832	1110057K04Rik	0.109	-0.111	0.667	0	0	1	0	0	1	NM_172401	RIKEN cDNA 1110057K04 gene (1110057K04Rik), mRNA.	Mme-M200005153	ILMN_2633457	1	0
68002	1110058L19Rik	0.334	0.090	-0.061	0	0	0	0	0	0	NM_026503	RIKEN cDNA 1110058L19 gene (1110058L19Rik), mRNA.	Mme-M200013732	ILMN_2679428	0	0
66206	1110059E24Rik	0.081	0.072	-0.030	0	0	0	0	0	0	NM_025423	RIKEN cDNA 1110059E24 gene (1110059E24Rik), mRNA.	Mme-M200004964	ILMN_2846731	0	0
66202	1110059G10Rik	0.430	-0.041	-0.048	0	0	0	0	0	0	NM_025419	RIKEN cDNA 1110059G10 gene (1110059G10Rik), mRNA.	Mme-M200007945	ILMN_2825260	0	0
381822	1190002F15Rik	-0.254	0.121	-0.029	0	0	0	0	0	0	XM_001481164	PREDICTED: RIKEN cDNA 1190002F15 gene (1190002F15Rik), mRNA.	Mme-M400013792	ILMN_2427096	0	0
68861	1190002N15Rik	-0.108	-0.134	0.053	0	0	0	0	0	0	NM_001033145	RIKEN cDNA 1190002N15 gene (1190002N15Rik), mRNA.	Mme-M400003026	ILMN_2524691	0	0
68880	1190003K10Rik	0.042	0.014	0.005	0	0	0	0	0	0	XM_893191	PREDICTED: RIKEN cDNA 1190003K10 gene (1190003K10Rik), mRNA.	Mme-M400013042	ILMN_2493688	0	0
68918	1190005I06Rik	-0.152	-0.294	-0.024	0	0	0	0	0	0	NM_197988	RIKEN cDNA 1190005I06 gene (1190005I06Rik), mRNA.	Mme-M300014752	ILMN_2699367	0	0
67454	1200009F10Rik	0.191	-0.083	-0.100	0	0	0	0	0	0	NM_027078	RIKEN cDNA 1200009F10 gene (1200009F10Rik), transcript variant 2, mRNA.	Mme-M200014351	ILMN_2621909	0	0
66874	1200014J11Rik	0.171	-0.015	-0.011	0	0	0	0	0	0	NM_025818	RIKEN cDNA 1200014J11 gene (1200014J11Rik), mRNA.	Mme-M200013782	ILMN_2623480	0	0
71775	1300017J02Rik	-0.271	-0.003	0.099	0	0	0	0	0	0	NM_027918	RIKEN cDNA 1300017J02 gene (1300017J02Rik), mRNA.	Mme-M200003685	ILMN_3004177	0	0
223776	1300018J18Rik	0.069	-0.181	-0.038	0	0	0	0	0	0	NM_027905	RIKEN cDNA 1300018J18 gene (1300018J18Rik), mRNA.	Mme-M300010078	ILMN_2687854	0	0
67885	1500011K16Rik	0.128	-0.003	-0.177	0	0	0	0	0	0	XR_035441	PREDICTED: RIKEN cDNA 1500011K16 gene (1500011K16Rik), misc RNA.	Mme-M300021963	ILMN_1212605	0	0
68949	1500012F01Rik	0.125	-0.173	-0.181	0	0	0	0	0	0	NM_001081005	RIKEN cDNA 1500012F01 gene (1500012F01Rik), mRNA.	Mme-M400013058	ILMN_1216409	0	0
68954	1500012K07Rik	0.095	-0.018	0.014	0	0	0	0	0	0	XM_897515	PREDICTED: RIKEN cDNA 1500012K07 gene, transcript variant 2 (1500012K07Rik), mRNA.	Mme-M400013059	ILMN_2452328	0	0
78896	1500015O10Rik	0.902	-0.186	-0.242	1	0	0	1	0	0	NM_024283	RIKEN cDNA 1500015O10 gene (1500015O10Rik), mRNA.	Mme-M200003056	ILMN_1249000	1	0
72016	1600002H07Rik	-0.243	0.017	0.037	0	0	0	0	0	0	NM_028056	RIKEN cDNA 1600002H07 gene (1600002H07Rik), mRNA.	Mme-M200004715	ILMN_2650578	0	0
69770	1600002K03Rik	0.135	-0.081	-0.049	0	0	0	0	0	0	NM_027207	RIKEN cDNA 1600002K03 gene (1600002K03Rik), mRNA.	Mme-M400001822	ILMN_2609264	0	0
67912	1600012H06Rik	0.214	-0.148	0.090	0	0	0	0	0	0	NM_001083880	RIKEN cDNA 1600012H06 gene (1600012H06Rik), transcript variant 3, mRNA.	Mme-M200006058	ILMN_2718861	0	0
72244	1600014C10Rik	0.288	0.158	-0.050	0	0	0	0	0	0	NM_028166	RIKEN cDNA 1600014C10 gene (1600014C10Rik), transcript variant 2, mRNA.	Mme-M200014920	ILMN_2773909	0	0
72240	1600014C23Rik	0.056	0.068	-0.087	0	0	0	0	0	0	XM_001476543	PREDICTED: RIKEN cDNA 1600014C23 gene (1600014C23Rik), mRNA.	Mme-M200010473	ILMN_2749223	0	0
71996	1600014K23Rik	-0.166	-0.060	-0.035	0	0	0	0	0	0	XM_900638	PREDICTED: RIKEN cDNA 1600014K23 gene, transcript variant 2 (1600014K23Rik), mRNA.	Mme-M200003831	ILMN_1251706	0	0
69761	1600015I10Rik	0.027	-0.016	0.027	0	0	0	0	0	0	NM_001081273	RIKEN cDNA 1600015I10 gene (1600015I10Rik), mRNA.	Mme-M200004674	ILMN_1222284	0	0
69788	1600023N17Rik	0.001	-0.049	-0.106	0	0	0	0	0	0	XM_001477104	PREDICTED: RIKEN cDNA 1600023N17 gene (1600023N17Rik), mRNA.	Mme-M400013239	ILMN_2428612	0	0
72030	1600025M17Rik	0.075	0.013	0.073	0	0	0	0	0	0	XM_991902	PREDICTED: RIKEN cDNA 1600025M17 gene (1600025M17Rik), mRNA.	Mme-M400013695	ILMN_2738127	0	0
76509	1600029D21Rik	0.438	-0.143	-0.072	0	0	0	0	0	0	NM_029639	RIKEN cDNA 1600029D21 gene (1600029D21Rik), mRNA.	Mme-M300008055	ILMN_1259777	0	0
75434	1700001C02Rik	-0.330	0.023	-0.038	0	0	0	0	0	0	NM_029285	RIKEN cDNA 1700001C02 gene (1700001C02Rik), mRNA.	Mme-M200004540	ILMN_3003501	0	0
75462	1700001C19Rik	-0.167	-0.025	-0.004	0	0	0	0	0	0	NM_029296	RIKEN cDNA 1700001C19 gene (1700001C19Rik), mRNA.	Mme-M200014395	ILMN_1215822	0	0
71826	1700001F09Rik	-0.091	-0.057	0.030	0	0	0	0	0	0	NM_027940	RIKEN cDNA 1700001F09 gene (1700001F09Rik), mRNA.	Mme-M400011624	ILMN_1231037	0	0
67503	1700001G17Rik	-0.107	-0.018	0.049	0	0	0	0	0	0	XR_035294	PREDICTED: RIKEN cDNA 1700001G17 gene (1700001G17Rik), misc RNA.	Mme-M200015800	ILMN_1251827	0	0
69282	1700001J03Rik	-0.041	-0.021	0.067	0	0	0	0	0	0	NM_001008547	RIKEN cDNA 1700001J03 gene (1700001J03Rik), mRNA.	Mme-M400007294	ILMN_2666574	0	0
69319	1700001K23Rik	0.014	0.025	-0.067	0	0	0	0	0	0	XM_001002211	PREDICTED: RIKEN cDNA 1700001K23 gene (1700001K23Rik), mRNA.	Mme-M300015945	ILMN_2647023	0	0
73598	1700001O22Rik	-0.073	-0.069	0.108	0	0	0	0	0	0	NM_198000	RIKEN cDNA 1700001O22 gene (1700001O22Rik), mRNA.	Mme-M300015344	ILMN_2664449	0	0
72215	1700001P01Rik	-0.256	-0.013	-0.002	0	0	0	0	0	0	NM_028156	RIKEN cDNA 1700001P01 gene (1700001P01Rik), mRNA.	Mme-M200010470	ILMN_2597451	0	0
75480	1700003F12Rik	0.012	-0.058	0.066	0	0	0	0	0	0	NM_029305	RIKEN cDNA 1700003F12 gene (1700003F12Rik), mRNA.	Mme-M200014421	ILMN_1257491	0	0
384775	1700003H04Rik	-0.199	-0.077	-0.167	0	0	0	0	0	0	XR_033323	PREDICTED: RIKEN cDNA 1700003H04 gene (1700003H04Rik), misc RNA.	Mme-M200014403	ILMN_1217966	0	0
75437	1700006E09Rik	-0.223	-0.091	0.056	0	0	0	0	0	0	XM_126493	PREDICTED: RIKEN cDNA 1700006E09 gene (1700006E09Rik), mRNA.	Mme-M200008737	ILMN_2681375	0	0
71831	1700007B14Rik	-0.005	0.004	-0.035	0	0	0	0	0	0	XM_486134	PREDICTED: RIKEN cDNA 1700007B14 gene, transcript variant 1 (1700007B14Rik), mRNA.	Mme-M200015656	ILMN_1237764	0	0
75784	1700007G11Rik	0.161	-0.084	-0.021	0	0	0	0	0	0	NM_001024614	RIKEN cDNA 1700007G11 gene (1700007G11Rik), mRNA.	Mme-M400006080	ILMN_3003018	0	0
69318	1700007K09Rik	0.119	0.058	-0.031	0	0	0	0	0	0	NM_027037	RIKEN cDNA 1700007K09 gene (1700007K09Rik), mRNA.	Mme-M300007468	ILMN_2834950	0	0
69327	1700007K13Rik	0.449	-0.143	-0.102	0	0	0	0	0	0	NM_027040	RIKEN cDNA 1700007K13 gene (1700007K13Rik), mRNA.	Mme-M200014523	ILMN_1232336	0	0
75453	1700008F21Rik	0.139	-0.090	0.030	0	0	0	0	0	0	NM_029292	RIKEN cDNA 1700008F21 gene (1700008F21Rik), mRNA.	Mme-M300004776	ILMN_2944703	0	0
71841	1700008I05Rik	0.099	-0.001	0.063	0	0	0	0	0	0	NM_027952	RIKEN cDNA 1700008I05 gene (1700008I05Rik), mRNA.	Mme-M400006261	ILMN_2676443	0	0
69349	1700008O03Rik	-0.472	-0.051	-0.005	0	0	0	0	0	0	XM_133454	PREDICTED: RIKEN cDNA 1700008O03 gene, transcript variant 1 (1700008O03Rik), mRNA.	Mme-M200009887	ILMN_2603147	0	0
75188	1700009J07Rik	0.021	0.038	-0.002	0	0	0	0	0	0	XR_035304	PREDICTED: RIKEN cDNA 1700009J07 gene (1700009J07Rik), misc RNA.	Mme-M300008515	ILMN_1231550	0	0
75471	1700009N14Rik	-0.457	0.064	0.034	0	0	0	0	0	0	NM_001081095	RIKEN cDNA 1700009N14 gene (1700009N14Rik), mRNA.	Mme-M200004638	ILMN_1241746	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
75485	1700010B08Rik	-0.119	0.028	0.001	0	0	0	0	0	0	XM_001479037	PREDICTED: RIKEN cDNA 1700010B08 gene (1700010B08Rik), mRNA.	Mme-M400005750	ILMN_2768872	0	0
76386	1700010D01Rik	-0.013	0.063	0.029	0	0	0	0	0	0	NM_029590	RIKEN cDNA 1700010D01 gene (1700010D01Rik), mRNA.	Mme-M400008550	ILMN_1250734	0	0
66931	1700010I14Rik	-0.067	0.002	-0.001	0	0	0	0	0	0	NM_025851	RIKEN cDNA 1700010I14 gene (1700010I14Rik), mRNA.	Mme-M200015220	ILMN_2665591	0	0
66322	1700011A15Rik	-0.171	-0.021	-0.017	0	0	0	0	0	0	NM_025487	RIKEN cDNA 1700011A15 gene (1700011A15Rik), mRNA.	Mme-M200009978	ILMN_1232564	0	0
75467	1700011E24Rik	-0.063	-0.035	-0.056	0	0	0	0	0	0	XM_001481211	PREDICTED: RIKEN cDNA 1700011E24 gene, transcript variant 1 (1700011E24Rik), mRNA.	Mme-M200014676	ILMN_2728228	0	0
67082	1700011H14Rik	-0.290	-0.047	0.000	0	0	0	0	0	0	NM_025956	RIKEN cDNA 1700011H14 gene (1700011H14Rik), mRNA.	Mme-M200015861	ILMN_1240624	0	0
75444	1700011I03Rik	-0.212	-0.077	-0.162	0	0	0	0	0	0	XM_980728	PREDICTED: RIKEN cDNA 1700011I03 gene, transcript variant 4 (1700011I03Rik), mRNA.	Mme-M400006551	ILMN_2428351	0	0
67687	1700011L22Rik	-0.123	0.004	0.012	0	0	0	0	0	0	XM_134463	PREDICTED: RIKEN cDNA 1700011L22 gene, transcript variant 1 (1700011L22Rik), mRNA.	Mme-M200011863	ILMN_1250028	0	0
75443	1700011M02Rik	-0.156	-0.076	-0.101	0	0	0	0	0	0	XM_001474336	PREDICTED: RIKEN cDNA 1700011M02 gene (1700011M02Rik), mRNA.	Mme-M400003449	ILMN_2683951	0	0
76382	1700012A03Rik	-0.051	-0.013	-0.034	0	0	0	0	0	0	NM_029587	RIKEN cDNA 1700012A03 gene (1700012A03Rik), mRNA.	Mme-M200004632	ILMN_2678187	0	0
69325	1700012B09Rik	-0.036	-0.135	-0.004	0	0	0	0	0	0	NM_029306	RIKEN cDNA 1700012B09 gene (1700012B09Rik), mRNA.	Mme-M300007978	ILMN_1251239	0	0
76383	1700012L04Rik	-0.205	-0.097	0.108	0	0	0	0	0	0	NM_029588	RIKEN cDNA 1700012L04 gene (1700012L04Rik), mRNA.	Mme-M400009702	ILMN_2804407	0	0
69364	1700012P22Rik	-0.458	0.001	-0.036	0	0	0	0	0	0	XM_131817	PREDICTED: RIKEN cDNA 1700012P22 gene (1700012P22Rik), mRNA.	Mme-M200010076	ILMN_1229341	0	0
76921	1700013D24Rik	-0.001	-0.024	0.000	0	0	0	0	0	0	XM_989548	PREDICTED: RIKEN cDNA 1700013D24 gene (1700013D24Rik), mRNA.	Mme-M400007560	ILMN_2645544	0	0
69380	1700013G24Rik	-0.148	0.003	-0.030	0	0	0	0	0	0	NM_027063	RIKEN cDNA 1700013G24 gene (1700013G24Rik), mRNA.	Mme-M200007387	ILMN_2653832	0	0
75514	1700013H16Rik	0.061	-0.012	0.036	0	0	0	0	0	0	XM_135430	PREDICTED: RIKEN cDNA 1700013H16 gene (1700013H16Rik), mRNA.	Mme-M400004921	ILMN_1218319	0	0
76925	1700015E13Rik	-0.102	-0.065	-0.058	0	0	0	0	0	0	NM_001039593	RIKEN cDNA 1700015E13 gene (1700015E13Rik), mRNA.	Mme-M300013902	ILMN_2634503	0	0
381716	1700015F17Rik	-0.215	-0.094	-0.048	0	0	0	0	0	0	XM_622366	PREDICTED: RIKEN cDNA 1700015F17 gene (1700015F17Rik), mRNA.	Mme-M400004922	ILMN_2538772	0	0
69428	1700016C15Rik	-0.283	-0.026	-0.016	0	0	0	0	0	0	NM_027077	RIKEN cDNA 1700016C15 gene (1700016C15Rik), mRNA.	Mme-M200015647	ILMN_1222931	0	0
76413	1700016D06Rik	0.259	-0.045	-0.109	0	0	0	0	0	0	NM_024271	RIKEN cDNA 1700016D06 gene (1700016D06Rik), mRNA.	Mme-M200004558	ILMN_2939583	0	0
666145	1700016G14Rik	-0.212	-0.068	0.014	0	0	0	0	0	0	XM_981898	PREDICTED: hypothetical LOC666145 (LOC666145), mRNA.	Mme-M300021078	ILMN_1216330	0	0
74218	1700016H13Rik	-0.169	-0.013	-0.095	0	0	0	0	0	0	XM_908729	PREDICTED: RIKEN cDNA 1700016H13 gene, transcript variant 3 (1700016H13Rik), mRNA.	Mme-M200010706	ILMN_2618779	0	0
75561	1700016J18Rik	0.042	-0.143	-0.092	0	0	0	0	0	0	XM_989647	PREDICTED: RIKEN cDNA 1700016J18 gene (1700016J18Rik), mRNA.	Mme-M300015630	ILMN_1225662	0	0
74230	1700016K19Rik	0.133	-0.170	-0.063	0	0	0	0	0	0	NM_198637	RIKEN cDNA 1700016K19 gene (1700016K19Rik), mRNA.	Mme-M400004585	ILMN_2694110	0	0
66605	1700017N19Rik	-0.094	-0.016	0.149	0	0	0	0	0	0	NM_001081246	RIKEN cDNA 1700017N19 gene (1700017N19Rik), mRNA.	Mme-M200015336	ILMN_1225659	0	0
66332	1700018B24Rik	-0.269	0.104	0.015	0	0	0	0	0	0	NR_003617	RIKEN cDNA 1700018B24 gene (1700018B24Rik) on chromosome 3.	Mme-M300011219	ILMN_1231777	0	0
75524	1700018C11Rik	-0.413	-0.003	0.041	0	0	0	0	0	0	NM_029324	RIKEN cDNA 1700018C11 gene (1700018C11Rik), mRNA.	Mme-M200008093	ILMN_2649579	0	0
69396	1700018F24Rik	0.053	-0.096	-0.114	0	0	0	0	0	0	NM_027069	RIKEN cDNA 1700018F24 gene (1700018F24Rik), mRNA.	Mme-M400011593	ILMN_2746218	0	0
69388	1700018G05Rik	-0.015	-0.014	0.055	0	0	0	0	0	0	XM_920174	PREDICTED: RIKEN cDNA 1700018G05 gene (1700018G05Rik), mRNA.	Mme-M400005815	ILMN_2518930	0	0
69397	1700019A02Rik	-0.051	0.031	0.072	0	0	0	0	0	0	XM_892538	PREDICTED: RIKEN cDNA 1700019A02 gene (1700019A02Rik), mRNA.	Mme-M300004934	ILMN_2707328	0	0
76406	1700019B03Rik	0.125	0.008	0.017	0	0	0	0	0	0	XM_133982	PREDICTED: RIKEN cDNA 1700019B03 gene (1700019B03Rik), mRNA.	Mme-M200015393	ILMN_2724078	0	0
75545	1700019B21Rik	-0.224	-0.028	0.029	0	0	0	0	0	0	XM_001473416	PREDICTED: RIKEN cDNA 1700019B21 gene (1700019B21Rik), mRNA.	Mme-M400008110	ILMN_1254273	0	0
67080	1700019D03Rik	0.251	-0.186	-0.065	0	0	0	0	0	0	NM_144953	RIKEN cDNA 1700019D03 gene (1700019D03Rik), mRNA.	Mme-M300014694	ILMN_2646640	0	0
75541	1700019G17Rik	0.081	0.147	-0.099	0	0	0	0	0	0	NM_029331	RIKEN cDNA 1700019G17 gene (1700019G17Rik), mRNA.	Mme-M200004901	ILMN_2758803	0	0
227736	1700019L03Rik	-0.055	-0.073	-0.026	0	0	0	0	0	0	NM_025619	RIKEN cDNA 1700019L03 gene (1700019L03Rik), mRNA.	Mme-M200003806	ILMN_1256787	0	0
69423	1700019M22Rik	-0.250	0.045	-0.026	0	0	0	0	0	0	NM_027076	RIKEN cDNA 1700019M22 gene (1700019M22Rik), mRNA.	Mme-M400006927	ILMN_1246636	0	0
67507	1700019N19Rik	-0.064	0.004	0.026	0	0	0	0	0	0	NM_026208	RIKEN cDNA 1700019N19 gene (1700019N19Rik), mRNA.	Mme-M200005392	ILMN_2618910	0	0
71863	1700019O17Rik	-0.115	-0.031	-0.046	0	0	0	0	0	0	XM_895919	PREDICTED: RIKEN cDNA 1700019O17 gene, transcript variant 2 (1700019O17Rik), mRNA.	Mme-M200011900	ILMN_1234805	0	0
75656	1700020A23Rik	-0.266	0.080	0.039	0	0	0	0	0	0	XM_894775	PREDICTED: RIKEN cDNA 1700020A23 gene, transcript variant 2 (1700020A23Rik), mRNA.	Mme-M200011776	ILMN_1258084	0	0
75555	1700020D05Rik	-0.250	-0.036	0.057	0	0	0	0	0	0	NM_023781	RIKEN cDNA 1700020D05 gene (1700020D05Rik), mRNA.	Mme-M400011445	ILMN_2606555	0	0
66330	1700020L24Rik	-0.033	-0.299	0.020	0	0	0	0	0	0	NM_025492	RIKEN cDNA 1700020L24 gene (1700020L24Rik), mRNA.	Mme-M200014129	ILMN_2895240	0	0
67692	1700020N01Rik	-0.032	-0.020	-0.045	0	0	0	0	0	0	XR_035077	PREDICTED: RIKEN cDNA 1700020N01 gene (1700020N01Rik), misc RNA.	Mme-M400012550	ILMN_2795968	0	0
67851	1700021F05Rik	0.021	0.029	0.031	0	0	0	0	0	0	NM_026411	RIKEN cDNA 1700021F05 gene (1700021F05Rik), mRNA.	Mme-M200005020	ILMN_2761181	0	0
72221	1700021F07Rik	0.045	0.051	0.043	0	0	0	0	0	0	XM_884453	PREDICTED: RIKEN cDNA 1700021F07 gene (1700021F07Rik), mRNA.	Mme-M200014397	ILMN_1255693	0	0
75521	1700021P04Rik	-0.167	0.011	-0.005	0	0	0	0	0	0	XM_988914	PREDICTED: RIKEN cDNA 1700021P04 gene (1700021P04Rik), mRNA.	Mme-M200011009	ILMN_1258987	0	0
72252	1700022A21Rik	-0.226	0.085	-0.009	0	0	0	0	0	0	NR_003953	RIKEN cDNA 1700022A21 gene (1700022A21Rik) on chromosome 5.	Mme-M300011377	ILMN_2755448	0	0
67317	1700022I11Rik	-0.011	0.019	-0.083	0	0	0	0	0	0	NM_026088	RIKEN cDNA 1700022I11 gene (1700022I11Rik), mRNA.	Mme-M300006091	ILMN_2748775	0	0
69431	1700022N22Rik	-0.198	0.071	0.067	0	0	0	0	0	0	XM_001478248	PREDICTED: RIKEN cDNA 1700022N22 gene (1700022N22Rik), mRNA.	Mme-M400013160	ILMN_1225466	0	0
71868	1700023E05Rik	0.040	-0.064	0.032	0	0	0	0	0	0	NM_027970	RIKEN cDNA 1700023E05 gene (1700023E05Rik), mRNA.	Mme-M200009613	ILMN_2696687	0	0
76419	1700023L04Rik	0.010	-0.144	-0.090	0	0	0	0	0	0	XM_485737	PREDICTED: RIKEN cDNA 1700023L04 gene (1700023L04Rik), mRNA.	Mme-M300016643	ILMN_2677217	0	0
69382	1700024P04Rik	-0.108	-0.004	0.080	0	0	0	0	0	0	XM_127485	PREDICTED: RIKEN cDNA 1700024P04 gene (1700024P04Rik), mRNA.	Mme-M200014269	ILMN_2620691	0	0
242594	1700024P16Rik	0.015	-0.028	0.009	0	0	0	0	0	0	XM_161350	PREDICTED: RIKEN cDNA 1700024P16 gene (1700024P16Rik), mRNA.	Mme-M300017614	ILMN_2739064	0	0
69416	1700025F22Rik	0.020	-0.015	0.060	0	0	0	0	0	0	NM_027074	RIKEN cDNA 1700025F22 gene (1700025F22Rik), mRNA.	Mme-M400000775	ILMN_2654732	0	0
69399	1700025G04Rik	0.161	0.016	0.158	0	0	0	0	0	0	NM_197990	RIKEN cDNA 1700025G04 gene (1700025G04Rik), mRNA.	Mme-M300008375	ILMN_2669982	0	0
75531	1700025H01Rik	-0.274	0.027	-0.045	0	0	0	0	0	0	XM_001479023	PREDICTED: RIKEN cDNA 1700025H01 gene (1700025H01Rik), mRNA.	Mme-M300016240	ILMN_2608944	0	0
75556	1700026D08Rik	-0.431	0.023	-0.116	0	0	0	0	0	0	NM_029335	RIKEN cDNA 1700026D08 gene (1700026D08Rik), mRNA.	Mme-M300001126	ILMN_2670708	0	0
73255	1700026J12Rik	-0.026	-0.006	0.023	0	0	0	0	0	0	XR_033917	PREDICTED: RIKEN cDNA 1700026J12 gene (1700026J12Rik), misc RNA.	Mme-M300003427	ILMN_1230603	0	0
69987	1700026L06Rik	0.178	0.038	-0.080	0	0	0	0	0	0	NM_027283	RIKEN cDNA 1700026L06 gene (1700026L06Rik), mRNA.	Mme-M300005297	ILMN_2720572	0	0
72268	1700027F06Rik	0.052	-0.009	-0.075	0	0	0	0	0	0	XM_989580	PREDICTED: RIKEN cDNA 1700027F06 gene (1700027F06Rik), mRNA.	Mme-M400013735	ILMN_2458328	0	0
69443	1700027J07Rik	0.001	0.029	0.007	0	0	0	0	0	0	XM_001477707	PREDICTED: RIKEN cDNA 1700027J07 gene (1700027J07Rik), mRNA.	Mme-M400013165	ILMN_2660038	0	0
70003	1700028I16Rik	-0.294	0.021	-0.017	0	0	0	0	0	0	XM_001475840	PREDICTED: RIKEN cDNA 1700028I16 gene (1700028I16Rik), mRNA.	Mme-M400005648	ILMN_2502017	0	0
70004	1700028J19Rik	-0.148	-0.017	-0.052	0	0	0	0	0	0	XM_901377	PREDICTED: RIKEN cDNA 1700028J19 gene, transcript variant 2 (1700028J19Rik), mRNA.	Mme-M200010107	ILMN_2593083	0	0
76421	1700028K03Rik	-0.085	-0.045	-0.042	0	0	0	0	0	0	NM_182745	RIKEN cDNA 1700028K03 gene (1700028K03Rik), mRNA.	Mme-M300017264	ILMN_2680815	0	0
67483	1700028P14Rik	0.072	-0.031	-0.028	0	0	0	0	0	0	NM_026188	RIKEN cDNA 1700028P14 gene (1700028P14Rik), mRNA.	Mme-M200015340	ILMN_2601035	0	0
66479	1700029F12Rik	-0.144	0.057	0.077	0	0	0	0	0	0	NM_025585	RIKEN cDNA 1700029F12 gene (1700029F12Rik), transcript variant 2, mRNA.	Mme-M400003989	ILMN_2745779	0	0
66501	1700029H14Rik	-0.243	0.046	0.036	0	0	0	0	0	0	NM_025601	RIKEN cDNA 1700029H14 gene (1700029H14Rik), transcript variant 1, mRNA.	Mme-M200014398	ILMN_3090756	0	0
75641	1700029I15Rik	-0.115	-0.200	-0.014	0	0	0	0	0	0	NM_183112	RIKEN cDNA 1700029I15 gene (1700029I15Rik), mRNA.	Mme-M300015900	ILMN_2632536	0	0
69479	1700029J07Rik	-0.055	-0.084	0.178	0	0	0	0	0	0	NM_001033148	RIKEN cDNA 1700029J07 gene (1700029J07Rik), mRNA.	Mme-M400013176	ILMN_2723346	0	0
66346	1700029P11Rik	-0.006	-0.126	-0.120	0	0	0	0	0	0	NM_025503	RIKEN cDNA 1700029P11 gene (1700029P11Rik), mRNA.	Mme-M400011489	ILMN_1260016	0	0
72277	1700030F18Rik	-0.251	-0.014	0.002	0	0	0	0	0	0	NM_028180	RIKEN cDNA 1700030F18 gene (1700030F18Rik), mRNA.	Mme-M300016312	ILMN_2601793	0	0
69528	1700030J22Rik	-0.061	-0.117	-0.073	0	0	0	0	0	0	NM_027103	RIKEN cDNA 1700030J22 gene (1700030J22Rik), mRNA.	Mme-M200015044	ILMN_1231468	0	0
72254	1700030K09Rik	-0.096	-0.055	-0.089	0	0	0	0	0	0	NM_028170	RIKEN cDNA 1700030K09 gene (1700030K09Rik), mRNA.	Mme-M300009444	ILMN_2705655	0	0
73300	1700031F05Rik	-0.150	-0.034	0.080	0	0	0	0	0	0	XM_356346	PREDICTED: RIKEN cDNA 1700031F05 gene, transcript variant 1 (1700031F05Rik), mRNA.	Mme-M400001507	ILMN_1244621	0	0
78414	1700034E13Rik	-0.140	-0.071	0.077	0	0	0	0	0	0	NM_030097	RIKEN cDNA 1700034E13 gene (1700034E13Rik), mRNA.	Mme-M200014335	ILMN_2617673	0	0
73297	1700034I23Rik	0.070	0.002	0.001	0	0	0	0	0	0	NM_028494	RIKEN cDNA 1700034I23 gene (1700034I23Rik), mRNA.	Mme-M400005553	ILMN_2862353	0	0
76606	1700034O15Rik	-0.236	-0.128	-0.074	0	0	0	0	0	0	NM_029671	RIKEN cDNA 1700034O15 gene (1700034O15Rik), mRNA.	Mme-M200015125	ILMN_2613803	0	0
100040447	1700036A12Rik	-0.049	0.032	0.014	0	0	0	0	0	0	XM_001475271	PREDICTED: hypothetical protein LOC100040447 (LOC100040447), mRNA.	Mme-M400004138	ILMN_2672809	0	0
73261	1700037C18Rik	-0.282	-0.089	-0.140	0	0	0	0	0	0	NM_028484	RIKEN cDNA 1700037C18 gene (1700037C18Rik), mRNA.	Mme-M300000743	ILMN_1250924	0	0
67326	1700037H04Rik	-0.183	-0.074	-0.110	0	0	0	0	0	0	NM_026091	RIKEN cDNA 1700037H04 gene (1700037H04Rik), mRNA.	Mme-M200005667	ILMN_1213070	0	0
76713	1700039E15Rik	-0.238	0.074	-0.081	0	0	0	0	0	0	NM_001033176	RIKEN cDNA 1700039E15 gene (1700039E15Rik), mRNA.	Mme-M300015564	ILMN_2958222	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
73287	1700040L02Rik	0.007	0.016	-0.001	0	0	0	0	0	0	NM_028491	RIKEN cDNA 1700040L02 gene (1700040L02Rik), mRNA.	Mme-M200009366	ILMN_2687560	0	0
67323	1700042G07Rik	-0.042	0.055	-0.019	0	0	0	0	0	0	NM_001099295	RIKEN cDNA 1700042G07 gene (1700042G07Rik), mRNA.	Mme-M400013984	ILMN_2706547	0	0
108950	1700049L16Rik	-0.084	-0.010	-0.010	0	0	0	0	0	0	NR_003644	RIKEN cDNA 1700049L16 gene (1700049L16Rik) on chromosome 10.	Mme-M300014917	ILMN_1215184	0	0
73431	1700052K11Rik	0.223	-0.191	0.053	0	0	0	0	0	0	XR_035285	PREDICTED: RIKEN cDNA 1700052K11 gene (1700052K11Rik), misc RNA.	Mme-M400003412	ILMN_1219084	0	0
73419	1700052N19Rik	0.039	-0.061	0.056	0	0	0	0	0	0	NM_024261	RIKEN cDNA 1700052N19 gene (1700052N19Rik), mRNA.	Mme-M400007518	ILMN_2985579	0	0
73405	1700055D18Rik	-0.217	-0.001	-0.059	0	0	0	0	0	0	XR_035212	PREDICTED: RIKEN cDNA 1700055D18 gene (1700055D18Rik), misc RNA.	Mme-M400004182	ILMN_2651224	0	0
73363	1700056E22Rik	-0.346	-0.018	0.048	0	0	0	0	0	0	XM_484951	PREDICTED: RIKEN cDNA 1700056E22 gene (1700056E22Rik), mRNA.	Mme-M200014678	ILMN_2475761	0	0
78460	1700057H15Rik	-0.034	-0.038	-0.087	0	0	0	0	0	0	XM_001472480	PREDICTED: RIKEN cDNA 1700057H15 gene (1700057H15Rik), mRNA.	Mme-M300014585	ILMN_2674684	0	0
78625	1700061G19Rik	-0.049	0.063	-0.120	0	0	0	0	0	0	NM_030141	RIKEN cDNA 1700061G19 gene (1700061G19Rik), mRNA.	Mme-M300003985	ILMN_2936769	0	0
74269	1700063H04Rik	0.021	0.018	-0.003	0	0	0	0	0	0	XM_001480666	PREDICTED: RIKEN cDNA 1700063H04 gene (1700063H04Rik), mRNA.	Mme-M200015567	ILMN_1244141	0	0
67343	1700065I17Rik	0.032	-0.049	-0.014	0	0	0	0	0	0	NM_026099	RIKEN cDNA 1700065I17 gene (1700065I17Rik), mRNA.	Mme-M300008501	ILMN_1240536	0	0
73467	1700066M21Rik	-0.097	0.014	-0.010	0	0	0	0	0	0	XM_129727	PREDICTED: RIKEN cDNA 1700066M21 gene (1700066M21Rik), mRNA.	Mme-M400002117	ILMN_2628149	0	0
73453	1700067K01Rik	0.098	-0.109	0.067	0	0	0	0	0	0	NM_183097	RIKEN cDNA 1700067K01 gene (1700067K01Rik), mRNA.	Mme-M200015400	ILMN_2927643	0	0
68224	1700067P10Rik	0.079	0.077	-0.005	0	0	0	0	0	0	NM_026625	RIKEN cDNA 1700067P10 gene (1700067P10Rik), mRNA.	Mme-M200009228	ILMN_2616500	0	0
381827	1700073E17Rik	-0.037	-0.013	-0.104	0	0	0	0	0	0	NR_003625	RIKEN cDNA 1700073E17 gene (1700073E17Rik) on chromosome 6.	Mme-M300007098	ILMN_2790902	0	0
73481	1700074P13Rik	-0.407	0.048	0.096	0	0	0	0	0	0	NM_028550	RIKEN cDNA 1700074P13 gene (1700074P13Rik), mRNA.	Mme-M200015672	ILMN_2695988	0	0
73532	1700080E11Rik	-0.314	-0.080	0.063	0	0	0	0	0	0	NM_028562	RIKEN cDNA 1700080E11 gene (1700080E11Rik), mRNA.	Mme-M200004634	ILMN_2772130	0	0
73533	1700080G18Rik	0.305	-0.072	0.046	0	0	0	0	0	0	XM_988959	PREDICTED: RIKEN cDNA 1700080G18 gene (1700080G18Rik), mRNA.	Mme-M400004410	ILMN_2456536	0	0
78465	1700084C01Rik	0.148	0.150	0.007	0	0	0	0	0	0	NM_001033185	RIKEN cDNA 1700084C01 gene (1700084C01Rik), mRNA.	Mme-M400003050	ILMN_2862026	0	0
67350	1700084E18Rik	-0.247	-0.148	-0.169	0	0	0	0	0	0	XM_977942	PREDICTED: RIKEN cDNA 1700084E18 gene (1700084E18Rik), mRNA.	Mme-M400015086	ILMN_1216439	0	0
73486	1700084J12Rik	0.166	-0.031	-0.072	0	0	0	0	0	0	XR_001566	PREDICTED: RIKEN cDNA 1700084J12 gene (1700084J12Rik), misc RNA.	Mme-M400006188	ILMN_2706248	0	0
73487	1700084M14Rik	-0.008	-0.018	-0.070	0	0	0	0	0	0	XR_005190	PREDICTED: RIKEN cDNA 1700084M14 gene (1700084M14Rik), misc RNA.	Mme-M400001793	ILMN_2421705	0	0
27660	1700088E04Rik	-0.012	-0.069	-0.069	0	0	0	0	0	0	NM_138581	RIKEN cDNA 1700088E04 gene (1700088E04Rik), mRNA.	Mme-M200012669	ILMN_1239196	0	0
74307	1700092M07Rik	-0.181	0.059	0.042	0	0	0	0	0	0	XM_897786	PREDICTED: RIKEN cDNA 1700092M07 gene (1700092M07Rik), mRNA.	Mme-M400014172	ILMN_2448322	0	0
67358	1700093K21Rik	-0.032	0.079	0.047	0	0	0	0	0	0	NM_026105	RIKEN cDNA 1700093K21 gene (1700093K21Rik), transcript variant 1, mRNA.	Mme-M300002111	ILMN_2736976	0	0
73545	1700094D03Rik	0.251	0.041	-0.036	0	0	0	0	0	0	XM_892960	PREDICTED: RIKEN cDNA 1700094D03 gene (1700094D03Rik), mRNA.	Mme-M200001442	ILMN_1259302	0	0
74293	1700095J03Rik	0.055	-0.039	-0.038	0	0	0	0	0	0	XM_899837	PREDICTED: RIKEN cDNA 1700095J03 gene (1700095J03Rik), mRNA.	Mme-M400014168	ILMN_1219297	0	0
329375	1700101E01Rik	-0.205	0.044	-0.051	0	0	0	0	0	0	NM_001085514	RIKEN cDNA 1700101E01 gene (1700101E01Rik), mRNA.	Mme-M400007919	ILMN_1215612	0	0
112418	1700102P08Rik	-0.069	-0.058	-0.034	0	0	0	0	0	0	NM_053216	RIKEN cDNA 1700102P08 gene (1700102P08Rik), mRNA.	Mme-M200015473	ILMN_2646254	0	0
74297	1700106J16Rik	0.065	-0.022	-0.023	0	0	0	0	0	0	XM_484061	PREDICTED: RIKEN cDNA 1700106J16 gene (1700106J16Rik), mRNA.	Mme-M200011841	ILMN_1213028	0	0
73429	1700109F18Rik	-0.141	0.040	-0.030	0	0	0	0	0	0	XM_984549	PREDICTED: RIKEN cDNA 1700109F18 gene (1700109F18Rik), mRNA.	Mme-M400004094	ILMN_2446908	0	0
77036	1700109H08Rik	-0.213	-0.076	-0.019	0	0	0	0	0	0	NM_029843	RIKEN cDNA 1700109H08 gene (1700109H08Rik), mRNA.	Mme-M300000959	ILMN_3005587	0	0
76633	1700112E06Rik	0.145	-0.054	0.018	0	0	0	0	0	0	XM_886604	PREDICTED: RIKEN cDNA 1700112E06 gene, transcript variant 2 (1700112E06Rik), mRNA.	Mme-M400008285	ILMN_2690564	0	0
76640	1700113H08Rik	0.093	-0.094	-0.033	0	0	0	0	0	0	XM_354556	PREDICTED: RIKEN cDNA 1700113H08 gene (1700113H08Rik), mRNA.	Mme-M200008671	ILMN_2682739	0	0
641387	1700120B22Rik	0.055	-0.065	0.093	0	0	0	0	0	0	XM_001472786	PREDICTED: RIKEN cDNA 1700120B22 gene (1700120B22Rik), mRNA.	Mme-M300016352	ILMN_2547729	0	0
68232	1700120K04Rik	-0.191	-0.029	0.036	0	0	0	0	0	0	XR_035446	PREDICTED: RIKEN cDNA 1700120K04 gene (1700120K04Rik), misc RNA.	Mme-M400003705	ILMN_2754497	0	0
76651	1700122O11Rik	-0.064	0.043	0.076	0	0	0	0	0	0	XM_001480119	PREDICTED: RIKEN cDNA 1700122O11 gene (1700122O11Rik), mRNA.	Mme-M200011183	ILMN_1215484	0	0
76658	1700123K08Rik	-0.326	0.148	0.063	0	0	0	0	0	0	NM_029693	RIKEN cDNA 1700123K08 gene (1700123K08Rik), mRNA.	Mme-M400001176	ILMN_2648526	0	0
78482	1700123L14Rik	-0.018	-0.137	-0.062	0	0	0	0	0	0	NR_003643	RIKEN cDNA 1700123L14 gene (1700123L14Rik) on chromosome 6.	Mme-M400003469	ILMN_2925702	0	0
73624	1700123O12Rik	-0.012	0.005	-0.022	0	0	0	0	0	0	XM_896951	PREDICTED: RIKEN cDNA 1700123O12 gene, transcript variant 1 (1700123O12Rik), mRNA.	Mme-M400014058	ILMN_2471507	0	0
58248	1700123O20Rik	0.163	0.079	-0.019	0	0	0	0	0	0	NM_021437	RIKEN cDNA 1700123O20 gene (1700123O20Rik), mRNA.	Mme-M200012804	ILMN_2999447	0	0
73634	1700125H20Rik	-0.037	-0.039	0.010	0	0	0	0	0	0	XM_126139	PREDICTED: RIKEN cDNA 1700125H20 gene, transcript variant 1 (1700125H20Rik), mRNA.	Mme-M200014654	ILMN_1214957	0	0
67932	1700129C05Rik	-0.010	0.030	0.008	0	0	0	0	0	0	XR_035476	PREDICTED: RIKEN cDNA 1700129C05 gene (1700129C05Rik), misc RNA.	Mme-M200015161	ILMN_1219593	0	0
66276	1810009A15Rik	0.319	0.063	-0.146	0	0	0	0	0	0	NM_025463	RIKEN cDNA 1810009A15 gene (1810009A15Rik), mRNA.	Mme-M200000731	ILMN_1221262	0	0
73626	1810009J06Rik	0.017	-0.036	-0.026	0	0	0	0	0	0	NM_023707	RIKEN cDNA 1810009J06 gene (1810009J06Rik), mRNA.	Mme-M400009406	ILMN_2631712	0	0
69099	1810009N02Rik	-0.101	-0.058	-0.006	0	0	0	0	0	0	NM_026939	RIKEN cDNA 1810009N02 gene (1810009N02Rik), mRNA.	Mme-M400011587	ILMN_2764607	0	0
69066	1810010H24Rik	-0.067	0.046	0.017	0	0	0	0	0	0	XM_286373	PREDICTED: RIKEN cDNA 1810010H24 gene (1810010H24Rik), mRNA.	Mme-M400013078	ILMN_2616099	0	0
69069	1810011H11Rik	0.219	0.119	0.045	0	0	0	0	0	0	XM_358452	PREDICTED: RIKEN cDNA 1810011H11 gene, transcript variant 1 (1810011H11Rik), mRNA.	Mme-M300013312	ILMN_1222269	0	0
69068	1810011O10Rik	0.008	-0.160	-0.063	0	0	0	0	0	0	NM_026931	RIKEN cDNA 1810011O10 gene (1810011O10Rik), mRNA.	Mme-M400005468	ILMN_1254307	0	0
69053	1810013L24Rik	0.034	-0.090	-0.125	0	0	0	0	0	0	NM_001081400	RIKEN cDNA 1810013L24 gene (1810013L24Rik), mRNA.	Mme-M200005393	ILMN_2616630	0	0
69073	1810019J16Rik	0.208	0.032	-0.099	0	0	0	0	0	0	NM_133707	RIKEN cDNA 1810019J16 gene (1810019J16Rik), transcript variant 2, mRNA.	Mme-M400011813	ILMN_2703678	0	0
69126	1810022K09Rik	0.163	0.171	0.027	0	0	0	0	0	0	NM_001099674	RIKEN cDNA 1810022K09 gene (1810022K09Rik), mRNA.	Mme-M400013088	ILMN_2684402	0	0
329509	1810024B03Rik	-0.031	0.016	-0.059	0	0	0	0	0	0	XR_034721	PREDICTED: RIKEN cDNA 1810024B03 gene (1810024B03Rik), misc RNA.	Mme-M300015189	ILMN_2596821	0	0
69773	1810026J23Rik	0.195	-0.070	-0.024	0	0	0	0	0	0	NM_178619	RIKEN cDNA 1810026J23 gene (1810026J23Rik), mRNA.	Mme-M200008206	ILMN_2912439	0	0
69155	1810030O07Rik	-0.169	0.036	-0.040	0	0	0	0	0	0	NM_175141	RIKEN cDNA 1810030O07 gene (1810030O07Rik), mRNA.	Mme-M200003408	ILMN_2646649	0	0
67704	1810037I17Rik	0.010	0.073	-0.137	0	0	0	0	0	0	NM_024461	RIKEN cDNA 1810037I17 gene (1810037I17Rik), mRNA.	Mme-M400004704	ILMN_2602607	0	0
72301	1810041L15Rik	-0.320	0.160	0.100	0	0	0	0	0	0	XM_128169	PREDICTED: RIKEN cDNA 1810041L15 gene, transcript variant 1 (1810041L15Rik), mRNA.	Mme-M300010247	ILMN_1255516	0	0
67884	1810043G02Rik	0.029	0.099	-0.183	0	0	0	0	0	0	NM_026431	RIKEN cDNA 1810043G02 gene (1810043G02Rik), mRNA.	Mme-M200013718	ILMN_2449725	0	0
208501	1810043H04Rik	0.065	-0.070	-0.154	0	0	0	0	0	0	NM_001110242	RIKEN cDNA 1810043H04 gene (1810043H04Rik), mRNA.	Mme-M400013242	ILMN_1245809	0	0
69809	1810046K07Rik	-0.056	0.037	0.049	0	0	0	0	0	0	XM_134800	PREDICTED: RIKEN cDNA 1810046K07 gene, transcript variant 1 (1810046K07Rik), mRNA.	Mme-M200015409	ILMN_1245825	0	0
72056	1810055G02Rik	0.045	0.150	0.029	0	0	0	0	0	0	NM_028077	RIKEN cDNA 1810055G02 gene (1810055G02Rik), mRNA.	Mme-M200004688	ILMN_2650275	0	0
67705	1810058I24Rik	0.230	-0.104	0.071	0	0	0	0	0	0	XR_005170	PREDICTED: RIKEN cDNA 1810058I24 gene (1810058I24Rik), misc RNA.	Mme-M400013672	ILMN_2474061	0	0
72282	1810062G17Rik	0.106	0.017	-0.148	0	0	0	0	0	0	XM_001475130	PREDICTED: RIKEN cDNA 1810062G17 gene (1810062G17Rik), mRNA.	Mme-M400001026	ILMN_2590627	0	0
69864	1810065E05Rik	-0.207	0.019	-0.037	0	0	0	0	0	0	NM_027239	RIKEN cDNA 1810065E05 gene (1810065E05Rik), mRNA.	Mme-M200014300	ILMN_1241864	0	0
76516	2010001A14Rik	0.096	0.176	-0.093	0	0	0	0	0	0	XM_990840	PREDICTED: RIKEN cDNA 2010001A14 gene (2010001A14Rik), mRNA.	Mme-M400014592	ILMN_1251423	0	0
72045	2010001E11Rik	-0.049	0.008	-0.038	0	0	0	0	0	0	XM_125582	PREDICTED: RIKEN cDNA 2010001E11 gene (2010001E11Rik), mRNA.	Mme-M200013441	ILMN_1229483	0	0
112419	2010002M12Rik	-0.074	0.061	-0.060	0	0	0	0	0	0	NM_053217	RIKEN cDNA 2010002M12 gene (2010002M12Rik), mRNA.	Mme-M300001038	ILMN_2693141	0	0
69861	2010003K11Rik	-0.079	-0.027	-0.055	0	0	0	0	0	0	NM_027237	RIKEN cDNA 2010003K11 gene (2010003K11Rik), mRNA.	Mme-M200004544	ILMN_1220873	0	0
76770	2010005H15Rik	-0.060	-0.134	0.019	0	0	0	0	0	0	NM_029733	RIKEN cDNA 2010005H15 gene (2010005H15Rik), mRNA.	Mme-M400003944	ILMN_1234774	0	0
66439	2010012O05Rik	0.267	-0.006	0.063	0	0	0	0	0	0	NM_025563	RIKEN cDNA 2010012O05 gene (2010012O05Rik), mRNA.	Mme-M200015811	ILMN_2748300	0	0
67715	2010106E10Rik	-0.130	-0.024	-0.018	0	0	0	0	0	0	NM_026333	RIKEN cDNA 2010106E10 gene (2010106E10Rik), mRNA.	Mme-M200014242	ILMN_2612627	0	0
70257	2010107E04Rik	0.178	0.084	-0.041	0	0	0	0	0	0	NM_027360	RIKEN cDNA 2010107E04 gene (2010107E04Rik), mRNA.	Mme-M200000112	ILMN_1239677	0	0
243753	2010107G12Rik	-0.136	-0.040	0.105	0	0	0	0	0	0	NM_001025573	RIKEN cDNA 2010107G12 gene (2010107G12Rik), mRNA.	Mme-M300015425	ILMN_2975295	0	0
69894	2010107G23Rik	-0.172	0.059	0.025	0	0	0	0	0	0	NM_027251	RIKEN cDNA 2010107G23 gene (2010107G23Rik), mRNA.	Mme-M200006151	ILMN_2803564	0	0
75610	2010109A12Rik	-0.017	0.044	0.009	0	0	0	0	0	0	XM_001473772	PREDICTED: RIKEN cDNA 2010109A12 gene (2010109A12Rik), mRNA.	Mme-M200011792	ILMN_2598981	0	0
67038	2010109I03Rik	0.033	0.061	-0.052	0	0	0	0	0	0	NM_025929	RIKEN cDNA 2010109I03 gene (2010109I03Rik), mRNA.	Mme-M200009773	ILMN_2617977	0	0
72061	2010111I01Rik	0.255	0.139	0.036	0	0	0	0	0	0	NM_028079	RIKEN cDNA 2010111I01 gene (2010111I01Rik), mRNA.	Mme-M300002772	ILMN_2838372	0	0
68355	2010204K13Rik	0.211	-0.015	0.045	0	0	0	0	0	0	XR_035367	PREDICTED: RIKEN cDNA 2010204K13 gene (2010204K13Rik), misc RNA.	Mme-M300021184	ILMN_1224576	0	0
72097	2010300C02Rik	0.347	-0.012	-0.180	0	0	0	0	0	0	XM_001476698	PREDICTED: RIKEN cDNA 2010300C02 gene (2010300C02Rik), mRNA.	Mme-M300004930	ILMN_1245276	0	0
69147	2200002J24Rik	-0.401	0.009	-0.062	0	0	0	0	0	0	NM_026961	RIKEN cDNA 2200002J24 gene (2200002J24Rik), mRNA.	Mme-M200014234	ILMN_2670295	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70057	2210008F06Rik	0.408	0.015	-0.162	0	0	0	0	0	0	XM_001002792	PREDICTED: RIKEN cDNA 2210008F06 gene (2210008F06Rik), mRNA.	Mme-M400013286	ILMN_2429915	0	0
67373	2210010C04Rik	0.328	-0.060	0.030	0	0	0	0	0	0	NM_023333	RIKEN cDNA 2210010C04 gene (2210010C04Rik), mRNA.	Mme-M200009695	ILMN_2684115	0	0
70134	2210011C24Rik	-0.003	-0.062	0.009	0	0	0	0	0	0	XM_907367	PREDICTED: RIKEN cDNA 2210011C24 gene (2210011C24Rik), mRNA.	Mme-M200007375	ILMN_2767825	0	0
70123	2210013O21Rik	-0.205	0.004	-0.021	0	0	0	0	0	0	XM_898756	PREDICTED: RIKEN cDNA 2210013O21 gene, transcript variant 2 (2210013O21Rik), mRNA.	Mme-M400004674	ILMN_2750864	0	0
72357	2210016L21Rik	-0.074	0.021	-0.031	0	0	0	0	0	0	NM_028211	RIKEN cDNA 2210016L21 gene (2210016L21Rik), mRNA.	Mme-M300006736	ILMN_2622891	0	0
233545	2210018M11Rik	-0.296	-0.101	-0.082	0	0	0	0	0	0	NM_172280	RIKEN cDNA 2210018M11 gene (2210018M11Rik), mRNA.	Mme-M400001805	ILMN_2521686	0	0
78354	2210407C18Rik	-0.197	0.115	-0.156	0	0	0	0	0	0	NM_144544	RIKEN cDNA 2210407C18 gene (2210407C18Rik), mRNA.	Mme-M200015015	ILMN_1226767	0	0
69542	2300002M23Rik	-0.062	-0.069	-0.028	0	0	0	0	0	0	NM_175148	RIKEN cDNA 2300002M23 gene (2300002M23Rik), mRNA.	Mme-M300012077	ILMN_2683656	0	0
69462	2300005B03Rik	-0.378	0.123	-0.025	0	0	0	0	0	0	NM_001081961	RIKEN cDNA 2300005B03 gene (2300005B03Rik), mRNA.	Mme-M300003400	ILMN_2700364	0	0
69522	2310002D06Rik	-0.285	0.018	0.014	0	0	0	0	0	0	XM_899399	PREDICTED: RIKEN cDNA 2310002D06 gene (2310002D06Rik), mRNA.	Mme-M400013183	ILMN_2470876	0	0
71886	2310002L09Rik	1.045	0.288	-0.234	1	0	0	1	0	0	NM_027104	RIKEN cDNA 2310002L09 gene (2310002L09Rik), mRNA.	Mme-M300006075	ILMN_1214119	1	0
71885	2310003H01Rik	-0.364	-0.117	-0.331	0	0	-1	0	0	0	NM_027980	RIKEN cDNA 2310003H01 gene (2310003H01Rik), mRNA.	Mme-M300004614	ILMN_1238640	0	0
74248	2310003L06Rik	-0.025	0.053	0.053	0	0	0	0	0	0	XM_144408	PREDICTED: RIKEN cDNA 2310003L06 gene (2310003L06Rik), mRNA.	Mme-M300000898	ILMN_2753941	0	0
71874	2310007B03Rik	-0.298	0.031	-0.105	0	0	0	0	0	0	NM_172411	RIKEN cDNA 2310007B03 gene (2310007B03Rik), mRNA.	Mme-M200010454	ILMN_2767039	0	0
66356	2310008H09Rik	-0.216	-0.140	-0.079	0	0	0	0	0	0	NM_023197	RIKEN cDNA 2310008H09 gene (2310008H09Rik), mRNA.	Mme-M300007516	ILMN_2699624	0	0
78329	2310010J17Rik	0.010	-0.051	-0.014	0	0	0	0	0	0	XM_896611	PREDICTED: RIKEN cDNA 2310010J17 gene (2310010J17Rik), mRNA.	Mme-M400015048	ILMN_2454339	0	0
66374	2310011J03Rik	0.110	0.089	0.121	0	0	0	0	0	0	NM_025521	RIKEN cDNA 2310011J03 gene (2310011J03Rik), mRNA.	Mme-M300002018	ILMN_1219918	0	0
381845	2310014L17Rik	-0.063	-0.086	0.071	0	0	0	0	0	0	NM_029809	RIKEN cDNA 2310014L17 gene (2310014L17Rik), mRNA.	Mme-M200011224	ILMN_2959272	0	0
70100	2310015D24Rik	-0.332	0.039	-0.051	0	0	0	0	0	0	XM_001474641	PREDICTED: RIKEN cDNA 2310015D24 gene (2310015D24Rik), mRNA.	Mme-M400013292	ILMN_2719897	0	0
69578	2310016G11Rik	-0.375	0.019	-0.036	0	0	0	0	0	0	XM_001003421	PREDICTED: RIKEN cDNA 2310016G11 gene (2310016G11Rik), mRNA.	Mme-M200010088	ILMN_1253948	0	0
69551	2310022B05Rik	-0.120	0.014	-0.049	0	0	0	0	0	0	NM_175149	RIKEN cDNA 2310022B05 gene (2310022B05Rik), mRNA.	Mme-M300008010	ILMN_1257333	0	0
66952	2310030G06Rik	0.162	0.079	-0.084	0	0	0	0	0	0	NM_025865	RIKEN cDNA 2310030G06 gene (2310030G06Rik), mRNA.	Mme-M200009769	ILMN_2707595	0	0
67862	2310033P09Rik	-0.036	-0.150	-0.259	0	0	0	0	0	0	NM_024210	RIKEN cDNA 2310033P09 gene (2310033P09Rik), mRNA.	Mme-M200013643	ILMN_1232120	0	0
117172	2310034C09Rik	-0.251	0.020	-0.117	0	0	0	0	0	0	NM_054100	RIKEN cDNA 2310034C09 gene (2310034C09Rik), mRNA.	Mme-M200011553	ILMN_1228500	0	0
75579	2310034G01Rik	0.049	-0.010	0.060	0	0	0	0	0	0	XM_001478866	PREDICTED: RIKEN cDNA 2310034G01 gene (2310034G01Rik), mRNA.	Mme-M400004322	ILMN_2495006	0	0
68544	2310036O22Rik	0.051	-0.176	-0.154	0	0	0	0	0	0	NM_026760	RIKEN cDNA 2310036O22 gene (2310036O22Rik), mRNA.	Mme-M300013057	ILMN_1229716	0	0
67101	2310039H08Rik	0.486	-0.147	-0.190	0	0	0	0	0	0	NM_025966	RIKEN cDNA 2310039H08 gene (2310039H08Rik), mRNA.	Mme-M200004812	ILMN_2619836	0	0
381792	2310040G24Rik	0.519	0.180	-0.018	0	0	0	0	0	0	XM_001479091	PREDICTED: RIKEN cDNA 2310040G24 gene (2310040G24Rik), mRNA.	Mme-M400012904	ILMN_2716069	0	0
69657	2310047D07Rik	0.262	0.103	-0.073	0	0	0	0	0	0	XM_975744	PREDICTED: RIKEN cDNA 2310047D07 gene (2310047D07Rik), mRNA.	Mme-M400013216	ILMN_1213569	0	0
71923	2310047M10Rik	0.081	0.145	-0.188	0	0	0	0	0	0	NM_028005	RIKEN cDNA 2310047M10 gene (2310047M10Rik), mRNA.	Mme-M200013660	ILMN_2946608	0	0
66533	2310050C09Rik	0.294	-0.005	0.004	0	0	0	0	0	0	XM_904773	PREDICTED: RIKEN cDNA 2310050C09 gene (2310050C09Rik), mRNA.	Mme-M400012957	ILMN_2656841	0	0
67719	2310057J18Rik	0.059	-0.066	-0.056	0	0	0	0	0	0	NM_026336	RIKEN cDNA 2310057J18 gene (2310057J18Rik), mRNA.	Mme-M200016264	ILMN_1220128	0	0
68277	2310057M21Rik	0.028	-0.027	0.011	0	0	0	0	0	0	NM_026655	RIKEN cDNA 2310057M21 gene (2310057M21Rik), mRNA.	Mme-M200009127	ILMN_2617592	0	0
69696	2310057N15Rik	-0.044	0.002	-0.003	0	0	0	0	0	0	NM_027170	RIKEN cDNA 2310057N15 gene (2310057N15Rik), mRNA.	Mme-M200010092	ILMN_1215300	0	0
69662	2310061I04Rik	-0.001	-0.036	0.048	0	0	0	0	0	0	NM_001033630	RIKEN cDNA 2310061I04 gene (2310061I04Rik), mRNA.	Mme-M300021380	ILMN_2681419	0	0
69661	2310061N02Rik	-0.070	0.061	-0.043	0	0	0	0	0	0	XM_001473644	PREDICTED: RIKEN cDNA 2310061N02 gene (2310061N02Rik), mRNA.	Mme-M200015024	ILMN_2649464	0	0
71947	2310067B10Rik	0.041	0.208	0.049	0	0	0	0	0	0	NM_028014	RIKEN cDNA 2310067B10 gene (2310067B10Rik), mRNA.	Mme-M200004583	ILMN_1245489	0	0
69699	2310079G19Rik	-0.003	-0.088	0.027	0	0	0	0	0	0	XM_484566	PREDICTED: RIKEN cDNA 2310079G19 gene (2310079G19Rik), mRNA.	Mme-M200010093	ILMN_2694562	0	0
66421	2410004B18Rik	-0.403	-0.046	0.103	0	0	0	0	0	0	NM_025555	RIKEN cDNA 2410004B18 gene (2410004B18Rik), mRNA.	Mme-M200005053	ILMN_2639035	0	0
69221	2410006H16Rik	0.163	0.037	-0.118	0	0	0	0	0	0	XM_001479267	PREDICTED: RIKEN cDNA 2410006H16 gene (2410006H16Rik), mRNA.	Mme-M400013109	ILMN_1231490	0	0
224904	2410015M20Rik	0.136	-0.002	-0.063	0	0	0	0	0	0	NM_153152	RIKEN cDNA 2410015M20 gene (2410015M20Rik), mRNA.	Mme-M300020485	ILMN_1230931	0	0
71952	2410016O06Rik	-0.174	-0.116	-0.070	0	0	0	0	0	0	NM_023633	RIKEN cDNA 2410016O06 gene (2410016O06Rik), mRNA.	Mme-M200007071	ILMN_2772027	0	0
78650	2410088K16Rik	-0.470	-0.091	-0.007	0	0	0	0	0	0	XM_001473750	PREDICTED: RIKEN cDNA 2410088K16 gene (2410088K16Rik), mRNA.	Mme-M400015132	ILMN_2606937	0	0
73692	2410089E03Rik	0.020	-0.247	0.203	0	0	0	0	0	0	XR_001543	PREDICTED: RIKEN cDNA 2410089E03 gene (2410089E03Rik), misc RNA.	Mme-M400002881	ILMN_1238050	0	0
76785	2410124H12Rik	-0.545	0.077	-0.080	0	0	0	0	0	0	XM_001473308	PREDICTED: RIKEN cDNA 2410124H12 gene (2410124H12Rik), mRNA.	Mme-M300021942	ILMN_1247719	0	0
67383	2410127L17Rik	0.403	-0.184	-0.179	0	0	0	0	0	0	NM_026120	RIKEN cDNA 2410127L17 gene (2410127L17Rik), mRNA.	Mme-M400009636	ILMN_3022895	0	0
76792	2410131K14Rik	-0.042	0.151	-0.069	0	0	0	0	0	0	NM_001081236	RIKEN cDNA 2410131K14 gene (2410131K14Rik), mRNA.	Mme-M200008520	ILMN_1255447	0	0
76797	2410137M14Rik	-0.127	-0.158	0.053	0	0	0	0	0	0	NM_029747	RIKEN cDNA 2410137M14 gene (2410137M14Rik), mRNA.	Mme-M300004147	ILMN_2739645	0	0
72307	2510002D24Rik	0.161	-0.081	-0.054	0	0	0	0	0	0	NM_001033164	RIKEN cDNA 2510002D24 gene (2510002D24Rik), mRNA.	Mme-M400003409	ILMN_2648486	0	0
72320	2510003E04Rik	-0.125	-0.186	0.100	0	0	0	0	0	0	NM_028197	RIKEN cDNA 2510003E04 gene (2510003E04Rik), mRNA.	Mme-M400008716	ILMN_1255236	0	0
72190	2510009E07Rik	-0.205	-0.072	-0.166	0	0	0	0	0	0	NM_001001881	RIKEN cDNA 2510009E07 gene (2510009E07Rik), mRNA.	Mme-M300014465	ILMN_3052390	0	0
77034	2510039O18Rik	0.178	-0.011	-0.139	0	0	0	0	0	0	NM_029841	RIKEN cDNA 2510039O18 gene (2510039O18Rik), mRNA.	Mme-M200012134	ILMN_2719924	0	0
67513	2610002J02Rik	-0.514	0.125	-0.160	0	0	0	0	0	0	NM_001033134	RIKEN cDNA 2610002J02 gene (2610002J02Rik), mRNA.	Mme-M400006290	ILMN_2736360	0	0
67028	2610002M06Rik	0.341	0.102	0.119	0	0	0	0	0	0	NM_025921	RIKEN cDNA 2610002M06 gene (2610002M06Rik), mRNA.	Mme-M200007922	ILMN_2630362	0	0
72128	2610008E11Rik	0.256	-0.097	0.062	0	0	0	0	0	0	NM_001004362	RIKEN cDNA 2610008E11 gene (2610008E11Rik), mRNA.	Mme-M400007193	ILMN_2766096	0	0
212153	2610015P09Rik	0.145	-0.049	-0.012	0	0	0	0	0	0	XM_915882	PREDICTED: RIKEN cDNA 2610015P09 gene (2610015P09Rik), mRNA.	Mme-M400000601	ILMN_1234076	0	0
434234	2610020H08Rik	0.179	-0.036	0.182	0	0	0	0	0	0	NM_001004187	RIKEN cDNA 2610020H08 gene (2610020H08Rik), transcript variant 1, mRNA.	Mme-M300007504	ILMN_3143621	0	0
76964	2610028H24Rik	0.006	0.030	0.033	0	0	0	0	0	0	NM_029816	RIKEN cDNA 2610028H24 gene (2610028H24Rik), mRNA.	Mme-M200007758	ILMN_3005431	0	0
70420	2610034B18Rik	-0.111	0.000	-0.023	0	0	0	0	0	0	NM_027420	RIKEN cDNA 2610034B18 gene (2610034B18Rik), mRNA.	Mme-M300011900	ILMN_1242814	0	0
72139	2610044O15Rik8	0.256	-0.147	-0.092	0	0	0	0	0	0	NM_153780	RIKEN cDNA 2610044O15 gene (2610044O15Rik), mRNA.	Mme-M200016281	ILMN_1260441	0	0
72495	2610206C17Rik	-0.368	0.044	-0.031	0	0	0	0	0	0	XM_895846	PREDICTED: RIKEN cDNA 2610206C17 gene (2610206C17Rik), mRNA.	Mme-M400004583	ILMN_2706739	0	0
67157	2610301B20Rik	-0.042	0.065	0.108	0	0	0	0	0	0	NM_026005	RIKEN cDNA 2610301B20 gene (2610301B20Rik), mRNA.	Mme-M200004738	ILMN_2731228	0	0
112422	2610305D13Rik	-0.115	0.025	-0.041	0	0	0	0	0	0	NM_145078	RIKEN cDNA 2610305D13 gene (2610305D13Rik), mRNA.	Mme-M400001942	ILMN_2998406	0	0
70458	2610318N02Rik	0.286	0.062	-0.072	0	0	0	0	0	0	NM_183287	RIKEN cDNA 2610318N02 gene (2610318N02Rik), mRNA.	Mme-M400003622	ILMN_1216407	0	0
72503	2610507B11Rik	-0.037	0.122	-0.204	0	0	0	0	0	0	NM_001002004	RIKEN cDNA 2610507B11 gene (2610507B11Rik), mRNA.	Mme-M200007836	ILMN_3014965	0	0
330173	2610524H06Rik	0.013	0.055	-0.196	0	0	0	0	0	0	NM_181075	RIKEN cDNA 2610524H06 gene (2610524H06Rik), mRNA.	Mme-M300018590	ILMN_1225123	0	0
70045	2610528A11Rik	0.085	0.101	0.004	0	0	0	0	0	0	XM_980662	PREDICTED: RIKEN cDNA 2610528A11 gene (2610528A11Rik), mRNA.	Mme-M400013282	ILMN_1222219	0	0
66451	2610528J11Rik	0.365	-0.065	0.075	0	0	0	0	0	0	NM_025572	RIKEN cDNA 2610528J11 gene (2610528J11Rik), mRNA.	Mme-M200007576	ILMN_1221084	0	0
78449	2700046A07Rik	-0.369	-0.089	-0.043	0	0	0	0	0	0	XM_984603	PREDICTED: RIKEN cDNA 2700046A07 gene (2700046A07Rik), mRNA.	Mme-M400009093	ILMN_1214052	0	0
67188	2700046G09Rik	0.235	-0.153	0.130	0	0	0	0	0	0	XR_035347	PREDICTED: RIKEN cDNA 2700046G09 gene (2700046G09Rik), misc RNA.	Mme-M200009785	ILMN_1256315	0	0
76967	2700049A03Rik	0.048	-0.246	-0.084	0	0	0	0	0	0	XM_916714	PREDICTED: RIKEN cDNA 2700049A03 gene (2700049A03Rik), mRNA.	Mme-M200003078	ILMN_2668630	0	0
68045	2700060E02Rik	0.044	-0.031	-0.016	0	0	0	0	0	0	NM_026528	RIKEN cDNA 2700060E02 gene (2700060E02Rik), mRNA.	Mme-M300002960	ILMN_1225213	0	0
68046	2700062C07Rik	-0.130	-0.149	-0.082	0	0	0	0	0	0	NM_026529	RIKEN cDNA 2700062C07 gene (2700062C07Rik), mRNA.	Mme-M300004023	ILMN_2847285	0	0
108899	2700081O15Rik	-0.008	0.038	-0.104	0	0	0	0	0	0	NM_175381	RIKEN cDNA 2700081O15 gene (2700081O15Rik), mRNA.	Mme-M400004331	ILMN_1214482	0	0
72657	2700094K13Rik	0.205	-0.133	-0.155	0	0	0	0	0	0	NM_001037279	RIKEN cDNA 2700094K13 gene (2700094K13Rik), transcript variant 2, mRNA.	Mme-M400004766	ILMN_3088934	0	0
72658	2700097O09Rik	-0.120	-0.188	0.103	0	0	0	0	0	0	NM_028314	RIKEN cDNA 2700097O09 gene (2700097O09Rik), mRNA.	Mme-M200015038	ILMN_1252210	0	0
66523	2810004N23Rik	0.032	-0.078	0.084	0	0	0	0	0	0	NM_025615	RIKEN cDNA 2810004N23 gene (2810004N23Rik), mRNA.	Mme-M300008011	ILMN_2994063	0	0
72650	2810006K23Rik	-0.299	0.017	-0.058	0	0	0	0	0	0	NM_028310	RIKEN cDNA 2810006K23 gene (2810006K23Rik), mRNA.	Mme-M400009379	ILMN_2941081	0	0
76971	2810007J24Rik	-0.246	0.010	0.012	0	0	0	0	0	0	NM_175250	RIKEN cDNA 2810007J24 gene (2810007J24Rik), mRNA.	Mme-M400001255	ILMN_2655184	0	0
69944	2810021J22Rik	-0.105	-0.136	-0.049	0	0	0	0	0	0	NM_172403	RIKEN cDNA 2810021J22 gene (2810021J22Rik), mRNA.	Mme-M300002221	ILMN_1249385	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
69953	2810025M15Rik	0.139	-0.027	-0.015	0	0	0	0	0	0	XR_035184	PREDICTED: RIKEN cDNA 2810025M15 gene (2810025M15Rik), misc RNA.	Mme-M200006617	ILMN_1213985	0	0
72669	2810032G03Rik	-0.035	-0.061	0.049	0	0	0	0	0	0	XR_035203	PREDICTED: RIKEN cDNA 2810032G03 gene (2810032G03Rik), misc RNA.	Mme-M200002932	ILMN_1258190	0	0
72665	2810039B14Rik	-0.170	0.036	-0.098	0	0	0	0	0	0	XM_001475872	PREDICTED: RIKEN cDNA 2810039B14 gene (2810039B14Rik), mRNA.	Mme-M400013821	ILMN_2715371	0	0
74200	2810403A07Rik	0.136	0.008	0.008	0	0	0	0	0	0	NM_028814	RIKEN cDNA 2810403A07 gene (2810403A07Rik), mRNA.	Mme-M200006028	ILMN_1227212	0	0
70419	2810408A11Rik	-0.177	-0.086	-0.034	0	0	0	0	0	0	NM_027419	RIKEN cDNA 2810408A11 gene (2810408A11Rik), mRNA.	Mme-M400000295	ILMN_2775037	0	0
381406	2810408M09Rik	-0.020	-0.170	0.109	0	0	0	0	0	0	NM_001007581	RIKEN cDNA 2810408M09 gene (2810408M09Rik), mRNA.	Mme-M300012332	ILMN_2448839	0	0
68026	2810417H13Rik	0.003	0.150	0.088	0	0	0	0	0	0	NM_026515	RIKEN cDNA 2810417H13 gene (2810417H13Rik), mRNA.	Mme-M200014316	ILMN_1223045	0	0
66462	2810428I15Rik	0.216	-0.009	-0.058	0	0	0	0	0	0	NM_025577	RIKEN cDNA 2810428I15 gene (2810428I15Rik), mRNA.	Mme-M200005904	ILMN_2749143	0	0
67246	2810474O19Rik	0.457	-0.197	0.171	0	0	0	0	0	0	NM_026054	RIKEN cDNA 2810474O19 gene (2810474O19Rik), mRNA.	Mme-M300008398	ILMN_2596077	0	0
67254	2900011O08Rik	-0.072	0.352	0.050	0	0	0	0	0	0	NM_144518	RIKEN cDNA 2900011O08 gene (2900011O08Rik), mRNA.	Mme-M200011821	ILMN_1217298	0	0
243219	2900026A02Rik	-0.076	0.071	-0.047	0	0	0	0	0	0	NM_172884	RIKEN cDNA 2900026A02 gene (2900026A02Rik), mRNA.	Mme-M300021988	ILMN_1251935	0	0
73090	2900092C05Rik	-0.070	-0.042	-0.064	0	0	0	0	0	0	NM_028434	RIKEN cDNA 2900092C05 gene (2900092C05Rik), mRNA.	Mme-M400001261	ILMN_3004538	0	0
68067	3010026O09Rik	0.021	0.016	-0.140	0	0	0	0	0	0	NM_026543	RIKEN cDNA 3010026O09 gene (3010026O09Rik), mRNA.	Mme-M200013749	ILMN_1247302	0	0
66598	3110001I22Rik	0.212	-0.049	-0.016	0	0	0	0	0	0	NM_025653	RIKEN cDNA 3110001I22 gene (3110001I22Rik), mRNA.	Mme-M200008021	ILMN_1257141	0	0
76482	3110002H16Rik	-0.255	0.254	0.104	0	0	0	0	0	0	NM_029623	RIKEN cDNA 3110002H16 gene (3110002H16Rik), mRNA.	Mme-M200012715	ILMN_1250418	0	0
73103	3110009E18Rik	-0.221	-0.068	-0.017	0	0	0	0	0	0	NM_028439	RIKEN cDNA 3110009E18 gene (3110009E18Rik), mRNA.	Mme-M300005072	ILMN_1235047	0	0
67289	3110021A11Rik	-0.089	-0.007	0.148	0	0	0	0	0	0	XM_001479998	PREDICTED: RIKEN cDNA 3110021A11 gene (3110021A11Rik), mRNA.	Mme-M200014325	ILMN_2464201	0	0
76982	3110035E14Rik	0.808	0.403	0.122	1	0	0	0	0	0	NM_178399	RIKEN cDNA 3110035E14 gene (3110035E14Rik), mRNA.	Mme-M400012474	ILMN_1252821	0	0
67290	3110040N11Rik	0.112	0.008	-0.208	0	0	0	0	0	0	NM_026077	RIKEN cDNA 3110040N11 gene (3110040N11Rik), mRNA.	Mme-M200002580	ILMN_1255496	0	0
73205	3110043O21Rik	0.023	0.111	0.018	0	0	0	0	0	0	NM_001081343	RIKEN cDNA 3110043O21 gene (3110043O21Rik), mRNA.	Mme-M200000181	ILMN_2438727	0	0
73212	3110082I17Rik	0.063	0.072	-0.098	0	0	0	0	0	0	NM_028469	RIKEN cDNA 3110082I17 gene (3110082I17Rik), mRNA.	Mme-M400011644	ILMN_2767057	0	0
69277	3300002I08Rik	0.138	0.072	-0.018	0	0	0	0	0	0	NM_027017	RIKEN cDNA 3300002I08 gene (3300002I08Rik), mRNA.	Mme-M300000983	ILMN_1238502	0	0
78512	3300005D01Rik	-0.339	0.051	-0.044	0	0	0	0	0	0	XM_987107	PREDICTED: RIKEN cDNA 3300005D01 gene (3300005D01Rik), mRNA.	Mme-M400012864	ILMN_1246953	0	0
70691	3830403N18Rik	-0.111	0.055	-0.039	0	0	0	0	0	0	NM_027510	RIKEN cDNA 3830403N18 gene (3830403N18Rik), mRNA.	Mme-M400001338	ILMN_2640202	0	0
218734	3830406C13Rik	0.156	-0.113	0.138	0	0	0	0	0	0	NM_178141	RIKEN cDNA 3830406C13 gene (3830406C13Rik), transcript variant 2, mRNA.	Mme-M300008595	ILMN_3154231	0	0
70696	3830417A13Rik	-0.221	-0.002	0.008	0	0	0	0	0	0	NM_027512	RIKEN cDNA 3830417A13 gene (3830417A13Rik), mRNA.	Mme-M200014783	ILMN_2607348	0	0
381218	4430402I18Rik	-0.240	0.029	-0.087	0	0	0	0	0	0	NM_198651	RIKEN cDNA 4430402I18 gene (4430402I18Rik), mRNA.	Mme-M400009131	ILMN_2719487	0	0
74347	4632415K11Rik	-0.219	-0.025	-0.020	0	0	0	0	0	0	NM_028883	RIKEN cDNA 4632415K11 gene (4632415K11Rik), mRNA.	Mme-M400001645	ILMN_2647427	0	0
666737	4632427E13Rik	-0.346	-0.011	0.035	0	0	0	0	0	0	XR_035233	PREDICTED: RIKEN cDNA 4632427E13 gene (4632427E13Rik), misc RNA.	Mme-M400013623	ILMN_1240009	0	0
74048	4632428N05Rik	0.187	0.205	0.037	0	0	0	0	0	0	NM_028732	RIKEN cDNA 4632428N05 gene (4632428N05Rik), mRNA.	Mme-M200007447	ILMN_2651297	0	0
239673	4732456N10Rik	0.002	-0.051	-0.026	0	0	0	0	0	0	NM_177717	RIKEN cDNA 4732456N10 gene (4732456N10Rik), mRNA.	Mme-M300019479	ILMN_1250860	0	0
67392	4833420G17Rik	0.102	-0.119	0.098	0	0	0	0	0	0	NM_001113550	RIKEN cDNA 4833420G17 gene (4833420G17Rik), transcript variant 2, mRNA.	Mme-M400011536	ILMN_1223318	0	0
235345	4833427G06Rik	0.028	-0.017	-0.060	0	0	0	0	0	0	NM_177702	RIKEN cDNA 4833427G06 gene (4833427G06Rik), mRNA.	Mme-M200015343	ILMN_2737496	0	0
97820	4833439L19Rik	-0.112	-0.182	0.246	0	0	0	0	0	0	NM_133797	RIKEN cDNA 4833439L19 gene (4833439L19Rik), mRNA.	Mme-M400008886	ILMN_1225503	0	0
74042	4921501E09Rik	-0.191	-0.033	0.046	0	0	0	0	0	0	NM_001009544	RIKEN cDNA 4921501E09 gene (4921501E09Rik), mRNA.	Mme-M200015666	ILMN_2833993	0	0
70909	4921504E06Rik	-0.359	0.059	-0.018	0	0	0	0	0	0	NM_027600	RIKEN cDNA 4921504E06 gene (4921504E06Rik), mRNA.	Mme-M200012590	ILMN_2691910	0	0
70846	4921506M07Rik	-0.082	0.030	-0.064	0	0	0	0	0	0	NM_001037743	RIKEN cDNA 4921506M07 gene (4921506M07Rik), mRNA.	Mme-M400003656	ILMN_1226012	0	0
70821	4921507P07Rik	-0.095	0.022	-0.011	0	0	0	0	0	0	NM_027564	RIKEN cDNA 4921507P07 gene (4921507P07Rik), mRNA.	Mme-M200009922	ILMN_1253347	0	0
381393	4921509C19Rik	-0.423	-0.062	0.043	0	0	0	0	0	0	NM_198655	RIKEN cDNA 4921509C19 gene (4921509C19Rik), mRNA.	Mme-M400007407	ILMN_2646744	0	0
245598	4921511C20Rik	-0.106	0.023	0.018	0	0	0	0	0	0	NR_003646	RIKEN cDNA 4921511C20 gene (4921511C20Rik) on chromosome X.	Mme-M300020538	ILMN_1257893	0	0
70920	4921511H03Rik	-0.038	0.025	0.009	0	0	0	0	0	0	NM_027603	RIKEN cDNA 4921511H03 gene (4921511H03Rik), mRNA.	Mme-M200010236	ILMN_2911237	0	0
70900	4921517D22Rik	-0.047	0.033	0.123	0	0	0	0	0	0	NM_183290	RIKEN cDNA 4921517D22 gene (4921517D22Rik), mRNA.	Mme-M200015353	ILMN_1228780	0	0
70901	4921524L21Rik	-0.052	-0.056	0.048	0	0	0	0	0	0	XM_896291	PREDICTED: RIKEN cDNA 4921524L21 gene, transcript variant 2 (4921524L21Rik), mRNA.	Mme-M200010229	ILMN_2644412	0	0
66732	4921530L21Rik	-0.045	-0.047	0.087	0	0	0	0	0	0	NM_025733	RIKEN cDNA 4921530L21 gene (4921530L21Rik), mRNA.	Mme-M200015397	ILMN_2840313	0	0
67430	4921536K21Rik	-0.017	0.017	-0.068	0	0	0	0	0	0	NM_026150	RIKEN cDNA 4921536K21 gene (4921536K21Rik), mRNA.	Mme-M200014270	ILMN_2876359	0	0
70941	4921539E11Rik	-0.097	-0.037	-0.005	0	0	0	0	0	0	XM_001473197	PREDICTED: RIKEN cDNA 4921539E11 gene (4921539E11Rik), mRNA.	Mme-M200010243	ILMN_2651280	0	0
381816	4922502D21Rik	-0.154	0.004	-0.009	0	0	0	0	0	0	NM_199034	RIKEN cDNA 4922502D21 gene (4922502D21Rik), mRNA.	Mme-M300018554	ILMN_2593944	0	0
74854	4930402F06Rik	-0.242	0.079	0.089	0	0	0	0	0	0	NM_001080709	RIKEN cDNA 4930402F06 gene (4930402F06Rik), mRNA.	Mme-M400007048	ILMN_1222107	0	0
228602	4930402H24Rik	-0.288	0.100	0.166	0	0	0	0	0	0	NM_029432	RIKEN cDNA 4930402H24 gene (4930402H24Rik), mRNA.	Mme-M300005575	ILMN_1218703	0	0
75775	4930402K13Rik	-0.076	0.038	-0.031	0	0	0	0	0	0	XM_135594	PREDICTED: RIKEN cDNA 4930402K13 gene (4930402K13Rik), mRNA.	Mme-M200014687	ILMN_2767852	0	0
432479	4930404N11Rik	0.047	-0.121	-0.060	0	0	0	0	0	0	NM_001014836	RIKEN cDNA 4930404N11 gene (4930404N11Rik), mRNA.	Mme-M200012073	ILMN_2898729	0	0
328573	4930407I10Rik	-0.290	-0.020	0.033	0	0	0	0	0	0	XM_986904	PREDICTED: RIKEN cDNA 4930407I10 gene (4930407I10Rik), mRNA.	Mme-M400001326	ILMN_1257654	0	0
73934	4930412D23Rik	-0.420	0.080	0.100	0	0	0	0	0	0	XM_001473476	PREDICTED: RIKEN cDNA 4930412D23 gene (4930412D23Rik), mRNA.	Mme-M400002769	ILMN_2651848	0	0
73951	4930413G21Rik	-0.179	-0.064	-0.013	0	0	0	0	0	0	XM_001478471	PREDICTED: RIKEN cDNA 4930413G21 gene (4930413G21Rik), mRNA.	Mme-M400014125	ILMN_1240432	0	0
73862	4930415F15Rik	-0.033	-0.129	-0.044	0	0	0	0	0	0	XM_203398	PREDICTED: RIKEN cDNA 4930415F15 gene (4930415F15Rik), mRNA.	Mme-M200010663	ILMN_2679749	0	0
245511	4930415L06Rik	-0.066	-0.111	0.045	0	0	0	0	0	0	NR_003621	RIKEN cDNA 4930415L06 gene (4930415L06Rik) on chromosome X.	Mme-M400001803	ILMN_2879121	0	0
73863	4930415O20Rik	-0.165	-0.008	-0.062	0	0	0	0	0	0	XM_128114	PREDICTED: RIKEN cDNA 4930415O20 gene (4930415O20Rik), mRNA.	Mme-M200015193	ILMN_1227811	0	0
104732	4930427A07Rik	-0.256	-0.046	-0.179	0	0	0	0	0	0	NM_134041	RIKEN cDNA 4930427A07 gene (4930427A07Rik), mRNA.	Mme-M200016078	ILMN_1217337	0	0
67576	4930429B21Rik	0.276	-0.097	-0.089	0	0	0	0	0	0	XR_035316	PREDICTED: RIKEN cDNA 4930429B21 gene (4930429B21Rik), misc RNA.	Mme-M200016154	ILMN_2688663	0	0
67575	4930430A15Rik	0.016	-0.032	0.001	0	0	0	0	0	0	NM_026248	RIKEN cDNA 4930430A15 gene (4930430A15Rik), mRNA.	Mme-M300005487	ILMN_2732737	0	0
78109	4930430J20Rik	-0.386	-0.077	-0.004	0	0	0	0	0	0	XM_001474455	PREDICTED: RIKEN cDNA 4930430J20 gene (4930430J20Rik), mRNA.	Mme-M200011422	ILMN_2435354	0	0
243900	4930432E11Rik	0.016	-0.089	0.066	0	0	0	0	0	0	XR_035403	PREDICTED: RIKEN cDNA 4930432E11 gene (4930432E11Rik), misc RNA.	Mme-M300017825	ILMN_1260349	0	0
74666	4930432K21Rik	-0.073	0.055	-0.011	0	0	0	0	0	0	NM_029045	RIKEN cDNA 4930432K21 gene (4930432K21Rik), mRNA.	Mme-M200007385	ILMN_2672745	0	0
243944	4930433I11Rik	0.089	0.045	0.099	0	0	0	0	0	0	NM_207248	RIKEN cDNA 4930433I11 gene (4930433I11Rik), mRNA.	Mme-M300019828	ILMN_2599632	0	0
114673	4930433N12Rik	-0.157	-0.077	0.013	0	0	0	0	0	0	XR_035187	PREDICTED: RIKEN cDNA 4930433N12 gene (4930433N12Rik), misc RNA.	Mme-M200013149	ILMN_2701920	0	0
74663	4930435E12Rik	-0.338	0.102	-0.018	0	0	0	0	0	0	XM_156106	PREDICTED: RIKEN cDNA 4930435E12 gene (4930435E12Rik), mRNA.	Mme-M400000609	ILMN_1238782	0	0
73988	4930438A08Rik	-0.154	-0.034	-0.043	0	0	0	0	0	0	XM_001474470	PREDICTED: RIKEN cDNA 4930438A08 gene (4930438A08Rik), mRNA.	Mme-M200015483	ILMN_2760095	0	0
74892	4930447A16Rik	-0.021	-0.054	0.003	0	0	0	0	0	0	XM_891521	PREDICTED: RIKEN cDNA 4930447A16 gene (4930447A16Rik), mRNA.	Mme-M200008715	ILMN_2521618	0	0
75801	4930447C04Rik	0.586	0.019	-0.064	0	0	0	0	0	0	NM_029444	Six6 opposite strand transcript 1 (Six6os1), mRNA.	Mme-M200008716	ILMN_1248719	0	0
67410	4930449I24Rik	-0.330	-0.051	0.132	0	0	0	0	0	0	NM_026136	RIKEN cDNA 4930449I24 gene (4930449I24Rik), mRNA.	Mme-M400011538	ILMN_2933982	0	0
74684	4930451G09Rik	-0.202	0.101	-0.085	0	0	0	0	0	0	XR_034499	PREDICTED: RIKEN cDNA 4930451G09 gene (4930451G09Rik), misc RNA.	Mme-M200014168	ILMN_2757459	0	0
78118	4930451I11Rik	-0.201	0.082	-0.060	0	0	0	0	0	0	NM_183131	RIKEN cDNA 4930451I11 gene (4930451I11Rik), mRNA.	Mme-M300016909	ILMN_2682763	0	0
74430	4930452B06Rik	0.046	-0.021	-0.040	0	0	0	0	0	0	NM_028934	RIKEN cDNA 4930452B06 gene (4930452B06Rik), mRNA.	Mme-M200012674	ILMN_2752300	0	0
71650	4930456L15Rik	-0.178	-0.008	-0.002	0	0	0	0	0	0	XR_002342	PREDICTED: RIKEN cDNA 4930456L15 gene (4930456L15Rik), misc RNA.	Mme-M200010436	ILMN_2524281	0	0
67640	4930465K10Rik	-0.405	0.027	0.029	0	0	0	0	0	0	XR_002327	PREDICTED: RIKEN cDNA 4930465K10 gene (4930465K10Rik), misc RNA.	Mme-M400011551	ILMN_1252934	0	0
74987	4930468A15Rik	0.337	-0.043	-0.006	0	0	0	0	0	0	XM_135954	PREDICTED: RIKEN cDNA 4930468A15 gene (4930468A15Rik), mRNA.	Mme-M400004963	ILMN_2700954	0	0
75815	4930470H14Rik	-0.115	-0.005	0.033	0	0	0	0	0	0	XM_001474786	PREDICTED: RIKEN cDNA 4930470H14 gene (4930470H14Rik), mRNA.	Mme-M300021156	ILMN_2739956	0	0
67637	4930470P17Rik	0.045	0.047	0.126	0	0	0	0	0	0	XR_035478	PREDICTED: RIKEN cDNA 4930470P17 gene (4930470P17Rik), misc RNA.	Mme-M200010019	ILMN_2758904	0	0
218921	4930474N05Rik	-0.190	0.090	-0.014	0	0	0	0	0	0	NM_175008	RIKEN cDNA 4930474N05 gene (4930474N05Rik), mRNA.	Mme-M300020287	ILMN_1219913	0	0
74910	4930480E11Rik	0.116	0.120	-0.029	0	0	0	0	0	0	XM_135942	PREDICTED: RIKEN cDNA 4930480E11 gene (4930480E11Rik), mRNA.	Mme-M400001833	ILMN_2721584	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
74931	4930481A15Rik	-0.169	0.046	0.013	0	0	0	0	0	0	XM_001474642	PREDICTED: RIKEN cDNA 4930481A15 gene (4930481A15Rik), mRNA.	Mme-M400014287	ILMN_1248737	0	0
380654	4930485B16Rik	-0.289	-0.060	0.083	0	0	0	0	0	0	XM_989129	PREDICTED: RIKEN cDNA 4930485B16 gene (4930485B16Rik), mRNA.	Mme-M400000353	ILMN_2626659	0	0
214639	4930486L24Rik	-0.258	0.219	-0.052	0	0	0	0	0	0	NM_178098	RIKEN cDNA 4930486L24 gene (4930486L24Rik), mRNA.	Mme-M300021046	ILMN_2698334	0	0
75013	4930502E18Rik	0.162	0.056	0.043	0	0	0	0	0	0	NM_029142	RIKEN cDNA 4930502E18 gene (4930502E18Rik), mRNA.	Mme-M400005225	ILMN_2858477	0	0
75015	4930503B20Rik	-0.444	-0.021	0.049	0	0	0	0	0	0	NM_029144	RIKEN cDNA 4930503B20 gene (4930503B20Rik), mRNA.	Mme-M200015846	ILMN_2500943	0	0
74954	4930503E14Rik	-0.016	-0.033	-0.057	0	0	0	0	0	0	NM_029131	RIKEN cDNA 4930503E14 gene (4930503E14Rik), mRNA.	Mme-M400001854	ILMN_2712936	0	0
75030	4930503E24Rik	0.037	-0.033	-0.022	0	0	0	0	0	0	XR_001545	PREDICTED: RIKEN cDNA 4930503E24 gene (4930503E24Rik), misc RNA.	Mme-M200010915	ILMN_2475129	0	0
269033	4930503L19Rik	-0.112	-0.138	0.018	0	0	0	0	0	0	NM_172967	RIKEN cDNA 4930503L19 gene (4930503L19Rik), mRNA.	Mme-M300015890	ILMN_1231151	0	0
403200	4930504O13Rik	-0.035	0.032	-0.056	0	0	0	0	0	0	NM_207527	RIKEN cDNA 4930504O13 gene (4930504O13Rik), mRNA.	Mme-M400004197	ILMN_2694606	0	0
71653	4930506M07Rik	-0.158	-0.110	0.177	0	0	0	0	0	0	NM_175172	RIKEN cDNA 4930506M07 gene (4930506M07Rik), transcript variant 2, mRNA.	Mme-M200007929	ILMN_2944657	0	0
75115	4930509E16Rik	-0.165	-0.026	-0.005	0	0	0	0	0	0	XM_001475016	PREDICTED: RIKEN cDNA 4930509E16 gene (4930509E16Rik), mRNA.	Mme-M400014325	ILMN_2640937	0	0
75084	4930511M06Rik	0.099	0.010	-0.008	0	0	0	0	0	0	XM_901621	PREDICTED: RIKEN cDNA 4930511M06 gene (4930511M06Rik), mRNA.	Mme-M400014313	ILMN_2480705	0	0
75125	4930513O06Rik	0.278	-0.029	-0.071	0	0	0	0	0	0	XM_136059	PREDICTED: RIKEN cDNA 4930513O06 gene (4930513O06Rik), mRNA.	Mme-M200011884	ILMN_1214144	0	0
67642	4930515G01Rik	-0.204	0.023	0.020	0	0	0	0	0	0	XR_035131	PREDICTED: RIKEN cDNA 4930515G01 gene (4930515G01Rik), misc RNA.	Mme-M400004269	ILMN_2749719	0	0
75070	4930515G16Rik	-0.042	0.012	0.065	0	0	0	0	0	0	NR_003100	RIKEN cDNA 4930515G16 gene (4930515G16Rik) on chromosome 6.	Mme-M400014312	ILMN_1226493	0	0
75106	4930519F16Rik	-0.059	0.049	-0.037	0	0	0	0	0	0	NM_029170	RIKEN cDNA 4930519F16 gene (4930519F16Rik), mRNA.	Mme-M300007675	ILMN_2812960	0	0
67593	4930519G04Rik	-0.248	-0.118	0.147	0	0	0	0	0	0	NM_026263	RIKEN cDNA 4930519G04 gene (4930519G04Rik), mRNA.	Mme-M300006739	ILMN_2658753	0	0
75058	4930519H02Rik	-0.188	-0.055	-0.081	0	0	0	0	0	0	XM_001476319	PREDICTED: RIKEN cDNA 4930519H02 gene (4930519H02Rik), mRNA.	Mme-M400014310	ILMN_2619340	0	0
75086	4930520P13Rik	-0.110	0.026	-0.033	0	0	0	0	0	0	XM_895765	PREDICTED: RIKEN cDNA 4930520P13 gene (4930520P13Rik), mRNA.	Mme-M400014314	ILMN_1254912	0	0
67646	4930522H14Rik	-0.094	-0.001	-0.024	0	0	0	0	0	0	NM_026291	RIKEN cDNA 4930522H14 gene (4930522H14Rik), mRNA.	Mme-M300009364	ILMN_2720901	0	0
78180	4930522O17Rik	0.104	-0.041	-0.043	0	0	0	0	0	0	XM_898933	PREDICTED: RIKEN cDNA 4930522O17 gene (4930522O17Rik), mRNA.	Mme-M300017046	ILMN_2421363	0	0
67592	4930524B15Rik	0.042	0.019	0.061	0	0	0	0	0	0	NM_026262	RIKEN cDNA 4930524B15 gene (4930524B15Rik), mRNA.	Mme-M200015498	ILMN_2695208	0	0
75071	4930524N10Rik	-0.174	0.019	0.014	0	0	0	0	0	0	XR_001580	PREDICTED: RIKEN cDNA 4930524N10 gene (4930524N10Rik), misc RNA.	Mme-M400006912	ILMN_1249012	0	0
75164	4930527J03Rik	-0.141	0.019	0.030	0	0	0	0	0	0	XM_919429	PREDICTED: RIKEN cDNA 4930527J03 gene (4930527J03Rik), mRNA.	Mme-M400014334	ILMN_1214013	0	0
67735	4930528A17Rik	0.058	0.089	-0.087	0	0	0	0	0	0	XM_001474525	PREDICTED: RIKEN cDNA 4930528A17 gene (4930528A17Rik), mRNA.	Mme-M400003354	ILMN_1231706	0	0
78774	4930529M08Rik	-0.327	-0.028	0.011	0	0	0	0	0	0	NM_175280	RIKEN cDNA 4930529M08 gene (4930529M08Rik), mRNA.	Mme-M300010771	ILMN_2842210	0	0
75180	4930538K18Rik	-0.039	0.053	-0.049	0	0	0	0	0	0	NM_029198	RIKEN cDNA 4930538K18 gene (4930538K18Rik), mRNA.	Mme-M200011890	ILMN_3157886	0	0
207819	4930539E08Rik	-0.073	0.255	0.082	0	0	0	0	0	0	NM_172450	RIKEN cDNA 4930539E08 gene (4930539E08Rik), mRNA.	Mme-M300019680	ILMN_1238069	0	0
67653	4930544G11Rik	-0.267	0.003	0.034	0	0	0	0	0	0	NR_003637	RIKEN cDNA 4930544G11 gene (4930544G11Rik) on chromosome 6.	Mme-M200015352	ILMN_1233275	0	0
67656	4930548H24Rik	-0.202	0.038	0.135	0	0	0	0	0	0	NM_026296	RIKEN cDNA 4930548H24 gene (4930548H24Rik), mRNA.	Mme-M200004611	ILMN_2705533	0	0
67663	4930549C01Rik	-0.090	0.036	-0.057	0	0	0	0	0	0	NM_026300	RIKEN cDNA 4930549C01 gene (4930549C01Rik), mRNA.	Mme-M200010023	ILMN_1232888	0	0
75311	4930550C14Rik	0.135	0.069	-0.085	0	0	0	0	0	0	NM_029247	RIKEN cDNA 4930550C14 gene (4930550C14Rik), mRNA.	Mme-M200005239	ILMN_1250814	0	0
75352	4930550L24Rik	-0.214	-0.025	-0.037	0	0	0	0	0	0	NM_023774	RIKEN cDNA 4930550L24 gene (4930550L24Rik), mRNA.	Mme-M200015070	ILMN_2733766	0	0
108978	4930555G01Rik	-0.321	0.028	0.068	0	0	0	0	0	0	NM_175393	RIKEN cDNA 4930555G01 gene (4930555G01Rik), mRNA.	Mme-M400007627	ILMN_2972249	0	0
385317	4930557A04Rik	0.343	-0.080	-0.030	0	0	0	0	0	0	XM_001474581	PREDICTED: RIKEN cDNA 4930557A04 gene (4930557A04Rik), mRNA.	Mme-M200008740	ILMN_2678394	0	0
75303	4930562A09Rik	-0.190	0.015	0.003	0	0	0	0	0	0	XR_035352	PREDICTED: RIKEN cDNA 4930562A09 gene (4930562A09Rik), misc RNA.	Mme-M200010989	ILMN_1229901	0	0
75255	4930562F07Rik	0.142	-0.040	0.045	0	0	0	0	0	0	XM_001472682	PREDICTED: RIKEN cDNA 4930562F07 gene (4930562F07Rik), mRNA.	Mme-M200007190	ILMN_2637219	0	0
75328	4930563D23Rik	-0.023	0.041	0.074	0	0	0	0	0	0	NM_029252	RIKEN cDNA 4930563D23 gene (4930563D23Rik), mRNA.	Mme-M300022336	ILMN_2748364	0	0
75304	4930563E22Rik	-0.149	-0.143	0.028	0	0	0	0	0	0	XM_917911	PREDICTED: RIKEN cDNA 4930563E22 gene, transcript variant 3 (4930563E22Rik), mRNA.	Mme-M400004517	ILMN_1216391	0	0
75369	4930563F08Rik	0.066	-0.060	0.045	0	0	0	0	0	0	XM_896981	PREDICTED: RIKEN cDNA 4930563F08 gene (4930563F08Rik), mRNA.	Mme-M400014361	ILMN_1244372	0	0
75258	4930563M21Rik	-0.056	-0.105	0.071	0	0	0	0	0	0	NM_183111	RIKEN cDNA 4930563M21 gene (4930563M21Rik), mRNA.	Mme-M300021378	ILMN_1228566	0	0
75272	4930564B18Rik	0.086	0.035	-0.078	0	0	0	0	0	0	XM_127749	PREDICTED: RIKEN cDNA 4930564B18 gene (4930564B18Rik), mRNA.	Mme-M200010979	ILMN_2606376	0	0
75341	4930564C03Rik	0.068	0.078	0.122	0	0	0	0	0	0	XM_484637	PREDICTED: RIKEN cDNA 4930564C03 gene (4930564C03Rik), mRNA.	Mme-M200008750	ILMN_1214233	0	0
75269	4930564D02Rik	-0.067	-0.022	-0.113	0	0	0	0	0	0	XM_898342	PREDICTED: RIKEN cDNA 4930564D02 gene (4930564D02Rik), mRNA.	Mme-M400003888	ILMN_1233707	0	0
75859	4930568D16Rik	0.040	-0.023	-0.056	0	0	0	0	0	0	XM_130220	PREDICTED: RIKEN cDNA 4930568D16 gene (4930568D16Rik), mRNA.	Mme-M200011064	ILMN_2668942	0	0
75905	4930578C19Rik	0.113	-0.135	-0.110	0	0	0	0	0	0	NM_175228	RIKEN cDNA 4930578C19 gene (4930578C19Rik), mRNA.	Mme-M200011076	ILMN_2668642	0	0
67750	4930578I06Rik	-0.250	-0.003	-0.058	0	0	0	0	0	0	NM_026359	RIKEN cDNA 4930578I06 gene (4930578I06Rik), mRNA.	Mme-M300003031	ILMN_1246251	0	0
67741	4930579F01Rik	-0.284	-0.050	0.022	0	0	0	0	0	0	XM_131242	PREDICTED: RIKEN cDNA 4930579F01 gene (4930579F01Rik), mRNA.	Mme-M200015207	ILMN_2628014	0	0
75939	4930579G24Rik	0.082	0.055	0.035	0	0	0	0	0	0	XM_485257	PREDICTED: RIKEN cDNA 4930579G24 gene (4930579G24Rik), mRNA.	Mme-M200007357	ILMN_2693115	0	0
75881	4930579K19Rik	-0.097	0.086	0.007	0	0	0	0	0	0	XR_035216	PREDICTED: RIKEN cDNA 4930579K19 gene (4930579K19Rik), misc RNA.	Mme-M200008894	ILMN_1260519	0	0
78057	4930583I09Rik	-0.122	-0.059	-0.023	0	0	0	0	0	0	XM_128729	PREDICTED: RIKEN cDNA 4930583I09 gene (4930583I09Rik), mRNA.	Mme-M200008762	ILMN_2711199	0	0
381798	4930590J08Rik	-0.331	0.057	-0.009	0	0	0	0	0	0	NM_198668	RIKEN cDNA 4930590J08 gene (4930590J08Rik), mRNA.	Mme-M300009120	ILMN_2620409	0	0
245492	4930595M18Rik	-0.072	0.044	-0.041	0	0	0	0	0	0	NM_173435	RIKEN cDNA 4930595M18 gene (4930595M18Rik), mRNA.	Mme-M400007269	ILMN_1248873	0	0
239036	4930596D02Rik	-0.044	0.011	0.028	0	0	0	0	0	0	NM_001033766	RIKEN cDNA 4930596D02 gene (4930596D02Rik), mRNA.	Mme-M300013010	ILMN_2799163	0	0
70936	4931400O07Rik	-0.107	-0.041	0.046	0	0	0	0	0	0	XM_985358	PREDICTED: RIKEN cDNA 4931400O07 gene (4931400O07Rik), mRNA.	Mme-M200010242	ILMN_2709916	0	0
74054	4931406B18Rik	-0.076	0.037	-0.012	0	0	0	0	0	0	NM_028737	RIKEN cDNA 4931406B18 gene (4931406B18Rik), mRNA.	Mme-M400000198	ILMN_2754926	0	0
70984	4931406C07Rik	0.088	-0.199	0.044	0	0	0	0	0	0	NM_133732	RIKEN cDNA 4931406C07 gene (4931406C07Rik), mRNA.	Mme-M200012066	ILMN_2612325	0	0
77592	4931406H21Rik	0.021	-0.075	0.039	0	0	0	0	0	0	NM_175264	RIKEN cDNA 4931406H21 gene (4931406H21Rik), mRNA.	Mme-M400012295	ILMN_2612311	0	0
233103	4931406P16Rik	0.368	0.055	0.141	0	0	0	0	0	0	NM_172741	RIKEN cDNA 4931406P16 gene (4931406P16Rik), mRNA.	Mme-M300010367	ILMN_2601441	0	0
210940	4931408C20Rik	-0.040	0.058	0.061	0	0	0	0	0	0	NM_001033764	RIKEN cDNA 4931408C20 gene (4931408C20Rik), mRNA.	Mme-M400003116	ILMN_3080840	0	0
231045	4931409K22Rik	-0.104	-0.084	-0.069	0	0	0	0	0	0	NM_177676	RIKEN cDNA 4931409K22 gene (4931409K22Rik), mRNA.	Mme-M400005498	ILMN_1259598	0	0
74359	4931414P19Rik	-0.308	0.062	0.023	0	0	0	0	0	0	NM_028890	RIKEN cDNA 4931414P19 gene (4931414P19Rik), mRNA.	Mme-M200015541	ILMN_1251698	0	0
66740	4931417E11Rik	-0.148	-0.049	-0.055	0	0	0	0	0	0	NM_025737	RIKEN cDNA 4931417E11 gene (4931417E11Rik), mRNA.	Mme-M400005430	ILMN_2611700	0	0
70981	4931423N10Rik	-0.123	0.029	-0.023	0	0	0	0	0	0	XM_130063	PREDICTED: RIKEN cDNA 4931423N10 gene (4931423N10Rik), mRNA.	Mme-M200010258	ILMN_2737567	0	0
74356	4931428F04Rik	-0.085	0.175	0.087	0	0	0	0	0	0	NM_028888	RIKEN cDNA 4931428F04 gene (4931428F04Rik), mRNA.	Mme-M200015837	ILMN_2699704	0	0
70988	4931428L18Rik	-0.054	0.008	0.063	0	0	0	0	0	0	NM_027637	RIKEN cDNA 4931428L18 gene (4931428L18Rik), mRNA.	Mme-M200012326	ILMN_1251021	0	0
70989	4931429I11Rik	0.081	-0.186	-0.123	0	0	0	0	0	0	NM_001081121	RIKEN cDNA 4931429I11 gene (4931429I11Rik), mRNA.	Mme-M200014787	ILMN_1254314	0	0
74361	4931429L15Rik	-0.231	-0.043	0.070	0	0	0	0	0	0	XM_001479570	PREDICTED: RIKEN cDNA 4931429L15 gene (4931429L15Rik), mRNA.	Mme-M400005567	ILMN_1215449	0	0
70971	4931429P17Rik	-0.050	-0.029	-0.066	0	0	0	0	0	0	XM_001473688	PREDICTED: RIKEN cDNA 4931429P17 gene (4931429P17Rik), mRNA.	Mme-M300018173	ILMN_1253017	0	0
70980	4931431F19Rik	-0.348	-0.085	-0.053	0	0	0	0	0	0	XM_133663	PREDICTED: RIKEN cDNA 4931431F19 gene (4931431F19Rik), mRNA.	Mme-M300022239	ILMN_1249345	0	0
216622	4931440F15Rik	-0.089	-0.064	0.049	0	0	0	0	0	0	NM_176829	RIKEN cDNA 4931440F15 gene (4931440F15Rik), mRNA.	Mme-M400012331	ILMN_2697082	0	0
214604	4932411E22Rik	-0.044	-0.116	0.077	0	0	0	0	0	0	NM_172534	RIKEN cDNA 4932411E22 gene (4932411E22Rik), mRNA.	Mme-M300018333	ILMN_1230821	0	0
237029	4932411N23Rik	-0.279	-0.011	-0.021	0	0	0	0	0	0	NM_177705	RIKEN cDNA 4932411N23 gene (4932411N23Rik), mRNA.	Mme-M400007365	ILMN_2634091	0	0
237694	4932414J04Rik	-0.304	-0.068	-0.073	0	0	0	0	0	0	XM_001471843	PREDICTED: RIKEN cDNA 4932414J04 gene (4932414J04Rik), mRNA.	Mme-M400003389	ILMN_1255492	0	0
75721	4932414N04Rik	-0.443	0.053	-0.046	0	0	0	0	0	0	NM_183113	RIKEN cDNA 4932414N04 gene (4932414N04Rik), mRNA.	Mme-M200015633	ILMN_2769754	0	0
442809	4932416K20Rik	-0.156	0.038	-0.027	0	0	0	0	0	0	XR_035314	PREDICTED: RIKEN cDNA 4932416K20 gene (4932416K20Rik), misc RNA.	Mme-M400010692	ILMN_1248090	0	0
329366	4932418E24Rik	-0.193	0.043	-0.022	0	0	0	0	0	0	NM_177841	RIKEN cDNA 4932418E24 gene (4932418E24Rik), mRNA.	Mme-M300018860	ILMN_2616111	0	0
245509	4932429P05Rik	-0.077	0.020	-0.082	0	0	0	0	0	0	NM_001085511	RIKEN cDNA 4932429P05 gene (4932429P05Rik), mRNA.	Mme-M400002753	ILMN_1246506	0	0
114675	4932431P20Rik	-0.404	-0.098	-0.017	0	0	0	0	0	0	XR_035401	PREDICTED: RIKEN cDNA 4932431P20 gene (4932431P20Rik), misc RNA.	Mme-M400002451	ILMN_2636841	0	0
229227	4932438A13Rik	-0.322	-0.110	-0.111	0	0	0	0	0	0	XM_975194	PREDICTED: RIKEN cDNA 4932438A13 gene (4932438A13Rik), mRNA.	Mme-M400001997	ILMN_1214806	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
74387	4932438H23Rik	0.011	-0.060	0.051	0	0	0	0	0	0	NM_028905	RIKEN cDNA 4932438H23 gene (4932438H23Rik), mRNA.	Mme-M200007723	ILMN_1245519	0	0
66747	4933400A11Rik	-0.092	-0.019	0.042	0	0	0	0	0	0	NR_003635	RIKEN cDNA 4933400A11 gene (4933400A11Rik) on chromosome X.	Mme-M400005139	ILMN_1250324	0	0
74426	4933402D24Rik	0.002	-0.031	0.007	0	0	0	0	0	0	XM_129823	PREDICTED: RIKEN cDNA 4933402D24 gene (4933402D24Rik), mRNA.	Mme-M200010747	ILMN_1226803	0	0
74437	4933402E13Rik	0.027	-0.041	-0.029	0	0	0	0	0	0	XM_889482	PREDICTED: RIKEN cDNA 4933402E13 gene, transcript variant 2 (4933402E13Rik), mRNA.	Mme-M200015700	ILMN_1238634	0	0
330820	4933402J07Rik	-0.318	0.079	0.017	0	0	0	0	0	0	NM_177901	RIKEN cDNA 4933402J07 gene (4933402J07Rik), mRNA.	Mme-M400012443	ILMN_2976293	0	0
233918	4933402N03Rik	-0.102	-0.037	0.006	0	0	0	0	0	0	NM_173409	RIKEN cDNA 4933402N03 gene (4933402N03Rik), mRNA.	Mme-M300001234	ILMN_2612592	0	0
545732	4933402N22Rik	-0.025	0.021	0.122	0	0	0	0	0	0	XR_001623	PREDICTED: Speer1-like (LOC545732), misc RNA.	Mme-M400009331	ILMN_2776561	0	0
108803	4933402P03Rik	-0.004	-0.051	0.006	0	0	0	0	0	0	NM_175368	RIKEN cDNA 4933402P03 gene (4933402P03Rik), mRNA.	Mme-M300015128	ILMN_1254829	0	0
71030	4933403O08Rik	-0.143	-0.149	0.019	0	0	0	0	0	0	XM_136029	PREDICTED: RIKEN cDNA 4933403O08 gene (4933403O08Rik), mRNA.	Mme-M200010274	ILMN_2648155	0	0
74066	4933404G15Rik	-0.241	0.007	0.026	0	0	0	0	0	0	XR_035261	PREDICTED: RIKEN cDNA 4933404G15 gene (4933404G15Rik), misc RNA.	Mme-M300003501	ILMN_2641187	0	0
243996	4933405O20Rik	0.057	0.088	-0.113	0	0	0	0	0	0	NM_172901	RIKEN cDNA 4933405O20 gene (4933405O20Rik), mRNA.	Mme-M400012252	ILMN_1229724	0	0
71040	4933406B17Rik	-0.229	0.037	-0.042	0	0	0	0	0	0	XM_001477792	PREDICTED: RIKEN cDNA 4933406B17 gene (4933406B17Rik), mRNA.	Mme-M400013521	ILMN_2611065	0	0
74401	4933406J08Rik	-0.162	0.055	-0.032	0	0	0	0	0	0	XM_001480682	PREDICTED: RIKEN cDNA 4933406J08 gene (4933406J08Rik), mRNA.	Mme-M200010742	ILMN_2657671	0	0
240755	4933406M09Rik	-0.158	0.041	0.031	0	0	0	0	0	0	NM_173771	RIKEN cDNA 4933406M09 gene (4933406M09Rik), mRNA.	Mme-M300021221	ILMN_2651350	0	0
71141	4933407L21Rik	0.070	-0.021	-0.024	0	0	0	0	0	0	XM_973211	PREDICTED: RIKEN cDNA 4933407L21 gene (4933407L21Rik), mRNA.	Mme-M400000903	ILMN_1245406	0	0
271508	4933408B17Rik	-0.234	-0.020	0.004	0	0	0	0	0	0	NM_177773	RIKEN cDNA 4933408B17 gene (4933408B17Rik), transcript variant hypothetical protein LOC271508, mRNA.	Mme-M300020097	ILMN_1258744	0	0
227998	4933409G03Rik	0.023	-0.059	-0.042	0	0	0	0	0	0	NM_177651	RIKEN cDNA 4933409G03 gene (4933409G03Rik), mRNA.	Mme-M400004632	ILMN_2598069	0	0
71090	4933411G06Rik	-0.193	-0.002	-0.080	0	0	0	0	0	0	XM_621219	PREDICTED: RIKEN cDNA 4933411G06 gene (4933411G06Rik), mRNA.	Mme-M400007737	ILMN_1253122	0	0
71106	4933413J09Rik	-0.061	-0.059	0.056	0	0	0	0	0	0	XM_354798	PREDICTED: RIKEN cDNA 4933413J09 gene (4933413J09Rik), mRNA.	Mme-M400008926	ILMN_1219436	0	0
66755	4933415F23Rik	-0.049	0.043	0.090	0	0	0	0	0	0	NM_025746	RIKEN cDNA 4933415F23 gene (4933415F23Rik), mRNA.	Mme-M400008237	ILMN_2681759	0	0
619332	4933416C03Rik	-0.510	0.072	-0.077	0	0	0	0	0	0	NR_003651	RIKEN cDNA 4933416C03 gene (4933416C03Rik) on chromosome 10.	Mme-M400000364	ILMN_3161693	0	0
71159	4933416I08Rik	-0.230	-0.048	0.073	0	0	0	0	0	0	XM_204338	PREDICTED: RIKEN cDNA 4933416I08 gene, transcript variant 1 (4933416I08Rik), mRNA.	Mme-M400005161	ILMN_1227456	0	0
66761	4933417A18Rik	-0.368	0.001	0.050	0	0	0	0	0	0	NM_025750	RIKEN cDNA 4933417A18 gene (4933417A18Rik), mRNA.	Mme-M200009906	ILMN_2873321	0	0
71162	4933421I07Rik	0.300	-0.014	0.030	0	0	0	0	0	0	NM_027702	RIKEN cDNA 4933421I07 gene (4933421I07Rik), mRNA.	Mme-M200010314	ILMN_1255826	0	0
71166	4933424G06Rik	-0.017	0.027	-0.036	0	0	0	0	0	0	XM_129743	PREDICTED: RIKEN cDNA 4933424G06 gene (4933424G06Rik), mRNA.	Mme-M300004945	ILMN_2602314	0	0
66763	4933425L06Rik	-0.155	-0.041	-0.007	0	0	0	0	0	0	NM_025751	RIKEN cDNA 4933425L06 gene (4933425L06Rik), mRNA.	Mme-M200008756	ILMN_2692568	0	0
232217	4933427D06Rik	-0.517	-0.040	0.029	0	0	0	0	0	0	NM_175017	RIKEN cDNA 4933427D06 gene (4933427D06Rik), mRNA.	Mme-M400005156	ILMN_2759015	0	0
74477	4933427D14Rik	0.101	0.064	0.033	0	0	0	0	0	0	NM_028963	RIKEN cDNA 4933427D14 gene (4933427D14Rik), mRNA.	Mme-M300002404	ILMN_1245850	0	0
66769	4933427E11Rik	-0.195	-0.024	-0.082	0	0	0	0	0	0	XR_035258	PREDICTED: RIKEN cDNA 4933427E11 gene (4933427E11Rik), misc RNA.	Mme-M300015304	ILMN_1217373	0	0
74466	4933427G17Rik	0.024	-0.121	-0.065	0	0	0	0	0	0	XM_133717	PREDICTED: RIKEN cDNA 4933427G17 gene, transcript variant 1 (4933427G17Rik), mRNA.	Mme-M200010761	ILMN_2775861	0	0
71248	4933428M09Rik	-0.449	-0.022	-0.012	0	0	0	0	0	0	XM_001473792	PREDICTED: RIKEN cDNA 4933428M09 gene (4933428M09Rik), mRNA.	Mme-M200010341	ILMN_2616736	0	0
214106	4933430I17Rik	0.142	0.065	0.033	0	0	0	0	0	0	NM_177607	RIKEN cDNA 4933430I17 gene (4933430I17Rik), mRNA.	Mme-M300019574	ILMN_2599174	0	0
99650	4933434E20Rik	0.107	-0.097	-0.071	0	0	0	0	0	0	NM_025762	RIKEN cDNA 4933434E20 gene (4933434E20Rik), transcript variant 1, mRNA.	Mme-M200004132	ILMN_2616956	0	0
66780	4933436I01Rik	-0.291	0.071	0.009	0	0	0	0	0	0	NM_025763	RIKEN cDNA 4933436I01 gene (4933436I01Rik), mRNA.	Mme-M200015526	ILMN_2940867	0	0
381622	5031410I06Rik	-0.236	0.046	0.050	0	0	0	0	0	0	NM_207657	RIKEN cDNA 5031410I06 gene (5031410I06Rik), mRNA.	Mme-M400003941	ILMN_1224506	0	0
271221	5031414D18Rik	0.114	0.305	0.124	0	0	0	0	0	0	NM_198642	RIKEN cDNA 5031414D18 gene (5031414D18Rik), mRNA.	Mme-M400006033	ILMN_2615575	0	0
223739	5031439G07Rik	0.196	-0.069	0.060	0	0	0	0	0	0	NM_001033273	RIKEN cDNA 5031439G07 gene (5031439G07Rik), mRNA.	Mme-M300010219	ILMN_1252809	0	0
76000	5033430I15Rik	0.063	-0.189	0.139	0	0	0	0	0	0	XM_001473131	PREDICTED: RIKEN cDNA 5033430I15 gene (5033430I15Rik), mRNA.	Mme-M200014144	ILMN_2593994	0	0
71297	5133400J02Rik	0.002	0.043	-0.090	0	0	0	0	0	0	XM_001475111	PREDICTED: RIKEN cDNA 5133400J02 gene (5133400J02Rik), mRNA.	Mme-M400013562	ILMN_1254120	0	0
229722	5330417C22Rik	0.040	-0.141	-0.748	0	0	-1	0	0	-1	NM_001033304	RIKEN cDNA 5330417C22 gene (5330417C22Rik), mRNA.	Mme-M400003940	ILMN_3160472	0	1
78285	5330426L24Rik	-0.307	-0.013	0.071	0	0	0	0	0	0	XR_035324	PREDICTED: RIKEN cDNA 5330426L24 gene (5330426L24Rik), misc RNA.	Mme-M400012476	ILMN_1224717	0	0
68190	5330426P16Rik	-0.096	-0.109	0.086	0	0	0	0	0	0	XM_916412	PREDICTED: RIKEN cDNA 5330426P16 gene (5330426P16Rik), mRNA.	Mme-M300003425	ILMN_1213756	0	0
321015	5330439B14Rik	0.459	0.011	0.062	0	0	0	0	0	0	NM_177314	RIKEN cDNA 5330439B14 gene (5330439B14Rik), mRNA.	Mme-M200011521	ILMN_2757661	0	0
71351	5430402E10Rik	0.050	-0.004	-0.004	0	0	0	0	0	0	NM_027768	RIKEN cDNA 5430402E10 gene (5430402E10Rik), mRNA.	Mme-M400002853	ILMN_1252877	0	0
71406	5430416O09Rik	-0.008	0.029	-0.042	0	0	0	0	0	0	NM_027789	RIKEN cDNA 5430416O09 gene (5430416O09Rik), mRNA.	Mme-M200007311	ILMN_2906339	0	0
71395	5430419D17Rik	0.097	-0.026	-0.026	0	0	0	0	0	0	NM_175166	RIKEN cDNA 5430419D17 gene (5430419D17Rik), mRNA.	Mme-M300000759	ILMN_2686522	0	0
71398	5430427O19Rik	-0.028	0.254	0.221	0	0	0	0	0	0	XM_900683	PREDICTED: RIKEN cDNA 5430427O19 gene, transcript variant 2 (5430427O19Rik), mRNA.	Mme-M200007991	ILMN_2686825	0	0
73847	5430432M24Rik	0.071	0.105	-0.025	0	0	0	0	0	0	NM_146127	RIKEN cDNA 5430432M24 gene (5430432M24Rik), transcript variant 2, mRNA.	Mme-M200012310	ILMN_2740890	0	0
226421	5430435G22Rik	0.113	0.165	-0.090	0	0	0	0	0	0	NM_145509	RIKEN cDNA 5430435G22 gene (5430435G22Rik), mRNA.	Mme-M400011899	ILMN_2769490	0	0
71388	5530401A14Rik	-0.110	0.019	0.006	0	0	0	0	0	0	XM_484055	PREDICTED: RIKEN cDNA 5530401A14 gene (5530401A14Rik), mRNA.	Mme-M300002352	ILMN_2637516	0	0
70487	5730403I07Rik	0.166	-0.621	-0.170	0	-1	0	0	-1	0	XM_001004179	PREDICTED: RIKEN cDNA 5730403I07 gene (5730403I07Rik), mRNA.	Mme-M400013390	ILMN_1245939	0	1
230757	5730409E04Rik	0.010	-0.125	-0.099	0	0	0	0	0	0	NM_001013755	RIKEN cDNA 5730409E04Rik gene (5730409E04Rik), mRNA.	Mme-M300021845	ILMN_2836359	0	0
70550	5730416F02Rik	0.114	-0.115	0.070	0	0	0	0	0	0	XR_001637	PREDICTED: RIKEN cDNA 5730416F02 gene (5730416F02Rik), misc RNA.	Mme-M400013408	ILMN_2737045	0	0
70591	5730455P16Rik	-0.070	-0.205	0.498	0	0	1	0	0	1	NM_027472	RIKEN cDNA 5730455P16 gene (5730455P16Rik), mRNA.	Mme-M200015779	ILMN_1226103	1	0
70602	5730488B01Rik	-0.113	-0.002	0.022	0	0	0	0	0	0	XM_001473604	PREDICTED: RIKEN cDNA 5730488B01 gene (5730488B01Rik), mRNA.	Mme-M400012887	ILMN_2684899	0	0
236366	5730507C01Rik	-0.136	-0.199	0.185	0	0	0	0	0	0	NM_001033157	RIKEN cDNA 5730507C01 gene (5730507C01Rik), mRNA.	Mme-M400004125	ILMN_2535582	0	0
70617	5730508B09Rik	0.202	0.013	0.054	0	0	0	0	0	0	NM_027482	RIKEN cDNA 5730508B09 gene (5730508B09Rik), mRNA.	Mme-M400003700	ILMN_2621217	0	0
70626	5730522E02Rik	-0.556	0.033	-0.065	0	0	0	0	0	0	XR_035404	PREDICTED: RIKEN cDNA 5730522E02 gene (5730522E02Rik), misc RNA.	Mme-M400001517	ILMN_2697334	0	0
67434	5730557B15Rik	-0.301	0.047	0.038	0	0	0	0	0	0	NM_027496	RIKEN cDNA 5730557B15 gene (5730557B15Rik), transcript variant 2, mRNA.	Mme-M200009856	ILMN_2608985	0	0
67313	5730559C18Rik	-0.223	-0.017	0.057	0	0	0	0	0	0	NM_028872	RIKEN cDNA 5730559C18 gene (5730559C18Rik), mRNA.	Mme-M300005088	ILMN_2687181	0	0
244234	5830411N06Rik	0.039	-0.060	-0.011	0	0	0	0	0	0	NM_175533	RIKEN cDNA 5830411N06 gene (5830411N06Rik), mRNA.	Mme-M300004645	ILMN_2658592	0	0
74753	5830415F09Rik	-0.002	0.077	-0.058	0	0	0	0	0	0	NM_029086	RIKEN cDNA 5830415F09 gene (5830415F09Rik), mRNA.	Mme-M200014354	ILMN_2924591	0	0
381232	5830416P10Rik	-0.074	0.077	-0.048	0	0	0	0	0	0	XM_001472614	PREDICTED: RIKEN cDNA 5830416P10 gene (5830416P10Rik), mRNA.	Mme-M300004435	ILMN_2448110	0	0
76100	5830454E08Rik	0.145	-0.188	-0.156	0	0	0	0	0	0	XM_001473897	PREDICTED: RIKEN cDNA 5830454E08 gene (5830454E08Rik), mRNA.	Mme-M400004202	ILMN_2613175	0	0
319477	6030419C18Rik	-0.082	-0.124	-0.339	0	0	-1	0	0	0	NM_176921	RIKEN cDNA 6030419C18 gene (6030419C18Rik), mRNA.	Mme-M400012338	ILMN_2599739	0	0
330837	6030452D12Rik	-0.079	-0.006	0.045	0	0	0	0	0	0	XR_035325	PREDICTED: RIKEN cDNA 6030452D12 gene (6030452D12Rik), misc RNA.	Mme-M400004694	ILMN_1236314	0	0
77877	6030458C11Rik	0.158	0.003	-0.033	0	0	0	0	0	0	NM_029998	RIKEN cDNA 6030458C11 gene (6030458C11Rik), mRNA.	Mme-M300003134	ILMN_1234301	0	0
77727	6030468B19Rik	0.230	0.082	-0.079	0	0	0	0	0	0	XM_126537	PREDICTED: RIKEN cDNA 6030468B19 gene (6030468B19Rik), mRNA.	Mme-M200011366	ILMN_2764919	0	0
77883	6030498E09Rik	-0.131	0.059	0.071	0	0	0	0	0	0	NM_183126	RIKEN cDNA 6030498E09 gene (6030498E09Rik), mRNA.	Mme-M200008791	ILMN_2775338	0	0
381310	6330403A02Rik	0.016	0.244	-0.086	0	0	0	0	0	0	NM_001081227	RIKEN cDNA 6330403A02 gene (6330403A02Rik), mRNA.	Mme-M400004656	ILMN_1217350	0	0
103712	6330403K07Rik	-0.093	0.326	-0.168	0	0	0	0	0	0	NM_134022	RIKEN cDNA 6330403K07 gene (6330403K07Rik), mRNA.	Mme-M300001680	ILMN_2594139	0	0
321008	6330408A02Rik	-0.010	-0.021	-0.055	0	0	0	0	0	0	NM_177312	RIKEN cDNA 6330408A02 gene (6330408A02Rik), mRNA.	Mme-M400012410	ILMN_2592187	0	0
230279	6330416G13Rik	-0.325	0.024	-0.139	0	0	0	0	0	0	NM_144905	RIKEN cDNA 6330416G13 gene (6330416G13Rik), mRNA.	Mme-M200013634	ILMN_2875169	0	0
229613	6330549D23Rik	-0.023	0.058	0.048	0	0	0	0	0	0	NR_003619	RIKEN cDNA 6330549D23 gene (6330549D23Rik) on chromosome 3.	Mme-M400003014	ILMN_1229583	0	0
76880	6430411K18Rik	0.182	0.175	0.035	0	0	0	0	0	0	NR_002848	RIKEN cDNA 6430411K18 gene (6430411K18Rik) on chromosome 12.	Mme-M400014650	ILMN_2438819	0	0
78068	6430503K07Rik	-0.126	-0.039	-0.070	0	0	0	0	0	0	XM_925521	PREDICTED: RIKEN cDNA 6430503K07 gene (6430503K07Rik), mRNA.	Mme-M400004506	ILMN_2551602	0	0
234797	6430548M08Rik	-0.106	-0.216	0.013	0	0	0	0	0	0	NM_172286	RIKEN cDNA 6430548M08 gene (6430548M08Rik), mRNA.	Mme-M300007920	ILMN_2599214	0	0
235599	6430571L13Rik	-0.327	-0.003	-0.013	0	0	0	0	0	0	NM_175486	RIKEN cDNA 6430571L13 gene (6430571L13Rik), mRNA.	Mme-M300011257	ILMN_1223546	0	0
319582	6430573F11Rik	-0.053	-0.141	-0.015	0	0	0	0	0	0	NM_176952	RIKEN cDNA 6430573F11 gene (6430573F11Rik), mRNA.	Mme-M300012262	ILMN_2893471	0	0
76237	6430628N08Rik	-0.306	-0.113	-0.108	0	0	0	0	0	0	XM_149458	PREDICTED: RIKEN cDNA 6430628N08 gene (6430628N08Rik), mRNA.	Mme-M200008445	ILMN_2698013	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
320739	6530403H02Rik	0.271	0.063	0.043	0	0	0	0	0	0	XM_001477066	PREDICTED: RIKEN cDNA 6530403H02 gene (6530403H02Rik), mRNA.	Mme-M400017709	ILMN_2726210	0	0
76212	6530403M18Rik	-0.409	-0.065	-0.055	0	0	0	0	0	0	XR_035193	PREDICTED: RIKEN cDNA 6530403M18 gene (6530403M18Rik), misc RNA.	Mme-M200011157	ILMN_2549974	0	0
76224	6530409C15Rik	0.042	-0.004	0.089	0	0	0	0	0	0	XM_987873	PREDICTED: RIKEN cDNA 6530409C15 gene (6530409C15Rik), mRNA.	Mme-M200011162	ILMN_2729926	0	0
211378	6720489N17Rik	-0.167	0.087	-0.037	0	0	0	0	0	0	XM_001472312	PREDICTED: RIKEN cDNA 6720489N17 gene (6720489N17Rik), mRNA.	Mme-M400005187	ILMN_2773383	0	0
228778	6820408C15Rik	0.128	0.084	0.033	0	0	0	0	0	0	NM_177656	RIKEN cDNA 6820408C15 gene (6820408C15Rik), mRNA.	Mme-M300008386	ILMN_1245721	0	0
78609	8030411F24Rik	-0.344	-0.048	0.006	0	0	0	0	0	0	NM_030135	RIKEN cDNA 8030411F24 gene (8030411F24Rik), mRNA.	Mme-M200011467	ILMN_2636508	0	0
77166	8030423J24Rik	-0.218	-0.016	0.019	0	0	0	0	0	0	XM_001474002	PREDICTED: RIKEN cDNA 8030423J24 gene (8030423J24Rik), mRNA.	Mme-M200011256	ILMN_1241935	0	0
212163	8030462N17Rik	0.039	-0.147	-0.182	0	0	0	0	0	0	NM_178670	RIKEN cDNA 8030462N17 gene (8030462N17Rik), mRNA.	Mme-M400012487	ILMN_2963017	0	0
382231	8030474K03Rik	-0.135	0.047	-0.004	0	0	0	0	0	0	XM_001000772	PREDICTED: RIKEN cDNA 8030474K03 gene (8030474K03Rik), mRNA.	Mme-M300015989	ILMN_1231277	0	0
213393	8430408G22Rik	-0.114	-0.118	0.079	0	0	0	0	0	0	NM_145980	RIKEN cDNA 8430408G22 gene (8430408G22Rik), mRNA.	Mme-M400011919	ILMN_2894211	0	0
74525	8430419L09Rik	0.132	-0.019	-0.054	0	0	0	0	0	0	NM_028982	RIKEN cDNA 8430419L09 gene (8430419L09Rik), mRNA.	Mme-M200007507	ILMN_1221940	0	0
329540	8430427H17Rik	-0.138	-0.148	-0.074	0	0	0	0	0	0	NM_001001986	RIKEN cDNA 8430427H17 gene (8430427H17Rik), mRNA.	Mme-M400007374	ILMN_2615026	0	0
71523	8430429K09Rik	-0.018	0.006	0.019	0	0	0	0	0	0	XR_031364	PREDICTED: RIKEN cDNA 8430429K09 gene (8430429K09Rik), misc RNA.	Mme-M400008738	ILMN_1245342	0	0
78103	8430431K14Rik	0.014	-0.024	-0.084	0	0	0	0	0	0	NR_002849	RIKEN cDNA 8430431K14 gene (8430431K14Rik) on chromosome 19.	Mme-M400014996	ILMN_1220378	0	0
71528	9030404E10Rik	-0.456	-0.059	0.007	0	0	0	0	0	0	XM_489677	PREDICTED: RIKEN cDNA 9030404E10 gene (9030404E10Rik), mRNA.	Mme-M400013625	ILMN_1258282	0	0
217830	9030617O03Rik	0.143	-0.040	-0.074	0	0	0	0	0	0	NM_145448	RIKEN cDNA 9030617O03 gene (9030617O03Rik), mRNA.	Mme-M200013484	ILMN_1245040	0	0
66808	9030624G23Rik	-0.292	-0.146	0.029	0	0	0	0	0	0	XM_001003228	PREDICTED: RIKEN cDNA 9030624G23 gene (9030624G23Rik), mRNA.	Mme-M400008810	ILMN_2727829	0	0
71517	9030624J02Rik	0.184	0.035	0.055	0	0	0	0	0	0	NM_027815	RIKEN cDNA 9030624J02 gene (9030624J02Rik), mRNA.	Mme-M400011620	ILMN_2872639	0	0
71617	9130011E15Rik	-0.104	-0.060	-0.079	0	0	0	0	0	0	NM_198296	RIKEN cDNA 9130011E15 gene (9130011E15Rik), mRNA.	Mme-M300012429	ILMN_1233304	0	0
78921	9130019O22Rik	-0.246	0.060	0.040	0	0	0	0	0	0	NM_030226	RIKEN cDNA 9130019O22 gene (9130019O22Rik), mRNA.	Mme-M400009536	ILMN_2637604	0	0
100043133	9130023H24Rik	-0.188	-0.100	-0.028	0	0	0	0	0	0	NM_177001	RIKEN cDNA 9130023H24 gene (9130023H24Rik), mRNA.	Mme-M300018275	ILMN_2631218	0	0
229550	9130204L05Rik	-0.020	0.022	-0.042	0	0	0	0	0	0	NM_001101461	RIKEN cDNA 9130204L05 gene (9130204L05Rik), mRNA.	Mme-M400007382	ILMN_2528610	0	0
77700	9130208D14Rik	0.234	-0.028	0.096	0	0	0	0	0	0	XM_620545	PREDICTED: RIKEN cDNA 9130208D14 gene (9130208D14Rik), mRNA.	Mme-M400005742	ILMN_2466438	0	0
329159	9130227L01Rik	-0.107	-0.003	-0.007	0	0	0	0	0	0	XM_488894	PREDICTED: RIKEN cDNA 9130227L01 gene (9130227L01Rik), mRNA.	Mme-M400015274	ILMN_2639118	0	0
231253	9130230L23Rik	-0.263	-0.255	-0.057	0	0	0	0	0	0	XR_035361	PREDICTED: RIKEN cDNA 9130230L23 gene (9130230L23Rik), misc RNA.	Mme-M400004870	ILMN_2625233	0	0
75758	9130401M01Rik	-0.133	-0.052	-0.027	0	0	0	0	0	0	NM_029418	RIKEN cDNA 9130401M01 gene (9130401M01Rik), mRNA.	Mme-M200006857	ILMN_2754054	0	0
619326	9130409I23Rik	0.018	0.040	-0.091	0	0	0	0	0	0	NM_001033819	RIKEN cDNA 9130409I23 gene (9130409I23Rik), mRNA.	Mme-M300011758	ILMN_2830666	0	0
77705	9230104L09Rik	-0.290	0.051	-0.073	0	0	0	0	0	0	NM_029960	RIKEN cDNA 9230104L09 gene (9230104L09Rik), mRNA.	Mme-M200011361	ILMN_2722414	0	0
223413	9230109A22Rik	0.022	-0.035	0.034	0	0	0	0	0	0	XR_035238	PREDICTED: RIKEN cDNA 9230109A22 gene (9230109A22Rik), misc RNA.	Mme-M300021886	ILMN_2664439	0	0
234912	9230110C19Rik	0.100	0.021	0.032	0	0	0	0	0	0	NM_199017	RIKEN cDNA 9230110C19 gene (9230110C19Rik), mRNA.	Mme-M400004329	ILMN_2767819	0	0
77080	9230110F15Rik	-0.093	-0.072	0.074	0	0	0	0	0	0	XM_134713	PREDICTED: RIKEN cDNA 9230110F15 gene (9230110F15Rik), mRNA.	Mme-M300008073	ILMN_1249520	0	0
78243	9230112D13Rik	-0.060	0.003	0.034	0	0	0	0	0	0	XM_127665	PREDICTED: RIKEN cDNA 9230112D13 gene (9230112D13Rik), mRNA.	Mme-M200008895	ILMN_1247914	0	0
231014	9330182L06Rik	0.313	0.023	0.034	0	0	0	0	0	0	NM_172706	RIKEN cDNA 9330182L06 gene (9330182L06Rik), mRNA.	Mme-M300013744	ILMN_1234490	0	0
381572	9430007A20Rik	0.139	-0.862	-0.010	0	-1	0	0	-1	0	NM_198662	RIKEN cDNA 9430007A20 gene (9430007A20Rik), mRNA.	Mme-M300006178	ILMN_2723726	0	1
230996	9430015G10Rik	-0.080	0.242	-0.066	0	0	0	0	0	0	NM_145557	RIKEN cDNA 9430015G10 gene (9430015G10Rik), mRNA.	Mme-M400007023	ILMN_2627845	0	0
68115	9430016H08Rik	0.255	-0.004	-0.008	0	0	0	0	0	0	NM_001081181	RIKEN cDNA 9430016H08 gene (9430016H08Rik), mRNA.	Mme-M300004866	ILMN_1238912	0	0
240185	9430020K01Rik	0.123	-0.073	0.168	0	0	0	0	0	0	NM_001081963	RIKEN cDNA 9430020K01 gene (9430020K01Rik), mRNA.	Mme-M300009053	ILMN_2474515	0	0
77252	9430038I01Rik	0.073	0.180	0.065	0	0	0	0	0	0	XM_925223	PREDICTED: RIKEN cDNA 9430038I01 gene, transcript variant 9 (9430038I01Rik), mRNA.	Mme-M400002341	ILMN_2601254	0	0
320321	9430077A04Rik	-0.103	-0.060	-0.080	0	0	0	0	0	0	XR_035224	PREDICTED: RIKEN cDNA 9430077A04 gene (9430077A04Rik), misc RNA.	Mme-M300015956	ILMN_1253746	0	0
77432	9530002B09Rik	-0.020	0.093	-0.027	0	0	0	0	0	0	NM_023865	RIKEN cDNA 9530002B09 gene (9530002B09Rik), mRNA.	Mme-M200009939	ILMN_1230372	0	0
77397	9530003J23Rik	-0.159	-0.048	0.021	0	0	0	0	0	0	NM_029906	RIKEN cDNA 9530003J23 gene (9530003J23Rik), mRNA.	Mme-M300002045	ILMN_1216092	0	0
213673	9530068E07Rik	0.260	-0.158	-0.085	0	0	0	0	0	0	NM_153117	RIKEN cDNA 9530068E07 gene (9530068E07Rik), mRNA.	Mme-M400001884	ILMN_1253452	0	0
68283	9530077C05Rik	-0.049	-0.051	-0.028	0	0	0	0	0	0	NM_026739	RIKEN cDNA 9530077C05 gene (9530077C05Rik), mRNA.	Mme-M300010369	ILMN_2833152	0	0
320440	9530091C08Rik	0.011	-0.027	-0.069	0	0	0	0	0	0	NM_177159	RIKEN cDNA 9530091C08 gene (9530091C08Rik), mRNA.	Mme-M400012379	ILMN_2699803	0	0
328829	9830107B12Rik	-0.129	0.013	-0.045	0	0	0	0	0	0	NM_177824	RIKEN cDNA 9830107B12 gene (9830107B12Rik), mRNA.	Mme-M400000932	ILMN_1239752	0	0
268759	9930012K11Rik	-0.052	0.144	0.040	0	0	0	0	0	0	NM_001112735	RIKEN cDNA 9930012K11 gene (9930012K11Rik), transcript variant 2, mRNA.	Mme-M300015559	ILMN_2617552	0	0
240613	9930021J03Rik	-0.146	-0.065	-0.026	0	0	0	0	0	0	NM_172836	RIKEN cDNA 9930021J03 gene (9930021J03Rik), mRNA.	Mme-M400003118	ILMN_2626694	0	0
245240	9930111J21Rik2	0.140	0.327	-0.008	0	0	0	0	0	0	NM_173434	RIKEN cDNA 9930111J21 gene (9930111J21Rik), mRNA.	Mme-M400012268	ILMN_2685088	0	0
50518	a	-0.142	0.023	0.051	0	0	0	0	0	0	NM_015770	nonagouti (a), mRNA.	Mme-M200000724	ILMN_2456526	0	0
319266	A130010J15Rik	0.142	0.085	-0.080	0	0	0	0	0	0	NM_181048	RIKEN cDNA A130010J15 gene (A130010J15Rik), mRNA.	Mme-M400008699	ILMN_2869139	0	0
117586	A1bg	-0.183	-0.036	0.033	0	0	0	0	0	0	NM_001081067	alpha-1-B glycoprotein (A1bg), mRNA.	Mme-M400000566	ILMN_2529071	0	0
69865	A1cf	-0.068	0.121	-0.088	0	0	0	0	0	0	NM_001081074	APOBEC1 complementation factor (A1cf), mRNA.	Mme-M400004185	ILMN_2609121	0	0
319277	A230046K03Rik	0.135	-0.212	0.031	0	0	0	0	0	0	NM_001033375	RIKEN cDNA A230046K03 gene (A230046K03Rik), mRNA.	Mme-M300009412	ILMN_2720820	0	0
319278	A230050P20Rik	0.368	0.350	0.021	0	0	0	0	0	0	NM_175687	RIKEN cDNA A230050P20 gene (A230050P20Rik), mRNA.	Mme-M300011824	ILMN_2747472	0	0
320593	A230051N06Rik	0.321	0.007	-0.343	0	0	-1	0	0	0	XM_001480286	PREDICTED: RIKEN cDNA A230051N06 gene (A230051N06Rik), mRNA.	Mme-M400005444	ILMN_1246805	0	0
380787	A230065H16Rik	-0.357	0.195	0.073	0	0	0	0	0	0	NM_001101503	RIKEN cDNA A230065H16 gene (A230065H16Rik), mRNA.	Mme-M400004534	ILMN_1222045	0	0
232345	A2m	-0.152	-0.092	-0.020	0	0	0	0	0	0	NM_175628	alpha-2-macroglobulin (A2m), mRNA.	Mme-M300007009	ILMN_2627546	0	0
207686	A330021E22Rik	0.114	-0.088	-0.011	0	0	0	0	0	0	NM_172447	RIKEN cDNA A330021E22 gene (A330021E22Rik), mRNA.	Mme-M300012687	ILMN_2628236	0	0
381673	A330070K13Rik	0.015	-0.025	-0.037	0	0	0	0	0	0	XR_035246	PREDICTED: RIKEN cDNA A330070K13 gene (A330070K13Rik), misc RNA.	Mme-M400003972	ILMN_2765214	0	0
215493	A3galt2	-0.251	-0.214	-0.138	0	0	0	0	0	0	NM_001009819	alpha 1,3-galactosyltransferase 2 (isoglobotriaosylceramide synthase) (A3galt2), mRNA.	Mme-M400001118	ILMN_1239466	0	0
97159	A430005L14Rik	0.255	-0.077	-0.148	0	0	0	0	0	0	NM_175287	RIKEN cDNA A430005L14 gene (A430005L14Rik), mRNA.	Mme-M400003322	ILMN_1257788	0	0
243308	A430033K04Rik	-0.002	0.089	-0.019	0	0	0	0	0	0	NM_183025	RIKEN cDNA A430033K04 gene (A430033K04Rik), mRNA.	Mme-M400005375	ILMN_2754561	0	0
331195	A430089I19Rik	-0.144	-0.081	0.077	0	0	0	0	0	0	NM_177913	RIKEN cDNA A430089I19 gene (A430089I19Rik), mRNA.	Mme-M400012445	ILMN_1243342	0	0
403202	A430093F15Rik	-0.319	0.168	0.220	0	0	0	0	0	0	XR_035341	PREDICTED: RIKEN cDNA A430093F15 gene (A430093F15Rik), misc RNA.	Mme-M400004372	ILMN_1254452	0	0
214239	A430105I19Rik	0.171	-0.036	-0.026	0	0	0	0	0	0	NM_001001982	RIKEN cDNA A430105I19 gene (A430105I19Rik), mRNA.	Mme-M300016766	ILMN_1217464	0	0
239559	A4galt	-0.180	0.182	0.063	0	0	0	0	0	0	NM_001004150	alpha 1,4-galactosyltransferase (A4galt), mRNA.	Mme-M300018701	ILMN_3009373	0	0
333424	A4gnt	-0.065	0.039	0.090	0	0	0	0	0	0	NM_001077424	alpha-1,4-N-acetylglucosaminyltransferase (A4gnt), mRNA.	Mme-M400002078	ILMN_1219796	0	0
381384	A530006G24Rik	-0.019	0.092	-0.098	0	0	0	0	0	0	XR_034699	PREDICTED: RIKEN cDNA A530006G24 gene (A530006G24Rik), misc RNA.	Mme-M400003957	ILMN_1244108	0	0
319942	A530016L24Rik	-0.293	0.046	-0.065	0	0	0	0	0	0	NM_177039	RIKEN cDNA A530016L24 gene (A530016L24Rik), mRNA.	Mme-M400002704	ILMN_2637105	0	0
330578	A530021J07Rik	-0.146	-0.067	-0.004	0	0	0	0	0	0	XR_035179	PREDICTED: Riken cDNA A530021J07 gene (A530021J07Rik), misc RNA.	Mme-M400004500	ILMN_1215779	0	0
381287	A530032D15Rik	0.319	0.082	0.089	0	0	0	0	0	0	NM_213615	RIKEN cDNA A530032D15Rik gene (A530032D15Rik), mRNA.	Mme-M400005285	ILMN_2892518	0	0
328830	A530064D06Rik	-0.250	0.030	-0.076	0	0	0	0	0	0	NM_178796	RIKEN cDNA A530064D06 gene (A530064D06Rik), transcript variant 1, mRNA.	Mme-M400002823	ILMN_1229939	0	0
210373	A530095I07Rik	0.015	0.066	0.055	0	0	0	0	0	0	XR_035386	PREDICTED: RIKEN cDNA A530095I07 gene (A530095I07Rik), misc RNA.	Mme-M400003896	ILMN_1255121	0	0
319293	A530099J19Rik	-0.137	0.034	0.065	0	0	0	0	0	0	NM_175688	RIKEN cDNA A530099J19 gene (A530099J19Rik), mRNA.	Mme-M300018306	ILMN_1221040	0	0
319997	A630001G21Rik	0.116	0.239	0.136	0	0	0	0	0	0	XM_484889	PREDICTED: RIKEN cDNA A630001G21 gene, transcript variant 1 (A630001G21Rik), mRNA.	Mme-M400004238	ILMN_2498455	0	0
240041	A630033E08Rik	0.201	0.260	0.045	0	0	0	0	0	0	NM_177358	RIKEN cDNA A630033E08 gene (A630033E08Rik), transcript variant 2, mRNA.	Mme-M400006672	ILMN_1234412	0	0
320757	A630052C17Rik	0.035	0.113	0.022	0	0	0	0	0	0	XR_035180	PREDICTED: RIKEN cDNA A630052C17 gene (A630052C17Rik), misc RNA.	Mme-M300017160	ILMN_1254003	0	0
233544	A630091E08Rik	-0.311	-0.100	0.047	0	0	0	0	0	0	XR_035196	PREDICTED: RIKEN cDNA A630091E08 gene (A630091E08Rik), misc RNA.	Mme-M400005182	ILMN_2654885	0	0
212427	A730008H23Rik	-0.257	-0.054	-0.080	0	0	0	0	0	0	NM_172505	RIKEN cDNA A730008H23 gene (A730008H23Rik), mRNA.	Mme-M400004356	ILMN_1232341	0	0
320952	A730013G03Rik	0.071	0.015	0.010	0	0	0	0	0	0	XR_035313	PREDICTED: RIKEN cDNA A730013G03 gene (A730013G03Rik), misc RNA.	Mme-M300018229	ILMN_2712472	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
225583	A730017C20Rik	0.360	0.128	-0.309	0	0	-1	0	0	0	NM_173759	RIKEN cDNA A730017C20 gene (A730017C20Rik), mRNA.	Mme-M300021539	ILMN_1233444	0	0
74516	A730049H05Rik	-0.182	-0.032	-0.013	0	0	0	0	0	0	XR_035139	PREDICTED: RIKEN cDNA A730049H05 gene (A730049H05Rik), misc RNA.	Mme-M300019418	ILMN_2604298	0	0
320411	A730089K16Rik	-0.023	0.063	0.044	0	0	0	0	0	0	XR_035383	PREDICTED: RIKEN cDNA A730089K16 gene (A730089K16Rik), misc RNA.	Mme-M400012378	ILMN_2694446	0	0
442803	A830005F24Rik	0.043	0.025	-0.010	0	0	0	0	0	0	XM_001473764	PREDICTED: RIKEN cDNA A830005F24 gene (A830005F24Rik), mRNA.	Mme-M400004370	ILMN_1249797	0	0
320492	A830018L16Rik	-0.120	-0.076	0.118	0	0	0	0	0	0	NM_177173	RIKEN cDNA A830018L16 gene (A830018L16Rik), mRNA.	Mme-M300013704	ILMN_2616075	0	0
268391	A830031A19Rik	0.051	0.068	-0.017	0	0	0	0	0	0	XR_035331	PREDICTED: RIKEN cDNA A830031A19 gene (A830031A19Rik), misc RNA.	Mme-M400005012	ILMN_2741506	0	0
442842	A830035A12Rik	0.011	-0.129	-0.086	0	0	0	0	0	0	XM_920516	PREDICTED: RIKEN cDNA A830035A12 gene (A830035A12Rik), mRNA.	Mme-M400007316	ILMN_1255466	0	0
382252	A830080D01Rik	0.205	-0.009	0.142	0	0	0	0	0	0	NM_001033472	RIKEN cDNA A830080D01 gene (A830080D01Rik), mRNA.	Mme-M300015191	ILMN_2962575	0	0
320004	A930002H24Rik	-0.090	-0.095	-0.005	0	0	0	0	0	0	XM_001478480	PREDICTED: RIKEN cDNA A930002H24 gene (A930002H24Rik), mRNA.	Mme-M300016455	ILMN_1222565	0	0
68162	A930003A15Rik	-0.132	0.062	0.015	0	0	0	0	0	0	XR_035329	PREDICTED: RIKEN cDNA A930003A15 gene (A930003A15Rik), misc RNA.	Mme-M400014889	ILMN_2477155	0	0
77940	A930004D18Rik	-0.009	-0.055	-0.056	0	0	0	0	0	0	XR_035303	PREDICTED: RIKEN cDNA A930004D18 gene (A930004D18Rik), misc RNA.	Mme-M400004689	ILMN_2568998	0	0
77798	A930009A15Rik	-0.270	-0.036	-0.033	0	0	0	0	0	0	XM_902233	PREDICTED: RIKEN cDNA A930009A15 gene (A930009A15Rik), mRNA.	Mme-M400014897	ILMN_1218755	0	0
239410	A930017M01Rik	0.043	-0.056	-0.071	0	0	0	0	0	0	XR_035197	PREDICTED: RIKEN cDNA A930017M01 gene (A930017M01Rik), misc RNA.	Mme-M400005984	ILMN_1239505	0	0
68243	A930018P22Rik	-0.124	0.065	-0.120	0	0	0	0	0	0	NM_026634	RIKEN cDNA A930018P22 gene (A930018P22Rik), mRNA.	Mme-M200010040	ILMN_2739829	0	0
245350	AA414768	0.185	-0.085	-0.016	0	0	0	0	0	0	XM_141626	PREDICTED: similar to Ubiquitin-conjugating enzyme E2Q (putative) 2 (LOC245350), mRNA.	Mme-M400002747	ILMN_2532035	0	0
433752	AA415398	-0.034	-0.206	0.030	0	0	0	0	0	0	NM_001004178	expressed sequence AA415398 (AA415398), mRNA.	Mme-M400007748	ILMN_3160592	0	0
433470	AA467197	0.465	0.513	0.229	0	1	0	0	0	0	NM_001004174	expressed sequence AA467197 (AA467197), mRNA.	Mme-M400001535	ILMN_3160750	0	0
212439	AA986860	0.215	0.035	-0.045	0	0	0	0	0	0	NM_177604	expressed sequence AA986860 (AA986860), mRNA.	Mme-M300013741	ILMN_2595232	0	0
223921	Aaas	0.054	0.149	-0.095	0	0	0	0	0	0	NM_153416	achalasia, adrenocortical insufficiency, alacrimia (Aaas), mRNA.	Mme-M300010491	ILMN_2600198	0	0
78894	Aacs	0.096	-0.322	0.078	0	0	0	0	0	0	NM_030210	acetoacetyl-CoA synthetase (Aacs), mRNA.	Mme-M200013654	ILMN_1253601	0	0
67758	Aadac	0.350	-0.143	0.053	0	0	0	0	0	0	NM_023383	arylacetamide deacetylase (esterase) (Aadac), mRNA.	Mme-M200004926	ILMN_2728813	0	0
230883	Aadacl3	0.128	-0.086	-0.058	0	0	0	0	0	0	NM_001085503	arylacetamide deacetylase-like 3 (Aadacl3), mRNA.	Mme-M400007955	ILMN_1240709	0	0
23923	Aadat	-0.036	0.006	-0.026	0	0	0	0	0	0	NM_011834	aminoadipate aminotransferase (Aadat), mRNA.	Mme-M300011345	ILMN_2594302	0	0
66129	Aaed1	0.269	-0.107	0.108	0	0	0	0	0	0	NM_025370	RIKEN cDNA 1110018J18 gene (1110018J18Rik), mRNA.	Mme-M200007798	ILMN_2674655	0	0
66939	Aagab	-0.154	-0.182	0.178	0	0	0	0	0	0	NM_025857	RIKEN cDNA 2310007F21 gene (2310007F21Rik), mRNA.	Mme-M200007544	ILMN_2892904	0	0
269774	Aak1	-0.114	-0.115	0.125	0	0	0	0	0	0	NM_177762	AP2 associated kinase 1 (Aak1), transcript variant 2, mRNA.	Mme-M400010443	ILMN_3127491	0	0
66273	Aamdc	0.102	-0.048	0.007	0	0	0	0	0	0	NM_183251	RIKEN cDNA 1810020D17 gene (1810020D17Rik), mRNA.	Mme-M400001829	ILMN_2896944	0	0
227290	Aamp	0.007	-0.016	-0.059	0	0	0	0	0	0	NM_146110	angio-associated migratory protein (Aamp), mRNA.	Mme-M300000777	ILMN_1234981	0	0
11298	Aanat	-0.148	0.084	0.016	0	0	0	0	0	0	NM_009591	arylalkylamine N-acetyltransferase (Aanat), mRNA.	Mme-M300002399	ILMN_2671661	0	0
68295	Aar2	0.045	-0.014	-0.009	0	0	0	0	0	0	NM_026661	RIKEN cDNA 0610011L14 gene (0610011L14Rik), mRNA.	Mme-M200006431	ILMN_2601546	0	0
239435	Aard	-0.038	-0.105	-0.062	0	0	0	0	0	0	NM_175503	alanine and arginine rich domain containing protein (Aard), mRNA.	Mme-M400012317	ILMN_1237572	0	0
234734	Aars	0.027	-0.134	-0.032	0	0	0	0	0	0	NM_146217	alanyl-tRNA synthetase (Aars), mRNA.	Mme-M300007998	ILMN_1258394	0	0
224805	Aars2	-0.293	-0.124	0.062	0	0	0	0	0	0	NM_198608	alanyl-tRNA synthetase 2, mitochondrial (putative) (Aars2), nuclear gene encoding mitochondrial protein, mRNA	Mme-M300003822	ILMN_2876302	0	0
69684	Aarsd1	-0.014	-0.037	-0.173	0	0	0	0	0	0	NM_144829	alanyl-tRNA synthetase domain containing 1 (Aarsd1), mRNA.	Mme-M200009928	ILMN_2918440	0	0
231326	Aasdh	-0.564	-0.199	0.085	0	0	0	0	0	0	NM_173765	aminoadipate-semialdehyde dehydrogenase (Aasdh), mRNA.	Mme-M400005346	ILMN_1221418	0	0
67618	Aasdhppt	0.118	-0.080	0.100	0	0	0	0	0	0	NM_026276	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase (Aasdhppt), mRNA.	Mme-M200007457	ILMN_2644455	0	0
30956	Aass	-0.147	-0.096	0.044	0	0	0	0	0	0	NM_013930	aminoadipate-semialdehyde synthase (Aass), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300016099	ILMN_2657685	0	0
56321	Aatf	0.119	0.170	0.089	0	0	0	0	0	0	NM_019816	apoptosis antagonizing transcription factor (Aatf), mRNA.	Mme-M300001718	ILMN_3047301	0	0
11302	Aatk	0.042	-0.070	-0.029	0	0	0	0	0	0	NM_007377	apoptosis-associated tyrosine kinase (Aatk), mRNA.	Mme-M200002438	ILMN_1231439	0	0
382062	AB124611	-0.127	0.489	0.111	0	1	0	0	0	0	NM_206536	cDNA sequence AB124611 (AB124611), mRNA.	Mme-M400005814	ILMN_2719139	0	0
268860	Abat	-0.116	0.181	0.212	0	0	0	0	0	0	NM_172961	4-aminobutyrate aminotransferase (Abat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300003468	ILMN_1248367	0	0
11303	Abca1	-0.211	0.066	0.032	0	0	0	0	0	0	NM_013454	ATP-binding cassette, sub-family A (ABC1), member 1 (Abca1), mRNA.	Mme-M200000130	ILMN_1226851	0	0
74591	Abca12	-0.154	0.041	-0.017	0	0	0	0	0	0	XM_987225	PREDICTED: ATP-binding cassette, sub-family A (ABC1), member 12, transcript variant 2 (Abca12), mRNA.	Mme-M300021000	ILMN_1228438	0	0
268379	Abca13	0.130	0.035	0.041	0	0	0	0	0	0	NM_178259	ATP-binding cassette, sub-family A (ABC1), member 13 (Abca13), mRNA.	Mme-M400003547	ILMN_2931277	0	0
67928	Abca14	-0.353	-0.089	-0.060	0	0	0	0	0	0	NM_026458	ATP-binding cassette, sub-family A (ABC1), member 14 (Abca14), mRNA.	Mme-M400007643	ILMN_2856262	0	0
320631	Abca15	-0.073	-0.085	0.092	0	0	0	0	0	0	NM_177213	ATP-binding cassette, sub-family A (ABC1), member 15 (Abca15), mRNA.	Mme-M300009721	ILMN_2598661	0	0
381072	Abca17	-0.418	0.028	-0.050	0	0	0	0	0	0	NM_001031621	ATP-binding cassette, sub-family A (ABC1), member 17 (Abca17), mRNA.	Mme-M400001809	ILMN_1220528	0	0
11305	Abca2	0.012	0.117	0.016	0	0	0	0	0	0	NM_007379	ATP-binding cassette, sub-family A (ABC1), member 2 (Abca2), mRNA.	Mme-M200000837	ILMN_1216987	0	0
27410	Abca3	-0.138	-0.163	-0.091	0	0	0	0	0	0	NM_001039581	ATP-binding cassette, sub-family A (ABC1), member 3 (Abca3), transcript variant 2, mRNA.	Mme-M300003929	ILMN_1243488	0	0
11304	Abca4	-0.143	-0.079	-0.194	0	0	0	0	0	0	NM_007378	ATP-binding cassette, sub-family A (ABC1), member 4 (Abca4), mRNA.	Mme-M200001506	ILMN_2829604	0	0
217265	Abca5	-0.119	-0.131	-0.049	0	0	0	0	0	0	NM_147219	ATP-binding cassette, sub-family A (ABC1), member 5 (Abca5), mRNA.	Mme-M300001727	ILMN_1218274	0	0
76184	Abca6	-0.279	-0.143	0.065	0	0	0	0	0	0	NM_147218	ATP-binding cassette, sub-family A (ABC1), member 6 (Abca6), mRNA.	Mme-M300015745	ILMN_2965612	0	0
27403	Abca7	-0.254	0.142	-0.216	0	0	0	0	0	0	NM_013850	ATP-binding cassette, sub-family A (ABC1), member 7 (Abca7), mRNA.	Mme-M200008508	ILMN_1221703	0	0
217258	Abca8a	-0.180	0.009	-0.070	0	0	0	0	0	0	NM_153145	ATP-binding cassette, sub-family A (ABC1), member 8a (Abca8a), mRNA.	Mme-M300013375	ILMN_2686700	0	0
27404	Abca8b	0.077	-0.069	-0.071	0	0	0	0	0	0	NM_013851	ATP-binding cassette, sub-family A (ABC1), member 8b (Abca8b), mRNA.	Mme-M400011229	ILMN_2718700	0	0
217262	Abca9	0.055	-0.256	0.351	0	0	1	0	0	0	NM_147220	ATP-binding cassette, sub-family A (ABC1), member 9 (Abca9), mRNA.	Mme-M300013363	ILMN_1253984	0	0
56199	Abcb10	0.036	0.181	-0.047	0	0	0	0	0	0	NM_019552	ATP-binding cassette, sub-family B (MDR/TAP), member 10 (Abcb10), nuclear gene encoding mitochondrial prot	Mme-M300008007	ILMN_2591782	0	0
27413	Abcb11	0.137	-0.063	0.103	0	0	0	0	0	0	NM_021022	ATP-binding cassette, sub-family B (MDR/TAP), member 11 (Abcb11), mRNA.	Mme-M300005446	ILMN_2758509	0	0
18671	Abcb1a	0.333	-0.033	-0.051	0	0	0	0	0	0	NM_011076	ATP-binding cassette, sub-family B (MDR/TAP), member 1A (Abcb1a), mRNA.	Mme-M400002395	ILMN_2768563	0	0
18669	Abcb1b	0.212	0.147	0.008	0	0	0	0	0	0	NM_011075	ATP-binding cassette, sub-family B (MDR/TAP), member 1B (Abcb1b), mRNA.	Mme-M200016221	ILMN_2918499	0	0
18670	Abcb4	0.034	0.102	0.007	0	0	0	0	0	0	NM_008830	ATP-binding cassette, sub-family B (MDR/TAP), member 4 (Abcb4), mRNA.	Mme-M200003284	ILMN_2648742	0	0
74104	Abcb6	0.146	0.099	-0.005	0	0	0	0	0	0	NM_023732	ATP-binding cassette, sub-family B (MDR/TAP), member 6 (Abcb6), nuclear gene encoding mitochondrial protei	Mme-M200006115	ILMN_2833596	0	0
11306	Abcb7	0.043	-0.163	0.017	0	0	0	0	0	0	NM_009592	ATP-binding cassette, sub-family B (MDR/TAP), member 7 (Abcb7), nuclear gene encoding mitochondrial protei	Mme-M400001359	ILMN_2647744	0	0
74610	Abcb8	-0.042	-0.049	-0.163	0	0	0	0	0	0	NM_029020	ATP-binding cassette, sub-family B (MDR/TAP), member 8 (Abcb8), nuclear gene encoding mitochondrial protei	Mme-M200004343	ILMN_2590908	0	0
56325	Abcb9	0.054	-0.180	-0.123	0	0	0	0	0	0	NM_019875	ATP-binding cassette, sub-family B (MDR/TAP), member 9 (Abcb9), mRNA.	Mme-M200013524	ILMN_2597248	0	0
17250	Abcc1	0.167	0.073	-0.018	0	0	0	0	0	0	NM_008576	ATP-binding cassette, sub-family C (CFTR/MRP), member 1 (Abcc1), mRNA.	Mme-M200012732	ILMN_1248173	0	0
224814	Abcc10	-0.285	-0.067	0.078	0	0	0	0	0	0	NM_170680	ATP-binding cassette, sub-family C (CFTR/MRP), member 10 (Abcc10), transcript variant mrp7B, mRNA.	Mme-M300008477	ILMN_2660048	0	0
244562	Abcc12	-0.271	-0.043	-0.057	0	0	0	0	0	0	NM_172912	ATP-binding cassette, sub-family C (CFTR/MRP), member 12 (Abcc12), mRNA.	Mme-M300010584	ILMN_1246917	0	0
12780	Abcc2	-0.167	0.093	-0.043	0	0	0	0	0	0	NM_013806	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 (Abcc2), mRNA.	Mme-M400000802	ILMN_2655359	0	0
76408	Abcc3	0.035	0.090	-0.036	0	0	0	0	0	0	NM_029600	ATP-binding cassette, sub-family C (CFTR/MRP), member 3 (Abcc3), mRNA.	Mme-M200004731	ILMN_2685157	0	0
239273	Abcc4	-0.015	-0.145	0.095	0	0	0	0	0	0	NM_001033336	ATP-binding cassette, sub-family C (CFTR/MRP), member 4 (Abcc4), mRNA.	Mme-M300008482	ILMN_2621708	0	0
27416	Abcc5	-0.143	0.113	0.156	0	0	0	0	0	0	NM_013790	ATP-binding cassette, sub-family C (CFTR/MRP), member 5 (Abcc5), transcript variant 1, mRNA.	Mme-M300003530	ILMN_2702171	0	0
27421	Abcc6	-0.292	0.014	0.006	0	0	0	0	0	0	NM_018795	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (Abcc6), mRNA.	Mme-M200015113	ILMN_2934941	0	0
20927	Abcc8	-0.199	0.008	-0.096	0	0	0	0	0	0	NM_011510	ATP-binding cassette, sub-family C (CFTR/MRP), member 8 (Abcc8), mRNA.	Mme-M300007447	ILMN_2645526	0	0
20928	Abcc9	0.348	0.163	0.105	0	0	0	0	0	0	NM_011511	ATP-binding cassette, sub-family C (CFTR/MRP), member 9 (Abcc9), transcript variant 1, mRNA.	Mme-M200007785	ILMN_1253491	0	0
11666	Abcd1	0.143	0.111	0.097	0	0	0	0	0	0	NM_007435	ATP-binding cassette, sub-family D (ALD), member 1 (Abcd1), mRNA.	Mme-M200000128	ILMN_1245447	0	0
26874	Abcd2	0.156	0.072	0.055	0	0	0	0	0	0	NM_011994	ATP-binding cassette, sub-family D (ALD), member 2 (Abcd2), mRNA.	Mme-M300003418	ILMN_1243944	0	0
19299	Abcd3	0.179	-0.321	0.057	0	0	0	0	0	0	NM_008991	ATP-binding cassette, sub-family D (ALD), member 3 (Abcd3), mRNA.	Mme-M300005953	ILMN_2447373	0	0
19300	Abcd4	0.157	-0.101	-0.030	0	0	0	0	0	0	NM_008992	ATP-binding cassette, sub-family D (ALD), member 4 (Abcd4), mRNA.	Mme-M200012219	ILMN_2607474	0	0
24015	Abce1	-0.067	-0.106	0.166	0	0	0	0	0	0	NM_015751	ATP-binding cassette, sub-family E (OABP), member 1 (Abce1), mRNA.	Mme-M400006297	ILMN_2982652	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
224742	Abcf1	0.195	0.201	-0.276	0	0	0	0	0	0	NM_013854	ATP-binding cassette, sub-family F (GCN20), member 1 (Abcf1), mRNA.	Mme-M200006528	ILMN_2768926	0	0
27407	Abcf2	0.138	0.150	-0.141	0	0	0	0	0	0	NM_013853	ATP-binding cassette, sub-family F (GCN20), member 2 (Abcf2), nuclear gene encoding mitochondrial protein, m	Mme-M200004178	ILMN_2789544	0	0
27406	Abcf3	-0.003	0.187	0.042	0	0	0	0	0	0	NM_013852	ATP-binding cassette, sub-family F (GCN20), member 3 (Abcf3), mRNA.	Mme-M300000388	ILMN_2432092	0	0
11307	Abcg1	0.062	0.162	0.029	0	0	0	0	0	0	NM_009593	ATP-binding cassette, sub-family G (WHITE), member 1 (Abcg1), mRNA.	Mme-M200003392	ILMN_2441335	0	0
26357	Abcg2	-0.002	-0.035	-0.037	0	0	0	0	0	0	NM_011920	ATP-binding cassette, sub-family G (WHITE), member 2 (Abcg2), mRNA.	Mme-M200012772	ILMN_2728879	0	0
27405	Abcg3	-0.141	0.022	0.044	0	0	0	0	0	0	NM_030239	ATP-binding cassette, sub-family G (WHITE), member 3 (Abcg3), mRNA.	Mme-M200008416	ILMN_2649306	0	0
192663	Abcg4	-0.102	-0.032	-0.146	0	0	0	0	0	0	NM_138955	ATP-binding cassette, sub-family G (WHITE), member 4 (Abcg4), mRNA.	Mme-M200008461	ILMN_1225587	0	0
27409	Abcg5	-0.323	-0.148	0.039	0	0	0	0	0	0	NM_031884	ATP-binding cassette, sub-family G (WHITE), member 5 (Abcg5), mRNA.	Mme-M200007462	ILMN_2725781	0	0
67470	Abcg8	-0.191	-0.204	-0.032	0	0	0	0	0	0	NM_026180	ATP-binding cassette, sub-family G (WHITE), member 8 (Abcg8), mRNA.	Mme-M200005297	ILMN_2789904	0	0
57742	Abhd1	0.022	-0.148	-0.126	0	0	0	0	0	0	NM_021304	abhydrolase domain containing 1 (Abhd1), mRNA.	Mme-M200015552	ILMN_2672778	0	0
213012	Abhd10	-0.130	0.224	-0.098	0	0	0	0	0	0	NM_172511	abhydrolase domain containing 10 (Abhd10), mRNA.	Mme-M400008999	ILMN_1231518	0	0
68758	Abhd11	0.206	0.064	-0.075	0	0	0	0	0	0	NM_145215	abhydrolase domain containing 11 (Abhd11), mRNA.	Mme-M200005157	ILMN_2453209	0	0
76192	Abhd12	-0.083	-0.034	0.156	0	0	0	0	0	0	NM_024465	abhydrolase domain containing 12 (Abhd12), mRNA.	Mme-M300008042	ILMN_2774267	0	0
68904	Abhd13	0.188	0.038	-0.080	0	0	0	0	0	0	NM_001081119	abhydrolase domain containing 13 (Abhd13), mRNA.	Mme-M200009400	ILMN_2425360	0	0
68644	Abhd14a	0.084	0.097	-0.114	0	0	0	0	0	0	NM_001110272	abhydrolase domain containing 14A (Abhd14a), transcript variant 3, mRNA.	Mme-M400011918	ILMN_2773286	0	0
76491	Abhd14b	0.010	-0.332	0.029	0	0	0	0	0	0	NM_029631	abhydrolase domain containing 14b (Abhd14b), mRNA.	Mme-M300013490	ILMN_3007862	0	0
67477	Abhd15	-0.089	-0.002	-0.015	0	0	0	0	0	0	NM_026185	RIKEN cDNA 1300007F04 gene (1300007F04Rik), mRNA.	Mme-M200014313	ILMN_1234692	0	0
193742	Abhd16a	0.029	-0.035	-0.015	0	0	0	0	0	0	NM_178592	HLA-B associated transcript 5 (Bat5), mRNA.	Mme-M300000871	ILMN_2731523	0	0
241850	Abhd16b	-0.303	0.079	-0.034	0	0	0	0	0	0	NM_183181	cDNA sequence BC050777 (BC050777), mRNA.	Mme-M400005334	ILMN_1239850	0	0
216169	Abhd17a	0.106	-0.082	-0.110	0	0	0	0	0	0	NM_145421	DNA segment, Chr 10, Brigham & Women's Genetics 1364 expressed (D10Bwg1364e), mRNA.	Mme-M300000407	ILMN_3163027	0	0
226016	Abhd17b	0.136	-0.069	0.184	0	0	0	0	0	0	NM_146096	RIKEN cDNA 5730446C15 gene (5730446C15Rik), mRNA.	Mme-M400011926	ILMN_2734234	0	0
54608	Abhd2	-0.257	0.138	-0.044	0	0	0	0	0	0	NM_018811	abhydrolase domain containing 2 (Abhd2), mRNA.	Mme-M200015835	ILMN_2620767	0	0
106861	Abhd3	0.037	0.179	0.063	0	0	0	0	0	0	NM_134130	abhydrolase domain containing 3 (Abhd3), mRNA.	Mme-M200002483	ILMN_2677728	0	0
105501	Abhd4	-0.023	0.084	-0.159	0	0	0	0	0	0	NM_134076	abhydrolase domain containing 4 (Abhd4), mRNA.	Mme-M200006160	ILMN_2713464	0	0
67469	Abhd5	-0.156	0.047	0.167	0	0	0	0	0	0	NM_026179	abhydrolase domain containing 5 (Abhd5), mRNA.	Mme-M200002915	ILMN_2739295	0	0
66082	Abhd6	0.007	0.054	0.046	0	0	0	0	0	0	NM_025341	abhydrolase domain containing 6 (Abhd6), mRNA.	Mme-M200011999	ILMN_2762772	0	0
64296	Abhd8	-0.252	0.052	-0.099	0	0	0	0	0	0	NM_022419	abhydrolase domain containing 8 (Abhd8), mRNA.	Mme-M200004458	ILMN_3002505	0	0
11308	Abi1	0.027	-0.110	0.068	0	0	0	0	0	0	NM_001077193	abl-interactor 1 (Abi1), transcript variant 5, mRNA.	Mme-M400008055	ILMN_1234139	0	0
329165	Abi2	-0.159	-0.179	0.118	0	0	0	0	0	0	NM_198127	abl-interactor 2 (Abi2), mRNA.	Mme-M300004897	ILMN_3006644	0	0
66610	Abi3	0.070	0.301	0.119	0	0	0	0	0	0	NM_025659	ABI gene family, member 3 (Abi3), mRNA.	Mme-M300001666	ILMN_1223041	0	0
320712	Abi3bp	0.316	0.271	0.010	0	0	0	0	0	0	NM_001014399	ABI gene family, member 3 (NESH) binding protein (Abi3bp), transcript variant 3, mRNA.	Mme-M300009812	ILMN_3132588	0	0
11350	Abl1	0.348	0.065	-0.066	0	0	0	0	0	0	NM_009594	c-abl oncogene 1, receptor tyrosine kinase (Abl1), transcript variant 2, mRNA.	Mme-M400010952	ILMN_2796842	0	0
11352	Abl2	0.178	0.070	0.003	0	0	0	0	0	0	NM_009595	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene) (Abl2), mRNA.	Mme-M400017746	ILMN_2698137	0	0
226251	Ablim1	-0.295	-0.098	0.025	0	0	0	0	0	0	NM_001103178	actin-binding LIM protein 1 (Ablim1), transcript variant 3, mRNA.	Mme-M400013299	ILMN_2958692	0	0
231148	Ablim2	0.193	0.208	-0.066	0	0	0	0	0	0	NM_177678	actin-binding LIM protein 2 (Ablim2), mRNA.	Mme-M300006487	ILMN_1250869	0	0
319713	Ablim3	-0.041	0.089	0.055	0	0	0	0	0	0	NM_198649	actin binding LIM protein family, member 3 (Ablim3), mRNA.	Mme-M300008408	ILMN_1233130	0	0
80908	Abo	-0.218	0.144	0.100	0	0	0	0	0	0	NM_030718	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase, transferase B, alpha 1-3-galactos	Mme-M200011580	ILMN_2824783	0	0
109934	Abr	-0.142	-0.069	-0.104	0	0	0	0	0	0	NM_198894	active BCR-related gene (Abr), transcript variant 2, mRNA.	Mme-M300001591	ILMN_2687062	0	0
223513	Abra	0.837	0.144	-0.017	1	0	0	0	0	0	NM_175456	actin-binding Rho activating protein (Abra), mRNA.	Mme-M300013987	ILMN_2732401	0	0
73112	Abracl	0.369	0.045	-0.041	0	0	0	0	0	0	NM_028440	RIKEN cDNA 3110003A17 gene (3110003A17Rik), mRNA.	Mme-M200005858	ILMN_2532903	0	0
30946	Abt1	0.160	-0.174	0.058	0	0	0	0	0	0	NM_013924	activator of basal transcription 1 (Abt1), mRNA.	Mme-M200000184	ILMN_2754859	0	0
80283	Abtb1	0.030	-0.040	-0.068	0	0	0	0	0	0	NM_030251	ankyrin repeat and BTB (POZ) domain containing 1 (Abtb1), mRNA.	Mme-M200013604	ILMN_2699477	0	0
99382	Abtb2	0.050	0.034	-0.067	0	0	0	0	0	0	NM_178890	ankyrin repeat and BTB (POZ) domain containing 2 (Abtb2), mRNA.	Mme-M300008403	ILMN_2634654	0	0
113868	Acaa1a	0.070	-0.132	0.046	0	0	0	0	0	0	NM_130864	acetyl-Coenzyme A acyltransferase 1A (Acaa1a), mRNA.	Mme-M400001878	ILMN_2762728	0	0
235674	Acaa1b	-0.044	-0.548	-0.045	0	-1	0	0	0	0	NM_146230	acetyl-Coenzyme A acyltransferase 1B (Acaa1b), mRNA.	Mme-M300001109	ILMN_2659997	0	0
52538	Acaa2	0.073	0.092	-0.364	0	0	-1	0	0	0	NM_177470	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase) (Acaa2), nuclear gene enco	Mme-M200009398	ILMN_2704822	0	0
107476	Acaca	-0.171	-0.271	0.085	0	0	0	0	0	0	NM_133360	acetyl-Coenzyme A carboxylase alpha (Acaca), mRNA.	Mme-M400005951	ILMN_1258600	0	0
100705	Acacb	0.138	-0.306	-0.119	0	0	0	0	0	0	NM_133904	acetyl-Coenzyme A carboxylase beta (Acacb), mRNA.	Mme-M300013468	ILMN_2421890	0	0
71985	Acad10	0.118	-0.039	-0.136	0	0	0	0	0	0	NM_028037	acyl-Coenzyme A dehydrogenase family, member 10 (Acad10), mRNA.	Mme-M400001169	ILMN_2744129	0	0
102632	Acad11	0.191	-0.116	-0.099	0	0	0	0	0	0	NM_175324	acyl-Coenzyme A dehydrogenase family, member 11 (Acad11), mRNA.	Mme-M300013340	ILMN_2689265	0	0
338350	Acad12	-0.189	-0.210	-0.117	0	0	0	0	0	0	XM_488540	PREDICTED: RIKEN cDNA 9330129D05 gene, transcript variant 1 (9330129D05Rik), mRNA.	Mme-M300013814	ILMN_2644161	0	0
66948	Acad8	0.146	0.063	-0.167	0	0	0	0	0	0	NM_025862	acyl-Coenzyme A dehydrogenase family, member 8 (Acad8), mRNA.	Mme-M300008003	ILMN_2615170	0	0
229211	Acad9	0.135	-0.125	-0.129	0	0	0	0	0	0	NM_172678	acyl-Coenzyme A dehydrogenase family, member 9 (Acad9), mRNA.	Mme-M200006067	ILMN_1253361	0	0
11363	Acadl	0.073	0.076	0.217	0	0	0	0	0	0	NM_007381	acyl-Coenzyme A dehydrogenase, long-chain (Acadl), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300004882	ILMN_2689473	0	0
11364	Acadm	0.215	0.063	0.164	0	0	0	0	0	0	NM_007382	acyl-Coenzyme A dehydrogenase, medium chain (Acadm), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000681	ILMN_1256019	0	0
11409	Acads	0.119	0.108	-0.138	0	0	0	0	0	0	NM_007383	acyl-Coenzyme A dehydrogenase, short chain (Acads), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003675	ILMN_2806676	0	0
66885	Acadsb	-0.044	-0.107	0.005	0	0	0	0	0	0	NM_025826	acyl-Coenzyme A dehydrogenase, short/branched chain (Acadsb), nuclear gene encoding mitochondrial protein,	Mme-M400001317	ILMN_2614728	0	0
11370	Acadvl	0.295	-0.203	-0.228	0	0	0	0	0	0	NM_017366	acyl-Coenzyme A dehydrogenase, very long chain (Acadvl), nuclear gene encoding mitochondrial protein, mRNA	Mme-M400011283	ILMN_2775586	0	0
11595	Acan	0.229	0.092	-0.038	0	0	0	0	0	0	NM_007424	aggrecan (Acan), mRNA.	Mme-M300007320	ILMN_2639818	0	0
216859	Acap1	0.019	0.394	0.394	0	0	1	0	0	0	NM_153788	centaurin, beta 1 (Centb1), mRNA.	Mme-M300000209	ILMN_2642969	0	0
78618	Acap2	0.022	-0.117	-0.062	0	0	0	0	0	0	NM_030138	centaurin, beta 2 (Centb2), mRNA.	Mme-M300003360	ILMN_1224273	0	0
140500	Acap3	-0.175	0.066	-0.166	0	0	0	0	0	0	NM_207223	centaurin, beta 5 (Centb5), mRNA.	Mme-M300006436	ILMN_1236232	0	0
110446	Acat1	-0.041	0.022	-0.043	0	0	0	0	0	0	NM_144784	acetyl-Coenzyme A acetyltransferase 1 (Acat1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300008045	ILMN_2643977	0	0
110460	Acat2	0.016	-0.057	0.074	0	0	0	0	0	0	NM_009338	acetyl-Coenzyme A acetyltransferase 2 (Acat2), mRNA.	Mme-M200012683	ILMN_1253008	0	0
224530	Acat3	-0.140	-0.086	-0.034	0	0	0	0	0	0	NM_153151	acetyl-Coenzyme A acetyltransferase 3 (Acat3), mRNA.	Mme-M300011835	ILMN_1216631	0	0
170760	Acbd3	0.059	-0.080	-0.049	0	0	0	0	0	0	NM_133225	acyl-Coenzyme A binding domain containing 3 (Acbd3), mRNA.	Mme-M200005889	ILMN_1235783	0	0
67131	Acbd4	0.030	0.139	-0.102	0	0	0	0	0	0	NM_025988	acyl-Coenzyme A binding domain containing 4 (Acbd4), transcript variant 1, mRNA.	Mme-M400005701	ILMN_3150296	0	0
74159	Acbd5	0.085	-0.039	-0.081	0	0	0	0	0	0	NM_001102436	acyl-Coenzyme A binding domain containing 5 (Acbd5), transcript variant 4, mRNA.	Mme-M300005279	ILMN_1220016	0	0
72482	Acbd6	0.014	-0.070	-0.047	0	0	0	0	0	0	NM_028250	acyl-Coenzyme A binding domain containing 6 (Acbd6), mRNA.	Mme-M300008896	ILMN_1232903	0	0
78245	Acbd7	0.222	-0.035	-0.064	0	0	0	0	0	0	NM_030063	acyl-Coenzyme A binding domain containing 7 (Acbd7), mRNA.	Mme-M300005222	ILMN_2755739	0	0
329470	Accs	-0.387	-0.058	-0.108	0	0	0	0	0	0	NM_183220	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional) (Accs), mRNA.	Mme-M200015784	ILMN_2776485	0	0
497652	Acd	0.072	0.119	-0.120	0	0	0	0	0	0	NM_001012638	adrenocortical dysplasia (Acd), mRNA.	Mme-M300011275	ILMN_2930819	0	0
70008	Ace2	-0.321	0.003	0.090	0	0	0	0	0	0	NM_027286	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (Ace2), mRNA.	Mme-M200003237	ILMN_1241584	0	0
171168	Acer1	-0.243	0.042	-0.036	0	0	0	0	0	0	NM_175731	N-acylsphingosine amidohydrolase (alkaline ceramidase) 3 (Asah3), mRNA.	Mme-M300015998	ILMN_2848871	0	0
230379	Acer2	0.077	-0.257	-0.035	0	0	0	0	0	0	NM_139306	N-acylsphingosine amidohydrolase 3-like (Asah3l), mRNA.	Mme-M200014150	ILMN_2629112	0	0
66190	Acer3	0.195	-0.129	0.205	0	0	0	0	0	0	NM_025408	phytoceramidase, alkaline (Phca), mRNA.	Mme-M300007417	ILMN_2681057	0	0
11423	Ache	-0.110	0.075	-0.049	0	0	0	0	0	0	NM_009599	acetylcholinesterase (Ache), mRNA.	Mme-M200001210	ILMN_1227999	0	0
13349	Ackr1	0.080	-0.023	-0.067	0	0	0	0	0	0	NM_010045	Duffy blood group, chemokine receptor (Darc), mRNA.	Mme-M400011002	ILMN_2656748	0	0
59289	Ackr2	-0.231	0.011	0.066	0	0	0	0	0	0	NM_021609	chemokine binding protein 2 (Ccbp2), mRNA.	Mme-M200009691	ILMN_2650557	0	0
252837	Ackr4	0.061	0.090	0.027	0	0	0	0	0	0	NM_145700	chemokine (C-C motif) receptor-like 1 (Ccrl1), mRNA.	Mme-M200013231	ILMN_2983624	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
104112	Acly	0.075	-0.109	-0.002	0	0	0	0	0	0	NM_134037	ATP citrate lyase (Acly), mRNA.	Mme-M200005104	ILMN_1240770	0	0
266645	Acmsd	0.093	-0.058	-0.046	0	0	0	0	0	0	NM_001033041	amino carboxymuconate semialdehyde decarboxylase (Acmsd), mRNA.	Mme-M300005058	ILMN_2626393	0	0
71238	Acn9	0.194	0.156	0.165	0	0	0	0	0	0	NM_001077713	ACN9 homolog (S. cerevisiae) (Acn9), mRNA.	Mme-M300013732	ILMN_2801568	0	0
209186	Acnat2	-0.066	-0.090	-0.030	0	0	0	0	0	0	NM_145368	RIKEN cDNA C730036D15 gene (C730036D15Rik), mRNA.	Mme-M400007208	ILMN_2709810	0	0
11428	Aco1	0.098	-0.137	0.095	0	0	0	0	0	0	NM_007386	aconitase 1 (Aco1), mRNA.	Mme-M200002038	ILMN_1216382	0	0
11429	Aco2	0.332	0.146	-0.253	0	0	0	0	0	0	NM_080633	aconitase 2, mitochondrial (Aco2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009777	ILMN_2748837	0	0
26897	Acot1	0.061	-0.545	0.043	0	-1	0	0	0	0	NM_012006	acyl-CoA thioesterase 1 (Acot1), mRNA.	Mme-M300013759	ILMN_3139875	0	0
64833	Acot10	0.175	0.035	0.111	0	0	0	0	0	0	NM_022816	acyl-CoA thioesterase 10 (Acot10), mRNA.	Mme-M400003317	ILMN_2762433	0	0
329910	Acot11	-0.415	0.105	0.145	0	0	0	0	0	0	NM_025590	acyl-CoA thioesterase 11 (Acot11), mRNA.	Mme-M200013196	ILMN_2799351	0	0
74156	Acot12	-0.145	-0.105	0.092	0	0	0	0	0	0	NM_028790	acyl-CoA thioesterase 12 (Acot12), mRNA.	Mme-M200014019	ILMN_2719650	0	0
66834	Acot13	0.052	-0.144	0.084	0	0	0	0	0	0	NM_025790	thioesterase superfamily member 2 (Them2), mRNA.	Mme-M200000808	ILMN_2961626	0	0
171210	Acot2	-0.110	-0.301	-0.163	0	0	0	0	0	0	NM_134188	acyl-CoA thioesterase 2 (Acot2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002637	ILMN_1243165	0	0
171281	Acot3	0.094	0.036	0.090	0	0	0	0	0	0	NM_134246	acyl-CoA thioesterase 3 (Acot3), mRNA.	Mme-M300002638	ILMN_2644827	0	0
171282	Acot4	-0.099	-0.149	0.077	0	0	0	0	0	0	NM_134247	acyl-CoA thioesterase 4 (Acot4), mRNA.	Mme-M300013757	ILMN_2622613	0	0
217698	Acot5	0.023	0.064	0.014	0	0	0	0	0	0	NM_145444	acyl-CoA thioesterase 5 (Acot5), mRNA.	Mme-M200008958	ILMN_2718421	0	0
70025	Acot7	-0.045	0.042	-0.068	0	0	0	0	0	0	NM_133348	acyl-CoA thioesterase 7 (Acot7), mRNA.	Mme-M200012813	ILMN_2660182	0	0
170789	Acot8	-0.147	-0.081	-0.045	0	0	0	0	0	0	NM_133240	acyl-CoA thioesterase 8 (Acot8), mRNA.	Mme-M200003657	ILMN_1250358	0	0
11430	Acox1	0.044	-0.089	0.052	0	0	0	0	0	0	NM_015729	acyl-Coenzyme A oxidase 1, palmitoyl (Acox1), mRNA.	Mme-M300002385	ILMN_1247196	0	0
93732	Acox2	0.129	-0.449	0.149	0	-1	0	0	0	0	NM_053115	acyl-Coenzyme A oxidase 2, branched chain (Acox2), mRNA.	Mme-M200006134	ILMN_1252618	0	0
80911	Acox3	-0.184	-0.093	0.142	0	0	0	0	0	0	NM_030721	acyl-Coenzyme A oxidase 3, pristanoyl (Acox3), mRNA.	Mme-M400001137	ILMN_2949844	0	0
74121	Acoxl	-0.019	-0.069	-0.038	0	0	0	0	0	0	NM_028765	acyl-Coenzyme A oxidase-like (Acoxl), mRNA.	Mme-M200014326	ILMN_1223777	0	0
11431	Acp1	-0.126	-0.097	0.400	0	0	1	0	0	0	NM_021330	acid phosphatase 1, soluble (Acp1), transcript variant 2, mRNA.	Mme-M200005250	ILMN_1226402	0	0
11432	Acp2	0.021	0.149	0.072	0	0	0	0	0	0	NM_007387	acid phosphatase 2, lysosomal (Acp2), mRNA.	Mme-M300000278	ILMN_2887075	0	0
11433	Acp5	0.399	0.007	-0.090	0	0	0	0	0	0	NM_007388	acid phosphatase 5, tartrate resistant (Acp5), transcript variant 3, mRNA.	Mme-M200014477	ILMN_2735660	0	0
66659	Acp6	0.157	0.092	-0.038	0	0	0	0	0	0	NM_019800	acid phosphatase 6, lysophosphatidic (Acp6), mRNA.	Mme-M200006243	ILMN_1242352	0	0
235534	Acpl2	0.102	-0.093	-0.083	0	0	0	0	0	0	NM_153420	acid phosphatase-like 2 (Acpl2), mRNA.	Mme-M300014651	ILMN_2609191	0	0
56318	Acpp	-0.413	-0.176	0.049	0	0	0	0	0	0	NM_019807	acid phosphatase, prostate (Acpp), transcript variant 2, mRNA.	Mme-M200003787	ILMN_2587757	0	0
11434	Acr	-0.073	0.115	0.049	0	0	0	0	0	0	NM_013455	preproacrosin (Acr), mRNA.	Mme-M200000019	ILMN_2601684	0	0
54137	Acrbp	-0.029	0.131	0.063	0	0	0	0	0	0	NM_016845	proacrosin binding protein (Acrbp), mRNA.	Mme-M200001579	ILMN_1217276	0	0
11451	Acrv1	0.045	-0.067	0.011	0	0	0	0	0	0	NM_007391	acrosomal vesicle protein 1 (Acrv1), mRNA.	Mme-M200001948	ILMN_2834622	0	0
94180	Acsbg1	-0.091	-0.229	-0.047	0	0	0	0	0	0	NM_053178	acyl-CoA synthetase bubblegum family member 1 (Acsbg1), mRNA.	Mme-M200003928	ILMN_2788036	0	0
328845	Acsbg2	-0.239	-0.064	0.091	0	0	0	0	0	0	NM_001039114	acyl-CoA synthetase bubblegum family member 2 (Acsbg2), mRNA.	Mme-M400010141	ILMN_2842155	0	0
264895	Acsf2	-0.168	-0.041	-0.006	0	0	0	0	0	0	NM_153807	acyl-CoA synthetase family member 2 (Acsf2), mRNA.	Mme-M200011599	ILMN_2675674	0	0
257633	Acsf3	-0.033	-0.060	-0.074	0	0	0	0	0	0	NM_144932	acyl-CoA synthetase family member 3 (Acsf3), mRNA.	Mme-M200004867	ILMN_2658654	0	0
14081	Acsl1	0.254	0.155	0.056	0	0	0	0	0	0	NM_007981	acyl-CoA synthetase long-chain family member 1 (Acsl1), mRNA.	Mme-M200006251	ILMN_2622671	0	0
50790	Acsl4	0.009	-0.133	-0.091	0	0	0	0	0	0	NM_001033600	acyl-CoA synthetase long-chain family member 4 (Acsl4), transcript variant 3, mRNA.	Mme-M200009437	ILMN_3136205	0	0
433256	Acsl5	0.175	0.285	0.132	0	0	0	0	0	0	NM_027976	acyl-CoA synthetase long-chain family member 5 (Acsl5), mRNA.	Mme-M200006929	ILMN_2892227	0	0
216739	Acsl6	-0.066	-0.205	0.187	0	0	0	0	0	0	NM_001033598	acyl-CoA synthetase long-chain family member 6 (Acsl6), transcript variant 3, mRNA.	Mme-M400009863	ILMN_1236666	0	0
117147	Acsm1	-0.303	0.052	-0.016	0	0	0	0	0	0	NM_054094	acyl-CoA synthetase medium-chain family member 1 (Acsm1), mRNA.	Mme-M200007404	ILMN_2717996	0	0
233799	Acsm2	-0.053	-0.012	0.045	0	0	0	0	0	0	NM_146197	acyl-CoA synthetase medium-chain family member 2 (Acsm2), mRNA.	Mme-M400001325	ILMN_2662329	0	0
20216	Acsm3	0.117	-0.237	-0.141	0	0	0	0	0	0	NM_212442	acyl-CoA synthetase medium-chain family member 3 (Acsm3), transcript variant 3, mRNA.	Mme-M400001324	ILMN_3111685	0	0
233801	Acsm4	0.062	-0.280	0.040	0	0	0	0	0	0	NM_178414	acyl-CoA synthetase medium-chain family member 4 (Acsm4), mRNA.	Mme-M300017893	ILMN_2970744	0	0
272428	Acsm5	-0.181	0.063	0.034	0	0	0	0	0	0	NM_178758	acyl-CoA synthetase medium-chain family member 5 (Acsm5), mRNA.	Mme-M300007515	ILMN_1220520	0	0
68738	Acss1	0.195	-0.118	0.086	0	0	0	0	0	0	NM_080575	acyl-CoA synthetase short-chain family member 1 (Acss1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002473	ILMN_2628174	0	0
60525	Acss2	-0.466	-0.212	0.104	0	0	0	0	0	0	NM_019811	acyl-CoA synthetase short-chain family member 2 (Acss2), mRNA.	Mme-M200004493	ILMN_2734181	0	0
380660	Acss3	-0.134	0.035	-0.043	0	0	0	0	0	0	NM_198636	acyl-CoA synthetase short-chain family member 3 (Acss3), mRNA.	Mme-M300010168	ILMN_1236250	0	0
11459	Acta1	1.866	-0.319	-1.211	1	0	-1	1	0	-1	NM_009606	actin, alpha 1, skeletal muscle (Acta1), mRNA.	Mme-M200013335	ILMN_2738825	1	1
11475	Acta2	1.023	-0.821	-0.078	1	-1	0	1	-1	0	NM_007392	actin, alpha 2, smooth muscle, aorta (Acta2), mRNA.	Mme-M300010088	ILMN_2693895	1	1
11461	Actb	-0.076	0.267	-0.835	0	0	-1	0	0	-1	NM_007393	actin, beta, cytoplasmic (Actb), mRNA.	Mme-M200000105	ILMN_1377923	0	1
238880	Actbl2	-0.332	0.023	-0.007	0	0	0	0	0	0	NM_175497	actin, beta-like 2 (Actbl2), mRNA.	Mme-M400005080	ILMN_2596812	0	0
11464	Actc1	1.257	0.400	0.008	1	0	0	1	0	0	NM_009608	actin, alpha, cardiac (Actc1), mRNA.	Mme-M400010954	ILMN_2598916	1	0
11465	Actg1	0.019	-0.230	0.029	0	0	0	0	0	0	NM_009609	actin, gamma, cytoplasmic 1 (Actg1), mRNA.	Mme-M300012334	ILMN_2674763	0	0
11468	Actg2	0.460	-0.324	-0.121	0	0	0	0	0	0	NM_009610	actin, gamma 2, smooth muscle, enteric (Actg2), mRNA.	Mme-M300000862	ILMN_2839313	0	0
67722	Actl11	-0.402	-0.058	0.032	0	0	0	0	0	0	NM_026338	RIKEN cDNA 4921517D21 gene (4921517D21Rik), mRNA.	Mme-M400011555	ILMN_2691901	0	0
56456	Actl6a	0.168	-0.106	0.103	0	0	0	0	0	0	NM_019673	actin-like 6A (Actl6a), mRNA.	Mme-M200006531	ILMN_1254256	0	0
83766	Actl6b	0.142	0.353	-0.146	0	0	0	0	0	0	NM_031404	actin-like 6B (Actl6b), mRNA.	Mme-M200007131	ILMN_2696182	0	0
11470	Actl7a	-0.162	-0.004	0.056	0	0	0	0	0	0	NM_009611	actin-like 7a (Actl7a), mRNA.	Mme-M200007033	ILMN_2720021	0	0
11471	Actl7b	-0.194	0.034	0.012	0	0	0	0	0	0	NM_025271	actin-like 7b (Actl7b), mRNA.	Mme-M400005718	ILMN_2675497	0	0
69481	Actl9	-0.042	0.000	-0.053	0	0	0	0	0	0	NM_183282	RIKEN cDNA 1700029I08 gene (1700029I08Rik), mRNA.	Mme-M400012552	ILMN_2638674	0	0
109711	Actn1	0.122	-0.071	0.029	0	0	0	0	0	0	NM_134156	actinin, alpha 1 (Actn1), mRNA.	Mme-M200016251	ILMN_2844996	0	0
11472	Actn2	2.054	0.390	-0.563	1	0	-1	1	0	-1	NM_033268	actinin alpha 2 (Actn2), mRNA.	Mme-M400004095	ILMN_2764727	1	1
11474	Actn3	0.726	0.717	-0.384	1	1	-1	0	1	0	NM_013456	actinin alpha 3 (Actn3), mRNA.	Mme-M200002239	ILMN_2747543	1	0
60595	Actn4	-0.035	0.101	0.175	0	0	0	0	0	0	NM_021895	actinin alpha 4 (Actn4), mRNA.	Mme-M200009496	ILMN_2673599	0	0
56444	Actr10	0.136	-0.032	0.046	0	0	0	0	0	0	NM_019785	ARP10 actin-related protein 10 homolog (S. cerevisiae) (Actr10), mRNA.	Mme-M200006427	ILMN_2703354	0	0
54130	Actr1a	-0.185	-0.037	-0.018	0	0	0	0	0	0	NM_016860	ARP1 actin-related protein 1 homolog A (yeast) (Actr1a), mRNA.	Mme-M300004523	ILMN_2728697	0	0
226977	Actr1b	-0.158	0.226	-0.179	0	0	0	0	0	0	NM_146107	ARP1 actin-related protein 1 homolog B (yeast) (Actr1b), mRNA.	Mme-M400011928	ILMN_3161327	0	0
66713	Actr2	0.134	0.031	0.067	0	0	0	0	0	0	NM_146243	ARP2 actin-related protein 2 homolog (yeast) (Actr2), mRNA.	Mme-M200006842	ILMN_2637588	0	0
74117	Actr3	0.034	0.023	0.021	0	0	0	0	0	0	NM_023735	ARP3 actin-related protein 3 homolog (yeast) (Actr3), mRNA.	Mme-M200012138	ILMN_2748690	0	0
109275	Actr5	0.065	-0.138	0.027	0	0	0	0	0	0	NM_175419	ARP5 actin-related protein 5 homolog (yeast) (Actr5), mRNA.	Mme-M300011107	ILMN_2651496	0	0
67019	Actr6	0.115	-0.040	-0.008	0	0	0	0	0	0	NM_025914	ARP6 actin-related protein 6 homolog (yeast) (Actr6), mRNA.	Mme-M200004109	ILMN_2593338	0	0
56249	Actr8	0.033	0.048	-0.037	0	0	0	0	0	0	NM_027493	ARP8 actin-related protein 8 homolog (S. cerevisiae) (Actr8), mRNA.	Mme-M200002600	ILMN_2601043	0	0
73360	Actrt1	-0.248	0.066	0.009	0	0	0	0	0	0	NM_028514	actin-related protein T1 (Actrt1), mRNA.	Mme-M200015071	ILMN_2618100	0	0
73353	Actrt2	-0.354	-0.080	0.055	0	0	0	0	0	0	NM_028513	actin-related protein T2 (Actrt2), mRNA.	Mme-M200007032	ILMN_1215558	0	0
76652	Actrt3	-0.063	-0.076	-0.025	0	0	0	0	0	0	NM_029690	actin related protein M1 (Arpm1), mRNA.	Mme-M200008847	ILMN_2729052	0	0
11477	Acvr1	0.069	-0.198	0.119	0	0	0	0	0	0	NM_001110205	activin A receptor, type 1 (Acvr1), transcript variant 3, mRNA.	Mme-M200000246	ILMN_2660103	0	0
11479	Acvr1b	0.152	0.041	-0.096	0	0	0	0	0	0	NM_007395	activin A receptor, type 1B (Acvr1b), mRNA.	Mme-M400000016	ILMN_2746036	0	0
269275	Acvr1c	-0.092	0.032	-0.034	0	0	0	0	0	0	NM_001033369	activin A receptor, type IC (Acvr1c), transcript variant 2, mRNA.	Mme-M400000963	ILMN_2614086	0	0
11480	Acvr2a	0.058	-0.034	-0.061	0	0	0	0	0	0	NM_007396	activin receptor IIA (Acvr2a), mRNA.	Mme-M200002111	ILMN_2617775	0	0
11481	Acvr2b	-0.072	-0.140	0.015	0	0	0	0	0	0	NM_007397	activin receptor IIB (Acvr2b), mRNA.	Mme-M200002755	ILMN_1230145	0	0
11482	Acvrl1	-0.151	0.071	0.108	0	0	0	0	0	0	NM_009612	activin A receptor, type II-like 1 (Acvrl1), mRNA.	Mme-M200001990	ILMN_1248328	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
109652	Acy1	0.054	0.062	-0.098	0	0	0	0	0	0	NM_025371	aminoacylase 1 (Acy1), mRNA.	Mme-M200002494	ILMN_1213138	0	0
71670	Acy3	-0.077	-0.020	0.100	0	0	0	0	0	0	NM_027857	aspartoacylase (aminoacylase) 3 (Acy3), mRNA.	Mme-M200006624	ILMN_1240165	0	0
66204	Acyp1	0.024	0.004	-0.061	0	0	0	0	0	0	NM_025421	acylphosphatase 1, erythrocyte (common) type (Acyp1), mRNA.	Mme-M200003861	ILMN_2640961	0	0
75572	Acyp2	0.090	-0.021	-0.080	0	0	0	0	0	0	NM_029344	acylphosphatase 2, muscle type (Acyp2), mRNA.	Mme-M200005992	ILMN_2636803	0	0
11486	Ada	-0.238	0.213	0.028	0	0	0	0	0	0	NM_007398	adenosine deaminase (Ada), mRNA.	Mme-M200000141	ILMN_1228696	0	0
21744	Adad1	-0.186	0.069	-0.031	0	0	0	0	0	0	NM_009350	adenosine deaminase domain containing 1 (testis specific) (Adad1), mRNA.	Mme-M200002679	ILMN_2620655	0	0
75894	Adal	-0.109	-0.074	-0.043	0	0	0	0	0	0	NM_029475	adenosine deaminase-like (Adal), mRNA.	Mme-M400000996	ILMN_1260070	0	0
11487	Adam10	-0.371	-0.131	0.041	0	0	0	0	0	0	NM_007399	a disintegrin and metallopeptidase domain 10 (Adam10), mRNA.	Mme-M400010718	ILMN_2460257	0	0
11488	Adam11	-0.138	-0.176	-0.120	0	0	0	0	0	0	NM_009613	a disintegrin and metallopeptidase domain 11 (Adam11), transcript variant 2, mRNA.	Mme-M200016023	ILMN_2812954	0	0
11489	Adam12	-0.270	-0.079	-0.076	0	0	0	0	0	0	NM_007400	a disintegrin and metallopeptidase domain 12 (meltrin alpha) (Adam12), mRNA.	Mme-M400004856	ILMN_1243254	0	0
11490	Adam15	-0.192	0.223	0.046	0	0	0	0	0	0	NM_009614	a disintegrin and metallopeptidase domain 15 (metargidin) (Adam15), transcript variant 2, mRNA.	Mme-M300005912	ILMN_3139103	0	0
11491	Adam17	-0.375	-0.118	0.202	0	0	0	0	0	0	NM_009615	a disintegrin and metallopeptidase domain 17 (Adam17), mRNA.	Mme-M400004184	ILMN_2594718	0	0
13524	Adam18	-0.269	0.005	-0.034	0	0	0	0	0	0	NM_010084	a disintegrin and metallopeptidase domain 18 (Adam18), mRNA.	Mme-M200016041	ILMN_2942654	0	0
11492	Adam19	-0.237	0.086	0.021	0	0	0	0	0	0	NM_009616	a disintegrin and metallopeptidase domain 19 (meltrin beta) (Adam19), mRNA.	Mme-M200016039	ILMN_2772155	0	0
280668	Adam1a	-0.454	0.079	-0.097	0	0	0	0	0	0	NM_172126	a disintegrin and metallopeptidase domain 1a (Adam1a), mRNA.	Mme-M200000597	ILMN_1223832	0	0
280667	Adam1b	0.013	-0.064	-0.134	0	0	0	0	0	0	NM_172125	a disintegrin and metallopeptidase domain 1b (Adam1b), mRNA.	Mme-M200015348	ILMN_3131005	0	0
11495	Adam2	-0.064	0.007	0.005	0	0	0	0	0	0	NM_009618	a disintegrin and metallopeptidase domain 2 (Adam2), mRNA.	Mme-M300003075	ILMN_2739679	0	0
384806	Adam20	-0.314	0.092	0.022	0	0	0	0	0	0	NM_001009548	testase-8 (Adam38), mRNA.	Mme-M400003143	ILMN_1243285	0	0
56622	Adam21	-0.115	-0.127	0.039	0	0	0	0	0	0	NM_020330	a disintegrin and metallopeptidase domain 21 (Adam21), mRNA.	Mme-M200008886	ILMN_1221608	0	0
11496	Adam22	-0.312	-0.030	0.120	0	0	0	0	0	0	NM_001007220	a disintegrin and metallopeptidase domain 22 (Adam22), transcript variant 1, mRNA.	Mme-M400002390	ILMN_3057562	0	0
23792	Adam23	-0.113	-0.064	0.056	0	0	0	0	0	0	NM_011780	a disintegrin and metallopeptidase domain 23 (Adam23), mRNA.	Mme-M200008201	ILMN_1242144	0	0
13526	Adam24	-0.082	0.040	0.060	0	0	0	0	0	0	NM_010086	a disintegrin and metallopeptidase domain 24 (testase 1) (Adam24), mRNA.	Mme-M200015213	ILMN_1218770	0	0
23793	Adam25	-0.062	0.006	0.025	0	0	0	0	0	0	NM_011781	a disintegrin and metallopeptidase domain 25 (testase 2) (Adam25), mRNA.	Mme-M400003043	ILMN_2720372	0	0
13525	Adam26a	-0.070	0.107	0.048	0	0	0	0	0	0	NM_010085	a disintegrin and metallopeptidase domain 26A (testase 3) (Adam26a), mRNA.	Mme-M400003433	ILMN_1229860	0	0
13522	Adam28	-0.236	-0.156	-0.050	0	0	0	0	0	0	NM_183366	a disintegrin and metallopeptidase domain 28 (Adam28), transcript variant 2, mRNA.	Mme-M400012557	ILMN_2664739	0	0
244486	Adam29	0.167	-0.049	0.082	0	0	0	0	0	0	NM_175939	a disintegrin and metallopeptidase domain 29 (Adam29), mRNA.	Mme-M300017173	ILMN_2985913	0	0
11497	Adam3	-0.057	0.047	0.046	0	0	0	0	0	0	NM_009619	a disintegrin and metallopeptidase domain 3 (cyritestin) (Adam3), mRNA.	Mme-M200002190	ILMN_2772470	0	0
71078	Adam30	-0.285	0.029	-0.234	0	0	0	0	0	0	NM_027665	a disintegrin and metallopeptidase domain 30 (Adam30), mRNA.	Mme-M300014536	ILMN_2890895	0	0
353188	Adam32	-0.085	-0.104	-0.036	0	0	0	0	0	0	NM_153397	a disintegrin and metallopeptidase domain 32 (Adam32), mRNA.	Mme-M300010924	ILMN_2649346	0	0
110751	Adam33	-0.041	-0.028	0.012	0	0	0	0	0	0	NM_033615	a disintegrin and metallopeptidase domain 33 (Adam33), mRNA.	Mme-M200014145	ILMN_2709760	0	0
252866	Adam34	-0.043	-0.062	0.005	0	0	0	0	0	0	NM_145745	a disintegrin and metallopeptidase domain 34 (Adam34), mRNA.	Mme-M400007824	ILMN_2688694	0	0
546055	Adam39	-0.229	-0.030	0.195	0	0	0	0	0	0	NM_001025380	a disintegrin and metallopeptidase domain 39 (Adam39), mRNA.	Mme-M400004678	ILMN_3161330	0	0
11498	Adam4	-0.276	0.146	-0.087	0	0	0	0	0	0	NM_009620	a disintegrin and metallopeptidase domain 4 (Adam4), mRNA.	Mme-M400003249	ILMN_2971964	0	0
238406	Adam6a	-0.127	-0.021	0.029	0	0	0	0	0	0	NM_174885	a disintegrin and metallopeptidase domain 6 (Adam6), mRNA.	Mme-M400002825	ILMN_1238157	0	0
11500	Adam7	0.048	0.028	-0.084	0	0	0	0	0	0	NM_007402	a disintegrin and metallopeptidase domain 7 (Adam7), mRNA.	Mme-M400000536	ILMN_2683204	0	0
11501	Adam8	-0.238	0.201	0.016	0	0	0	0	0	0	NM_007403	a disintegrin and metallopeptidase domain 8 (Adam8), mRNA.	Mme-M400000837	ILMN_1224005	0	0
11502	Adam9	0.076	-0.151	0.211	0	0	0	0	0	0	NM_007404	a disintegrin and metallopeptidase domain 9 (meltrin gamma) (Adam9), mRNA.	Mme-M200006222	ILMN_2649502	0	0
58860	Adamdec1	0.030	0.023	-0.094	0	0	0	0	0	0	NM_021475	ADAM-like, decysin 1 (Adamdec1), mRNA.	Mme-M200007886	ILMN_1246807	0	0
11504	Adamts1	0.091	0.170	-0.084	0	0	0	0	0	0	NM_009621	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1 (Adamts1), mRNA	Mme-M400000621	ILMN_1238495	0	0
224697	Adamts10	-0.138	0.044	0.064	0	0	0	0	0	0	NM_172619	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 10 (Adamts10), mR	Mme-M200006425	ILMN_2586591	0	0
239337	Adamts12	-0.078	-0.022	-0.016	0	0	0	0	0	0	NM_175501	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12 (Adamts12), mR	Mme-M300003162	ILMN_2671344	0	0
279028	Adamts13	-0.200	-0.140	0.105	0	0	0	0	0	0	NM_001001322	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13 (Adamts13), mR	Mme-M300001343	ILMN_3038544	0	0
237360	Adamts14	-0.160	0.028	-0.031	0	0	0	0	0	0	NM_001081127	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 14 (Adamts14), mR	Mme-M400007004	ILMN_1220047	0	0
235130	Adamts15	0.024	-0.083	0.021	0	0	0	0	0	0	NM_001024139	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 15 (Adamts15), mR	Mme-M200015167	ILMN_3161887	0	0
271127	Adamts16	-0.281	0.060	-0.064	0	0	0	0	0	0	NM_172053	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 16 (Adamts16), mR	Mme-M300015359	ILMN_2987834	0	0
233332	Adamts17	-0.181	0.003	0.174	0	0	0	0	0	0	NM_001033877	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17 (Adamts17), mR	Mme-M400006210	ILMN_2881801	0	0
208936	Adamts18	-0.069	0.093	-0.060	0	0	0	0	0	0	NM_172466	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18 (Adamts18), mR	Mme-M300007888	ILMN_2455596	0	0
240322	Adamts19	0.076	0.120	-0.123	0	0	0	0	0	0	NM_175506	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 19 (Adamts19), mR	Mme-M300013935	ILMN_1227352	0	0
216725	Adamts2	0.057	-0.210	-0.142	0	0	0	0	0	0	NM_175643	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2 (Adamts2), mRNA	Mme-M300010422	ILMN_1226259	0	0
223838	Adamts20	-0.353	-0.049	-0.098	0	0	0	0	0	0	NM_177431	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 20 (Adamts20), mR	Mme-M300003297	ILMN_2680000	0	0
330119	Adamts3	-0.337	-0.013	0.028	0	0	0	0	0	0	NM_001081401	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3 (Adamts3), mRNA	Mme-M400010376	ILMN_1259142	0	0
240913	Adamts4	-0.060	-0.007	0.168	0	0	0	0	0	0	NM_172845	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4 (Adamts4), mRNA	Mme-M300000800	ILMN_1230152	0	0
23794	Adamts5	-0.179	-0.015	0.219	0	0	0	0	0	0	NM_011782	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2) (	Mme-M300003576	ILMN_2717496	0	0
108154	Adamts6	0.182	-0.069	0.146	0	0	0	0	0	0	NM_001081020	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6 (Adamts6), mRNA	Mme-M300013837	ILMN_2560480	0	0
108153	Adamts7	-0.167	-0.029	0.038	0	0	0	0	0	0	NM_001003911	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7 (Adamts7), mRNA	Mme-M300008217	ILMN_2624328	0	0
30806	Adamts8	-0.103	-0.184	-0.043	0	0	0	0	0	0	NM_013906	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8 (Adamts8), mRNA	Mme-M200008409	ILMN_2737771	0	0
101401	Adamts9	-0.133	0.027	-0.081	0	0	0	0	0	0	NM_175314	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 9 (Adamts9), mRNA	Mme-M400004596	ILMN_1257724	0	0
77794	Adamtsl2	-0.041	0.070	0.010	0	0	0	0	0	0	NM_029981	ADAMTS-like 2 (Adamtsl2), mRNA.	Mme-M300010216	ILMN_2650115	0	0
269959	Adamtsl3	0.174	-0.211	0.044	0	0	0	0	0	0	XM_194370	PREDICTED: ADAMTS-like 3 (Adamtsl3), mRNA.	Mme-M400009513	ILMN_2663428	0	0
229595	Adamtsl4	0.251	0.033	-0.060	0	0	0	0	0	0	NM_144899	ADAMTS-like 4 (Adamtsl4), mRNA.	Mme-M200014222	ILMN_2459899	0	0
66548	Adamtsl5	-0.043	0.037	0.052	0	0	0	0	0	0	NM_025629	ADAMTS-like 5 (Adamtsl5), transcript variant 2, mRNA.	Mme-M200011791	ILMN_2692399	0	0
231821	Adap1	-0.086	-0.031	-0.122	0	0	0	0	0	0	NM_172723	centaurin, alpha 1 (Centa1), mRNA.	Mme-M300004812	ILMN_2632832	0	0
216991	Adap2	0.207	-0.005	0.189	0	0	0	0	0	0	NM_172133	centaurin, alpha 2 (Centa2), mRNA.	Mme-M300002355	ILMN_2589256	0	0
56417	Adar	0.024	0.238	0.111	0	0	0	0	0	0	NM_019655	adenosine deaminase, RNA-specific (Adar), transcript variant 1, mRNA.	Mme-M200009710	ILMN_3093622	0	0
110532	Adarb1	0.202	-0.095	0.048	0	0	0	0	0	0	NM_130895	adenosine deaminase, RNA-specific, B1 (Adarb1), transcript variant 1, mRNA.	Mme-M300002099	ILMN_1243711	0	0
94191	Adarb2	-0.180	0.084	-0.068	0	0	0	0	0	0	NM_052977	adenosine deaminase, RNA-specific, B2 (Adarb2), mRNA.	Mme-M400004166	ILMN_1252660	0	0
30947	Adat1	0.189	0.153	0.132	0	0	0	0	0	0	NM_013925	adenosine deaminase, tRNA-specific 1 (Adat1), mRNA.	Mme-M200008869	ILMN_1256624	0	0
66757	Adat2	-0.285	-0.089	0.006	0	0	0	0	0	0	NM_025748	adenosine deaminase, tRNA-specific 2, TAD2 homolog (S. cerevisiae) (Adat2), mRNA.	Mme-M200009125	ILMN_2705097	0	0
72113	Adck1	0.143	0.137	0.153	0	0	0	0	0	0	NM_028105	aarF domain containing kinase 1 (Adck1), mRNA.	Mme-M200011991	ILMN_2656440	0	0
57869	Adck2	-0.075	0.030	0.052	0	0	0	0	0	0	NM_178873	aarF domain containing kinase 2 (Adck2), mRNA.	Mme-M300017813	ILMN_1222224	0	0
67426	Adck3	0.429	0.097	-0.018	0	0	0	0	0	0	NM_023341	chaperone, ABC1 activity of bc1 complex like (S. pombe) (Cabc1), nuclear gene encoding mitochondrial protein,	Mme-M400011436	ILMN_2800813	0	0
76889	Adck4	0.240	0.126	-0.028	0	0	0	0	0	0	NM_133770	aarF domain containing kinase 4 (Adck4), mRNA.	Mme-M200009558	ILMN_2540952	0	0
268822	Adck5	-0.136	0.009	-0.184	0	0	0	0	0	0	NM_172960	aarF domain containing kinase 5 (Adck5), mRNA.	Mme-M300003364	ILMN_2918317	0	0
432530	Adcy1	-0.005	-0.244	-0.051	0	0	0	0	0	0	NM_009622	adenylate cyclase 1 (Adcy1), mRNA.	Mme-M400000387	ILMN_2424073	0	0
271639	Adcy10	0.103	0.046	-0.044	0	0	0	0	0	0	NM_173029	adenylate cyclase 10 (Adcy10), mRNA.	Mme-M300005181	ILMN_2672960	0	0
210044	Adcy2	0.047	0.144	0.078	0	0	0	0	0	0	NM_153534	adenylate cyclase 2 (Adcy2), mRNA.	Mme-M300002815	ILMN_2883063	0	0
104111	Adcy3	0.109	-0.093	-0.151	0	0	0	0	0	0	NM_138305	adenylate cyclase 3 (Adcy3), mRNA.	Mme-M200013800	ILMN_2666118	0	0
104110	Adcy4	0.049	0.224	0.117	0	0	0	0	0	0	NM_080435	adenylate cyclase 4 (Adcy4), mRNA.	Mme-M200003830	ILMN_1250417	0	0
11512	Adcy6	0.324	0.094	0.191	0	0	0	0	0	0	NM_007405	adenylate cyclase 6 (Adcy6), mRNA.	Mme-M400015801	ILMN_2706140	0	0
11513	Adcy7	0.100	0.099	0.221	0	0	0	0	0	0	NM_001109756	adenylate cyclase 7 (Adcy7), transcript variant 4, mRNA.	Mme-M400001396	ILMN_3163572	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11514	Adcy8	-0.409	-0.065	-0.094	0	0	0	0	0	0	NM_009623	adenylate cyclase 8 (Adcy8), mRNA.	Mme-M200000582	ILMN_2607127	0	0
11515	Adcy9	0.056	-0.079	-0.048	0	0	0	0	0	0	NM_009624	adenylate cyclase 9 (Adcy9), mRNA.	Mme-M200001674	ILMN_2723474	0	0
11516	Adcyap1	0.006	0.125	0.093	0	0	0	0	0	0	NM_009625	adenylate cyclase activating polypeptide 1 (Adcyap1), mRNA.	Mme-M300004016	ILMN_1227605	0	0
11517	Adcyap1r1	0.116	0.055	-0.045	0	0	0	0	0	0	NM_007407	adenylate cyclase activating polypeptide 1 receptor 1 (Adcyap1r1), transcript variant 1, mRNA.	Mme-M200014077	ILMN_2717037	0	0
11518	Add1	0.012	0.133	0.261	0	0	0	0	0	0	NM_013457	adducin 1 (alpha) (Add1), transcript variant 2, mRNA.	Mme-M300006496	ILMN_2659062	0	0
11519	Add2	-0.092	0.107	0.031	0	0	0	0	0	0	NM_013458	adducin 2 (beta) (Add2), mRNA.	Mme-M300006959	ILMN_1254225	0	0
27360	Add3	-0.004	-0.308	0.141	0	0	0	0	0	0	NM_013758	adducin 3 (gamma) (Add3), mRNA.	Mme-M200014031	ILMN_2588671	0	0
52389	Adgra1	0.033	0.209	-0.050	0	0	0	0	0	0	NM_177469	G protein-coupled receptor 123 (Gpr123), mRNA.	Mme-M300004652	ILMN_2658198	0	0
78560	Adgra3	-0.169	-0.114	-0.080	0	0	0	0	0	0	NM_054044	G protein-coupled receptor 124 (Gpr124), mRNA.	Mme-M200006594	ILMN_2699390	0	0
107831	Adgrb1	-0.049	0.045	0.008	0	0	0	0	0	0	NM_174991	brain-specific angiogenesis inhibitor 1 (Bai1), mRNA.	Mme-M300009507	ILMN_2680188	0	0
230775	Adgrb2	0.200	0.485	-0.119	0	1	0	0	0	0	NM_173071	brain-specific angiogenesis inhibitor 2 (Bai2), mRNA.	Mme-M300006288	ILMN_2627244	0	0
243277	Adgrd1	-0.063	0.244	-0.183	0	0	0	0	0	0	NM_001081342	G protein-coupled receptor 133 (Gpr133), mRNA.	Mme-M300015066	ILMN_1214189	0	0
13733	Adgre1	-0.254	0.282	0.347	0	0	1	0	0	0	NM_010130	EGF-like module containing, mucin-like, hormone receptor-like sequence 1 (Emr1), mRNA.	Mme-M300000601	ILMN_2847787	0	0
52614	Adgre4	0.019	-0.103	0.040	0	0	0	0	0	0	NM_139138	EGF-like module containing, mucin-like, hormone receptor-like sequence 4 (Emr4), mRNA.	Mme-M300008508	ILMN_2857422	0	0
26364	Adgre5	0.080	0.142	0.176	0	0	0	0	0	0	NM_011925	CD97 antigen (Cd97), mRNA.	Mme-M300000344	ILMN_2694175	0	0
77596	Adgrf1	-0.106	-0.032	-0.011	0	0	0	0	0	0	NM_133776	G protein-coupled receptor 110 (Gpr110), mRNA.	Mme-M300013107	ILMN_2771563	0	0
435529	Adgrf2	-0.197	-0.019	-0.006	0	0	0	0	0	0	NM_001033493	G protein-coupled receptor 111 (Gpr111), mRNA.	Mme-M400006112	ILMN_3161164	0	0
381628	Adgrf3	-0.087	0.187	-0.038	0	0	0	0	0	0	NM_001014394	G protein-coupled receptor 113 (Gpr113), mRNA.	Mme-M400003223	ILMN_2537217	0	0
78249	Adgrf4	-0.082	-0.018	-0.024	0	0	0	0	0	0	XM_894986	PREDICTED: G protein-coupled receptor 115, transcript variant 2 (Gpr115), mRNA.	Mme-M200015173	ILMN_2647451	0	0
224792	Adgrf5	0.313	-0.008	0.047	0	0	0	0	0	0	NM_001081178	G protein-coupled receptor 116 (Gpr116), mRNA.	Mme-M300012968	ILMN_2597987	0	0
14766	Adgrg1	-0.139	-0.051	0.030	0	0	0	0	0	0	NM_018882	G protein-coupled receptor 56 (Gpr56), mRNA.	Mme-M200003244	ILMN_2738618	0	0
54672	Adgrg3	0.081	0.105	0.071	0	0	0	0	0	0	NM_173036	G protein-coupled receptor 97 (Gpr97), mRNA.	Mme-M300020126	ILMN_2666491	0	0
382045	Adgrg5	-0.053	0.571	0.318	0	1	1	0	1	0	NM_001033468	G protein-coupled receptor 114 (Gpr114), mRNA.	Mme-M400007436	ILMN_2856926	1	0
215798	Adgrg6	-0.047	-0.158	-0.097	0	0	0	0	0	0	NM_001002268	G protein-coupled receptor 126 (Gpr126), mRNA.	Mme-M300011968	ILMN_2747634	0	0
239853	Adgrg7	0.069	-0.066	0.010	0	0	0	0	0	0	NM_172825	G protein-coupled receptor 128 (Gpr128), mRNA.	Mme-M300003484	ILMN_2725134	0	0
330814	Adgrl1	0.087	0.316	-0.241	0	0	0	0	0	0	NM_181039	latrophilin 1 (Lphn1), mRNA.	Mme-M400013915	ILMN_2783852	0	0
99633	Adgrl2	0.017	0.022	0.012	0	0	0	0	0	0	NM_001081298	latrophilin 2 (Lphn2), mRNA.	Mme-M300005983	ILMN_2651261	0	0
319387	Adgrl3	-0.157	-0.100	0.247	0	0	0	0	0	0	NM_198702	latrophilin 3 (Lphn3), mRNA.	Mme-M300011024	ILMN_2782041	0	0
170757	Adgrl4	0.181	0.145	0.004	0	0	0	0	0	0	NM_133222	EGF, latrophilin seven transmembrane domain containing 1 (Eltd1), mRNA.	Mme-M200005476	ILMN_1224540	0	0
11522	Adh1	0.051	-0.208	-0.133	0	0	0	0	0	0	NM_007409	alcohol dehydrogenase 1 (class I) (Adh1), mRNA.	Mme-M200000907	ILMN_1258501	0	0
26876	Adh4	-0.227	0.003	-0.005	0	0	0	0	0	0	NM_011996	alcohol dehydrogenase 4 (class II), pi polypeptide (Adh4), mRNA.	Mme-M400002056	ILMN_1258442	0	0
11532	Adh5	0.014	0.122	0.154	0	0	0	0	0	0	NM_007410	alcohol dehydrogenase 5 (class III), chi polypeptide (Adh5), mRNA.	Mme-M200001483	ILMN_1242178	0	0
69117	Adh6a	-0.221	0.058	-0.032	0	0	0	0	0	0	NM_026945	alcohol dehydrogenase 6A (class V) (Adh6a), mRNA.	Mme-M300000528	ILMN_1247628	0	0
11529	Adh7	-0.034	-0.009	0.097	0	0	0	0	0	0	NM_009626	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide (Adh7), mRNA.	Mme-M300000526	ILMN_2621448	0	0
76187	Adhfe1	0.188	0.096	-0.156	0	0	0	0	0	0	NM_175236	alcohol dehydrogenase, iron containing, 1 (Adhfe1), mRNA.	Mme-M200006043	ILMN_2675064	0	0
104923	Adi1	0.173	0.017	0.105	0	0	0	0	0	0	NM_134052	acireductone dioxygenase 1 (Adi1), mRNA.	Mme-M300002284	ILMN_1231567	0	0
246747	Adig	-0.167	-0.624	-0.152	0	-1	0	0	-1	0	NM_145635	cDNA sequence BC054059 (BC054059), mRNA.	Mme-M400011911	ILMN_2692644	0	1
11450	Adipoq	0.186	-0.108	-0.395	0	0	-1	0	0	0	NM_009605	adiponectin, C1Q and collagen domain containing (Adipoq), mRNA.	Mme-M200001531	ILMN_2738082	0	0
72674	Adipor1	0.036	0.097	0.046	0	0	0	0	0	0	NM_028320	adiponectin receptor 1 (Adipor1), mRNA.	Mme-M200013059	ILMN_1213531	0	0
68465	Adipor2	0.251	-0.372	-0.078	0	0	0	0	0	0	NM_197985	adiponectin receptor 2 (Adipor2), mRNA.	Mme-M300007047	ILMN_1260219	0	0
11534	Adk	0.008	-0.111	-0.021	0	0	0	0	0	0	NM_134079	adenosine kinase (Adk), mRNA.	Mme-M200003761	ILMN_2702471	0	0
11535	Adm	0.099	-0.148	0.024	0	0	0	0	0	0	NM_009627	adrenomedullin (Adm), mRNA.	Mme-M200000570	ILMN_1247207	0	0
223780	Adm2	-0.140	-0.015	-0.008	0	0	0	0	0	0	NM_182928	adrenomedullin 2 (Adm2), mRNA.	Mme-M400004717	ILMN_1241813	0	0
11538	Adnp	-0.049	-0.123	-0.089	0	0	0	0	0	0	NM_009628	activity-dependent neuroprotective protein (Adnp), mRNA.	Mme-M200006361	ILMN_2492292	0	0
240442	Adnp2	0.066	0.052	0.029	0	0	0	0	0	0	NM_175028	ADNP homeobox 2 (Adnp2), mRNA.	Mme-M400004653	ILMN_1237504	0	0
211488	Ado	-0.241	-0.076	-0.028	0	0	0	0	0	0	NM_001005419	2-aminoethanethiol (cysteamine) dioxygenase (Ado), mRNA.	Mme-M300014252	ILMN_3082206	0	0
11539	Adora1	0.110	0.316	-0.070	0	0	0	0	0	0	NM_001039510	adenosine A1 receptor (Adora1), transcript variant 2, mRNA.	Mme-M300013689	ILMN_3143358	0	0
11540	Adora2a	-0.192	0.211	0.048	0	0	0	0	0	0	NM_009630	adenosine A2a receptor (Adora2a), mRNA.	Mme-M200009712	ILMN_2623091	0	0
11541	Adora2b	-0.352	0.111	-0.036	0	0	0	0	0	0	NM_007413	adenosine A2b receptor (Adora2b), mRNA.	Mme-M300001685	ILMN_1244424	0	0
11542	Adora3	-0.047	0.136	0.052	0	0	0	0	0	0	NM_009631	adenosine A3 receptor (Adora3), transcript variant 1, mRNA.	Mme-M400010957	ILMN_3061260	0	0
72141	Adpgk	0.045	0.192	0.167	0	0	0	0	0	0	NM_028121	ADP-dependent glucokinase (Adpgk), mRNA.	Mme-M300004527	ILMN_1215394	0	0
11544	Adprh	0.110	0.000	-0.019	0	0	0	0	0	0	NM_007414	ADP-ribosylarginine hydrolase (Adprh), mRNA.	Mme-M400000061	ILMN_2595704	0	0
234072	Adprhl1	0.175	-0.087	-0.072	0	0	0	0	0	0	NM_172750	ADP-ribosylhydrolase like 1 (Adprhl1), mRNA.	Mme-M300007718	ILMN_2786973	0	0
100206	Adprhl2	-0.100	-0.054	-0.041	0	0	0	0	0	0	NM_133883	ADP-ribosylhydrolase like 2 (Adprhl2), mRNA.	Mme-M400011823	ILMN_2639063	0	0
66358	Adprm	0.169	0.248	-0.075	0	0	0	0	0	0	NM_025510	RIKEN cDNA 2310004I24 gene (2310004I24Rik), mRNA.	Mme-M300002466	ILMN_1226476	0	0
11549	Adra1a	-0.186	-0.050	-0.051	0	0	0	0	0	0	NM_013461	adrenergic receptor, alpha 1a (Adra1a), mRNA.	Mme-M200014915	ILMN_1259043	0	0
11548	Adra1b	0.089	-0.117	-0.057	0	0	0	0	0	0	NM_007416	adrenergic receptor, alpha 1b (Adra1b), mRNA.	Mme-M200008163	ILMN_2466647	0	0
11550	Adra1d	-0.407	0.111	-0.049	0	0	0	0	0	0	NM_013460	adrenergic receptor, alpha 1d (Adra1d), mRNA.	Mme-M300005586	ILMN_2651797	0	0
11551	Adra2a	-0.080	-0.254	0.048	0	0	0	0	0	0	NM_007417	adrenergic receptor, alpha 2a (Adra2a), mRNA.	Mme-M200014973	ILMN_1242170	0	0
11552	Adra2b	-0.069	-0.180	-0.016	0	0	0	0	0	0	NM_009633	adrenergic receptor, alpha 2b (Adra2b), mRNA.	Mme-M200014963	ILMN_1228610	0	0
11553	Adra2c	-0.085	-0.272	-0.098	0	0	0	0	0	0	NM_007418	adrenergic receptor, alpha 2c (Adra2c), mRNA.	Mme-M200014969	ILMN_1235741	0	0
11554	Adrb1	0.481	0.057	-0.058	0	0	0	0	0	0	NM_007419	adrenergic receptor, beta 1 (Adrb1), mRNA.	Mme-M400015435	ILMN_2710611	0	0
11555	Adrb2	0.172	0.177	0.087	0	0	0	0	0	0	NM_007420	adrenergic receptor, beta 2 (Adrb2), mRNA.	Mme-M300016663	ILMN_1241610	0	0
11556	Adrb3	-0.131	0.076	-0.043	0	0	0	0	0	0	NM_013462	adrenergic receptor, beta 3 (Adrb3), mRNA.	Mme-M300007730	ILMN_2764057	0	0
110355	Adrbk1	-0.071	-0.048	0.037	0	0	0	0	0	0	NM_130863	adrenergic receptor kinase, beta 1 (Adrbk1), mRNA.	Mme-M200006612	ILMN_2773496	0	0
320129	Adrbk2	-0.327	0.251	-0.063	0	0	0	0	0	0	NM_001035531	adrenergic receptor kinase, beta 2 (Adrbk2), transcript variant 2, mRNA.	Mme-M400002600	ILMN_1256771	0	0
56436	Adrm1	-0.160	0.089	0.007	0	0	0	0	0	0	NM_019822	adhesion regulating molecule 1 (Adrm1), mRNA.	Mme-M300011899	ILMN_2601590	0	0
11564	Adsl	0.247	0.045	-0.024	0	0	0	0	0	0	NM_009634	adenylosuccinate lyase (Adsl), mRNA.	Mme-M200008014	ILMN_2597936	0	0
11566	Adss	0.085	-0.003	0.048	0	0	0	0	0	0	NM_007422	adenylosuccinate synthetase, non muscle (Adss), mRNA.	Mme-M200008158	ILMN_2957614	0	0
11565	Adssl1	1.225	0.412	-0.117	1	0	0	1	0	0	NM_007421	adenylosuccinate synthetase like 1 (Adssl1), mRNA.	Mme-M200001333	ILMN_2958099	1	0
109254	Adtrp	-0.161	-0.079	-0.069	0	0	0	0	0	0	NM_175417	RIKEN cDNA 9530008L14 gene (9530008L14Rik), mRNA.	Mme-M300021535	ILMN_2962041	0	0
11568	Aebp1	0.049	-0.132	0.021	0	0	0	0	0	0	NM_009636	AE binding protein 1 (Aebp1), mRNA.	Mme-M200001876	ILMN_2873822	0	0
11569	Aebp2	0.173	-0.128	-0.136	0	0	0	0	0	0	NM_178803	AE binding protein 2 (Aebp2), transcript variant 2, mRNA.	Mme-M400017755	ILMN_3040064	0	0
68048	Aen	-0.290	-0.045	-0.107	0	0	0	0	0	0	NM_026531	interferon stimulated exonuclease gene 20-like 1 (Isg20l1), mRNA.	Mme-M300007325	ILMN_2924083	0	0
14797	Aes	-0.119	0.119	0.123	0	0	0	0	0	0	NM_010347	amino-terminal enhancer of split (Aes), mRNA.	Mme-M300009535	ILMN_2808336	0	0
236546	AF067061	0.090	-0.067	-0.007	0	0	0	0	0	0	NM_199060	cDNA sequence AF067061 (AF067061), mRNA.	Mme-M400012596	ILMN_2717345	0	0
380878	AF067063	-0.018	0.390	0.062	0	0	0	0	0	0	NM_001001449	cDNA sequence AF067063 (AF067063), mRNA.	Mme-M400010681	ILMN_1259930	0	0
140497	AF251705	0.240	-0.010	-0.017	0	0	0	0	0	0	NM_134158	cDNA sequence AF251705 (AF251705), mRNA.	Mme-M400011840	ILMN_2647336	0	0
209743	AF529169	-0.170	-0.001	-0.051	0	0	0	0	0	0	NM_153509	cDNA sequence AF529169 (AF529169), mRNA.	Mme-M300012094	ILMN_2652679	0	0
70292	Afap1	-0.153	-0.246	0.158	0	0	0	0	0	0	NM_027373	actin filament associated protein 1 (Afap1), mRNA.	Mme-M300006486	ILMN_1215073	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
106877	Afap1l1	-0.038	-0.042	-0.017	0	0	0	0	0	0	NM_178928	actin filament associated protein 1-like 1 (Afap1l1), mRNA.	Mme-M300008566	ILMN_2566501	0	0
226250	Afap1l2	-0.215	0.010	0.072	0	0	0	0	0	0	NM_146102	actin filament associated protein 1-like 2 (Afap1l2), mRNA.	Mme-M300004472	ILMN_2682991	0	0
17355	Aff1	0.135	-0.394	0.105	0	0	0	0	0	0	NM_001080798	AF4/FMR2 family, member 1 (Aff1), transcript variant 1, mRNA.	Mme-M400002694	ILMN_2469264	0	0
14266	Aff2	0.284	0.034	-0.011	0	0	0	0	0	0	NM_008032	AF4/FMR2 family, member 2 (Aff2), mRNA.	Mme-M200002652	ILMN_1259438	0	0
16764	Aff3	-0.328	0.111	-0.099	0	0	0	0	0	0	NM_010678	AF4/FMR2 family, member 3 (Aff3), mRNA.	Mme-M400008639	ILMN_2715013	0	0
93736	Aff4	-0.137	-0.241	-0.059	0	0	0	0	0	0	NM_033565	AF4/FMR2 family, member 4 (Aff4), mRNA.	Mme-M300001649	ILMN_1251170	0	0
114896	Afg3l1	0.158	0.138	-0.109	0	0	0	0	0	0	NM_054070	AFG3(ATPase family gene 3)-like 1 (yeast) (Afg3l1), mRNA.	Mme-M400011787	ILMN_1252760	0	0
69597	Afg3l2	0.125	-0.091	-0.168	0	0	0	0	0	0	NM_027130	AFG3(ATPase family gene 3)-like 2 (yeast) (Afg3l2), mRNA.	Mme-M400000751	ILMN_2524489	0	0
280662	Afm	-0.242	0.042	-0.010	0	0	0	0	0	0	NM_145146	afamin (Afm), mRNA.	Mme-M200006331	ILMN_2678063	0	0
71562	Afmid	0.125	0.199	-0.128	0	0	0	0	0	0	NM_027827	arylformamidase (Afmid), mRNA.	Mme-M200011652	ILMN_2600443	0	0
11576	Afp	-0.064	-0.053	0.023	0	0	0	0	0	0	NM_007423	alpha fetoprotein (Afp), mRNA.	Mme-M300006640	ILMN_1245472	0	0
216549	Aftph	0.121	0.078	-0.076	0	0	0	0	0	0	NM_181411	aftiphilin (Aftph), mRNA.	Mme-M200005850	ILMN_2818717	0	0
11593	Aga	0.518	0.069	0.035	0	0	0	0	0	0	NM_001005847	aspartylglucosaminidase (Aga), mRNA.	Mme-M300007756	ILMN_2673077	0	0
347722	Agap1	0.211	-0.064	-0.009	0	0	0	0	0	0	NM_001037136	centaurin, gamma 2 (Centg2), transcript variant 2, mRNA.	Mme-M400015793	ILMN_3086136	0	0
216439	Agap2	0.227	0.370	-0.156	0	0	0	0	0	0	NM_001033263	centaurin, gamma 1 (Centg1), mRNA.	Mme-M400009845	ILMN_3048728	0	0
213990	Agap3	-0.067	-0.049	-0.123	0	0	0	0	0	0	NM_139153	centaurin, gamma 3 (Centg3), mRNA.	Mme-M300003724	ILMN_2754598	0	0
271813	Agbl2	0.097	0.050	-0.030	0	0	0	0	0	0	NM_178755	ATP/GTP binding protein-like 2 (Agbl2), mRNA.	Mme-M300012871	ILMN_1214466	0	0
76223	Agbl3	-0.249	-0.066	-0.030	0	0	0	0	0	0	NM_178630	ATP/GTP binding protein-like 3 (Agbl3), mRNA.	Mme-M300011800	ILMN_2688622	0	0
78933	Agbl4	-0.027	-0.090	0.009	0	0	0	0	0	0	NM_030231	RIKEN cDNA 4931433A01 gene (4931433A01Rik), transcript variant 1, mRNA.	Mme-M400004457	ILMN_3081260	0	0
231093	Agbl5	0.133	-0.075	0.062	0	0	0	0	0	0	NM_174849	ATP/GTP binding protein-like 5 (Agbl5), transcript variant 5, mRNA.	Mme-M300006524	ILMN_2752600	0	0
11596	Ager	-0.317	0.086	-0.007	0	0	0	0	0	0	NM_007425	advanced glycosylation end product-specific receptor (Ager), mRNA.	Mme-M200001305	ILMN_1224092	0	0
15463	Agfg1	0.008	-0.108	0.113	0	0	0	0	0	0	NM_010472	HIV-1 Rev binding protein (Hrb), mRNA.	Mme-M400011041	ILMN_1231146	0	0
66549	Aggf1	-0.074	-0.198	-0.129	0	0	0	0	0	0	NM_025630	angiogenic factor with G patch and FHA domains 1 (Aggf1), mRNA.	Mme-M300002891	ILMN_2603559	0	0
69923	Agk	-0.171	0.024	0.038	0	0	0	0	0	0	NM_023538	acylglycerol kinase (Agk), mRNA.	Mme-M200007276	ILMN_2729605	0	0
77559	Agl	0.098	0.382	0.213	0	0	0	0	0	0	NM_001081326	amylo-1,6-glucosidase, 4-alpha-glucanotransferase (Agl), mRNA.	Mme-M300008761	ILMN_1257445	0	0
75986	Agmat	-0.269	0.070	-0.072	0	0	0	0	0	0	NM_001081408	agmatine ureohydrolase (agmatinase) (Agmat), mRNA.	Mme-M200006793	ILMN_2642426	0	0
236511	Ago1	-0.186	0.106	0.004	0	0	0	0	0	0	NM_153403	eukaryotic translation initiation factor 2C, 1 (Eif2c1), mRNA.	Mme-M400002508	ILMN_2693706	0	0
239528	Ago2	0.002	-0.069	-0.037	0	0	0	0	0	0	NM_153178	eukaryotic translation initiation factor 2C, 2 (Eif2c2), mRNA.	Mme-M400001919	ILMN_2609056	0	0
214150	Ago3	-0.163	0.145	0.207	0	0	0	0	0	0	NM_153402	eukaryotic translation initiation factor 2C, 3 (Eif2c3), mRNA.	Mme-M300006329	ILMN_2870191	0	0
76850	Ago4	0.121	-0.218	0.107	0	0	0	0	0	0	NM_153177	eukaryotic translation initiation factor 2C, 4 (Eif2c4), mRNA.	Mme-M400012191	ILMN_1246761	0	0
55979	Agpat1	0.023	0.159	-0.035	0	0	0	0	0	0	NM_018862	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha) (Agpat1), mRNA.	Mme-M200002732	ILMN_2666445	0	0
67512	Agpat2	0.037	-0.405	0.072	0	0	0	0	0	0	NM_026212	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta) (Agpat2), mRNA.	Mme-M200004840	ILMN_1215901	0	0
28169	Agpat3	-0.189	-0.177	-0.171	0	0	0	0	0	0	NM_053014	1-acylglycerol-3-phosphate O-acyltransferase 3 (Agpat3), mRNA.	Mme-M200009338	ILMN_1226540	0	0
68262	Agpat4	-0.076	0.026	-0.154	0	0	0	0	0	0	NM_026644	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta) (Agpat4), mRNA.	Mme-M200005686	ILMN_2960714	0	0
52123	Agpat5	0.196	0.052	-0.022	0	0	0	0	0	0	NM_026792	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (Agpat5), mRNA.	Mme-M200004793	ILMN_1250939	0	0
102247	Agpat6	0.029	-0.076	-0.171	0	0	0	0	0	0	NM_018743	1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta) (Agpat6), mRNA.	Mme-M300007771	ILMN_1252335	0	0
231510	Agpat9	-0.125	0.180	-0.062	0	0	0	0	0	0	NM_172715	1-acylglycerol-3-phosphate O-acyltransferase 9 (Agpat9), transcript variant 1, mRNA.	Mme-M300006608	ILMN_2675268	0	0
235386	Agphd1	0.042	-0.109	-0.087	0	0	0	0	0	0	NM_177351	RIKEN cDNA C630028N24 gene (C630028N24Rik), mRNA.	Mme-M400001857	ILMN_2773316	0	0
228061	Agps	0.107	-0.482	0.125	0	-1	0	0	0	0	NM_172666	alkylglycerone phosphate synthase (Agps), mRNA.	Mme-M300013677	ILMN_2760514	0	0
23795	Agr2	0.149	0.055	0.116	0	0	0	0	0	0	NM_011783	anterior gradient 2 (Xenopus laevis) (Agr2), mRNA.	Mme-M300002256	ILMN_2735583	0	0
403205	Agr3	-0.134	-0.004	-0.027	0	0	0	0	0	0	NM_207531	anterior gradient homolog 3 (Xenopus laevis) (Agr3), mRNA.	Mme-M300010289	ILMN_2902353	0	0
11603	Agrn	-0.418	-0.003	0.000	0	0	0	0	0	0	NM_021604	agrin (Agrn), mRNA.	Mme-M300013424	ILMN_2674367	0	0
11604	Agrp	-0.070	-0.035	0.005	0	0	0	0	0	0	NM_007427	agouti related protein (Agrp), mRNA.	Mme-M200014883	ILMN_2703427	0	0
11606	Agt	-0.246	-0.182	0.047	0	0	0	0	0	0	NM_007428	angiotensinogen (serpin peptidase inhibitor, clade A, member 8) (Agt), mRNA.	Mme-M200002745	ILMN_1227398	0	0
67269	Agtpbp1	0.164	-0.052	-0.131	0	0	0	0	0	0	NM_023328	ATP/GTP binding protein 1 (Agtpbp1), transcript variant 1, mRNA.	Mme-M200014357	ILMN_3117612	0	0
11607	Agtr1a	-0.036	0.061	-0.242	0	0	0	0	0	0	NM_177322	angiotensin II receptor, type 1a (Agtr1a), mRNA.	Mme-M300019880	ILMN_2972521	0	0
11608	Agtr1b	-0.020	-0.135	-0.044	0	0	0	0	0	0	NM_175086	angiotensin II receptor, type 1b (Agtr1b), mRNA.	Mme-M400005006	ILMN_2678559	0	0
11610	Agtrap	0.108	-0.260	0.072	0	0	0	0	0	0	NM_009642	angiotensin II, type I receptor-associated protein (Agtrap), mRNA.	Mme-M200014446	ILMN_2590950	0	0
11611	Agxt	-0.316	0.048	-0.081	0	0	0	0	0	0	NM_016702	alanine-glyoxylate aminotransferase (Agxt), mRNA.	Mme-M200002552	ILMN_2612117	0	0
268782	Agxt2	0.095	-0.126	-0.045	0	0	0	0	0	0	NM_001031851	alanine-glyoxylate aminotransferase 2 (Agxt2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000658	ILMN_2791665	0	0
226747	Ahctf1	-0.063	-0.390	-0.163	0	0	0	0	0	0	NM_026375	AT hook containing transcription factor 1 (Ahctf1), mRNA.	Mme-M200009005	ILMN_1238029	0	0
269378	Ahcy	-0.079	-0.112	-0.048	0	0	0	0	0	0	NM_016661	S-adenosylhomocysteine hydrolase (Ahcy), mRNA.	Mme-M300018908	ILMN_2852533	0	0
229709	Ahcyl1	0.175	-0.087	0.204	0	0	0	0	0	0	NM_145542	S-adenosylhomocysteine hydrolase-like 1 (Ahcyl1), mRNA.	Mme-M400014074	ILMN_1245795	0	0
74340	Ahcyl2	0.068	-0.147	0.039	0	0	0	0	0	0	NM_021414	S-adenosylhomocysteine hydrolase-like 2 (Ahcyl2), mRNA.	Mme-M300006859	ILMN_2828420	0	0
230793	Ahdc1	0.117	-0.170	0.174	0	0	0	0	0	0	NM_146155	AT hook, DNA binding motif, containing 1 (Ahdc1), mRNA.	Mme-M200007149	ILMN_2689187	0	0
52906	Ahi1	0.232	0.041	-0.154	0	0	0	0	0	0	NM_026203	Abelson helper integration site 1 (Ahi1), mRNA.	Mme-M300001939	ILMN_2813712	0	0
66395	Ahnak	-0.247	0.252	-0.102	0	0	0	0	0	0	NM_009643	AHNAK nucleoprotein (desmoyokin) (Ahnak), transcript variant 1, mRNA.	Mme-M400005928	ILMN_3079919	0	0
11622	Ahr	0.091	-0.011	-0.054	0	0	0	0	0	0	NM_013464	aryl-hydrocarbon receptor (Ahr), mRNA.	Mme-M200001752	ILMN_2737460	0	0
11624	Ahrr	-0.094	0.075	0.013	0	0	0	0	0	0	NM_009644	aryl-hydrocarbon receptor repressor (Ahrr), mRNA.	Mme-M400010959	ILMN_2729783	0	0
217737	Ahsa1	-0.025	0.102	0.123	0	0	0	0	0	0	NM_146036	AHA1, activator of heat shock protein ATPase homolog 1 (yeast) (Ahsa1), mRNA.	Mme-M300002521	ILMN_2675072	0	0
268390	Ahsa2	0.125	0.036	-0.098	0	0	0	0	0	0	NM_172391	AHA1, activator of heat shock protein ATPase homolog 2 (yeast) (Ahsa2), mRNA.	Mme-M300002112	ILMN_2746000	0	0
11625	Ahsg	0.134	-0.032	0.028	0	0	0	0	0	0	NM_013465	alpha-2-HS-glycoprotein (Ahsg), mRNA.	Mme-M200012824	ILMN_2764036	0	0
170812	Ahsp	0.345	0.606	0.522	0	1	1	0	1	1	NM_133245	erythroid associated factor (Eraf), mRNA.	Mme-M400011806	ILMN_2619200	2	0
244886	AI118078	-0.025	0.123	-0.446	0	0	-1	0	0	-1	NM_172923	expressed sequence AI118078 (AI118078), mRNA.	Mme-M300008185	ILMN_2604835	0	1
98870	AI182371	0.026	-0.008	0.030	0	0	0	0	0	0	NM_178885	expressed sequence AI182371 (AI182371), mRNA.	Mme-M400001856	ILMN_2739421	0	0
230249	AI314180	0.097	-0.284	0.189	0	0	0	0	0	0	NM_172381	expressed sequence AI314180 (AI314180), mRNA.	Mme-M300011683	ILMN_1249363	0	0
215929	AI317395	0.090	-0.054	-0.010	0	0	0	0	0	0	NM_144821	expressed sequence AI317395 (AI317395), mRNA.	Mme-M200005288	ILMN_2987599	0	0
106672	AI413582	0.195	0.171	-0.023	0	0	0	0	0	0	NM_001002895	expressed sequence AI413582 (AI413582), mRNA.	Mme-M400010703	ILMN_2857595	0	0
329828	AI464131	-0.014	0.172	0.049	0	0	0	0	0	0	NM_001085515	expressed sequence AI464131 (AI464131), mRNA.	Mme-M400003147	ILMN_2670472	0	0
101602	AI467606	0.169	0.294	0.137	0	0	0	0	0	0	NM_178901	expressed sequence AI467606 (AI467606), mRNA.	Mme-M300016141	ILMN_1213645	0	0
100155	AI481877	-0.216	-0.068	0.072	0	0	0	0	0	0	XM_001475240	PREDICTED: expressed sequence AI481877 (AI481877), mRNA.	Mme-M400010324	ILMN_2529455	0	0
229694	AI504432	0.253	0.003	-0.011	0	0	0	0	0	0	XR_035122	PREDICTED: expressed sequence AI504432 (AI504432), misc RNA.	Mme-M400005415	ILMN_2606331	0	0
330941	AI593442	-0.331	0.317	-0.464	0	0	-1	0	0	-1	NM_178906	expressed sequence AI593442 (AI593442), transcript variant 2, mRNA.	Mme-M400004259	ILMN_2654624	0	1
98404	AI597479	0.296	0.036	-0.088	0	0	0	0	0	0	NM_133818	expressed sequence AI597479 (AI597479), mRNA.	Mme-M200006180	ILMN_2970241	0	0
226691	AI607873	0.511	0.328	0.017	0	0	0	0	0	0	XM_980696	PREDICTED: expressed sequence AI607873 (AI607873), mRNA.	Mme-M400002320	ILMN_1254577	0	0
224833	AI661453	-0.111	-0.174	-0.081	0	0	0	0	0	0	NM_145489	expressed sequence AI661453 (AI661453), mRNA.	Mme-M300009320	ILMN_2649325	0	0
107242	AI837181	0.052	-0.118	0.135	0	0	0	0	0	0	NM_134149	expressed sequence AI837181 (AI837181), mRNA.	Mme-M200008340	ILMN_2847950	0	0
68229	AI846148	0.235	0.248	0.005	0	0	0	0	0	0	NM_001033139	expressed sequence AI846148 (AI846148), mRNA.	Mme-M300004398	ILMN_3162431	0	0
233168	AI987944	0.349	0.036	-0.082	0	0	0	0	0	0	NM_183167	expressed sequence AI987944 (AI987944), mRNA.	Mme-M400005490	ILMN_2673099	0	0
11628	Aicda	0.290	0.088	0.085	0	0	0	0	0	0	NM_009645	activation-induced cytidine deaminase (Aicda), mRNA.	Mme-M200007219	ILMN_2612278	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
108909	Aida	0.229	0.388	0.147	0	0	0	0	0	0	NM_181732	RIKEN cDNA 2610208M17 gene (2610208M17Rik), mRNA.	Mme-M400007976	ILMN_3104094	0	0
11629	Aif1	0.000	0.869	0.414	0	1	1	0	1	1	NM_019467	allograft inflammatory factor 1 (Aif1), mRNA.	Mme-M200002991	ILMN_1212938	2	0
108897	Aif1l	0.013	0.035	0.049	0	0	0	0	0	0	NM_145144	RIKEN cDNA 2810003C17 gene (2810003C17Rik), mRNA.	Mme-M300000237	ILMN_2741063	0	0
26926	Aifm1	0.146	-0.238	-0.037	0	0	0	0	0	0	NM_012019	apoptosis-inducing factor, mitochondrion-associated 1 (Aifm1), nuclear gene encoding mitochondrial protein, m	Mme-M300010638	ILMN_2881263	0	0
71361	Aifm2	0.196	-0.038	0.096	0	0	0	0	0	0	NM_153779	apoptosis-inducing factor, mitochondrion-associated 2 (Aifm2), nuclear gene encoding mitochondrial protein, tr	Mme-M400008715	ILMN_1259418	0	0
72168	Aifm3	-0.249	-0.113	-0.019	0	0	0	0	0	0	NM_175178	apoptosis-inducing factor, mitochondrion-associated 3 (Aifm3), nuclear gene encoding mitochondrial protein, m	Mme-M300003488	ILMN_2947901	0	0
66253	Aig1	-0.189	-0.116	0.041	0	0	0	0	0	0	NM_025446	androgen-induced 1 (Aig1), mRNA.	Mme-M200014314	ILMN_1227386	0	0
11630	Aim1	-0.025	0.024	0.136	0	0	0	0	0	0	NM_172393	absent in melanoma 1 (Aim1), mRNA.	Mme-M200013063	ILMN_2590917	0	0
230806	Aim1l	-0.268	0.072	0.077	0	0	0	0	0	0	XM_131754	PREDICTED: absent in melanoma 1-like, transcript variant 1 (Aim1l), mRNA.	Mme-M300001166	ILMN_1214944	0	0
383619	Aim2	-0.117	0.420	0.122	0	1	0	0	0	0	NM_001013779	absent in melanoma 2 (Aim2), mRNA.	Mme-M400002070	ILMN_1223868	0	0
13722	Aimp1	0.067	0.081	-0.022	0	0	0	0	0	0	NM_007926	small inducible cytokine subfamily E, member 1 (Scye1), mRNA.	Mme-M300005908	ILMN_2613399	0	0
231872	Aimp2	0.020	0.151	-0.131	0	0	0	0	0	0	NM_146165	JTV1 gene (Jtv1), mRNA.	Mme-M300006769	ILMN_2943217	0	0
11632	Aip	0.050	0.095	-0.099	0	0	0	0	0	0	NM_016666	aryl-hydrocarbon receptor-interacting protein (Aip), mRNA.	Mme-M200002931	ILMN_2777655	0	0
114230	Aipl1	-0.123	0.013	-0.071	0	0	0	0	0	0	NM_053245	aryl hydrocarbon receptor-interacting protein-like 1 (Aipl1), mRNA.	Mme-M200016127	ILMN_2435056	0	0
11634	Aire	-0.368	0.030	0.032	0	0	0	0	0	0	NM_009646	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy) (Aire), mRNA.	Mme-M200007734	ILMN_2707921	0	0
230959	Ajap1	-0.021	0.255	0.009	0	0	0	0	0	0	NM_001099299	adherens junction associated protein 1 (Ajap1), mRNA.	Mme-M400002268	ILMN_1231205	0	0
16475	Ajuba	-0.087	-0.047	0.054	0	0	0	0	0	0	NM_010590	ajuba (Jub), mRNA.	Mme-M300003124	ILMN_2630319	0	0
11636	Ak1	0.397	0.317	-0.029	0	0	0	0	0	0	NM_021515	adenylate kinase 1 (Ak1), mRNA.	Mme-M200006371	ILMN_2667805	0	0
234915	AK129341	0.228	-0.111	0.125	0	0	0	0	0	0	NM_001045524	cDNA sequence AK129341 (AK129341), mRNA.	Mme-M300012821	ILMN_2848473	0	0
11637	Ak2	0.254	0.179	0.119	0	0	0	0	0	0	NM_016895	adenylate kinase 2 (Ak2), transcript variant 2, mRNA.	Mme-M300006296	ILMN_2641360	0	0
56248	Ak3	0.305	-0.142	0.127	0	0	0	0	0	0	NM_021299	adenylate kinase 3 (Ak3), mRNA.	Mme-M200005559	ILMN_1244147	0	0
11639	Ak4	0.245	0.319	-0.102	0	0	0	0	0	0	NM_009647	adenylate kinase 3 alpha-like 1 (Ak3l1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013852	ILMN_1256564	0	0
229949	Ak5	-0.346	-0.008	-0.076	0	0	0	0	0	0	NM_001081277	adenylate kinase 5 (Ak5), mRNA.	Mme-M300011913	ILMN_2499914	0	0
78801	Ak7	-0.085	-0.045	0.035	0	0	0	0	0	0	XM_911194	PREDICTED: adenylate kinase 7 (Ak7), mRNA.	Mme-M300013119	ILMN_2427705	0	0
68870	Ak8	-0.037	0.012	-0.213	0	0	0	0	0	0	NM_001033874	RIKEN cDNA 1190002A17 gene (1190002A17Rik), mRNA.	Mme-M200005241	ILMN_2590894	0	0
633979	Ak9	0.105	-0.038	-0.032	0	0	0	0	0	0	XR_032514	PREDICTED: similar to hCG2030702 (LOC633979), misc RNA.	Mme-M400002130	ILMN_1250284	0	0
11640	Akap1	0.266	0.149	0.078	0	0	0	0	0	0	NM_009648	A kinase (PRKA) anchor protein 1 (Akap1), nuclear gene encoding mitochondrial protein, transcript variant 1, mR	Mme-M400010960	ILMN_2775655	0	0
56697	Akap10	-0.023	-0.211	-0.092	0	0	0	0	0	0	NM_019921	A kinase (PRKA) anchor protein 10 (Akap10), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300013969	ILMN_1220276	0	0
219181	Akap11	-0.139	-0.123	-0.169	0	0	0	0	0	0	XM_915278	PREDICTED: A kinase (PRKA) anchor protein 11 (Akap11), mRNA.	Mme-M300003065	ILMN_2627006	0	0
83397	Akap12	-0.143	-0.282	0.269	0	0	0	0	0	0	NM_031185	A kinase (PRKA) anchor protein (gravin) 12 (Akap12), mRNA.	Mme-M400011718	ILMN_2437686	0	0
434756	Akap14	-0.319	-0.045	-0.049	0	0	0	0	0	0	NM_001033785	A kinase (PRKA) anchor protein 14 (Akap14), mRNA.	Mme-M300010427	ILMN_2780362	0	0
338351	Akap17b	-0.122	-0.152	-0.159	0	0	0	0	0	0	NM_001081956	splicing factor, arginine/serine-rich 17b (Sfrs17b), mRNA.	Mme-M300016952	ILMN_2716719	0	0
11641	Akap2	0.108	-0.101	-0.194	0	0	0	0	0	0	NM_009649	A kinase (PRKA) anchor protein 2 (Akap2), transcript variant 3, mRNA.	Mme-M400010961	ILMN_2741238	0	0
11642	Akap3	-0.067	0.038	-0.051	0	0	0	0	0	0	NM_009650	A kinase (PRKA) anchor protein 3 (Akap3), mRNA.	Mme-M200015908	ILMN_2614990	0	0
11643	Akap4	-0.580	0.114	0.128	0	0	0	0	0	0	NM_009651	A kinase (PRKA) anchor protein 4 (Akap4), transcript variant 1, mRNA.	Mme-M300020799	ILMN_3051805	0	0
238276	Akap5	0.155	-0.062	-0.110	0	0	0	0	0	0	NM_001101471	A kinase (PRKA) anchor protein 5 (Akap5), mRNA.	Mme-M400000436	ILMN_2440634	0	0
238161	Akap6	-0.137	0.077	0.013	0	0	0	0	0	0	NM_198111	A kinase (PRKA) anchor protein 6 (Akap6), mRNA.	Mme-M400007450	ILMN_3005211	0	0
432442	Akap7	0.361	-0.210	0.127	0	0	0	0	0	0	NM_018747	A kinase (PRKA) anchor protein 7 (Akap7), mRNA.	Mme-M400002231	ILMN_2944413	0	0
56399	Akap8	0.153	-0.211	0.169	0	0	0	0	0	0	NM_019774	A kinase (PRKA) anchor protein 8 (Akap8), mRNA.	Mme-M300003877	ILMN_2920008	0	0
54194	Akap8l	0.179	-0.186	0.028	0	0	0	0	0	0	NM_017476	A kinase (PRKA) anchor protein 8-like (Akap8l), mRNA.	Mme-M200002805	ILMN_1242769	0	0
100986	Akap9	0.135	-0.144	0.172	0	0	0	0	0	0	NM_194462	A kinase (PRKA) anchor protein (yotiao) 9 (Akap9), mRNA.	Mme-M300006441	ILMN_2678495	0	0
57373	Akip1	0.209	-0.103	0.025	0	0	0	0	0	0	NM_020616	RIKEN cDNA D930014E17 gene (D930014E17Rik), mRNA.	Mme-M200003221	ILMN_2729762	0	0
68050	Akirin1	0.200	-0.106	0.067	0	0	0	0	0	0	NM_023423	RIKEN cDNA 6330407G11 gene (6330407G11Rik), mRNA.	Mme-M300003658	ILMN_1239720	0	0
433693	Akirin2	-0.149	-0.240	0.111	0	0	0	0	0	0	NM_001007589	RIKEN cDNA 2700059D21 gene (2700059D21Rik), mRNA.	Mme-M300006034	ILMN_1230192	0	0
100182	Akna	-0.123	0.294	0.120	0	0	0	0	0	0	NM_001045514	AT-hook transcription factor (Akna), mRNA.	Mme-M300011993	ILMN_2787785	0	0
329738	Aknad1	0.067	-0.054	-0.031	0	0	0	0	0	0	XM_001052094	PREDICTED: RIKEN cDNA 4921525H12 gene (4921525H12Rik), mRNA.	Mme-M300020303	ILMN_2627377	0	0
11648	Akp3	0.039	-0.033	-0.041	0	0	0	0	0	0	NM_007432	alkaline phosphatase 3, intestine, not Mn requiring (Akp3), mRNA.	Mme-M200014607	ILMN_2698889	0	0
58810	Akr1a1	0.188	0.116	-0.117	0	0	0	0	0	0	NM_021473	aldo-keto reductase family 1, member A4 (aldehyde reductase) (Akr1a4), mRNA.	Mme-M200006829	ILMN_3147135	0	0
67861	Akr1b10	0.261	0.366	0.122	0	0	0	0	0	0	NM_172398	RIKEN cDNA 2310005E10 gene (2310005E10Rik), mRNA.	Mme-M300006848	ILMN_2733753	0	0
11997	Akr1b7	0.134	-0.098	0.113	0	0	0	0	0	0	NM_009731	aldo-keto reductase family 1, member B7 (Akr1b7), mRNA.	Mme-M300006850	ILMN_1238042	0	0
14187	Akr1b8	0.015	0.025	0.031	0	0	0	0	0	0	NM_008012	aldo-keto reductase family 1, member B8 (Akr1b8), mRNA.	Mme-M200002251	ILMN_1219188	0	0
27384	Akr1c13	0.044	0.043	0.098	0	0	0	0	0	0	NM_013778	aldo-keto reductase family 1, member C13 (Akr1c13), mRNA.	Mme-M300002624	ILMN_2606079	0	0
105387	Akr1c14	0.460	-0.015	-0.116	0	0	0	0	0	0	NM_134072	aldo-keto reductase family 1, member C14 (Akr1c14), mRNA.	Mme-M200005358	ILMN_2921215	0	0
105349	Akr1c18	0.187	0.150	-0.028	0	0	0	0	0	0	NM_134066	aldo-keto reductase family 1, member C18 (Akr1c18), mRNA.	Mme-M200013555	ILMN_1260323	0	0
432720	Akr1c19	-0.097	0.029	0.019	0	0	0	0	0	0	NM_001013785	aldo-keto reductase family 1, member C19 (Akr1c19), mRNA.	Mme-M400000446	ILMN_3160292	0	0
116852	Akr1c20	-0.252	-0.045	0.002	0	0	0	0	0	0	NM_054080	aldo-keto reductase family 1, member C20 (Akr1c20), mRNA.	Mme-M200007957	ILMN_2663228	0	0
77337	Akr1c21	0.008	-0.001	0.042	0	0	0	0	0	0	NM_029901	aldo-keto reductase family 1, member C21 (Akr1c21), mRNA.	Mme-M200005411	ILMN_1223540	0	0
83702	Akr1c6	-0.107	-0.041	-0.023	0	0	0	0	0	0	NM_030611	aldo-keto reductase family 1, member C6 (Akr1c6), mRNA.	Mme-M400000447	ILMN_2619565	0	0
70861	Akr1cl	0.044	0.025	-0.074	0	0	0	0	0	0	NM_027582	RIKEN cDNA 4921521F21 gene (4921521F21Rik), mRNA.	Mme-M400000874	ILMN_1240216	0	0
208665	Akr1d1	0.058	0.070	0.003	0	0	0	0	0	0	NM_145364	aldo-keto reductase family 1, member D1 (Akr1d1), mRNA.	Mme-M200015452	ILMN_2752782	0	0
56043	Akr1e1	0.031	-0.022	0.164	0	0	0	0	0	0	NM_018859	aldo-keto reductase family 1, member E1 (Akr1e1), mRNA.	Mme-M300016369	ILMN_2602837	0	0
110198	Akr7a5	0.114	-0.242	-0.177	0	0	0	0	0	0	NM_025337	aldo-keto reductase family 7, member A5 (aflatoxin aldehyde reductase) (Akr7a5), mRNA.	Mme-M200005276	ILMN_2625991	0	0
11651	Akt1	0.107	0.012	0.003	0	0	0	0	0	0	NM_009652	thymoma viral proto-oncogene 1 (Akt1), mRNA.	Mme-M300000229	ILMN_1213935	0	0
67605	Akt1s1	0.045	-0.072	-0.009	0	0	0	0	0	0	NM_026270	AKT1 substrate 1 (proline-rich) (Akt1s1), mRNA.	Mme-M200009548	ILMN_1214358	0	0
11652	Akt2	0.508	0.156	-0.031	0	0	0	0	0	0	NM_007434	thymoma viral proto-oncogene 2 (Akt2), transcript variant 2, mRNA.	Mme-M200002751	ILMN_2655895	0	0
23797	Akt3	-0.068	-0.177	-0.120	0	0	0	0	0	0	NM_011785	thymoma viral proto-oncogene 3 (Akt3), mRNA.	Mme-M200016059	ILMN_2904321	0	0
17025	Alad	0.141	-0.217	-0.046	0	0	0	0	0	0	NM_008525	aminolevulinate, delta-, dehydratase (Alad), mRNA.	Mme-M200002468	ILMN_2655015	0	0
11655	Alas1	0.212	-0.147	0.027	0	0	0	0	0	0	NM_020559	aminolevulinic acid synthase 1 (Alas1), mRNA.	Mme-M300008442	ILMN_2664040	0	0
11656	Alas2	0.276	0.566	0.177	0	1	0	0	1	0	NM_001102446	aminolevulinic acid synthase 2, erythroid (Alas2), nuclear gene encoding mitochondrial protein, transcript varian	Mme-M400010964	ILMN_2675874	1	0
11657	Alb	-0.095	0.010	0.020	0	0	0	0	0	0	NM_009654	albumin (Alb), mRNA.	Mme-M300006639	ILMN_2651160	0	0
11658	Alcam	0.246	-0.352	0.121	0	0	0	0	0	0	NM_009655	activated leukocyte cell adhesion molecule (Alcam), mRNA.	Mme-M300003422	ILMN_2606804	0	0
69748	Aldh16a1	0.068	-0.031	-0.011	0	0	0	0	0	0	NM_145954	aldehyde dehydrogenase 16 family, member A1 (Aldh16a1), mRNA.	Mme-M200012980	ILMN_1245112	0	0
56454	Aldh18a1	0.313	0.183	0.018	0	0	0	0	0	0	NM_153554	aldehyde dehydrogenase 18 family, member A1 (Aldh18a1), nuclear gene encoding mitochondrial protein, trans	Mme-M200006634	ILMN_2777947	0	0
11668	Aldh1a1	0.200	0.093	0.225	0	0	0	0	0	0	NM_013467	aldehyde dehydrogenase family 1, subfamily A1 (Aldh1a1), mRNA.	Mme-M400011193	ILMN_1222734	0	0
19378	Aldh1a2	-0.021	-0.290	0.198	0	0	0	0	0	0	NM_009022	aldehyde dehydrogenase family 1, subfamily A2 (Aldh1a2), mRNA.	Mme-M300001229	ILMN_2630749	0	0
56847	Aldh1a3	-0.027	-0.031	-0.035	0	0	0	0	0	0	NM_053080	aldehyde dehydrogenase family 1, subfamily A3 (Aldh1a3), mRNA.	Mme-M200009328	ILMN_2761436	0	0
26358	Aldh1a7	0.237	-0.117	-0.024	0	0	0	0	0	0	NM_011921	aldehyde dehydrogenase family 1, subfamily A7 (Aldh1a7), mRNA.	Mme-M400011179	ILMN_1218981	0	0
72535	Aldh1b1	0.203	-0.051	-0.146	0	0	0	0	0	0	NM_028270	aldehyde dehydrogenase 1 family, member B1 (Aldh1b1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004902	ILMN_1257020	0	0
107747	Aldh1l1	-0.111	0.195	0.146	0	0	0	0	0	0	NM_027406	aldehyde dehydrogenase 1 family, member L1 (Aldh1l1), mRNA.	Mme-M300006994	ILMN_2703392	0	0
216188	Aldh1l2	0.060	0.159	0.103	0	0	0	0	0	0	NM_153543	aldehyde dehydrogenase 1 family, member L2 (Aldh1l2), mRNA.	Mme-M300002094	ILMN_2898319	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11669	Aldh2	-0.123	-0.290	-0.020	0	0	0	0	0	0	NM_009656	aldehyde dehydrogenase 2, mitochondrial (Aldh2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000997	ILMN_2733179	0	0
11670	Aldh3a1	0.114	-0.087	-0.096	0	0	0	0	0	0	NM_001112725	aldehyde dehydrogenase family 3, subfamily A1 (Aldh3a1), transcript variant 2, mRNA.	Mme-M200001654	ILMN_1253178	0	0
67689	Aldh3b1	0.121	0.136	-0.111	0	0	0	0	0	0	NM_026316	aldehyde dehydrogenase 3 family, member B1 (Aldh3b1), mRNA.	Mme-M200014631	ILMN_2645793	0	0
621603	Aldh3b2	-0.205	-0.660	-0.058	0	-1	0	0	-1	0	XM_129134	PREDICTED: aldehyde dehydrogenase 3 family, member B2 (Aldh3b2), mRNA.	Mme-M400001994	ILMN_2746937	0	1
212647	Aldh4a1	0.104	-0.226	0.018	0	0	0	0	0	0	NM_175438	aldehyde dehydrogenase 4 family, member A1 (Aldh4a1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400012313	ILMN_2874554	0	0
214579	Aldh5a1	0.168	-0.393	0.044	0	0	0	0	0	0	NM_172532	aldhehyde dehydrogenase family 5, subfamily A1 (Aldh5a1), mRNA.	Mme-M300010159	ILMN_2870161	0	0
104776	Aldh6a1	-0.044	-0.342	0.125	0	0	0	0	0	0	NM_134042	aldehyde dehydrogenase family 6, subfamily A1 (Aldh6a1), nuclear gene encoding mitochondrial protein, mRNA	Mme-M200012102	ILMN_1258158	0	0
110695	Aldh7a1	-0.469	-0.024	0.120	0	0	0	0	0	0	NM_138600	aldehyde dehydrogenase family 7, member A1 (Aldh7a1), mRNA.	Mme-M200006922	ILMN_2590532	0	0
237320	Aldh8a1	0.136	-0.062	0.090	0	0	0	0	0	0	NM_178713	aldehyde dehydrogenase 8 family, member A1 (Aldh8a1), mRNA.	Mme-M300010989	ILMN_1226247	0	0
56752	Aldh9a1	-0.165	0.014	-0.076	0	0	0	0	0	0	NM_019993	aldehyde dehydrogenase 9, subfamily A1 (Aldh9a1), mRNA.	Mme-M200006661	ILMN_2599181	0	0
11674	Aldoa	0.052	0.214	0.019	0	0	0	0	0	0	NM_007438	aldolase 1, A isoform (Aldoa), mRNA.	Mme-M300007364	ILMN_2599130	0	0
79459	Aldoart2	0.064	0.068	0.000	0	0	0	0	0	0	NR_003959	aldolase 1, A isoform, retrogene 2 (Aldoart2) on chromosome 12.	Mme-M200003833	ILMN_2657963	0	0
230163	Aldob	-0.294	-0.063	-0.037	0	0	0	0	0	0	NM_144903	aldolase 2, B isoform (Aldob), mRNA.	Mme-M300006040	ILMN_2840533	0	0
11676	Aldoc	0.031	0.282	0.002	0	0	0	0	0	0	NM_009657	aldolase 3, C isoform (Aldoc), mRNA.	Mme-M400000271	ILMN_3160137	0	0
208211	Alg1	0.229	0.020	-0.211	0	0	0	0	0	0	NM_145362	asparagine-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase) (Alg1), mRNA.	Mme-M300012166	ILMN_1220881	0	0
207958	Alg11	0.143	-0.159	0.072	0	0	0	0	0	0	NM_183142	asparagine-linked glycosylation 11 homolog (yeast, alpha-1,2-mannosyltransferase) (Alg11), mRNA.	Mme-M300011101	ILMN_2827701	0	0
223774	Alg12	-0.267	-0.182	0.101	0	0	0	0	0	0	NM_145477	asparagine-linked glycosylation 12 homolog (yeast, alpha-1,6-mannosyltransferase) (Alg12), mRNA.	Mme-M200013628	ILMN_2680686	0	0
67574	Alg13	-0.147	0.023	0.021	0	0	0	0	0	0	NM_026247	asparagine-linked glycosylation 13 homolog (S. cerevisiae) (Alg13), mRNA.	Mme-M400009746	ILMN_1242687	0	0
66789	Alg14	0.082	0.021	0.007	0	0	0	0	0	0	NM_024178	asparagine-linked glycosylation 14 homolog (yeast) (Alg14), mRNA.	Mme-M400002307	ILMN_2605575	0	0
56737	Alg2	0.073	0.118	-0.055	0	0	0	0	0	0	NM_019998	asparagine-linked glycosylation 2 homolog (yeast, alpha-1,3-mannosyltransferase) (Alg2), mRNA.	Mme-M200004321	ILMN_2803334	0	0
208624	Alg3	0.274	0.122	-0.142	0	0	0	0	0	0	NM_145939	asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase) (Alg3), mRNA.	Mme-M300008961	ILMN_1215893	0	0
66248	Alg5	0.287	0.063	-0.106	0	0	0	0	0	0	NM_025442	asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase) (Alg5), mRNA.	Mme-M200009513	ILMN_2660414	0	0
320438	Alg6	0.281	-0.148	0.156	0	0	0	0	0	0	NM_001081264	asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase) (Alg6), mRNA.	Mme-M400001795	ILMN_1242540	0	0
381903	Alg8	-0.003	0.108	-0.146	0	0	0	0	0	0	NM_199035	asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase) (Alg8), mRNA.	Mme-M300010059	ILMN_1218327	0	0
102580	Alg9	-0.025	-0.150	-0.098	0	0	0	0	0	0	NM_133981	asparagine-linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase) (Alg9), mRNA.	Mme-M200008077	ILMN_2892292	0	0
11682	Alk	0.104	0.108	-0.074	0	0	0	0	0	0	NM_007439	anaplastic lymphoma kinase (Alk), mRNA.	Mme-M300003893	ILMN_2769925	0	0
211064	Alkbh1	0.258	0.108	-0.084	0	0	0	0	0	0	NM_001102565	alkB, alkylation repair homolog 1 (E. coli) (Alkbh1), mRNA.	Mme-M300002523	ILMN_2742879	0	0
231642	Alkbh2	-0.069	0.033	-0.037	0	0	0	0	0	0	NM_175016	alkB, alkylation repair homolog 2 (E. coli) (Alkbh2), mRNA.	Mme-M300015363	ILMN_2620365	0	0
69113	Alkbh3	0.107	0.091	0.052	0	0	0	0	0	0	NM_026944	alkB, alkylation repair homolog 3 (E. coli) (Alkbh3), mRNA.	Mme-M300012546	ILMN_2699294	0	0
72041	Alkbh4	0.165	0.193	-0.105	0	0	0	0	0	0	NM_028070	alkB, alkylation repair homolog 4 (E. coli) (Alkbh4), mRNA.	Mme-M200007761	ILMN_1226152	0	0
268420	Alkbh5	0.267	-0.059	-0.084	0	0	0	0	0	0	NM_172943	alkB, alkylation repair homolog 5 (E. coli) (Alkbh5), mRNA.	Mme-M300013817	ILMN_1255259	0	0
233065	Alkbh6	0.261	-0.145	-0.209	0	0	0	0	0	0	NM_198027	alkB, alkylation repair homolog 6 (E. coli) (Alkbh6), mRNA.	Mme-M400002677	ILMN_2720092	0	0
66400	Alkbh7	-0.019	-0.086	-0.095	0	0	0	0	0	0	NM_025538	alkB, alkylation repair homolog 7 (E. coli) (Alkbh7), mRNA.	Mme-M300000327	ILMN_1251766	0	0
67667	Alkbh8	0.068	-0.147	0.046	0	0	0	0	0	0	NM_026303	alkB, alkylation repair homolog 8 (E. coli) (Alkbh8), mRNA.	Mme-M200011714	ILMN_1258943	0	0
94041	Allc	-0.212	-0.089	0.018	0	0	0	0	0	0	NM_053156	allantoicase (Allc), mRNA.	Mme-M300002294	ILMN_2667335	0	0
236266	Alms1	-0.311	0.043	-0.037	0	0	0	0	0	0	NM_145223	Alstrom syndrome 1 homolog (human) (Alms1), mRNA.	Mme-M400008426	ILMN_1239446	0	0
11684	Alox12	-0.218	0.110	-0.128	0	0	0	0	0	0	NM_007440	arachidonate 12-lipoxygenase (Alox12), mRNA.	Mme-M200003082	ILMN_2613908	0	0
11686	Alox12b	0.228	0.074	0.047	0	0	0	0	0	0	NM_009659	arachidonate 12-lipoxygenase, 12R type (Alox12b), mRNA.	Mme-M200002881	ILMN_1235966	0	0
11685	Alox12e	-0.239	0.230	-0.155	0	0	0	0	0	0	NM_145684	arachidonate lipoxygenase, epidermal (Alox12e), mRNA.	Mme-M200000405	ILMN_2654225	0	0
11687	Alox15	0.109	0.026	-0.086	0	0	0	0	0	0	NM_009660	arachidonate 15-lipoxygenase (Alox15), mRNA.	Mme-M200001824	ILMN_2789023	0	0
11689	Alox5	0.061	0.114	-0.074	0	0	0	0	0	0	NM_009662	arachidonate 5-lipoxygenase (Alox5), mRNA.	Mme-M300004733	ILMN_1221016	0	0
11690	Alox5ap	-0.249	0.475	0.131	0	1	0	0	0	0	NM_009663	arachidonate 5-lipoxygenase activating protein (Alox5ap), mRNA.	Mme-M200003779	ILMN_2863837	0	0
11688	Alox8	0.082	-0.167	0.025	0	0	0	0	0	0	NM_009661	arachidonate 8-lipoxygenase (Alox8), mRNA.	Mme-M200002344	ILMN_2665478	0	0
23801	Aloxe3	-0.015	0.131	-0.071	0	0	0	0	0	0	NM_011786	arachidonate lipoxygenase 3 (Aloxe3), mRNA.	Mme-M200013827	ILMN_1248005	0	0
76768	Alpi	-0.532	0.023	0.008	0	0	0	0	0	0	NM_001081082	alkaline phosphatase, intestinal (Alpi), mRNA.	Mme-M300010411	ILMN_1241497	0	0
71481	Alpk1	-0.137	-0.008	-0.041	0	0	0	0	0	0	XM_894534	PREDICTED: alpha-kinase 1, transcript variant 2 (Alpk1), mRNA.	Mme-M300008425	ILMN_2762222	0	0
225638	Alpk2	0.040	-0.142	-0.039	0	0	0	0	0	0	XM_914598	PREDICTED: alpha-kinase 2, transcript variant 1 (Alpk2), mRNA.	Mme-M200013168	ILMN_1236742	0	0
116904	Alpk3	0.228	0.324	-0.032	0	0	0	0	0	0	NM_054085	alpha-kinase 3 (Alpk3), mRNA.	Mme-M200005055	ILMN_3001417	0	0
11647	Alpl	0.525	0.110	0.023	0	0	0	0	0	0	NM_007431	alkaline phosphatase, liver/bone/kidney (Alpl), mRNA.	Mme-M200000473	ILMN_2661287	0	0
11650	Alppl2	-0.078	-0.039	-0.050	0	0	0	0	0	0	NM_007433	alkaline phosphatase 5 (Akp5), mRNA.	Mme-M200005242	ILMN_2666607	0	0
74018	Als2	0.115	-0.181	-0.129	0	0	0	0	0	0	NM_028717	amyotrophic lateral sclerosis 2 (juvenile) homolog (human) (Als2), mRNA.	Mme-M400000884	ILMN_2717470	0	0
235633	Als2cl	-0.253	0.109	0.063	0	0	0	0	0	0	NM_146228	ALS2 C-terminal like (Als2cl), mRNA.	Mme-M300015085	ILMN_1240592	0	0
73463	Als2cr11	-0.084	0.004	-0.027	0	0	0	0	0	0	NM_175200	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 (human) (Als2cr11), mRNA.	Mme-M300011333	ILMN_2614186	0	0
108812	Als2cr12	-0.241	-0.001	-0.037	0	0	0	0	0	0	NM_175370	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12 (human) (Als2cr12), mRNA.	Mme-M400003315	ILMN_2698213	0	0
216285	Alx1	0.082	0.022	0.031	0	0	0	0	0	0	NM_172553	ALX homeobox 1 (Alx1), mRNA.	Mme-M300010460	ILMN_2686652	0	0
11694	Alx3	-0.159	-0.064	-0.057	0	0	0	0	0	0	NM_007441	aristaless 3 (Alx3), mRNA.	Mme-M200002873	ILMN_3128478	0	0
11695	Alx4	0.466	-0.044	-0.070	0	0	0	0	0	0	NM_007442	aristaless 4 (Alx4), mRNA.	Mme-M200002308	ILMN_2904175	0	0
21681	Alyref	0.109	-0.100	0.138	0	0	0	0	0	0	NM_011568	THO complex 4 (Thoc4), mRNA.	Mme-M400000798	ILMN_2747744	0	0
56009	Alyref2	-0.178	-0.049	0.063	0	0	0	0	0	0	NM_019484	RNA and export factor binding protein 2 (Refbp2), mRNA.	Mme-M400007155	ILMN_2697266	0	0
17117	Amacr	-0.014	0.020	0.076	0	0	0	0	0	0	NM_008537	alpha-methylacyl-CoA racemase (Amacr), mRNA.	Mme-M300003163	ILMN_2948539	0	0
11698	Ambn	-0.093	0.096	-0.085	0	0	0	0	0	0	NM_009664	ameloblastin (Ambn), mRNA.	Mme-M200002711	ILMN_1240933	0	0
11699	Ambp	0.120	0.034	0.047	0	0	0	0	0	0	NM_007443	alpha 1 microglobulin/bikunin (Ambp), mRNA.	Mme-M200000834	ILMN_2904137	0	0
228361	Ambra1	-0.058	0.126	-0.064	0	0	0	0	0	0	NM_001080754	autophagy/beclin 1 regulator 1 (Ambra1), transcript variant 2, mRNA.	Mme-M300012703	ILMN_1237642	0	0
11702	Amd1	0.159	0.080	0.192	0	0	0	0	0	0	NM_009665	S-adenosylmethionine decarboxylase 1 (Amd1), mRNA.	Mme-M400007301	ILMN_2676074	0	0
71761	Amdhd1	0.051	0.027	-0.018	0	0	0	0	0	0	XM_125854	PREDICTED: amidohydrolase domain containing 1 (Amdhd1), mRNA.	Mme-M200015564	ILMN_1232159	0	0
245847	Amdhd2	-0.101	0.172	0.037	0	0	0	0	0	0	NM_172935	amidohydrolase domain containing 2 (Amdhd2), mRNA.	Mme-M300010547	ILMN_2605556	0	0
11704	Amelx	0.124	0.002	-0.059	0	0	0	0	0	0	NM_009666	amelogenin X chromosome (Amelx), transcript variant 2, mRNA.	Mme-M200011745	ILMN_2718293	0	0
72345	Amer1	0.146	0.022	-0.230	0	0	0	0	0	0	NM_175179	RIKEN cDNA 2810002O09 gene (2810002O09Rik), mRNA.	Mme-M400016508	ILMN_2772140	0	0
72125	Amer2	-0.142	-0.170	-0.393	0	0	-1	0	0	0	NM_028113	RIKEN cDNA 2600011E07 gene (2600011E07Rik), mRNA.	Mme-M200010465	ILMN_2967750	0	0
211383	Amer3	-0.049	-0.155	0.027	0	0	0	0	0	0	NM_213727	RIKEN cDNA 9430069J07 gene (9430069J07Rik), mRNA.	Mme-M300016149	ILMN_2698061	0	0
23802	Amfr	0.261	-0.049	0.082	0	0	0	0	0	0	NM_011787	autocrine motility factor receptor (Amfr), mRNA.	Mme-M200007625	ILMN_2470210	0	0
11705	Amh	0.185	-0.033	0.039	0	0	0	0	0	0	NM_007445	anti-Mullerian hormone (Amh), mRNA.	Mme-M200014931	ILMN_2768691	0	0
110542	Amhr2	0.010	-0.073	-0.073	0	0	0	0	0	0	NM_144547	anti-Mullerian hormone type 2 receptor (Amhr2), mRNA.	Mme-M300003652	ILMN_2684178	0	0
270152	Amica1	0.277	0.395	0.117	0	0	0	0	0	0	NM_001005421	adhesion molecule, interacts with CXADR antigen 1 (Amica1), mRNA.	Mme-M400003439	ILMN_1231204	0	0
229715	Amigo1	-0.172	0.214	-0.165	0	0	0	0	0	0	NM_001004293	adhesion molecule with Ig like domain 1 (Amigo1), mRNA.	Mme-M200009677	ILMN_1214975	0	0
105827	Amigo2	-0.073	-0.176	0.189	0	0	0	0	0	0	NM_178114	adhesion molecule with Ig like domain 2 (Amigo2), mRNA.	Mme-M300019034	ILMN_2678355	0	0
320844	Amigo3	-0.177	-0.077	-0.098	0	0	0	0	0	0	NM_177275	adhesion molecule with Ig like domain 3 (Amigo3), mRNA.	Mme-M400012400	ILMN_2650266	0	0
225339	Ammecr1l	-0.142	0.049	-0.225	0	0	0	0	0	0	NM_153515	AMME chromosomal region gene 1-like (Ammecr1l), mRNA.	Mme-M400002565	ILMN_1229706	0	0
93835	Amn	-0.252	0.190	-0.037	0	0	0	0	0	0	NM_033603	amnionless (Amn), mRNA.	Mme-M200012838	ILMN_2675289	0	0
27494	Amot	0.266	0.126	-0.033	0	0	0	0	0	0	NM_153319	angiomotin (Amot), mRNA.	Mme-M300013301	ILMN_1220506	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
75723	Amotl1	0.268	-0.106	-0.109	0	0	0	0	0	0	NM_001081395	angiomotin-like 1 (Amotl1), mRNA.	Mme-M400013195	ILMN_1253634	0	0
56332	Amotl2	0.100	0.108	0.009	0	0	0	0	0	0	NM_019764	angiomotin like 2 (Amotl2), mRNA.	Mme-M200004067	ILMN_2774049	0	0
229665	Ampd1	0.651	0.279	-0.239	0	0	0	0	0	0	NM_001033303	adenosine monophosphate deaminase 1 (isoform M) (Ampd1), mRNA.	Mme-M400000109	ILMN_1237871	0	0
109674	Ampd2	0.223	0.205	0.019	0	0	0	0	0	0	NM_028779	adenosine monophosphate deaminase 2 (isoform L) (Ampd2), mRNA.	Mme-M200007650	ILMN_2701534	0	0
11717	Ampd3	-0.353	-0.104	0.182	0	0	0	0	0	0	NM_009667	AMP deaminase 3 (Ampd3), mRNA.	Mme-M300000712	ILMN_2448651	0	0
218038	Amph	-0.362	0.116	-0.090	0	0	0	0	0	0	NM_175007	amphiphysin (Amph), mRNA.	Mme-M300002695	ILMN_2842843	0	0
434437	Amt	0.048	-0.196	0.002	0	0	0	0	0	0	NM_001013814	aminomethyltransferase (Amt), mRNA.	Mme-M300008344	ILMN_3160992	0	0
71421	Amtn	-0.616	0.049	-0.092	0	0	0	0	0	0	XM_284166	PREDICTED: amelotin (Amtn), mRNA.	Mme-M200015536	ILMN_2761755	0	0
11722	Amy1	0.133	-0.150	0.150	0	0	0	0	0	0	NM_001110505	amylase 1, salivary (Amy1), transcript variant 2, mRNA.	Mme-M300005885	ILMN_3000818	0	0
231842	Amz1	-0.045	0.095	-0.032	0	0	0	0	0	0	NM_173405	archaelysin family metallopeptidase 1 (Amz1), mRNA.	Mme-M300020729	ILMN_2756474	0	0
13929	Amz2	-0.056	0.293	-0.172	0	0	0	0	0	0	NM_025275	archaelysin family metallopeptidase 2 (Amz2), mRNA.	Mme-M200006537	ILMN_2464898	0	0
68999	Anapc10	0.302	-0.069	-0.114	0	0	0	0	0	0	NM_026904	anaphase promoting complex subunit 10 (Anapc10), mRNA.	Mme-M200003680	ILMN_2740929	0	0
66156	Anapc11	-0.012	-0.154	-0.027	0	0	0	0	0	0	NM_025389	anaphase promoting complex subunit 11 homolog (yeast) (Anapc11), transcript variant 2, mRNA.	Mme-M200004182	ILMN_3099265	0	0
69010	Anapc13	0.016	0.000	-0.027	0	0	0	0	0	0	NM_181394	anaphase promoting complex subunit 13 (Anapc13), mRNA.	Mme-M300009670	ILMN_2796089	0	0
75430	Anapc15	-0.095	-0.033	-0.048	0	0	0	0	0	0	NM_027532	RIKEN cDNA 3200002M19 gene (3200002M19Rik), mRNA.	Mme-M400009518	ILMN_2894960	0	0
52717	Anapc16	0.124	-0.044	0.105	0	0	0	0	0	0	NM_025514	DNA segment, Chr 10, ERATO Doi 641, expressed (D10Ertd641e), mRNA.	Mme-M200004220	ILMN_1219088	0	0
99152	Anapc2	0.072	-0.047	-0.164	0	0	0	0	0	0	NM_175300	anaphase promoting complex subunit 2 (Anapc2), mRNA.	Mme-M300005405	ILMN_2901312	0	0
52206	Anapc4	0.009	0.031	0.122	0	0	0	0	0	0	NM_024213	anaphase promoting complex subunit 4 (Anapc4), mRNA.	Mme-M200005436	ILMN_2859778	0	0
59008	Anapc5	0.316	-0.112	-0.235	0	0	0	0	0	0	NM_001042491	anaphase-promoting complex subunit 5 (Anapc5), transcript variant 2, mRNA.	Mme-M300006695	ILMN_2738536	0	0
56317	Anapc7	0.098	-0.107	-0.118	0	0	0	0	0	0	NM_019805	anaphase promoting complex subunit 7 (Anapc7), mRNA.	Mme-M200003687	ILMN_2870688	0	0
11727	Ang	-0.309	0.071	-0.067	0	0	0	0	0	0	NM_007447	angiogenin, ribonuclease, RNase A family, 5 (Ang), mRNA.	Mme-M400005174	ILMN_2875251	0	0
11731	Ang2	-0.498	-0.082	-0.028	0	0	0	0	0	0	NM_007449	angiogenin, ribonuclease A family, member 2 (Ang2), mRNA.	Mme-M400003357	ILMN_2776242	0	0
68737	Angel1	-0.112	-0.156	-0.101	0	0	0	0	0	0	NM_144524	angel homolog 1 (Drosophila) (Angel1), mRNA.	Mme-M300002649	ILMN_2598438	0	0
52477	Angel2	0.228	0.129	0.043	0	0	0	0	0	0	NM_021421	angel homolog 2 (Drosophila) (Angel2), mRNA.	Mme-M300005218	ILMN_3160697	0	0
11600	Angpt1	0.124	0.094	0.086	0	0	0	0	0	0	NM_009640	angiopoietin 1 (Angpt1), mRNA.	Mme-M300003197	ILMN_2606451	0	0
11601	Angpt2	0.054	-0.169	0.072	0	0	0	0	0	0	NM_007426	angiopoietin 2 (Angpt2), mRNA.	Mme-M400010722	ILMN_2642165	0	0
11602	Angpt4	0.008	-0.028	-0.018	0	0	0	0	0	0	NM_009641	angiopoietin 4 (Angpt4), mRNA.	Mme-M200016040	ILMN_2745027	0	0
72713	Angptl1	-0.112	0.095	-0.023	0	0	0	0	0	0	NM_028333	angiopoietin-like 1 (Angptl1), mRNA.	Mme-M300005190	ILMN_2874422	0	0
26360	Angptl2	0.022	0.318	-0.155	0	0	0	0	0	0	NM_011923	angiopoietin-like 2 (Angptl2), mRNA.	Mme-M200012927	ILMN_1254653	0	0
30924	Angptl3	-0.036	-0.024	-0.046	0	0	0	0	0	0	NM_013913	angiopoietin-like 3 (Angptl3), mRNA.	Mme-M300006155	ILMN_2708190	0	0
57875	Angptl4	-0.155	0.335	-0.017	0	0	0	0	0	0	NM_020581	angiopoietin-like 4 (Angptl4), mRNA.	Mme-M400011370	ILMN_2759365	0	0
70726	Angptl6	0.228	-0.202	-0.110	0	0	0	0	0	0	NM_145154	angiopoietin-like 6 (Angptl6), mRNA.	Mme-M400002186	ILMN_2643534	0	0
654812	Angptl7	0.117	-0.444	-0.191	0	-1	0	0	0	0	NM_001039554	angiopoietin-like 7 (Angptl7), mRNA.	Mme-M300006414	ILMN_2844819	0	0
11732	Ank	-0.062	-0.030	-0.092	0	0	0	0	0	0	NM_020332	progressive ankylosis (Ank), mRNA.	Mme-M200009407	ILMN_1232621	0	0
11733	Ank1	-0.071	0.242	0.272	0	0	0	0	0	0	NM_031158	ankyrin 1, erythroid (Ank1), transcript variant 2, mRNA.	Mme-M300007770	ILMN_1236869	0	0
109676	Ank2	-0.417	0.149	-0.168	0	0	0	0	0	0	NM_001034168	ankyrin 2, brain (Ank2), transcript variant 3, mRNA.	Mme-M300008463	ILMN_3158444	0	0
11735	Ank3	-0.076	-0.121	-0.188	0	0	0	0	0	0	NM_170730	ankyrin 3, epithelial (Ank3), transcript variant 9, mRNA.	Mme-M400012210	ILMN_2484322	0	0
319695	Ankar	0.079	-0.037	-0.047	0	0	0	0	0	0	NM_176980	ankyrin and armadillo repeat containing (Ankar), mRNA.	Mme-M300012107	ILMN_2974016	0	0
271144	Ankdd1b	-0.075	0.043	-0.052	0	0	0	0	0	0	NM_001042714	RIKEN cDNA 9330128J19 gene (9330128J19Rik), mRNA.	Mme-M300017980	ILMN_1250314	0	0
382543	Ankfn1	0.110	-0.077	-0.081	0	0	0	0	0	0	NM_001080933	ankyrin-repeat and fibronectin type III domain containing 1 (Ankfn1), mRNA.	Mme-M400003342	ILMN_3127224	0	0
11736	Ankfy1	0.136	0.153	-0.037	0	0	0	0	0	0	NM_009671	ankyrin repeat and FYVE domain containing 1 (Ankfy1), mRNA.	Mme-M300002390	ILMN_2771712	0	0
108857	Ankhd1	0.221	-0.317	0.712	0	0	1	0	0	1	NM_175375	ankyrin repeat and KH domain containing 1 (Ankhd1), mRNA.	Mme-M300004164	ILMN_1239042	1	0
70797	Ankib1	-0.117	-0.051	-0.031	0	0	0	0	0	0	NM_001003909	ankyrin repeat and IBR domain containing 1 (Ankib1), mRNA.	Mme-M300012614	ILMN_2693286	0	0
244859	Ankk1	-0.651	-0.038	0.009	0	0	0	0	0	0	NM_172922	ankyrin repeat and kinase domain containing 1 (Ankk1), mRNA.	Mme-M300008153	ILMN_1221654	0	0
71782	Ankle2	0.025	-0.092	-0.072	0	0	0	0	0	0	NM_027922	ankyrin repeat and LEM domain containing 2 (Ankle2), mRNA.	Mme-M200008517	ILMN_2916686	0	0
241158	Ankmy1	-0.158	-0.134	-0.041	0	0	0	0	0	0	NM_172850	ankyrin repeat and MYND domain containing 1 (Ankmy1), mRNA.	Mme-M300009219	ILMN_2889465	0	0
217473	Ankmy2	-0.007	-0.069	0.106	0	0	0	0	0	0	NM_178910	ankyrin repeat and MYND domain containing 2 (Ankmy2), transcript variant 2, mRNA.	Mme-M200009021	ILMN_2599514	0	0
68558	Ankra2	-0.327	0.080	0.040	0	0	0	0	0	0	NM_023472	ankyrin repeat, family A (RFXANK-like), 2 (Ankra2), mRNA.	Mme-M200005470	ILMN_2543304	0	0
107765	Ankrd1	0.128	0.081	-0.046	0	0	0	0	0	0	NM_013468	ankyrin repeat domain 1 (cardiac muscle) (Ankrd1), mRNA.	Mme-M300004333	ILMN_2625451	0	0
102334	Ankrd10	-0.116	-0.151	0.121	0	0	0	0	0	0	NM_133971	ankyrin repeat domain 10 (Ankrd10), mRNA.	Mme-M200003095	ILMN_2624749	0	0
77087	Ankrd11	0.195	-0.263	-0.193	0	0	0	0	0	0	NM_001081379	ankyrin repeat domain 11 (Ankrd11), mRNA.	Mme-M400008514	ILMN_2727235	0	0
106585	Ankrd12	-0.057	-0.602	0.313	0	-1	1	0	-1	0	NM_001025572	ankyrin repeat domain 12 (Ankrd12), mRNA.	Mme-M300009458	ILMN_3151492	0	1
68420	Ankrd13a	0.291	0.059	-0.020	0	0	0	0	0	0	NM_026718	ankyrin repeat domain 13a (Ankrd13a), mRNA.	Mme-M300013400	ILMN_2613696	0	0
268445	Ankrd13b	-0.070	0.037	0.028	0	0	0	0	0	0	NM_172945	ankyrin repeat domain 13b (Ankrd13b), mRNA.	Mme-M300011214	ILMN_1247053	0	0
433667	Ankrd13c	-0.107	0.013	-0.025	0	0	0	0	0	0	NM_001013806	ankyrin repeat domain 13c (Ankrd13c), mRNA.	Mme-M300012471	ILMN_3163490	0	0
68423	Ankrd13d	-0.186	-0.018	-0.015	0	0	0	0	0	0	NM_026720	ankyrin repeat domain 13 family, member D (Ankrd13d), mRNA.	Mme-M200004658	ILMN_2851735	0	0
81702	Ankrd17	-0.037	-0.164	0.119	0	0	0	0	0	0	NM_198010	ankyrin repeat domain 17 (Ankrd17), transcript variant 2, mRNA.	Mme-M400005085	ILMN_2675464	0	0
56642	Ankrd2	-0.041	-0.065	-0.090	0	0	0	0	0	0	NM_020033	ankyrin repeat domain 2 (stretch responsive muscle) (Ankrd2), mRNA.	Mme-M200009450	ILMN_2806065	0	0
52024	Ankrd22	0.027	-0.173	-0.032	0	0	0	0	0	0	NM_024204	ankyrin repeat domain 22 (Ankrd22), mRNA.	Mme-M300004316	ILMN_2965414	0	0
78321	Ankrd23	0.170	0.353	-0.163	0	0	0	0	0	0	NM_153502	ankyrin repeat domain 23 (Ankrd23), mRNA.	Mme-M300000158	ILMN_2741117	0	0
70615	Ankrd24	0.112	-0.112	-0.155	0	0	0	0	0	0	NM_027480	ankyrin repeat domain 24 (Ankrd24), mRNA.	Mme-M300001132	ILMN_1252105	0	0
232339	Ankrd26	-0.324	-0.105	0.143	0	0	0	0	0	0	NM_001081112	ankyrin repeat domain 26 (Ankrd26), mRNA.	Mme-M400002572	ILMN_2698553	0	0
245886	Ankrd27	0.038	-0.082	0.129	0	0	0	0	0	0	NM_178263	ankyrin repeat domain 27 (VPS9 domain) (Ankrd27), transcript variant 2, mRNA.	Mme-M400012468	ILMN_2642645	0	0
105522	Ankrd28	-0.022	-0.028	0.083	0	0	0	0	0	0	NM_001024604	ankyrin repeat domain 28 (Ankrd28), mRNA.	Mme-M300001303	ILMN_1217556	0	0
225187	Ankrd29	-0.108	0.042	-0.005	0	0	0	0	0	0	XM_129028	PREDICTED: ankyrin repeat domain 29 (Ankrd29), mRNA.	Mme-M300012324	ILMN_2662106	0	0
105377	Ankrd32	0.194	0.040	0.005	0	0	0	0	0	0	NM_134071	ankyrin repeat domain 32 (Ankrd32), mRNA.	Mme-M200007511	ILMN_2688797	0	0
208258	Ankrd33	0.066	-0.280	-0.130	0	0	0	0	0	0	NM_144790	ankyrin repeat domain 33 (Ankrd33), mRNA.	Mme-M400003241	ILMN_2938258	0	0
545554	Ankrd34a	0.096	0.098	-0.097	0	0	0	0	0	0	NM_001024851	ankyrin repeat domain 34A (Ankrd34a), mRNA.	Mme-M300019862	ILMN_3020599	0	0
218440	Ankrd34b	-0.295	0.170	0.059	0	0	0	0	0	0	NM_175455	ankyrin repeat domain 34B (Ankrd34b), mRNA.	Mme-M300016011	ILMN_2774546	0	0
330998	Ankrd34c	-0.233	0.063	-0.042	0	0	0	0	0	0	NM_207260	ankyrin repeat domain 34C (Ankrd34c), mRNA.	Mme-M300018450	ILMN_2822888	0	0
213121	Ankrd35	-0.023	-0.042	0.070	0	0	0	0	0	0	NM_001081139	ankyrin repeat domain 35 (Ankrd35), mRNA.	Mme-M300011515	ILMN_3157692	0	0
76389	Ankrd36	-0.177	0.045	0.030	0	0	0	0	0	0	NM_023816	ankyrin repeat domain 36 (Ankrd36), mRNA.	Mme-M200010451	ILMN_1236644	0	0
654824	Ankrd37	0.280	0.065	0.005	0	0	0	0	0	0	NM_001039562	ankyrin repeat domain 37 (Ankrd37), mRNA.	Mme-M300021573	ILMN_2595857	0	0
109346	Ankrd39	-0.111	0.175	-0.046	0	0	0	0	0	0	NM_026241	ankyrin repeat domain 39 (Ankrd39), mRNA.	Mme-M200016145	ILMN_1253761	0	0
71452	Ankrd40	-0.082	-0.146	-0.174	0	0	0	0	0	0	NM_027799	ankyrin repeat domain 40 (Ankrd40), transcript variant 1, mRNA.	Mme-M400012956	ILMN_2681592	0	0
329154	Ankrd44	0.419	0.006	0.001	0	0	0	0	0	0	NM_001081433	ankyrin repeat domain 44 (Ankrd44), mRNA.	Mme-M300011551	ILMN_2430469	0	0
68839	Ankrd46	-0.015	0.088	-0.022	0	0	0	0	0	0	NM_175134	ankyrin repeat domain 46 (Ankrd46), mRNA.	Mme-M200003370	ILMN_1222794	0	0
56503	Ankrd49	0.126	0.011	0.174	0	0	0	0	0	0	NM_019683	ankyrin repeat domain 49 (Ankrd49), mRNA.	Mme-M300007981	ILMN_2592358	0	0
99696	Ankrd50	-0.257	-0.045	-0.162	0	0	0	0	0	0	NM_001033198	ankrin repeat domain 50 (Ankrd50), mRNA.	Mme-M400010285	ILMN_3160568	0	0
75305	Ankrd53	-0.168	0.036	-0.047	0	0	0	0	0	0	NM_029245	ankyrin repeat domain 53 (Ankrd53), mRNA.	Mme-M300001323	ILMN_2754746	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
223690	Ankrd54	-0.081	-0.244	0.079	0	0	0	0	0	0	NM_144849	ankyrin repeat domain 54 (Ankrd54), mRNA.	Mme-M200004849	ILMN_2722184	0	0
77318	Ankrd55	-0.453	-0.014	0.059	0	0	0	0	0	0	NM_029898	ankyrin repeat domain 55 (Ankrd55), mRNA.	Mme-M300020696	ILMN_2733230	0	0
140577	Ankrd6	-0.516	0.150	-0.208	0	0	0	0	0	0	NM_001012451	ankyrin repeat domain 6 (Ankrd6), transcript variant 3, mRNA.	Mme-M300012553	ILMN_2630789	0	0
70065	Ankrd60	-0.260	0.060	0.039	0	0	0	0	0	0	XM_913826	PREDICTED: RIKEN cDNA 1700030G11 gene (1700030G11Rik), mRNA.	Mme-M300005675	ILMN_2610714	0	0
66729	Ankrd61	0.041	-0.020	0.105	0	0	0	0	0	0	NM_025732	RIKEN cDNA 4921520G13 gene (4921520G13Rik), mRNA.	Mme-M200009990	ILMN_1218097	0	0
242805	Ankrd65	-0.631	-0.014	-0.028	0	0	0	0	0	0	XM_144122	PREDICTED: RIKEN cDNA E230028L10 gene (E230028L10Rik), mRNA.	Mme-M400004031	ILMN_2529693	0	0
75196	Ankrd7	-0.067	-0.069	0.034	0	0	0	0	0	0	NM_029202	ankyrin repeat domain 7 (Ankrd7), mRNA.	Mme-M300006720	ILMN_2838382	0	0
74251	Ankrd9	0.119	-0.033	0.027	0	0	0	0	0	0	NM_175207	ankyrin repeat domain 9 (Ankrd9), mRNA.	Mme-M300011211	ILMN_2665496	0	0
224650	Anks1	-0.248	0.083	0.012	0	0	0	0	0	0	NM_181413	ankyrin repeat and SAM domain containing 1 (Anks1), mRNA.	Mme-M200007236	ILMN_1220446	0	0
72615	Anks3	-0.092	-0.125	-0.083	0	0	0	0	0	0	NM_028301	ankyrin repeat and sterile alpha motif domain containing 3 (Anks3), mRNA.	Mme-M200006434	ILMN_2735877	0	0
75691	Anks6	-0.581	0.047	0.160	0	0	0	0	0	0	NM_001024136	ankyrin repeat and sterile alpha motif domain containing 6 (Anks6), mRNA.	Mme-M400014438	ILMN_2612904	0	0
52231	Ankzf1	-0.167	-0.122	0.062	0	0	0	0	0	0	NM_026187	ankyrin repeat and zinc finger domain containing 1 (Ankzf1), mRNA.	Mme-M200004571	ILMN_1259463	0	0
68743	Anln	0.081	-0.170	0.082	0	0	0	0	0	0	NM_028390	anillin, actin binding protein (scraps homolog, Drosophila) (Anln), mRNA.	Mme-M300010530	ILMN_2763217	0	0
101772	Ano1	-0.197	-0.013	0.218	0	0	0	0	0	0	NM_178642	transmembrane protein 16A (Tmem16a), mRNA.	Mme-M300007550	ILMN_2645341	0	0
102566	Ano10	0.073	-0.053	-0.024	0	0	0	0	0	0	NM_133979	transmembrane protein 16K (Tmem16k), mRNA.	Mme-M200015897	ILMN_1223335	0	0
243634	Ano2	0.022	-0.296	-0.024	0	0	0	0	0	0	NM_153589	transmembrane protein 16B (Tmem16b), mRNA.	Mme-M300011351	ILMN_2802590	0	0
320091	Ano4	-0.019	-0.096	-0.054	0	0	0	0	0	0	NM_178773	transmembrane protein 16D (eight membrane-spanning domains) (Tmem16d), mRNA.	Mme-M300016283	ILMN_2973779	0	0
233246	Ano5	-0.486	0.009	-0.017	0	0	0	0	0	0	NM_177694	transmembrane protein 16E (Tmem16e), mRNA.	Mme-M400005200	ILMN_1219128	0	0
105722	Ano6	0.139	-0.061	-0.099	0	0	0	0	0	0	NM_175344	transmembrane protein 16F (Tmem16f), mRNA.	Mme-M300008675	ILMN_1228336	0	0
404545	Ano7	-0.017	0.011	-0.041	0	0	0	0	0	0	NM_207031	transmembrane protein 16g (Tmem16g), mRNA.	Mme-M300009144	ILMN_2914519	0	0
71345	Ano9	-0.040	-0.003	0.031	0	0	0	0	0	0	NM_178381	transmembrane protein 16J (Tmem16j), mRNA.	Mme-M200007950	ILMN_1242413	0	0
11737	Anp32a	0.301	0.236	0.255	0	0	0	0	0	0	NM_009672	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A (Anp32a), mRNA.	Mme-M300008150	ILMN_1230271	0	0
67628	Anp32b	-0.081	-0.109	-0.034	0	0	0	0	0	0	NM_130889	acidic nuclear phosphoprotein 32 family, member B (Anp32b), mRNA.	Mme-M300006049	ILMN_1228608	0	0
66471	Anp32e	0.167	-0.035	0.090	0	0	0	0	0	0	NM_023210	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E (Anp32e), mRNA.	Mme-M200013498	ILMN_2723788	0	0
16790	Anpep	-0.004	0.079	0.063	0	0	0	0	0	0	NM_008486	alanyl (membrane) aminopeptidase (Anpep), mRNA.	Mme-M200001769	ILMN_2589651	0	0
69538	Antxr1	0.299	0.066	0.049	0	0	0	0	0	0	NM_054041	anthrax toxin receptor 1 (Antxr1), mRNA.	Mme-M200006574	ILMN_1226183	0	0
71914	Antxr2	-0.076	0.138	0.141	0	0	0	0	0	0	NM_133738	anthrax toxin receptor 2 (Antxr2), mRNA.	Mme-M200005014	ILMN_1214412	0	0
239029	Antxrl	-0.090	-0.039	0.011	0	0	0	0	0	0	NM_172808	anthrax toxin receptor-like (Antxrl), mRNA.	Mme-M300018284	ILMN_2600236	0	0
16952	Anxa1	0.484	0.009	0.026	0	0	0	0	0	0	NM_010730	annexin A1 (Anxa1), mRNA.	Mme-M200003353	ILMN_1259252	0	0
26359	Anxa10	-0.064	-0.025	0.028	0	0	0	0	0	0	NM_011922	annexin A10 (Anxa10), mRNA.	Mme-M200013908	ILMN_2654364	0	0
11744	Anxa11	0.218	0.214	0.028	0	0	0	0	0	0	NM_013469	annexin A11 (Anxa11), mRNA.	Mme-M200000584	ILMN_2666669	0	0
69787	Anxa13	-0.275	-0.121	0.001	0	0	0	0	0	0	NM_027211	annexin A13 (Anxa13), mRNA.	Mme-M400005055	ILMN_1234773	0	0
12306	Anxa2	-0.130	-0.042	0.060	0	0	0	0	0	0	NM_007585	annexin A2 (Anxa2), mRNA.	Mme-M200000205	ILMN_2657175	0	0
11745	Anxa3	0.349	-0.176	0.125	0	0	0	0	0	0	NM_013470	annexin A3 (Anxa3), mRNA.	Mme-M200002500	ILMN_1241171	0	0
11746	Anxa4	0.185	0.103	0.196	0	0	0	0	0	0	NM_013471	annexin A4 (Anxa4), mRNA.	Mme-M300006955	ILMN_2772410	0	0
11747	Anxa5	-0.126	-0.037	-0.006	0	0	0	0	0	0	NM_009673	annexin A5 (Anxa5), mRNA.	Mme-M200000653	ILMN_2680142	0	0
11749	Anxa6	0.014	0.094	-0.061	0	0	0	0	0	0	NM_001110211	annexin A6 (Anxa6), transcript variant 2, mRNA.	Mme-M300001658	ILMN_2878060	0	0
11750	Anxa7	-0.118	0.000	-0.121	0	0	0	0	0	0	NM_001110794	annexin A7 (Anxa7), transcript variant 2, mRNA.	Mme-M200003936	ILMN_2617956	0	0
11752	Anxa8	0.161	-0.428	-0.069	0	-1	0	0	0	0	NM_013473	annexin A8 (Anxa8), mRNA.	Mme-M200001262	ILMN_2724558	0	0
71790	Anxa9	-0.060	0.142	0.100	0	0	0	0	0	0	NM_023628	annexin A9 (Anxa9), transcript variant 2, mRNA.	Mme-M200014501	ILMN_2715226	0	0
27052	Aoah	0.103	0.332	0.238	0	0	0	0	0	0	NM_012054	acyloxyacyl hydrolase (Aoah), mRNA.	Mme-M200002320	ILMN_2962737	0	0
76507	Aoc1	0.119	-0.052	-0.136	0	0	0	0	0	0	NM_029638	amiloride binding protein 1 (amine oxidase, copper-containing) (Abp1), mRNA.	Mme-M200002496	ILMN_2601519	0	0
237940	Aoc2	-0.593	0.105	0.093	0	0	0	0	0	0	NM_178932	amine oxidase, copper containing 2 (retina-specific) (Aoc2), mRNA.	Mme-M300009675	ILMN_2913069	0	0
11754	Aoc3	-0.333	-0.395	0.037	0	0	0	0	0	0	NM_009675	amine oxidase, copper containing 3 (Aoc3), mRNA.	Mme-M200002985	ILMN_2625920	0	0
11761	Aox1	0.171	-0.023	-0.253	0	0	0	0	0	0	NM_009676	aldehyde oxidase 1 (Aox1), mRNA.	Mme-M200005350	ILMN_2679131	0	0
213043	Aox2	-0.021	-0.746	-0.059	0	-1	0	0	-1	0	NM_001008419	aldehyde oxidase 3-like 1 (Aox3l1), mRNA.	Mme-M400006543	ILMN_3162470	0	1
71724	Aox3	0.125	-0.615	-0.106	0	-1	0	0	-1	0	NM_023617	aldehyde oxidase 3 (Aox3), mRNA.	Mme-M200003810	ILMN_2640097	0	1
71872	Aox4	0.103	-0.163	-0.011	0	0	0	0	0	0	NM_023631	aldehyde oxidase 4 (Aox4), mRNA.	Mme-M200004533	ILMN_2751837	0	0
211556	Ap1ar	-0.020	-0.032	-0.114	0	0	0	0	0	0	NM_145964	cDNA sequence BC002199 (BC002199), mRNA.	Mme-M400003304	ILMN_1221467	0	0
11764	Ap1b1	-0.192	-0.053	-0.133	0	0	0	0	0	0	NM_007454	adaptor protein complex AP-1, beta 1 subunit (Ap1b1), mRNA.	Mme-M200006605	ILMN_1244906	0	0
11765	Ap1g1	-0.103	-0.090	0.004	0	0	0	0	0	0	NM_009677	adaptor protein complex AP-1, gamma 1 subunit (Ap1g1), mRNA.	Mme-M200007915	ILMN_2745354	0	0
11766	Ap1g2	0.073	0.155	0.103	0	0	0	0	0	0	NM_001110795	adaptor protein complex AP-1, gamma 2 subunit (Ap1g2), transcript variant 2, mRNA.	Mme-M400002429	ILMN_1246903	0	0
11767	Ap1m1	-0.032	0.152	-0.036	0	0	0	0	0	0	NM_007456	adaptor-related protein complex AP-1, mu subunit 1 (Ap1m1), mRNA.	Mme-M200000848	ILMN_2770926	0	0
11768	Ap1m2	0.305	-0.243	-0.279	0	0	0	0	0	0	NM_009678	adaptor protein complex AP-1, mu 2 subunit (Ap1m2), transcript variant 2, mRNA.	Mme-M200004331	ILMN_2925872	0	0
11769	Ap1s1	0.232	0.163	-0.359	0	0	-1	0	0	0	NM_007457	adaptor protein complex AP-1, sigma 1 (Ap1s1), mRNA.	Mme-M400010727	ILMN_2748777	0	0
108012	Ap1s2	0.091	0.077	-0.107	0	0	0	0	0	0	NM_026887	adaptor-related protein complex 1, sigma 2 subunit (Ap1s2), mRNA.	Mme-M400009750	ILMN_2713173	0	0
252903	Ap1s3	0.101	-0.089	-0.029	0	0	0	0	0	0	NM_183027	adaptor-related protein complex AP-1, sigma 3 (Ap1s3), mRNA.	Mme-M400004912	ILMN_2611472	0	0
11771	Ap2a1	0.062	0.090	0.038	0	0	0	0	0	0	NM_001077264	adaptor protein complex AP-2, alpha 1 subunit (Ap2a1), transcript variant 2, mRNA.	Mme-M200002446	ILMN_3143246	0	0
11772	Ap2a2	0.041	0.181	-0.118	0	0	0	0	0	0	NM_007459	adaptor protein complex AP-2, alpha 2 subunit (Ap2a2), mRNA.	Mme-M200003324	ILMN_1237891	0	0
71770	Ap2b1	-0.065	0.109	0.149	0	0	0	0	0	0	NM_027915	adaptor-related protein complex 2, beta 1 subunit (Ap2b1), transcript variant 2, mRNA.	Mme-M200008156	ILMN_1252951	0	0
11773	Ap2m1	0.082	-0.103	0.008	0	0	0	0	0	0	NM_009679	adaptor protein complex AP-2, mu1 (Ap2m1), mRNA.	Mme-M200003711	ILMN_1227300	0	0
232910	Ap2s1	-0.246	0.072	-0.072	0	0	0	0	0	0	NM_198613	adaptor-related protein complex 2, sigma 1 subunit (Ap2s1), mRNA.	Mme-M300000948	ILMN_2911283	0	0
11774	Ap3b1	-0.315	0.040	0.084	0	0	0	0	0	0	NM_009680	adaptor-related protein complex 3, beta 1 subunit (Ap3b1), mRNA.	Mme-M200004078	ILMN_2610861	0	0
11775	Ap3b2	0.044	0.219	-0.202	0	0	0	0	0	0	NM_021492	adaptor-related protein complex 3, beta 2 subunit (Ap3b2), mRNA.	Mme-M200014030	ILMN_3009184	0	0
11776	Ap3d1	0.060	0.228	-0.130	0	0	0	0	0	0	NM_007460	adaptor-related protein complex 3, delta 1 subunit (Ap3d1), mRNA.	Mme-M200006017	ILMN_2953301	0	0
64933	Ap3m2	0.022	0.159	0.045	0	0	0	0	0	0	NM_029505	adaptor-related protein complex 3, mu 2 subunit (Ap3m2), transcript variant 2, mRNA.	Mme-M400011674	ILMN_2912598	0	0
11777	Ap3s1	0.193	-0.187	0.179	0	0	0	0	0	0	NM_009681	adaptor-related protein complex 3, sigma 1 subunit (Ap3s1), mRNA.	Mme-M400000747	ILMN_1236624	0	0
11778	Ap3s2	-0.234	-0.127	0.038	0	0	0	0	0	0	NM_009682	adaptor-related protein complex 3, sigma 2 subunit (Ap3s2), mRNA.	Mme-M300007289	ILMN_2922544	0	0
67489	Ap4b1	0.188	-0.033	-0.022	0	0	0	0	0	0	NM_026193	adaptor-related protein complex AP-4, beta 1 (Ap4b1), mRNA.	Mme-M200006396	ILMN_2757861	0	0
108011	Ap4e1	-0.340	-0.024	-0.042	0	0	0	0	0	0	NM_175550	adaptor-related protein complex AP-4, epsilon 1 (Ap4e1), mRNA.	Mme-M400013192	ILMN_2427317	0	0
11781	Ap4m1	0.015	-0.073	-0.104	0	0	0	0	0	0	NM_021392	adaptor-related protein complex AP-4, mu 1 (Ap4m1), mRNA.	Mme-M200008790	ILMN_2692762	0	0
11782	Ap4s1	0.172	-0.117	-0.019	0	0	0	0	0	0	NM_021710	adaptor-related protein complex AP-4, sigma 1 (Ap4s1), mRNA.	Mme-M400000431	ILMN_2805071	0	0
381201	Ap5b1	-0.086	0.129	-0.063	0	0	0	0	0	0	NM_001033448	gene model 962, (NCBI) (Gm962), mRNA.	Mme-M300020301	ILMN_2531520	0	0
74385	Ap5m1	-0.249	-0.005	-0.058	0	0	0	0	0	0	NM_144535	RIKEN cDNA 4932432K03 gene (4932432K03Rik), mRNA.	Mme-M300010316	ILMN_2756713	0	0
69596	Ap5s1	0.122	-0.063	-0.088	0	0	0	0	0	0	NM_027129	RIKEN cDNA 2310035K24 gene (2310035K24Rik), mRNA.	Mme-M400005985	ILMN_2646771	0	0
231855	Ap5z1	-0.053	-0.073	0.174	0	0	0	0	0	0	NM_172725	RIKEN cDNA C330006K01 gene (C330006K01Rik), mRNA.	Mme-M300012266	ILMN_2752206	0	0
11783	Apaf1	0.140	0.148	0.145	0	0	0	0	0	0	NM_009684	apoptotic peptidase activating factor 1 (Apaf1), transcript variant 2, mRNA.	Mme-M200003947	ILMN_3143577	0	0
319924	Apba1	-0.410	-0.062	-0.044	0	0	0	0	0	0	NM_177034	amyloid beta (A4) precursor protein binding, family A, member 1 (Apba1), mRNA.	Mme-M300004362	ILMN_1256755	0	0
11784	Apba2	0.104	0.108	-0.090	0	0	0	0	0	0	NM_007461	amyloid beta (A4) precursor protein-binding, family A, member 2 (Apba2), mRNA.	Mme-M300007281	ILMN_1244923	0	0
57267	Apba3	0.311	0.065	-0.065	0	0	0	0	0	0	NM_018758	amyloid beta (A4) precursor protein-binding, family A, member 3 (Apba3), mRNA.	Mme-M300000616	ILMN_2660110	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11785	Apbb1	0.040	0.127	-0.151	0	0	0	0	0	0	NM_009685	amyloid beta (A4) precursor protein-binding, family B, member 1 (Apbb1), mRNA.	Mme-M300010702	ILMN_2623591	0	0
54519	Apbb1ip	0.334	0.308	0.207	0	0	0	0	0	0	NM_019456	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein (Apbb1ip), mRNA.	Mme-M200003294	ILMN_2755667	0	0
11787	Apbb2	-0.038	0.008	0.007	0	0	0	0	0	0	NM_009686	amyloid beta (A4) precursor protein-binding, family B, member 2 (Apbb2), mRNA.	Mme-M200002183	ILMN_2850450	0	0
225372	Apbb3	0.097	-0.036	0.102	0	0	0	0	0	0	NM_146085	amyloid beta (A4) precursor protein-binding, family B, member 3 (Apbb3), mRNA.	Mme-M300000187	ILMN_1223271	0	0
11789	Apc	-0.305	0.038	-0.039	0	0	0	0	0	0	NM_007462	adenomatosis polyposis coli (Apc), mRNA.	Mme-M400010728	ILMN_2655204	0	0
23805	Apc2	-0.306	-0.004	0.110	0	0	0	0	0	0	NM_011789	adenomatosis polyposis coli 2 (Apc2), mRNA.	Mme-M200014993	ILMN_2820314	0	0
494504	Apcdd1	-0.097	0.087	-0.018	0	0	0	0	0	0	NM_133237	adenomatosis polyposis coli down-regulated 1 (Apcdd1), mRNA.	Mme-M300021469	ILMN_2965660	0	0
20219	Apcs	-0.211	0.000	-0.055	0	0	0	0	0	0	NM_011318	serum amyloid P-component (Apcs), mRNA.	Mme-M300005167	ILMN_2896170	0	0
235606	Apeh	-0.077	0.007	-0.007	0	0	0	0	0	0	NM_146226	acylpeptide hydrolase (Apeh), mRNA.	Mme-M300008338	ILMN_1250816	0	0
11792	Apex1	0.172	0.065	-0.068	0	0	0	0	0	0	NM_009687	apurinic/apyrimidinic endonuclease 1 (Apex1), mRNA.	Mme-M300010175	ILMN_2918114	0	0
77622	Apex2	-0.009	-0.069	-0.013	0	0	0	0	0	0	NM_029943	apurinic/apyrimidinic endonuclease 2 (Apex2), mRNA.	Mme-M300004550	ILMN_1240188	0	0
226548	Aph1a	0.014	-0.063	0.107	0	0	0	0	0	0	NM_146104	anterior pharynx defective 1a homolog (C. elegans) (Aph1a), mRNA.	Mme-M200007600	ILMN_1232821	0	0
208117	Aph1b	0.107	-0.356	0.064	0	0	0	0	0	0	NM_177583	anterior pharynx defective 1b homolog (C. elegans) (Aph1b), mRNA.	Mme-M400001457	ILMN_2588682	0	0
68318	Aph1c	0.147	-0.065	-0.119	0	0	0	0	0	0	NM_026674	anterior pharynx defective 1c homolog (C. elegans) (Aph1c), mRNA.	Mme-M400004321	ILMN_1228777	0	0
11800	Api5	0.355	0.044	0.006	0	0	0	0	0	0	NM_007466	apoptosis inhibitor 5 (Api5), mRNA.	Mme-M200000247	ILMN_2705276	0	0
56369	Apip	-0.097	-0.066	-0.115	0	0	0	0	0	0	NM_019735	APAF1 interacting protein (Apip), mRNA.	Mme-M200004996	ILMN_1244908	0	0
69928	Apitd1	-0.069	-0.020	-0.043	0	0	0	0	0	0	NM_027263	apoptosis-inducing, TAF9-like domain 1 (Apitd1), mRNA.	Mme-M200003604	ILMN_2983714	0	0
72103	Aplf	-0.009	-0.394	0.035	0	0	0	0	0	0	NM_024251	RIKEN cDNA 2010301N04 gene (2010301N04Rik), mRNA.	Mme-M200007143	ILMN_1236387	0	0
30878	Apln	-0.001	0.020	-0.054	0	0	0	0	0	0	NM_013912	apelin (Apln), mRNA.	Mme-M200006406	ILMN_2611906	0	0
23796	Aplnr	-0.267	0.236	0.017	0	0	0	0	0	0	NM_011784	angiotensin receptor-like 1 (Agtrl1), mRNA.	Mme-M300015362	ILMN_2748850	0	0
11803	Aplp1	0.387	0.453	0.035	0	1	0	0	0	0	NM_007467	amyloid beta (A4) precursor-like protein 1 (Aplp1), mRNA.	Mme-M400000137	ILMN_2696532	0	0
11804	Aplp2	-0.041	-0.108	-0.002	0	0	0	0	0	0	NM_009691	amyloid beta (A4) precursor-like protein 2 (Aplp2), transcript variant 3, mRNA.	Mme-M300008017	ILMN_1216689	0	0
71881	Apmap	-0.075	0.042	-0.280	0	0	0	0	0	0	NM_027977	RIKEN cDNA 2310001A20 gene (2310001A20Rik), mRNA.	Mme-M200005304	ILMN_2799667	0	0
11806	Apoa1	-0.018	0.039	-0.025	0	0	0	0	0	0	NM_009692	apolipoprotein A-I (Apoa1), mRNA.	Mme-M200005338	ILMN_2623393	0	0
246703	Apoa1bp	0.013	-0.108	-0.125	0	0	0	0	0	0	NM_144897	apolipoprotein A-I binding protein (Apoa1bp), mRNA.	Mme-M300005927	ILMN_2997923	0	0
11807	Apoa2	0.088	-0.065	-0.072	0	0	0	0	0	0	NM_013474	apolipoprotein A-II (Apoa2), mRNA.	Mme-M400000108	ILMN_1247156	0	0
11808	Apoa4	0.038	-0.024	0.051	0	0	0	0	0	0	NM_007468	apolipoprotein A-IV (Apoa4), mRNA.	Mme-M200001797	ILMN_2834123	0	0
66113	Apoa5	-0.143	0.011	-0.003	0	0	0	0	0	0	NM_080434	apolipoprotein A-V (Apoa5), mRNA.	Mme-M200006627	ILMN_2641301	0	0
238055	Apob	-0.424	-0.063	-0.018	0	0	0	0	0	0	NM_009693	apolipoprotein B (Apob), mRNA.	Mme-M400002042	ILMN_2710942	0	0
11811	Apobec2	1.624	-0.156	0.076	1	0	0	1	0	0	NM_009694	apolipoprotein B editing complex 2 (Apobec2), mRNA.	Mme-M200005715	ILMN_2675122	1	0
80287	Apobec3	0.225	0.261	0.166	0	0	0	0	0	0	NM_030255	apolipoprotein B editing complex 3 (Apobec3), mRNA.	Mme-M300001057	ILMN_1259368	0	0
71281	Apobec4	-0.204	0.015	-0.032	0	0	0	0	0	0	NM_001081197	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) (Apobec4), mRNA.	Mme-M400005221	ILMN_1221296	0	0
171504	Apobr	0.075	0.123	0.063	0	0	0	0	0	0	NM_138310	apolipoprotein B48 receptor (Apob48r), mRNA.	Mme-M200011667	ILMN_2888834	0	0
11812	Apoc1	0.030	-0.723	0.055	0	-1	0	0	-1	0	NM_001110009	apolipoprotein C-I (Apoc1), transcript variant 2, mRNA.	Mme-M200012091	ILMN_1228469	0	1
11813	Apoc2	0.071	-0.136	-0.070	0	0	0	0	0	0	NM_009695	apolipoprotein C-II (Apoc2), mRNA.	Mme-M300000358	ILMN_2647820	0	0
11814	Apoc3	-0.131	0.100	-0.072	0	0	0	0	0	0	NM_023114	apolipoprotein C-III (Apoc3), mRNA.	Mme-M200011876	ILMN_2651539	0	0
11425	Apoc4	-0.043	0.032	0.030	0	0	0	0	0	0	NM_007385	apolipoprotein C-IV (Apoc4), mRNA.	Mme-M400000064	ILMN_3009225	0	0
11815	Apod	-0.184	-0.015	0.027	0	0	0	0	0	0	NM_007470	apolipoprotein D (Apod), mRNA.	Mme-M200000796	ILMN_2668927	0	0
11816	Apoe	-0.058	-0.085	0.099	0	0	0	0	0	0	NM_009696	apolipoprotein E (Apoe), mRNA.	Mme-M200009241	ILMN_1216042	0	0
103161	Apof	-0.115	0.040	0.028	0	0	0	0	0	0	NM_133997	apolipoprotein F (Apof), mRNA.	Mme-M200005283	ILMN_2644185	0	0
11818	Apoh	-0.190	0.069	-0.077	0	0	0	0	0	0	NM_013475	apolipoprotein H (Apoh), mRNA.	Mme-M200000860	ILMN_1243128	0	0
245282	Apol10a	-0.176	0.105	0.064	0	0	0	0	0	0	NM_177744	apolipoprotein L 10a (Apol10a), mRNA.	Mme-M300021632	ILMN_1235401	0	0
328561	Apol10b	0.113	0.024	-0.015	0	0	0	0	0	0	NM_177820	apolipoprotein L 10b (Apol10b), mRNA.	Mme-M300020722	ILMN_2756223	0	0
75761	Apol7a	-0.526	-0.030	-0.018	0	0	0	0	0	0	NM_029419	apolipoprotein L 7a (Apol7a), mRNA.	Mme-M400000177	ILMN_1216521	0	0
278679	Apol7b	-0.349	-0.005	-0.047	0	0	0	0	0	0	NM_001024848	apolipoprotein L 7b (Apol7b), mRNA.	Mme-M400008967	ILMN_2887215	0	0
108956	Apol7c	0.114	0.010	0.099	0	0	0	0	0	0	NM_175391	apolipoprotein L 7c (Apol7c), mRNA.	Mme-M400002882	ILMN_2614563	0	0
239552	Apol8	-0.102	0.001	-0.084	0	0	0	0	0	0	XM_139463	PREDICTED: apolipoprotein L, 2 (Apol2), mRNA.	Mme-M400005583	ILMN_1260031	0	0
223672	Apol9a	-0.013	0.645	0.125	0	1	0	0	1	0	XM_911308	PREDICTED: cDNA sequence BC020489, transcript variant 3 (BC020489), mRNA.	Mme-M400005884	ILMN_2671435	1	0
71898	Apol9b	0.125	0.565	0.200	0	1	0	0	1	0	NM_173743	apolipoprotein L 9b (Apol9b), mRNA.	Mme-M400007586	ILMN_2622856	1	0
381823	Apold1	-0.049	-0.062	0.102	0	0	0	0	0	0	NM_001109914	apolipoprotein L domain containing 1 (Apold1), mRNA.	Mme-M400002829	ILMN_1222453	0	0
55938	Apom	-0.090	-0.035	0.098	0	0	0	0	0	0	NM_018816	apolipoprotein M (Apom), mRNA.	Mme-M200000822	ILMN_2916782	0	0
28194	Apon	-0.128	-0.061	0.063	0	0	0	0	0	0	NM_133996	apolipoprotein N (Apon), mRNA.	Mme-M200006852	ILMN_1214548	0	0
68117	Apool	0.051	0.044	0.009	0	0	0	0	0	0	NM_026565	apolipoprotein O-like (Apool), mRNA.	Mme-M200005424	ILMN_1227426	0	0
68020	Apopt1	0.260	-0.154	-0.167	0	0	0	0	0	0	NM_026511	RIKEN cDNA 2810002N01 gene (2810002N01Rik), mRNA.	Mme-M200015738	ILMN_1217827	0	0
11820	App	0.110	0.030	0.067	0	0	0	0	0	0	NM_007471	amyloid beta (A4) precursor protein (App), mRNA.	Mme-M400000620	ILMN_2597532	0	0
66884	Appbp2	0.354	-0.107	-0.009	0	0	0	0	0	0	NM_025825	amyloid beta precursor protein (cytoplasmic tail) binding protein 2 (Appbp2), mRNA.	Mme-M400000294	ILMN_2724868	0	0
72993	Appl1	0.167	0.043	-0.034	0	0	0	0	0	0	NM_145221	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 (Appl1), mRNA.	Mme-M200016155	ILMN_1237942	0	0
216190	Appl2	-0.075	-0.205	0.064	0	0	0	0	0	0	NM_145220	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 (Appl2), mRNA.	Mme-M200006591	ILMN_1219978	0	0
11821	Aprt	0.278	0.172	-0.188	0	0	0	0	0	0	NM_009698	adenine phosphoribosyl transferase (Aprt), mRNA.	Mme-M400010967	ILMN_2630946	0	0
66408	Aptx	0.280	-0.085	-0.065	0	0	0	0	0	0	NM_001025444	aprataxin (Aptx), transcript variant 2, mRNA.	Mme-M200014061	ILMN_2619307	0	0
11826	Aqp1	0.284	0.364	-0.156	0	0	0	0	0	0	NM_007472	aquaporin 1 (Aqp1), mRNA.	Mme-M200003650	ILMN_2980663	0	0
66333	Aqp11	-0.166	0.141	-0.172	0	0	0	0	0	0	NM_175105	aquaporin 11 (Aqp11), mRNA.	Mme-M200006637	ILMN_1225901	0	0
208760	Aqp12	0.172	-0.024	-0.026	0	0	0	0	0	0	NM_177587	aquaporin 12 (Aqp12), mRNA.	Mme-M300016068	ILMN_2871767	0	0
11827	Aqp2	-0.147	-0.158	0.048	0	0	0	0	0	0	NM_009699	aquaporin 2 (Aqp2), mRNA.	Mme-M200003832	ILMN_2794276	0	0
11828	Aqp3	-0.175	-0.608	0.009	0	-1	0	0	-1	0	NM_016689	aquaporin 3 (Aqp3), mRNA.	Mme-M300006088	ILMN_2991272	0	1
11829	Aqp4	0.025	0.171	-0.091	0	0	0	0	0	0	NM_009700	aquaporin 4 (Aqp4), mRNA.	Mme-M300004109	ILMN_2757232	0	0
11830	Aqp5	0.046	-0.196	0.065	0	0	0	0	0	0	NM_009701	aquaporin 5 (Aqp5), mRNA.	Mme-M200014288	ILMN_3115472	0	0
11831	Aqp6	-0.272	-0.027	-0.001	0	0	0	0	0	0	NM_175087	aquaporin 6 (Aqp6), mRNA.	Mme-M300014225	ILMN_2640583	0	0
11832	Aqp7	-0.138	0.260	-0.182	0	0	0	0	0	0	NM_007473	aquaporin 7 (Aqp7), mRNA.	Mme-M200002738	ILMN_1254953	0	0
11833	Aqp8	-0.695	-1.390	0.059	-1	-1	0	0	-1	0	NM_001109045	aquaporin 8 (Aqp8), transcript variant 2, mRNA.	Mme-M200002841	ILMN_2756379	0	1
64008	Aqp9	-0.131	0.212	0.118	0	0	0	0	0	0	NM_022026	aquaporin 9 (Aqp9), mRNA.	Mme-M200004397	ILMN_1214634	0	0
11834	Aqr	-0.088	-0.255	0.020	0	0	0	0	0	0	NM_009702	aquarius (Aqr), mRNA.	Mme-M300012633	ILMN_2676056	0	0
11835	Ar	0.006	-0.064	0.021	0	0	0	0	0	0	NM_013476	androgen receptor (Ar), mRNA.	Mme-M300017425	ILMN_2684075	0	0
11836	Araf	0.202	-0.148	-0.077	0	0	0	0	0	0	NM_009703	v-raf murine sarcoma 3611 viral oncogene homolog (Araf), mRNA.	Mme-M300000152	ILMN_2914271	0	0
106952	Arap3	-0.289	-0.082	0.171	0	0	0	0	0	0	NM_139206	centaurin, delta 3 (Centd3), mRNA.	Mme-M400000744	ILMN_1243107	0	0
11838	Arc	0.250	0.392	0.034	0	0	0	0	0	0	NM_018790	activity regulated cytoskeletal-associated protein (Arc), mRNA.	Mme-M200005121	ILMN_2597827	0	0
11839	Areg	0.061	0.145	-0.013	0	0	0	0	0	0	NM_009704	amphiregulin (Areg), mRNA.	Mme-M200002659	ILMN_1238547	0	0
68497	Arel1	-0.189	-0.024	0.091	0	0	0	0	0	0	NM_178065	RIKEN cDNA 1110018G07 gene (1110018G07Rik), mRNA.	Mme-M200004898	ILMN_2661005	0	0
11840	Arf1	0.264	0.018	-0.113	0	0	0	0	0	0	NM_007476	ADP-ribosylation factor 1 (Arf1), mRNA.	Mme-M400003377	ILMN_3160792	0	0
11841	Arf2	0.145	-0.021	0.039	0	0	0	0	0	0	NM_007477	ADP-ribosylation factor 2 (Arf2), mRNA.	Mme-M300002335	ILMN_1214810	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11842	Arf3	0.187	0.448	0.008	0	1	0	0	0	0	NM_007478	ADP-ribosylation factor 3 (Arf3), mRNA.	Mme-M200006951	ILMN_1252195	0	0
11843	Arf4	0.371	0.003	-0.064	0	0	0	0	0	0	NM_007479	ADP-ribosylation factor 4 (Arf4), mRNA.	Mme-M200000609	ILMN_2599834	0	0
11844	Arf5	0.178	-0.196	0.043	0	0	0	0	0	0	NM_007480	ADP-ribosylation factor 5 (Arf5), mRNA.	Mme-M400000390	ILMN_2677712	0	0
11845	Arf6	0.025	-0.064	0.192	0	0	0	0	0	0	NM_007481	ADP-ribosylation factor 6 (Arf6), mRNA.	Mme-M200012686	ILMN_2763103	0	0
228998	Arfgap1	0.259	0.243	-0.237	0	0	0	0	0	0	NM_145760	ADP-ribosylation factor GTPase activating protein 1 (Arfgap1), mRNA.	Mme-M300005704	ILMN_2700126	0	0
77038	Arfgap2	0.182	0.166	0.081	0	0	0	0	0	0	NM_023854	ADP-ribosylation factor GTPase activating protein 2 (Arfgap2), mRNA.	Mme-M200013999	ILMN_1241481	0	0
66251	Arfgap3	0.006	0.158	0.048	0	0	0	0	0	0	NM_025445	ADP-ribosylation factor GTPase activating protein 3 (Arfgap3), mRNA.	Mme-M300001532	ILMN_2648618	0	0
211673	Arfgef1	0.097	-0.153	-0.185	0	0	0	0	0	0	NM_001102430	ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin A-inhibited) (Arfgef1), mRNA.	Mme-M300021393	ILMN_2687111	0	0
99371	Arfgef2	-0.225	-0.265	0.033	0	0	0	0	0	0	NM_001085495	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited) (Arfgef2), mRNA.	Mme-M300005752	ILMN_1230252	0	0
99889	Arfip1	0.158	0.002	0.026	0	0	0	0	0	0	NM_001081093	ADP-ribosylation factor interacting protein 1 (Arfip1), mRNA.	Mme-M300021829	ILMN_2743425	0	0
76932	Arfip2	0.382	0.161	-0.204	0	0	0	0	0	0	NM_029802	ADP-ribosylation factor interacting protein 2 (Arfip2), mRNA.	Mme-M200013680	ILMN_2619491	0	0
76688	Arfrp1	-0.229	-0.170	0.146	0	0	0	0	0	0	NM_029702	ADP-ribosylation factor related protein 1 (Arfrp1), mRNA.	Mme-M200015905	ILMN_1226330	0	0
11846	Arg1	0.092	0.128	-0.016	0	0	0	0	0	0	NM_007482	arginase 1, liver (Arg1), mRNA.	Mme-M200009731	ILMN_2775157	0	0
11847	Arg2	0.034	0.038	0.102	0	0	0	0	0	0	NM_009705	arginase type II (Arg2), mRNA.	Mme-M200001366	ILMN_2669164	0	0
234023	Arglu1	0.058	-0.196	0.118	0	0	0	0	0	0	NM_176849	arginine and glutamate rich 1 (Arglu1), mRNA.	Mme-M300012678	ILMN_2594128	0	0
228359	Arhgap1	-0.065	-0.169	-0.106	0	0	0	0	0	0	NM_146124	Rho GTPase activating protein 1 (Arhgap1), mRNA.	Mme-M200004382	ILMN_1223713	0	0
78514	Arhgap10	0.216	0.116	-0.111	0	0	0	0	0	0	NM_030113	Rho GTPase activating protein 10 (Arhgap10), mRNA.	Mme-M300010774	ILMN_1227940	0	0
228482	Arhgap11a	-0.084	-0.049	-0.017	0	0	0	0	0	0	NM_181416	Rho GTPase activating protein 11A (Arhgap11a), mRNA.	Mme-M300013062	ILMN_1229328	0	0
75415	Arhgap12	-0.202	-0.040	-0.081	0	0	0	0	0	0	NM_029277	Rho GTPase activating protein 12 (Arhgap12), transcript variant 2, mRNA.	Mme-M300013068	ILMN_1227256	0	0
76117	Arhgap15	0.034	0.243	0.099	0	0	0	0	0	0	NM_153820	Rho GTPase activating protein 15 (Arhgap15), transcript variant 1, mRNA.	Mme-M200013546	ILMN_2759756	0	0
70497	Arhgap17	0.127	0.102	0.113	0	0	0	0	0	0	NM_144529	Rho GTPase activating protein 17 (Arhgap17), transcript variant 1, mRNA.	Mme-M200012227	ILMN_2625634	0	0
73910	Arhgap18	0.052	-0.148	0.290	0	0	0	0	0	0	NM_176837	Rho GTPase activating protein 18 (Arhgap18), mRNA.	Mme-M300011888	ILMN_1248002	0	0
71085	Arhgap19	-0.299	-0.157	0.069	0	0	0	0	0	0	NM_027667	Rho GTPase activating protein 19 (Arhgap19), mRNA.	Mme-M200010288	ILMN_1236038	0	0
244867	Arhgap20	-0.108	-0.223	0.065	0	0	0	0	0	0	NM_175535	Rho GTPase activating protein 20 (Arhgap20), mRNA.	Mme-M300008049	ILMN_2959729	0	0
71435	Arhgap21	0.118	-0.246	-0.044	0	0	0	0	0	0	NM_001081364	Rho GTPase activating protein 21 (Arhgap21), mRNA.	Mme-M300010455	ILMN_2613531	0	0
239027	Arhgap22	-0.166	-0.069	-0.115	0	0	0	0	0	0	NM_153800	Rho GTPase activating protein 22 (Arhgap22), mRNA.	Mme-M300017773	ILMN_2672380	0	0
58996	Arhgap23	0.276	0.008	-0.230	0	0	0	0	0	0	NM_021493	RIKEN cDNA 4933428G20 gene (4933428G20Rik), mRNA.	Mme-M200014068	ILMN_1247490	0	0
231532	Arhgap24	0.082	0.033	-0.133	0	0	0	0	0	0	NM_146161	Rho GTPase activating protein 24 (Arhgap24), transcript variant 2, mRNA.	Mme-M400005871	ILMN_2728038	0	0
232201	Arhgap25	-0.059	0.176	0.062	0	0	0	0	0	0	NM_175476	Rho GTPase activating protein 25 (Arhgap25), transcript variant 2, mRNA.	Mme-M300006979	ILMN_3155245	0	0
71302	Arhgap26	-0.136	0.075	-0.046	0	0	0	0	0	0	NM_175164	Rho GTPase activating protein 26 (Arhgap26), mRNA.	Mme-M300010381	ILMN_1213838	0	0
544817	Arhgap27	-0.051	0.102	0.045	0	0	0	0	0	0	NM_133715	Rho GTPase activating protein 27 (Arhgap27), transcript variant 1, mRNA.	Mme-M400005049	ILMN_1227758	0	0
268970	Arhgap28	-0.275	-0.017	-0.175	0	0	0	0	0	0	NM_172964	Rho GTPase activating protein 28 (Arhgap28), mRNA.	Mme-M300003875	ILMN_2590219	0	0
214137	Arhgap29	0.022	-0.224	0.114	0	0	0	0	0	0	NM_172525	Rho GTPase activating protein 29 (Arhgap29), mRNA.	Mme-M300012396	ILMN_2753687	0	0
226652	Arhgap30	0.018	0.348	0.329	0	0	1	0	0	0	NM_001005508	Rho GTPase activating protein 30 (Arhgap30), mRNA.	Mme-M300019643	ILMN_2954575	0	0
12549	Arhgap31	-0.150	-0.085	-0.050	0	0	0	0	0	0	NM_020260	Cdc42 GTPase-activating protein (Cdgap), mRNA.	Mme-M200008619	ILMN_1235143	0	0
330914	Arhgap32	-0.031	-0.172	-0.096	0	0	0	0	0	0	NM_177379	Rho GTPase-activating protein (Grit), mRNA.	Mme-M300013176	ILMN_1225037	0	0
233071	Arhgap33	0.084	0.092	-0.026	0	0	0	0	0	0	NM_178252	sorting nexin 26 (Snx26), mRNA.	Mme-M300010599	ILMN_1229159	0	0
232906	Arhgap35	-0.124	0.175	-0.048	0	0	0	0	0	0	NM_172739	glucocorticoid receptor DNA binding factor 1 (Grlf1), mRNA.	Mme-M400006075	ILMN_2634349	0	0
75404	Arhgap36	-0.324	-0.020	-0.044	0	0	0	0	0	0	NM_001081123	RIKEN cDNA 1100001E04 gene (1100001E04Rik), mRNA.	Mme-M300010278	ILMN_2659694	0	0
223666	Arhgap39	-0.059	-0.044	0.130	0	0	0	0	0	0	NM_198420	DNA segment, Chr 15, Wayne State University 169, expressed (D15Wsu169e), mRNA.	Mme-M300008895	ILMN_2985305	0	0
171207	Arhgap4	0.052	0.351	0.293	0	0	0	0	0	0	NM_138630	Rho GTPase activating protein 4 (Arhgap4), mRNA.	Mme-M200006946	ILMN_2677876	0	0
216831	Arhgap44	-0.068	-0.077	-0.036	0	0	0	0	0	0	NM_001099288	expressed sequence AU040829 (AU040829), transcript variant 1, mRNA.	Mme-M300008753	ILMN_2702434	0	0
11855	Arhgap5	0.109	0.023	-0.026	0	0	0	0	0	0	NM_009706	Rho GTPase activating protein 5 (Arhgap5), mRNA.	Mme-M400010969	ILMN_2656852	0	0
11856	Arhgap6	-0.061	0.049	0.062	0	0	0	0	0	0	NM_178754	Rho GTPase activating protein 6 (Arhgap6), transcript variant 2, mRNA.	Mme-M300007683	ILMN_1250776	0	0
73167	Arhgap8	0.026	-0.078	-0.177	0	0	0	0	0	0	NM_028455	RIKEN cDNA 3110043J09 gene (3110043J09Rik), mRNA.	Mme-M200004661	ILMN_2844671	0	0
216445	Arhgap9	0.084	0.412	0.265	0	0	0	0	0	0	NM_146011	Rho GTPase activating protein 9 (Arhgap9), mRNA.	Mme-M200003628	ILMN_2650739	0	0
11857	Arhgdib	0.354	0.680	0.342	0	1	1	0	1	0	NM_007486	Rho, GDP dissociation inhibitor (GDI) beta (Arhgdib), mRNA.	Mme-M200000851	ILMN_2789948	1	0
14570	Arhgdig	-0.189	-0.151	-0.140	0	0	0	0	0	0	NM_008113	Rho GDP dissociation inhibitor (GDI) gamma (Arhgdig), mRNA.	Mme-M300003965	ILMN_1240164	0	0
16801	Arhgef1	0.239	0.082	-0.064	0	0	0	0	0	0	NM_008488	Rho guanine nucleotide exchange factor (GEF) 1 (Arhgef1), mRNA.	Mme-M200001228	ILMN_2748138	0	0
213498	Arhgef11	-0.116	-0.192	-0.128	0	0	0	0	0	0	NM_001003912	Rho guanine nucleotide exchange factor (GEF) 11 (Arhgef11), mRNA.	Mme-M300013449	ILMN_2720356	0	0
69632	Arhgef12	-0.181	-0.064	0.077	0	0	0	0	0	0	NM_027144	Rho guanine nucleotide exchange factor (GEF) 12 (Arhgef12), mRNA.	Mme-M200008448	ILMN_2658563	0	0
442801	Arhgef15	0.146	0.202	-0.054	0	0	0	0	0	0	NM_177566	Rho guanine nucleotide exchange factor (GEF) 15 (Arhgef15), mRNA.	Mme-M400004278	ILMN_3094506	0	0
230972	Arhgef16	0.098	-0.150	-0.057	0	0	0	0	0	0	NM_001112744	Rho guanine nucleotide exchange factor (GEF) 16 (Arhgef16), mRNA.	Mme-M200008080	ILMN_1239332	0	0
207212	Arhgef17	-0.228	-0.022	0.065	0	0	0	0	0	0	NM_001081116	Rho guanine nucleotide exchange factor (GEF) 17 (Arhgef17), mRNA.	Mme-M400004494	ILMN_2699080	0	0
102098	Arhgef18	0.122	-0.109	0.017	0	0	0	0	0	0	NM_133962	rho/rac guanine nucleotide exchange factor (GEF) 18 (Arhgef18), mRNA.	Mme-M200011659	ILMN_2612125	0	0
213649	Arhgef19	-0.097	-0.114	0.003	0	0	0	0	0	0	NM_172520	Rho guanine nucleotide exchange factor (GEF) 19 (Arhgef19), mRNA.	Mme-M300006371	ILMN_1212875	0	0
16800	Arhgef2	0.205	0.278	0.129	0	0	0	0	0	0	NM_008487	rho/rac guanine nucleotide exchange factor (GEF) 2 (Arhgef2), mRNA.	Mme-M200002579	ILMN_1217110	0	0
52666	Arhgef25	0.108	-0.087	-0.131	0	0	0	0	0	0	NM_028027	DNA segment, Chr 10, ERATO Doi 610, expressed (D10Ertd610e), mRNA.	Mme-M400000323	ILMN_1259949	0	0
622434	Arhgef26	-0.056	-0.098	-0.171	0	0	0	0	0	0	NM_001081295	RIKEN cDNA 4631416L12 gene (4631416L12Rik), mRNA.	Mme-M400013635	ILMN_1246647	0	0
110596	Arhgef28	-0.325	-0.060	-0.022	0	0	0	0	0	0	NM_012026	Rho-guanine nucleotide exchange factor (Rgnef), mRNA.	Mme-M400014938	ILMN_1229911	0	0
71704	Arhgef3	0.016	0.043	0.118	0	0	0	0	0	0	NM_027871	Rho guanine nucleotide exchange factor (GEF) 3 (Arhgef3), mRNA.	Mme-M200007593	ILMN_2645208	0	0
328967	Arhgef37	-0.215	0.055	-0.078	0	0	0	0	0	0	NM_177828	RIKEN cDNA 4933429F08 gene (4933429F08Rik), mRNA.	Mme-M300016071	ILMN_2619961	0	0
77669	Arhgef38	0.199	0.020	-0.017	0	0	0	0	0	0	NM_029953	RIKEN cDNA 9130221D24 gene (9130221D24Rik), mRNA.	Mme-M400005545	ILMN_2704299	0	0
230098	Arhgef39	-0.248	0.141	0.035	0	0	0	0	0	0	NM_001013377	RIKEN cDNA E130306D19 gene (E130306D19Rik), mRNA.	Mme-M300022143	ILMN_2659317	0	0
226970	Arhgef4	-0.074	-0.136	0.047	0	0	0	0	0	0	NM_183019	Rho guanine nucleotide exchange factor (GEF) 4 (Arhgef4), mRNA.	Mme-M300010970	ILMN_2760548	0	0
268739	Arhgef40	-0.112	-0.014	0.033	0	0	0	0	0	0	NM_198249	RIKEN cDNA E130112L23 gene (E130112L23Rik), mRNA.	Mme-M300000569	ILMN_2613156	0	0
54324	Arhgef5	-0.745	-0.213	-0.159	-1	0	0	0	0	0	NM_133674	Rho guanine nucleotide exchange factor (GEF) 5 (Arhgef5), mRNA.	Mme-M400002303	ILMN_1222060	0	0
73341	Arhgef6	0.073	0.129	0.201	0	0	0	0	0	0	NM_152801	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 (Arhgef6), mRNA.	Mme-M300007574	ILMN_2639642	0	0
54126	Arhgef7	0.144	0.036	-0.063	0	0	0	0	0	0	NM_017402	Rho guanine nucleotide exchange factor (GEF7) (Arhgef7), transcript variant 3, mRNA.	Mme-M400001377	ILMN_1213960	0	0
236915	Arhgef9	0.247	0.076	0.204	0	0	0	0	0	0	NM_001033329	Cdc42 guanine nucleotide exchange factor (GEF) 9 (Arhgef9), mRNA.	Mme-M300004724	ILMN_1254985	0	0
93760	Arid1a	0.205	-0.197	-0.161	0	0	0	0	0	0	NM_001080819	AT rich interactive domain 1A (Swi1 like) (Arid1a), mRNA.	Mme-M400013001	ILMN_3128260	0	0
239985	Arid1b	0.129	0.086	-0.114	0	0	0	0	0	0	NM_001085355	AT rich interactive domain 1B (Swi1 like) (Arid1b), mRNA.	Mme-M400015183	ILMN_1231417	0	0
77044	Arid2	-0.123	-0.281	0.031	0	0	0	0	0	0	NM_175251	AT rich interactive domain 2 (Arid-rfx like) (Arid2), mRNA.	Mme-M400016939	ILMN_2621735	0	0
13496	Arid3a	-0.036	-0.073	-0.035	0	0	0	0	0	0	NM_007880	AT rich interactive domain 3A (Bright like) (Arid3a), mRNA.	Mme-M200000845	ILMN_2687828	0	0
56380	Arid3b	0.043	0.053	0.142	0	0	0	0	0	0	NM_019689	AT rich interactive domain 3B (Bright like) (Arid3b), mRNA.	Mme-M200005181	ILMN_1238558	0	0
238247	Arid4a	0.278	-0.123	-0.089	0	0	0	0	0	0	NM_001081195	AT rich interactive domain 4A (Rbp1 like) (Arid4a), mRNA.	Mme-M300018941	ILMN_2686296	0	0
94246	Arid4b	0.079	-0.167	-0.081	0	0	0	0	0	0	NM_198122	AT rich interactive domain 4B (Rbp1 like) (Arid4b), transcript variant 2, mRNA.	Mme-M300012038	ILMN_3133267	0	0
214855	Arid5a	-0.161	0.187	-0.069	0	0	0	0	0	0	NM_145996	AT rich interactive domain 5A (Mrf1 like) (Arid5a), mRNA.	Mme-M300010930	ILMN_2718453	0	0
71371	Arid5b	0.190	-0.155	-0.104	0	0	0	0	0	0	NM_023598	AT rich interactive domain 5B (Mrf1 like) (Arid5b), mRNA.	Mme-M200014545	ILMN_1214734	0	0
23806	Arih1	-0.134	-0.097	0.248	0	0	0	0	0	0	NM_019927	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila) (Arih1), mRNA.	Mme-M200012926	ILMN_2712427	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
23807	Arih2	0.260	-0.118	-0.162	0	0	0	0	0	0	NM_011790	ariadne homolog 2 (Drosophila) (Arih2), mRNA.	Mme-M400005772	ILMN_2696247	0	0
56795	Arl10	-0.171	0.185	-0.062	0	0	0	0	0	0	NM_019968	ADP-ribosylation factor-like 10 (Arl10), mRNA.	Mme-M200015999	ILMN_1247679	0	0
219144	Arl11	0.172	0.281	-0.093	0	0	0	0	0	0	NM_177337	ADP-ribosylation factor-like 11 (Arl11), mRNA.	Mme-M300014238	ILMN_2721149	0	0
74448	Arl13a	-0.563	0.027	-0.045	0	0	0	0	0	0	XM_136037	PREDICTED: ADP-ribosylation factor-like 13A, transcript variant 1 (Arl13a), mRNA.	Mme-M400004165	ILMN_1230103	0	0
68146	Arl13b	0.207	-0.038	0.053	0	0	0	0	0	0	NM_026577	ADP-ribosylation factor-like 13B (Arl13b), mRNA.	Mme-M300003586	ILMN_2741351	0	0
71619	Arl14	0.053	-0.031	0.051	0	0	0	0	0	0	XM_130919	PREDICTED: ADP-ribosylation factor-like 14 (Arl14), mRNA.	Mme-M200016160	ILMN_2638388	0	0
212772	Arl14ep	-0.212	0.073	-0.081	0	0	0	0	0	0	NM_173750	RIKEN cDNA 2700007P21 gene (2700007P21Rik), transcript variant 2, mRNA.	Mme-M300005481	ILMN_2454720	0	0
381142	Arl14epl	-0.251	-0.043	-0.068	0	0	0	0	0	0	NM_001033446	gene model 949, (NCBI) (Gm949), mRNA.	Mme-M400005125	ILMN_3081970	0	0
70317	Arl16	-0.160	0.047	-0.028	0	0	0	0	0	0	NM_197995	ADP-ribosylation factor-like 16 (Arl16), mRNA.	Mme-M200008513	ILMN_1231868	0	0
56327	Arl2	0.105	0.078	-0.185	0	0	0	0	0	0	NM_019722	ADP-ribosylation factor-like 2 (Arl2), mRNA.	Mme-M200004046	ILMN_2620304	0	0
107566	Arl2bp	0.000	0.083	0.037	0	0	0	0	0	0	NM_024191	ADP-ribosylation factor-like 2 binding protein (Arl2bp), transcript variant 1, mRNA.	Mme-M200009273	ILMN_2745037	0	0
56350	Arl3	-0.159	-0.119	0.104	0	0	0	0	0	0	NM_019718	ADP-ribosylation factor-like 3 (Arl3), mRNA.	Mme-M300004439	ILMN_1238801	0	0
11861	Arl4a	0.166	0.081	-0.091	0	0	0	0	0	0	NM_007487	ADP-ribosylation factor-like 4A (Arl4a), transcript variant 1, mRNA.	Mme-M200003116	ILMN_3066763	0	0
320982	Arl4c	-0.081	0.246	0.327	0	0	1	0	0	0	NM_177305	ADP-ribosylation factor-like 4C (Arl4c), mRNA.	Mme-M300020589	ILMN_2997406	0	0
80981	Arl4d	0.154	-0.199	-0.004	0	0	0	0	0	0	NM_025404	ADP-ribosylation factor-like 4D (Arl4d), mRNA.	Mme-M200002250	ILMN_2622354	0	0
75423	Arl5a	0.059	-0.257	-0.075	0	0	0	0	0	0	NM_182994	ADP-ribosylation factor-like 5A (Arl5a), mRNA.	Mme-M300010233	ILMN_1221102	0	0
75869	Arl5b	0.068	-0.120	0.259	0	0	0	0	0	0	NM_029466	ADP-ribosylation factor-like 5B (Arl5b), mRNA.	Mme-M200011767	ILMN_2988191	0	0
217151	Arl5c	0.139	0.210	0.073	0	0	0	0	0	0	NM_207231	ADP-ribosylation factor-like 5C (Arl5c), mRNA.	Mme-M300011514	ILMN_2943057	0	0
56297	Arl6	0.081	0.133	-0.006	0	0	0	0	0	0	NM_019665	ADP-ribosylation factor-like 6 (Arl6), mRNA.	Mme-M300003472	ILMN_3163134	0	0
54208	Arl6ip1	-0.006	-0.023	0.079	0	0	0	0	0	0	NM_019419	ADP-ribosylation factor-like 6 interacting protein 1 (Arl6ip1), mRNA.	Mme-M200006732	ILMN_1253348	0	0
56298	Arl6ip2	0.341	-0.201	-0.243	0	0	0	0	0	0	NM_178050	ADP-ribosylation factor-like 6 interacting protein 2 (Arl6ip2), transcript variant 2, mRNA.	Mme-M200004975	ILMN_2661107	0	0
65105	Arl6ip4	0.069	0.093	-0.177	0	0	0	0	0	0	NM_144509	ADP-ribosylation factor-like 6 interacting protein 4 (Arl6ip4), mRNA.	Mme-M200006481	ILMN_3034691	0	0
65106	Arl6ip5	-0.160	0.243	-0.180	0	0	0	0	0	0	NM_022992	ADP-ribosylation factor-like 6 interacting protein 5 (Arl6ip5), mRNA.	Mme-M200006778	ILMN_1241924	0	0
65103	Arl6ip6	0.208	0.048	-0.035	0	0	0	0	0	0	NM_022989	ADP-ribosylation factor-like 6 interacting protein 6 (Arl6ip6), mRNA.	Mme-M200007961	ILMN_2833965	0	0
68724	Arl8a	-0.004	-0.045	0.005	0	0	0	0	0	0	NM_026823	ADP-ribosylation factor-like 8A (Arl8a), mRNA.	Mme-M200011784	ILMN_2680781	0	0
67166	Arl8b	-0.251	-0.097	0.088	0	0	0	0	0	0	NM_026011	ADP-ribosylation factor-like 8B (Arl8b), mRNA.	Mme-M200016377	ILMN_2589999	0	0
384185	Arl9	0.028	0.041	0.013	0	0	0	0	0	0	NM_206935	ADP-ribosylation factor-like 9 (Arl9), mRNA.	Mme-M400008430	ILMN_2635251	0	0
74252	Armc1	0.180	0.063	0.062	0	0	0	0	0	0	NM_028840	armadillo repeat containing 1 (Armc1), mRNA.	Mme-M200016459	ILMN_2706568	0	0
67211	Armc10	0.155	-0.121	0.247	0	0	0	0	0	0	NM_026034	armadillo repeat containing 10 (Armc10), mRNA.	Mme-M200004264	ILMN_2757916	0	0
67645	Armc12	-0.146	0.041	0.011	0	0	0	0	0	0	NM_026290	RIKEN cDNA 4930511I11 gene (4930511I11Rik), mRNA.	Mme-M200014417	ILMN_1212782	0	0
213402	Armc2	0.074	0.060	-0.099	0	0	0	0	0	0	NM_001034858	armadillo repeat containing 2 (Armc2), mRNA.	Mme-M400008422	ILMN_1238187	0	0
70882	Armc3	-0.076	0.025	0.107	0	0	0	0	0	0	NM_001081083	armadillo repeat containing 3 (Armc3), mRNA.	Mme-M400002039	ILMN_3143651	0	0
74934	Armc4	-0.014	-0.049	-0.037	0	0	0	0	0	0	NM_001081393	armadillo repeat containing 4 (Armc4), mRNA.	Mme-M300011872	ILMN_1254689	0	0
233912	Armc5	-0.138	0.040	0.028	0	0	0	0	0	0	NM_146205	armadillo repeat containing 5 (Armc5), mRNA.	Mme-M300013545	ILMN_1224716	0	0
76813	Armc6	-0.079	-0.116	-0.121	0	0	0	0	0	0	NM_133972	armadillo repeat containing 6 (Armc6), mRNA.	Mme-M200005475	ILMN_2682321	0	0
276905	Armc7	-0.164	0.045	-0.026	0	0	0	0	0	0	NM_177778	armadillo repeat containing 7 (Armc7), mRNA.	Mme-M200008002	ILMN_1234427	0	0
74125	Armc8	-0.054	-0.150	0.098	0	0	0	0	0	0	NM_028768	armadillo repeat containing 8 (Armc8), mRNA.	Mme-M400001465	ILMN_2908981	0	0
78795	Armc9	0.040	0.090	-0.152	0	0	0	0	0	0	NM_030184	armadillo repeat containing 9 (Armc9), transcript variant 1, mRNA.	Mme-M200012684	ILMN_2595651	0	0
78248	Armcx1	0.065	0.009	-0.020	0	0	0	0	0	0	NM_030066	armadillo repeat containing, X-linked 1 (Armcx1), mRNA.	Mme-M200008019	ILMN_2645448	0	0
67416	Armcx2	0.135	0.153	0.088	0	0	0	0	0	0	NM_026139	armadillo repeat containing, X-linked 2 (Armcx2), mRNA.	Mme-M200005668	ILMN_1220398	0	0
71703	Armcx3	0.148	-0.119	-0.113	0	0	0	0	0	0	NM_027870	armadillo repeat containing, X-linked 3 (Armcx3), mRNA.	Mme-M400001585	ILMN_1234742	0	0
278097	Armcx6	0.076	0.067	-0.157	0	0	0	0	0	0	NM_001007578	armadillo repeat containing, X-linked 6 (Armcx6), mRNA.	Mme-M400003680	ILMN_1228827	0	0
11863	Arnt	0.200	0.102	0.133	0	0	0	0	0	0	NM_009709	aryl hydrocarbon receptor nuclear translocator (Arnt), transcript variant 2, mRNA.	Mme-M300001418	ILMN_1255317	0	0
11864	Arnt2	-0.207	0.044	0.096	0	0	0	0	0	0	NM_007488	aryl hydrocarbon receptor nuclear translocator 2 (Arnt2), mRNA.	Mme-M200001971	ILMN_2616509	0	0
11865	Arntl	0.322	-0.190	0.284	0	0	0	0	0	0	NM_007489	aryl hydrocarbon receptor nuclear translocator-like (Arntl), mRNA.	Mme-M200003070	ILMN_2707510	0	0
272322	Arntl2	0.080	0.013	0.121	0	0	0	0	0	0	NM_172309	aryl hydrocarbon receptor nuclear translocator-like 2 (Arntl2), mRNA.	Mme-M300012554	ILMN_1259991	0	0
56443	Arpc1a	0.108	0.134	0.255	0	0	0	0	0	0	NM_019767	actin related protein 2/3 complex, subunit 1A (Arpc1a), mRNA.	Mme-M200007637	ILMN_2753649	0	0
11867	Arpc1b	0.297	0.262	0.100	0	0	0	0	0	0	NM_023142	actin related protein 2/3 complex, subunit 1B (Arpc1b), mRNA.	Mme-M400011428	ILMN_2860480	0	0
76709	Arpc2	0.240	-0.102	0.201	0	0	0	0	0	0	NM_029711	actin related protein 2/3 complex, subunit 2 (Arpc2), mRNA.	Mme-M300000778	ILMN_2698958	0	0
56378	Arpc3	0.180	0.223	-0.141	0	0	0	0	0	0	NM_019824	actin related protein 2/3 complex, subunit 3 (Arpc3), mRNA.	Mme-M200004909	ILMN_2603725	0	0
67771	Arpc5	0.151	0.203	-0.093	0	0	0	0	0	0	NM_026369	actin related protein 2/3 complex, subunit 5 (Arpc5), mRNA.	Mme-M200006695	ILMN_1244135	0	0
74192	Arpc5l	0.065	-0.028	0.055	0	0	0	0	0	0	NM_028809	actin related protein 2/3 complex, subunit 5-like (Arpc5l), mRNA.	Mme-M200005645	ILMN_2626260	0	0
74100	Arpp21	0.281	0.828	-0.061	0	1	0	0	1	0	NM_028755	cyclic AMP-regulated phosphoprotein, 21 (Arpp21), transcript variant 1, mRNA.	Mme-M200007267	ILMN_1240537	1	0
170735	Arr3	-0.062	-0.031	-0.051	0	0	0	0	0	0	NM_133205	arrestin 3, retinal (Arr3), mRNA.	Mme-M400007300	ILMN_2717844	0	0
109689	Arrb1	-0.158	0.127	-0.094	0	0	0	0	0	0	NM_178220	arrestin, beta 1 (Arrb1), transcript variant b, mRNA.	Mme-M400018415	ILMN_3096335	0	0
216869	Arrb2	0.128	0.330	0.032	0	0	0	0	0	0	NM_145429	arrestin, beta 2 (Arrb2), mRNA.	Mme-M400007140	ILMN_2700848	0	0
215705	Arrdc1	-0.062	0.246	-0.019	0	0	0	0	0	0	NM_178408	arrestin domain containing 1 (Arrdc1), mRNA.	Mme-M200007408	ILMN_1255050	0	0
70807	Arrdc2	0.204	-0.144	0.105	0	0	0	0	0	0	NM_027560	arrestin domain containing 2 (Arrdc2), mRNA.	Mme-M200004830	ILMN_2693835	0	0
105171	Arrdc3	-0.398	-0.125	0.008	0	0	0	0	0	0	NM_001042591	arrestin domain containing 3 (Arrdc3), mRNA.	Mme-M400004427	ILMN_2666279	0	0
66412	Arrdc4	0.213	0.055	-0.054	0	0	0	0	0	0	NM_025549	arrestin domain containing 4 (Arrdc4), transcript variant 2, mRNA.	Mme-M200013596	ILMN_2648967	0	0
76920	Arrdc5	-0.175	0.033	0.054	0	0	0	0	0	0	NM_029799	arrestin domain containing 5 (Arrdc5), mRNA.	Mme-M200015480	ILMN_2706727	0	0
11883	Arsa	0.167	-0.075	0.070	0	0	0	0	0	0	NM_009713	arylsulfatase A (Arsa), mRNA.	Mme-M200000219	ILMN_1225552	0	0
11881	Arsb	0.013	0.244	0.117	0	0	0	0	0	0	NM_009712	arylsulfatase B (Arsb), mRNA.	Mme-M200007113	ILMN_3160662	0	0
74008	Arsg	0.015	0.131	-0.097	0	0	0	0	0	0	NM_028710	arylsulfatase G (Arsg), mRNA.	Mme-M200013563	ILMN_2732601	0	0
545260	Arsi	0.057	-0.034	-0.015	0	0	0	0	0	0	NM_001038499	arylsulfatase i (Arsi), mRNA.	Mme-M400001895	ILMN_1244943	0	0
271970	Arsj	0.150	0.098	0.037	0	0	0	0	0	0	NM_173451	arylsulfatase J (Arsj), mRNA.	Mme-M300017452	ILMN_2844040	0	0
77041	Arsk	-0.067	-0.021	-0.057	0	0	0	0	0	0	NM_029847	arylsulfatase K (Arsk), mRNA.	Mme-M300002843	ILMN_2699894	0	0
11870	Art1	0.863	0.542	-0.111	1	1	0	0	0	0	NM_009710	ADP-ribosyltransferase 1 (Art1), mRNA.	Mme-M400009519	ILMN_3161382	0	0
11871	Art2a-ps	0.123	0.059	0.053	0	0	0	0	0	0	NM_007490	ADP-ribosyltransferase 2a (Art2a), mRNA.	Mme-M400010731	ILMN_2680474	0	0
11872	Art2b	-0.081	0.586	0.311	0	1	1	0	1	0	NM_019915	ADP-ribosyltransferase 2b (Art2b), mRNA.	Mme-M200016315	ILMN_1215074	1	0
109979	Art3	0.075	0.203	0.104	0	0	0	0	0	0	NM_181728	ADP-ribosyltransferase 3 (Art3), mRNA.	Mme-M200006102	ILMN_1223147	0	0
109978	Art4	-0.097	-0.123	-0.055	0	0	0	0	0	0	NM_026639	ADP-ribosyltransferase 4 (Art4), mRNA.	Mme-M200007154	ILMN_1219298	0	0
11875	Art5	-0.283	0.047	-0.050	0	0	0	0	0	0	NM_007491	ADP-ribosyltransferase 5 (Art5), mRNA.	Mme-M400010732	ILMN_2890301	0	0
11876	Artn	-0.230	0.094	-0.072	0	0	0	0	0	0	NM_009711	artemin (Artn), mRNA.	Mme-M200014845	ILMN_2941280	0	0
68865	Arv1	0.016	-0.047	-0.070	0	0	0	0	0	0	NM_026855	ARV1 homolog (yeast) (Arv1), mRNA.	Mme-M200004507	ILMN_2775050	0	0
11877	Arvcf	-0.083	-0.084	-0.139	0	0	0	0	0	0	NM_033474	armadillo repeat gene deleted in velo-cardio-facial syndrome (Arvcf), mRNA.	Mme-M200006278	ILMN_2579479	0	0
11878	Arx	-0.352	0.058	-0.036	0	0	0	0	0	0	NM_007492	aristaless related homeobox gene (Drosophila) (Arx), mRNA.	Mme-M200014722	ILMN_1252013	0	0
76219	Arxes1	0.296	-0.008	-0.041	0	0	0	0	0	0	NR_003641	RIKEN cDNA 6530401D17 gene (6530401D17Rik) on chromosome X.	Mme-M200008239	ILMN_1226365	0	0
76976	Arxes2	0.209	-0.033	-0.138	0	0	0	0	0	0	NR_003642	RIKEN cDNA 2900062L11 gene (2900062L11Rik) on chromosome X.	Mme-M300018864	ILMN_2609182	0	0
57344	As3mt	0.229	0.181	-0.219	0	0	0	0	0	0	NM_020577	arsenic (+3 oxidation state) methyltransferase (As3mt), mRNA.	Mme-M200006073	ILMN_1247626	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11886	Asah1	0.280	0.169	0.110	0	0	0	0	0	0	NM_019734	N-acylsphingosine amidohydrolase 1 (Asah1), mRNA.	Mme-M300007813	ILMN_2629591	0	0
54447	Asah2	0.155	-0.258	0.180	0	0	0	0	0	0	NM_018830	N-acylsphingosine amidohydrolase 2 (Asah2), mRNA.	Mme-M200008681	ILMN_2980044	0	0
13196	Asap1	-0.202	0.157	-0.064	0	0	0	0	0	0	NM_010026	development and differentiation enhancing (Ddef1), mRNA.	Mme-M300003244	ILMN_2694153	0	0
211914	Asap2	-0.143	-0.238	0.211	0	0	0	0	0	0	NM_001004364	development and differentiation enhancing factor 2 (Ddef2), transcript variant 2, mRNA.	Mme-M400009674	ILMN_3046047	0	0
230837	Asap3	-0.179	0.227	0.097	0	0	0	0	0	0	NM_001008232	development and differentiation enhancing factor-like 1 (Ddefl1), mRNA.	Mme-M300010679	ILMN_3000369	0	0
65247	Asb1	-0.096	0.039	0.014	0	0	0	0	0	0	NM_001039126	ankyrin repeat and SOCS box-containing protein 1 (Asb1), transcript variant 1, mRNA.	Mme-M300005033	ILMN_3069767	0	0
117590	Asb10	0.589	0.125	0.004	0	0	0	0	0	0	NM_080444	ankyrin repeat and SOCS box-containing protein 10 (Asb10), mRNA.	Mme-M200013169	ILMN_2919777	0	0
68854	Asb11	0.531	-0.040	-0.007	0	0	0	0	0	0	NM_026853	ankyrin repeat and SOCS box-containing protein 11 (Asb11), mRNA.	Mme-M200007342	ILMN_2632028	0	0
70392	Asb12	0.084	0.269	0.013	0	0	0	0	0	0	NM_080858	ankyrin repeat and SOCS box-containing protein 12 (Asb12), mRNA.	Mme-M200015521	ILMN_2965123	0	0
142688	Asb13	-0.125	0.064	0.126	0	0	0	0	0	0	NM_080857	ankyrin repeat and SOCS box-containing protein 13 (Asb13), mRNA.	Mme-M400001591	ILMN_3104025	0	0
142687	Asb14	-0.230	0.170	0.021	0	0	0	0	0	0	NM_080856	ankyrin repeat and SOCS box-containing protein 14 (Asb14), mRNA.	Mme-M300002989	ILMN_1250663	0	0
78910	Asb15	0.023	0.079	0.035	0	0	0	0	0	0	NM_080847	ankyrin repeat and SOCS box-containing protein 15 (Asb15), mRNA.	Mme-M200011505	ILMN_2686400	0	0
217217	Asb16	-0.082	-0.051	-0.028	0	0	0	0	0	0	NM_148953	ankyrin repeat and SOCS box-containing 16 (Asb16), mRNA.	Mme-M200013424	ILMN_1226002	0	0
66772	Asb17	-0.191	0.053	-0.075	0	0	0	0	0	0	NM_025758	ankyrin repeat and SOCS box-containing protein 17 (Asb17), mRNA.	Mme-M200008852	ILMN_2598271	0	0
208372	Asb18	-0.282	-0.016	-0.001	0	0	0	0	0	0	NM_139152	ankyrin repeat and SOCS box-containing 18 (Asb18), mRNA.	Mme-M400011874	ILMN_1238496	0	0
65256	Asb2	0.488	0.173	-0.123	0	0	0	0	0	0	NM_023049	ankyrin repeat and SOCS box-containing protein 2 (Asb2), mRNA.	Mme-M200005443	ILMN_2765759	0	0
65257	Asb3	-0.010	0.130	-0.107	0	0	0	0	0	0	NM_023906	ankyrin repeat and SOCS box-containing protein 3 (Asb3), mRNA.	Mme-M200004864	ILMN_1236376	0	0
65255	Asb4	0.336	0.121	-0.222	0	0	0	0	0	0	NM_023048	ankyrin repeat and SOCS box-containing protein 4 (Asb4), mRNA.	Mme-M200014712	ILMN_2637073	0	0
76294	Asb5	0.339	-0.107	0.034	0	0	0	0	0	0	NM_029569	ankyrin repeat and SOCs box-containing protein 5 (Asb5), mRNA.	Mme-M200007327	ILMN_2660728	0	0
72323	Asb6	0.249	0.100	-0.066	0	0	0	0	0	0	NM_133346	ankyrin repeat and SOCS box-containing protein 6 (Asb6), mRNA.	Mme-M200005639	ILMN_1254737	0	0
117589	Asb7	-0.017	-0.091	0.089	0	0	0	0	0	0	NM_080443	ankyrin repeat and SOCS box-containing protein 7 (Asb7), transcript variant 1, mRNA.	Mme-M200013170	ILMN_2701671	0	0
78541	Asb8	0.026	0.043	0.116	0	0	0	0	0	0	NM_030121	ankyrin repeat and SOCS box-containing protein 8 (Asb8), mRNA.	Mme-M200012948	ILMN_1225252	0	0
69299	Asb9	-0.368	0.047	-0.063	0	0	0	0	0	0	NM_027027	ankyrin repeat and SOCS box-containing protein 9 (Asb9), mRNA.	Mme-M200015515	ILMN_2682835	0	0
69090	Ascc1	0.190	0.136	-0.111	0	0	0	0	0	0	NM_026937	activating signal cointegrator 1 complex subunit 1 (Ascc1), mRNA.	Mme-M200001551	ILMN_1249719	0	0
75452	Ascc2	-0.263	0.079	0.139	0	0	0	0	0	0	NM_029291	activating signal cointegrator 1 complex subunit 2 (Ascc2), mRNA.	Mme-M400011666	ILMN_2751186	0	0
77987	Ascc3	0.366	0.097	0.130	0	0	0	0	0	0	XM_125617	PREDICTED: activating signal cointegrator 1 complex subunit 3, transcript variant 1 (Ascc3), mRNA.	Mme-M300011763	ILMN_1248187	0	0
17172	Ascl1	0.187	0.093	-0.115	0	0	0	0	0	0	NM_008553	achaete-scute complex homolog 1 (Drosophila) (Ascl1), mRNA.	Mme-M200002953	ILMN_2708006	0	0
17173	Ascl2	-0.192	0.080	0.105	0	0	0	0	0	0	NM_008554	achaete-scute complex homolog 2 (Drosophila) (Ascl2), mRNA.	Mme-M200012829	ILMN_2515236	0	0
56787	Ascl3	-0.011	-0.182	0.015	0	0	0	0	0	0	NM_020051	achaete-scute complex homolog 3 (Drosophila) (Ascl3), mRNA.	Mme-M200006412	ILMN_2691996	0	0
66403	Asf1a	0.297	-0.209	0.371	0	0	1	0	0	0	NM_025541	ASF1 anti-silencing function 1 homolog A (S. cerevisiae) (Asf1a), mRNA.	Mme-M200006089	ILMN_1239345	0	0
66929	Asf1b	0.201	0.201	-0.056	0	0	0	0	0	0	NM_024184	ASF1 anti-silencing function 1 homolog B (S. cerevisiae) (Asf1b), mRNA.	Mme-M200006598	ILMN_2719473	0	0
11889	Asgr1	-0.063	-0.532	0.073	0	-1	0	0	0	0	NM_009714	asialoglycoprotein receptor 1 (Asgr1), mRNA.	Mme-M200002384	ILMN_2608703	0	0
11890	Asgr2	0.080	0.044	0.030	0	0	0	0	0	0	NM_007493	asialoglycoprotein receptor 2 (Asgr2), mRNA.	Mme-M200000529	ILMN_2613758	0	0
192195	Ash1l	0.167	-0.197	0.086	0	0	0	0	0	0	NM_138679	ash1 (absent, small, or homeotic)-like (Drosophila) (Ash1l), mRNA.	Mme-M400012882	ILMN_1223056	0	0
23808	Ash2l	0.173	0.094	0.022	0	0	0	0	0	0	NM_001080793	ash2 (absent, small, or homeotic)-like (Drosophila) (Ash2l), transcript variant 2, mRNA.	Mme-M300007803	ILMN_3154222	0	0
11419	Asic1	-0.093	0.069	-0.062	0	0	0	0	0	0	NM_009597	amiloride-sensitive cation channel 2, neuronal (Accn2), mRNA.	Mme-M300003629	ILMN_2643241	0	0
11418	Asic2	-0.061	0.149	-0.062	0	0	0	0	0	0	NM_001034013	amiloride-sensitive cation channel 1, neuronal (degenerin) (Accn1), transcript variant 2, mRNA.	Mme-M200002649	ILMN_1230841	0	0
171209	Asic3	-0.231	0.202	-0.046	0	0	0	0	0	0	NM_183000	amiloride-sensitive cation channel 3 (Accn3), mRNA.	Mme-M300011461	ILMN_2699096	0	0
241118	Asic4	0.248	-0.058	0.056	0	0	0	0	0	0	NM_183022	amiloride-sensitive cation channel 4, pituitary (Accn4), mRNA.	Mme-M300008554	ILMN_1250793	0	0
58170	Asic5	-0.270	0.012	-0.019	0	0	0	0	0	0	NM_021370	amiloride-sensitive cation channel 5, intestinal (Accn5), mRNA.	Mme-M200015959	ILMN_2632101	0	0
109900	Asl	-0.213	-0.032	0.029	0	0	0	0	0	0	NM_133768	argininosuccinate lyase (Asl), mRNA.	Mme-M200004710	ILMN_1254257	0	0
56495	Asna1	0.138	0.315	0.032	0	0	0	0	0	0	NM_019652	arsA (bacterial) arsenite transporter, ATP-binding, homolog 1 (Asna1), mRNA.	Mme-M300000641	ILMN_2683374	0	0
27053	Asns	-0.086	0.148	-0.154	0	0	0	0	0	0	NM_012055	asparagine synthetase (Asns), mRNA.	Mme-M200001121	ILMN_3006123	0	0
70396	Asnsd1	-0.094	-0.036	0.140	0	0	0	0	0	0	NM_133728	asparagine synthetase domain containing 1 (Asnsd1), mRNA.	Mme-M200005838	ILMN_1229211	0	0
11484	Aspa	-0.071	0.017	0.041	0	0	0	0	0	0	NM_023113	aspartoacylase (Aspa), mRNA.	Mme-M200003864	ILMN_1234740	0	0
68352	Aspdh	-0.061	-0.084	0.027	0	0	0	0	0	0	NM_026690	RIKEN cDNA 0610012D14 gene (0610012D14Rik), mRNA.	Mme-M200015933	ILMN_1248518	0	0
104816	Aspg	-0.077	-0.278	0.082	0	0	0	0	0	0	NM_001081169	RIKEN cDNA A530050D06 gene (A530050D06Rik), mRNA.	Mme-M300002675	ILMN_2615380	0	0
65973	Asph	0.211	0.367	-0.014	0	0	0	0	0	0	NM_133723	aspartate-beta-hydroxylase (Asph), transcript variant 2, mRNA.	Mme-M300005995	ILMN_1259678	0	0
233879	Asphd1	0.078	0.040	-0.182	0	0	0	0	0	0	NM_001039645	aspartate beta-hydroxylase domain containing 1 (Asphd1), mRNA.	Mme-M300017288	ILMN_1260082	0	0
72898	Asphd2	0.074	-0.022	-0.111	0	0	0	0	0	0	NM_028386	aspartate beta-hydroxylase domain containing 2 (Asphd2), mRNA.	Mme-M200009624	ILMN_3162247	0	0
12316	Aspm	-0.024	0.076	0.069	0	0	0	0	0	0	NM_009791	asp (abnormal spindle)-like, microcephaly associated (Drosophila) (Aspm), mRNA.	Mme-M300009047	ILMN_2693205	0	0
66695	Aspn	0.774	0.009	-0.002	1	0	0	0	0	0	NM_025711	asporin (Aspn), mRNA.	Mme-M200005191	ILMN_1231476	0	0
67855	Asprv1	-0.083	0.133	-0.016	0	0	0	0	0	0	NM_026414	aspartic peptidase, retroviral-like 1 (Asprv1), mRNA.	Mme-M200012131	ILMN_2699923	0	0
68938	Aspscr1	0.086	0.121	-0.122	0	0	0	0	0	0	NM_198223	alveolar soft part sarcoma chromosome region, candidate 1 (human) (Aspscr1), transcript variant 2, mRNA.	Mme-M200009391	ILMN_3156058	0	0
66514	Asrgl1	-0.166	0.144	-0.030	0	0	0	0	0	0	NM_025610	asparaginase like 1 (Asrgl1), mRNA.	Mme-M300004253	ILMN_1224874	0	0
11898	Ass1	-0.118	0.114	-0.202	0	0	0	0	0	0	NM_007494	argininosuccinate synthetase 1 (Ass1), mRNA.	Mme-M400000966	ILMN_1247811	0	0
66595	Aste1	-0.383	-0.154	-0.084	0	0	0	0	0	0	NM_025651	asteroid homolog 1 (Drosophila) (Aste1), mRNA.	Mme-M300008326	ILMN_2630756	0	0
215095	Astl	-0.130	0.102	0.017	0	0	0	0	0	0	NM_172539	astacin-like metalloendopeptidase (M12 family) (Astl), mRNA.	Mme-M300021165	ILMN_2623912	0	0
11899	Astn1	-0.032	0.303	-0.154	0	0	0	0	0	0	NM_007495	astrotactin 1 (Astn1), mRNA.	Mme-M300005188	ILMN_2697205	0	0
56079	Astn2	0.037	0.037	0.059	0	0	0	0	0	0	NM_019514	astrotactin 2 (Astn2), transcript variant 1, mRNA.	Mme-M200008808	ILMN_1250707	0	0
71177	Asun	0.219	-0.138	0.112	0	0	0	0	0	0	NM_138757	RIKEN cDNA 4933424B01 gene (4933424B01Rik), mRNA.	Mme-M200012245	ILMN_2833356	0	0
228790	Asxl1	-0.049	0.152	0.112	0	0	0	0	0	0	NM_001039939	additional sex combs like 1 (Drosophila) (Asxl1), mRNA.	Mme-M300013752	ILMN_2492864	0	0
75302	Asxl2	0.122	-0.089	0.003	0	0	0	0	0	0	NM_172421	additional sex combs like 2 (Drosophila) (Asxl2), mRNA.	Mme-M300010950	ILMN_1213354	0	0
211961	Asxl3	-0.250	-0.270	0.551	0	0	1	0	0	0	XM_001474902	PREDICTED: additional sex combs like 3 (Drosophila) (Asxl3), mRNA.	Mme-M400015907	ILMN_1217023	1	0
74068	Asz1	0.038	-0.116	0.146	0	0	0	0	0	0	NM_023729	ankyrin repeat, SAM and basic leucine zipper domain containing 1 (Asz1), mRNA.	Mme-M200015351	ILMN_2872745	0	0
67979	Atad1	0.323	0.136	-0.039	0	0	0	0	0	0	NM_026487	ATPase family, AAA domain containing 1 (Atad1), mRNA.	Mme-M200005427	ILMN_2639230	0	0
70472	Atad2	0.272	-0.188	-0.044	0	0	0	0	0	0	NM_027435	ATPase family, AAA domain containing 2 (Atad2), mRNA.	Mme-M400012192	ILMN_1239422	0	0
320817	Atad2b	0.154	0.032	-0.059	0	0	0	0	0	0	NM_001099628	ATPase family, AAA domain containing 2B (Atad2b), mRNA.	Mme-M300002290	ILMN_2535231	0	0
108888	Atad3a	-0.052	-0.120	-0.055	0	0	0	0	0	0	NM_179203	ATPase family, AAA domain containing 3A (Atad3a), mRNA.	Mme-M200004241	ILMN_2826709	0	0
73242	Atat1	-0.158	0.262	0.015	0	0	0	0	0	0	NM_028476	RIKEN cDNA 2610110G12 gene (2610110G12Rik), mRNA.	Mme-M300004122	ILMN_1258929	0	0
16467	Atcay	-0.025	0.194	-0.144	0	0	0	0	0	0	NM_178662	ataxia, cerebellar, Cayman type homolog (human) (Atcay), mRNA.	Mme-M300009630	ILMN_2629103	0	0
11907	Ate1	0.069	-0.061	-0.043	0	0	0	0	0	0	NM_001029895	arginine-tRNA-protein transferase 1 (Ate1), transcript variant 3, mRNA.	Mme-M200013417	ILMN_3163403	0	0
11908	Atf1	0.425	0.061	0.038	0	0	0	0	0	0	NM_007497	activating transcription factor 1 (Atf1), mRNA.	Mme-M400005232	ILMN_2715664	0	0
11909	Atf2	0.193	-0.191	-0.074	0	0	0	0	0	0	NM_009715	activating transcription factor 2 (Atf2), transcript variant 2, mRNA.	Mme-M300005477	ILMN_2751054	0	0
11910	Atf3	-0.147	0.351	-0.065	0	0	0	0	0	0	NM_007498	activating transcription factor 3 (Atf3), mRNA.	Mme-M200001028	ILMN_2619408	0	0
11911	Atf4	0.395	0.104	0.103	0	0	0	0	0	0	NM_009716	activating transcription factor 4 (Atf4), mRNA.	Mme-M200000224	ILMN_1223734	0	0
107503	Atf5	0.485	-0.136	-0.158	0	0	0	0	0	0	NM_030693	activating transcription factor 5 (Atf5), mRNA.	Mme-M200000634	ILMN_2646985	0	0
226641	Atf6	-0.124	-0.071	0.081	0	0	0	0	0	0	NM_001081304	activating transcription factor 6 (Atf6), mRNA.	Mme-M400017207	ILMN_2451709	0	0
12915	Atf6b	0.222	0.051	-0.063	0	0	0	0	0	0	NM_017406	cAMP responsive element binding protein-like 1 (Crebl1), mRNA.	Mme-M200001576	ILMN_2667889	0	0
223922	Atf7	0.061	-0.100	-0.053	0	0	0	0	0	0	NM_146065	activating transcription factor 7 (Atf7), mRNA.	Mme-M400004112	ILMN_2637254	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
54343	Atf7ip	-0.018	-0.080	0.013	0	0	0	0	0	0	NM_019426	activating transcription factor 7 interacting protein (Atf7ip), mRNA.	Mme-M200007114	ILMN_2722213	0	0
75329	Atf7ip2	-0.393	-0.032	0.048	0	0	0	0	0	0	XM_148109	PREDICTED: activating transcription factor 7 interacting protein 2, transcript variant 1 (Atf7ip2), mRNA.	Mme-M200008746	ILMN_2620418	0	0
66795	Atg10	0.047	-0.017	0.036	0	0	0	0	0	0	NM_025770	autophagy-related 10 (yeast) (Atg10), mRNA.	Mme-M200008785	ILMN_1222865	0	0
68118	Atg101	0.077	-0.038	-0.120	0	0	0	0	0	0	NM_026566	RIKEN cDNA 9430023L20 gene (9430023L20Rik), mRNA.	Mme-M200015988	ILMN_1238679	0	0
67526	Atg12	0.045	-0.084	-0.147	0	0	0	0	0	0	NM_026217	autophagy-related 12 (yeast) (Atg12), mRNA.	Mme-M300008502	ILMN_2663570	0	0
51897	Atg13	-0.048	0.101	-0.179	0	0	0	0	0	0	NM_145528	harbinger transposase derived 1 (Harbi1), mRNA.	Mme-M300005532	ILMN_2632230	0	0
77040	Atg16l1	0.032	0.097	-0.155	0	0	0	0	0	0	NM_029846	autophagy-related 16-like 1 (yeast) (Atg16l1), transcript variant b, mRNA.	Mme-M200002941	ILMN_2620574	0	0
73683	Atg16l2	0.065	0.102	-0.020	0	0	0	0	0	0	NM_001111111	autophagy related 16 like 2 (S. cerevisiae) (Atg16l2), mRNA.	Mme-M200009144	ILMN_2693827	0	0
329015	Atg2a	0.135	-0.151	-0.166	0	0	0	0	0	0	NM_194348	ATG2 autophagy related 2 homolog A (S. cerevisiae) (Atg2a), mRNA.	Mme-M200005229	ILMN_1237432	0	0
76559	Atg2b	-0.276	-0.158	-0.064	0	0	0	0	0	0	NM_029654	ATG2 autophagy related 2 homolog B (S. cerevisiae) (Atg2b), mRNA.	Mme-M200007571	ILMN_2607269	0	0
67841	Atg3	0.091	-0.210	0.204	0	0	0	0	0	0	NM_026402	autophagy-related 3 (yeast) (Atg3), mRNA.	Mme-M200013744	ILMN_2651781	0	0
666468	Atg4a	0.099	-0.123	-0.127	0	0	0	0	0	0	NM_174875	autophagy-related 4A (yeast) (Atg4a), mRNA.	Mme-M300016206	ILMN_2667788	0	0
66615	Atg4b	0.037	-0.162	0.070	0	0	0	0	0	0	NM_174874	autophagy-related 4B (yeast) (Atg4b), mRNA.	Mme-M200006315	ILMN_1240472	0	0
242557	Atg4c	0.072	-0.114	0.040	0	0	0	0	0	0	NM_175029	autophagy-related 4C (yeast) (Atg4c), mRNA.	Mme-M300006154	ILMN_2671298	0	0
235040	Atg4d	0.117	-0.128	-0.067	0	0	0	0	0	0	NM_153583	autophagy-related 4D (yeast) (Atg4d), mRNA.	Mme-M300009879	ILMN_1235412	0	0
11793	Atg5	-0.035	-0.228	-0.069	0	0	0	0	0	0	NM_053069	autophagy-related 5 (yeast) (Atg5), mRNA.	Mme-M200004338	ILMN_2998139	0	0
74244	Atg7	-0.033	0.076	-0.139	0	0	0	0	0	0	NM_028835	autophagy-related 7 (yeast) (Atg7), mRNA.	Mme-M200007599	ILMN_1246724	0	0
245860	Atg9a	-0.069	0.197	0.093	0	0	0	0	0	0	NM_001003917	autophagy-related 9A (yeast) (Atg9a), mRNA.	Mme-M300008600	ILMN_2698801	0	0
213948	Atg9b	0.157	0.048	-0.176	0	0	0	0	0	0	NM_001002897	ATG9 autophagy related 9 homolog B (S. cerevisiae) (Atg9b), mRNA.	Mme-M400013691	ILMN_3160369	0	0
212974	Athl1	0.310	0.076	0.066	0	0	0	0	0	0	NM_145387	ATH1, acid trehalase-like 1 (yeast) (Athl1), mRNA.	Mme-M200014459	ILMN_2910684	0	0
108147	Atic	0.389	0.107	0.154	0	0	0	0	0	0	NM_026195	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase (Atic), mRNA.	Mme-M300004978	ILMN_2606567	0	0
73991	Atl1	0.031	-0.050	-0.068	0	0	0	0	0	0	NM_178628	spastic paraplegia 3A homolog (human) (Spg3a), mRNA.	Mme-M300002540	ILMN_2689284	0	0
109168	Atl3	-0.014	-0.108	-0.164	0	0	0	0	0	0	NM_146091	RIKEN cDNA 5730596K20 gene (5730596K20Rik), mRNA.	Mme-M200007535	ILMN_1241909	0	0
11920	Atm	0.155	0.115	-0.302	0	0	0	0	0	0	NM_007499	ataxia telangiectasia mutated homolog (human) (Atm), mRNA.	Mme-M200002140	ILMN_1258206	0	0
234776	Atmin	0.033	0.204	0.068	0	0	0	0	0	0	NM_177700	ATM interactor (Atmin), mRNA.	Mme-M300018233	ILMN_3146362	0	0
13498	Atn1	0.158	0.255	-0.025	0	0	0	0	0	0	NM_007881	atrophin 1 (Atn1), mRNA.	Mme-M300000536	ILMN_1255644	0	0
11921	Atoh1	-0.203	-0.049	-0.004	0	0	0	0	0	0	NM_007500	atonal homolog 1 (Drosophila) (Atoh1), mRNA.	Mme-M400010733	ILMN_2767705	0	0
53404	Atoh7	0.350	0.160	-0.029	0	0	0	0	0	0	NM_016864	atonal homolog 7 (Drosophila) (Atoh7), mRNA.	Mme-M200013328	ILMN_1247770	0	0
71093	Atoh8	0.201	0.060	-0.033	0	0	0	0	0	0	NM_153778	atonal homolog 8 (Drosophila) (Atoh8), mRNA.	Mme-M400002033	ILMN_2638548	0	0
11927	Atox1	-0.125	0.116	-0.192	0	0	0	0	0	0	NM_009720	ATX1 (antioxidant protein 1) homolog 1 (yeast) (Atox1), mRNA.	Mme-M300001695	ILMN_1232762	0	0
11982	Atp10a	-0.170	0.093	0.086	0	0	0	0	0	0	NM_009728	ATPase, class V, type 10A (Atp10a), mRNA.	Mme-M300004585	ILMN_2725188	0	0
319767	Atp10b	-0.293	-0.207	-0.046	0	0	0	0	0	0	NM_176999	ATPase, class V, type 10B (Atp10b), mRNA.	Mme-M400005162	ILMN_2521450	0	0
231287	Atp10d	0.279	-0.101	0.069	0	0	0	0	0	0	NM_153389	ATPase, class V, type 10D (Atp10d), mRNA.	Mme-M400003206	ILMN_1235196	0	0
50770	Atp11a	-0.275	0.109	0.126	0	0	0	0	0	0	NM_015804	ATPase, class VI, type 11A (Atp11a), mRNA.	Mme-M200007767	ILMN_1248388	0	0
76295	Atp11b	0.188	0.037	0.032	0	0	0	0	0	0	NM_029570	ATPase, class VI, type 11B (Atp11b), mRNA.	Mme-M200003040	ILMN_1257807	0	0
320940	Atp11c	-0.176	-0.153	0.127	0	0	0	0	0	0	NM_001001798	Atpase, class VI, type 11C (Atp11c), transcript variant 2, mRNA.	Mme-M300010303	ILMN_3152506	0	0
192113	Atp12a	-0.166	0.006	-0.073	0	0	0	0	0	0	NM_138652	ATPase, H+/K+ transporting, nongastric, alpha polypeptide (Atp12a), mRNA.	Mme-M300003157	ILMN_1228582	0	0
170759	Atp13a1	0.047	0.150	0.154	0	0	0	0	0	0	NM_133224	ATPase type 13A1 (Atp13a1), mRNA.	Mme-M200005585	ILMN_1250382	0	0
74772	Atp13a2	-0.221	-0.041	0.004	0	0	0	0	0	0	NM_029097	ATPase type 13A2 (Atp13a2), mRNA.	Mme-M300010468	ILMN_1254562	0	0
224079	Atp13a4	-0.373	0.276	0.069	0	0	0	0	0	0	NM_172613	ATPase type 13A4 (Atp13a4), mRNA.	Mme-M400013468	ILMN_2721169	0	0
268878	Atp13a5	0.033	-0.087	0.054	0	0	0	0	0	0	NM_175650	ATPase type 13A5 (Atp13a5), mRNA.	Mme-M300011335	ILMN_2688054	0	0
11928	Atp1a1	-0.101	-0.099	-0.104	0	0	0	0	0	0	NM_144900	ATPase, Na+/K+ transporting, alpha 1 polypeptide (Atp1a1), mRNA.	Mme-M200013073	ILMN_1218058	0	0
98660	Atp1a2	-0.152	-0.035	0.262	0	0	0	0	0	0	NM_178405	ATPase, Na+/K+ transporting, alpha 2 polypeptide (Atp1a2), mRNA.	Mme-M400000139	ILMN_2722716	0	0
232975	Atp1a3	-0.258	-0.042	0.033	0	0	0	0	0	0	NM_144921	ATPase, Na+/K+ transporting, alpha 3 polypeptide (Atp1a3), mRNA.	Mme-M400002456	ILMN_3162695	0	0
11931	Atp1b1	0.043	0.039	-0.101	0	0	0	0	0	0	NM_009721	ATPase, Na+/K+ transporting, beta 1 polypeptide (Atp1b1), mRNA.	Mme-M200001805	ILMN_2767615	0	0
11932	Atp1b2	-0.055	0.335	0.071	0	0	0	0	0	0	NM_013415	ATPase, Na+/K+ transporting, beta 2 polypeptide (Atp1b2), mRNA.	Mme-M200002661	ILMN_2602902	0	0
11933	Atp1b3	-0.018	-0.050	-0.071	0	0	0	0	0	0	NM_007502	ATPase, Na+/K+ transporting, beta 3 polypeptide (Atp1b3), mRNA.	Mme-M200000157	ILMN_1240702	0	0
67821	Atp1b4	0.060	0.003	0.051	0	0	0	0	0	0	NM_133690	ATPase, (Na+)/K+ transporting, beta 4 polypeptide (Atp1b4), mRNA.	Mme-M200015052	ILMN_2768612	0	0
11937	Atp2a1	2.744	-0.362	-0.590	1	0	-1	1	0	-1	NM_007504	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 (Atp2a1), mRNA.	Mme-M200007718	ILMN_2666864	1	1
11938	Atp2a2	0.224	-0.081	-0.029	0	0	0	0	0	0	NM_009722	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2 (Atp2a2), transcript variant 2, mRNA.	Mme-M300006691	ILMN_1239742	0	0
53313	Atp2a3	-0.138	0.193	0.340	0	0	1	0	0	0	NM_016745	ATPase, Ca++ transporting, ubiquitous (Atp2a3), mRNA.	Mme-M200002343	ILMN_2900462	0	0
67972	Atp2b1	-0.199	-0.029	0.161	0	0	0	0	0	0	NM_026482	ATPase, Ca++ transporting, plasma membrane 1 (Atp2b1), mRNA.	Mme-M400000347	ILMN_2878021	0	0
11941	Atp2b2	0.109	0.142	-0.289	0	0	0	0	0	0	NM_001036684	ATPase, Ca++ transporting, plasma membrane 2 (Atp2b2), transcript variant 2, mRNA.	Mme-M200003900	ILMN_3113303	0	0
320707	Atp2b3	-0.078	0.103	-0.112	0	0	0	0	0	0	NM_177236	ATPase, Ca++ transporting, plasma membrane 3 (Atp2b3), mRNA.	Mme-M300007691	ILMN_1243177	0	0
381290	Atp2b4	0.021	0.081	-0.053	0	0	0	0	0	0	NM_213616	ATPase, Ca++ transporting, plasma membrane 4 (Atp2b4), mRNA.	Mme-M300005123	ILMN_3159185	0	0
235574	Atp2c1	0.121	-0.100	-0.062	0	0	0	0	0	0	NM_175025	ATPase, Ca++-sequestering (Atp2c1), mRNA.	Mme-M300009459	ILMN_1252963	0	0
11944	Atp4a	-0.014	0.044	0.029	0	0	0	0	0	0	NM_018731	ATPase, H+/K+ exchanging, gastric, alpha polypeptide (Atp4a), mRNA.	Mme-M200003137	ILMN_1242979	0	0
11945	Atp4b	0.016	0.032	-0.172	0	0	0	0	0	0	NM_009724	ATPase, H+/K+ exchanging, beta polypeptide (Atp4b), mRNA.	Mme-M200009720	ILMN_2703480	0	0
11946	Atp5a1	0.255	0.020	0.209	0	0	0	0	0	0	NM_007505	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1 (Atp5a1), nuclear gene encoc	Mme-M200001577	ILMN_2633229	0	0
11947	Atp5b	0.024	0.009	-0.014	0	0	0	0	0	0	NM_016774	ATP synthase, H+ transporting mitochondrial F1 complex, beta subunit (Atp5b), nuclear gene encoding mitocho	Mme-M300004618	ILMN_2598972	0	0
11949	Atp5c1	0.269	-0.012	-0.040	0	0	0	0	0	0	NM_020615	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 (Atp5c1), nuclear gene encodin	Mme-M300004763	ILMN_1249783	0	0
66043	Atp5d	-0.178	-0.131	0.021	0	0	0	0	0	0	NM_025313	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit (Atp5d), nuclear gene encoding mitoch	Mme-M300000374	ILMN_1254705	0	0
67126	Atp5e	0.210	0.014	-0.085	0	0	0	0	0	0	NM_025983	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit (Atp5e), nuclear gene encoding mitoc	Mme-M300001501	ILMN_2604794	0	0
11951	Atp5g1	0.537	0.157	-0.270	0	0	0	0	0	0	NM_007506	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1 (Atp5g1), nuclear gen	Mme-M400010734	ILMN_1230991	0	0
67942	Atp5g2	0.298	0.097	-0.284	0	0	0	0	0	0	NM_026468	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (Atp5g2), nuclear gen	Mme-M300009251	ILMN_2691528	0	0
228033	Atp5g3	0.050	-0.039	0.030	0	0	0	0	0	0	NM_175015	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 3 (Atp5g3), nuclear gen	Mme-M300001725	ILMN_2692124	0	0
71679	Atp5h	0.052	-0.069	-0.113	0	0	0	0	0	0	NM_027862	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d (Atp5h), nuclear gene encoding mitochondr	Mme-M300009415	ILMN_2602633	0	0
11957	Atp5j	0.255	0.123	0.051	0	0	0	0	0	0	NM_016755	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F (Atp5j), nuclear gene encoding mitochondri	Mme-M200000122	ILMN_2632890	0	0
57423	Atp5j2	0.291	-0.002	0.023	0	0	0	0	0	0	NM_020582	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 (Atp5j2), nuclear gene encoding r	Mme-M400011371	ILMN_1213914	0	0
11958	Atp5k	0.342	0.033	-0.024	0	0	0	0	0	0	NM_007507	ATP synthase, H+ transporting, mitochondrial F1F0 complex, subunit e (Atp5k), nuclear gene encoding mitochon	Mme-M400010735	ILMN_2776899	0	0
28080	Atp5o	0.330	0.120	-0.154	0	0	0	0	0	0	NM_138597	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (Atp5o), nuclear gene encoding mitochondi	Mme-M300003601	ILMN_1247889	0	0
68055	Atp5s	0.059	0.028	0.021	0	0	0	0	0	0	NM_026536	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit s (Atp5s), nuclear gene encoding mitochondri	Mme-M300002501	ILMN_2642158	0	0
66349	Atp5sl	0.058	-0.004	-0.031	0	0	0	0	0	0	NM_025504	ATP5S-like (Atp5sl), mRNA.	Mme-M300000277	ILMN_2666225	0	0
54411	Atp6ap1	-0.007	0.155	-0.097	0	0	0	0	0	0	NM_018794	ATPase, H+ transporting, lysosomal accessory protein 1 (Atp6ap1), mRNA.	Mme-M200004260	ILMN_2607547	0	0
70495	Atp6ap2	0.174	0.293	-0.046	0	0	0	0	0	0	NM_027439	ATPase, H+ transporting, lysosomal accessory protein 2 (Atp6ap2), mRNA.	Mme-M200005058	ILMN_2628657	0	0
11975	Atp6v0a1	-0.157	0.238	0.091	0	0	0	0	0	0	NM_016920	ATPase, H+ transporting, lysosomal V0 subunit A1 (Atp6v0a1), mRNA.	Mme-M200003971	ILMN_1256334	0	0
21871	Atp6v0a2	0.180	-0.136	0.037	0	0	0	0	0	0	NM_011596	ATPase, H+ transporting, lysosomal V0 subunit A2 (Atp6v0a2), mRNA.	Mme-M200000419	ILMN_2747311	0	0
140494	Atp6v0a4	0.083	-0.105	0.027	0	0	0	0	0	0	NM_080467	ATPase, H+ transporting, lysosomal V0 subunit A4 (Atp6v0a4), mRNA.	Mme-M200011758	ILMN_1257796	0	0
114143	Atp6v0b	-0.065	0.068	-0.191	0	0	0	0	0	0	NM_033617	ATPase, H+ transporting, lysosomal V0 subunit B (Atp6v0b), mRNA.	Mme-M300008747	ILMN_1243149	0	0
11984	Atp6v0c	-0.044	0.075	0.058	0	0	0	0	0	0	NM_009729	ATPase, H+ transporting, lysosomal V0 subunit C (Atp6v0c), mRNA.	Mme-M200006871	ILMN_1239946	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
11972	Atp6v0d1	0.042	0.061	-0.062	0	0	0	0	0	0	NM_013477	ATPase, H+ transporting, lysosomal V0 subunit D1 (Atp6v0d1), mRNA.	Mme-M200000393	ILMN_2685365	0	0
242341	Atp6v0d2	0.195	0.002	0.026	0	0	0	0	0	0	NM_175406	ATPase, H+ transporting, lysosomal V0 subunit D2 (Atp6v0d2), mRNA.	Mme-M300006009	ILMN_2610885	0	0
11974	Atp6v0e	0.293	0.108	0.000	0	0	0	0	0	0	NM_025272	ATPase, H+ transporting, lysosomal V0 subunit E (Atp6v0e), mRNA.	Mme-M200004444	ILMN_2650911	0	0
76252	Atp6v0e2	0.044	0.210	0.010	0	0	0	0	0	0	NM_133764	ATPase, H+ transporting, lysosomal V0 subunit E2 (Atp6v0e2), mRNA.	Mme-M200006901	ILMN_2832658	0	0
11964	Atp6v1a	-0.153	-0.268	0.069	0	0	0	0	0	0	NM_007508	ATPase, H+ transporting, lysosomal V1 subunit A (Atp6v1a), mRNA.	Mme-M400012799	ILMN_2525051	0	0
110935	Atp6v1b1	0.036	-0.007	0.014	0	0	0	0	0	0	NM_134157	ATPase, H+ transporting, lysosomal V1 subunit B1 (Atp6v1b1), mRNA.	Mme-M200005199	ILMN_2879910	0	0
11966	Atp6v1b2	0.247	-0.014	-0.037	0	0	0	0	0	0	NM_007509	ATPase, H+ transporting, lysosomal V1 subunit B2 (Atp6v1b2), mRNA.	Mme-M200002981	ILMN_2680440	0	0
66335	Atp6v1c1	0.135	0.079	-0.069	0	0	0	0	0	0	NM_025494	ATPase, H+ transporting, lysosomal V1 subunit C1 (Atp6v1c1), mRNA.	Mme-M300003189	ILMN_1217272	0	0
68775	Atp6v1c2	-0.028	0.199	-0.113	0	0	0	0	0	0	NM_133699	ATPase, H+ transporting, lysosomal V1 subunit C2 (Atp6v1c2), mRNA.	Mme-M400000394	ILMN_1232274	0	0
73834	Atp6v1d	0.162	0.117	0.157	0	0	0	0	0	0	NM_023721	ATPase, H+ transporting, lysosomal V1 subunit D (Atp6v1d), mRNA.	Mme-M200006896	ILMN_2647048	0	0
11973	Atp6v1e1	-0.076	0.063	-0.105	0	0	0	0	0	0	NM_007510	VATPase, H+ transporting, lysosomal V1 subunit E1 (Atp6v1e1), mRNA.	Mme-M200006293	ILMN_2663872	0	0
74915	Atp6v1e2	-0.263	0.011	-0.025	0	0	0	0	0	0	NM_029121	ATPase, H+ transporting, lysosomal V1 subunit E2 (Atp6v1e2), mRNA.	Mme-M400004449	ILMN_2755322	0	0
66144	Atp6v1f	-0.082	-0.035	-0.127	0	0	0	0	0	0	NM_025381	ATPase, H+ transporting, lysosomal V1 subunit F (Atp6v1f), mRNA.	Mme-M300000539	ILMN_1218325	0	0
66290	Atp6v1g1	0.303	0.031	-0.194	0	0	0	0	0	0	NM_024173	ATPase, H+ transporting, lysosomal V1 subunit G1 (Atp6v1g1), mRNA.	Mme-M300011955	ILMN_2928875	0	0
66237	Atp6v1g2	0.139	0.153	0.277	0	0	0	0	0	0	NM_023179	ATPase, H+ transporting, lysosomal V1 subunit G2 (Atp6v1g2), mRNA.	Mme-M200008830	ILMN_2640082	0	0
338375	Atp6v1g3	0.150	-0.059	0.091	0	0	0	0	0	0	NM_177397	ATPase, H+ transporting, lysosomal V1 subunit G3 (Atp6v1g3), mRNA.	Mme-M300005080	ILMN_2683356	0	0
108664	Atp6v1h	0.014	0.142	-0.042	0	0	0	0	0	0	NM_133826	ATPase, H+ transporting, lysosomal V1 subunit H (Atp6v1h), mRNA.	Mme-M200005410	ILMN_2812935	0	0
11977	Atp7a	0.052	-0.023	-0.097	0	0	0	0	0	0	NM_009726	ATPase, Cu++ transporting, alpha polypeptide (Atp7a), transcript variant 2, mRNA.	Mme-M400001602	ILMN_2747430	0	0
11979	Atp7b	-0.080	0.079	0.076	0	0	0	0	0	0	NM_007511	ATPase, Cu++ transporting, beta polypeptide (Atp7b), mRNA.	Mme-M200015914	ILMN_2638192	0	0
11980	Atp8a1	-0.183	-0.126	-0.197	0	0	0	0	0	0	NM_009727	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1 (Atp8a1), transcript variant 2, mRNA.	Mme-M400009357	ILMN_1246298	0	0
50769	Atp8a2	-0.385	-0.033	-0.018	0	0	0	0	0	0	NM_015803	ATPase, aminophospholipid transporter-like, class I, type 8A, member 2 (Atp8a2), mRNA.	Mme-M400008945	ILMN_2635738	0	0
54670	Atp8b1	-0.029	0.110	-0.108	0	0	0	0	0	0	NM_001001488	ATPase, class I, type 8B, member 1 (Atp8b1), mRNA.	Mme-M300012222	ILMN_2977129	0	0
54667	Atp8b2	-0.225	0.033	0.021	0	0	0	0	0	0	NM_001081182	Atpase, class I, type 8B, member 2 (Atp8b2), mRNA.	Mme-M300005855	ILMN_2659415	0	0
67331	Atp8b3	-0.442	-0.055	-0.033	0	0	0	0	0	0	NM_026094	ATPase, class I, type 8B, member 3 (Atp8b3), mRNA.	Mme-M300000404	ILMN_2968170	0	0
241633	Atp8b4	0.090	0.092	0.040	0	0	0	0	0	0	NM_001080944	ATPase, class I, type 8B, member 4 (Atp8b4), mRNA.	Mme-M300009660	ILMN_2854054	0	0
320571	Atp8b5	-0.233	0.028	0.043	0	0	0	0	0	0	NM_177195	RIKEN cDNA 4930417M19 gene (4930417M19Rik), mRNA.	Mme-M300006097	ILMN_2707931	0	0
11981	Atp9a	0.195	0.170	-0.058	0	0	0	0	0	0	NM_015731	ATPase, class II, type 9A (Atp9a), mRNA.	Mme-M200002913	ILMN_1255220	0	0
50771	Atp9b	-0.182	0.133	-0.120	0	0	0	0	0	0	NM_015805	ATPase, class II, type 9B (Atp9b), mRNA.	Mme-M300004213	ILMN_2700425	0	0
230649	Atpaf1	0.095	-0.055	-0.045	0	0	0	0	0	0	NM_181040	ATP synthase mitochondrial F1 complex assembly factor 1 (Atpaf1), nuclear gene encoding mitochondrial protei	Mme-M400001109	ILMN_1258359	0	0
246782	Atpaf2	0.170	0.066	-0.100	0	0	0	0	0	0	NM_145427	ATP synthase mitochondrial F1 complex assembly factor 2 (Atpaf2), nuclear gene encoding mitochondrial protei	Mme-M300013845	ILMN_2959285	0	0
11983	Atpif1	0.137	-0.028	-0.089	0	0	0	0	0	0	NM_007512	ATPase inhibitory factor 1 (Atpif1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400004809	ILMN_1250068	0	0
381629	Atraid	0.241	0.052	-0.232	0	0	0	0	0	0	NM_212470	RIKEN cDNA 0610007C21 gene (0610007C21Rik), transcript variant 2, mRNA.	Mme-M400012667	ILMN_1230777	0	0
235610	Atrip	-0.073	0.146	-0.055	0	0	0	0	0	0	NM_172774	RIKEN cDNA 6620401K05 gene (6620401K05Rik), mRNA.	Mme-M300004718	ILMN_1225014	0	0
11990	Atrn	-0.055	-0.255	-0.101	0	0	0	0	0	0	NM_009730	attractin (Atrn), mRNA.	Mme-M300005576	ILMN_1254383	0	0
226255	Atrnl1	-0.506	0.003	0.032	0	0	0	0	0	0	NM_181415	attractin like 1 (Atrnl1), mRNA.	Mme-M300004478	ILMN_1217254	0	0
22589	Atrx	0.177	-0.298	-0.045	0	0	0	0	0	0	NM_009530	alpha thalassemia/mental retardation syndrome X-linked homolog (human) (Atrx), mRNA.	Mme-M400014112	ILMN_2664654	0	0
20238	Atxn1	-0.043	0.114	-0.403	0	0	-1	0	0	0	NM_009124	ataxin 1 (Atxn1), mRNA.	Mme-M400003219	ILMN_1254409	0	0
54138	Atxn10	-0.025	0.021	-0.152	0	0	0	0	0	0	NM_016843	ataxin 10 (Atxn10), mRNA.	Mme-M200001593	ILMN_2771326	0	0
20239	Atxn2	0.148	-0.092	0.103	0	0	0	0	0	0	NM_009125	ataxin 2 (Atxn2), mRNA.	Mme-M300016114	ILMN_3136056	0	0
233871	Atxn2l	0.159	0.066	0.079	0	0	0	0	0	0	NM_183020	ataxin 2-like (Atxn2l), mRNA.	Mme-M300008359	ILMN_1241354	0	0
110616	Atxn3	-0.064	-0.125	0.148	0	0	0	0	0	0	NM_029705	ataxin 3 (Atxn3), mRNA.	Mme-M300002610	ILMN_2813284	0	0
246103	Atxn7	0.163	-0.257	0.098	0	0	0	0	0	0	NM_139227	ataxin 7 (Atxn7), mRNA.	Mme-M400015070	ILMN_2491824	0	0
380753	Atxn7l1	0.197	0.026	-0.061	0	0	0	0	0	0	NM_001033436	ataxin 7-like 1 (Atxn7l1), mRNA.	Mme-M300002242	ILMN_3160468	0	0
72522	Atxn7l2	-0.087	-0.005	-0.164	0	0	0	0	0	0	NM_175183	ataxin 7-like 2 (Atxn7l2), mRNA.	Mme-M300019766	ILMN_2783940	0	0
217218	Atxn7l3	-0.005	0.141	-0.069	0	0	0	0	0	0	NM_001098837	ataxin 7-like 3 (Atxn7l3), transcript variant 2, mRNA.	Mme-M400019442	ILMN_1247327	0	0
382423	Atxn7l3b	0.078	-0.158	-0.042	0	0	0	0	0	0	NM_001033474	RIKEN cDNA 4921506J03 gene (4921506J03Rik), mRNA.	Mme-M400013353	ILMN_2541863	0	0
385493	AU015836	-0.155	0.028	-0.055	0	0	0	0	0	0	XR_035182	PREDICTED: expressed sequence AU015836 (AU015836), misc RNA.	Mme-M400005352	ILMN_2540556	0	0
245128	AU018091	-0.131	-0.110	0.075	0	0	0	0	0	0	NM_001004153	expressed sequence AU018091 (AU018091), mRNA.	Mme-M400004929	ILMN_2988979	0	0
270156	AU019823	-0.445	-0.075	0.070	0	0	0	0	0	0	NM_212449	expressed sequence AU019823 (AU019823), mRNA.	Mme-M400006970	ILMN_2875915	0	0
239691	AU021092	0.079	-0.362	-0.097	0	0	0	0	0	0	NM_001033220	expressed sequence AU021092 (AU021092), mRNA.	Mme-M400003857	ILMN_2825905	0	0
100317	AU040320	-0.132	0.127	-0.058	0	0	0	0	0	0	NM_001035525	expressed sequence AU040320 (AU040320), transcript variant 2, mRNA.	Mme-M300006318	ILMN_3097151	0	0
11992	Auh	0.103	-0.017	-0.004	0	0	0	0	0	0	NM_016709	AU RNA binding protein/enoyl-coenzyme A hydratase (Auh), nuclear gene encoding mitochondrial protein, mRN	Mme-M300002775	ILMN_2666956	0	0
69885	Aunip	0.033	0.102	-0.067	0	0	0	0	0	0	NM_001081099	RIKEN cDNA 2610002D18 gene (2610002D18Rik), mRNA.	Mme-M300010881	ILMN_1221445	0	0
11993	Aup1	-0.087	0.112	0.150	0	0	0	0	0	0	NM_007517	ancient ubiquitous protein (Aup1), mRNA.	Mme-M300000099	ILMN_1252199	0	0
20878	Aurka	0.001	0.057	0.081	0	0	0	0	0	0	NM_011497	aurora kinase A (Aurka), mRNA.	Mme-M300005666	ILMN_2617228	0	0
66077	Aurkaip1	0.038	-0.062	-0.082	0	0	0	0	0	0	NM_025338	aurora kinase A interacting protein 1 (Aurkaip1), mRNA.	Mme-M400011472	ILMN_2603581	0	0
20877	Aurkb	-0.151	0.287	0.107	0	0	0	0	0	0	NM_011496	aurora kinase B (Aurkb), mRNA.	Mme-M300002450	ILMN_1239230	0	0
20871	Aurkc	-0.080	0.058	0.015	0	0	0	0	0	0	NM_001080965	aurora kinase C (Aurkc), transcript variant 1, mRNA.	Mme-M400003185	ILMN_2725246	0	0
319974	Auts2	0.228	-0.169	-0.195	0	0	0	0	0	0	NM_177047	autism susceptibility candidate 2 (Auts2), mRNA.	Mme-M400005694	ILMN_1250157	0	0
331531	AV320801	0.073	-0.014	0.020	0	0	0	0	0	0	NM_177918	expressed sequence AV320801 (AV320801), mRNA.	Mme-M400005009	ILMN_2733241	0	0
74268	Aven	0.063	-0.176	0.155	0	0	0	0	0	0	NM_028844	apoptosis, caspase activation inhibitor (Aven), mRNA.	Mme-M200016401	ILMN_2919343	0	0
11567	Avil	-0.069	0.076	0.023	0	0	0	0	0	0	NM_009635	advillin (Avil), mRNA.	Mme-M200002988	ILMN_2753149	0	0
78937	Avl9	0.020	-0.137	0.074	0	0	0	0	0	0	XM_132538	PREDICTED: RIKEN cDNA 5830411G16 gene, transcript variant 1 (5830411G16Rik), mRNA.	Mme-M300006874	ILMN_1233082	0	0
11998	Avp	0.007	-0.954	-0.068	0	-1	0	0	-1	0	NM_009732	arginine vasopressin (Avp), mRNA.	Mme-M200002300	ILMN_2710928	0	1
69534	Avpi1	-0.114	-0.135	-0.143	0	0	0	0	0	0	NM_027106	arginine vasopressin-induced 1 (Avpi1), mRNA.	Mme-M300001735	ILMN_2813186	0	0
54140	Avpr1a	-0.057	0.141	-0.060	0	0	0	0	0	0	NM_016847	arginine vasopressin receptor 1A (Avpr1a), mRNA.	Mme-M200001697	ILMN_1242999	0	0
26361	Avpr1b	-0.380	-0.031	-0.067	0	0	0	0	0	0	NM_011924	arginine vasopressin receptor 1B (Avpr1b), mRNA.	Mme-M200016066	ILMN_2667432	0	0
12000	Avpr2	0.126	-0.063	0.064	0	0	0	0	0	0	NM_019404	arginine vasopressin receptor 2 (Avpr2), mRNA.	Mme-M300007698	ILMN_2604189	0	0
106064	AW549877	0.147	0.030	-0.059	0	0	0	0	0	0	NM_145930	expressed sequence AW549877 (AW549877), mRNA.	Mme-M400002567	ILMN_1237132	0	0
244810	AW551984	-0.126	0.413	-0.326	0	0	-1	0	0	0	NM_178737	expressed sequence AW551984 (AW551984), mRNA.	Mme-M300011348	ILMN_2721980	0	0
225289	AW554918	0.236	-0.064	0.077	0	0	0	0	0	0	NM_001033532	expressed sequence AW554918 (AW554918), mRNA.	Mme-M300008869	ILMN_1234903	0	0
245532	Awat2	0.058	0.046	-0.124	0	0	0	0	0	0	NM_177746	diacylglycerol O-acyltransferase 2-like 4 (Dgat2l4), mRNA.	Mme-M300007620	ILMN_1215115	0	0
12005	Axin1	0.118	-0.298	-0.123	0	0	0	0	0	0	NM_009733	axin 1 (Axin1), mRNA.	Mme-M300003960	ILMN_1217662	0	0
12006	Axin2	0.046	0.124	-0.188	0	0	0	0	0	0	NM_015732	axin2 (Axin2), mRNA.	Mme-M300000019	ILMN_2896314	0	0
26362	Axl	0.144	0.242	-0.031	0	0	0	0	0	0	NM_009465	AXL receptor tyrosine kinase (Axl), mRNA.	Mme-M300000324	ILMN_2651715	0	0
246735	AY074887	-0.009	0.090	0.051	0	0	0	0	0	0	NM_145229	cDNA sequence AY074887 (AY074887), mRNA.	Mme-M200012266	ILMN_2598061	0	0
278676	AY358078	-0.291	-0.129	-0.021	0	0	0	0	0	0	NM_194347	cDNA sequence AY358078 (AY358078), mRNA.	Mme-M400003760	ILMN_2525771	0	0
382000	AY761184	0.024	-0.004	-0.014	0	0	0	0	0	0	NM_001007582	cDNA sequence AY761184 (AY761184), mRNA.	Mme-M400006415	ILMN_2757031	0	0
503692	Aym1	-0.186	-0.072	0.072	0	0	0	0	0	0	NM_001012726	activator of yeast meiotic promoters 1 (Aym1), mRNA.	Mme-M400004623	ILMN_3162325	0	0
12007	Azgp1	-0.124	-0.475	-0.070	0	-1	0	0	0	0	NM_013478	alpha-2-glycoprotein 1, zinc (Azgp1), mRNA.	Mme-M200006812	ILMN_2837080	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
27215	Azi2	0.210	0.059	-0.029	0	0	0	0	0	0	NM_013727	5-azacytidine induced gene 2 (Azi2), transcript variant 1, mRNA.	Mme-M400015587	ILMN_3082580	0	0
54375	Azin1	0.030	0.006	0.046	0	0	0	0	0	0	NM_018745	antizyme inhibitor 1 (Azin1), transcript variant 2, mRNA.	Mme-M200002425	ILMN_1238799	0	0
242669	Azin2	0.065	0.116	0.085	0	0	0	0	0	0	NM_172875	arginine decarboxylase (Adc), mRNA.	Mme-M300006295	ILMN_2608997	0	0
545662	B020004J07Rik	0.049	-0.104	0.074	0	0	0	0	0	0	NM_001033790	RIKEN cDNA B020004J07 gene (B020004J07Rik), mRNA.	Mme-M400001769	ILMN_1242047	0	0
333467	B020031M17Rik	-0.125	0.004	0.032	0	0	0	0	0	0	NM_001033769	RIKEN cDNA B020031M17 gene (B020031M17Rik), mRNA.	Mme-M400009682	ILMN_2997625	0	0
436015	B130016D09Rik	-0.098	-0.016	-0.002	0	0	0	0	0	0	XM_001473558	PREDICTED: predicted gene, ENSMUSG00000038442 (ENSMUSG00000038442), mRNA.	Mme-M400002135	ILMN_1254623	0	0
68170	B230118H07Rik	0.099	-0.042	-0.011	0	0	0	0	0	0	NM_026592	RIKEN cDNA B230118H07 gene (B230118H07Rik), mRNA.	Mme-M200009929	ILMN_2726101	0	0
320871	B230206H07Rik	0.002	0.043	0.292	0	0	0	0	0	0	NM_177280	RIKEN cDNA B230206H07 gene (B230206H07Rik), mRNA.	Mme-M300022320	ILMN_2981623	0	0
319552	B230216G23Rik	0.016	0.072	0.114	0	0	0	0	0	0	XM_620381	PREDICTED: RIKEN cDNA B230216G23 gene (B230216G23Rik), mRNA.	Mme-M300013284	ILMN_2481643	0	0
68127	B230217C12Rik	0.236	0.100	-0.025	0	0	0	0	0	0	NM_001080935	RIKEN cDNA B230217C12 gene (B230217C12Rik), mRNA.	Mme-M200008773	ILMN_3040617	0	0
78521	B230219D22Rik	0.183	0.087	-0.058	0	0	0	0	0	0	NM_181278	RIKEN cDNA B230219D22 gene (B230219D22Rik), mRNA.	Mme-M200006009	ILMN_2847869	0	0
381914	B230311B06Rik	-0.148	-0.099	-0.021	0	0	0	0	0	0	XM_001001884	PREDICTED: RIKEN cDNA B230311B06 gene (B230311B06Rik), mRNA.	Mme-M400006020	ILMN_1236437	0	0
320383	B230317F23Rik	0.062	-0.084	-0.031	0	0	0	0	0	0	XR_035255	PREDICTED: RIKEN cDNA B230317F23 gene (B230317F23Rik), misc RNA.	Mme-M300016679	ILMN_2701046	0	0
12010	B2m	0.468	0.091	0.188	0	0	0	0	0	0	NM_009735	beta-2 microglobulin (B2m), mRNA.	Mme-M300008745	ILMN_2739999	0	0
320456	B330016D10Rik	0.166	0.005	-0.030	0	0	0	0	0	0	XR_035407	PREDICTED: RIKEN cDNA B330016D10 gene (B330016D10Rik), misc RNA.	Mme-M400012380	ILMN_2732873	0	0
26879	B3galnt1	0.046	0.231	0.104	0	0	0	0	0	0	NM_020026	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 1 (B3galnt1), mRNA.	Mme-M200009692	ILMN_2805714	0	0
97884	B3galnt2	0.085	-0.081	0.143	0	0	0	0	0	0	NM_178640	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2 (B3galnt2), mRNA.	Mme-M300012056	ILMN_1220974	0	0
26877	B3galt1	0.098	-0.144	0.237	0	0	0	0	0	0	NM_020283	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1 (B3galt1), mRNA.	Mme-M400013460	ILMN_2441400	0	0
26878	B3galt2	0.222	-0.071	-0.096	0	0	0	0	0	0	NM_020025	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2 (B3galt2), mRNA.	Mme-M200008954	ILMN_2610493	0	0
54218	B3galt4	0.087	0.127	0.059	0	0	0	0	0	0	NM_019420	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 (B3galt4), mRNA.	Mme-M400011305	ILMN_2632971	0	0
93961	B3galt5	-0.326	-0.090	-0.002	0	0	0	0	0	0	NM_033149	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 (B3galt5), transcript variant 1, mRNA.	Mme-M200009796	ILMN_1245509	0	0
117592	B3galt6	0.081	-0.071	0.001	0	0	0	0	0	0	NM_080445	UDP-Gal:betaGal beta 1,3-galactosyltransferase, polypeptide 6 (B3galt6), mRNA.	Mme-M400003733	ILMN_2488783	0	0
76898	B3gat1	0.271	0.755	0.182	0	1	0	0	1	0	NM_029792	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3gat1), mRNA.	Mme-M400003097	ILMN_2853122	1	0
280645	B3gat2	0.029	0.085	0.045	0	0	0	0	0	0	NM_172124	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S) (B3gat2), mRNA.	Mme-M300004965	ILMN_2669708	0	0
72727	B3gat3	-0.162	0.087	0.118	0	0	0	0	0	0	NM_024256	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) (B3gat3), mRNA.	Mme-M200000096	ILMN_2845045	0	0
381694	B3glct	-0.052	0.054	-0.021	0	0	0	0	0	0	NM_001081204	beta 1,3-galactosyltransferase-like (B3galtl), mRNA.	Mme-M400003945	ILMN_1252289	0	0
53625	B3gnt2	0.001	-0.065	-0.050	0	0	0	0	0	0	NM_016888	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 (B3gnt2), mRNA.	Mme-M300022267	ILMN_2632758	0	0
72297	B3gnt3	-0.206	0.094	0.046	0	0	0	0	0	0	NM_028189	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3 (B3gnt3), mRNA.	Mme-M400011633	ILMN_2907972	0	0
231727	B3gnt4	-0.074	-0.030	0.043	0	0	0	0	0	0	NM_198611	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4 (B3gnt4), mRNA.	Mme-M300006676	ILMN_2704979	0	0
108105	B3gnt5	-0.198	-0.025	0.150	0	0	0	0	0	0	NM_054052	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 (B3gnt5), mRNA.	Mme-M200007449	ILMN_1216368	0	0
272411	B3gnt6	-0.363	0.062	-0.024	0	0	0	0	0	0	NM_001081167	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase) (B3gnt6), mRNA.	Mme-M300015615	ILMN_2848444	0	0
227327	B3gnt7	-0.295	0.063	0.052	0	0	0	0	0	0	NM_145222	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 (B3gnt7), mRNA.	Mme-M400003287	ILMN_2655571	0	0
232984	B3gnt8	-0.203	-0.113	-0.115	0	0	0	0	0	0	NM_001036740	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8 (B3gnt8), transcript variant 2, mRNA.	Mme-M300020671	ILMN_3149776	0	0
97440	B3gnt9	0.346	-0.062	-0.339	0	0	-1	0	0	0	NM_178879	expressed sequence C76566 (C76566), mRNA.	Mme-M300022056	ILMN_2707107	0	0
210004	B3gntl1	-0.103	0.098	-0.092	0	0	0	0	0	0	NM_178664	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1 (B3gntl1), mRNA.	Mme-M200015876	ILMN_2624397	0	0
320148	B430306N03Rik	-0.266	0.093	0.100	0	0	0	0	0	0	NM_177083	RIKEN cDNA B430306N03 gene (B430306N03Rik), mRNA.	Mme-M300014802	ILMN_2733567	0	0
14422	B4galnt2	-0.062	-0.081	0.008	0	0	0	0	0	0	NM_008081	beta-1,4-N-acetyl-galactosaminyl transferase 2 (B4galnt2), mRNA.	Mme-M200001063	ILMN_2879681	0	0
330406	B4galnt3	0.162	-0.082	-0.119	0	0	0	0	0	0	NM_198884	beta-1,4-N-acetyl-galactosaminyl transferase 3 (B4galnt3), mRNA.	Mme-M300013144	ILMN_2760009	0	0
330671	B4galnt4	-0.140	0.162	-0.134	0	0	0	0	0	0	NM_177897	beta-1,4-N-acetyl-galactosaminyl transferase 4 (B4galnt4), mRNA.	Mme-M300011718	ILMN_2789862	0	0
14595	B4galt1	0.456	0.179	-0.029	0	0	0	0	0	0	NM_022305	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 (B4galt1), mRNA.	Mme-M300006081	ILMN_2667369	0	0
53418	B4galt2	-0.093	-0.069	0.215	0	0	0	0	0	0	NM_017377	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2 (B4galt2), mRNA.	Mme-M200005325	ILMN_2715436	0	0
57370	B4galt3	-0.273	-0.091	-0.036	0	0	0	0	0	0	NM_020579	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 3 (B4galt3), mRNA.	Mme-M200002399	ILMN_2930764	0	0
56375	B4galt4	-0.093	-0.037	0.003	0	0	0	0	0	0	NM_019804	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4 (B4galt4), mRNA.	Mme-M300003505	ILMN_2704347	0	0
56336	B4galt5	0.101	0.070	-0.137	0	0	0	0	0	0	NM_019835	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4galt5), mRNA.	Mme-M200015439	ILMN_2641660	0	0
56386	B4galt6	-0.257	-0.110	-0.137	0	0	0	0	0	0	NM_019737	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6 (B4galt6), mRNA.	Mme-M400005406	ILMN_1250019	0	0
218271	B4galt7	0.041	0.133	0.090	0	0	0	0	0	0	NM_146045	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I) (B4galt7), mRNA.	Mme-M300002789	ILMN_2754594	0	0
108902	B4gat1	0.133	-0.093	-0.049	0	0	0	0	0	0	NM_175383	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3gnt1), mRNA.	Mme-M200006570	ILMN_1257876	0	0
101148	B630005N14Rik	0.075	0.026	-0.095	0	0	0	0	0	0	NM_175312	RIKEN cDNA B630005N14 gene (B630005N14Rik), mRNA.	Mme-M300013856	ILMN_1230054	0	0
102941	B630019K06Rik	0.008	0.007	-0.128	0	0	0	0	0	0	NM_175327	RIKEN cDNA B630019K06 gene (B630019K06Rik), mRNA.	Mme-M400004090	ILMN_1222840	0	0
230991	B930041F14Rik	0.056	-0.189	-0.188	0	0	0	0	0	0	NM_178699	RIKEN cDNA B930041F14 gene (B930041F14Rik), mRNA.	Mme-M400012891	ILMN_1250201	0	0
27078	B9d1	0.184	0.020	-0.131	0	0	0	0	0	0	NM_013717	B9 protein domain 1 (B9d1), mRNA.	Mme-M200007973	ILMN_2713969	0	0
73216	B9d1os	-0.205	0.014	0.010	0	0	0	0	0	0	XM_001476479	PREDICTED: RIKEN cDNA 3110043A19 gene (3110043A19Rik), mRNA.	Mme-M400007287	ILMN_2655625	0	0
232987	B9d2	0.203	-0.171	0.012	0	0	0	0	0	0	NM_172148	B9 protein domain 2 (B9d2), mRNA.	Mme-M400008276	ILMN_2760226	0	0
118452	Baalc	0.106	0.169	-0.023	0	0	0	0	0	0	NM_080640	brain and acute leukemia, cytoplasmic (Baalc), mRNA.	Mme-M400008091	ILMN_1240833	0	0
12012	Baat	-0.031	0.033	0.033	0	0	0	0	0	0	NM_007519	bile acid-Coenzyme A: amino acid N-acyltransferase (Baat), mRNA.	Mme-M200001087	ILMN_1259009	0	0
68251	Babam1	0.134	0.142	-0.113	0	0	0	0	0	0	NM_026636	RIKEN cDNA 5430437P03 gene (5430437P03Rik), mRNA.	Mme-M200004206	ILMN_2801798	0	0
23821	Bace1	0.034	-0.111	0.032	0	0	0	0	0	0	NM_011792	beta-site APP cleaving enzyme 1 (Bace1), mRNA.	Mme-M200004770	ILMN_1217842	0	0
56175	Bace2	0.199	0.130	0.100	0	0	0	0	0	0	NM_019517	beta-site APP-cleaving enzyme 2 (Bace2), mRNA.	Mme-M200005841	ILMN_2831799	0	0
12013	Bach1	0.015	-0.341	0.696	0	0	1	0	0	1	NM_007520	BTB and CNC homology 1 (Bach1), mRNA.	Mme-M200002201	ILMN_2741677	1	0
12014	Bach2	0.163	0.063	-0.134	0	0	0	0	0	0	NM_007521	BTB and CNC homology 2 (Bach2), transcript variant 2, mRNA.	Mme-M300012582	ILMN_2819558	0	0
12015	Bad	-0.176	0.052	-0.040	0	0	0	0	0	0	NM_007522	Bcl-associated death promoter (Bad), mRNA.	Mme-M200001718	ILMN_1216802	0	0
12017	Bag1	0.037	-0.206	0.054	0	0	0	0	0	0	NM_009736	Bcl2-associated athanogene 1 (Bag1), mRNA.	Mme-M200000245	ILMN_2712018	0	0
213539	Bag2	0.190	-0.072	0.073	0	0	0	0	0	0	NM_145392	Bcl2-associated athanogene 2 (Bag2), mRNA.	Mme-M200009015	ILMN_1234419	0	0
29810	Bag3	-0.100	0.058	-0.007	0	0	0	0	0	0	NM_013863	Bcl2-associated athanogene 3 (Bag3), mRNA.	Mme-M200005970	ILMN_1226195	0	0
67384	Bag4	-0.308	-0.352	-0.064	0	0	0	0	0	0	NM_026121	BCL2-associated athanogene 4 (Bag4), mRNA.	Mme-M300010866	ILMN_2607892	0	0
70369	Bag5	0.123	0.089	-0.191	0	0	0	0	0	0	NM_027404	BCL2-associated athanogene 5 (Bag5), mRNA.	Mme-M200014073	ILMN_3106819	0	0
224727	Bag6	-0.350	-0.076	-0.112	0	0	0	0	0	0	NM_057171	HLA-B-associated transcript 3 (Bat3), mRNA.	Mme-M300004104	ILMN_2736975	0	0
268515	Bahcc1	-0.161	-0.122	-0.229	0	0	0	0	0	0	NM_198423	BAH domain and coiled-coil containing 1 (Bahcc1), mRNA.	Mme-M300012340	ILMN_1242613	0	0
228536	Bahd1	-0.198	0.116	0.048	0	0	0	0	0	0	NM_001045523	bromo adjacent homology domain containing 1 (Bahd1), mRNA.	Mme-M300012482	ILMN_1256046	0	0
210933	Bai3	0.079	-0.034	-0.168	0	0	0	0	0	0	NM_175642	brain-specific angiogenesis inhibitor 3 (Bai3), mRNA.	Mme-M300008836	ILMN_2752639	0	0
108100	Baiap2	0.221	-0.072	-0.108	0	0	0	0	0	0	NM_001037754	brain-specific angiogenesis inhibitor 1-associated protein 2 (Baiap2), transcript variant 3, mRNA.	Mme-M300004607	ILMN_3163374	0	0
66898	Baiap2l1	-0.003	-0.157	-0.086	0	0	0	0	0	0	NM_025833	BAI1-associated protein 2-like 1 (Baiap2l1), mRNA.	Mme-M300011814	ILMN_2665609	0	0
207495	Baiap2l2	-0.191	0.039	0.031	0	0	0	0	0	0	NM_177580	BAI1-associated protein 2-like 2 (Baiap2l2), mRNA.	Mme-M300001636	ILMN_1215537	0	0
12018	Bak1	0.183	0.096	-0.019	0	0	0	0	0	0	NM_007523	BCL2-antagonist/killer 1 (Bak1), mRNA.	Mme-M300003980	ILMN_2945835	0	0
68010	Bambi	-0.170	0.052	-0.014	0	0	0	0	0	0	NM_026505	BMP and activin membrane-bound inhibitor, homolog (Xenopus laevis) (Bambi), mRNA.	Mme-M200007135	ILMN_2774722	0	0
23825	Banf1	0.072	0.341	-0.176	0	0	0	0	0	0	NM_011793	barrier to autointegration factor 1 (Banf1), transcript variant 1, mRNA.	Mme-M200002560	ILMN_2685806	0	0
403171	Banf2	-0.180	0.041	-0.012	0	0	0	0	0	0	NM_001044750	barrier to autointegration factor 2 (Banf2), transcript variant 2, mRNA.	Mme-M300010860	ILMN_3105680	0	0
242248	Bank1	-0.019	0.124	0.121	0	0	0	0	0	0	NM_001033350	B-cell scaffold protein with ankyrin repeats 1 (Bank1), mRNA.	Mme-M300011222	ILMN_2674940	0	0
53325	Banp	0.111	-0.071	-0.056	0	0	0	0	0	0	NM_001110100	Btg3 associated nuclear protein (Banp), transcript variant 1, mRNA.	Mme-M200001403	ILMN_1229817	0	0
104416	Bap1	-0.033	0.122	0.018	0	0	0	0	0	0	NM_027088	Brca1 associated protein 1 (Bap1), mRNA.	Mme-M200001448	ILMN_2749866	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12021	Bard1	-0.149	0.032	0.003	0	0	0	0	0	0	NM_007525	BRCA1 associated RING domain 1 (Bard1), mRNA.	Mme-M200002998	ILMN_1242054	0	0
54422	Barhl1	0.081	-0.020	0.042	0	0	0	0	0	0	NM_019446	BarH-like 1 (Drosophila) (Barhl1), mRNA.	Mme-M200004116	ILMN_2822107	0	0
104382	Barhl2	0.096	-0.097	0.042	0	0	0	0	0	0	NM_001005477	BarH-like 2 (Drosophila) (Barhl2), mRNA.	Mme-M300009318	ILMN_1257175	0	0
12022	Barx1	-0.396	0.205	-0.102	0	0	0	0	0	0	NM_007526	BarH-like homeobox 1 (Barx1), mRNA.	Mme-M200013941	ILMN_1259956	0	0
12023	Barx2	-0.087	0.059	-0.013	0	0	0	0	0	0	NM_013800	BarH-like homeobox 2 (Barx2), mRNA.	Mme-M200001368	ILMN_2437728	0	0
70350	Basp1	0.096	-0.398	-0.099	0	0	0	0	0	0	NM_027395	brain abundant, membrane attached signal protein 1 (Basp1), mRNA.	Mme-M300016694	ILMN_2611812	0	0
53314	Batf	0.170	0.419	-0.003	0	0	0	0	0	0	NM_016767	basic leucine zipper transcription factor, ATF-like (Batf), mRNA.	Mme-M200002408	ILMN_2761900	0	0
74481	Batf2	0.486	1.188	0.112	0	1	0	0	1	0	NM_028967	basic leucine zipper transcription factor, ATF-like 2 (Batf2), mRNA.	Mme-M200010766	ILMN_1230143	1	0
381319	Batf3	-0.029	0.314	-0.041	0	0	0	0	0	0	NM_030060	basic leucine zipper transcription factor, ATF-like 3 (Batf3), mRNA.	Mme-M200002454	ILMN_2526739	0	0
12028	Bax	0.115	0.190	-0.013	0	0	0	0	0	0	NM_007527	Bcl2-associated X protein (Bax), mRNA.	Mme-M200003784	ILMN_2907655	0	0
22385	Baz1b	-0.086	-0.078	0.091	0	0	0	0	0	0	NM_011714	bromodomain adjacent to zinc finger domain, 1B (Baz1b), mRNA.	Mme-M200008275	ILMN_2793270	0	0
116848	Baz2a	0.044	-0.101	0.636	0	0	1	0	0	1	NM_054078	bromodomain adjacent to zinc finger domain, 2A (Baz2a), mRNA.	Mme-M200012957	ILMN_2652385	1	0
407823	Baz2b	0.120	-0.271	0.045	0	0	0	0	0	0	NM_001001182	bromodomain adjacent to zinc finger domain, 2B (Baz2b), mRNA.	Mme-M300005421	ILMN_2523119	0	0
434285	BB014433	-0.062	-0.063	0.058	0	0	0	0	0	0	NM_001007591	expressed sequence BB014433 (BB014433), mRNA.	Mme-M400003485	ILMN_2926002	0	0
100043173	BB114814	0.113	-0.281	-0.014	0	0	0	0	0	0	XM_001479673	PREDICTED: similar to hCG2040007 (LOC100043173), mRNA.	Mme-M400001316	ILMN_1250988	0	0
170770	Bbc3	-0.070	-0.316	-0.146	0	0	0	0	0	0	NM_133234	Bcl-2 binding component 3 (Bbc3), mRNA.	Mme-M400000048	ILMN_2920736	0	0
170442	Bbox1	0.013	0.157	-0.127	0	0	0	0	0	0	NM_130452	butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (gamma-butyrobetaine hydroxylase) (Bbox1), mRNA.	Mme-M200005511	ILMN_2686029	0	0
52028	Bbs1	-0.471	0.034	-0.060	0	0	0	0	0	0	NM_001033128	Bardet-Biedl syndrome 1 homolog (human) (Bbs1), mRNA.	Mme-M300000811	ILMN_1237390	0	0
71769	Bbs10	-0.248	0.017	-0.010	0	0	0	0	0	0	XM_125817	PREDICTED: Bardet-Biedl syndrome 10 (human), transcript variant 1 (Bbs10), mRNA.	Mme-M200014224	ILMN_1217075	0	0
241950	Bbs12	-0.714	-0.053	0.107	-1	0	0	0	0	0	NM_001008502	Bardet-Biedl syndrome 12 (human) (Bbs12), mRNA.	Mme-M400003822	ILMN_3160683	0	0
67378	Bbs2	0.050	-0.167	0.174	0	0	0	0	0	0	NM_026116	Bardet-Biedl syndrome 2 homolog (human) (Bbs2), mRNA.	Mme-M200005787	ILMN_1253752	0	0
102774	Bbs4	-0.111	0.039	-0.030	0	0	0	0	0	0	NM_175325	Bardet-Biedl syndrome 4 homolog (human) (Bbs4), mRNA.	Mme-M300004526	ILMN_2726448	0	0
72569	Bbs5	0.124	0.000	0.060	0	0	0	0	0	0	NM_028284	Bardet-Biedl syndrome 5 (human) (Bbs5), mRNA.	Mme-M200016384	ILMN_3162388	0	0
71492	Bbs7	0.228	0.078	-0.096	0	0	0	0	0	0	NM_027810	Bardet-Biedl syndrome 7 (Bbs7), mRNA.	Mme-M300010870	ILMN_2656511	0	0
319845	Bbs9	0.038	-0.123	-0.006	0	0	0	0	0	0	NM_181316	Bardet-Biedl syndrome 9 (Bbs9), mRNA.	Mme-M300010145	ILMN_2634728	0	0
70508	Bbx	0.128	-0.368	-0.149	0	0	0	0	0	0	NM_027444	bobby sox homolog (Drosophila) (Bbx), mRNA.	Mme-M200011976	ILMN_1222069	0	0
214489	BC003965	0.035	-0.022	-0.002	0	0	0	0	0	0	XM_128528	PREDICTED: cDNA sequence BC003965 (BC003965), mRNA.	Mme-M400004377	ILMN_2760295	0	0
80748	BC004004	0.288	0.023	-0.140	0	0	0	0	0	0	NM_030561	cDNA sequence BC004004 (BC004004), mRNA.	Mme-M400004220	ILMN_1252183	0	0
79555	BC005537	-0.056	-0.038	0.112	0	0	0	0	0	0	NM_024473	cDNA sequence BC005537 (BC005537), mRNA.	Mme-M400011467	ILMN_1227295	0	0
227707	BC005624	-0.102	0.070	-0.094	0	0	0	0	0	0	NM_144885	cDNA sequence BC005624 (BC005624), mRNA.	Mme-M300005349	ILMN_2763077	0	0
216152	BC005764	-0.578	-0.113	0.086	0	0	0	0	0	0	NM_181681	cDNA sequence BC005764 (BC005764), mRNA.	Mme-M300010107	ILMN_2709001	0	0
212998	BC016579	0.035	0.060	-0.060	0	0	0	0	0	0	NM_145389	cDNA sequence, BC016579 (BC016579), mRNA.	Mme-M300008628	ILMN_2681156	0	0
233913	BC017158	0.228	-0.044	-0.173	0	0	0	0	0	0	NM_145590	cDNA sequence BC017158 (BC017158), mRNA.	Mme-M200008128	ILMN_1249131	0	0
217370	BC017643	0.200	0.193	0.070	0	0	0	0	0	0	NM_144832	cDNA sequence BC017643 (BC017643), mRNA.	Mme-M200005451	ILMN_1255776	0	0
193217	BC018473	-0.053	0.113	0.101	0	0	0	0	0	0	NR_003364	cDNA sequence BC018473 (BC018473) on chromosome 11.	Mme-M400005384	ILMN_1257767	0	0
225884	BC021614	0.102	0.302	-0.042	0	0	0	0	0	0	NM_144869	cDNA sequence BC021614 (BC021614), mRNA.	Mme-M200005388	ILMN_2591342	0	0
215928	BC021785	-0.232	-0.043	0.009	0	0	0	0	0	0	NM_001113388	cDNA sequence BC021785 (BC021785), transcript variant 3, mRNA.	Mme-M400002146	ILMN_2424950	0	0
234878	BC021891	-0.101	-0.311	0.078	0	0	0	0	0	0	NM_145608	cDNA sequence BC021891 (BC021891), mRNA.	Mme-M200013428	ILMN_2588383	0	0
217887	BC022687	0.164	0.109	-0.017	0	0	0	0	0	0	NM_145450	cDNA sequence BC022687 (BC022687), mRNA.	Mme-M200014163	ILMN_2631663	0	0
236848	BC023829	0.014	0.070	0.013	0	0	0	0	0	0	NM_001033328	cDNA sequence BC023829 (BC023829), mRNA.	Mme-M300007604	ILMN_2612616	0	0
223631	BC025446	-0.049	-0.048	0.054	0	0	0	0	0	0	XR_035099	PREDICTED: cDNA sequence BC025446 (BC025446), misc RNA.	Mme-M400003339	ILMN_2915833	0	0
226527	BC026585	-0.072	0.046	0.033	0	0	0	0	0	0	NM_001033284	cDNA sequence BC026585 (BC026585), mRNA.	Mme-M300008800	ILMN_1221257	0	0
225004	BC027072	-0.136	0.081	0.040	0	0	0	0	0	0	NM_146082	cDNA sequence BC027072 (BC027072), mRNA.	Mme-M300015397	ILMN_1236750	0	0
212547	BC027231	-0.040	0.055	0.100	0	0	0	0	0	0	NM_145972	cDNA sequence BC027231 (BC027231), mRNA.	Mme-M300010281	ILMN_2913269	0	0
229600	BC028528	-0.334	0.266	0.139	0	0	0	0	0	0	NM_153513	cDNA sequence BC028528 (BC028528), mRNA.	Mme-M300011618	ILMN_2656422	0	0
227622	BC029214	0.114	0.014	-0.166	0	0	0	0	0	0	NM_153557	cDNA sequence BC029214 (BC029214), mRNA.	Mme-M400003323	ILMN_2768209	0	0
103220	BC030307	-0.343	0.015	0.094	0	0	0	0	0	0	NM_153595	cDNA sequence BC030307 (BC030307), transcript variant 2, mRNA.	Mme-M400012202	ILMN_3117650	0	0
233812	BC030336	0.167	-0.101	-0.094	0	0	0	0	0	0	XM_001479114	PREDICTED: cDNA sequence BC030336 (BC030336), mRNA.	Mme-M400016632	ILMN_2433330	0	0
234290	BC030500	0.135	0.098	0.004	0	0	0	0	0	0	NM_173411	cDNA sequence BC030500 (BC030500), mRNA.	Mme-M400003626	ILMN_2714956	0	0
217216	BC030867	0.081	-0.107	-0.030	0	0	0	0	0	0	NM_153544	cDNA sequence BC030867 (BC030867), mRNA.	Mme-M300009537	ILMN_1231587	0	0
407819	BC031181	0.083	-0.098	-0.076	0	0	0	0	0	0	NM_001001181	cDNA sequence BC031181 (BC031181), mRNA.	Mme-M200006696	ILMN_2913206	0	0
207792	BC034090	-0.178	-0.118	-0.201	0	0	0	0	0	0	XM_148974	PREDICTED: cDNA sequence BC034090, transcript variant 1 (BC034090), mRNA.	Mme-M300008908	ILMN_1254671	0	0
231807	BC037034	0.011	-0.067	0.017	0	0	0	0	0	0	NM_153161	cDNA sequence BC037034 (BC037034), transcript variant 2, mRNA.	Mme-M300010655	ILMN_1257019	0	0
494497	BC037156	0.287	-0.039	0.013	0	0	0	0	0	0	XM_897089	PREDICTED: cDNA sequence BC037156 (BC037156), mRNA.	Mme-M400004724	ILMN_2494135	0	0
270802	BC048403	0.027	-0.108	0.033	0	0	0	0	0	0	NM_173022	cDNA sequence BC048403 (BC048403), mRNA.	Mme-M300009465	ILMN_2890467	0	0
223927	BC048502	0.014	-0.065	-0.008	0	0	0	0	0	0	NM_177631	cDNA sequence BC048502 (BC048502), mRNA.	Mme-M400004490	ILMN_2960128	0	0
232400	BC048546	-0.428	0.274	-0.045	0	0	0	0	0	0	NM_001001179	cDNA sequence BC048546 (BC048546), mRNA.	Mme-M400003276	ILMN_2531773	0	0
434439	BC048562	0.082	0.055	-0.065	0	0	0	0	0	0	NM_001004192	cDNA sequence BC048562 (BC048562), mRNA.	Mme-M300021320	ILMN_2965595	0	0
433215	BC048609	0.080	-0.086	0.045	0	0	0	0	0	0	NM_001111317	cDNA sequence BC048609 (BC048609), mRNA.	Mme-M300018569	ILMN_1258825	0	0
243535	BC048671	0.086	0.005	-0.033	0	0	0	0	0	0	NM_177738	cDNA sequence BC048671 (BC048671), mRNA.	Mme-M300020429	ILMN_2655410	0	0
210321	BC048679	0.082	-2.249	-0.026	0	-1	0	0	-1	0	NM_183143	cDNA sequence BC048679 (BC048679), mRNA.	Mme-M400007578	ILMN_2815651	0	1
277773	BC049635	-0.069	0.115	0.101	0	0	0	0	0	0	NM_177785	cDNA sequence BC049635 (BC049635), mRNA.	Mme-M300020852	ILMN_1260363	0	0
232972	BC049730	-0.023	-0.013	-0.122	0	0	0	0	0	0	NM_199150	cDNA sequence BC049730 (BC049730), mRNA.	Mme-M300016523	ILMN_2907915	0	0
193286	BC049762	-0.350	-0.057	-0.058	0	0	0	0	0	0	NM_177567	cDNA sequence BC049762 (BC049762), mRNA.	Mme-M300016863	ILMN_1225817	0	0
57355	BC051019	-0.175	0.043	-0.042	0	0	0	0	0	0	NM_001040700	cDNA sequence BC051019 (BC051019), mRNA.	Mme-M200009082	ILMN_2875039	0	0
243090	BC051076	-0.221	0.043	-0.039	0	0	0	0	0	0	XM_144407	PREDICTED: cDNA sequence BC051076 (BC051076), mRNA.	Mme-M400005361	ILMN_2735486	0	0
407788	BC051142	0.000	0.089	0.008	0	0	0	0	0	0	NM_001001177	cDNA sequence BC051142 (BC051142), mRNA.	Mme-M400005832	ILMN_2936419	0	0
332713	BC051628	-0.079	0.096	-0.036	0	0	0	0	0	0	NM_199312	cDNA sequence BC051628 (BC051628), mRNA.	Mme-M300018668	ILMN_2681457	0	0
218275	BC051665	0.004	0.003	0.064	0	0	0	0	0	0	NM_199148	cDNA sequence BC051665 (BC051665), mRNA.	Mme-M400002597	ILMN_1221521	0	0
399568	BC052040	0.087	-0.116	0.175	0	0	0	0	0	0	NM_207264	cDNA sequence BC052040 (BC052040), mRNA.	Mme-M300012587	ILMN_1227874	0	0
407814	BC053393	-0.042	-0.041	0.028	0	0	0	0	0	0	NM_001025435	cDNA sequence BC053393 (BC053393), mRNA.	Mme-M400003232	ILMN_3161532	0	0
333193	BC053749	0.179	0.047	0.045	0	0	0	0	0	0	NM_183321	cDNA sequence BC053749 (BC053749), mRNA.	Mme-M300010580	ILMN_2656776	0	0
242602	BC055111	-0.040	0.086	0.011	0	0	0	0	0	0	NM_183182	cDNA sequence BC055111 (BC055111), mRNA.	Mme-M400004782	ILMN_2664291	0	0
381306	BC055324	-0.052	0.112	0.072	0	0	0	0	0	0	NM_201364	cDNA sequence BC055324 (BC055324), mRNA.	Mme-M300013153	ILMN_2934549	0	0
381724	BC061212	-0.281	-0.079	0.104	0	0	0	0	0	0	NM_198667	cDNA sequence BC061212 (BC061212), mRNA.	Mme-M400012586	ILMN_3098894	0	0
385138	BC061237	-0.326	0.079	-0.015	0	0	0	0	0	0	NM_198677	cDNA sequence BC061237 (BC061237), mRNA.	Mme-M400007796	ILMN_2930660	0	0
238037	BC068281	-0.002	0.088	0.149	0	0	0	0	0	0	NM_173416	cDNA sequence BC068281 (BC068281), mRNA.	Mme-M300022330	ILMN_2760057	0	0
329986	BC080695	0.215	-0.010	-0.025	0	0	0	0	0	0	NM_001007579	cDNA sequence BC080695 (BC080695), mRNA.	Mme-M400005037	ILMN_2947329	0	0
280621	BC089491	-0.104	-0.057	0.021	0	0	0	0	0	0	NM_175033	cDNA sequence BC089491 (BC089491), mRNA.	Mme-M300017627	ILMN_2599891	0	0
545384	BC094916	-0.055	-0.016	0.079	0	0	0	0	0	0	NM_001024721	cDNA sequence BC094916 (BC094916), mRNA.	Mme-M400002723	ILMN_3072407	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
58251	BC100451	-0.093	0.068	-0.039	0	0	0	0	0	0	NM_021440	differential display clone 8 (Ddc8), mRNA.	Mme-M400011394	ILMN_1248326	0	0
625360	BC147527	-0.236	0.517	0.145	0	1	0	0	0	0	NM_001037925	similar to 2-cell-stage, variable group, member 3 (LOC625360), mRNA.	Mme-M400006942	ILMN_2845658	0	0
57278	Bcam	-0.007	0.211	0.230	0	0	0	0	0	0	NM_020486	basal cell adhesion molecule (Bcam), mRNA.	Mme-M400011363	ILMN_1223746	0	0
12032	Bcan	-0.138	0.223	0.100	0	0	0	0	0	0	NM_007529	brevican (Bcan), transcript variant 1, mRNA.	Mme-M400000098	ILMN_2636745	0	0
12033	Bcap29	0.138	0.156	0.041	0	0	0	0	0	0	NM_007530	B-cell receptor-associated protein 29 (Bcap29), mRNA.	Mme-M300002304	ILMN_2645620	0	0
27061	Bcap31	0.047	0.053	-0.159	0	0	0	0	0	0	NM_012060	B-cell receptor-associated protein 31 (Bcap31), mRNA.	Mme-M200000006	ILMN_2871262	0	0
12927	Bcar1	-0.049	-0.142	-0.091	0	0	0	0	0	0	NM_009954	breast cancer anti-estrogen resistance 1 (Bcar1), mRNA.	Mme-M400001418	ILMN_2743133	0	0
29815	Bcar3	0.021	-0.039	0.086	0	0	0	0	0	0	NM_013867	breast cancer anti-estrogen resistance 3 (Bcar3), mRNA.	Mme-M200014327	ILMN_2676615	0	0
76960	Bcas1	-0.101	-0.106	0.104	0	0	0	0	0	0	NM_029815	breast carcinoma amplified sequence 1 (Bcas1), mRNA.	Mme-M200005360	ILMN_2662264	0	0
68183	Bcas2	0.189	-0.037	-0.005	0	0	0	0	0	0	NM_026602	breast carcinoma amplified sequence 2 (Bcas2), mRNA.	Mme-M300000714	ILMN_1259127	0	0
192197	Bcas3	-0.186	-0.055	-0.248	0	0	0	0	0	0	NM_138681	breast carcinoma amplified sequence 3 (Bcas3), mRNA.	Mme-M200008016	ILMN_2669958	0	0
12035	Bcat1	0.048	0.232	0.114	0	0	0	0	0	0	NM_001024468	branched chain aminotransferase 1, cytosolic (Bcat1), transcript variant 1, mRNA.	Mme-M400010737	ILMN_1227327	0	0
12036	Bcat2	0.180	0.299	-0.224	0	0	0	0	0	0	NM_009737	branched chain aminotransferase 2, mitochondrial (Bcat2), nuclear gene encoding mitochondrial protein, mRNA	Mme-M200004828	ILMN_2794608	0	0
66165	Bccip	0.404	0.108	-0.104	0	0	0	0	0	0	NM_025392	BRCA2 and CDKN1A interacting protein (Bccip), mRNA.	Mme-M300007519	ILMN_2862214	0	0
75284	Bcdin3d	0.371	0.011	0.012	0	0	0	0	0	0	NM_029236	BCDIN3 domain containing (Bcdin3d), mRNA.	Mme-M200007272	ILMN_2736925	0	0
12038	Bche	-0.050	0.071	-0.056	0	0	0	0	0	0	NM_009738	butyrylcholinesterase (Bche), mRNA.	Mme-M200002675	ILMN_1235621	0	0
12039	Bckdha	0.083	-0.032	-0.125	0	0	0	0	0	0	NM_007533	branched chain ketoacid dehydrogenase E1, alpha polypeptide (Bckdha), mRNA.	Mme-M400007234	ILMN_2727329	0	0
12040	Bckdhb	0.075	-0.036	0.027	0	0	0	0	0	0	NM_199195	branched chain ketoacid dehydrogenase E1, beta polypeptide (Bckdhb), nuclear gene encoding mitochondrial pr	Mme-M200003136	ILMN_2660803	0	0
12041	Bckdk	0.424	0.092	-0.050	0	0	0	0	0	0	NM_009739	branched chain ketoacid dehydrogenase kinase (Bckdk), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002752	ILMN_2648746	0	0
12042	Bcl10	0.267	0.054	0.048	0	0	0	0	0	0	NM_009740	B-cell leukemia/lymphoma 10 (Bcl10), mRNA.	Mme-M200006165	ILMN_2660851	0	0
14025	Bcl11a	0.477	0.207	-0.117	0	0	0	0	0	0	NM_016707	B-cell CLL/lymphoma 11A (zinc finger protein) (Bcl11a), mRNA.	Mme-M200004757	ILMN_2712044	0	0
58208	Bcl11b	0.125	0.133	-0.227	0	0	0	0	0	0	NM_021399	B-cell leukemia/lymphoma 11B (Bcl11b), transcript variant 2, mRNA.	Mme-M200008831	ILMN_2611022	0	0
12043	Bcl2	-0.225	-0.235	0.162	0	0	0	0	0	0	NM_009741	B-cell leukemia/lymphoma 2 (Bcl2), transcript variant 1, mRNA.	Mme-M200009700	ILMN_1249021	0	0
12046	Bcl2a1c	0.210	0.531	0.371	0	1	1	0	0	0	NM_007535	B-cell leukemia/lymphoma 2 related protein A1c (Bcl2a1c), mRNA.	Mme-M400004604	ILMN_2936165	0	0
12047	Bcl2a1d	0.132	0.614	0.417	0	1	1	0	1	1	NM_007536	B-cell leukemia/lymphoma 2 related protein A1d (Bcl2a1d), mRNA.	Mme-M400005072	ILMN_2660555	2	0
12048	Bcl2l1	0.063	0.308	0.128	0	0	0	0	0	0	NM_009743	Bcl2-like 1 (Bcl2l1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000912	ILMN_2647885	0	0
12049	Bcl2l10	0.082	0.031	0.025	0	0	0	0	0	0	NM_013479	Bcl2-like 10 (Bcl2l10), mRNA.	Mme-M200005228	ILMN_2839758	0	0
12125	Bcl2l11	-0.105	0.189	-0.089	0	0	0	0	0	0	NM_009754	BCL2-like 11 (apoptosis facilitator) (Bcl2l11), transcript variant 3, mRNA.	Mme-M200014917	ILMN_3157568	0	0
75736	Bcl2l12	-0.036	0.089	0.113	0	0	0	0	0	0	NM_029410	BCL2-like 12 (proline rich) (Bcl2l12), mRNA.	Mme-M200014632	ILMN_2935909	0	0
94044	Bcl2l13	-0.105	-0.225	0.106	0	0	0	0	0	0	NM_153516	BCL2-like 13 (apoptosis facilitator) (Bcl2l13), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300001015	ILMN_1241307	0	0
66813	Bcl2l14	-0.003	0.131	0.027	0	0	0	0	0	0	NM_025778	Bcl2-like 14 (apoptosis facilitator) (Bcl2l14), mRNA.	Mme-M300007068	ILMN_2890866	0	0
12050	Bcl2l2	-0.119	0.080	0.132	0	0	0	0	0	0	NM_007537	Bcl2-like 2 (Bcl2l2), mRNA.	Mme-M200002463	ILMN_2936517	0	0
12051	Bcl3	0.079	0.328	0.057	0	0	0	0	0	0	NM_033601	B-cell leukemia/lymphoma 3 (Bcl3), mRNA.	Mme-M400004367	ILMN_2749717	0	0
12053	Bcl6	0.166	-0.217	0.069	0	0	0	0	0	0	NM_009744	B-cell leukemia/lymphoma 6 (Bcl6), mRNA.	Mme-M200003401	ILMN_1230353	0	0
12029	Bcl6b	0.031	0.097	-0.120	0	0	0	0	0	0	NM_007528	B-cell CLL/lymphoma 6, member B (Bcl6b), mRNA.	Mme-M200003195	ILMN_2629764	0	0
77045	Bcl7a	0.062	-0.127	-0.016	0	0	0	0	0	0	NM_029850	B-cell CLL/lymphoma 7A (Bcl7a), mRNA.	Mme-M200006136	ILMN_1252601	0	0
12054	Bcl7b	0.131	0.131	-0.115	0	0	0	0	0	0	NM_009745	B-cell CLL/lymphoma 7B (Bcl7b), mRNA.	Mme-M200000011	ILMN_2685390	0	0
12055	Bcl7c	-0.011	-0.035	-0.029	0	0	0	0	0	0	NM_009746	B-cell CLL/lymphoma 7C (Bcl7c), mRNA.	Mme-M200001100	ILMN_1216273	0	0
77578	Bcl9	0.013	-0.126	0.121	0	0	0	0	0	0	NM_029933	B-cell CLL/lymphoma 9 (Bcl9), mRNA.	Mme-M300016986	ILMN_2808751	0	0
80288	Bcl9l	0.013	-0.048	-0.065	0	0	0	0	0	0	NM_030256	B-cell CLL/lymphoma 9-like (Bcl9l), mRNA.	Mme-M200014120	ILMN_1250469	0	0
72567	Bclaf1	0.269	-0.026	0.080	0	0	0	0	0	0	NM_001025393	BCL2-associated transcription factor 1 (Bclaf1), transcript variant 3, mRNA.	Mme-M400013857	ILMN_3096361	0	0
63857	Bco1	0.011	0.065	0.085	0	0	0	0	0	0	NM_021486	beta-carotene 15,15'-monooxygenase (Bcmo1), mRNA.	Mme-M200008879	ILMN_2713638	0	0
170752	Bco2	0.324	-0.009	-0.019	0	0	0	0	0	0	NM_133217	beta-carotene oxygenase 2 (Bco2), mRNA.	Mme-M200015307	ILMN_2774486	0	0
71458	Bcor	-0.049	0.113	-0.029	0	0	0	0	0	0	NM_175046	Bcl6 interacting corepressor (Bcor), transcript variant d, mRNA.	Mme-M400011675	ILMN_1254808	0	0
320376	Bcorl1	-0.100	0.129	-0.051	0	0	0	0	0	0	NM_178782	BCL6 co-repressor-like 1 (Bcorl1), mRNA.	Mme-M300010662	ILMN_2755424	0	0
110279	Bcr	-0.488	-0.201	-0.095	0	0	0	0	0	0	NM_001081412	breakpoint cluster region homolog (Bcr), mRNA.	Mme-M400001562	ILMN_2691538	0	0
66821	Bcs1l	0.023	0.043	-0.058	0	0	0	0	0	0	NM_025784	BCS1-like (yeast) (Bcs1l), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200016162	ILMN_2691345	0	0
71911	Bdh1	0.040	-0.178	0.044	0	0	0	0	0	0	NM_175177	3-hydroxybutyrate dehydrogenase, type 1 (Bdh1), nuclear gene encoding mitochondrial protein, transcript varia	Mme-M200006708	ILMN_2708928	0	0
69772	Bdh2	-0.081	-0.094	0.129	0	0	0	0	0	0	NM_027208	3-hydroxybutyrate dehydrogenase, type 2 (Bdh2), mRNA.	Mme-M200014180	ILMN_2641678	0	0
12061	Bdkrb1	0.006	0.033	-0.045	0	0	0	0	0	0	NM_007539	bradykinin receptor, beta 1 (Bdkrb1), mRNA.	Mme-M200014921	ILMN_2750957	0	0
12062	Bdkrb2	-0.255	0.052	-0.035	0	0	0	0	0	0	NM_009747	bradykinin receptor, beta 2 (Bdkrb2), mRNA.	Mme-M200001777	ILMN_1241487	0	0
12064	Bdnf	-0.146	0.180	0.147	0	0	0	0	0	0	NM_001048141	brain derived neurotrophic factor (Bdnf), transcript variant 3, mRNA.	Mme-M300019278	ILMN_2666980	0	0
544971	Bdp1	-0.161	-0.109	-0.102	0	0	0	0	0	0	NM_001081061	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB (Bdp1), mRNA.	Mme-M400002517	ILMN_2597548	0	0
56208	Becn1	0.179	0.234	-0.083	0	0	0	0	0	0	NM_019584	beclin 1, autophagy related (Becn1), mRNA.	Mme-M200011875	ILMN_3018758	0	0
380785	Begain	0.205	0.064	0.013	0	0	0	0	0	0	XM_354696	PREDICTED: expressed sequence BM948371, transcript variant 1 (BM948371), mRNA.	Mme-M300012910	ILMN_2526779	0	0
331623	Bend3	-0.013	0.062	0.063	0	0	0	0	0	0	NM_199028	cDNA sequence AK122525 (AK122525), mRNA.	Mme-M300011428	ILMN_2658914	0	0
67621	Bend5	0.018	-0.030	0.012	0	0	0	0	0	0	NM_026279	RIKEN cDNA 2310026E23 gene (2310026E23Rik), mRNA.	Mme-M400001093	ILMN_2645561	0	0
320705	Bend6	-0.111	0.045	-0.166	0	0	0	0	0	0	NM_177235	RIKEN cDNA B230209C24 gene (B230209C24Rik), mRNA.	Mme-M300013546	ILMN_2764344	0	0
209645	Bend7	-0.455	-0.072	-0.022	0	0	0	0	0	0	NM_178663	RIKEN cDNA E130319B15 gene (E130319B15Rik), mRNA.	Mme-M300019006	ILMN_2590042	0	0
24115	Best1	-0.096	-0.041	-0.136	0	0	0	0	0	0	NM_011913	bestrophin 1 (Best1), mRNA.	Mme-M200007124	ILMN_1212602	0	0
382427	Best3	0.167	0.026	0.073	0	0	0	0	0	0	NM_001007583	bestrophin 3 (Best3), mRNA.	Mme-M400000366	ILMN_2541872	0	0
12068	Bet1	0.094	-0.177	-0.109	0	0	0	0	0	0	NM_009748	blocked early in transport 1 homolog (S. cerevisiae) (Bet1), mRNA.	Mme-M300008426	ILMN_2833495	0	0
54399	Bet1l	-0.352	0.022	-0.113	0	0	0	0	0	0	NM_018742	blocked early in transport 1 homolog (S. cerevisiae)-like (Bet1l), mRNA.	Mme-M400011290	ILMN_2639819	0	0
19716	Bex1	0.344	-0.082	0.086	0	0	0	0	0	0	NM_009052	brain expressed gene 1 (Bex1), mRNA.	Mme-M300020782	ILMN_2607900	0	0
12069	Bex2	0.164	0.015	-0.263	0	0	0	0	0	0	NM_009749	brain expressed X-linked 2 (Bex2), mRNA.	Mme-M400002664	ILMN_3143078	0	0
406217	Bex4	0.011	0.131	-0.449	0	0	-1	0	0	-1	NM_212457	brain expressed gene 4 (Bex4), mRNA.	Mme-M300018671	ILMN_3118584	0	1
67118	Bfar	0.269	0.121	0.127	0	0	0	0	0	0	NM_025976	bifunctional apoptosis regulator (Bfar), mRNA.	Mme-M400008986	ILMN_1236693	0	0
12075	Bfsp1	0.200	-0.041	-0.037	0	0	0	0	0	0	NM_009751	beaded filament structural protein in lens-CP94 (Bfsp1), mRNA.	Mme-M200008993	ILMN_1249743	0	0
107993	Bfsp2	0.178	0.128	-0.028	0	0	0	0	0	0	NM_001002896	beaded filament structural protein 2, phakinin (Bfsp2), mRNA.	Mme-M300008313	ILMN_2731774	0	0
12096	Bglap	0.307	0.534	-0.328	0	1	-1	0	0	0	NM_007541	bone gamma carboxyglutamate protein 1 (Bglap1), transcript variant 1, mRNA.	Mme-M400008324	ILMN_3101908	0	0
12095	Bglap3	0.726	0.164	-0.060	1	0	0	0	0	0	NM_031368	bone gamma-carboxyglutamate protein, related sequence 1 (Bglap-rs1), mRNA.	Mme-M400008030	ILMN_1233122	0	0
12111	Bgn	0.648	0.107	-0.044	0	0	0	0	0	0	NM_007542	biglycan (Bgn), mRNA.	Mme-M200000992	ILMN_2964042	0	0
17341	Bhlha15	-0.288	0.158	-0.427	0	0	-1	0	0	-1	NM_010800	basic helix-loop-helix domain containing, class B, 8 (Bhlhb8), mRNA.	Mme-M400004057	ILMN_2651389	0	1
320522	Bhlha9	-0.056	-0.039	-0.052	0	0	0	0	0	0	NM_177182	RIKEN cDNA A830053O21 gene (A830053O21Rik), mRNA.	Mme-M300015272	ILMN_2656915	0	0
70237	Bhlhb9	0.279	-0.042	0.073	0	0	0	0	0	0	NM_001098222	basic helix-loop-helix domain containing, class B9 (Bhlhb9), transcript variant 2, mRNA.	Mme-M400005113	ILMN_1251595	0	0
59058	Bhlhe22	0.145	-0.029	-0.033	0	0	0	0	0	0	NM_021560	basic helix-loop-helix domain containing, class B5 (Bhlhb5), mRNA.	Mme-M300020172	ILMN_2743082	0	0
140489	Bhlhe23	0.025	0.060	-0.010	0	0	0	0	0	0	NM_080641	basic helix-loop-helix domain containing, class B4 (Bhlhb4), mRNA.	Mme-M300016446	ILMN_1227215	0	0
20893	Bhlhe40	-0.024	0.096	-0.027	0	0	0	0	0	0	NM_011498	basic helix-loop-helix domain containing, class B2 (Bhlhb2), mRNA.	Mme-M300007008	ILMN_1249378	0	0
79362	Bhlhe41	-0.192	-0.038	-0.063	0	0	0	0	0	0	NM_024469	basic helix-loop-helix domain containing, class B3 (Bhlhb3), mRNA.	Mme-M200016025	ILMN_2759227	0	0
12116	Bhmt	-0.159	-0.071	-0.067	0	0	0	0	0	0	NM_016668	betaine-homocysteine methyltransferase (Bhmt), mRNA.	Mme-M400009105	ILMN_2620994	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
64918	Bhmt2	0.009	-0.066	-0.030	0	0	0	0	0	0	NM_022884	betaine-homocysteine methyltransferase 2 (Bhmt2), mRNA.	Mme-M200006760	ILMN_2651019	0	0
83675	Bicc1	0.051	-0.087	0.062	0	0	0	0	0	0	NM_031397	bicaudal C homolog 1 (Drosophila) (Bicc1), mRNA.	Mme-M200014376	ILMN_2939138	0	0
76895	Bicd2	-0.081	-0.108	0.107	0	0	0	0	0	0	NM_001039180	bicaudal D homolog 2 (Drosophila) (Bicd2), transcript variant 3, mRNA.	Mme-M200012788	ILMN_3119245	0	0
12122	Bid	0.141	0.143	0.099	0	0	0	0	0	0	NM_007544	BH3 interacting domain death agonist (Bid), mRNA.	Mme-M200007560	ILMN_3161878	0	0
12124	Bik	-0.147	-0.097	-0.203	0	0	0	0	0	0	NM_007546	Bcl2-interacting killer (Bik), mRNA.	Mme-M200003555	ILMN_2717011	0	0
30948	Bin1	0.208	0.203	0.069	0	0	0	0	0	0	NM_001083334	bridging integrator 1 (Bin1), transcript variant 2, mRNA.	Mme-M200001717	ILMN_2628339	0	0
57784	Bin3	0.101	0.097	-0.145	0	0	0	0	0	0	NM_021328	bridging integrator 3 (Bin3), mRNA.	Mme-M200004816	ILMN_1216538	0	0
11797	Birc2	0.324	0.296	-0.172	0	0	0	0	0	0	NM_007465	baculoviral IAP repeat-containing 2 (Birc2), mRNA.	Mme-M400010729	ILMN_2741621	0	0
11796	Birc3	0.184	0.081	0.165	0	0	0	0	0	0	NM_007464	baculoviral IAP repeat-containing 3 (Birc3), mRNA.	Mme-M200000771	ILMN_1247999	0	0
11799	Birc5	-0.012	0.316	0.233	0	0	0	0	0	0	NM_009689	baculoviral IAP repeat-containing 5 (Birc5), transcript variant 1, mRNA.	Mme-M200002722	ILMN_2632712	0	0
12211	Birc6	0.098	-0.027	-0.012	0	0	0	0	0	0	NM_007566	baculoviral IAP repeat-containing 6 (Birc6), mRNA.	Mme-M200003191	ILMN_2654828	0	0
246229	Bivm	0.091	0.039	0.051	0	0	0	0	0	0	NM_144558	basic, immunoglobulin-like variable motif containing (Bivm), mRNA.	Mme-M300013298	ILMN_2621245	0	0
53619	Blcap	0.187	0.315	-0.094	0	0	0	0	0	0	NM_016916	bladder cancer associated protein homolog (human) (Blcap), mRNA.	Mme-M400011274	ILMN_2705802	0	0
12143	Blk	0.024	0.143	0.205	0	0	0	0	0	0	NM_007549	B lymphoid kinase (Blk), mRNA.	Mme-M200001527	ILMN_2976441	0	0
12144	Blm	-0.012	-0.217	-0.060	0	0	0	0	0	0	NM_001042527	Bloom syndrome homolog (human) (Blm), transcript variant 2, mRNA.	Mme-M200003197	ILMN_2706070	0	0
104184	Blmh	-0.092	0.231	-0.134	0	0	0	0	0	0	NM_178645	bleomycin hydrolase (Blmh), mRNA.	Mme-M300002423	ILMN_2646878	0	0
17060	Blnk	0.188	0.180	-0.130	0	0	0	0	0	0	NM_008528	B-cell linker (Blnk), mRNA.	Mme-M200002822	ILMN_1244526	0	0
14533	Bloc1s1	-0.043	0.091	-0.065	0	0	0	0	0	0	NM_015740	biogenesis of lysosome-related organelles complex-1, subunit 1 (Bloc1s1), mRNA.	Mme-M400000823	ILMN_1235757	0	0
73689	Bloc1s2	0.120	-0.016	0.158	0	0	0	0	0	0	XM_619591	PREDICTED: biogenesis of lysosome-related organelles complex-1, subunit 2, transcript variant 2 (Bloc1s2), mRN	Mme-M400009139	ILMN_2757428	0	0
232946	Bloc1s3	-0.161	-0.305	0.123	0	0	0	0	0	0	NM_177692	biogenesis of lysosome-related organelles complex-1, subunit 3 (Bloc1s3), mRNA.	Mme-M400012426	ILMN_2469383	0	0
117197	Bloc1s4	0.020	-0.282	0.133	0	0	0	0	0	0	NM_133724	cappuccino (Cno), mRNA.	Mme-M400007278	ILMN_2591411	0	0
17828	Bloc1s5	0.055	-0.116	0.172	0	0	0	0	0	0	NM_139063	muted (Muted), mRNA.	Mme-M200007123	ILMN_2705131	0	0
18457	Bloc1s6	-0.120	0.185	0.100	0	0	0	0	0	0	NM_019788	pallidin (Pldn), mRNA.	Mme-M200009551	ILMN_1243525	0	0
109778	Blvra	0.194	-0.015	-0.189	0	0	0	0	0	0	NM_026678	biliverdin reductase A (Blvra), mRNA.	Mme-M300000261	ILMN_1257284	0	0
233016	Blvrb	0.195	0.145	0.096	0	0	0	0	0	0	NM_144923	biliverdin reductase B (flavin reductase (NADPH)) (Blvrb), mRNA.	Mme-M200004758	ILMN_2770917	0	0
171543	Bmf	0.040	0.087	-0.047	0	0	0	0	0	0	NM_138313	Bcl2 modifying factor (Bmf), mRNA.	Mme-M200013198	ILMN_2497190	0	0
12151	Bmi1	0.283	-0.104	-0.152	0	0	0	0	0	0	NM_007552	Bmi1 polycomb ring finger oncogene (Bmi1), mRNA.	Mme-M300005260	ILMN_2645439	0	0
12153	Bmp1	0.111	0.222	-0.080	0	0	0	0	0	0	NM_009755	bone morphogenetic protein 1 (Bmp1), mRNA.	Mme-M300003090	ILMN_2989955	0	0
12154	Bmp10	-0.010	-0.045	0.007	0	0	0	0	0	0	NM_009756	bone morphogenetic protein 10 (Bmp10), mRNA.	Mme-M200014950	ILMN_2774869	0	0
12155	Bmp15	0.013	0.037	-0.015	0	0	0	0	0	0	NM_009757	bone morphogenetic protein 15 (Bmp15), mRNA.	Mme-M200013901	ILMN_2735937	0	0
12156	Bmp2	-0.173	0.082	-0.035	0	0	0	0	0	0	NM_007553	bone morphogenetic protein 2 (Bmp2), mRNA.	Mme-M200002555	ILMN_2616888	0	0
140780	Bmp2k	0.060	-0.030	0.157	0	0	0	0	0	0	NM_080708	BMP2 inducible kinase (Bmp2k), mRNA.	Mme-M200002294	ILMN_1254526	0	0
110075	Bmp3	0.212	-0.028	-0.124	0	0	0	0	0	0	NM_173404	bone morphogenetic protein 3 (Bmp3), mRNA.	Mme-M300006618	ILMN_1235433	0	0
12159	Bmp4	-0.426	-0.300	0.079	0	0	0	0	0	0	NM_007554	bone morphogenetic protein 4 (Bmp4), mRNA.	Mme-M300002971	ILMN_1215252	0	0
12160	Bmp5	-0.276	-0.188	-0.112	0	0	0	0	0	0	NM_007555	bone morphogenetic protein 5 (Bmp5), mRNA.	Mme-M200014876	ILMN_2682493	0	0
12161	Bmp6	-0.113	-0.152	-0.034	0	0	0	0	0	0	NM_007556	bone morphogenetic protein 6 (Bmp6), mRNA.	Mme-M200013298	ILMN_2705217	0	0
12162	Bmp7	-0.125	-0.395	0.029	0	0	0	0	0	0	NM_007557	bone morphogenetic protein 7 (Bmp7), mRNA.	Mme-M200000210	ILMN_2589662	0	0
12163	Bmp8a	-0.169	0.225	-0.037	0	0	0	0	0	0	NM_007558	bone morphogenetic protein 8a (Bmp8a), mRNA.	Mme-M200002113	ILMN_2910653	0	0
12164	Bmp8b	0.054	-0.047	-0.057	0	0	0	0	0	0	NM_007559	bone morphogenetic protein 8b (Bmp8b), mRNA.	Mme-M400000053	ILMN_1229350	0	0
73230	Bmper	0.287	0.050	0.036	0	0	0	0	0	0	NM_028472	BMP-binding endothelial regulator (Bmper), mRNA.	Mme-M200008990	ILMN_3008361	0	0
12166	Bmpr1a	0.076	-0.094	0.090	0	0	0	0	0	0	NM_009758	bone morphogenetic protein receptor, type 1A (Bmpr1a), mRNA.	Mme-M200009327	ILMN_1251119	0	0
12167	Bmpr1b	-0.096	-0.116	0.053	0	0	0	0	0	0	NM_007560	bone morphogenetic protein receptor, type 1B (Bmpr1b), mRNA.	Mme-M200008164	ILMN_1219486	0	0
12168	Bmpr2	-0.164	-0.178	-0.061	0	0	0	0	0	0	NM_007561	bone morphogenic protein receptor, type II (serine/threonine kinase) (Bmpr2), mRNA.	Mme-M400010739	ILMN_2614324	0	0
213895	Bms1	-0.005	0.065	-0.056	0	0	0	0	0	0	NM_194339	BMS1 homolog, ribosome assembly protein (yeast) (Bms1), mRNA.	Mme-M300007026	ILMN_2716358	0	0
12169	Bmx	0.076	-0.225	-0.071	0	0	0	0	0	0	NM_009759	BMX non-receptor tyrosine kinase (Bmx), mRNA.	Mme-M200000186	ILMN_2857993	0	0
107771	Bmyc	-0.020	-0.077	0.009	0	0	0	0	0	0	NM_023326	brain expressed myelocytomatosis oncogene (Bmyc), mRNA.	Mme-M400011435	ILMN_2776140	0	0
12173	Bnc1	0.041	0.101	0.049	0	0	0	0	0	0	NM_007562	basonuclin 1 (Bnc1), mRNA.	Mme-M300004484	ILMN_2910258	0	0
242509	Bnc2	0.129	-0.119	0.115	0	0	0	0	0	0	NM_172870	basonuclin 2 (Bnc2), mRNA.	Mme-M400012249	ILMN_2721466	0	0
224630	Bnip1	0.260	0.023	-0.129	0	0	0	0	0	0	NM_172149	BCL2/adenovirus E1B interacting protein 1, NIP1 (Bnip1), mRNA.	Mme-M300015457	ILMN_2648648	0	0
12175	Bnip2	0.463	-0.032	-0.050	0	0	0	0	0	0	NM_016787	BCL2/adenovirus E1B interacting protein 1, NIP2 (Bnip2), transcript variant beta, mRNA.	Mme-M300001160	ILMN_1213672	0	0
12176	Bnip3	0.162	0.003	-0.059	0	0	0	0	0	0	NM_009760	BCL2/adenovirus E1B interacting protein 1, NIP3 (Bnip3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000820	ILMN_2755900	0	0
12177	Bnip3l	0.077	-0.199	0.122	0	0	0	0	0	0	NM_009761	BCL2/adenovirus E1B interacting protein 3-like (Bnip3l), mRNA.	Mme-M200006673	ILMN_2716567	0	0
171388	Bnipl	-0.154	-0.158	-0.051	0	0	0	0	0	0	NM_134253	BCL2/adenovirus E1B 19kD interacting protein like (Bnipl), mRNA.	Mme-M300005948	ILMN_2834972	0	0
117606	Boc	0.311	-0.094	-0.021	0	0	0	0	0	0	NM_172506	biregional cell adhesion molecule-related/down-regulated by oncogenes (Cdon) binding protein (Boc), mRNA.	Mme-M200013652	ILMN_1241005	0	0
69556	Bod1	0.052	-0.282	-0.159	0	0	0	0	0	0	NM_001024919	RIKEN cDNA 2310022M17 gene (2310022M17Rik), mRNA.	Mme-M300015514	ILMN_1254565	0	0
665775	Bod1l	-0.161	-0.365	-0.179	0	0	0	0	0	0	NM_001081422	RIKEN cDNA A230054D04 gene (A230054D04Rik), mRNA.	Mme-M400007515	ILMN_1225996	0	0
51800	Bok	0.286	-0.315	0.083	0	0	0	0	0	0	NM_016778	Bcl-2-related ovarian killer protein (Bok), mRNA.	Mme-M300005011	ILMN_1237404	0	0
69168	Bola1	-0.028	-0.159	-0.147	0	0	0	0	0	0	NM_026975	bolA-like 1 (E. coli) (Bola1), mRNA.	Mme-M200008668	ILMN_2640140	0	0
66162	Bola2	-0.054	0.167	-0.072	0	0	0	0	0	0	NM_175103	bolA-like 2 (E. coli) (Bola2), mRNA.	Mme-M300018555	ILMN_2846368	0	0
78653	Bola3	0.260	-0.042	-0.209	0	0	0	0	0	0	NM_175277	bolA-like 3 (E. coli) (Bola3), mRNA.	Mme-M300016134	ILMN_2990197	0	0
75388	Boll	-0.173	0.001	0.027	0	0	0	0	0	0	NM_029267	bol, boule-like (Drosophila) (Boll), transcript variant 1, mRNA.	Mme-M400000877	ILMN_2747255	0	0
12181	Bop1	0.194	-0.109	-0.012	0	0	0	0	0	0	NM_013481	block of proliferation 1 (Bop1), mRNA.	Mme-M200001669	ILMN_1253942	0	0
77744	Bora	0.121	0.087	0.046	0	0	0	0	0	0	NM_175265	RIKEN cDNA 6720463M24 gene (6720463M24Rik), mRNA.	Mme-M300003082	ILMN_1234641	0	0
12183	Bpgm	0.169	-0.052	0.035	0	0	0	0	0	0	NM_007563	2,3-bisphosphoglycerate mutase (Bpgm), mRNA.	Mme-M200004486	ILMN_2707588	0	0
68021	Bphl	0.146	-0.034	-0.092	0	0	0	0	0	0	NM_026512	biphenyl hydrolase-like (serine hydrolase, breast epithelial mucin-associated antigen) (Bphl), mRNA.	Mme-M200009291	ILMN_2747284	0	0
329547	Bpi	-0.433	0.033	0.077	0	0	0	0	0	0	NM_177850	bactericidal permeablility increasing protein (Bpi), mRNA.	Mme-M400004279	ILMN_2632770	0	0
18843	Bpifa1	0.162	-0.453	-0.102	0	-1	0	0	0	0	NM_011126	palate, lung, and nasal epithelium associated (Plunc), mRNA.	Mme-M200006006	ILMN_1258019	0	0
19194	Bpifa2	-0.028	-0.303	0.107	0	0	0	0	0	0	NM_008953	parotid secretory protein (Psp), mRNA.	Mme-M200001799	ILMN_1245726	0	0
73388	Bpifa3	-0.328	-0.007	-0.049	0	0	0	0	0	0	NM_028528	RIKEN cDNA 1700058C13 gene (1700058C13Rik), mRNA.	Mme-M200015318	ILMN_1243320	0	0
67135	Bpifa5	-0.428	0.070	-0.082	0	0	0	0	0	0	NM_025990	RIKEN cDNA 2310021H06 gene (2310021H06Rik), mRNA.	Mme-M300005661	ILMN_2653590	0	0
228801	Bpifb1	0.715	-0.731	0.563	1	-1	1	0	-1	1	NM_153418	cDNA sequence U46068 (U46068), transcript variant 2, mRNA.	Mme-M200001451	ILMN_2493371	1	1
66557	Bpifb2	-0.123	-0.259	-0.034	0	0	0	0	0	0	NM_025631	bactericidal/permeability-increasing protein-like 1 (Bpil1), mRNA.	Mme-M200014518	ILMN_2664244	0	0
378700	Bpifb3	0.676	-0.782	-0.031	1	-1	0	0	-1	0	NM_194357	antimicrobial peptide RYA3 (Rya3), mRNA.	Mme-M400012567	ILMN_2654377	0	1
381399	Bpifb4	-0.854	-0.973	-0.070	-1	-1	0	0	-1	0	NM_001034875	gene model 1006, (NCBI) (Gm1006), mRNA.	Mme-M400002636	ILMN_2781850	0	1
228802	Bpifb5	0.118	-0.142	0.020	0	0	0	0	0	0	NM_144890	cDNA sequence BC018465 (BC018465), mRNA.	Mme-M200011630	ILMN_1227845	0	0
228796	Bpifb6	-0.137	-0.884	-0.095	0	-1	0	0	-1	0	NM_199303	bactericidal/permeability-increasing protein-like 3 (Bpil3), mRNA.	Mme-M400012598	ILMN_2690657	0	1
71425	Bpifb9a	-0.094	-0.755	-0.050	0	-1	0	0	-1	0	NM_175167	RIKEN cDNA 4833413D08 gene (4833413D08Rik), mRNA.	Mme-M400005521	ILMN_2754614	0	1
270757	Bpifc	-0.247	-0.024	-0.094	0	0	0	0	0	0	NM_177772	bactericidal/permeability-increasing protein-like 2 (Bpil2), mRNA.	Mme-M300020821	ILMN_2609293	0	0
23827	Bpnt1	-0.120	-0.093	-0.192	0	0	0	0	0	0	NM_011794	bisphosphate 3'-nucleotidase 1 (Bpnt1), mRNA.	Mme-M200003578	ILMN_3149112	0	0
207165	Bptf	0.299	-0.049	-0.118	0	0	0	0	0	0	NM_176850	bromodomain PHD finger transcription factor (Bptf), mRNA.	Mme-M200013473	ILMN_1235943	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
109880	Braf	0.204	0.057	-0.070	0	0	0	0	0	0	NM_139294	Braf transforming gene (Braf), mRNA.	Mme-M400016519	ILMN_2435411	0	0
72399	Brap	-0.113	-0.039	-0.185	0	0	0	0	0	0	NM_028227	BRCA1 associated protein (Brap), mRNA.	Mme-M400011636	ILMN_2596880	0	0
231841	Brat1	-0.120	-0.135	0.007	0	0	0	0	0	0	NM_181066	EST AA881470 (AA881470), transcript variant 2, mRNA.	Mme-M200008010	ILMN_2605630	0	0
12189	Brca1	-0.067	-0.060	0.018	0	0	0	0	0	0	NM_009764	breast cancer 1 (Brca1), mRNA.	Mme-M200000723	ILMN_1221657	0	0
12190	Brca2	0.085	0.091	-0.073	0	0	0	0	0	0	NM_009765	breast cancer 2 (Brca2), transcript variant 2, mRNA.	Mme-M200000057	ILMN_2634750	0	0
210766	Brcc3	-0.025	0.190	0.123	0	0	0	0	0	0	NM_145956	BRCA1/BRCA2-containing complex, subunit 3 (Brcc3), mRNA.	Mme-M300007607	ILMN_2636303	0	0
223770	Brd1	0.113	-0.205	0.147	0	0	0	0	0	0	NM_001033274	bromodomain containing 1 (Brd1), mRNA.	Mme-M300003249	ILMN_1251262	0	0
14312	Brd2	0.275	0.231	-0.208	0	0	0	0	0	0	NM_010238	bromodomain containing 2 (Brd2), transcript variant 1, mRNA.	Mme-M200001335	ILMN_2734848	0	0
67382	Brd3	-0.108	-0.195	0.073	0	0	0	0	0	0	NM_001113573	bromodomain containing 3 (Brd3), transcript variant 2, mRNA.	Mme-M300005377	ILMN_1222231	0	0
57261	Brd4	-0.076	0.155	-0.133	0	0	0	0	0	0	NM_020508	bromodomain containing 4 (Brd4), transcript variant 1, mRNA.	Mme-M200009460	ILMN_2633333	0	0
26992	Brd7	0.052	-0.173	0.025	0	0	0	0	0	0	NM_012047	bromodomain containing 7 (Brd7), mRNA.	Mme-M200002255	ILMN_1237950	0	0
78656	Brd8	0.214	0.144	0.111	0	0	0	0	0	0	NM_030147	bromodomain containing 8 (Brd8), mRNA.	Mme-M200005996	ILMN_1216763	0	0
105246	Brd9	-0.174	0.172	0.031	0	0	0	0	0	0	NM_001024508	bromodomain containing 9 (Brd9), mRNA.	Mme-M400008896	ILMN_2913089	0	0
114642	Brdt	0.191	-0.129	0.069	0	0	0	0	0	0	NM_054054	bromodomain, testis-specific (Brdt), transcript variant 1, mRNA.	Mme-M200004920	ILMN_2515856	0	0
107976	Bre	0.042	0.119	-0.080	0	0	0	0	0	0	NM_181281	brain and reproductive organ-expressed protein (Bre), transcript variant 3, mRNA.	Mme-M400004011	ILMN_3139800	0	0
72308	Brf1	0.123	-0.058	-0.232	0	0	0	0	0	0	NM_028193	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae) (Brf1), mRNA.	Mme-M200015781	ILMN_1220096	0	0
66653	Brf2	0.071	0.011	-0.104	0	0	0	0	0	0	NM_025686	BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like (Brf2), mRNA.	Mme-M300007727	ILMN_1258583	0	0
55950	Bri3	0.177	-0.144	0.037	0	0	0	0	0	0	NM_018772	brain protein I3 (Bri3), mRNA.	Mme-M300018670	ILMN_2700334	0	0
76809	Bri3bp	0.105	-0.120	0.044	0	0	0	0	0	0	NM_029752	Bri3 binding protein (Bri3bp), mRNA.	Mme-M300011212	ILMN_1237243	0	0
319259	Bricd5	-0.110	-0.050	-0.096	0	0	0	0	0	0	NM_175682	RIKEN cDNA 9930021D14 gene (9930021D14Rik), mRNA.	Mme-M300016677	ILMN_2951995	0	0
56710	Brinp1	0.177	0.210	-0.035	0	0	0	0	0	0	NM_019967	deleted in bladder cancer 1 (human) (Dbc1), mRNA.	Mme-M200008634	ILMN_2643648	0	0
240843	Brinp2	0.122	-0.153	-0.173	0	0	0	0	0	0	NM_207583	RIKEN cDNA 6430517E21 gene (6430517E21Rik), mRNA.	Mme-M300000498	ILMN_1253269	0	0
215378	Brinp3	0.187	0.243	0.061	0	0	0	0	0	0	NM_153539	RIKEN cDNA B830045N13 gene (B830045N13Rik), mRNA.	Mme-M300009718	ILMN_2831407	0	0
237911	Brip1	0.032	0.162	0.193	0	0	0	0	0	0	NM_178309	BRCA1 interacting protein C-terminal helicase 1 (Brip1), mRNA.	Mme-M300009289	ILMN_2643883	0	0
67832	Brix1	0.375	0.238	-0.082	0	0	0	0	0	0	NM_026396	brix domain containing 2 (Bxdc2), mRNA.	Mme-M400011560	ILMN_2668001	0	0
101314	Brk1	0.038	0.107	0.041	0	0	0	0	0	0	NM_133937	RIKEN cDNA 6720456B07 gene (6720456B07Rik), mRNA.	Mme-M200005823	ILMN_2958417	0	0
107392	Brms1	0.054	0.084	-0.091	0	0	0	0	0	0	NM_134155	breast cancer metastasis-suppressor 1 (Brms1), mRNA.	Mme-M200007871	ILMN_2743551	0	0
52592	Brms1l	0.036	0.075	0.052	0	0	0	0	0	0	NM_001037756	breast cancer metastasis-suppressor 1-like (Brms1l), mRNA.	Mme-M300001164	ILMN_1232095	0	0
71678	Brox	0.051	0.038	0.064	0	0	0	0	0	0	NM_027861	RIKEN cDNA 0610010K06 gene (0610010K06Rik), mRNA.	Mme-M400003210	ILMN_1248379	0	0
78783	Brpf1	0.513	-0.230	0.087	0	0	0	0	0	0	NM_030178	bromodomain and PHD finger containing, 1 (Brpf1), mRNA.	Mme-M400009446	ILMN_2800859	0	0
268936	Brpf3	0.054	0.019	0.044	0	0	0	0	0	0	NM_001081315	bromodomain and PHD finger containing, 3 (Brpf3), mRNA.	Mme-M400008486	ILMN_2530641	0	0
12209	Brs3	0.020	-0.017	-0.021	0	0	0	0	0	0	NM_009766	bombesin-like receptor 3 (Brs3), mRNA.	Mme-M200002958	ILMN_1225682	0	0
381979	Brsk1	-0.160	0.215	0.071	0	0	0	0	0	0	NM_001003920	BR serine/threonine kinase 1 (Brsk1), mRNA.	Mme-M300009892	ILMN_3104328	0	0
75770	Brsk2	-0.225	-0.044	0.072	0	0	0	0	0	0	NM_001009929	BR serine/threonine kinase 2 (Brsk2), transcript variant 2, mRNA.	Mme-M300004491	ILMN_3110964	0	0
93871	Brwd1	-0.087	-0.152	0.099	0	0	0	0	0	0	NM_145125	bromodomain and WD repeat domain containing 1 (Brwd1), transcript variant 1, mRNA.	Mme-M300003587	ILMN_1252496	0	0
382236	Brwd3	0.156	-0.064	-0.130	0	0	0	0	0	0	NM_001081477	bromodomain and WD repeat domain containing 3 (Brwd3), mRNA.	Mme-M400008362	ILMN_1247774	0	0
14705	Bscl2	0.114	-0.056	-0.120	0	0	0	0	0	0	NM_008144	Bernardinelli-Seip congenital lipodystrophy 2 homolog (human) (Bscl2), mRNA.	Mme-M200003409	ILMN_1221719	0	0
100383	Bsdc1	0.267	0.036	-0.123	0	0	0	0	0	0	NM_133889	BSD domain containing 1 (Bsdc1), mRNA.	Mme-M200003557	ILMN_1234100	0	0
12217	Bsn	-0.085	-0.047	0.039	0	0	0	0	0	0	NM_007567	bassoon (Bsn), mRNA.	Mme-M200003888	ILMN_1247629	0	0
140475	Bsnd	-0.217	-0.050	0.002	0	0	0	0	0	0	NM_080458	Bartter syndrome, infantile, with sensorineural deafness (Barttin) (Bsnd), mRNA.	Mme-M200009188	ILMN_2669493	0	0
192120	Bspry	0.091	0.001	-0.081	0	0	0	0	0	0	NM_138653	B-box and SPRY domain containing (Bspry), mRNA.	Mme-M200006665	ILMN_2678134	0	0
12182	Bst1	-0.030	0.058	0.040	0	0	0	0	0	0	NM_009763	bone marrow stromal cell antigen 1 (Bst1), mRNA.	Mme-M300006479	ILMN_2648346	0	0
69550	Bst2	0.658	0.342	0.287	1	0	0	0	0	0	NM_198095	bone marrow stromal cell antigen 2 (Bst2), mRNA.	Mme-M300017604	ILMN_1224110	0	0
244813	Bsx	-0.129	-0.084	-0.119	0	0	0	0	0	0	NM_178245	brain specific homeobox (Bsx), mRNA.	Mme-M400004781	ILMN_1228573	0	0
107182	Btaf1	0.108	-0.231	0.066	0	0	0	0	0	0	NM_001080706	BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, (Mot1 homolog, S. cerevisiae) (Btaf1), mRNA.	Mme-M400007758	ILMN_2688492	0	0
83962	Btbd1	0.191	0.047	-0.032	0	0	0	0	0	0	NM_146193	BTB (POZ) domain containing 1 (Btbd1), mRNA.	Mme-M400000797	ILMN_1257078	0	0
68815	Btbd10	0.121	-0.080	0.117	0	0	0	0	0	0	NM_133700	BTB (POZ) domain containing 10 (Btbd10), mRNA.	Mme-M200013707	ILMN_1236572	0	0
74007	Btbd11	-0.123	-0.024	-0.105	0	0	0	0	0	0	NM_001017525	BTB (POZ) domain containing 11 (Btbd11), transcript variant 2, mRNA.	Mme-M300009974	ILMN_3139253	0	0
330660	Btbd16	0.180	0.009	0.024	0	0	0	0	0	0	NM_001081038	BTB (POZ) domain containing 16 (Btbd16), mRNA.	Mme-M300012599	ILMN_2825826	0	0
72014	Btbd17	0.016	-0.074	-0.045	0	0	0	0	0	0	NM_028055	RIKEN cDNA 1500005I02 gene (1500005I02Rik), mRNA.	Mme-M200008054	ILMN_2756586	0	0
208198	Btbd2	-0.166	-0.198	-0.059	0	0	0	0	0	0	NM_145361	BTB (POZ) domain containing 2 (Btbd2), mRNA.	Mme-M200006141	ILMN_1220483	0	0
399566	Btbd6	0.200	0.037	-0.082	0	0	0	0	0	0	NM_201646	BTB (POZ) domain containing 6 (Btbd6), mRNA.	Mme-M400000060	ILMN_2774822	0	0
238386	Btbd7	0.161	0.017	-0.002	0	0	0	0	0	0	NM_172806	BTB (POZ) domain containing 7 (Btbd7), mRNA.	Mme-M300013306	ILMN_2593568	0	0
12223	Btc	-0.008	0.348	0.023	0	0	0	0	0	0	NM_007568	betacellulin, epidermal growth factor family member (Btc), mRNA.	Mme-M200000769	ILMN_2734097	0	0
26363	Btd	0.132	-0.027	0.068	0	0	0	0	0	0	NM_025295	biotinidase (Btd), mRNA.	Mme-M200009399	ILMN_1252698	0	0
218490	Btf3	0.189	0.109	-0.061	0	0	0	0	0	0	NM_145455	basic transcription factor 3 (Btf3), mRNA.	Mme-M300002876	ILMN_2720034	0	0
70533	Btf3l4	0.185	0.118	-0.010	0	0	0	0	0	0	NM_027453	basic transcription factor 3-like 4 (Btf3l4), mRNA.	Mme-M400001096	ILMN_2658543	0	0
12226	Btg1	0.209	0.190	0.188	0	0	0	0	0	0	NM_007569	B-cell translocation gene 1, anti-proliferative (Btg1), mRNA.	Mme-M200003449	ILMN_2866189	0	0
194735	Btg1-ps2	-0.185	0.078	-0.048	0	0	0	0	0	0	NM_001034856	RIKEN cDNA 4930430D24 gene (4930430D24Rik), mRNA.	Mme-M400007856	ILMN_3161824	0	0
12227	Btg2	0.146	-0.059	0.003	0	0	0	0	0	0	NM_007570	B-cell translocation gene 2, anti-proliferative (Btg2), mRNA.	Mme-M200000321	ILMN_1256772	0	0
12228	Btg3	0.340	-0.238	0.081	0	0	0	0	0	0	NM_009770	B-cell translocation gene 3 (Btg3), mRNA.	Mme-M400010973	ILMN_3042627	0	0
56057	Btg4	0.024	-0.024	0.017	0	0	0	0	0	0	NM_019493	B-cell translocation gene 4 (Btg4), mRNA.	Mme-M200008683	ILMN_1248124	0	0
12229	Btk	0.013	0.415	0.227	0	0	0	0	0	0	NM_013482	Bruton agammaglobulinemia tyrosine kinase (Btk), mRNA.	Mme-M400001353	ILMN_1235934	0	0
208154	Btla	-0.136	0.216	0.135	0	0	0	0	0	0	NM_177584	B and T lymphocyte associated (Btla), transcript variant 2, mRNA.	Mme-M400003971	ILMN_3116935	0	0
12231	Btn1a1	-0.081	0.015	0.126	0	0	0	0	0	0	NM_013483	butyrophilin, subfamily 1, member A1 (Btn1a1), mRNA.	Mme-M300000104	ILMN_2607009	0	0
238555	Btn2a2	-0.254	0.045	0.042	0	0	0	0	0	0	NM_175938	butyrophilin, subfamily 2, member A2 (Btn2a2), mRNA.	Mme-M300000103	ILMN_1216723	0	0
192194	Btnl10	0.083	0.084	-0.041	0	0	0	0	0	0	NM_138678	butyrophilin related 1 (Butr1), mRNA.	Mme-M200004421	ILMN_1231111	0	0
547431	Btnl2	-0.100	-0.027	-0.045	0	0	0	0	0	0	NM_079835	butyrophilin-like 2 (Btnl2), mRNA.	Mme-M400000737	ILMN_2779654	0	0
237754	Btnl9	0.013	-0.049	-0.032	0	0	0	0	0	0	NM_172793	butyrophilin-like 9 (Btnl9), mRNA.	Mme-M300012588	ILMN_1238527	0	0
12234	Btrc	-0.035	0.197	-0.080	0	0	0	0	0	0	NM_009771	beta-transducin repeat containing protein (Btrc), transcript variant 2, mRNA.	Mme-M200006145	ILMN_1251041	0	0
12235	Bub1	0.148	0.105	-0.051	0	0	0	0	0	0	NM_009772	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae) (Bub1), transcript variant 2, mRNA.	Mme-M200000832	ILMN_2632462	0	0
12236	Bub1b	-0.155	0.255	0.168	0	0	0	0	0	0	NM_009773	budding uninhibited by benzimidazoles 1 homolog, beta (S. cerevisiae) (Bub1b), mRNA.	Mme-M400002336	ILMN_2774007	0	0
12237	Bub3	0.156	0.089	-0.026	0	0	0	0	0	0	NM_009774	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae) (Bub3), mRNA.	Mme-M300001444	ILMN_2655944	0	0
215051	Bud13	-0.257	-0.135	-0.104	0	0	0	0	0	0	NM_146000	BUD13 homolog (yeast) (Bud13), mRNA.	Mme-M300008059	ILMN_2593532	0	0
231889	Bud31	0.380	-0.057	0.089	0	0	0	0	0	0	NM_001008705	BUD31 homolog (yeast) (Bud31), mRNA.	Mme-M400002183	ILMN_2781966	0	0
23828	Bves	0.205	-0.045	0.042	0	0	0	0	0	0	NM_024285	blood vessel epicardial substance (Bves), mRNA.	Mme-M400011460	ILMN_1222934	0	0
70285	Bxdc5	0.321	-0.170	0.135	0	0	0	0	0	0	NM_027371	brix domain containing 5 (Bxdc5), transcript variant 2, mRNA.	Mme-M300005986	ILMN_2745841	0	0
53414	Bysl	0.150	-0.112	-0.002	0	0	0	0	0	0	NM_016859	bystin-like (Bysl), mRNA.	Mme-M200005496	ILMN_2698719	0	0
207777	Bzrap1	-0.024	-0.087	-0.160	0	0	0	0	0	0	NM_172449	benzodiazapine receptor associated protein 1 (Bzrap1), mRNA.	Mme-M400001656	ILMN_1229256	0	0
66882	Bzw1	0.157	-0.144	0.178	0	0	0	0	0	0	NM_025824	basic leucine zipper and W2 domains 1 (Bzw1), mRNA.	Mme-M400003801	ILMN_2729861	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66912	Bzw2	0.121	-0.081	0.030	0	0	0	0	0	0	NM_025840	basic leucine zipper and W2 domains 2 (Bzw2), mRNA.	Mme-M200004985	ILMN_2876482	0	0
223665	C030006K11Rik	0.148	-0.211	-0.097	0	0	0	0	0	0	NM_145472	RIKEN cDNA C030006K11 gene (C030006K11Rik), mRNA.	Mme-M200003573	ILMN_2692853	0	0
112415	C030039L03Rik	-0.053	-0.047	0.021	0	0	0	0	0	0	NM_198417	RIKEN cDNA C030039L03 gene (C030039L03Rik), transcript variant 2, mRNA.	Mme-M400005765	ILMN_2722290	0	0
226089	C030046E11Rik	0.058	-0.016	-0.015	0	0	0	0	0	0	NM_001081319	RIKEN cDNA C030046E11 gene (C030046E11Rik), mRNA.	Mme-M200007107	ILMN_2424027	0	0
620078	C130026I21Rik	0.059	0.371	0.170	0	0	0	0	0	0	NM_001037909	RIKEN cDNA C130026I21 gene (C130026I21Rik), transcript variant 2, mRNA.	Mme-M400012289	ILMN_3162925	0	0
442817	C130046B21Rik	-0.105	-0.108	0.061	0	0	0	0	0	0	XR_035323	PREDICTED: RIKEN cDNA C130046B21 gene (C130046B21Rik), misc RNA.	Mme-M400010697	ILMN_1213859	0	0
319772	C130050O18Rik	-0.122	0.150	0.003	0	0	0	0	0	0	NM_177000	RIKEN cDNA C130050O18 gene (C130050O18Rik), mRNA.	Mme-M300015134	ILMN_2676524	0	0
243407	C130060K24Rik	-0.028	-0.059	0.006	0	0	0	0	0	0	NM_175524	RIKEN cDNA C130060K24 gene (C130060K24Rik), mRNA.	Mme-M300006945	ILMN_2701723	0	0
242574	C130073F10Rik	-0.075	-0.040	-0.063	0	0	0	0	0	0	XR_035215	PREDICTED: RIKEN cDNA C130073F10 gene (C130073F10Rik), misc RNA.	Mme-M300017061	ILMN_1228176	0	0
226777	C130074G19Rik	-0.096	0.133	0.036	0	0	0	0	0	0	NM_178692	RIKEN cDNA C130074G19 gene (C130074G19Rik), mRNA.	Mme-M300012110	ILMN_1219466	0	0
229333	C130079G13Rik	-0.494	-0.070	-0.061	0	0	0	0	0	0	NM_177661	RIKEN cDNA C130079G13 gene (C130079G13Rik), mRNA.	Mme-M400001959	ILMN_1232462	0	0
57316	C1d	0.065	-0.092	0.069	0	0	0	0	0	0	NM_020558	nuclear DNA binding protein (C1d), mRNA.	Mme-M200000938	ILMN_3160140	0	0
94192	C1galt1	0.279	-0.053	0.009	0	0	0	0	0	0	NM_052993	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1 (C1galt1), mRNA.	Mme-M300013703	ILMN_2742667	0	0
59048	C1galt1c1	-0.389	-0.125	0.100	0	0	0	0	0	0	NM_021550	C1GALT1-specific chaperone 1 (C1galt1c1), mRNA.	Mme-M300019743	ILMN_2682271	0	0
12259	C1qa	0.240	0.332	0.012	0	0	0	0	0	0	NM_007572	complement component 1, q subcomponent, alpha polypeptide (C1qa), mRNA.	Mme-M200000131	ILMN_2776431	0	0
12260	C1qb	0.073	0.533	0.241	0	1	0	0	0	0	NM_009777	complement component 1, q subcomponent, beta polypeptide (C1qb), mRNA.	Mme-M200000979	ILMN_2619620	0	0
12261	C1qbp	0.089	-0.151	-0.063	0	0	0	0	0	0	NM_007573	complement component 1, q subcomponent binding protein (C1qbp), nuclear gene encoding mitochondrial prot	Mme-M200006803	ILMN_1225373	0	0
12262	C1qc	0.117	0.469	0.356	0	1	1	0	0	0	NM_007574	complement component 1, q subcomponent, C chain (C1qc), mRNA.	Mme-M200001340	ILMN_2715840	0	0
23829	C1ql1	-0.120	-0.047	0.016	0	0	0	0	0	0	NM_011795	complement component 1, q subcomponent-like 1 (C1ql1), mRNA.	Mme-M400003048	ILMN_2864659	0	0
226359	C1ql2	0.385	0.290	-0.448	0	0	-1	0	0	-1	NM_207233	complement component 1, q subcomponent-like 2 (C1ql2), mRNA.	Mme-M300010614	ILMN_2671473	0	1
227580	C1ql3	0.085	-0.031	-0.051	0	0	0	0	0	0	NM_153155	C1q-like 3 (C1ql3), mRNA.	Mme-M300020369	ILMN_1227567	0	0
239659	C1ql4	-0.146	-0.094	0.005	0	0	0	0	0	0	NM_001024702	complement component 1, q subcomponent-like 4 (C1ql4), mRNA.	Mme-M400000029	ILMN_2867212	0	0
56745	C1qtnf1	-0.043	0.175	-0.083	0	0	0	0	0	0	NM_019959	C1q and tumor necrosis factor related protein 1 (C1qtnf1), mRNA.	Mme-M300001585	ILMN_2722108	0	0
69183	C1qtnf2	-0.127	-0.015	-0.039	0	0	0	0	0	0	NM_026979	C1q and tumor necrosis factor related protein 2 (C1qtnf2), mRNA.	Mme-M200005034	ILMN_1232458	0	0
81799	C1qtnf3	-0.023	0.130	-0.054	0	0	0	0	0	0	NM_030888	C1q and tumor necrosis factor related protein 3 (C1qtnf3), mRNA.	Mme-M400006547	ILMN_2760318	0	0
67445	C1qtnf4	0.530	-0.030	-0.261	0	0	0	0	0	0	NM_026161	C1q and tumor necrosis factor related protein 4 (C1qtnf4), mRNA.	Mme-M200013677	ILMN_1252584	0	0
235312	C1qtnf5	0.227	0.085	-0.147	0	0	0	0	0	0	NM_001040631	C1q and tumor necrosis factor related protein 5 (C1qtnf5), transcript variant 3, mRNA.	Mme-M200009201	ILMN_2636764	0	0
239126	C1qtnf9	-0.355	0.053	-0.008	0	0	0	0	0	0	NM_183175	C1q and tumor necrosis factor related protein 9 (C1qtnf9), mRNA.	Mme-M300003057	ILMN_2716968	0	0
50909	C1ra	0.658	0.136	-0.053	1	0	0	0	0	0	NM_023143	complement component 1, r subcomponent (C1r), mRNA.	Mme-M400011429	ILMN_2770475	0	0
232371	C1rl	-0.077	0.135	0.083	0	0	0	0	0	0	NM_181344	complement component 1, r subcomponent-like (C1rl), mRNA.	Mme-M300011603	ILMN_2728796	0	0
317677	C1s2	0.384	0.267	0.313	0	0	1	0	0	0	NM_173864	predicted gene, EG317677 (EG317677), mRNA.	Mme-M300011598	ILMN_2929594	0	0
12263	C2	-0.142	0.400	0.168	0	0	0	0	0	0	NM_013484	complement component 2 (within H-2S) (C2), mRNA.	Mme-M200000795	ILMN_2612895	0	0
101831	C230052I12Rik	-0.130	-0.033	-0.031	0	0	0	0	0	0	NM_178643	RIKEN cDNA C230052I12 gene (C230052I12Rik), mRNA.	Mme-M300007269	ILMN_1216046	0	0
207781	C2cd2	-0.242	-0.085	0.041	0	0	0	0	0	0	NM_174847	RIKEN cDNA 5830404H04 gene (5830404H04Rik), mRNA.	Mme-M300000018	ILMN_2944272	0	0
71764	C2cd2l	-0.024	-0.193	0.004	0	0	0	0	0	0	NM_027909	transmembrane protein 24 (Tmem24), mRNA.	Mme-M200007434	ILMN_1230395	0	0
277939	C2cd3	0.171	0.186	-0.153	0	0	0	0	0	0	NM_001017985	C2 calcium-dependent domain containing 3 (C2cd3), mRNA.	Mme-M400003723	ILMN_2627713	0	0
75697	C2cd4b	0.326	-0.548	-0.170	0	-1	0	0	0	0	NM_001081314	RIKEN cDNA 3300001A09 gene (3300001A09Rik), mRNA.	Mme-M400005058	ILMN_1235361	0	0
237397	C2cd4c	-0.148	-0.036	-0.046	0	0	0	0	0	0	NM_198614	RIKEN cDNA 4932409I22 gene (4932409I22Rik), mRNA.	Mme-M300016832	ILMN_2615081	0	0
74741	C2cd5	-0.004	0.069	-0.079	0	0	0	0	0	0	NM_001109688	RIKEN cDNA 5730419I09 gene (5730419I09Rik), transcript variant 3, mRNA.	Mme-M200009019	ILMN_2889313	0	0
12266	C3	0.282	0.613	0.413	0	1	1	0	1	1	NM_009778	complement component 3 (C3), mRNA.	Mme-M200003738	ILMN_2759484	2	0
442802	C330011M18Rik	0.102	-0.036	0.000	0	0	0	0	0	0	XR_035219	PREDICTED: RIKEN cDNA C330011M18 gene (C330011M18Rik), misc RNA.	Mme-M400005622	ILMN_1228852	0	0
77422	C330018D20Rik	-0.051	0.043	0.014	0	0	0	0	0	0	XM_894494	PREDICTED: RIKEN cDNA C330018D20 gene, transcript variant 2 (C330018D20Rik), mRNA.	Mme-M200007159	ILMN_2525289	0	0
224171	C330027C09Rik	-0.085	-0.060	-0.062	0	0	0	0	0	0	NM_172616	RIKEN cDNA C330027C09 gene (C330027C09Rik), mRNA.	Mme-M300008565	ILMN_2647961	0	0
12267	C3ar1	0.142	-0.038	0.003	0	0	0	0	0	0	NM_009779	complement component 3a receptor 1 (C3ar1), mRNA.	Mme-M300012722	ILMN_2709211	0	0
72575	C430049B03Rik	-0.043	-0.065	0.079	0	0	0	0	0	0	XM_980571	PREDICTED: RIKEN cDNA C430049B03 gene (C430049B03Rik), mRNA.	Mme-M400013797	ILMN_2546861	0	0
625018	C4a	-0.295	0.695	0.466	0	1	1	0	1	1	NM_011413	complement component 4A (Rodgers blood group) (C4a), mRNA.	Mme-M400007609	ILMN_1215092	2	0
12268	C4b	0.050	0.542	0.509	0	1	1	0	0	1	NM_009780	complement component 4B (Childo blood group) (C4b), mRNA.	Mme-M300001412	ILMN_2606624	1	0
12269	C4bp	0.023	0.009	0.000	0	0	0	0	0	0	NM_007576	complement component 4 binding protein (C4bp), mRNA.	Mme-M200003262	ILMN_2782794	0	0
320827	C530008M17Rik	-0.403	0.062	0.106	0	0	0	0	0	0	XM_916109	PREDICTED: RIKEN cDNA C530008M17 gene, transcript variant 3 (C530008M17Rik), mRNA.	Mme-M300010354	ILMN_2670775	0	0
12273	C5ar1	-0.001	0.130	0.005	0	0	0	0	0	0	NM_007577	complement component 5a receptor 1 (C5ar1), mRNA.	Mme-M300019897	ILMN_2595052	0	0
319430	C5ar2	-0.150	-0.004	-0.120	0	0	0	0	0	0	NM_176912	G protein-coupled receptor 77 (Gpr77), mRNA.	Mme-M300020914	ILMN_2671707	0	0
12274	C6	-0.062	0.316	0.222	0	0	0	0	0	0	NM_016704	complement component 6 (C6), mRNA.	Mme-M200003842	ILMN_2798129	0	0
109828	C7	-0.266	-0.041	0.083	0	0	0	0	0	0	XM_356827	PREDICTED: complement component 7 (C7), mRNA.	Mme-M400002558	ILMN_2536590	0	0
97130	C77080	-0.234	0.066	-0.124	0	0	0	0	0	0	NM_001033189	expressed sequence C77080 (C77080), mRNA.	Mme-M300012937	ILMN_2696592	0	0
245555	C77370	0.563	-0.008	-0.177	0	0	0	0	0	0	NM_001077354	expressed sequence C77370 (C77370), mRNA.	Mme-M400018490	ILMN_1218340	0	0
232196	C87436	-0.002	0.048	0.059	0	0	0	0	0	0	NM_146170	expressed sequence C87436 (C87436), mRNA.	Mme-M300017566	ILMN_2882473	0	0
381590	C87499	-0.154	-0.053	0.000	0	0	0	0	0	0	NM_198663	expressed sequence C87499 (C87499), mRNA.	Mme-M300011492	ILMN_2662468	0	0
230558	C8a	-0.310	-0.030	0.025	0	0	0	0	0	0	NM_146148	complement component 8, alpha polypeptide (C8a), mRNA.	Mme-M300009665	ILMN_1213805	0	0
110382	C8b	0.244	0.082	-0.105	0	0	0	0	0	0	NM_133882	complement component 8, beta subunit (C8b), mRNA.	Mme-M200015801	ILMN_1227404	0	0
69379	C8g	0.042	-0.130	-0.114	0	0	0	0	0	0	NM_027062	complement component 8, gamma subunit (C8g), mRNA.	Mme-M200004940	ILMN_2637180	0	0
12279	C9	-0.175	-0.094	-0.068	0	0	0	0	0	0	NM_013485	complement component 9 (C9), mRNA.	Mme-M200006321	ILMN_2937379	0	0
67770	Caap1	0.196	-0.003	0.037	0	0	0	0	0	0	NM_026368	RIKEN cDNA 5830433M19 gene (5830433M19Rik), mRNA.	Mme-M200007722	ILMN_1217473	0	0
12283	Cab39	-0.051	0.012	0.011	0	0	0	0	0	0	NM_133781	calcium binding protein 39 (Cab39), mRNA.	Mme-M400001920	ILMN_2737878	0	0
69008	Cab39l	-0.103	-0.067	0.012	0	0	0	0	0	0	NM_026908	calcium binding protein 39-like (Cab39l), mRNA.	Mme-M400008944	ILMN_1217943	0	0
104248	Cabin1	-0.062	0.150	0.045	0	0	0	0	0	0	NM_172549	calcineurin binding protein 1 (Cabin1), mRNA.	Mme-M300002058	ILMN_2541878	0	0
63955	Cables1	-0.102	-0.403	-0.113	0	0	0	0	0	0	NM_022021	Cdk5 and Abl enzyme substrate 1 (Cables1), mRNA.	Mme-M300012953	ILMN_1216100	0	0
252966	Cables2	-0.145	-0.085	0.135	0	0	0	0	0	0	NM_145851	Cdk5 and Abl enzyme substrate 2 (Cables2), mRNA.	Mme-M400002216	ILMN_1220084	0	0
29866	Cabp2	-0.284	-0.042	-0.020	0	0	0	0	0	0	NM_013878	calcium binding protein 2 (Cabp2), mRNA.	Mme-M200014454	ILMN_2915898	0	0
73660	Cabp4	0.034	0.173	-0.063	0	0	0	0	0	0	NM_144532	calcium binding protein 4 (Cabp4), mRNA.	Mme-M200013425	ILMN_2713354	0	0
29865	Cabp5	-0.356	0.050	-0.011	0	0	0	0	0	0	NM_013877	calcium binding protein 5 (Cabp5), mRNA.	Mme-M200008583	ILMN_1237612	0	0
192650	Cabp7	-0.217	-0.043	0.059	0	0	0	0	0	0	NM_138948	calcium binding protein 7 (Cabp7), mRNA.	Mme-M200013157	ILMN_2599292	0	0
70977	Cabs1	0.061	-0.323	0.075	0	0	0	0	0	0	NM_027631	RIKEN cDNA 4931407G18 gene (4931407G18Rik), mRNA.	Mme-M200012873	ILMN_1221187	0	0
71132	Cabyr	-0.213	0.018	-0.112	0	0	0	0	0	0	NM_001042419	calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2) (Cabyr), transcript variant 4, mRNA.	Mme-M300004125	ILMN_2664327	0	0
381356	Cacfd1	0.215	-0.061	-0.150	0	0	0	0	0	0	NM_029862	RIKEN cDNA 5930434B04 gene (5930434B04Rik), mRNA.	Mme-M400000232	ILMN_3070533	0	0
320508	Cachd1	-0.144	0.107	-0.158	0	0	0	0	0	0	NM_198037	cache domain containing 1 (Cachd1), mRNA.	Mme-M300006144	ILMN_1248895	0	0
12287	Cacna1b	-0.098	-0.088	-0.035	0	0	0	0	0	0	NM_001042528	calcium channel, voltage-dependent, N type, alpha 1B subunit (Cacna1b), transcript variant 1, mRNA.	Mme-M300000521	ILMN_1241072	0	0
12288	Cacna1c	0.070	0.088	-0.105	0	0	0	0	0	0	NM_009781	calcium channel, voltage-dependent, L type, alpha 1C subunit (Cacna1c), mRNA.	Mme-M300000228	ILMN_2682982	0	0
12289	Cacna1d	-0.100	0.164	-0.163	0	0	0	0	0	0	NM_028981	calcium channel, voltage-dependent, L type, alpha 1D subunit (Cacna1d), transcript variant 1, mRNA.	Mme-M200002824	ILMN_2663841	0	0
12290	Cacna1e	0.042	0.038	-0.007	0	0	0	0	0	0	NM_009782	calcium channel, voltage-dependent, R type, alpha 1E subunit (Cacna1e), mRNA.	Mme-M300000516	ILMN_2756414	0	0
54652	Cacna1f	-0.122	0.103	-0.034	0	0	0	0	0	0	NM_019582	calcium channel, voltage-dependent, alpha 1F subunit (Cacna1f), mRNA.	Mme-M200009164	ILMN_2745383	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12291	Cacna1g	0.128	0.191	-0.178	0	0	0	0	0	0	NM_001112813	calcium channel, voltage-dependent, T type, alpha 1G subunit (Cacna1g), transcript variant 2, mRNA.	Mme-M300002430	ILMN_1241838	0	0
58226	Cacna1h	-0.096	0.145	-0.190	0	0	0	0	0	0	NM_021415	calcium channel, voltage-dependent, T type, alpha 1H subunit (Cacna1h), mRNA.	Mme-M200011925	ILMN_1246201	0	0
239556	Cacna1i	-0.354	-0.058	0.061	0	0	0	0	0	0	NM_001044308	calcium channel, voltage-dependent, alpha 1I subunit (Cacna1i), mRNA.	Mme-M400008316	ILMN_1240531	0	0
12293	Cacna2d1	0.512	-0.158	-0.225	0	0	0	0	0	0	NM_001110846	calcium channel, voltage-dependent, alpha2/delta subunit 1 (Cacna2d1), transcript variant d, mRNA.	Mme-M400019196	ILMN_2752030	0	0
56808	Cacna2d2	0.042	0.126	-0.256	0	0	0	0	0	0	NM_020263	calcium channel, voltage-dependent, alpha 2/delta subunit 2 (Cacna2d2), mRNA.	Mme-M400000174	ILMN_2762925	0	0
12294	Cacna2d3	0.045	0.106	-0.151	0	0	0	0	0	0	NM_009785	calcium channel, voltage-dependent, alpha2/delta subunit 3 (Cacna2d3), mRNA.	Mme-M200013888	ILMN_2762672	0	0
319734	Cacna2d4	-0.324	-0.023	-0.064	0	0	0	0	0	0	NM_001033382	calcium channel, voltage-dependent, alpha 2/delta subunit 4 (Cacna2d4), mRNA.	Mme-M300013186	ILMN_1228480	0	0
12295	Cacnb1	0.010	0.049	-0.013	0	0	0	0	0	0	NM_145121	calcium channel, voltage-dependent, beta 1 subunit (Cacnb1), transcript variant variant 2, mRNA.	Mme-M200013529	ILMN_2603539	0	0
12296	Cacnb2	0.310	0.032	-0.172	0	0	0	0	0	0	NM_023116	calcium channel, voltage-dependent, beta 2 subunit (Cacnb2), mRNA.	Mme-M300011158	ILMN_1217815	0	0
12297	Cacnb3	-0.177	0.192	-0.058	0	0	0	0	0	0	NM_001044741	calcium channel, voltage-dependent, beta 3 subunit (Cacnb3), transcript variant 2, mRNA.	Mme-M300000409	ILMN_2702286	0	0
12298	Cacnb4	-0.374	-0.272	-0.124	0	0	0	0	0	0	NM_146123	calcium channel, voltage-dependent, beta 4 subunit (Cacnb4), transcript variant 2, mRNA.	Mme-M300001580	ILMN_3123491	0	0
12299	Cacng1	0.196	0.630	-0.205	0	1	0	0	1	0	NM_007582	calcium channel, voltage-dependent, gamma subunit 1 (Cacng1), mRNA.	Mme-M200014927	ILMN_2609549	1	0
12300	Cacng2	0.055	-0.054	-0.014	0	0	0	0	0	0	NM_007583	calcium channel, voltage-dependent, gamma subunit 2 (Cacng2), mRNA.	Mme-M200003169	ILMN_2778812	0	0
54376	Cacng3	0.433	0.172	0.027	0	0	0	0	0	0	NM_019430	calcium channel, voltage-dependent, gamma subunit 3 (Cacng3), mRNA.	Mme-M400011307	ILMN_2843891	0	0
54377	Cacng4	0.153	-0.165	-0.167	0	0	0	0	0	0	NM_019431	calcium channel, voltage-dependent, gamma subunit 4 (Cacng4), mRNA.	Mme-M200008604	ILMN_2662214	0	0
140723	Cacng5	-0.058	0.165	0.132	0	0	0	0	0	0	NM_080644	calcium channel, voltage-dependent, gamma subunit 5 (Cacng5), mRNA.	Mme-M200015894	ILMN_2725698	0	0
54378	Cacng6	-0.350	0.131	-0.004	0	0	0	0	0	0	NM_133183	calcium channel, voltage-dependent, gamma subunit 6 (Cacng6), mRNA.	Mme-M400004273	ILMN_1256031	0	0
81904	Cacng7	0.056	0.187	0.003	0	0	0	0	0	0	NM_133189	calcium channel, voltage-dependent, gamma subunit 7 (Cacng7), mRNA.	Mme-M400004282	ILMN_2599327	0	0
81905	Cacng8	0.028	0.016	0.082	0	0	0	0	0	0	NM_133190	calcium channel, voltage-dependent, gamma subunit 8 (Cacng8), mRNA.	Mme-M400004455	ILMN_2709881	0	0
70312	Cactin	-0.380	-0.114	-0.094	0	0	0	0	0	0	NM_027381	RIKEN cDNA 2510012J08 gene (2510012J08Rik), mRNA.	Mme-M300009598	ILMN_2974280	0	0
78832	Cacul1	-0.086	-0.202	-0.004	0	0	0	0	0	0	NM_030197	RIKEN cDNA 2700078E11 gene (2700078E11Rik), mRNA.	Mme-M200007079	ILMN_2639714	0	0
12301	Cacybp	0.149	-0.023	0.092	0	0	0	0	0	0	NM_009786	calcyclin binding protein (Cacybp), mRNA.	Mme-M200002969	ILMN_2638958	0	0
69719	Cad	0.275	0.161	-0.078	0	0	0	0	0	0	NM_023525	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase (Cad), mRNA.	Mme-M200006466	ILMN_2761247	0	0
54725	Cadm1	-0.082	0.165	0.101	0	0	0	0	0	0	NM_001025600	cell adhesion molecule 1 (Cadm1), transcript variant 4, mRNA.	Mme-M200004005	ILMN_2505841	0	0
239857	Cadm2	0.128	0.199	0.033	0	0	0	0	0	0	NM_178721	cell adhesion molecule 2 (Cadm2), mRNA.	Mme-M300010183	ILMN_2805442	0	0
94332	Cadm3	-0.122	0.005	0.217	0	0	0	0	0	0	NM_053199	cell adhesion molecule 3 (Cadm3), mRNA.	Mme-M200008178	ILMN_1254663	0	0
27062	Cadps	-0.155	-0.027	0.060	0	0	0	0	0	0	NM_001042617	Ca2+-dependent secretion activator (Cadps), transcript variant 2, mRNA.	Mme-M400010000	ILMN_1258636	0	0
320405	Cadps2	-0.102	-0.209	0.068	0	0	0	0	0	0	NM_153163	Ca2+-dependent activator protein for secretion 2 (Cadps2), mRNA.	Mme-M400000278	ILMN_2998313	0	0
12307	Calb1	0.254	-0.009	0.072	0	0	0	0	0	0	NM_009788	calbindin-28K (Calb1), mRNA.	Mme-M200000123	ILMN_1224884	0	0
12308	Calb2	-0.368	0.191	0.145	0	0	0	0	0	0	NM_007586	calbindin 2 (Calb2), mRNA.	Mme-M400000077	ILMN_2827729	0	0
12310	Calca	-0.205	-0.024	0.082	0	0	0	0	0	0	NM_001033954	calcitonin/calcitonin-related polypeptide, alpha (Calca), transcript variant 2, mRNA.	Mme-M300007351	ILMN_2491213	0	0
116903	Calcb	-0.133	-0.197	0.128	0	0	0	0	0	0	NM_054084	calcitonin-related polypeptide, beta (Calcb), mRNA.	Mme-M300007350	ILMN_1252436	0	0
67488	Calcoco1	0.281	0.133	0.106	0	0	0	0	0	0	NM_026192	calcium binding and coiled coil domain 1 (Calcoco1), mRNA.	Mme-M200005696	ILMN_1223327	0	0
76815	Calcoco2	0.056	0.034	0.061	0	0	0	0	0	0	NM_001100177	calcium binding and coiled-coil domain 2 (Calcoco2), transcript variant 2, mRNA.	Mme-M300000750	ILMN_2476579	0	0
12311	Calcr	-0.255	0.080	0.012	0	0	0	0	0	0	NM_001042725	calcitonin receptor (Calcr), transcript variant b, mRNA.	Mme-M400000708	ILMN_2776007	0	0
54598	Calcrl	-0.047	-0.030	-0.016	0	0	0	0	0	0	NM_018782	calcitonin receptor-like (Calcrl), mRNA.	Mme-M300005467	ILMN_1235390	0	0
109624	Cald1	0.398	-0.081	0.101	0	0	0	0	0	0	NM_145575	caldesmon 1 (Cald1), mRNA.	Mme-M200009022	ILMN_1232081	0	0
72691	Calhm2	-0.167	-0.070	-0.103	0	0	0	0	0	0	NM_133746	RIKEN cDNA 2810048G17 gene (2810048G17Rik), mRNA.	Mme-M200007132	ILMN_2677612	0	0
12313	Calm1	-0.074	-0.110	0.043	0	0	0	0	0	0	NM_009790	calmodulin 1 (Calm1), mRNA.	Mme-M200007524	ILMN_2677875	0	0
12314	Calm2	0.124	0.146	0.135	0	0	0	0	0	0	NM_007589	calmodulin 2 (Calm2), mRNA.	Mme-M300010379	ILMN_2775885	0	0
12315	Calm3	-0.244	-0.084	-0.060	0	0	0	0	0	0	NM_007590	calmodulin 3 (Calm3), mRNA.	Mme-M300001785	ILMN_1215681	0	0
80796	Calm4	-0.023	0.078	0.042	0	0	0	0	0	0	NM_020036	calmodulin 4 (Calm4), mRNA.	Mme-M400001588	ILMN_1219326	0	0
494124	Calm5	-0.084	0.036	0.050	0	0	0	0	0	0	NM_001008706	calmodulin 5 (Calm5), mRNA.	Mme-M400009960	ILMN_3160926	0	0
70405	Calml3	-0.119	-0.073	-0.056	0	0	0	0	0	0	NM_027416	calmodulin-like 3 (Calml3), mRNA.	Mme-M400008120	ILMN_2592901	0	0
75600	Calml4	0.082	-0.094	-0.061	0	0	0	0	0	0	NM_001102468	calmodulin-like 4 (Calml4), transcript variant 2, mRNA.	Mme-M200006095	ILMN_1246573	0	0
140904	Caln1	-0.088	0.362	-0.223	0	0	0	0	0	0	NM_181045	calneuron 1 (Caln1), transcript variant 1, mRNA.	Mme-M300004590	ILMN_1249022	0	0
12317	Calr	0.526	0.472	0.343	0	1	1	0	0	0	NM_007591	calreticulin (Calr), mRNA.	Mme-M200000746	ILMN_2861176	0	0
73316	Calr3	0.138	0.085	-0.137	0	0	0	0	0	0	NM_028500	calreticulin 3 (Calr3), transcript variant 1, mRNA.	Mme-M200016428	ILMN_1248535	0	0
108802	Calr4	-0.164	-0.055	0.008	0	0	0	0	0	0	NM_001033226	calreticulin 4 (Calr4), mRNA.	Mme-M300006157	ILMN_1226822	0	0
12321	Calu	0.223	0.157	0.134	0	0	0	0	0	0	NM_007594	calumenin (Calu), transcript variant 1, mRNA.	Mme-M200002562	ILMN_1218668	0	0
68566	Caly	-0.079	0.096	0.109	0	0	0	0	0	0	NM_026769	calcyon neuron-specific vesicular protein (Caly), mRNA.	Mme-M300004649	ILMN_2647530	0	0
52163	Camk1	-0.181	0.151	0.100	0	0	0	0	0	0	NM_133926	calcium/calmodulin-dependent protein kinase I (Camk1), mRNA.	Mme-M300007105	ILMN_2693677	0	0
227541	Camk1d	0.192	-0.141	0.407	0	0	1	0	0	1	NM_177343	calcium/calmodulin-dependent protein kinase ID (Camk1d), mRNA.	Mme-M400004013	ILMN_1220441	1	0
215303	Camk1g	-0.012	0.088	-0.144	0	0	0	0	0	0	NM_144817	calcium/calmodulin-dependent protein kinase I gamma (Camk1g), mRNA.	Mme-M200008274	ILMN_2856865	0	0
12322	Camk2a	0.632	0.447	-0.127	0	1	0	0	0	0	NM_009792	calcium/calmodulin-dependent protein kinase II alpha (Camk2a), transcript variant 1, mRNA.	Mme-M300004241	ILMN_2596479	0	0
12323	Camk2b	0.768	0.326	-0.217	1	0	0	0	0	0	NM_007595	calcium/calmodulin-dependent protein kinase II, beta (Camk2b), mRNA.	Mme-M200001998	ILMN_1236009	0	0
108058	Camk2d	0.140	-0.168	-0.086	0	0	0	0	0	0	NM_023813	calcium/calmodulin-dependent protein kinase II, delta (Camk2d), transcript variant 3, mRNA.	Mme-M300005877	ILMN_1222123	0	0
12325	Camk2g	-0.052	0.179	0.176	0	0	0	0	0	0	NM_001039139	calcium/calmodulin-dependent protein kinase II gamma (Camk2g), transcript variant 3, mRNA.	Mme-M300002968	ILMN_2765196	0	0
66259	Camk2n1	1.146	0.214	-0.196	1	0	0	1	0	0	NM_025451	calcium/calmodulin-dependent protein kinase II inhibitor 1 (Camk2n1), mRNA.	Mme-M300017353	ILMN_2487046	1	0
73047	Camk2n2	-0.085	-0.168	-0.151	0	0	0	0	0	0	NM_028420	calcium/calmodulin-dependent protein kinase II inhibitor 2 (Camk2n2), mRNA.	Mme-M200007064	ILMN_1241161	0	0
12326	Camk4	0.067	0.248	0.054	0	0	0	0	0	0	NM_009793	calcium/calmodulin-dependent protein kinase IV (Camk4), mRNA.	Mme-M200001126	ILMN_2708107	0	0
55984	Camkk1	0.211	0.157	-0.032	0	0	0	0	0	0	NM_018883	calcium/calmodulin-dependent protein kinase kinase 1, alpha (Camkk1), mRNA.	Mme-M200002844	ILMN_1242310	0	0
207565	Camkk2	0.546	0.134	-0.035	0	0	0	0	0	0	NM_145358	calcium/calmodulin-dependent protein kinase kinase 2, beta (Camkk2), mRNA.	Mme-M200015884	ILMN_2846803	0	0
73582	Camkmt	0.055	0.028	-0.019	0	0	0	0	0	0	NM_028576	RIKEN cDNA 1700106N22 gene (1700106N22Rik), mRNA.	Mme-M200014592	ILMN_1242751	0	0
235604	Camkv	0.027	0.256	-0.076	0	0	0	0	0	0	NM_145621	CaM kinase-like vesicle-associated (Camkv), mRNA.	Mme-M200013299	ILMN_1243596	0	0
12328	Caml	0.211	0.035	-0.132	0	0	0	0	0	0	NM_007596	calcium modulating ligand (Caml), mRNA.	Mme-M200000874	ILMN_2728034	0	0
12796	Camp	0.080	0.391	0.433	0	0	1	0	0	1	NM_009921	cathelicidin antimicrobial peptide (Camp), mRNA.	Mme-M200001469	ILMN_2766604	1	0
227634	Camsap1	-0.145	-0.051	0.042	0	0	0	0	0	0	NM_001115076	calmodulin regulated spectrin-associated protein 1 (Camsap1), mRNA.	Mme-M400000971	ILMN_2650793	0	0
67886	Camsap2	-0.045	0.092	-0.032	0	0	0	0	0	0	NM_001081360	calmodulin regulated spectrin-associated protein 1-like 1 (Camsap1l1), mRNA.	Mme-M300013229	ILMN_2569151	0	0
69697	Camsap3	-0.021	0.000	-0.047	0	0	0	0	0	0	NM_027171	RIKEN cDNA 2310057J16 gene (2310057J16Rik), mRNA.	Mme-M200005907	ILMN_1235207	0	0
100072	Camta1	-0.219	-0.178	-0.100	0	0	0	0	0	0	NM_001081557	calmodulin binding transcription activator 1 (Camta1), transcript variant 1, mRNA.	Mme-M300001313	ILMN_2481026	0	0
216874	Camta2	0.053	-0.130	-0.051	0	0	0	0	0	0	NM_178116	calmodulin binding transcription activator 2 (Camta2), mRNA.	Mme-M300012811	ILMN_1220834	0	0
67088	Cand2	0.008	0.077	-0.056	0	0	0	0	0	0	NM_025958	cullin-associated and neddylation-dissociated 2 (putative) (Cand2), mRNA.	Mme-M300007136	ILMN_2619869	0	0
76025	Cant1	-0.220	-0.147	0.050	0	0	0	0	0	0	NM_001025618	calcium activated nucleotidase 1 (Cant1), transcript variant 3, mRNA.	Mme-M300004698	ILMN_3113639	0	0
12330	Canx	0.240	-0.001	0.000	0	0	0	0	0	0	NM_001110500	calnexin (Canx), transcript variant 3, mRNA.	Mme-M200009682	ILMN_2632083	0	0
12331	Cap1	-0.090	0.217	0.054	0	0	0	0	0	0	NM_007598	CAP, adenylate cyclase-associated protein 1 (yeast) (Cap1), mRNA.	Mme-M200002734	ILMN_2648661	0	0
67252	Cap2	0.787	0.037	0.013	1	0	0	0	0	0	NM_026056	CAP, adenylate cyclase-associated protein, 2 (yeast) (Cap2), mRNA.	Mme-M200014106	ILMN_2739218	0	0
12332	Capg	-0.102	0.146	-0.050	0	0	0	0	0	0	NM_007599	capping protein (actin filament), gelsolin-like (Capg), transcript variant 1, mRNA.	Mme-M400005613	ILMN_3115281	0	0
12333	Capn1	-0.007	-0.150	0.065	0	0	0	0	0	0	NM_001110504	calpain 1 (Capn1), transcript variant 2, mRNA.	Mme-M200002319	ILMN_2981550	0	0
23830	Capn10	-0.175	-0.069	-0.119	0	0	0	0	0	0	NM_011796	calpain 10 (Capn10), mRNA.	Mme-M200006529	ILMN_2758502	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
268958	Capn11	-0.162	0.000	-0.008	0	0	0	0	0	0	NM_001013767	calpain 11 (Capn11), mRNA.	Mme-M400001907	ILMN_3003124	0	0
60594	Capn12	-0.288	-0.053	0.032	0	0	0	0	0	0	NM_001110807	calpain 12 (Capn12), mRNA.	Mme-M200015572	ILMN_2666371	0	0
381122	Capn13	-0.295	-0.038	-0.015	0	0	0	0	0	0	NM_001033444	calpain 13 (Capn13), mRNA.	Mme-M400002785	ILMN_3160190	0	0
12334	Capn2	0.215	-0.052	0.144	0	0	0	0	0	0	NM_009794	calpain 2 (Capn2), mRNA.	Mme-M300005151	ILMN_1219583	0	0
12335	Capn3	0.131	0.140	0.176	0	0	0	0	0	0	NM_001109761	calpain 3 (Capn3), transcript variant b, mRNA.	Mme-M300005565	ILMN_2771518	0	0
12337	Capn5	-0.100	-0.018	0.080	0	0	0	0	0	0	NM_007602	calpain 5 (Capn5), mRNA.	Mme-M200002956	ILMN_2627566	0	0
12338	Capn6	0.038	-0.074	-0.095	0	0	0	0	0	0	NM_007603	calpain 6 (Capn6), mRNA.	Mme-M400010742	ILMN_2695143	0	0
12339	Capn7	0.109	-0.193	-0.019	0	0	0	0	0	0	NM_009796	calpain 7 (Capn7), mRNA.	Mme-M200004997	ILMN_2675535	0	0
170725	Capn8	0.055	-0.143	-0.088	0	0	0	0	0	0	NM_130890	calpain 8 (Capn8), mRNA.	Mme-M300011653	ILMN_2805144	0	0
73647	Capn9	-0.222	0.130	-0.111	0	0	0	0	0	0	NM_023709	calpain 9 (nCL-4) (Capn9), mRNA.	Mme-M200002309	ILMN_2638509	0	0
12336	Capns1	0.144	0.032	0.111	0	0	0	0	0	0	NM_009795	calpain, small subunit 1 (Capns1), mRNA.	Mme-M300000233	ILMN_2772248	0	0
69543	Capns2	0.314	0.108	0.009	0	0	0	0	0	0	XM_894405	PREDICTED: calpain, small subunit 2 (Capns2), mRNA.	Mme-M400013188	ILMN_2427874	0	0
53872	Caprin1	-0.014	0.012	0.076	0	0	0	0	0	0	NM_001111290	cell cycle associated protein 1 (Caprin1), transcript variant 3, mRNA.	Mme-M300005499	ILMN_1247066	0	0
232560	Caprin2	-0.185	-0.212	-0.051	0	0	0	0	0	0	NM_181541	caprin family member 2 (Caprin2), mRNA.	Mme-M300007129	ILMN_2618109	0	0
353025	Caps2	-0.058	0.052	-0.085	0	0	0	0	0	0	NM_178278	calcyphosphine 2 (Caps2), mRNA.	Mme-M300010045	ILMN_1247508	0	0
75568	Capsl	0.168	0.050	-0.123	0	0	0	0	0	0	NM_029341	calcyphosine-like (Capsl), mRNA.	Mme-M200015587	ILMN_2764466	0	0
12340	Capza1	-0.417	-0.023	0.028	0	0	0	0	0	0	NM_009797	capping protein (actin filament) muscle Z-line, alpha 1 (Capza1), mRNA.	Mme-M400003327	ILMN_2921526	0	0
12343	Capza2	0.199	0.063	-0.081	0	0	0	0	0	0	NM_007604	capping protein (actin filament) muscle Z-line, alpha 2 (Capza2), mRNA.	Mme-M200001383	ILMN_2674866	0	0
12344	Capza3	-0.129	-0.020	-0.021	0	0	0	0	0	0	NM_007605	capping protein (actin filament) muscle Z-line, alpha 3 (Capza3), mRNA.	Mme-M400002547	ILMN_2618766	0	0
12345	Capzb	0.192	0.282	0.149	0	0	0	0	0	0	NM_001037761	capping protein (actin filament) muscle Z-line, beta (Capzb), transcript variant 1, mRNA.	Mme-M400010345	ILMN_3031009	0	0
12346	Car1	-0.118	0.155	0.165	0	0	0	0	0	0	NM_001083957	carbonic anhydrase 1 (Car1), transcript variant 2, mRNA.	Mme-M400001022	ILMN_1236588	0	0
72605	Car10	-0.073	0.019	-0.007	0	0	0	0	0	0	NM_028296	carbonic anhydrase 10 (Car10), mRNA.	Mme-M300011041	ILMN_2594325	0	0
12348	Car11	0.066	-0.076	-0.021	0	0	0	0	0	0	NM_009800	carbonic anhydrase 11 (Car11), mRNA.	Mme-M200005678	ILMN_1248563	0	0
76459	Car12	0.114	0.073	-0.796	0	0	-1	0	0	-1	NM_178396	carbonic anyhydrase 12 (Car12), mRNA.	Mme-M200004118	ILMN_1251713	0	1
71934	Car13	0.072	-0.268	0.186	0	0	0	0	0	0	NM_024495	carbonic anhydrase 13 (Car13), mRNA.	Mme-M200010461	ILMN_1249727	0	0
23831	Car14	-0.167	-0.073	-0.155	0	0	0	0	0	0	NM_011797	carbonic anhydrase 14 (Car14), mRNA.	Mme-M400011170	ILMN_2588759	0	0
80733	Car15	-0.003	0.041	0.003	0	0	0	0	0	0	NM_030558	carbonic anhydrase 15 (Car15), mRNA.	Mme-M400000068	ILMN_2871660	0	0
12349	Car2	-0.085	0.130	0.159	0	0	0	0	0	0	NM_009801	carbonic anhydrase 2 (Car2), mRNA.	Mme-M300005701	ILMN_2606746	0	0
12350	Car3	0.657	-0.023	-0.253	1	0	0	0	0	0	NM_007606	carbonic anhydrase 3 (Car3), mRNA.	Mme-M200000108	ILMN_2630047	0	0
12351	Car4	0.303	-0.180	0.046	0	0	0	0	0	0	NM_007607	carbonic anhydrase 4 (Car4), mRNA.	Mme-M200000659	ILMN_2655795	0	0
12352	Car5a	0.002	0.008	-0.008	0	0	0	0	0	0	NM_007608	carbonic anhydrase 5a, mitochondrial (Car5a), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008819	ILMN_2640388	0	0
56078	Car5b	-0.167	-0.207	0.132	0	0	0	0	0	0	NM_181315	carbonic anhydrase 5b, mitochondrial (Car5b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300007690	ILMN_2670368	0	0
12353	Car6	-0.124	0.021	0.082	0	0	0	0	0	0	NM_009802	carbonic anhydrase 6 (Car6), mRNA.	Mme-M200003854	ILMN_1257323	0	0
12354	Car7	-0.187	0.013	-0.065	0	0	0	0	0	0	NM_053070	carbonic anhydrase 7 (Car7), mRNA.	Mme-M300007956	ILMN_2752362	0	0
12319	Car8	-0.529	0.038	-0.036	0	0	0	0	0	0	NM_007592	carbonic anhydrase 8 (Car8), mRNA.	Mme-M400002486	ILMN_2682015	0	0
230099	Car9	-0.186	-0.100	-0.081	0	0	0	0	0	0	NM_139305	carbonic anhydrase 9 (Car9), mRNA.	Mme-M200014286	ILMN_2874084	0	0
105844	Card10	-0.039	0.165	-0.251	0	0	0	0	0	0	NM_130859	caspase recruitment domain family, member 10 (Card10), mRNA.	Mme-M200003523	ILMN_2606660	0	0
108723	Card11	0.097	0.248	0.045	0	0	0	0	0	0	NM_175362	caspase recruitment domain family, member 11 (Card11), mRNA.	Mme-M300010418	ILMN_1254529	0	0
170720	Card14	-0.177	-0.120	0.059	0	0	0	0	0	0	NM_130886	caspase recruitment domain family, member 14 (Card14), mRNA.	Mme-M200009027	ILMN_2667164	0	0
239319	Card6	-0.100	-0.006	0.051	0	0	0	0	0	0	XM_139295	PREDICTED: caspase recruitment domain family, member 6 (Card6), mRNA.	Mme-M300013389	ILMN_2649121	0	0
241066	Carf	-0.130	-0.046	0.092	0	0	0	0	0	0	NM_139150	calcium response factor (Carf), mRNA.	Mme-M200012157	ILMN_2629161	0	0
52502	Carhsp1	0.052	0.231	-0.221	0	0	0	0	0	0	NM_025821	calcium regulated heat stable protein 1 (Carhsp1), mRNA.	Mme-M200009373	ILMN_1225035	0	0
69225	Carkd	0.106	-0.017	-0.109	0	0	0	0	0	0	NM_026995	RIKEN cDNA 0710008K08 gene (0710008K08Rik), mRNA.	Mme-M300007750	ILMN_2746968	0	0
107239	Carns1	-0.093	-0.026	-0.055	0	0	0	0	0	0	XM_902445	PREDICTED: expressed sequence AI790298, transcript variant 3 (AI790298), mRNA.	Mme-M200015384	ILMN_1234746	0	0
27267	Cars	-0.084	-0.032	-0.016	0	0	0	0	0	0	NM_013742	cysteinyl-tRNA synthetase (Cars), mRNA.	Mme-M200004143	ILMN_2690423	0	0
27220	Cartpt	-0.157	-0.354	-0.121	0	0	0	0	0	0	NM_001081493	CART prepropeptide (Cartpt), transcript variant 2, mRNA.	Mme-M200003793	ILMN_2719755	0	0
320662	Casc1	-0.425	0.117	0.065	0	0	0	0	0	0	NM_177222	cancer susceptibility candidate 1 (Casc1), mRNA.	Mme-M300012635	ILMN_2906552	0	0
192160	Casc3	0.041	0.055	0.080	0	0	0	0	0	0	NM_138660	cancer susceptibility candidate 3 (Casc3), mRNA.	Mme-M200008250	ILMN_2999007	0	0
319996	Casc4	-0.147	0.140	-0.072	0	0	0	0	0	0	NM_177054	cancer susceptibility candidate 4 (Casc4), transcript variant 1, mRNA.	Mme-M300018505	ILMN_2614203	0	0
76464	Casc5	0.239	0.061	-0.062	0	0	0	0	0	0	NM_029617	cancer susceptibility candidate 5 (Casc5), mRNA.	Mme-M300005585	ILMN_2661412	0	0
213819	Casd1	0.108	0.019	-0.004	0	0	0	0	0	0	NM_145398	CAS1 domain containing 1 (Casd1), mRNA.	Mme-M300001373	ILMN_2768787	0	0
12361	Cask	0.134	0.007	0.045	0	0	0	0	0	0	NM_009806	calcium/calmodulin-dependent serine protein kinase (MAGUK family) (Cask), mRNA.	Mme-M400019274	ILMN_1212894	0	0
268932	Caskin1	-0.210	-0.087	-0.274	0	0	0	0	0	0	NM_027937	CASK interacting protein 1 (Caskin1), mRNA.	Mme-M300008854	ILMN_1231762	0	0
140721	Caskin2	-0.582	-0.158	-0.131	0	0	0	0	0	0	NM_080643	cask-interacting protein 2 (Caskin2), mRNA.	Mme-M200013352	ILMN_1259822	0	0
12362	Casp1	0.034	0.457	0.431	0	1	1	0	0	1	NM_009807	caspase 1 (Casp1), mRNA.	Mme-M200000383	ILMN_1247592	1	0
12364	Casp12	0.242	0.104	0.139	0	0	0	0	0	0	NM_009808	caspase 12 (Casp12), mRNA.	Mme-M300004831	ILMN_2989535	0	0
12365	Casp14	-0.322	-0.050	-0.031	0	0	0	0	0	0	NM_009809	caspase 14 (Casp14), mRNA.	Mme-M200004017	ILMN_1241322	0	0
12366	Casp2	0.105	0.070	0.050	0	0	0	0	0	0	NM_007610	caspase 2 (Casp2), mRNA.	Mme-M200001508	ILMN_2637266	0	0
12367	Casp3	0.140	-0.068	0.174	0	0	0	0	0	0	NM_009810	caspase 3 (Casp3), mRNA.	Mme-M400010978	ILMN_2939071	0	0
12363	Casp4	0.366	0.696	0.383	0	1	1	0	1	0	NM_007609	caspase 4, apoptosis-related cysteine peptidase (Casp4), mRNA.	Mme-M200000637	ILMN_2811737	1	0
12368	Casp6	0.202	0.063	0.143	0	0	0	0	0	0	NM_009811	caspase 6 (Casp6), mRNA.	Mme-M200006178	ILMN_2923864	0	0
12369	Casp7	0.075	0.514	0.127	0	1	0	0	0	0	NM_007611	caspase 7 (Casp7), mRNA.	Mme-M300004466	ILMN_2648548	0	0
12370	Casp8	0.234	0.368	0.231	0	0	0	0	0	0	NM_001080126	caspase 8 (Casp8), transcript variant 2, mRNA.	Mme-M200002987	ILMN_3097868	0	0
12371	Casp9	-0.224	-0.061	-0.181	0	0	0	0	0	0	NM_015733	caspase 9 (Casp9), mRNA.	Mme-M200015955	ILMN_1217061	0	0
12372	Casq1	1.823	0.594	-0.070	1	1	0	1	1	0	NM_009813	calsequestrin 1 (Casq1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003140	ILMN_2773330	2	0
12373	Casq2	0.153	0.099	-0.071	0	0	0	0	0	0	NM_009814	calsequestrin 2 (Casq2), mRNA.	Mme-M400001033	ILMN_1247775	0	0
12374	Casr	-0.010	-0.046	-0.016	0	0	0	0	0	0	NM_013803	calcium-sensing receptor (Casr), mRNA.	Mme-M200008557	ILMN_2588631	0	0
320664	Cass4	-0.084	0.037	0.057	0	0	0	0	0	0	NM_001080820	Cas scaffolding protein family member 4 (Cass4), transcript variant 2, mRNA.	Mme-M300005667	ILMN_3138107	0	0
12380	Cast	-0.082	0.076	0.088	0	0	0	0	0	0	NM_009817	calpastatin (Cast), mRNA.	Mme-M400000490	ILMN_2689756	0	0
69743	Casz1	-0.325	-0.409	-0.096	0	0	0	0	0	0	NM_027195	castor homolog 1, zinc finger (Drosophila) (Casz1), mRNA.	Mme-M200014241	ILMN_2665095	0	0
12359	Cat	0.073	-0.161	0.181	0	0	0	0	0	0	NM_009804	catalase (Cat), mRNA.	Mme-M300005501	ILMN_2772845	0	0
241112	Catip	-0.069	-0.082	0.010	0	0	0	0	0	0	NM_001033345	gene model 216, (NCBI) (Gm216), mRNA.	Mme-M400005577	ILMN_3038912	0	0
225865	Catsper1	-0.212	-0.028	-0.006	0	0	0	0	0	0	NM_139301	cation channel of sperm 1 (Catsper1), mRNA.	Mme-M200015830	ILMN_2617459	0	0
212670	Catsper2	-0.006	-0.115	-0.092	0	0	0	0	0	0	NM_153075	cation channel, sperm associated 2 (Catsper2), mRNA.	Mme-M200015354	ILMN_2721083	0	0
76856	Catsper3	-0.539	-0.061	-0.065	0	0	0	0	0	0	NM_029772	cation channel, sperm associated 3 (Catsper3), mRNA.	Mme-M200011213	ILMN_2998446	0	0
271036	Catsperb	-0.036	0.012	-0.064	0	0	0	0	0	0	NM_173023	cation channel, sperm-associated, beta (Catsperb), mRNA.	Mme-M300017881	ILMN_2767554	0	0
106757	Catsperd	-0.138	-0.056	-0.059	0	0	0	0	0	0	XM_001052081	PREDICTED: transmembrane protein 146 (Tmem146), mRNA.	Mme-M300012884	ILMN_1234738	0	0
76718	Catsperg2	-0.178	0.106	0.016	0	0	0	0	0	0	NM_029714	RIKEN cDNA 1700067C01 gene (1700067C01Rik), mRNA.	Mme-M300010735	ILMN_2729229	0	0
12389	Cav1	0.054	-0.169	0.013	0	0	0	0	0	0	NM_007616	caveolin, caveolae protein 1 (Cav1), mRNA.	Mme-M200005924	ILMN_2632665	0	0
12390	Cav2	0.120	0.093	0.137	0	0	0	0	0	0	NM_016900	caveolin 2 (Cav2), mRNA.	Mme-M200007162	ILMN_2639018	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12391	Cav3	0.273	0.015	0.042	0	0	0	0	0	0	NM_007617	caveolin 3 (Cav3), mRNA.	Mme-M300017362	ILMN_2603299	0	0
12396	Cbfa2t2	-0.256	0.103	-0.115	0	0	0	0	0	0	NM_009823	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human) (Cbfa2t2), transcript variant 2, mR	Mme-M300011605	ILMN_1235850	0	0
12398	Cbfa2t3	0.150	0.182	-0.003	0	0	0	0	0	0	NM_177289	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 (human) (Cbfa2t3), transcript variant 3, mR	Mme-M300000788	ILMN_1216136	0	0
12400	Cbfb	-0.077	0.138	0.091	0	0	0	0	0	0	NM_022309	core binding factor beta (Cbfb), mRNA.	Mme-M200000766	ILMN_2671644	0	0
12402	Cbl	-0.205	-0.023	-0.080	0	0	0	0	0	0	NM_007619	Casitas B-lineage lymphoma (Cbl), mRNA.	Mme-M300009297	ILMN_2649011	0	0
208650	Cblb	0.162	0.071	-0.052	0	0	0	0	0	0	NM_001033238	Casitas B-lineage lymphoma b (Cblb), mRNA.	Mme-M400007903	ILMN_2702039	0	0
80794	Cblc	-0.294	-0.136	-0.049	0	0	0	0	0	0	NM_023224	Casitas B-lineage lymphoma c (Cblc), mRNA.	Mme-M400002388	ILMN_2738699	0	0
104836	Cbll1	0.425	-0.070	0.026	0	0	0	0	0	0	NM_134048	Casitas B-lineage lymphoma-like 1 (Cbll1), mRNA.	Mme-M200007287	ILMN_2725517	0	0
12404	Cbln1	-0.139	0.082	-0.333	0	0	-1	0	0	0	NM_019626	cerebellin 1 precursor protein (Cbln1), mRNA.	Mme-M200002012	ILMN_1252953	0	0
12405	Cbln2	0.042	0.093	-0.076	0	0	0	0	0	0	NM_172633	cerebellin 2 precursor protein (Cbln2), mRNA.	Mme-M300004252	ILMN_2894369	0	0
56410	Cbln3	-0.207	-0.096	-0.069	0	0	0	0	0	0	NM_019820	cerebellin 3 precursor protein (Cbln3), mRNA.	Mme-M200016146	ILMN_1242272	0	0
228942	Cbln4	0.087	0.657	-0.110	0	1	0	0	1	0	NM_175631	cerebellin 4 precursor protein (Cbln4), mRNA.	Mme-M400012320	ILMN_2639849	1	0
12408	Cbr1	-0.087	-0.159	-0.021	0	0	0	0	0	0	NM_007620	carbonyl reductase 1 (Cbr1), mRNA.	Mme-M400003830	ILMN_1236522	0	0
12409	Cbr2	0.741	-0.953	-0.221	1	-1	0	0	-1	0	NM_007621	carbonyl reductase 2 (Cbr2), mRNA.	Mme-M200004133	ILMN_2756665	0	1
109857	Cbr3	-0.283	-0.375	0.056	0	0	0	0	0	0	NM_173047	carbonyl reductase 3 (Cbr3), mRNA.	Mme-M300003595	ILMN_2608811	0	0
234309	Cbr4	0.183	-0.056	-0.010	0	0	0	0	0	0	NM_145595	carbonyl reductase 4 (Cbr4), mRNA.	Mme-M200006301	ILMN_2727785	0	0
12411	Cbs	-0.086	0.072	-0.080	0	0	0	0	0	0	NM_178224	cystathionine beta-synthase (Cbs), transcript variant 2, mRNA.	Mme-M200013088	ILMN_1230318	0	0
226043	Cbwd1	0.007	-0.063	-0.023	0	0	0	0	0	0	NM_146097	COBW domain containing 1 (Cbwd1), mRNA.	Mme-M300004357	ILMN_2709864	0	0
12412	Cbx1	0.178	0.057	-0.003	0	0	0	0	0	0	NM_007622	chromobox homolog 1 (Drosophila HP1 beta) (Cbx1), mRNA.	Mme-M300001713	ILMN_2728997	0	0
12416	Cbx2	-0.160	0.180	-0.031	0	0	0	0	0	0	NM_007623	chromobox homolog 2 (Drosophila Pc class) (Cbx2), mRNA.	Mme-M300004702	ILMN_2692207	0	0
12417	Cbx3	0.031	-0.137	-0.038	0	0	0	0	0	0	NM_007624	chromobox homolog 3 (Drosophila HP1 gamma) (Cbx3), mRNA.	Mme-M400010745	ILMN_1230808	0	0
12418	Cbx4	0.124	0.022	-0.098	0	0	0	0	0	0	NM_007625	chromobox homolog 4 (Drosophila Pc class) (Cbx4), mRNA.	Mme-M200002723	ILMN_2690038	0	0
12419	Cbx5	0.162	0.219	-0.036	0	0	0	0	0	0	NM_001076789	chromobox homolog 5 (Drosophila HP1a) (Cbx5), transcript variant 2, mRNA.	Mme-M300001056	ILMN_1225197	0	0
494448	Cbx6	0.170	-0.090	-0.146	0	0	0	0	0	0	NM_028763	chromobox homolog 6 (Cbx6), mRNA.	Mme-M400004667	ILMN_1258688	0	0
52609	Cbx7	0.058	0.133	0.183	0	0	0	0	0	0	NM_144811	chromobox homolog 7 (Cbx7), mRNA.	Mme-M300000077	ILMN_2947234	0	0
30951	Cbx8	0.131	0.099	-0.001	0	0	0	0	0	0	NM_013926	chromobox homolog 8 (Drosophila Pc class) (Cbx8), mRNA.	Mme-M200016200	ILMN_1232016	0	0
73739	Cby1	-0.032	0.071	-0.019	0	0	0	0	0	0	NM_028634	chibby homolog 1 (Drosophila) (Cby1), mRNA.	Mme-M200007658	ILMN_2760937	0	0
212139	Cc2d1a	-0.022	-0.139	-0.118	0	0	0	0	0	0	NM_145970	coiled-coil and C2 domain containing 1A (Cc2d1a), mRNA.	Mme-M300010496	ILMN_2645613	0	0
319965	Cc2d1b	0.104	0.176	-0.107	0	0	0	0	0	0	NM_177045	coiled-coil and C2 domain containing 1B (Cc2d1b), mRNA.	Mme-M300006168	ILMN_2731197	0	0
231214	Cc2d2a	0.206	-0.280	-0.078	0	0	0	0	0	0	NM_172274	coiled-coil and C2 domain containing 2A (Cc2d2a), mRNA.	Mme-M300012357	ILMN_2704619	0	0
668310	Cc2d2b	-0.402	0.057	0.055	0	0	0	0	0	0	XM_994191	PREDICTED: predicted gene, EG668310 (EG668310), mRNA.	Mme-M400006578	ILMN_1219804	0	0
219158	Ccar2	0.032	0.112	-0.057	0	0	0	0	0	0	XM_985344	PREDICTED: RIKEN cDNA 2610301G19 gene (2610301G19Rik), mRNA.	Mme-M300008901	ILMN_2731463	0	0
320924	Ccbe1	-0.116	-0.050	0.039	0	0	0	0	0	0	NM_178793	collagen and calcium binding EGF domains 1 (Ccbe1), mRNA.	Mme-M300017236	ILMN_2741601	0	0
70266	Ccbl1	-0.055	-0.070	-0.112	0	0	0	0	0	0	NM_172404	cysteine conjugate-beta lyase 1 (Ccbl1), mRNA.	Mme-M300012282	ILMN_2623735	0	0
229905	Ccbl2	0.054	-0.304	-0.061	0	0	0	0	0	0	NM_173763	cysteine conjugate-beta lyase 2 (Ccbl2), mRNA.	Mme-M300012559	ILMN_1256103	0	0
75565	Ccdc101	0.051	-0.187	0.044	0	0	0	0	0	0	NM_029339	coiled-coil domain containing 101 (Ccdc101), mRNA.	Mme-M200004752	ILMN_1255358	0	0
234582	Ccdc102a	-0.166	-0.084	-0.099	0	0	0	0	0	0	NM_001033533	coiled-coil domain containing 102A (Ccdc102a), mRNA.	Mme-M400008339	ILMN_2849708	0	0
73293	Ccdc103	0.110	0.021	-0.019	0	0	0	0	0	0	NM_028492	coiled-coil domain containing 103 (Ccdc103), mRNA.	Mme-M200008454	ILMN_1224090	0	0
70976	Ccdc105	0.044	-0.037	0.045	0	0	0	0	0	0	XM_147407	PREDICTED: coiled-coil domain containing 105 (Ccdc105), mRNA.	Mme-M200010256	ILMN_2667856	0	0
232821	Ccdc106	-0.311	-0.077	-0.123	0	0	0	0	0	0	NM_146178	coiled-coil domain containing 106 (Ccdc106), mRNA.	Mme-M300009794	ILMN_2772899	0	0
622404	Ccdc107	-0.134	-0.182	-0.184	0	0	0	0	0	0	NM_001037913	hypothetical protein LOC622404 (LOC622404), mRNA.	Mme-M200008055	ILMN_2872552	0	0
241116	Ccdc108	0.062	-0.168	-0.041	0	0	0	0	0	0	NM_001039495	coiled-coil domain containing 108 (Ccdc108), mRNA.	Mme-M300017679	ILMN_3162084	0	0
66815	Ccdc109b	0.100	0.085	-0.086	0	0	0	0	0	0	NM_025779	coiled-coil domain containing 109B (Ccdc109b), mRNA.	Mme-M200007049	ILMN_1224021	0	0
212392	Ccdc110	0.002	0.049	0.016	0	0	0	0	0	0	NM_001033246	coiled-coil domain containing 110 (Ccdc110), mRNA.	Mme-M300011487	ILMN_2823947	0	0
240261	Ccdc112	-0.170	-0.014	-0.075	0	0	0	0	0	0	XM_140320	PREDICTED: coiled-coil domain containing 112 (Ccdc112), mRNA.	Mme-M400013629	ILMN_1248354	0	0
244608	Ccdc113	0.364	-0.024	-0.176	0	0	0	0	0	0	NM_172914	coiled-coil domain containing 113 (Ccdc113), mRNA.	Mme-M300010459	ILMN_2610277	0	0
211535	Ccdc114	0.038	0.109	-0.064	0	0	0	0	0	0	NM_001033243	coiled-coil domain containing 114 (Ccdc114), mRNA.	Mme-M200008893	ILMN_1231387	0	0
76872	Ccdc116	0.041	-0.004	0.017	0	0	0	0	0	0	NM_029779	coiled-coil domain containing 116 (Ccdc116), mRNA.	Mme-M200008447	ILMN_2764250	0	0
104479	Ccdc117	-0.021	-0.125	-0.119	0	0	0	0	0	0	NM_134033	coiled-coil domain containing 117 (Ccdc117), mRNA.	Mme-M200005695	ILMN_1259355	0	0
72654	Ccdc12	0.213	0.063	0.001	0	0	0	0	0	0	NM_028312	coiled-coil domain containing 12 (Ccdc12), mRNA.	Mme-M300001804	ILMN_1213231	0	0
54648	Ccdc120	-0.122	-0.267	-0.177	0	0	0	0	0	0	NM_207202	coiled-coil domain containing 120 (Ccdc120), mRNA.	Mme-M300007582	ILMN_2672543	0	0
403180	Ccdc121	-0.098	0.040	0.039	0	0	0	0	0	0	XM_619714	PREDICTED: coiled-coil domain containing 121 (Ccdc121), mRNA.	Mme-M300021311	ILMN_2764974	0	0
108811	Ccdc122	-0.059	0.022	-0.031	0	0	0	0	0	0	NM_175369	coiled-coil domain containing 122 (Ccdc122), mRNA.	Mme-M300009545	ILMN_2759932	0	0
234388	Ccdc124	-0.086	0.053	-0.149	0	0	0	0	0	0	NM_026964	coiled-coil domain containing 124 (Ccdc124), mRNA.	Mme-M200014063	ILMN_2944226	0	0
76041	Ccdc125	-0.122	-0.007	0.100	0	0	0	0	0	0	NM_183115	coiled-coil domain containing 125 (Ccdc125), mRNA.	Mme-M200005019	ILMN_2693679	0	0
57895	Ccdc126	0.058	-0.111	0.187	0	0	0	0	0	0	NM_175098	coiled-coil domain containing 126 (Ccdc126), mRNA.	Mme-M300021453	ILMN_2729235	0	0
67433	Ccdc127	-0.031	-0.050	-0.073	0	0	0	0	0	0	NM_024201	coiled-coil domain containing 127 (Ccdc127), mRNA.	Mme-M200013440	ILMN_1245467	0	0
232016	Ccdc129	0.016	-0.050	-0.127	0	0	0	0	0	0	NM_001081665	coiled-coil domain containing 129 (Ccdc129), mRNA.	Mme-M300011254	ILMN_2703364	0	0
67736	Ccdc130	-0.218	-0.124	0.049	0	0	0	0	0	0	NM_026350	coiled-coil domain containing 130 (Ccdc130), mRNA.	Mme-M200006834	ILMN_2756733	0	0
73288	Ccdc132	-0.197	-0.002	0.089	0	0	0	0	0	0	NM_024260	coiled-coil domain containing 132 (Ccdc132), mRNA.	Mme-M300000184	ILMN_2908874	0	0
76457	Ccdc134	0.172	0.000	-0.042	0	0	0	0	0	0	NM_172428	coiled-coil domain containing 134 (Ccdc134), mRNA.	Mme-M400012225	ILMN_1226712	0	0
232664	Ccdc136	-0.072	0.098	-0.049	0	0	0	0	0	0	XM_908853	PREDICTED: RIKEN cDNA 4921511K06 gene, transcript variant 5 (4921511K06Rik), mRNA.	Mme-M200009638	ILMN_1249790	0	0
67291	Ccdc137	-0.064	-0.089	-0.127	0	0	0	0	0	0	NM_152807	coiled-coil domain containing 137 (Ccdc137), mRNA.	Mme-M200005437	ILMN_2836246	0	0
76138	Ccdc138	-0.136	-0.009	0.042	0	0	0	0	0	0	XR_001533	PREDICTED: RIKEN cDNA 6230424H07 gene (6230424H07Rik), misc RNA.	Mme-M300011280	ILMN_2478718	0	0
545428	Ccdc141	0.051	-0.060	-0.066	0	0	0	0	0	0	NM_001025576	RIKEN cDNA 2610301F02 gene (2610301F02Rik), mRNA.	Mme-M400009172	ILMN_2991166	0	0
243510	Ccdc142	-0.070	-0.131	0.013	0	0	0	0	0	0	NM_001081266	coiled-coil domain containing 142 (Ccdc142), mRNA.	Mme-M400010438	ILMN_3023885	0	0
241943	Ccdc144b	-0.284	-0.291	0.172	0	0	0	0	0	0	NM_178418	coiled-coil domain containing 144B (Ccdc144b), mRNA.	Mme-M400003334	ILMN_2782841	0	0
227933	Ccdc148	0.008	-0.036	0.126	0	0	0	0	0	0	XM_978242	PREDICTED: cDNA sequence BC062650 (BC062650), mRNA.	Mme-M300010475	ILMN_1238995	0	0
245902	Ccdc15	-0.425	0.004	-0.152	0	0	0	0	0	0	NM_001081429	coiled-coil domain containing 15 (Ccdc15), mRNA.	Mme-M300009271	ILMN_2754569	0	0
78016	Ccdc150	-0.044	0.096	0.058	0	0	0	0	0	0	NM_030025	RIKEN cDNA 4930511H11 gene (4930511H11Rik), mRNA.	Mme-M200015214	ILMN_2695919	0	0
77609	Ccdc151	-0.088	0.065	-0.047	0	0	0	0	0	0	NM_029939	RIKEN cDNA C330001K17 gene (C330001K17Rik), mRNA.	Mme-M200011341	ILMN_1214455	0	0
384619	Ccdc155	-0.238	0.084	-0.066	0	0	0	0	0	0	NM_201374	cDNA sequence BC050196 (BC050196), mRNA.	Mme-M400002115	ILMN_1227083	0	0
216516	Ccdc157	-0.046	0.044	-0.034	0	0	0	0	0	0	NM_177616	RIKEN cDNA 4930562D19 gene (4930562D19Rik), mRNA.	Mme-M300020653	ILMN_2670624	0	0
320696	Ccdc158	-0.200	0.058	0.109	0	0	0	0	0	0	NM_177230	RIKEN cDNA 4932413O14 gene (4932413O14Rik), mRNA.	Mme-M300020760	ILMN_2620757	0	0
67119	Ccdc159	-0.320	-0.073	-0.320	0	0	-1	0	0	0	NM_025977	RIKEN cDNA 2510048L02 gene (2510048L02Rik), mRNA.	Mme-M300000769	ILMN_2815374	0	0
68394	Ccdc163	-0.058	0.076	0.107	0	0	0	0	0	0	NM_026714	RIKEN cDNA 0610037D15 gene (0610037D15Rik), mRNA.	Mme-M300006232	ILMN_1234456	0	0
223648	Ccdc166	0.164	-0.018	-0.010	0	0	0	0	0	0	XR_035296	PREDICTED: RIKEN cDNA 2410075B13 gene (2410075B13Rik), misc RNA.	Mme-M300015137	ILMN_2687918	0	0
320604	Ccdc169	-0.124	-0.057	-0.035	0	0	0	0	0	0	NM_177203	RIKEN cDNA A730037C10 gene (A730037C10Rik), mRNA.	Mme-M300019433	ILMN_1257390	0	0
622665	Ccdc17	0.058	-0.039	-0.015	0	0	0	0	0	0	NM_001037916	coiled-coil domain containing 17 (Ccdc17), mRNA.	Mme-M300009104	ILMN_2841917	0	0
320226	Ccdc171	-0.279	0.070	0.017	0	0	0	0	0	0	NM_001081012	RIKEN cDNA 4930473A06 gene (4930473A06Rik), mRNA.	Mme-M300006120	ILMN_2609237	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
75645	Ccdc172	-0.157	-0.084	-0.052	0	0	0	0	0	0	NM_029372	RIKEN cDNA 1700011F14 gene (1700011F14Rik), mRNA.	Mme-M200011016	ILMN_1249784	0	0
75051	Ccdc173	-0.095	0.041	-0.031	0	0	0	0	0	0	NM_001077684	RIKEN cDNA 4930578N16 gene (4930578N16Rik), mRNA.	Mme-M400002802	ILMN_1215057	0	0
232236	Ccdc174	0.007	0.054	-0.099	0	0	0	0	0	0	NM_172730	RIKEN cDNA C130022K22 gene (C130022K22Rik), mRNA.	Mme-M300009137	ILMN_2803004	0	0
73936	Ccdc175	-0.106	0.056	0.015	0	0	0	0	0	0	XM_916831	PREDICTED: RIKEN cDNA 4930403N07 gene (4930403N07Rik), mRNA.	Mme-M300002554	ILMN_2438479	0	0
72873	Ccdc176	0.260	-0.040	-0.028	0	0	0	0	0	0	NM_028377	RIKEN cDNA 2900006K08 gene (2900006K08Rik), mRNA.	Mme-M300013694	ILMN_1229947	0	0
380768	Ccdc177	-0.162	0.051	-0.114	0	0	0	0	0	0	NM_001008423	gene model 1568, (NCBI) (Gm1568), mRNA.	Mme-M400008051	ILMN_2863621	0	0
70950	Ccdc178	-0.043	0.125	-0.058	0	0	0	0	0	0	NM_027616	RIKEN cDNA 4921528I01 gene (4921528I01Rik), mRNA.	Mme-M300004056	ILMN_2716346	0	0
73254	Ccdc18	0.079	0.076	0.087	0	0	0	0	0	0	NM_028481	coiled-coil domain containing 18 (Ccdc18), mRNA.	Mme-M200015344	ILMN_1257698	0	0
74895	Ccdc181	-0.154	0.086	-0.135	0	0	0	0	0	0	NM_029115	RIKEN cDNA 4930455F23 gene (4930455F23Rik), mRNA.	Mme-M300005183	ILMN_2769153	0	0
77058	Ccdc183	-0.099	0.010	0.003	0	0	0	0	0	0	XM_913680	PREDICTED: RIKEN cDNA 4921530D09 gene (4921530D09Rik), mRNA.	Mme-M200015757	ILMN_2749622	0	0
239650	Ccdc184	-0.054	0.297	0.079	0	0	0	0	0	0	NM_177716	expressed sequence AI836003 (AI836003), mRNA.	Mme-M300014652	ILMN_2732079	0	0
213993	Ccdc186	0.177	-0.211	0.021	0	0	0	0	0	0	NM_170757	RIKEN cDNA A630007B06 gene (A630007B06Rik), mRNA.	Mme-M300009748	ILMN_2695125	0	0
54638	Ccdc22	0.204	0.010	0.058	0	0	0	0	0	0	NM_138603	coiled-coil domain containing 22 (Ccdc22), mRNA.	Mme-M200007307	ILMN_1251126	0	0
69216	Ccdc23	0.112	0.169	0.029	0	0	0	0	0	0	NM_024462	coiled-coil domain containing 23 (Ccdc23), transcript variant 2, mRNA.	Mme-M200007879	ILMN_2681604	0	0
67179	Ccdc25	-0.007	0.027	0.033	0	0	0	0	0	0	NM_145944	coiled-coil domain containing 25 (Ccdc25), mRNA.	Mme-M300003074	ILMN_1253682	0	0
381580	Ccdc27	-0.103	0.055	0.011	0	0	0	0	0	0	NM_001033455	coiled-coil domain containing 27 (Ccdc27), mRNA.	Mme-M300012206	ILMN_3064339	0	0
215814	Ccdc28a	-0.043	0.039	-0.058	0	0	0	0	0	0	NM_144820	coiled-coil domain containing 28A (Ccdc28a), mRNA.	Mme-M300012413	ILMN_2619718	0	0
66264	Ccdc28b	0.138	0.118	-0.313	0	0	-1	0	0	0	NM_025455	coiled-coil domain containing 28B (Ccdc28b), mRNA.	Mme-M200008432	ILMN_2694257	0	0
74186	Ccdc3	-0.020	-0.160	0.089	0	0	0	0	0	0	NM_028804	coiled-coil domain containing 3 (Ccdc3), mRNA.	Mme-M200003683	ILMN_2611180	0	0
73332	Ccdc30	0.075	-0.010	0.003	0	0	0	0	0	0	NM_029286	RIKEN cDNA 1700041C02 gene (1700041C02Rik), mRNA.	Mme-M400009300	ILMN_2724985	0	0
269336	Ccdc32	0.100	0.214	0.054	0	0	0	0	0	0	NM_199310	coiled-coil domain containing 32 (Ccdc32), mRNA.	Mme-M300012468	ILMN_2588650	0	0
382077	Ccdc33	-0.226	-0.171	-0.013	0	0	0	0	0	0	NM_029212	coiled-coil domain containing 33 (Ccdc33), mRNA.	Mme-M200010965	ILMN_2881312	0	0
243538	Ccdc37	0.007	0.061	0.017	0	0	0	0	0	0	XM_001480392	PREDICTED: coiled-coil domain containing 37, transcript variant 2 (Ccdc37), mRNA.	Mme-M300019570	ILMN_1236738	0	0
237465	Ccdc38	0.023	0.048	-0.014	0	0	0	0	0	0	NM_175488	coiled-coil domain containing 38 (Ccdc38), mRNA.	Mme-M300010270	ILMN_2716995	0	0
51938	Ccdc39	-0.219	-0.056	0.071	0	0	0	0	0	0	NM_026222	coiled-coil domain containing 39 (Ccdc39), mRNA.	Mme-M200005257	ILMN_3004786	0	0
207607	Ccdc40	0.116	-0.020	-0.003	0	0	0	0	0	0	NM_175430	coiled-coil domain containing 40 (Ccdc40), mRNA.	Mme-M300012453	ILMN_2711329	0	0
77048	Ccdc41	0.097	0.036	0.124	0	0	0	0	0	0	NM_029852	coiled-coil domain containing 41 (Ccdc41), mRNA.	Mme-M200015212	ILMN_2757445	0	0
276920	Ccdc42	-0.200	0.032	0.054	0	0	0	0	0	0	NM_177779	coiled-coil domain containing 42 (Ccdc42), mRNA.	Mme-M300016836	ILMN_2595460	0	0
52715	Ccdc43	0.356	0.149	-0.043	0	0	0	0	0	0	NM_025918	coiled-coil domain containing 43 (Ccdc43), mRNA.	Mme-M200006096	ILMN_1247240	0	0
76380	Ccdc46	-0.253	-0.008	-0.065	0	0	0	0	0	0	NM_029606	coiled-coil domain containing 46 (Ccdc46), transcript variant 2, mRNA.	Mme-M400003744	ILMN_3034257	0	0
67163	Ccdc47	0.098	-0.058	0.080	0	0	0	0	0	0	NM_026009	coiled-coil domain containing 47 (Ccdc47), mRNA.	Mme-M200004290	ILMN_2706057	0	0
67501	Ccdc50	0.129	0.195	0.068	0	0	0	0	0	0	NM_001025615	coiled-coil domain containing 50 (Ccdc50), transcript variant 2, mRNA.	Mme-M300011365	ILMN_1216920	0	0
69339	Ccdc54	0.070	-0.122	-0.045	0	0	0	0	0	0	NM_027046	coiled-coil domain containing 54 (Ccdc54), mRNA.	Mme-M200014705	ILMN_2715474	0	0
237859	Ccdc55	0.290	-0.072	0.110	0	0	0	0	0	0	NM_001012309	coiled-coil domain containing 55 (Ccdc55), mRNA.	Mme-M300011246	ILMN_2722863	0	0
71276	Ccdc57	0.015	0.070	-0.094	0	0	0	0	0	0	NM_027745	coiled-coil domain containing 57 (Ccdc57), mRNA.	Mme-M300019241	ILMN_1226713	0	0
381045	Ccdc58	0.080	0.090	-0.108	0	0	0	0	0	0	NM_198645	coiled-coil domain containing 58 (Ccdc58), mRNA.	Mme-M400012584	ILMN_1221190	0	0
52713	Ccdc59	0.112	-0.081	0.046	0	0	0	0	0	0	NM_025602	coiled-coil domain containing 59 (Ccdc59), mRNA.	Mme-M200007413	ILMN_2877436	0	0
76551	Ccdc6	0.258	-0.040	-0.004	0	0	0	0	0	0	NM_001111121	coiled-coil domain containing 6 (Ccdc6), mRNA.	Mme-M400014595	ILMN_1236934	0	0
269693	Ccdc60	-0.406	-0.029	0.099	0	0	0	0	0	0	NM_177759	coiled-coil domain containing 60 (Ccdc60), mRNA.	Mme-M300014969	ILMN_2763420	0	0
232933	Ccdc61	-0.071	-0.089	-0.055	0	0	0	0	0	0	NM_001033314	coiled-coil domain containing 61 (Ccdc61), mRNA.	Mme-M300012939	ILMN_3116014	0	0
330188	Ccdc63	-0.181	-0.031	-0.077	0	0	0	0	0	0	NM_183307	coiled-coil domain containing 63 (Ccdc63), mRNA.	Mme-M400002695	ILMN_2682333	0	0
75665	Ccdc64	-0.059	0.086	0.052	0	0	0	0	0	0	NM_001080808	coiled-coil domain containing 64 (Ccdc64), mRNA.	Mme-M300013254	ILMN_2847304	0	0
212733	Ccdc64b	0.014	-0.111	0.087	0	0	0	0	0	0	NM_153784	coiled-coil domain containing 64B (Ccdc64b), mRNA.	Mme-M300014844	ILMN_2849305	0	0
105833	Ccdc65	-0.125	-0.016	-0.180	0	0	0	0	0	0	NM_153518	coiled-coil domain containing 65 (Ccdc65), mRNA.	Mme-M200005254	ILMN_1253268	0	0
320234	Ccdc66	0.175	-0.042	0.202	0	0	0	0	0	0	NM_177111	coiled-coil domain containing 66 (Ccdc66), mRNA.	Mme-M300017630	ILMN_2699509	0	0
234964	Ccdc67	-0.115	-0.033	-0.041	0	0	0	0	0	0	NM_181816	coiled-coil domain containing 67 (Ccdc67), mRNA.	Mme-M300012463	ILMN_1238044	0	0
381175	Ccdc68	0.071	0.139	-0.125	0	0	0	0	0	0	NM_201362	coiled-coil domain containing 68 (Ccdc68), mRNA.	Mme-M300011838	ILMN_2929572	0	0
52570	Ccdc69	0.087	-0.004	-0.079	0	0	0	0	0	0	NM_177471	coiled-coil domain containing 69 (Ccdc69), mRNA.	Mme-M200004367	ILMN_2743093	0	0
74703	Ccdc7	-0.139	-0.002	-0.008	0	0	0	0	0	0	NM_029061	coiled-coil domain containing 7 (Ccdc7), mRNA.	Mme-M200010841	ILMN_1254168	0	0
67929	Ccdc70	-0.120	-0.039	0.071	0	0	0	0	0	0	NM_026459	coiled-coil domain containing 70 (Ccdc70), mRNA.	Mme-M200015066	ILMN_2613264	0	0
72454	Ccdc71	0.120	0.110	-0.118	0	0	0	0	0	0	NM_133744	coiled-coil domain containing 71 (Ccdc71), mRNA.	Mme-M200014527	ILMN_2590200	0	0
72123	Ccdc71l	0.147	-0.095	-0.026	0	0	0	0	0	0	XR_035317	PREDICTED: RIKEN cDNA 2010109K11 gene (2010109K11Rik), misc RNA.	Mme-M300021353	ILMN_2595921	0	0
211936	Ccdc73	0.093	-0.010	0.012	0	0	0	0	0	0	NM_177600	coiled-coil domain containing 73 (Ccdc73), mRNA.	Mme-M300016084	ILMN_2816386	0	0
67200	Ccdc77	-0.082	0.051	0.048	0	0	0	0	0	0	NM_026028	coiled-coil domain containing 77 (Ccdc77), mRNA.	Mme-M200014317	ILMN_2671436	0	0
381077	Ccdc78	-0.228	0.022	0.056	0	0	0	0	0	0	XM_354998	PREDICTED: coiled-coil domain containing 78 (Ccdc78), mRNA.	Mme-M400007899	ILMN_2530613	0	0
320022	Ccdc79	-0.071	0.007	0.063	0	0	0	0	0	0	NM_180958	coiled-coil domain containing 79 (Ccdc79), mRNA.	Mme-M400004190	ILMN_1260204	0	0
67896	Ccdc80	0.367	0.283	0.040	0	0	0	0	0	0	NM_026439	coiled-coil domain containing 80 (Ccdc80), mRNA.	Mme-M300003443	ILMN_2437216	0	0
70884	Ccdc81	0.203	-0.040	-0.092	0	0	0	0	0	0	XM_885490	PREDICTED: coiled-coil domain containing 81, transcript variant 2 (Ccdc81), mRNA.	Mme-M200012170	ILMN_1232913	0	0
66396	Ccdc82	-0.011	0.031	0.026	0	0	0	0	0	0	NM_025534	coiled-coil domain containing 82 (Ccdc82), mRNA.	Mme-M400004827	ILMN_2609772	0	0
75338	Ccdc83	0.027	0.066	-0.119	0	0	0	0	0	0	NM_029256	coiled-coil domain containing 83 (Ccdc83), mRNA.	Mme-M200012412	ILMN_2848122	0	0
382073	Ccdc84	-0.205	-0.146	-0.023	0	0	0	0	0	0	NM_201372	coiled-coil domain containing 84 (Ccdc84), mRNA.	Mme-M400012608	ILMN_1213911	0	0
216613	Ccdc85a	-0.167	-0.028	0.221	0	0	0	0	0	0	NM_181577	coiled-coil domain containing 85A (Ccdc85a), mRNA.	Mme-M400001506	ILMN_2723052	0	0
240514	Ccdc85b	-0.156	-0.064	0.093	0	0	0	0	0	0	NM_198616	coiled-coil domain containing 85B (Ccdc85b), mRNA.	Mme-M300013971	ILMN_1220846	0	0
108673	Ccdc86	0.176	0.153	0.027	0	0	0	0	0	0	NM_023731	coiled-coil domain containing 86 (Ccdc86), mRNA.	Mme-M200004994	ILMN_2730003	0	0
399599	Ccdc87	-0.008	0.016	-0.035	0	0	0	0	0	0	NM_207268	coiled-coil domain containing 87 (Ccdc87), mRNA.	Mme-M400012641	ILMN_2735241	0	0
108686	Ccdc88a	0.320	-0.034	0.053	0	0	0	0	0	0	NM_176841	coiled coil domain containing 88A (Ccdc88a), mRNA.	Mme-M300008418	ILMN_1258136	0	0
78317	Ccdc88b	-0.339	0.140	0.296	0	0	0	0	0	0	NM_001081291	coiled-coil domain containing 88B (Ccdc88b), mRNA.	Mme-M300018639	ILMN_2737463	0	0
68339	Ccdc88c	0.137	0.238	-0.104	0	0	0	0	0	0	NM_026681	coiled-coil domain containing 88C (Ccdc88c), mRNA.	Mme-M300002606	ILMN_1225808	0	0
70054	Ccdc89	-0.057	0.041	0.019	0	0	0	0	0	0	XM_133591	PREDICTED: coiled-coil domain containing 89 (Ccdc89), mRNA.	Mme-M200015857	ILMN_2711321	0	0
243846	Ccdc9	0.217	-0.036	0.039	0	0	0	0	0	0	NM_172297	coiled-coil domain containing 9 (Ccdc9), mRNA.	Mme-M300013146	ILMN_3008230	0	0
66365	Ccdc90b	0.265	-0.132	0.103	0	0	0	0	0	0	NM_025515	coiled-coil domain containing 90B (Ccdc90b), mRNA.	Mme-M200004074	ILMN_2752408	0	0
67015	Ccdc91	-0.153	-0.062	0.035	0	0	0	0	0	0	NM_025911	coiled-coil domain containing 91 (Ccdc91), mRNA.	Mme-M200002831	ILMN_1217225	0	0
215707	Ccdc92	-0.284	-0.206	-0.125	0	0	0	0	0	0	NM_144819	coiled-coil domain containing 92 (Ccdc92), mRNA.	Mme-M200013615	ILMN_2429437	0	0
70829	Ccdc93	-0.348	0.087	-0.216	0	0	0	0	0	0	NM_029955	coiled-coil domain containing 93 (Ccdc93), transcript variant 3, mRNA.	Mme-M300005057	ILMN_3033524	0	0
72886	Ccdc94	0.056	-0.010	0.090	0	0	0	0	0	0	NM_028381	coiled-coil domain containing 94 (Ccdc94), mRNA.	Mme-M400000069	ILMN_2600426	0	0
66717	Ccdc96	-0.457	-0.019	-0.095	0	0	0	0	0	0	NM_025725	coiled-coil domain containing 96 (Ccdc96), mRNA.	Mme-M200013954	ILMN_2745415	0	0
52132	Ccdc97	0.176	0.089	0.100	0	0	0	0	0	0	NM_028771	coiled-coil domain containing 97 (Ccdc97), mRNA.	Mme-M200002733	ILMN_2605423	0	0
66716	Ccer1	0.325	-0.025	0.017	0	0	0	0	0	0	NM_025724	RIKEN cDNA 4921510H08 gene (4921510H08Rik), mRNA.	Mme-M200014832	ILMN_2667581	0	0
240084	Cchcr1	-0.135	0.136	0.058	0	0	0	0	0	0	NM_146248	coiled-coil alpha-helical rod protein 1 (Cchcr1), mRNA.	Mme-M300012602	ILMN_2929518	0	0
442829	Ccin	-0.085	-0.012	-0.083	0	0	0	0	0	0	NM_001002787	calicin (Ccin), mRNA.	Mme-M300020724	ILMN_2956614	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12424	Cck	0.831	0.651	-0.031	1	1	0	0	1	0	NM_031161	cholecystokinin (Cck), mRNA.	Mme-M200000995	ILMN_1252990	1	0
12425	Cckar	-0.170	0.040	0.024	0	0	0	0	0	0	NM_009827	cholecystokinin A receptor (Cckar), mRNA.	Mme-M200001378	ILMN_2625830	0	0
12426	Cckbr	0.097	0.544	-0.121	0	1	0	0	0	0	NM_007627	cholecystokinin B receptor (Cckbr), mRNA.	Mme-M200014105	ILMN_2691478	0	0
20290	Ccl1	-0.153	0.015	0.046	0	0	0	0	0	0	NM_011329	chemokine (C-C motif) ligand 1 (Ccl1), mRNA.	Mme-M400000410	ILMN_1255735	0	0
20292	Ccl11	0.291	0.571	0.121	0	1	0	0	1	0	NM_011330	small chemokine (C-C motif) ligand 11 (Ccl11), mRNA.	Mme-M200001889	ILMN_2647757	1	0
20293	Ccl12	0.657	0.631	0.192	1	1	0	0	1	0	NM_011331	chemokine (C-C motif) ligand 12 (Ccl12), mRNA.	Mme-M400011127	ILMN_2771766	1	0
20295	Ccl17	-0.345	0.531	-0.043	0	1	0	0	0	0	NM_011332	chemokine (C-C motif) ligand 17 (Ccl17), mRNA.	Mme-M200013826	ILMN_2717015	0	0
24047	Ccl19	0.565	0.607	0.185	0	1	0	0	1	0	NM_011888	chemokine (C-C motif) ligand 19 (Ccl19), mRNA.	Mme-M400006959	ILMN_2836386	1	0
20296	Ccl2	0.222	0.699	0.292	0	1	0	0	1	0	NM_011333	chemokine (C-C motif) ligand 2 (Ccl2), mRNA.	Mme-M200000049	ILMN_1245710	1	0
20297	Ccl20	0.083	-0.051	-0.155	0	0	0	0	0	0	NM_016960	chemokine (C-C motif) ligand 20 (Ccl20), mRNA.	Mme-M200008817	ILMN_2781178	0	0
18829	Ccl21a	0.993	0.452	-0.083	1	1	0	1	0	0	NM_011124	chemokine (C-C motif) ligand 21b (Ccl21b), mRNA.	Mme-M400009276	ILMN_1213286	1	0
56221	Ccl24	0.004	-0.002	-0.002	0	0	0	0	0	0	NM_019577	chemokine (C-C motif) ligand 24 (Ccl24), mRNA.	Mme-M200007108	ILMN_1225406	0	0
20300	Ccl25	0.175	0.179	0.078	0	0	0	0	0	0	NM_009138	chemokine (C-C motif) ligand 25 (Ccl25), mRNA.	Mme-M400000665	ILMN_2661722	0	0
20301	Ccl27a	0.373	-0.097	0.046	0	0	0	0	0	0	NM_011336	chemokine (C-C motif) ligand 27 (Ccl27), transcript variant 1, mRNA.	Mme-M400009275	ILMN_1216183	0	0
56838	Ccl28	-0.011	-0.057	0.017	0	0	0	0	0	0	NM_020279	chemokine (C-C motif) ligand 28 (Ccl28), mRNA.	Mme-M400011361	ILMN_1218590	0	0
20302	Ccl3	0.152	0.353	0.046	0	0	0	0	0	0	NM_011337	chemokine (C-C motif) ligand 3 (Ccl3), mRNA.	Mme-M400000025	ILMN_1253919	0	0
20303	Ccl4	0.062	0.574	0.318	0	1	1	0	1	0	NM_013652	chemokine (C-C motif) ligand 4 (Ccl4), mRNA.	Mme-M200000467	ILMN_1223257	1	0
20304	Ccl5	-0.253	0.578	0.583	0	1	1	0	1	1	NM_013653	chemokine (C-C motif) ligand 5 (Ccl5), mRNA.	Mme-M300009668	ILMN_1231814	2	0
20305	Ccl6	-0.009	0.092	0.059	0	0	0	0	0	0	NM_009139	chemokine (C-C motif) ligand 6 (Ccl6), mRNA.	Mme-M200000046	ILMN_2694179	0	0
20306	Ccl7	0.140	0.856	0.529	0	1	1	0	1	1	NM_013654	chemokine (C-C motif) ligand 7 (Ccl7), mRNA.	Mme-M200003414	ILMN_2835117	2	0
20307	Ccl8	-0.028	0.908	0.531	0	1	1	0	1	1	NM_021443	chemokine (C-C motif) ligand 8 (Ccl8), mRNA.	Mme-M300001017	ILMN_1238886	2	0
20308	Ccl9	0.463	0.338	0.141	0	0	0	0	0	0	NM_011338	chemokine (C-C motif) ligand 9 (Ccl9), mRNA.	Mme-M400000316	ILMN_2776603	0	0
216527	Ccm2	0.150	-0.085	0.061	0	0	0	0	0	0	NM_146014	cerebral cavernous malformation 2 homolog (human) (Ccm2), mRNA.	Mme-M300000065	ILMN_2719834	0	0
228788	Ccm2l	-0.074	-0.182	-0.037	0	0	0	0	0	0	NM_145536	cDNA sequence BC020535 (BC020535), mRNA.	Mme-M400001011	ILMN_2745876	0	0
12427	Ccna1	0.110	0.063	-0.062	0	0	0	0	0	0	NM_007628	cyclin A1 (Ccna1), mRNA.	Mme-M200001973	ILMN_2837631	0	0
12428	Ccna2	0.254	0.051	-0.093	0	0	0	0	0	0	NM_009828	cyclin A2 (Ccna2), mRNA.	Mme-M300005764	ILMN_2672442	0	0
268697	Ccnb1	0.175	0.222	0.181	0	0	0	0	0	0	NM_172301	cyclin B1 (Ccnb1), mRNA.	Mme-M200004432	ILMN_2753497	0	0
239083	Ccnb1ip1	-0.018	0.023	-0.001	0	0	0	0	0	0	NM_001111119	cyclin B1 interacting protein 1 (Ccnb1ip1), mRNA.	Mme-M400001868	ILMN_1236306	0	0
12442	Ccnb2	0.234	-0.026	0.002	0	0	0	0	0	0	NM_007630	cyclin B2 (Ccnb2), mRNA.	Mme-M200004440	ILMN_2611948	0	0
209091	Ccnb3	0.004	0.034	0.085	0	0	0	0	0	0	NM_183015	cyclin B3 (Ccnb3), mRNA.	Mme-M300022212	ILMN_2863768	0	0
51813	Ccnc	0.029	0.125	-0.091	0	0	0	0	0	0	NM_016746	cyclin C (Ccnc), transcript variant 1, mRNA.	Mme-M200001678	ILMN_2936153	0	0
12443	Ccnd1	0.376	0.265	-0.142	0	0	0	0	0	0	NM_007631	cyclin D1 (Ccnd1), mRNA.	Mme-M300007548	ILMN_2601471	0	0
12444	Ccnd2	0.642	0.227	-0.467	0	0	-1	0	0	-1	NM_009829	cyclin D2 (Ccnd2), mRNA.	Mme-M200001209	ILMN_2700166	0	1
12445	Ccnd3	0.073	-0.095	0.159	0	0	0	0	0	0	NM_007632	cyclin D3 (Ccnd3), transcript variant 1, mRNA.	Mme-M300009186	ILMN_3131063	0	0
17151	Ccndbp1	-0.100	0.160	0.034	0	0	0	0	0	0	NM_010761	cyclin D-type binding-protein 1 (Ccndbp1), mRNA.	Mme-M300003742	ILMN_1240178	0	0
12447	Ccne1	0.031	0.066	-0.015	0	0	0	0	0	0	NM_007633	cyclin E1 (Ccne1), mRNA.	Mme-M200003416	ILMN_2716497	0	0
12448	Ccne2	0.143	0.113	-0.060	0	0	0	0	0	0	NM_009830	cyclin E2 (Ccne2), transcript variant 2, mRNA.	Mme-M200007838	ILMN_1245789	0	0
12450	Ccng1	0.419	0.102	0.295	0	0	0	0	0	0	NM_009831	cyclin G1 (Ccng1), mRNA.	Mme-M200000800	ILMN_2702233	0	0
12452	Ccng2	-0.229	-0.019	0.020	0	0	0	0	0	0	NM_007635	cyclin G2 (Ccng2), mRNA.	Mme-M300006655	ILMN_2700233	0	0
66671	Ccnh	-0.007	-0.084	-0.008	0	0	0	0	0	0	NM_023243	cyclin H (Ccnh), mRNA.	Mme-M200003615	ILMN_2616531	0	0
12453	Ccni	0.146	-0.276	-0.007	0	0	0	0	0	0	NM_017367	cyclin I (Ccni), mRNA.	Mme-M400012946	ILMN_1225364	0	0
240665	Ccnj	0.089	-0.065	0.036	0	0	0	0	0	0	NM_172839	cyclin J (Ccnj), mRNA.	Mme-M300004428	ILMN_1253193	0	0
380694	Ccnjl	-0.247	-0.043	-0.006	0	0	0	0	0	0	NM_001045530	cyclin J-like (Ccnjl), mRNA.	Mme-M400002934	ILMN_1235798	0	0
12454	Ccnk	0.154	0.015	0.061	0	0	0	0	0	0	NM_009832	cyclin K (Ccnk), mRNA.	Mme-M300002650	ILMN_1256294	0	0
56706	Ccnl1	0.024	0.019	0.027	0	0	0	0	0	0	NM_019937	cyclin L1 (Ccnl1), mRNA.	Mme-M300005804	ILMN_1228850	0	0
56036	Ccnl2	0.252	-0.003	-0.018	0	0	0	0	0	0	NM_207678	cyclin L2 (Ccnl2), mRNA.	Mme-M200003239	ILMN_2601488	0	0
218630	Ccno	-0.101	-0.028	-0.145	0	0	0	0	0	0	NM_001081062	cyclin O (Ccno), mRNA.	Mme-M300013679	ILMN_2736471	0	0
12455	Ccnt1	0.268	0.086	-0.260	0	0	0	0	0	0	NM_009833	cyclin T1 (Ccnt1), mRNA.	Mme-M200015734	ILMN_2758087	0	0
72949	Ccnt2	0.132	0.003	-0.001	0	0	0	0	0	0	NM_028399	cyclin T2 (Ccnt2), mRNA.	Mme-M200013116	ILMN_2746718	0	0
67974	Ccny	0.185	-0.071	0.180	0	0	0	0	0	0	NM_026484	cyclin Y (Ccny), mRNA.	Mme-M300004036	ILMN_2672789	0	0
227210	Ccnyl1	0.192	-0.244	0.050	0	0	0	0	0	0	NM_001097644	cyclin Y-like 1 (Ccnyl1), mRNA.	Mme-M400002993	ILMN_2451013	0	0
101565	Ccp110	-0.214	-0.058	0.186	0	0	0	0	0	0	NM_182995	RIKEN cDNA 6330503K22 gene (6330503K22Rik), mRNA.	Mme-M300009017	ILMN_1228426	0	0
72278	Ccpg1	0.211	-0.168	-0.045	0	0	0	0	0	0	NM_028181	cell cycle progression 1 (Ccpg1), transcript variant 2, mRNA.	Mme-M400011632	ILMN_1227277	0	0
12768	Ccr1	0.249	-0.017	-0.067	0	0	0	0	0	0	NM_009912	chemokine (C-C motif) receptor 1 (Ccr1), mRNA.	Mme-M200014909	ILMN_2594763	0	0
12777	Ccr10	0.124	-0.073	0.069	0	0	0	0	0	0	NM_007721	chemokine (C-C motif) receptor 10 (Ccr10), mRNA.	Mme-M200008658	ILMN_1230042	0	0
12770	Ccr1l1	-0.494	0.075	0.003	0	0	0	0	0	0	NM_007718	chemokine (C-C motif) receptor 1-like 1 (Ccr1l1), mRNA.	Mme-M200014911	ILMN_2625504	0	0
12772	Ccr2	0.334	0.005	0.098	0	0	0	0	0	0	NM_009915	chemokine (C-C motif) receptor 2 (Ccr2), mRNA.	Mme-M200002339	ILMN_1226563	0	0
12771	Ccr3	-0.333	0.089	-0.005	0	0	0	0	0	0	NM_009914	chemokine (C-C motif) receptor 3 (Ccr3), mRNA.	Mme-M200014908	ILMN_2680290	0	0
12773	Ccr4	-0.451	-0.041	-0.051	0	0	0	0	0	0	NM_009916	chemokine (C-C motif) receptor 4 (Ccr4), mRNA.	Mme-M400003358	ILMN_2753620	0	0
12774	Ccr5	0.033	0.661	0.342	0	1	1	0	1	0	NM_009917	chemokine (C-C motif) receptor 5 (Ccr5), mRNA.	Mme-M200003301	ILMN_2685393	1	0
12458	Ccr6	0.172	0.310	-0.031	0	0	0	0	0	0	NM_009835	chemokine (C-C motif) receptor 6 (Ccr6), mRNA.	Mme-M400009018	ILMN_2639012	0	0
12775	Ccr7	-0.154	0.115	0.004	0	0	0	0	0	0	NM_007719	chemokine (C-C motif) receptor 7 (Ccr7), mRNA.	Mme-M200001116	ILMN_2821118	0	0
12776	Ccr8	-0.124	0.060	0.053	0	0	0	0	0	0	NM_007720	chemokine (C-C motif) receptor 8 (Ccr8), mRNA.	Mme-M200002629	ILMN_2724465	0	0
12769	Ccr9	-0.391	0.054	-0.023	0	0	0	0	0	0	NM_009913	chemokine (C-C motif) receptor 9 (Ccr9), mRNA.	Mme-M300018646	ILMN_2623009	0	0
54199	Ccrl2	0.005	0.289	0.103	0	0	0	0	0	0	NM_017466	chemokine (C-C motif) receptor-like 2 (Ccrl2), mRNA.	Mme-M400011287	ILMN_2752624	0	0
12457	Ccrn4l	0.141	-0.142	0.070	0	0	0	0	0	0	NM_009834	CCR4 carbon catabolite repression 4-like (S. cerevisiae) (Ccrn4l), mRNA.	Mme-M300003663	ILMN_2591440	0	0
12460	Ccs	0.199	0.025	-0.130	0	0	0	0	0	0	NM_016892	copper chaperone for superoxide dismutase (Ccs), mRNA.	Mme-M200004123	ILMN_1253618	0	0
73420	Ccsap	-0.161	0.211	0.037	0	0	0	0	0	0	NM_028536	RIKEN cDNA 1700054N08 gene (1700054N08Rik), mRNA.	Mme-M200009957	ILMN_1219407	0	0
72972	Ccser2	-0.058	-0.029	-0.576	0	0	-1	0	0	-1	NM_027045	granule cell antiserum positive 14 (Gcap14), transcript variant 1, mRNA.	Mme-M400000513	ILMN_1224992	0	1
12461	Cct2	0.068	-0.079	-0.026	0	0	0	0	0	0	NM_007636	chaperonin subunit 2 (beta) (Cct2), mRNA.	Mme-M200001419	ILMN_1218488	0	0
12462	Cct3	0.036	0.170	-0.166	0	0	0	0	0	0	NM_009836	chaperonin subunit 3 (gamma) (Cct3), mRNA.	Mme-M400000035	ILMN_1247317	0	0
12464	Cct4	0.299	-0.098	0.096	0	0	0	0	0	0	NM_009837	chaperonin subunit 4 (delta) (Cct4), mRNA.	Mme-M200002434	ILMN_2663186	0	0
12465	Cct5	0.167	0.006	0.117	0	0	0	0	0	0	NM_007637	chaperonin subunit 5 (epsilon) (Cct5), mRNA.	Mme-M200000704	ILMN_2707308	0	0
12466	Cct6a	0.235	0.159	0.038	0	0	0	0	0	0	NM_009838	chaperonin subunit 6a (zeta) (Cct6a), mRNA.	Mme-M400001166	ILMN_2774941	0	0
12467	Cct6b	-0.029	-0.034	0.015	0	0	0	0	0	0	NM_009839	chaperonin subunit 6b (zeta) (Cct6b), mRNA.	Mme-M200001603	ILMN_2730840	0	0
12468	Cct7	0.184	-0.050	-0.030	0	0	0	0	0	0	NM_007638	chaperonin subunit 7 (eta) (Cct7), mRNA.	Mme-M200000327	ILMN_1233793	0	0
12469	Cct8	-0.019	0.268	-0.113	0	0	0	0	0	0	NM_009840	chaperonin subunit 8 (theta) (Cct8), mRNA.	Mme-M200003566	ILMN_1259677	0	0
242891	Cct8l1	-0.059	0.072	0.097	0	0	0	0	0	0	NM_198621	gene model 443, (NCBI) (Gm443), mRNA.	Mme-M300011305	ILMN_2598594	0	0
231874	Ccz1	0.244	0.008	-0.154	0	0	0	0	0	0	NM_177682	expressed sequence AU022870 (AU022870), mRNA.	Mme-M300006775	ILMN_2767674	0	0
630146	Cd101	-0.154	0.039	0.029	0	0	0	0	0	0	NM_001099332	immunoglobulin superfamily, member 2 (Igsf2), mRNA.	Mme-M400004640	ILMN_2528775	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
235505	Cd109	-0.072	-0.198	-0.088	0	0	0	0	0	0	NM_153098	CD109 antigen (Cd109), mRNA.	Mme-M300014157	ILMN_1214571	0	0
12475	Cd14	-0.168	-0.188	-0.025	0	0	0	0	0	0	NM_009841	CD14 antigen (Cd14), mRNA.	Mme-M200001343	ILMN_2742075	0	0
12476	Cd151	-0.250	0.201	0.222	0	0	0	0	0	0	NM_001111050	CD151 antigen (Cd151), transcript variant 3, mRNA.	Mme-M300004672	ILMN_2492403	0	0
54215	Cd160	-0.194	0.414	0.084	0	0	0	0	0	0	NM_018767	CD160 antigen (Cd160), mRNA.	Mme-M200003046	ILMN_2707181	0	0
93671	Cd163	-0.131	-0.248	-0.022	0	0	0	0	0	0	NM_053094	CD163 antigen (Cd163), mRNA.	Mme-M200006986	ILMN_2627340	0	0
244233	Cd163l1	0.135	0.271	0.092	0	0	0	0	0	0	NM_172909	CD163 molecule-like 1 (Cd163l1), mRNA.	Mme-M300004646	ILMN_2629663	0	0
53599	Cd164	0.169	-0.108	0.108	0	0	0	0	0	0	NM_016898	CD164 antigen (Cd164), mRNA.	Mme-M300001846	ILMN_1246611	0	0
69655	Cd164l2	-0.015	0.068	-0.085	0	0	0	0	0	0	NM_027152	CD164 sialomucin-like 2 (Cd164l2), mRNA.	Mme-M200007105	ILMN_2617449	0	0
68891	Cd177	-0.109	0.218	0.079	0	0	0	0	0	0	NM_026862	CD177 antigen (Cd177), mRNA.	Mme-M400004040	ILMN_2789900	0	0
17079	Cd180	0.185	0.421	0.118	0	1	0	0	0	0	NM_008533	CD180 antigen (Cd180), mRNA.	Mme-M200001275	ILMN_2905717	0	0
12478	Cd19	-0.092	0.089	0.188	0	0	0	0	0	0	NM_009844	CD19 antigen (Cd19), mRNA.	Mme-M200001703	ILMN_2975994	0	0
12479	Cd1d1	0.334	0.458	0.310	0	1	1	0	0	0	NM_007639	CD1d1 antigen (Cd1d1), mRNA.	Mme-M200000727	ILMN_2734212	0	0
12480	Cd1d2	-0.074	-0.142	0.110	0	0	0	0	0	0	NM_007640	CD1d2 antigen (Cd1d2), mRNA.	Mme-M400002540	ILMN_1257334	0	0
12481	Cd2	0.149	0.266	0.344	0	0	1	0	0	0	NM_013486	CD2 antigen (Cd2), mRNA.	Mme-M200004524	ILMN_2753697	0	0
17470	Cd200	0.296	0.470	0.043	0	1	0	0	0	0	NM_010818	Cd200 antigen (Cd200), mRNA.	Mme-M300003442	ILMN_1214255	0	0
57781	Cd200r1	0.121	-0.033	0.123	0	0	0	0	0	0	NM_021325	CD200 receptor 1 (Cd200r1), mRNA.	Mme-M200009471	ILMN_2819717	0	0
271375	Cd200r2	0.079	-0.028	0.034	0	0	0	0	0	0	NM_206535	Cd200 receptor 2 (Cd200r2), mRNA.	Mme-M400006087	ILMN_2688182	0	0
239849	Cd200r4	0.025	-0.023	-0.035	0	0	0	0	0	0	NM_207244	Cd200 receptor 4 (Cd200r4), mRNA.	Mme-M400007672	ILMN_2760743	0	0
246278	Cd207	-0.182	0.030	0.050	0	0	0	0	0	0	NM_144943	CD 207 antigen (Cd207), mRNA.	Mme-M200009193	ILMN_2591543	0	0
170786	Cd209a	-0.080	-0.100	0.000	0	0	0	0	0	0	NM_133238	CD209a antigen (Cd209a), mRNA.	Mme-M200007228	ILMN_2617210	0	0
69165	Cd209b	-0.112	-0.055	-0.093	0	0	0	0	0	0	NM_026972	CD209b antigen (Cd209b), transcript variant 1, mRNA.	Mme-M400011588	ILMN_3078388	0	0
170776	Cd209c	-0.020	0.074	-0.034	0	0	0	0	0	0	NM_130903	CD209c antigen (Cd209c), mRNA.	Mme-M200013405	ILMN_3131225	0	0
170779	Cd209d	-0.347	0.030	-0.035	0	0	0	0	0	0	NM_130904	CD209d antigen (Cd209d), mRNA.	Mme-M300007735	ILMN_2696291	0	0
170780	Cd209e	-0.191	0.042	0.028	0	0	0	0	0	0	NM_130905	CD209e antigen (Cd209e), mRNA.	Mme-M200014729	ILMN_2665757	0	0
69142	Cd209f	-0.365	-0.084	0.115	0	0	0	0	0	0	XM_284386	PREDICTED: CD209f antigen, transcript variant 1 (Cd209f), mRNA.	Mme-M400009551	ILMN_2699665	0	0
70192	Cd209g	0.036	0.003	-0.055	0	0	0	0	0	0	XM_284376	PREDICTED: CD209g antigen (Cd209g), mRNA.	Mme-M200014142	ILMN_2633260	0	0
225825	Cd226	0.062	0.212	0.179	0	0	0	0	0	0	NM_001039149	CD226 antigen (Cd226), transcript variant 2, mRNA.	Mme-M300009099	ILMN_1239753	0	0
18106	Cd244	-0.122	0.223	0.134	0	0	0	0	0	0	NM_018729	CD244 natural killer cell receptor 2B4 (Cd244), mRNA.	Mme-M300000600	ILMN_1237466	0	0
12503	Cd247	-0.266	0.456	0.169	0	1	0	0	0	0	NM_031162	CD247 antigen (Cd247), transcript variant eta, mRNA.	Mme-M200000443	ILMN_1253828	0	0
70445	Cd248	0.226	-0.203	-0.117	0	0	0	0	0	0	NM_054042	CD248 antigen, endosialin (Cd248), mRNA.	Mme-M400005522	ILMN_2896843	0	0
12484	Cd24a	-0.278	-0.031	-0.007	0	0	0	0	0	0	NM_009846	CD24a antigen (Cd24a), mRNA.	Mme-M300017999	ILMN_1237868	0	0
21940	Cd27	-0.189	0.116	0.044	0	0	0	0	0	0	NM_001033126	CD27 antigen (Cd27), transcript variant 1, mRNA.	Mme-M400001252	ILMN_3052501	0	0
60533	Cd274	0.982	1.067	0.439	1	1	1	1	1	1	NM_021893	CD274 antigen (Cd274), mRNA.	Mme-M200011639	ILMN_1226800	3	0
102657	Cd276	-0.018	0.353	-0.077	0	0	0	0	0	0	NM_133983	CD276 antigen (Cd276), mRNA.	Mme-M200002249	ILMN_1259610	0	0
12487	Cd28	0.057	0.514	0.272	0	1	0	0	0	0	NM_007642	CD28 antigen (Cd28), mRNA.	Mme-M200000387	ILMN_2591361	0	0
12488	Cd2ap	-0.054	0.012	0.031	0	0	0	0	0	0	NM_009847	CD2-associated protein (Cd2ap), mRNA.	Mme-M300003812	ILMN_2637981	0	0
70233	Cd2bp2	-0.115	-0.100	0.137	0	0	0	0	0	0	NM_027353	CD2 antigen (cytoplasmic tail) binding protein 2 (Cd2bp2), mRNA.	Mme-M200005812	ILMN_2689056	0	0
217303	Cd300a	0.258	-0.083	0.023	0	0	0	0	0	0	NM_170758	CD300A antigen (Cd300a), mRNA.	Mme-M300009460	ILMN_2887983	0	0
387565	Cd300c	-0.216	0.039	0.008	0	0	0	0	0	0	NM_199225	CD300C antigen (Cd300c), mRNA.	Mme-M400006464	ILMN_1216280	0	0
217306	Cd300e	-0.194	0.047	0.045	0	0	0	0	0	0	NM_172050	CD300e antigen (Cd300e), mRNA.	Mme-M300019293	ILMN_1212716	0	0
217304	Cd300lb	0.012	0.041	0.005	0	0	0	0	0	0	NM_199221	CD300 antigen like family member B (Cd300lb), mRNA.	Mme-M400008147	ILMN_1213393	0	0
217305	Cd300ld	0.143	0.056	-0.027	0	0	0	0	0	0	NM_145437	RIKEN cDNA 4732429D16 gene (4732429D16Rik), mRNA.	Mme-M200012169	ILMN_1230287	0	0
246746	Cd300lf	-0.065	0.278	0.063	0	0	0	0	0	0	NM_145634	CD300 antigen like family member F (Cd300lf), mRNA.	Mme-M300018628	ILMN_2606144	0	0
52685	Cd300lg	0.182	0.159	-0.121	0	0	0	0	0	0	NM_027987	CD300 antigen like family member G (Cd300lg), mRNA.	Mme-M200015230	ILMN_2688416	0	0
382551	Cd300lh	0.057	-0.101	-0.163	0	0	0	0	0	0	NM_199201	CMRF-35-like molecule 3 (Clm3), mRNA.	Mme-M400007307	ILMN_3052890	0	0
66205	Cd302	0.500	-0.048	-0.022	0	0	0	0	0	0	NM_025422	CD302 antigen (Cd302), mRNA.	Mme-M300005412	ILMN_2616097	0	0
54219	Cd320	-0.081	-0.047	0.049	0	0	0	0	0	0	NM_019421	CD320 antigen (Cd320), mRNA.	Mme-M300000296	ILMN_1235750	0	0
12489	Cd33	-0.296	0.296	0.233	0	0	0	0	0	0	NM_021293	CD33 antigen (Cd33), transcript variant 2, mRNA.	Mme-M200009286	ILMN_2963320	0	0
12490	Cd34	0.495	0.039	-0.037	0	0	0	0	0	0	NM_133654	CD34 antigen (Cd34), transcript variant 2, mRNA.	Mme-M200006659	ILMN_2714360	0	0
12491	Cd36	0.662	-0.030	0.070	1	0	0	0	0	0	NM_007643	CD36 antigen (Cd36), mRNA.	Mme-M300000349	ILMN_1232470	0	0
12493	Cd37	0.176	0.135	0.135	0	0	0	0	0	0	NM_007645	CD37 antigen (Cd37), mRNA.	Mme-M200001424	ILMN_2929526	0	0
12494	Cd38	-0.057	-0.014	-0.051	0	0	0	0	0	0	NM_007646	CD38 antigen (Cd38), mRNA.	Mme-M200016153	ILMN_2674247	0	0
12500	Cd3d	-0.089	0.458	0.300	0	1	0	0	0	0	NM_013487	CD3 antigen, delta polypeptide (Cd3d), mRNA.	Mme-M200001795	ILMN_2697415	0	0
12501	Cd3e	0.052	0.393	0.300	0	0	0	0	0	0	NM_007648	CD3 antigen, epsilon polypeptide (Cd3e), mRNA.	Mme-M400001428	ILMN_1238847	0	0
70333	Cd3eap	-0.026	-0.253	-0.017	0	0	0	0	0	0	NM_145822	CD3E antigen, epsilon polypeptide associated protein (Cd3eap), mRNA.	Mme-M200011706	ILMN_1246695	0	0
12502	Cd3g	0.061	0.579	0.342	0	1	1	0	1	0	NM_009850	CD3 antigen, gamma polypeptide (Cd3g), mRNA.	Mme-M200001786	ILMN_2722784	1	0
12504	Cd4	-0.095	0.223	0.105	0	0	0	0	0	0	NM_013488	CD4 antigen (Cd4), mRNA.	Mme-M200000836	ILMN_1249663	0	0
21947	Cd40lg	-0.073	-0.017	0.033	0	0	0	0	0	0	NM_011616	CD40 ligand (Cd40lg), mRNA.	Mme-M200002001	ILMN_1257241	0	0
12505	Cd44	-0.024	0.088	0.102	0	0	0	0	0	0	NM_001039150	CD44 antigen (Cd44), transcript variant 2, mRNA.	Mme-M300000634	ILMN_2754990	0	0
17221	Cd46	-0.997	0.002	0.107	-1	0	0	-1	0	0	NM_010778	CD46 antigen, complement regulatory protein (Cd46), mRNA.	Mme-M200003165	ILMN_2729316	0	1
16423	Cd47	0.155	0.228	0.041	0	0	0	0	0	0	NM_010581	CD47 antigen (Rh-related antigen, integrin-associated signal transducer) (Cd47), mRNA.	Mme-M300003426	ILMN_2744337	0	0
12506	Cd48	0.213	-0.041	-0.002	0	0	0	0	0	0	NM_007649	CD48 antigen (Cd48), mRNA.	Mme-M400000229	ILMN_2633530	0	0
12507	Cd5	0.051	0.205	0.124	0	0	0	0	0	0	NM_007650	CD5 antigen (Cd5), mRNA.	Mme-M200000274	ILMN_2643910	0	0
23833	Cd52	0.078	0.416	0.299	0	0	0	0	0	0	NM_013706	CD52 antigen (Cd52), mRNA.	Mme-M200004801	ILMN_2910934	0	0
12508	Cd53	0.186	0.394	0.320	0	0	1	0	0	0	NM_007651	CD53 antigen (Cd53), mRNA.	Mme-M200001025	ILMN_2657478	0	0
13136	Cd55	0.040	0.012	-0.051	0	0	0	0	0	0	NM_010016	CD55 antigen (Cd55), mRNA.	Mme-M300005084	ILMN_1248714	0	0
12509	Cd59a	0.107	-0.186	-0.094	0	0	0	0	0	0	NM_007652	CD59a antigen (Cd59a), transcript variant 2, mRNA.	Mme-M200002712	ILMN_1228942	0	0
333883	Cd59b	-0.120	0.154	0.307	0	0	1	0	0	0	NM_181858	CD59b antigen (Cd59b), mRNA.	Mme-M400012526	ILMN_2660766	0	0
11801	Cd5l	-0.298	0.045	-0.043	0	0	0	0	0	0	NM_009690	CD5 antigen-like (Cd5l), mRNA.	Mme-M200002409	ILMN_2767236	0	0
12511	Cd6	-0.102	0.308	0.367	0	0	1	0	0	0	NM_001037801	CD6 antigen (Cd6), transcript variant 1, mRNA.	Mme-M300004261	ILMN_2769330	0	0
12512	Cd63	0.128	0.198	-0.145	0	0	0	0	0	0	NM_007653	Cd63 antigen (Cd63), transcript variant 2, mRNA.	Mme-M200001737	ILMN_3128907	0	0
12514	Cd68	0.094	0.712	0.192	0	1	0	0	1	0	NM_009853	CD68 antigen (Cd68), mRNA.	Mme-M200003402	ILMN_2689785	1	0
12515	Cd69	0.040	0.494	0.387	0	1	1	0	0	0	NM_001033122	CD69 antigen (Cd69), mRNA.	Mme-M200015388	ILMN_1218240	0	0
12516	Cd7	0.040	0.291	0.060	0	0	0	0	0	0	NM_009854	CD7 antigen (Cd7), mRNA.	Mme-M200001594	ILMN_1252079	0	0
21948	Cd70	0.031	0.174	-0.028	0	0	0	0	0	0	NM_011617	CD70 antigen (Cd70), mRNA.	Mme-M200013935	ILMN_2996338	0	0
12517	Cd72	0.143	0.414	0.167	0	0	0	0	0	0	NM_001110322	CD72 antigen (Cd72), transcript variant 4, mRNA.	Mme-M200015923	ILMN_2675669	0	0
16149	Cd74	0.058	0.623	0.545	0	1	1	0	1	1	NM_001042605	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) (Cd74), tra	Mme-M400010174	ILMN_1247832	2	0
12518	Cd79a	0.118	0.171	0.130	0	0	0	0	0	0	NM_007655	CD79A antigen (immunoglobulin-associated alpha) (Cd79a), mRNA.	Mme-M200000528	ILMN_1246266	0	0
15985	Cd79b	0.030	0.314	0.107	0	0	0	0	0	0	NM_008339	CD79B antigen (Cd79b), mRNA.	Mme-M200001144	ILMN_2610822	0	0
12519	Cd80	-0.195	0.041	-0.048	0	0	0	0	0	0	NM_009855	CD80 antigen (Cd80), mRNA.	Mme-M300000946	ILMN_2877958	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12520	Cd81	0.345	-0.007	0.027	0	0	0	0	0	0	NM_133655	CD 81 antigen (Cd81), mRNA.	Mme-M200000286	ILMN_2631093	0	0
12522	Cd83	-0.010	0.470	0.237	0	1	0	0	0	0	NM_009856	CD83 antigen (Cd83), mRNA.	Mme-M200014952	ILMN_2865016	0	0
12523	Cd84	0.071	0.586	0.132	0	1	0	0	1	0	NM_013489	CD84 antigen (Cd84), mRNA.	Mme-M200004242	ILMN_2754698	1	0
12524	Cd86	-0.244	0.476	0.213	0	1	0	0	0	0	NM_019388	CD86 antigen (Cd86), mRNA.	Mme-M300003580	ILMN_1216386	0	0
12526	Cd8b1	0.067	0.242	0.412	0	0	1	0	0	1	NM_009858	CD8 antigen, beta chain 1 (Cd8b1), mRNA.	Mme-M400004323	ILMN_2741169	1	0
12527	Cd9	-0.073	0.046	0.005	0	0	0	0	0	0	NM_007657	CD9 antigen (Cd9), mRNA.	Mme-M200001129	ILMN_2725414	0	0
17064	Cd93	0.195	0.184	0.174	0	0	0	0	0	0	NM_010740	CD93 antigen (Cd93), mRNA.	Mme-M200000240	ILMN_1226829	0	0
84544	Cd96	-0.190	0.243	0.044	0	0	0	0	0	0	NM_032465	CD96 antigen (Cd96), mRNA.	Mme-M200006381	ILMN_1249991	0	0
673094	Cd99	-0.145	0.036	-0.035	0	0	0	0	0	0	NM_025584	CD99 antigen (Cd99), mRNA.	Mme-M400011501	ILMN_1232849	0	0
171486	Cd99l2	-0.042	-0.119	0.031	0	0	0	0	0	0	NM_138309	Cd99 antigen-like 2 (Cd99l2), mRNA.	Mme-M300010086	ILMN_2663576	0	0
72269	Cda	-0.287	-0.085	-0.143	0	0	0	0	0	0	NM_028176	cytidine deaminase (Cda), mRNA.	Mme-M200014423	ILMN_2728088	0	0
68968	Cdan1	0.098	-0.031	-0.022	0	0	0	0	0	0	NM_026891	congenital dyserythropoietic anemia, type I (human) (Cdan1), mRNA.	Mme-M300005552	ILMN_2959974	0	0
98828	Cdc123	-0.068	-0.060	-0.031	0	0	0	0	0	0	NM_133837	cell division cycle 123 homolog (S. cerevisiae) (Cdc123), mRNA.	Mme-M200012002	ILMN_1224222	0	0
229776	Cdc14a	0.211	-0.016	0.043	0	0	0	0	0	0	NM_001080818	CDC14 cell division cycle 14 homolog A (S. cerevisiae) (Cdc14a), mRNA.	Mme-M300008807	ILMN_2717251	0	0
69957	Cdc16	0.142	0.070	0.011	0	0	0	0	0	0	NM_027276	CDC16 cell division cycle 16 homolog (S. cerevisiae) (Cdc16), mRNA.	Mme-M200012086	ILMN_2709525	0	0
107995	Cdc20	0.308	0.177	0.136	0	0	0	0	0	0	NM_023223	cell division cycle 20 homolog (S. cerevisiae) (Cdc20), mRNA.	Mme-M300000799	ILMN_2612206	0	0
12530	Cdc25a	-0.003	-0.082	-0.016	0	0	0	0	0	0	NM_007658	cell division cycle 25 homolog A (S. pombe) (Cdc25a), mRNA.	Mme-M400001466	ILMN_2773110	0	0
12531	Cdc25b	0.126	0.128	0.032	0	0	0	0	0	0	NM_001111075	cell division cycle 25 homolog B (S. pombe) (Cdc25b), transcript variant 2, mRNA.	Mme-M400001000	ILMN_2830898	0	0
12532	Cdc25c	-0.472	0.079	0.104	0	0	0	0	0	0	NM_009860	cell division cycle 25 homolog C (S. pombe) (Cdc25c), mRNA.	Mme-M400002864	ILMN_2733046	0	0
66440	Cdc26	0.049	-0.054	-0.033	0	0	0	0	0	0	NM_139291	cell division cycle 26 (Cdc26), mRNA.	Mme-M400011877	ILMN_2588986	0	0
217232	Cdc27	-0.059	-0.132	0.166	0	0	0	0	0	0	NM_145436	cell division cycle 27 homolog (S. cerevisiae) (Cdc27), mRNA.	Mme-M400000409	ILMN_1222385	0	0
216150	Cdc34	0.312	-0.316	-0.051	0	0	0	0	0	0	NM_177613	cell division cycle 34 homolog (S. cerevisiae) (Cdc34), mRNA.	Mme-M400000378	ILMN_2724386	0	0
12539	Cdc37	0.046	-0.017	0.132	0	0	0	0	0	0	NM_016742	cell division cycle 37 homolog (S. cerevisiae) (Cdc37), mRNA.	Mme-M200001600	ILMN_2721966	0	0
67072	Cdc37l1	-0.241	-0.119	0.128	0	0	0	0	0	0	NM_025950	cell division cycle 37 homolog (S. cerevisiae)-like 1 (Cdc37l1), mRNA.	Mme-M200015508	ILMN_1242724	0	0
12540	Cdc42	0.183	0.102	0.050	0	0	0	0	0	0	NM_009861	cell division cycle 42 homolog (S. cerevisiae) (Cdc42), mRNA.	Mme-M300000845	ILMN_1225564	0	0
226751	Cdc42bpa	-0.233	-0.269	0.006	0	0	0	0	0	0	XM_975992	PREDICTED: Cdc42 binding protein kinase alpha, transcript variant 8 (Cdc42bpa), mRNA.	Mme-M300021412	ILMN_2650521	0	0
217866	Cdc42bpb	0.001	0.078	-0.039	0	0	0	0	0	0	NM_183016	Cdc42 binding protein kinase beta (Cdc42bpb), mRNA.	Mme-M300002665	ILMN_2867696	0	0
240505	Cdc42bpg	0.146	0.086	-0.066	0	0	0	0	0	0	XM_906449	PREDICTED: CDC42 binding protein kinase gamma (DMPK-like) (Cdc42bpg), mRNA.	Mme-M300004309	ILMN_2531530	0	0
104445	Cdc42ep1	-0.205	-0.050	0.025	0	0	0	0	0	0	NM_027219	CDC42 effector protein (Rho GTPase binding) 1 (Cdc42ep1), mRNA.	Mme-M400012847	ILMN_2523947	0	0
104252	Cdc42ep2	-0.030	-0.057	-0.101	0	0	0	0	0	0	NM_026772	CDC42 effector protein (Rho GTPase binding) 2 (Cdc42ep2), mRNA.	Mme-M200012482	ILMN_1239294	0	0
260409	Cdc42ep3	0.031	-0.174	0.207	0	0	0	0	0	0	NM_026514	CDC42 effector protein (Rho GTPase binding) 3 (Cdc42ep3), mRNA.	Mme-M200009303	ILMN_2733185	0	0
56699	Cdc42ep4	0.115	0.022	-0.033	0	0	0	0	0	0	NM_020006	CDC42 effector protein (Rho GTPase binding) 4 (Cdc42ep4), mRNA.	Mme-M200004253	ILMN_2728431	0	0
58804	Cdc42ep5	0.134	-0.064	-0.031	0	0	0	0	0	0	NM_021454	CDC42 effector protein (Rho GTPase binding) 5 (Cdc42ep5), mRNA.	Mme-M400011395	ILMN_2592823	0	0
57912	Cdc42se1	0.261	0.121	-0.123	0	0	0	0	0	0	NM_172395	CDC42 small effector 1 (Cdc42se1), transcript variant 1, mRNA.	Mme-M200005873	ILMN_1259946	0	0
72729	Cdc42se2	0.041	0.109	-0.059	0	0	0	0	0	0	NM_178626	CDC42 small effector 2 (Cdc42se2), mRNA.	Mme-M400004064	ILMN_2753604	0	0
12544	Cdc45	0.044	0.102	-0.111	0	0	0	0	0	0	NM_009862	cell division cycle 45 homolog (S. cerevisiae)-like (Cdc45l), mRNA.	Mme-M200000463	ILMN_2919433	0	0
71702	Cdc5l	0.153	0.162	0.097	0	0	0	0	0	0	NM_152810	cell division cycle 5-like (S. pombe) (Cdc5l), mRNA.	Mme-M400000702	ILMN_2799969	0	0
23834	Cdc6	-0.016	0.112	0.026	0	0	0	0	0	0	NM_001025779	cell division cycle 6 homolog (S. cerevisiae) (Cdc6), transcript variant 2, mRNA.	Mme-M200003999	ILMN_2597255	0	0
12545	Cdc7	0.083	0.037	-0.062	0	0	0	0	0	0	NM_009863	cell division cycle 7 (S. cerevisiae) (Cdc7), mRNA.	Mme-M300006596	ILMN_1255981	0	0
214498	Cdc73	0.211	-0.105	0.057	0	0	0	0	0	0	NM_145991	cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) (Cdc73), mRNA.	Mme-M300005062	ILMN_1216938	0	0
108912	Cdca2	0.045	0.129	-0.010	0	0	0	0	0	0	NM_175384	cell division cycle associated 2 (Cdca2), transcript variant 2, mRNA.	Mme-M300019694	ILMN_2632153	0	0
14793	Cdca3	0.218	0.124	-0.077	0	0	0	0	0	0	NM_013538	cell division cycle associated 3 (Cdca3), mRNA.	Mme-M200004327	ILMN_2832219	0	0
71963	Cdca4	0.079	0.341	-0.104	0	0	0	0	0	0	NM_028023	cell division cycle associated 4 (Cdca4), mRNA.	Mme-M200006087	ILMN_2809202	0	0
67849	Cdca5	0.070	-0.045	0.103	0	0	0	0	0	0	NM_026410	cell division cycle associated 5 (Cdca5), mRNA.	Mme-M200004639	ILMN_2787871	0	0
66953	Cdca7	-0.210	0.289	0.157	0	0	0	0	0	0	NM_025866	cell division cycle associated 7 (Cdca7), mRNA.	Mme-M300001755	ILMN_1221568	0	0
217946	Cdca7l	0.008	0.102	-0.025	0	0	0	0	0	0	NM_146040	cell division cycle associated 7 like (Cdca7l), mRNA.	Mme-M300002602	ILMN_2632034	0	0
52276	Cdca8	0.281	0.214	0.069	0	0	0	0	0	0	NM_026560	cell division cycle associated 8 (Cdca8), mRNA.	Mme-M300006338	ILMN_2543393	0	0
109332	Cdcp1	-0.122	-0.126	-0.052	0	0	0	0	0	0	NM_133974	CUB domain containing protein 1 (Cdcp1), mRNA.	Mme-M400001816	ILMN_1258262	0	0
242603	Cdcp2	-0.147	-0.021	-0.027	0	0	0	0	0	0	NM_172873	CUB domain containing protein 2 (Cdcp2), mRNA.	Mme-M300018475	ILMN_1251133	0	0
12550	Cdh1	-0.189	-0.222	-0.038	0	0	0	0	0	0	NM_009864	cadherin 1 (Cdh1), mRNA.	Mme-M200007778	ILMN_2628629	0	0
320873	Cdh10	0.148	0.038	-0.040	0	0	0	0	0	0	NM_009865	cadherin 10 (Cdh10), mRNA.	Mme-M400000558	ILMN_2745139	0	0
12552	Cdh11	0.254	0.146	0.142	0	0	0	0	0	0	NM_009866	cadherin 11 (Cdh11), mRNA.	Mme-M200001793	ILMN_2737073	0	0
215654	Cdh12	0.014	0.090	-0.047	0	0	0	0	0	0	NM_001008420	cadherin 12 (Cdh12), mRNA.	Mme-M400002369	ILMN_1253923	0	0
12554	Cdh13	0.621	0.416	-0.077	0	0	0	0	0	0	NM_019707	cadherin 13 (Cdh13), mRNA.	Mme-M200004974	ILMN_2659503	0	0
12555	Cdh15	-0.097	0.056	-0.102	0	0	0	0	0	0	NM_007662	cadherin 15 (Cdh15), mRNA.	Mme-M400001419	ILMN_2610645	0	0
12556	Cdh16	-0.167	0.062	0.030	0	0	0	0	0	0	NM_007663	cadherin 16 (Cdh16), mRNA.	Mme-M200003766	ILMN_2670038	0	0
12557	Cdh17	-0.320	0.174	0.043	0	0	0	0	0	0	NM_019753	cadherin 17 (Cdh17), mRNA.	Mme-M400001068	ILMN_2648968	0	0
320865	Cdh18	-0.133	0.123	-0.039	0	0	0	0	0	0	NM_001081299	cadherin 18 (Cdh18), mRNA.	Mme-M400004649	ILMN_1236766	0	0
227485	Cdh19	-0.454	-0.163	-0.085	0	0	0	0	0	0	NM_001081386	cadherin 19, type 2 (Cdh19), mRNA.	Mme-M400003271	ILMN_3125113	0	0
12558	Cdh2	0.234	-0.067	-0.197	0	0	0	0	0	0	NM_007664	cadherin 2 (Cdh2), mRNA.	Mme-M200003356	ILMN_1247861	0	0
23836	Cdh20	-0.040	0.082	0.074	0	0	0	0	0	0	NM_011800	cadherin 20 (Cdh20), mRNA.	Mme-M200008568	ILMN_2628406	0	0
104010	Cdh22	0.140	0.046	-0.146	0	0	0	0	0	0	NM_174988	cadherin 22 (Cdh22), mRNA.	Mme-M400004364	ILMN_2666136	0	0
22295	Cdh23	0.006	0.084	0.145	0	0	0	0	0	0	NM_023370	cadherin 23 (otocadherin) (Cdh23), mRNA.	Mme-M200014818	ILMN_1252019	0	0
239096	Cdh24	0.211	0.027	-0.060	0	0	0	0	0	0	NM_199470	cadherin-like 24 (Cdh24), mRNA.	Mme-M300003131	ILMN_2699800	0	0
381409	Cdh26	-0.108	-0.130	-0.364	0	0	-1	0	0	0	NM_198656	cadherin-like 26 (Cdh26), mRNA.	Mme-M300011990	ILMN_2707976	0	0
12560	Cdh3	-0.268	-0.166	0.127	0	0	0	0	0	0	NM_001037809	cadherin 3 (Cdh3), transcript variant 1, mRNA.	Mme-M300007974	ILMN_1222853	0	0
12561	Cdh4	-0.106	-0.270	0.179	0	0	0	0	0	0	NM_009867	cadherin 4 (Cdh4), mRNA.	Mme-M300000052	ILMN_1255939	0	0
12562	Cdh5	0.148	0.174	0.036	0	0	0	0	0	0	NM_009868	cadherin 5 (Cdh5), mRNA.	Mme-M200004214	ILMN_2866951	0	0
12563	Cdh6	-0.177	0.069	0.079	0	0	0	0	0	0	NM_007666	cadherin 6 (Cdh6), mRNA.	Mme-M200014907	ILMN_2736042	0	0
241201	Cdh7	0.033	0.095	-0.078	0	0	0	0	0	0	NM_172853	cadherin 7, type 2 (Cdh7), mRNA.	Mme-M300005036	ILMN_2690911	0	0
12564	Cdh8	-0.134	0.116	0.233	0	0	0	0	0	0	NM_007667	cadherin 8 (Cdh8), transcript variant 2, mRNA.	Mme-M200013816	ILMN_1224574	0	0
12565	Cdh9	0.014	-0.031	0.020	0	0	0	0	0	0	NM_009869	cadherin 9 (Cdh9), mRNA.	Mme-M300004605	ILMN_1255228	0	0
170677	Cdhr1	-0.205	0.054	-0.112	0	0	0	0	0	0	NM_130878	protocadherin 21 (Pcdh21), mRNA.	Mme-M200009861	ILMN_2980815	0	0
268663	Cdhr2	-0.139	-0.072	-0.055	0	0	0	0	0	0	NM_001033364	protocadherin 24 (Pcdh24), mRNA.	Mme-M300009614	ILMN_3034303	0	0
68764	Cdhr3	-0.037	0.043	-0.156	0	0	0	0	0	0	NM_001024478	RIKEN cDNA 1110049B09 gene (1110049B09Rik), mRNA.	Mme-M300010116	ILMN_3159695	0	0
72040	Cdhr5	-0.162	0.027	0.034	0	0	0	0	0	0	NM_028069	mucin-like protocadherin (Mupcdh), transcript variant 2, mRNA.	Mme-M200006312	ILMN_2749556	0	0
66626	Cdip1	-0.018	-0.012	-0.063	0	0	0	0	0	0	NM_025670	RIKEN cDNA 5730403B10 gene (5730403B10Rik), mRNA.	Mme-M200009937	ILMN_1227252	0	0
52858	Cdipt	0.118	-0.081	-0.205	0	0	0	0	0	0	NM_138754	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase) (Cdipt), mRNA.	Mme-M200005892	ILMN_1224421	0	0
12534	Cdk1	0.221	0.406	0.220	0	0	0	0	0	0	NM_007659	cell division cycle 2 homolog A (S. pombe) (Cdc2a), mRNA.	Mme-M300001903	ILMN_2657844	0	0
234854	Cdk10	0.096	0.108	0.117	0	0	0	0	0	0	NM_194444	cyclin-dependent kinase (CDC2-like) 10 (Cdk10), transcript variant 2, mRNA.	Mme-M400012568	ILMN_2633872	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12537	Cdk11b	-0.016	-0.087	0.112	0	0	0	0	0	0	NM_007661	cell division cycle 2-like 1 (Cdc2l1), mRNA.	Mme-M300006461	ILMN_1241980	0	0
69131	Cdk12	0.058	0.073	0.087	0	0	0	0	0	0	NM_026952	Cdc2-related kinase, arginine/serine-rich (Crkrs), transcript variant 3, mRNA.	Mme-M300000375	ILMN_1254548	0	0
69562	Cdk13	-0.456	-0.050	0.016	0	0	0	0	0	0	NM_001081058	cell division cycle 2-like 5 (cholinesterase-related cell division controller) (Cdc2l5), mRNA.	Mme-M200004161	ILMN_1220241	0	0
18647	Cdk14	0.131	-0.116	-0.077	0	0	0	0	0	0	NM_011074	PFTAIRE protein kinase 1 (Pftk1), mRNA.	Mme-M200002365	ILMN_2805672	0	0
271697	Cdk15	-0.314	0.015	-0.219	0	0	0	0	0	0	XM_990659	PREDICTED: amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 7 (Als2cr7), mRNA.	Mme-M400000882	ILMN_2526226	0	0
18555	Cdk16	0.097	0.087	-0.045	0	0	0	0	0	0	NM_011049	PCTAIRE-motif protein kinase 1 (Pctk1), mRNA.	Mme-M200001830	ILMN_2757150	0	0
18557	Cdk18	0.047	-0.012	0.037	0	0	0	0	0	0	NM_008795	PCTAIRE-motif protein kinase 3 (Pctk3), mRNA.	Mme-M200005849	ILMN_1229145	0	0
78334	Cdk19	-0.130	-0.089	0.072	0	0	0	0	0	0	NM_198164	cell division cycle 2-like 6 (CDK8-like) (Cdc2l6), mRNA.	Mme-M300011573	ILMN_2644664	0	0
12566	Cdk2	-0.281	0.165	0.257	0	0	0	0	0	0	NM_016756	cyclin-dependent kinase 2 (Cdk2), transcript variant 2, mRNA.	Mme-M200000037	ILMN_2770759	0	0
105278	Cdk20	0.240	0.205	-0.133	0	0	0	0	0	0	NM_053180	cell cycle related kinase (Ccrk), mRNA.	Mme-M200012995	ILMN_1238571	0	0
13445	Cdk2ap1	0.032	-0.126	-0.085	0	0	0	0	0	0	NM_013812	CDK2 (cyclin-dependent kinase 2)-associated protein 1 (Cdk2ap1), mRNA.	Mme-M300006662	ILMN_2736530	0	0
52004	Cdk2ap2	0.242	0.097	0.032	0	0	0	0	0	0	NM_026373	CDK2-associated protein 2 (Cdk2ap2), mRNA.	Mme-M200006561	ILMN_2627093	0	0
69681	Cdk3-ps	0.021	-0.054	-0.068	0	0	0	0	0	0	NR_004853	cyclin-dependent kinase 3 (Cdk3) on chromosome 11.	Mme-M200015556	ILMN_2607040	0	0
12567	Cdk4	0.294	0.076	-0.187	0	0	0	0	0	0	NM_009870	cyclin-dependent kinase 4 (Cdk4), mRNA.	Mme-M200002442	ILMN_2646203	0	0
12568	Cdk5	0.017	0.187	0.007	0	0	0	0	0	0	NM_007668	cyclin-dependent kinase 5 (Cdk5), mRNA.	Mme-M300006400	ILMN_1216721	0	0
12569	Cdk5r1	0.310	-0.072	0.005	0	0	0	0	0	0	NM_009871	cyclin-dependent kinase 5, regulatory subunit (p35) 1 (Cdk5r1), mRNA.	Mme-M200000045	ILMN_1259339	0	0
66971	Cdk5rap1	0.153	0.064	0.081	0	0	0	0	0	0	NM_025876	CDK5 regulatory subunit associated protein 1 (Cdk5rap1), mRNA.	Mme-M200015368	ILMN_1249441	0	0
214444	Cdk5rap2	-0.178	-0.065	-0.167	0	0	0	0	0	0	NM_145990	CDK5 regulatory subunit associated protein 2 (Cdk5rap2), mRNA.	Mme-M300006055	ILMN_2842859	0	0
80280	Cdk5rap3	0.123	0.024	-0.053	0	0	0	0	0	0	NM_030248	CDK5 regulatory subunit associated protein 3 (Cdk5rap3), mRNA.	Mme-M200005932	ILMN_1214934	0	0
12571	Cdk6	-0.418	0.035	0.091	0	0	0	0	0	0	NM_009873	cyclin-dependent kinase 6 (Cdk6), mRNA.	Mme-M200015943	ILMN_1259714	0	0
264064	Cdk8	0.159	-0.252	-0.035	0	0	0	0	0	0	NM_153599	cyclin-dependent kinase 8 (Cdk8), mRNA.	Mme-M300006792	ILMN_2616495	0	0
107951	Cdk9	0.139	-0.104	0.134	0	0	0	0	0	0	NM_130860	cyclin-dependent kinase 9 (CDC2-related kinase) (Cdk9), mRNA.	Mme-M200005598	ILMN_2683933	0	0
68916	Cdkal1	0.242	-0.066	0.121	0	0	0	0	0	0	NM_144536	CDK5 regulatory subunit associated protein 1-like 1 (Cdkal1), mRNA.	Mme-M200009353	ILMN_2625114	0	0
71091	Cdkl1	-0.265	0.118	-0.026	0	0	0	0	0	0	NM_183294	cyclin-dependent kinase-like 1 (CDC2-related kinase) (Cdkl1), mRNA.	Mme-M200009064	ILMN_2852737	0	0
53886	Cdkl2	0.078	-0.158	-0.135	0	0	0	0	0	0	NM_177270	cyclin-dependent kinase-like 2 (CDC2-related kinase) (Cdkl2), transcript variant 2, mRNA.	Mme-M200003581	ILMN_2657790	0	0
213084	Cdkl3	-0.025	0.068	-0.062	0	0	0	0	0	0	NM_153785	cyclin-dependent kinase-like 3 (Cdkl3), mRNA.	Mme-M400012203	ILMN_1224846	0	0
381113	Cdkl4	-0.045	-0.102	-0.157	0	0	0	0	0	0	NM_001033443	cyclin-dependent kinase-like 4 (Cdkl4), mRNA.	Mme-M400001623	ILMN_1248671	0	0
382253	Cdkl5	0.247	0.032	0.032	0	0	0	0	0	0	NM_001024624	cyclin-dependent kinase-like 5 (Cdkl5), mRNA.	Mme-M300007650	ILMN_1246900	0	0
12575	Cdkn1a	0.405	0.231	-0.072	0	0	0	0	0	0	NM_007669	cyclin-dependent kinase inhibitor 1A (P21) (Cdkn1a), transcript variant 1, mRNA.	Mme-M200007578	ILMN_2634083	0	0
12576	Cdkn1b	-0.151	0.053	0.066	0	0	0	0	0	0	NM_009875	cyclin-dependent kinase inhibitor 1B (Cdkn1b), mRNA.	Mme-M200002663	ILMN_2638428	0	0
12577	Cdkn1c	0.073	-0.291	-0.080	0	0	0	0	0	0	NM_009876	cyclin-dependent kinase inhibitor 1C (P57) (Cdkn1c), mRNA.	Mme-M200011642	ILMN_2708203	0	0
12578	Cdkn2a	-0.271	-0.012	-0.019	0	0	0	0	0	0	NM_001040654	cyclin-dependent kinase inhibitor 2A (Cdkn2a), transcript variant 2, mRNA.	Mme-M400009293	ILMN_1227342	0	0
70925	Cdkn2aip	0.136	0.022	-0.039	0	0	0	0	0	0	NM_172407	CDKN2A interacting protein (Cdkn2aip), mRNA.	Mme-M200014768	ILMN_2722913	0	0
52626	Cdkn2aipnl	0.152	0.115	-0.009	0	0	0	0	0	0	NM_029976	CDKN2A interacting protein N-terminal like (Cdkn2aipnl), mRNA.	Mme-M200003924	ILMN_1236906	0	0
12579	Cdkn2b	0.080	-0.079	0.049	0	0	0	0	0	0	NM_007670	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) (Cdkn2b), mRNA.	Mme-M400010747	ILMN_1227240	0	0
12580	Cdkn2c	0.185	0.229	-0.177	0	0	0	0	0	0	NM_007671	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (Cdkn2c), mRNA.	Mme-M200000730	ILMN_1228366	0	0
12581	Cdkn2d	-0.093	0.023	-0.014	0	0	0	0	0	0	NM_009878	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (Cdkn2d), mRNA.	Mme-M400009609	ILMN_1225214	0	0
72391	Cdkn3	0.042	0.003	0.094	0	0	0	0	0	0	XM_899867	PREDICTED: cyclin-dependent kinase inhibitor 3, transcript variant 2 (Cdkn3), mRNA.	Mme-M200005467	ILMN_1243616	0	0
227526	Cdnf	0.039	-0.131	-0.095	0	0	0	0	0	0	NM_177647	arginine-rich, mutated in early stage tumors-like 1 (Armetl1), mRNA.	Mme-M300012208	ILMN_2721460	0	0
12583	Cdo1	0.222	0.209	0.040	0	0	0	0	0	0	NM_033037	cysteine dioxygenase 1, cytosolic (Cdo1), mRNA.	Mme-M200006769	ILMN_2975345	0	0
57810	Cdon	0.102	-0.052	-0.055	0	0	0	0	0	0	NM_021339	cell adhesion molecule-related/down-regulated by oncogenes (Cdon), mRNA.	Mme-M200003898	ILMN_2727643	0	0
72355	Cdpf1	0.087	-0.011	-0.091	0	0	0	0	0	0	NM_197998	RIKEN cDNA 2210021J22 gene (2210021J22Rik), mRNA.	Mme-M300015195	ILMN_2781118	0	0
12585	Cdr2	0.064	0.020	-0.162	0	0	0	0	0	0	NM_007672	cerebellar degeneration-related 2 (Cdr2), mRNA.	Mme-M200000658	ILMN_1255513	0	0
237988	Cdr2l	-0.236	0.245	0.068	0	0	0	0	0	0	NM_001080929	cerebellar degeneration-related protein 2-like (Cdr2l), mRNA.	Mme-M400003754	ILMN_2501692	0	0
66338	Cdrt4	-0.154	-0.030	0.001	0	0	0	0	0	0	NM_025496	CMT1A duplicated region transcript 4 (Cdrt4), mRNA.	Mme-M200014415	ILMN_2655175	0	0
74596	Cds1	-0.094	-0.021	-0.028	0	0	0	0	0	0	NM_173370	CDP-diacylglycerol synthase 1 (Cds1), mRNA.	Mme-M200014600	ILMN_2919860	0	0
110911	Cds2	-0.267	-0.089	-0.151	0	0	0	0	0	0	NM_138651	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2 (Cds2), mRNA.	Mme-M200009626	ILMN_2626359	0	0
386463	Cdsn	0.137	0.132	-0.082	0	0	0	0	0	0	NM_001008424	corneodesmosin (Cdsn), mRNA.	Mme-M300012219	ILMN_1235732	0	0
67177	Cdt1	-0.206	0.204	0.188	0	0	0	0	0	0	NM_026014	chromatin licensing and DNA replication factor 1 (Cdt1), mRNA.	Mme-M200004237	ILMN_2730463	0	0
321022	Cdv3	0.018	0.113	0.110	0	0	0	0	0	0	NM_175833	carnitine deficiency-associated gene expressed in ventricle 3 (Cdv3), transcript variant CDV3B, mRNA.	Mme-M200006310	ILMN_2673894	0	0
12590	Cdx1	-0.237	-0.059	-0.071	0	0	0	0	0	0	NM_009880	caudal type homeo box 1 (Cdx1), mRNA.	Mme-M200009520	ILMN_2863641	0	0
12591	Cdx2	-0.118	-0.024	0.129	0	0	0	0	0	0	NM_007673	caudal type homeo box 2 (Cdx2), mRNA.	Mme-M300006798	ILMN_2725853	0	0
12592	Cdx4	0.005	-0.008	0.006	0	0	0	0	0	0	NM_007674	caudal type homeo box 4 (Cdx4), mRNA.	Mme-M200001699	ILMN_1241829	0	0
12593	Cdyl	-0.170	-0.096	0.080	0	0	0	0	0	0	NM_009881	chromodomain protein, Y chromosome-like (Cdyl), transcript variant 1, mRNA.	Mme-M200006271	ILMN_2680574	0	0
75796	Cdyl2	0.181	0.176	-0.042	0	0	0	0	0	0	NM_029441	chromodomain protein, Y chromosome-like 2 (Cdyl2), mRNA.	Mme-M200011041	ILMN_2728967	0	0
26365	Ceacam1	0.034	-0.097	0.310	0	0	1	0	0	0	NM_011926	CEA-related cell adhesion molecule 1 (Ceacam1), transcript variant 3, mRNA.	Mme-M400000067	ILMN_3126609	0	0
26366	Ceacam10	0.171	0.002	0.025	0	0	0	0	0	0	NM_007675	CEA-related cell adhesion molecule 10 (Ceacam10), mRNA.	Mme-M300001135	ILMN_1234281	0	0
66996	Ceacam11	-0.094	-0.035	-0.030	0	0	0	0	0	0	NM_023289	CEA-related cell adhesion molecule 11 (Ceacam11), mRNA.	Mme-M200007874	ILMN_1242002	0	0
67315	Ceacam12	-0.041	-0.094	0.028	0	0	0	0	0	0	NM_026087	CEA-related cell adhesion molecule 12 (Ceacam12), mRNA.	Mme-M200014383	ILMN_2720002	0	0
69785	Ceacam13	-0.269	0.025	-0.024	0	0	0	0	0	0	NM_028171	CEA-related cell adhesion molecule 13 (Ceacam13), mRNA.	Mme-M400011630	ILMN_2692200	0	0
67084	Ceacam14	0.126	0.044	0.065	0	0	0	0	0	0	NM_025957	CEA-related cell adhesion molecule 14 (Ceacam14), mRNA.	Mme-M400011524	ILMN_2810744	0	0
330483	Ceacam16	0.028	0.076	0.030	0	0	0	0	0	0	NM_001033419	CEA-related cell adhesion molecule 16 (Ceacam16), mRNA.	Mme-M400000214	ILMN_2981536	0	0
72431	Ceacam18	-0.425	-0.003	-0.024	0	0	0	0	0	0	NM_028236	CEA-related cell adhesion molecule 1 (Ceacam18), mRNA.	Mme-M200010488	ILMN_1217029	0	0
26367	Ceacam2	-0.097	0.012	-0.076	0	0	0	0	0	0	NM_007543	CEA-related cell adhesion molecule 2 (Ceacam2), transcript variant 3, mRNA.	Mme-M200009845	ILMN_2597854	0	0
71601	Ceacam20	-0.385	0.004	0.028	0	0	0	0	0	0	NM_027839	CEA-related cell adhesion molecule 20 (Ceacam20), mRNA.	Mme-M400007293	ILMN_1233831	0	0
384557	Ceacam3	0.089	-0.095	0.036	0	0	0	0	0	0	XM_357710	PREDICTED: carcinoembryonic antigen-related cell adhesion molecule 3 (Ceacam3), mRNA.	Mme-M400000158	ILMN_2539947	0	0
73250	Ceacam5	0.106	-0.032	-0.101	0	0	0	0	0	0	NM_028480	pregnancy-specific glycoprotein 30 (Psg30), mRNA.	Mme-M400000655	ILMN_1232979	0	0
26368	Ceacam9	-0.326	0.044	-0.089	0	0	0	0	0	0	NM_011927	CEA-related cell adhesion molecule 9 (Ceacam9), mRNA.	Mme-M400000141	ILMN_2703161	0	0
12606	Cebpa	0.075	0.067	-0.009	0	0	0	0	0	0	NM_007678	CCAAT/enhancer binding protein (C/EBP), alpha (Cebpa), mRNA.	Mme-M300009629	ILMN_1247147	0	0
12608	Cebpb	0.349	-0.156	0.043	0	0	0	0	0	0	NM_009883	CCAAT/enhancer binding protein (C/EBP), beta (Cebpb), mRNA.	Mme-M400005528	ILMN_2756435	0	0
12609	Cebpd	-0.154	0.100	0.004	0	0	0	0	0	0	NM_007679	CCAAT/enhancer binding protein (C/EBP), delta (Cebpd), mRNA.	Mme-M400010749	ILMN_2588570	0	0
110794	Cebpe	0.056	-0.031	0.072	0	0	0	0	0	0	NM_207131	CCAAT/enhancer binding protein (C/EBP), epsilon (Cebpe), mRNA.	Mme-M400004119	ILMN_1220301	0	0
12611	Cebpg	-0.209	-0.220	0.092	0	0	0	0	0	0	NM_009884	CCAAT/enhancer binding protein (C/EBP), gamma (Cebpg), mRNA.	Mme-M200001315	ILMN_1244024	0	0
12607	Cebpz	0.266	0.004	-0.031	0	0	0	0	0	0	NM_001024806	CCAAT/enhancer binding protein zeta (Cebpz), mRNA.	Mme-M200004811	ILMN_2677676	0	0
214932	Cecr5	0.090	0.096	0.088	0	0	0	0	0	0	NM_144815	cat eye syndrome chromosome region, candidate 5 homolog (human) (Cecr5), mRNA.	Mme-M200009874	ILMN_1257102	0	0
94047	Cecr6	0.173	0.367	0.079	0	0	0	0	0	0	NM_033567	cat eye syndrome chromosome region, candidate 6 homolog (human) (Cecr6), mRNA.	Mme-M400003818	ILMN_1248101	0	0
12613	Cel	-0.222	-0.041	-0.086	0	0	0	0	0	0	NM_009885	carboxyl ester lipase (Cel), mRNA.	Mme-M200001696	ILMN_2666677	0	0
109901	Cela1	-0.015	0.171	-0.046	0	0	0	0	0	0	NM_033612	elastase 1, pancreatic (Ela1), mRNA.	Mme-M200000810	ILMN_2693403	0	0
13706	Cela2a	0.043	-0.210	-0.001	0	0	0	0	0	0	NM_007919	elastase 2A (Ela2a), mRNA.	Mme-M200004254	ILMN_2674620	0	0
67868	Cela3b	-0.070	0.035	-0.065	0	0	0	0	0	0	NM_026419	elastase 3, pancreatic (Ela3), mRNA.	Mme-M300003728	ILMN_2671137	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13046	Celf1	0.348	-0.217	-0.064	0	0	0	0	0	0	NM_198683	CUG triplet repeat, RNA binding protein 1 (Cugbp1), transcript variant 2, mRNA.	Mme-M400000106	ILMN_1221266	0	0
14007	Celf2	0.326	-0.114	0.044	0	0	0	0	0	0	NM_001110228	CUG triplet repeat, RNA binding protein 2 (Cugbp2), transcript variant 1, mRNA.	Mme-M400012544	ILMN_1252673	0	0
78784	Celf3	0.018	-0.038	0.051	0	0	0	0	0	0	NM_172434	trinucleotide repeat containing 4 (Tnrc4), mRNA.	Mme-M200014084	ILMN_2451819	0	0
108013	Celf4	0.071	0.236	-0.093	0	0	0	0	0	0	NM_133195	bruno-like 4, RNA binding protein (Drosophila) (Brunol4), mRNA.	Mme-M400011803	ILMN_1243635	0	0
76183	Celf6	-0.108	0.039	-0.104	0	0	0	0	0	0	NM_175235	bruno-like 6, RNA binding protein (Drosophila) (Brunol6), mRNA.	Mme-M300008173	ILMN_1236448	0	0
12614	Celsr1	-0.252	-0.096	-0.054	0	0	0	0	0	0	NM_009886	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila) (Celsr1), mRNA.	Mme-M400000247	ILMN_1235423	0	0
53883	Celsr2	0.098	0.196	0.082	0	0	0	0	0	0	NM_017392	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila) (Celsr2), transcript variant 1, m	Mme-M400011286	ILMN_1254576	0	0
107934	Celsr3	0.021	0.101	-0.193	0	0	0	0	0	0	NM_080437	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila) (Celsr3), mRNA.	Mme-M300003736	ILMN_2604070	0	0
80982	Cemip	-0.054	0.079	-0.011	0	0	0	0	0	0	NM_030728	RIKEN cDNA 9930013L23 gene (9930013L23Rik), mRNA.	Mme-M300007337	ILMN_1216436	0	0
57754	Cend1	-0.346	0.040	0.037	0	0	0	0	0	0	NM_021316	cell cycle exit and neuronal differentiation 1 (Cend1), mRNA.	Mme-M400007149	ILMN_2753173	0	0
12615	Cenpa	0.387	0.181	0.225	0	0	0	0	0	0	NM_007681	centromere protein A (Cenpa), mRNA.	Mme-M200002390	ILMN_1236574	0	0
12616	Cenpb	0.119	-0.117	-0.082	0	0	0	0	0	0	NM_007682	centromere protein B (Cenpb), mRNA.	Mme-M400010750	ILMN_2631771	0	0
12617	Cenpc1	0.087	-0.058	0.029	0	0	0	0	0	0	NM_007683	centromere protein C1 (Cenpc1), mRNA.	Mme-M400001150	ILMN_2649740	0	0
229841	Cenpe	0.136	0.071	-0.017	0	0	0	0	0	0	NM_173762	centromere protein E (Cenpe), mRNA.	Mme-M300011290	ILMN_2759415	0	0
108000	Cenpf	0.227	-0.078	0.106	0	0	0	0	0	0	NM_001081363	centromere protein F (Cenpf), mRNA.	Mme-M300022030	ILMN_1234999	0	0
26886	Cenph	-0.101	0.087	-0.092	0	0	0	0	0	0	NM_021886	centromere protein H (Cenph), mRNA.	Mme-M300016241	ILMN_2693785	0	0
102920	Cenpi	0.000	-0.154	0.123	0	0	0	0	0	0	NM_145924	centromere protein I (Cenpi), mRNA.	Mme-M300007633	ILMN_2821788	0	0
219103	Cenpj	0.182	0.100	0.151	0	0	0	0	0	0	NM_001014996	centromere protein J (Cenpj), mRNA.	Mme-M300012555	ILMN_2652056	0	0
60411	Cenpk	0.216	0.068	0.139	0	0	0	0	0	0	NM_021790	centromere protein K (Cenpk), transcript variant 1, mRNA.	Mme-M200000117	ILMN_2659337	0	0
70454	Cenpl	0.046	0.075	0.111	0	0	0	0	0	0	NM_027429	centromere protein L (Cenpl), mRNA.	Mme-M300005248	ILMN_2883414	0	0
66570	Cenpm	0.055	0.104	0.086	0	0	0	0	0	0	NM_178269	centromere protein M (Cenpm), transcript variant 2, mRNA.	Mme-M400011504	ILMN_3104928	0	0
72155	Cenpn	-0.005	0.004	-0.135	0	0	0	0	0	0	NM_028131	centromere protein N (Cenpn), mRNA.	Mme-M200004588	ILMN_1223979	0	0
52504	Cenpo	-0.070	-0.037	-0.079	0	0	0	0	0	0	NM_134046	centromere protein O (Cenpo), mRNA.	Mme-M300002307	ILMN_2650860	0	0
66336	Cenpp	-0.117	-0.010	0.072	0	0	0	0	0	0	NM_025495	centromere protein P (Cenpp), mRNA.	Mme-M300002737	ILMN_2970623	0	0
83815	Cenpq	-0.007	0.010	0.145	0	0	0	0	0	0	NM_031863	centromere protein Q (Cenpq), mRNA.	Mme-M200002832	ILMN_2761273	0	0
320394	Cenpt	0.129	0.264	0.000	0	0	0	0	0	0	NM_177150	centromere protein T (Cenpt), mRNA.	Mme-M200005941	ILMN_2653972	0	0
73139	Cenpv	-0.032	-0.213	0.014	0	0	0	0	0	0	XM_203393	PREDICTED: proline-rich polypeptide 6, transcript variant 1 (Prr6), mRNA.	Mme-M200005067	ILMN_2664726	0	0
66311	Cenpw	0.084	0.087	0.144	0	0	0	0	0	0	NM_001109747	RIKEN cDNA 2610036L11 gene (2610036L11Rik), mRNA.	Mme-M400013120	ILMN_2543929	0	0
69710	Centd2	0.174	0.106	-0.139	0	0	0	0	0	0	NM_198096	centaurin, delta 2 (Centd2), transcript variant 2, mRNA.	Mme-M200013595	ILMN_1241458	0	0
230967	Cep104	0.036	-0.125	-0.083	0	0	0	0	0	0	NM_177673	cDNA sequence BC046331 (BC046331), mRNA.	Mme-M400002266	ILMN_1240038	0	0
225523	Cep120	-0.016	0.110	0.087	0	0	0	0	0	0	NM_178686	coiled-coil domain containing 100 (Ccdc100), mRNA.	Mme-M400009087	ILMN_2486454	0	0
75216	Cep128	0.110	-0.077	0.100	0	0	0	0	0	0	NM_181815	RIKEN cDNA 4930534B04 gene (4930534B04Rik), mRNA.	Mme-M200010386	ILMN_1238463	0	0
12009	Cep131	-0.022	0.048	-0.160	0	0	0	0	0	0	NM_001109658	5-azacytidine induced gene 1 (Azi1), transcript variant 2, mRNA.	Mme-M400002292	ILMN_1244993	0	0
381644	Cep135	0.045	-0.186	0.102	0	0	0	0	0	0	NM_199032	centrosomal protein 135 (Cep135), mRNA.	Mme-M300010366	ILMN_2624574	0	0
99100	Cep152	0.074	0.005	0.075	0	0	0	0	0	0	NM_001081091	centrosomal protein 152 (Cep152), mRNA.	Mme-M400007926	ILMN_2633107	0	0
382090	Cep162	-0.026	-0.073	0.114	0	0	0	0	0	0	NM_199316	RIKEN cDNA 4922501C03 gene (4922501C03Rik), mRNA.	Mme-M400005691	ILMN_2714415	0	0
214552	Cep164	-0.265	-0.127	-0.017	0	0	0	0	0	0	NM_001081373	centrosomal protein 164 (Cep164), mRNA.	Mme-M400001886	ILMN_1250182	0	0
545389	Cep170	-0.168	-0.115	-0.102	0	0	0	0	0	0	NM_001099637	centrosomal protein 170 (Cep170), mRNA.	Mme-M300005147	ILMN_1240566	0	0
217882	Cep170b	0.103	0.017	-0.040	0	0	0	0	0	0	NM_001024602	expressed sequence AW555464 (AW555464), mRNA.	Mme-M300011036	ILMN_2685769	0	0
66994	Cep19	-0.145	-0.042	0.028	0	0	0	0	0	0	NM_025892	RIKEN cDNA 1500031L02 gene (1500031L02Rik), mRNA.	Mme-M200004549	ILMN_2982736	0	0
216274	Cep290	-0.045	-0.071	-0.022	0	0	0	0	0	0	NM_146009	centrosomal protein 290 (Cep290), mRNA.	Mme-M400009841	ILMN_2691664	0	0
319675	Cep295	-0.236	-0.291	0.571	0	0	1	0	0	1	NM_176976	RIKEN cDNA 5830418K08 gene (5830418K08Rik), mRNA.	Mme-M300017040	ILMN_2541675	1	0
74081	Cep350	0.202	-0.159	-0.090	0	0	0	0	0	0	XM_129509	PREDICTED: centrosomal protein 350, transcript variant 1 (Cep350), mRNA.	Mme-M300008892	ILMN_1222118	0	0
83922	Cep41	0.131	0.180	-0.074	0	0	0	0	0	0	NM_031998	testis specific gene A14 (Tsga14), mRNA.	Mme-M200005684	ILMN_1228822	0	0
382010	Cep44	0.267	0.041	-0.080	0	0	0	0	0	0	NM_001009951	cDNA sequence BC088983 (BC088983), mRNA.	Mme-M400002109	ILMN_2541142	0	0
74107	Cep55	0.084	0.092	0.051	0	0	0	0	0	0	NM_028760	centrosomal protein 55 (Cep55), mRNA.	Mme-M400000788	ILMN_1243679	0	0
74360	Cep57	0.102	0.103	0.138	0	0	0	0	0	0	NM_026665	centrosomal protein 57 (Cep57), mRNA.	Mme-M300007976	ILMN_1223812	0	0
103268	Cep57l1	-0.085	-0.035	0.021	0	0	0	0	0	0	NM_026643	RIKEN cDNA 2410017P07 gene (2410017P07Rik), transcript variant 2, mRNA.	Mme-M300001842	ILMN_2807750	0	0
28135	Cep63	-0.030	-0.117	-0.062	0	0	0	0	0	0	NM_001081122	centrosomal protein 63 (Cep63), mRNA.	Mme-M300008298	ILMN_2473775	0	0
216543	Cep68	0.122	0.029	-0.055	0	0	0	0	0	0	NM_172260	centrosomal protein 68 (Cep68), mRNA.	Mme-M400002850	ILMN_2751090	0	0
68121	Cep70	-0.243	0.025	-0.005	0	0	0	0	0	0	NM_023873	centrosomal protein 70 (Cep70), mRNA.	Mme-M200003700	ILMN_1259385	0	0
74470	Cep72	-0.065	-0.043	-0.067	0	0	0	0	0	0	NM_028959	centrosomal protein 72 (Cep72), mRNA.	Mme-M200016421	ILMN_2950928	0	0
225659	Cep76	-0.077	0.010	-0.004	0	0	0	0	0	0	NM_001081073	centrosomal protein 76 (Cep76), mRNA.	Mme-M300012207	ILMN_1253298	0	0
208518	Cep78	-0.004	-0.208	0.073	0	0	0	0	0	0	NM_198019	centrosomal protein 78 (Cep78), mRNA.	Mme-M300013199	ILMN_1241270	0	0
70012	Cep85	-0.086	0.044	-0.107	0	0	0	0	0	0	NM_144527	coiled-coil domain containing 21 (Ccdc21), mRNA.	Mme-M300010927	ILMN_2759983	0	0
72140	Cep89	-0.099	0.093	-0.126	0	0	0	0	0	0	NM_028120	coiled-coil domain containing 123 (Ccdc123), mRNA.	Mme-M200009111	ILMN_2745151	0	0
320162	Cep95	-0.540	0.077	-0.036	0	0	0	0	0	0	NM_177088	coiled-coil domain containing 45 (Ccdc45), mRNA.	Mme-M300001661	ILMN_1246221	0	0
74201	Cep97	-0.036	0.077	-0.077	0	0	0	0	0	0	NM_028815	centrosomal protein 97 (Cep97), mRNA.	Mme-M200014644	ILMN_2750904	0	0
99712	Cept1	0.139	0.041	0.077	0	0	0	0	0	0	NM_133869	choline/ethanolaminephosphotransferase 1 (Cept1), mRNA.	Mme-M200003351	ILMN_2762334	0	0
12622	Cer1	-0.148	-0.044	0.030	0	0	0	0	0	0	NM_009887	cerberus 1 homolog (Xenopus laevis) (Cer1), mRNA.	Mme-M400002103	ILMN_2884751	0	0
99151	Cercam	0.153	0.113	0.002	0	0	0	0	0	0	NM_207298	cerebral endothelial cell adhesion molecule (Cercam), mRNA.	Mme-M300012371	ILMN_2671755	0	0
223753	Cerk	-0.281	-0.107	-0.155	0	0	0	0	0	0	NM_145475	ceramide kinase (Cerk), mRNA.	Mme-M300010133	ILMN_2749958	0	0
76893	Cers2	0.126	0.209	0.113	0	0	0	0	0	0	NM_029789	LAG1 homolog, ceramide synthase 2 (Lass2), mRNA.	Mme-M200011973	ILMN_2893999	0	0
545975	Cers3	-0.003	-0.015	-0.003	0	0	0	0	0	0	XM_620510	PREDICTED: longevity assurance homolog 3 (S. cerevisiae) (Lass3), mRNA.	Mme-M400001286	ILMN_1243498	0	0
67260	Cers4	-0.010	-0.590	0.097	0	-1	0	0	-1	0	NM_026058	LAG1 homolog, ceramide synthase 4 (Lass4), mRNA.	Mme-M200007760	ILMN_2880467	0	1
71949	Cers5	0.147	0.264	-0.035	0	0	0	0	0	0	NM_028015	LAG1 homolog, ceramide synthase 5 (Lass5), mRNA.	Mme-M300003631	ILMN_2613558	0	0
241447	Cers6	0.089	0.100	-0.069	0	0	0	0	0	0	NM_172856	LAG1 homolog, ceramide synthase 6 (Lass6), mRNA.	Mme-M300005442	ILMN_2900016	0	0
244595	Ces1a	-0.124	-0.107	-0.032	0	0	0	0	0	0	NM_001013764	predicted gene, EG244595 (EG244595), mRNA.	Mme-M400006581	ILMN_2533336	0	0
13884	Ces1c	-0.051	-0.068	-0.062	0	0	0	0	0	0	NM_007954	esterase 1 (Es1), mRNA.	Mme-M400010783	ILMN_2704749	0	0
104158	Ces1d	-0.117	-1.461	-1.034	0	-1	-1	0	-1	-1	NM_053200	carboxylesterase 3 (Ces3), mRNA.	Mme-M300007865	ILMN_2625893	0	2
13897	Ces1e	-0.034	-0.098	0.003	0	0	0	0	0	0	NM_133660	esterase 22 (Es22), mRNA.	Mme-M200015111	ILMN_2627528	0	0
234564	Ces1f	-0.094	0.126	-0.025	0	0	0	0	0	0	NM_144930	expressed sequence AU018778 (AU018778), mRNA.	Mme-M200006328	ILMN_1238140	0	0
12623	Ces1g	-0.252	-0.039	-0.024	0	0	0	0	0	0	NM_021456	carboxylesterase 1 (Ces1), mRNA.	Mme-M200016244	ILMN_2640752	0	0
75704	Ces1h	-0.099	0.081	-0.031	0	0	0	0	0	0	XM_134476	PREDICTED: RIKEN cDNA 2310039D24 gene (2310039D24Rik), mRNA.	Mme-M400008419	ILMN_1241347	0	0
102022	Ces2a	-0.247	0.085	-0.041	0	0	0	0	0	0	NM_133960	carboxylesterase 6 (Ces6), mRNA.	Mme-M300007960	ILMN_1259503	0	0
234669	Ces2b	-0.187	0.056	-0.059	0	0	0	0	0	0	NM_198171	cDNA sequence BC015286 (BC015286), mRNA.	Mme-M400003647	ILMN_2534783	0	0
234671	Ces2c	0.044	0.004	-0.067	0	0	0	0	0	0	NM_145603	carboxylesterase 2 (Ces2), mRNA.	Mme-M300007957	ILMN_2743848	0	0
234673	Ces2e	-0.078	0.088	0.060	0	0	0	0	0	0	NM_172759	carboxylesterase 5 (Ces5), mRNA.	Mme-M300007964	ILMN_2589350	0	0
72361	Ces2g	-0.023	0.047	-0.094	0	0	0	0	0	0	NM_197999	RIKEN cDNA 2210023G05 gene (2210023G05Rik), mRNA.	Mme-M400001413	ILMN_1247906	0	0
13909	Ces3b	-0.040	0.063	-0.116	0	0	0	0	0	0	NM_144511	predicted gene, EG13909 (EG13909), mRNA.	Mme-M400007717	ILMN_2733745	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
234677	Ces4a	-0.316	0.079	0.043	0	0	0	0	0	0	NM_146213	cDNA sequence BC026374 (BC026374), mRNA.	Mme-M300007963	ILMN_2736768	0	0
67935	Ces5a	-0.152	0.054	0.017	0	0	0	0	0	0	NM_001003951	carboxylesterase 7 (Ces7), mRNA.	Mme-M200008393	ILMN_1244827	0	0
26369	Cetn1	0.053	-0.023	-0.062	0	0	0	0	0	0	NM_007593	centrin 1 (Cetn1), mRNA.	Mme-M200012454	ILMN_1241242	0	0
26370	Cetn2	0.287	0.053	0.153	0	0	0	0	0	0	NM_019405	centrin 2 (Cetn2), mRNA.	Mme-M200004962	ILMN_1220409	0	0
12626	Cetn3	0.340	-0.065	0.055	0	0	0	0	0	0	NM_007684	centrin 3 (Cetn3), mRNA.	Mme-M200003098	ILMN_2726325	0	0
207175	Cetn4	0.117	-0.043	-0.103	0	0	0	0	0	0	NM_145825	centrin 4 (Cetn4), mRNA.	Mme-M300016007	ILMN_3032453	0	0
75472	Cfap126	-0.395	-0.043	-0.086	0	0	0	0	0	0	NM_001081275	RIKEN cDNA 1700009P17 gene (1700009P17Rik), mRNA.	Mme-M200007260	ILMN_2645509	0	0
14894	Cfap20	0.141	-0.086	-0.084	0	0	0	0	0	0	NM_008187	gene trap locus 3 (Gtl3), mRNA.	Mme-M200000794	ILMN_2698259	0	0
226356	Cfap221	-0.144	0.057	-0.074	0	0	0	0	0	0	NM_001115074	gene model 101, (NCBI) (Gm101), mRNA.	Mme-M400001960	ILMN_2526513	0	0
216618	Cfap36	0.183	0.012	-0.042	0	0	0	0	0	0	NM_025740	coiled-coil domain containing 104 (Ccdc104), mRNA.	Mme-M200005739	ILMN_2643580	0	0
100048534	Cfap43	0.107	0.079	-0.017	0	0	0	0	0	0	XM_001480785	PREDICTED: similar to D19Ertd652e protein (LOC100048534), mRNA.	Mme-M400002965	ILMN_1225781	0	0
212517	Cfap44	0.161	-0.042	-0.050	0	0	0	0	0	0	XM_489567	PREDICTED: WD repeat domain 52 (Wdr52), mRNA.	Mme-M400010075	ILMN_2654501	0	0
71870	Cfap45	-0.364	-0.036	-0.123	0	0	0	0	0	0	XM_355284	PREDICTED: coiled-coil domain containing 19, transcript variant 1 (Ccdc19), mRNA.	Mme-M200014668	ILMN_2648180	0	0
212124	Cfap46	-0.123	0.073	-0.064	0	0	0	0	0	0	XM_133957	PREDICTED: RIKEN cDNA E030019B06 gene (E030019B06Rik), mRNA.	Mme-M300014879	ILMN_1225557	0	0
71860	Cfap52	-0.101	0.035	-0.045	0	0	0	0	0	0	NM_027963	WD repeat domain 16 (Wdr16), mRNA.	Mme-M200005226	ILMN_2679522	0	0
74453	Cfap53	-0.236	0.058	-0.008	0	0	0	0	0	0	NM_028948	coiled-coil domain containing 11 (Ccdc11), mRNA.	Mme-M200012075	ILMN_2778751	0	0
68625	Cfap57	-0.220	0.044	-0.047	0	0	0	0	0	0	NM_026789	RIKEN cDNA 1110020C03 gene (1110020C03Rik), mRNA.	Mme-M400006609	ILMN_2614983	0	0
76670	Cfap70	-0.431	-0.059	-0.036	0	0	0	0	0	0	XM_980494	PREDICTED: tetratricopeptide repeat domain 18 (Ttc18), mRNA.	Mme-M300012233	ILMN_1213134	0	0
544678	Cfap74	0.013	-0.068	0.080	0	0	0	0	0	0	NM_177674	RIKEN cDNA 2010015L04 gene (2010015L04Rik), mRNA.	Mme-M400013254	ILMN_3162434	0	0
66756	Cfap97	0.107	-0.247	0.017	0	0	0	0	0	0	NM_025747	RIKEN cDNA 4933411K20 gene (4933411K20Rik), mRNA.	Mme-M200009148	ILMN_2605417	0	0
12627	Cfc1	-0.298	-0.026	0.053	0	0	0	0	0	0	NM_007685	cripto, FRL-1, cryptic family 1 (Cfc1), mRNA.	Mme-M200000952	ILMN_2677580	0	0
11537	Cfd	0.499	0.606	-0.989	0	1	-1	0	1	-1	NM_013459	complement factor D (adipsin) (Cfd), mRNA.	Mme-M300002011	ILMN_2835423	1	1
23837	Cfdp1	0.195	0.172	0.086	0	0	0	0	0	0	NM_011801	craniofacial development protein 1 (Cfdp1), mRNA.	Mme-M200004106	ILMN_2619634	0	0
50702	Cfhr1	-0.377	0.069	-0.094	0	0	0	0	0	0	NM_015780	complement factor H-related 1 (Cfhr1), mRNA.	Mme-M200012271	ILMN_2881864	0	0
12630	Cfi	-0.404	-0.042	-0.085	0	0	0	0	0	0	NM_007686	complement component factor i (Cfi), mRNA.	Mme-M300005894	ILMN_2631704	0	0
12632	Cfl2	-0.069	0.138	0.043	0	0	0	0	0	0	NM_007688	cofilin 2, muscle (Cfl2), mRNA.	Mme-M200001300	ILMN_1249976	0	0
12633	Cflar	-0.173	-0.036	0.034	0	0	0	0	0	0	NM_009805	CASP8 and FADD-like apoptosis regulator (Cflar), transcript variant 2, mRNA.	Mme-M400003698	ILMN_2743945	0	0
18636	Cfp	0.511	0.273	0.253	0	0	0	0	0	0	NM_008823	complement factor properdin (Cfp), mRNA.	Mme-M400000030	ILMN_1228320	0	0
12638	Cftr	0.076	-0.080	-0.015	0	0	0	0	0	0	NM_021050	cystic fibrosis transmembrane conductance regulator homolog (Cftr), mRNA.	Mme-M400002491	ILMN_1259577	0	0
12640	Cga	2.314	-0.736	-0.397	1	-1	-1	1	-1	0	NM_009889	glycoprotein hormones, alpha subunit (Cga), mRNA.	Mme-M300006037	ILMN_2770220	1	1
106143	Cggbp1	0.296	0.002	-0.018	0	0	0	0	0	0	NM_178647	CGG triplet repeat binding protein 1 (Cggbp1), mRNA.	Mme-M400004876	ILMN_2668387	0	0
68178	Cgnl1	-0.216	-0.240	-0.185	0	0	0	0	0	0	NM_026599	cingulin-like 1 (Cgnl1), mRNA.	Mme-M400004924	ILMN_2736038	0	0
68567	Cgref1	-0.103	0.048	-0.006	0	0	0	0	0	0	XM_181420	PREDICTED: cell growth regulator with EF hand domain 1 (Cgref1), mRNA.	Mme-M200014182	ILMN_1235937	0	0
68755	Cgrrf1	0.147	-0.085	0.050	0	0	0	0	0	0	NM_026832	cell growth regulator with ring finger domain 1 (Cgrrf1), mRNA.	Mme-M400005060	ILMN_1233220	0	0
12642	Ch25h	0.130	0.428	0.250	0	1	0	0	0	0	NM_009890	cholesterol 25-hydroxylase (Ch25h), mRNA.	Mme-M200007006	ILMN_2702303	0	0
69065	Chac1	0.418	0.001	0.071	0	0	0	0	0	0	NM_026929	ChaC, cation transport regulator-like 1 (E. coli) (Chac1), mRNA.	Mme-M200007706	ILMN_2617468	0	0
68044	Chac2	-0.152	0.191	0.018	0	0	0	0	0	0	NM_026527	ChaC, cation transport regulator homolog 2 (E. coli) (Chac2), mRNA.	Mme-M200007252	ILMN_2615920	0	0
12643	Chad	0.292	0.530	0.035	0	1	0	0	0	0	NM_007689	chondroadherin (Chad), mRNA.	Mme-M200002654	ILMN_2659340	0	0
27221	Chaf1a	-0.123	0.165	-0.041	0	0	0	0	0	0	NM_013733	chromatin assembly factor 1, subunit A (p150) (Chaf1a), mRNA.	Mme-M200005623	ILMN_1257667	0	0
110749	Chaf1b	0.208	0.141	0.006	0	0	0	0	0	0	NM_028083	chromatin assembly factor 1, subunit B (p60) (Chaf1b), mRNA.	Mme-M200002257	ILMN_2664686	0	0
101994	Champ1	-0.046	-0.111	0.049	0	0	0	0	0	0	NM_181854	zinc finger protein 828 (Zfp828), mRNA.	Mme-M300018545	ILMN_2685309	0	0
12647	Chat	-0.306	0.094	0.031	0	0	0	0	0	0	NM_009891	choline acetyltransferase (Chat), mRNA.	Mme-M300003006	ILMN_2827248	0	0
66121	Chchd1	0.555	0.062	0.004	0	0	0	0	0	0	NM_025366	coiled-coil-helix-coiled-coil-helix domain containing 1 (Chchd1), mRNA.	Mme-M200006041	ILMN_1228231	0	0
103172	Chchd10	-0.418	-0.155	-0.082	0	0	0	0	0	0	NM_175329	Nur77 downstream gene 2 (Ndg2), mRNA.	Mme-M400003555	ILMN_2749037	0	0
14004	Chchd2	0.390	-0.157	-0.064	0	0	0	0	0	0	NM_024166	coiled-coil-helix-coiled-coil-helix domain containing 2 (Chchd2), mRNA.	Mme-M400011450	ILMN_2833786	0	0
66075	Chchd3	0.387	-0.044	-0.014	0	0	0	0	0	0	NM_025336	coiled-coil-helix-coiled-coil-helix domain containing 3 (Chchd3), mRNA.	Mme-M400004579	ILMN_1243188	0	0
72170	Chchd4	0.251	0.031	-0.133	0	0	0	0	0	0	NM_133928	coiled-coil-helix-coiled-coil-helix domain containing 4 (Chchd4), nuclear gene encoding mitochondrial protein, m	Mme-M400011826	ILMN_2624695	0	0
66170	Chchd5	0.057	0.095	-0.031	0	0	0	0	0	0	NM_025395	coiled-coil-helix-coiled-coil-helix domain containing 5 (Chchd5), mRNA.	Mme-M200007482	ILMN_2801540	0	0
66098	Chchd6	-0.127	-0.080	-0.212	0	0	0	0	0	0	NM_025351	coiled-coil-helix-coiled-coil-helix domain containing 6 (Chchd6), mRNA.	Mme-M300006993	ILMN_2801746	0	0
66433	Chchd7	0.158	-0.176	0.003	0	0	0	0	0	0	NM_181391	coiled-coil-helix-coiled-coil-helix domain containing 7 (Chchd7), mRNA.	Mme-M300013556	ILMN_1240104	0	0
12648	Chd1	0.221	-0.201	0.107	0	0	0	0	0	0	NM_007690	chromodomain helicase DNA binding protein 1 (Chd1), mRNA.	Mme-M200002681	ILMN_1246790	0	0
68058	Chd1l	0.225	-0.146	0.074	0	0	0	0	0	0	NM_026539	chromodomain helicase DNA binding protein 1-like (Chd1l), mRNA.	Mme-M200013597	ILMN_1216292	0	0
244059	Chd2	0.305	-0.172	0.091	0	0	0	0	0	0	NM_001081345	chromodomain helicase DNA binding protein 2 (Chd2), mRNA.	Mme-M400010495	ILMN_1227862	0	0
216848	Chd3	0.211	0.216	0.033	0	0	0	0	0	0	NM_146019	chromodomain helicase DNA binding protein 3 (Chd3), mRNA.	Mme-M200011854	ILMN_2524861	0	0
107932	Chd4	-0.012	-0.225	0.123	0	0	0	0	0	0	NM_145979	chromodomain helicase DNA binding protein 4 (Chd4), mRNA.	Mme-M200012144	ILMN_1236358	0	0
71389	Chd6	0.121	0.044	-0.064	0	0	0	0	0	0	NM_173368	chromodomain helicase DNA binding protein 6 (Chd6), mRNA.	Mme-M300010089	ILMN_1252290	0	0
320790	Chd7	0.306	-0.257	-0.292	0	0	0	0	0	0	NM_001081417	chromodomain helicase DNA binding protein 7 (Chd7), mRNA.	Mme-M300016343	ILMN_1215908	0	0
67772	Chd8	0.162	-0.083	-0.141	0	0	0	0	0	0	NM_201637	chromodomain helicase DNA binding protein 8 (Chd8), mRNA.	Mme-M300010063	ILMN_2703082	0	0
109151	Chd9	0.167	0.100	0.040	0	0	0	0	0	0	NM_177224	chromodomain helicase DNA binding protein 9 (Chd9), mRNA.	Mme-M300008721	ILMN_2600528	0	0
218865	Chdh	-0.075	-0.222	0.087	0	0	0	0	0	0	NM_172264	choline dehydrogenase (Chdh), mRNA.	Mme-M300001482	ILMN_3109728	0	0
12649	Chek1	0.036	0.060	-0.123	0	0	0	0	0	0	NM_007691	checkpoint kinase 1 homolog (S. pombe) (Chek1), mRNA.	Mme-M300008080	ILMN_3009652	0	0
50883	Chek2	0.009	0.050	0.011	0	0	0	0	0	0	NM_016681	CHK2 checkpoint homolog (S. pombe) (Chek2), mRNA.	Mme-M200013896	ILMN_2633492	0	0
27967	Cherp	0.057	0.210	0.021	0	0	0	0	0	0	NM_138585	calcium homeostasis endoplasmic reticulum protein (Cherp), mRNA.	Mme-M300000926	ILMN_2746924	0	0
231600	Chfr	0.148	0.101	-0.086	0	0	0	0	0	0	NM_172717	checkpoint with forkhead and ring finger domains (Chfr), mRNA.	Mme-M300001321	ILMN_1213971	0	0
12652	Chga	0.105	0.177	0.103	0	0	0	0	0	0	NM_007693	chromogranin A (Chga), mRNA.	Mme-M200001606	ILMN_2723763	0	0
12653	Chgb	0.912	0.313	-0.550	1	0	-1	1	0	-1	NM_007694	chromogranin B (Chgb), mRNA.	Mme-M200000516	ILMN_2679377	1	1
81600	Chia1	-0.062	-0.124	-0.284	0	0	0	0	0	0	NM_023186	chitinase, acidic (Chia), mRNA.	Mme-M300003678	ILMN_2955940	0	0
12212	Chic1	0.280	-0.149	0.063	0	0	0	0	0	0	NM_009767	cysteine-rich hydrophobic domain 1 (Chic1), mRNA.	Mme-M200013930	ILMN_2816660	0	0
74277	Chic2	-0.001	-0.292	-0.053	0	0	0	0	0	0	NM_028850	cysteine-rich hydrophobic domain 2 (Chic2), mRNA.	Mme-M400001149	ILMN_1253410	0	0
68038	Chid1	0.049	-0.101	-0.015	0	0	0	0	0	0	NM_026522	chitinase domain containing 1 (Chid1), mRNA.	Mme-M200013740	ILMN_2615322	0	0
12654	Chil1	0.118	-0.020	0.195	0	0	0	0	0	0	NM_007695	chitinase 3-like 1 (Chi3l1), mRNA.	Mme-M200001714	ILMN_2609813	0	0
12655	Chil3	0.031	0.123	0.130	0	0	0	0	0	0	NM_009892	chitinase 3-like 3 (Chi3l3), mRNA.	Mme-M300012869	ILMN_3117876	0	0
104183	Chil4	-0.106	-0.014	0.132	0	0	0	0	0	0	NM_145126	chitinase 3-like 4 (Chi3l4), mRNA.	Mme-M400008416	ILMN_2524865	0	0
229688	Chil6	0.062	-0.213	-0.025	0	0	0	0	0	0	NM_178412	cDNA sequence BC051070 (BC051070), mRNA.	Mme-M300005841	ILMN_1231143	0	0
71884	Chit1	-0.443	-0.010	-0.035	0	0	0	0	0	0	NM_027979	chitinase 1 (chitotriosidase) (Chit1), mRNA.	Mme-M200010456	ILMN_1214574	0	0
12660	Chka	-0.331	-0.339	-0.059	0	0	0	0	0	0	NM_013490	choline kinase alpha (Chka), transcript variant 1, mRNA.	Mme-M300004344	ILMN_2702540	0	0
12651	Chkb	0.102	0.122	-0.060	0	0	0	0	0	0	NM_007692	choline kinase beta (Chkb), mRNA.	Mme-M300003410	ILMN_2755021	0	0
12661	Chl1	-0.102	0.072	0.100	0	0	0	0	0	0	NM_007697	cell adhesion molecule with homology to L1CAM (Chl1), mRNA.	Mme-M300006988	ILMN_2644008	0	0
12662	Chm	-0.026	-0.165	-0.072	0	0	0	0	0	0	NM_018818	choroideremia (Chm), mRNA.	Mme-M200007148	ILMN_2460590	0	0
12663	Chml	0.063	0.080	0.026	0	0	0	0	0	0	NM_021350	choroideremia-like (Chml), mRNA.	Mme-M400011385	ILMN_2776066	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67064	Chmp1b	0.129	-0.152	0.187	0	0	0	0	0	0	NM_024190	chromatin modifying protein 1B (Chmp1b), mRNA.	Mme-M400011453	ILMN_1222607	0	0
68953	Chmp2a	0.186	0.206	-0.083	0	0	0	0	0	0	NM_026885	chromatin modifying protein 2A (Chmp2a), mRNA.	Mme-M200005913	ILMN_2801790	0	0
68942	Chmp2b	0.256	-0.059	-0.031	0	0	0	0	0	0	NM_026879	chromatin modifying protein 2B (Chmp2b), mRNA.	Mme-M200003710	ILMN_2722670	0	0
66700	Chmp3	0.184	0.059	0.099	0	0	0	0	0	0	NM_025783	vacuolar protein sorting 24 (yeast) (Vps24), mRNA.	Mme-M400004346	ILMN_2510260	0	0
75608	Chmp4b	-0.154	0.075	-0.140	0	0	0	0	0	0	NM_029362	chromatin modifying protein 4B (Chmp4b), mRNA.	Mme-M200012176	ILMN_2776764	0	0
66371	Chmp4c	0.076	-0.168	0.057	0	0	0	0	0	0	NM_025519	chromatin modifying protein 4C (Chmp4c), mRNA.	Mme-M400001019	ILMN_2601851	0	0
76959	Chmp5	0.033	-0.127	0.174	0	0	0	0	0	0	NM_029814	chromatin modifying protein 5 (Chmp5), mRNA.	Mme-M200003481	ILMN_2670352	0	0
208092	Chmp6	-0.127	-0.037	-0.094	0	0	0	0	0	0	NM_001085498	chromatin modifying protein 6 (Chmp6), mRNA.	Mme-M300004606	ILMN_1251583	0	0
105513	Chmp7	0.098	0.119	0.054	0	0	0	0	0	0	NM_134078	CHMP family, member 7 (Chmp7), mRNA.	Mme-M200002497	ILMN_2588610	0	0
108699	Chn1	0.409	0.045	-0.087	0	0	0	0	0	0	NM_175752	chimerin (chimaerin) 1 (Chn1), transcript variant 1, mRNA.	Mme-M400005523	ILMN_2618597	0	0
69993	Chn2	-0.409	0.068	0.130	0	0	0	0	0	0	NM_023543	chimerin (chimaerin) 2 (Chn2), mRNA.	Mme-M300000581	ILMN_2718189	0	0
246048	Chodl	0.221	0.177	0.012	0	0	0	0	0	0	NM_139134	chondrolectin (Chodl), mRNA.	Mme-M200015463	ILMN_1254082	0	0
66917	Chordc1	0.127	0.029	0.138	0	0	0	0	0	0	NM_025844	cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1 (Chordc1), mRNA.	Mme-M200006343	ILMN_1247694	0	0
56398	Chp1	-0.021	-0.163	0.121	0	0	0	0	0	0	NM_019769	RIKEN cDNA 1500003O03 gene (1500003O03Rik), mRNA.	Mme-M200005406	ILMN_2677056	0	0
74241	Chpf	0.175	-0.144	-0.190	0	0	0	0	0	0	NM_001001566	chondroitin polymerizing factor (Chpf), transcript variant 1, mRNA.	Mme-M200006656	ILMN_1258341	0	0
100910	Chpf2	-0.117	0.085	-0.016	0	0	0	0	0	0	NM_133913	RIKEN cDNA 2010209O12 gene (2010209O12Rik), mRNA.	Mme-M400002102	ILMN_2702868	0	0
212862	Chpt1	0.228	-0.417	-0.084	0	0	0	0	0	0	NM_144807	choline phosphotransferase 1 (Chpt1), mRNA.	Mme-M300001973	ILMN_2740149	0	0
93696	Chrac1	-0.124	0.078	-0.053	0	0	0	0	0	0	NM_053068	chromatin accessibility complex 1 (Chrac1), mRNA.	Mme-M400011757	ILMN_1237667	0	0
12667	Chrd	-0.263	-0.309	-0.220	0	0	0	0	0	0	NM_009893	chordin (Chrd), mRNA.	Mme-M300000867	ILMN_2765047	0	0
83453	Chrdl1	0.477	-0.053	0.034	0	0	0	0	0	0	NM_031258	chordin-like 1 (Chrdl1), transcript variant 2, mRNA.	Mme-M200009946	ILMN_2661755	0	0
69121	Chrdl2	0.223	-0.039	-0.036	0	0	0	0	0	0	NM_133709	chordin-like 2 (Chrdl2), mRNA.	Mme-M300007387	ILMN_2748934	0	0
12669	Chrm1	-0.160	0.065	-0.098	0	0	0	0	0	0	NM_007698	cholinergic receptor, muscarinic 1, CNS (Chrm1), transcript variant 2, mRNA.	Mme-M200014966	ILMN_2889376	0	0
243764	Chrm2	-0.178	-0.032	0.254	0	0	0	0	0	0	NM_203491	cholinergic receptor, muscarinic 2, cardiac (Chrm2), mRNA.	Mme-M300016550	ILMN_2971508	0	0
12671	Chrm3	0.053	-0.129	-0.058	0	0	0	0	0	0	NM_033269	cholinergic receptor, muscarinic 3, cardiac (Chrm3), mRNA.	Mme-M200009802	ILMN_2655907	0	0
12672	Chrm4	-0.076	0.039	-0.070	0	0	0	0	0	0	NM_007699	cholinergic receptor, muscarinic 4 (Chrm4), mRNA.	Mme-M300012701	ILMN_2748556	0	0
213788	Chrm5	-0.056	0.019	-0.010	0	0	0	0	0	0	NM_205783	cholinergic receptor, muscarinic 5 (Chrm5), mRNA.	Mme-M400012619	ILMN_2661904	0	0
11435	Chrna1	0.125	0.245	0.148	0	0	0	0	0	0	NM_007389	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle) (Chrna1), mRNA.	Mme-M200001823	ILMN_2733656	0	0
110902	Chrna2	-0.142	0.055	-0.100	0	0	0	0	0	0	NM_144803	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal) (Chrna2), mRNA.	Mme-M200015002	ILMN_2681916	0	0
110834	Chrna3	-0.174	0.011	0.056	0	0	0	0	0	0	NM_145129	cholinergic receptor, nicotinic, alpha polypeptide 3 (Chrna3), mRNA.	Mme-M200013067	ILMN_1244673	0	0
11438	Chrna4	0.082	0.238	-0.067	0	0	0	0	0	0	NM_015730	cholinergic receptor, nicotinic, alpha polypeptide 4 (Chrna4), mRNA.	Mme-M200008334	ILMN_2742576	0	0
110835	Chrna5	0.018	-0.013	-0.003	0	0	0	0	0	0	NM_176844	cholinergic receptor, nicotinic, alpha polypeptide 5 (Chrna5), mRNA.	Mme-M200008636	ILMN_2735905	0	0
11440	Chrna6	-0.017	0.101	-0.077	0	0	0	0	0	0	NM_021369	cholinergic receptor, nicotinic, alpha polypeptide 6 (Chrna6), mRNA.	Mme-M200015958	ILMN_2732438	0	0
11441	Chrna7	-0.269	0.041	-0.044	0	0	0	0	0	0	NM_007390	cholinergic receptor, nicotinic, alpha polypeptide 7 (Chrna7), mRNA.	Mme-M400001290	ILMN_1246234	0	0
231252	Chrna9	0.032	-0.036	-0.009	0	0	0	0	0	0	NM_001081104	cholinergic receptor, nicotinic, alpha polypeptide 9 (Chrna9), mRNA.	Mme-M200010104	ILMN_2717580	0	0
11443	Chrnb1	0.001	0.061	-0.069	0	0	0	0	0	0	NM_009601	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle) (Chrnb1), mRNA.	Mme-M200015722	ILMN_2685921	0	0
11444	Chrnb2	-0.404	0.234	-0.109	0	0	0	0	0	0	NM_009602	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal) (Chrnb2), mRNA.	Mme-M300005861	ILMN_2865297	0	0
108043	Chrnb3	-0.200	-0.018	-0.083	0	0	0	0	0	0	NM_027454	cholinergic receptor, nicotinic, beta polypeptide 3 (Chrnb3), transcript variant 2, mRNA.	Mme-M200008774	ILMN_3163270	0	0
108015	Chrnb4	-0.625	0.050	0.007	0	0	0	0	0	0	NM_148944	cholinergic receptor, nicotinic, beta polypeptide 4 (Chrnb4), mRNA.	Mme-M300009768	ILMN_2650936	0	0
11447	Chrnd	0.013	0.032	0.081	0	0	0	0	0	0	NM_021600	cholinergic receptor, nicotinic, delta polypeptide (Chrnd), mRNA.	Mme-M300005003	ILMN_1229136	0	0
11448	Chrne	-0.062	-0.011	-0.059	0	0	0	0	0	0	NM_009603	cholinergic receptor, nicotinic, epsilon polypeptide (Chrne), mRNA.	Mme-M200002071	ILMN_2706326	0	0
11449	Chrng	0.013	-0.010	0.048	0	0	0	0	0	0	NM_009604	cholinergic receptor, nicotinic, gamma polypeptide (Chrng), mRNA.	Mme-M200001064	ILMN_2707570	0	0
76969	Chst1	0.293	-0.120	-0.041	0	0	0	0	0	0	NM_023850	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 (Chst1), mRNA.	Mme-M200008003	ILMN_1255385	0	0
98388	Chst10	0.076	0.008	-0.024	0	0	0	0	0	0	NM_145142	carbohydrate sulfotransferase 10 (Chst10), mRNA.	Mme-M400011887	ILMN_2595863	0	0
58250	Chst11	0.154	0.098	-0.178	0	0	0	0	0	0	NM_021439	carbohydrate sulfotransferase 11 (Chst11), mRNA.	Mme-M200013775	ILMN_1223070	0	0
59031	Chst12	-0.023	0.339	-0.121	0	0	0	0	0	0	NM_021528	carbohydrate sulfotransferase 12 (Chst12), mRNA.	Mme-M400001915	ILMN_2710205	0	0
71797	Chst13	-0.015	-0.128	-0.036	0	0	0	0	0	0	XM_978459	PREDICTED: carbohydrate (chondroitin 4) sulfotransferase 13 (Chst13), mRNA.	Mme-M400005576	ILMN_1255412	0	0
72136	Chst14	-0.059	0.034	0.009	0	0	0	0	0	0	NM_028117	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 14 (Chst14), mRNA.	Mme-M200009360	ILMN_2981665	0	0
77590	Chst15	0.162	-0.083	-0.116	0	0	0	0	0	0	NM_029935	RIKEN cDNA 4631426J05 gene (4631426J05Rik), mRNA.	Mme-M400011692	ILMN_1239627	0	0
54371	Chst2	-0.106	0.102	0.105	0	0	0	0	0	0	NM_018763	carbohydrate sulfotransferase 2 (Chst2), mRNA.	Mme-M200003216	ILMN_2687165	0	0
53374	Chst3	0.034	-0.135	-0.014	0	0	0	0	0	0	NM_016803	carbohydrate (chondroitin 6/keratan) sulfotransferase 3 (Chst3), mRNA.	Mme-M200003154	ILMN_2864170	0	0
26887	Chst4	0.045	-0.063	0.053	0	0	0	0	0	0	NM_011998	carbohydrate (chondroitin 6/keratan) sulfotransferase 4 (Chst4), mRNA.	Mme-M300010155	ILMN_2774681	0	0
56773	Chst5	-0.210	0.053	0.149	0	0	0	0	0	0	NM_019950	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5 (Chst5), mRNA.	Mme-M200005165	ILMN_2665754	0	0
60322	Chst7	-0.338	-0.044	0.077	0	0	0	0	0	0	NM_021715	carbohydrate (N-acetylglucosamino) sulfotransferase 7 (Chst7), mRNA.	Mme-M200014132	ILMN_1216374	0	0
68947	Chst8	0.448	0.084	-0.227	0	0	0	0	0	0	NM_175140	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8 (Chst8), mRNA.	Mme-M200006459	ILMN_2643049	0	0
71367	Chst9	-0.197	0.135	-0.039	0	0	0	0	0	0	NM_199055	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9 (Chst9), mRNA.	Mme-M200010383	ILMN_1250946	0	0
269941	Chsy1	-0.029	-0.105	0.184	0	0	0	0	0	0	NM_001081163	carbohydrate (chondroitin) synthase 1 (Chsy1), mRNA.	Mme-M300008360	ILMN_1222315	0	0
214901	Chtf18	0.236	0.060	-0.096	0	0	0	0	0	0	NM_145409	CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae) (Chtf18), mRNA.	Mme-M300001770	ILMN_1232175	0	0
214987	Chtf8	0.161	0.101	-0.090	0	0	0	0	0	0	NM_145412	RIKEN cDNA 5830457O10 gene (5830457O10Rik), mRNA.	Mme-M200006064	ILMN_1249269	0	0
66511	Chtop	0.090	-0.130	0.098	0	0	0	0	0	0	NM_023215	RIKEN cDNA 2500003M10 gene (2500003M10Rik), mRNA.	Mme-M200009730	ILMN_2531572	0	0
12675	Chuk	0.222	-0.041	0.143	0	0	0	0	0	0	NM_007700	conserved helix-loop-helix ubiquitous kinase (Chuk), mRNA.	Mme-M200001548	ILMN_2656282	0	0
211151	Churc1	0.240	-0.012	0.131	0	0	0	0	0	0	NM_206534	churchill domain containing 1 (Churc1), mRNA.	Mme-M400001552	ILMN_2797689	0	0
26371	Ciao1	0.101	0.102	-0.034	0	0	0	0	0	0	NM_025296	cytosolic iron-sulfur protein assembly 1 homolog (S. cerevisiae) (Ciao1), mRNA.	Mme-M200014205	ILMN_1218843	0	0
109006	Ciapin1	-0.129	0.241	-0.100	0	0	0	0	0	0	NM_134141	cytokine induced apoptosis inhibitor 1 (Ciapin1), mRNA.	Mme-M300007896	ILMN_2674095	0	0
229599	Ciart	0.077	0.364	-0.293	0	0	0	0	0	0	NM_001033302	gene model 129, (NCBI) (Gm129), mRNA.	Mme-M400002151	ILMN_3029489	0	0
23991	Cib1	0.091	-0.019	-0.083	0	0	0	0	0	0	NM_011870	calcium and integrin binding 1 (calmyrin) (Cib1), mRNA.	Mme-M200006902	ILMN_2621847	0	0
56506	Cib2	0.157	-0.052	0.119	0	0	0	0	0	0	NM_019686	calcium and integrin binding family member 2 (Cib2), mRNA.	Mme-M200013916	ILMN_2744587	0	0
234421	Cib3	-0.040	-0.171	-0.037	0	0	0	0	0	0	XM_356089	PREDICTED: calcium and integrin binding family member 3, transcript variant 1 (Cib3), mRNA.	Mme-M300009468	ILMN_2730100	0	0
73259	Cib4	-0.068	0.000	0.032	0	0	0	0	0	0	XM_131990	PREDICTED: RIKEN cDNA 1700041E20 gene (1700041E20Rik), mRNA.	Mme-M200010596	ILMN_2612108	0	0
71722	Cic	0.189	0.029	0.004	0	0	0	0	0	0	NM_001110131	capicua homolog (Drosophila) (Cic), transcript variant 2, mRNA.	Mme-M200006185	ILMN_1216970	0	0
12683	Cidea	0.073	-0.403	-0.443	0	0	-1	0	0	-1	NM_007702	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A (Cidea), mRNA.	Mme-M200000166	ILMN_1215446	0	1
12684	Cideb	-0.159	-0.065	0.067	0	0	0	0	0	0	NM_009894	cell death-inducing DNA fragmentation factor, alpha subunit-like effector B (Cideb), mRNA.	Mme-M200016225	ILMN_3160626	0	0
14311	Cidec	-0.101	-0.112	-0.144	0	0	0	0	0	0	NM_178373	cell death-inducing DFFA-like effector c (Cidec), mRNA.	Mme-M300007107	ILMN_1222679	0	0
12265	Ciita	-0.273	0.690	0.242	0	1	0	0	1	0	NM_007575	class II transactivator (Ciita), mRNA.	Mme-M300003320	ILMN_2678211	1	0
214425	Cilp	0.551	0.058	-0.023	0	0	0	0	0	0	NM_173385	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase (Cilp), mRNA.	Mme-M300013601	ILMN_2634430	0	0
68709	Cilp2	0.282	0.159	0.008	0	0	0	0	0	0	NM_026818	cartilage intermediate layer protein 2 (Cilp2), mRNA.	Mme-M400002837	ILMN_2963720	0	0
67236	Cinp	-0.083	-0.112	-0.078	0	0	0	0	0	0	NM_026048	RIKEN cDNA 2810452K22 gene (2810452K22Rik), mRNA.	Mme-M300002662	ILMN_2992403	0	0
217732	Cipc	0.097	0.002	-0.017	0	0	0	0	0	0	NM_173735	RIKEN cDNA 2310044G17 gene (2310044G17Rik), mRNA.	Mme-M400012269	ILMN_2689138	0	0
66935	Cir1	-0.205	0.152	-0.182	0	0	0	0	0	0	NM_025854	RIKEN cDNA 1700023B02 gene (1700023B02Rik), mRNA.	Mme-M300013357	ILMN_3103784	0	0
12696	Cirbp	0.074	-0.048	-0.105	0	0	0	0	0	0	NM_007705	cold inducible RNA binding protein (Cirbp), mRNA.	Mme-M300016167	ILMN_2761594	0	0
21771	Cirh1a	0.290	0.158	0.034	0	0	0	0	0	0	NM_011574	cirrhosis, autosomal recessive 1A (human) (Cirh1a), mRNA.	Mme-M300013174	ILMN_2724322	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
52637	Cisd1	-0.071	-0.066	0.130	0	0	0	0	0	0	NM_134007	CDGSH iron sulfur domain 1 (Cisd1), mRNA.	Mme-M200006286	ILMN_2706205	0	0
67006	Cisd2	0.219	-0.019	0.045	0	0	0	0	0	0	NM_025902	CDGSH iron sulfur domain 2 (Cisd2), mRNA.	Mme-M200011782	ILMN_2610719	0	0
12700	Cish	0.267	-0.027	-0.104	0	0	0	0	0	0	NM_009895	cytokine inducible SH2-containing protein (Cish), mRNA.	Mme-M200001826	ILMN_2718330	0	0
12704	Cit	0.082	0.146	0.346	0	0	1	0	0	0	NM_007708	citron (Cit), mRNA.	Mme-M200002701	ILMN_1246130	0	0
12705	Cited1	0.055	0.019	-0.052	0	0	0	0	0	0	NM_007709	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1 (Cited1), mRNA.	Mme-M200000898	ILMN_1213474	0	0
17684	Cited2	0.152	-0.229	-0.086	0	0	0	0	0	0	NM_010828	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (Cited2), mRNA.	Mme-M300012438	ILMN_2905866	0	0
56222	Cited4	-0.278	-0.338	-0.080	0	0	0	0	0	0	NM_019563	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 (Cited4), mRNA.	Mme-M400011317	ILMN_2998934	0	0
68379	Ciz1	-0.089	0.043	0.071	0	0	0	0	0	0	NM_028412	CDKN1A interacting zinc finger protein 1 (Ciz1), mRNA.	Mme-M200011660	ILMN_2692421	0	0
80986	Ckap2	0.245	0.171	0.152	0	0	0	0	0	0	NM_001004140	cytoskeleton associated protein 2 (Ckap2), mRNA.	Mme-M400002048	ILMN_2687628	0	0
70466	Ckap2l	0.316	0.008	0.084	0	0	0	0	0	0	NM_181589	cytoskeleton associated protein 2-like (Ckap2l), mRNA.	Mme-M200014321	ILMN_1231885	0	0
216197	Ckap4	0.233	-0.069	-0.006	0	0	0	0	0	0	NM_175451	cytoskeleton-associated protein 4 (Ckap4), mRNA.	Mme-M300017714	ILMN_1239088	0	0
75786	Ckap5	-0.200	0.039	-0.073	0	0	0	0	0	0	NM_029437	cytoskeleton associated protein 5 (Ckap5), mRNA.	Mme-M300005536	ILMN_2694659	0	0
12709	Ckb	-0.164	-0.006	0.043	0	0	0	0	0	0	NM_021273	creatine kinase, brain (Ckb), mRNA.	Mme-M400011377	ILMN_1224754	0	0
75458	Cklf	-0.223	-0.042	0.158	0	0	0	0	0	0	NM_001037841	chemokine-like factor (Cklf), transcript variant 4, mRNA.	Mme-M400004795	ILMN_3149944	0	0
12715	Ckm	2.383	0.038	-0.760	1	0	-1	1	0	-1	NM_007710	creatine kinase, muscle (Ckm), mRNA.	Mme-M200000890	ILMN_2608804	1	1
12716	Ckmt1	-0.151	-0.087	-0.091	0	0	0	0	0	0	NM_009897	creatine kinase, mitochondrial 1, ubiquitous (Ckmt1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000013	ILMN_2773537	0	0
76722	Ckmt2	2.752	0.108	-0.598	1	0	-1	1	0	-1	NM_198415	creatine kinase, mitochondrial 2 (Ckmt2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002865	ILMN_2698052	1	1
54124	Cks1b	0.192	-0.128	0.059	0	0	0	0	0	0	NM_016904	CDC28 protein kinase 1b (Cks1b), mRNA.	Mme-M200001162	ILMN_1233989	0	0
624855	Cks1brt	0.189	0.034	-0.024	0	0	0	0	0	0	NM_001037922	predicted gene, EG624855 (EG624855), mRNA.	Mme-M400007939	ILMN_2916239	0	0
66197	Cks2	0.396	0.048	-0.004	0	0	0	0	0	0	NM_025415	CDC28 protein kinase regulatory subunit 2 (Cks2), mRNA.	Mme-M300009738	ILMN_2768325	0	0
76707	Clasp1	-0.167	-0.118	0.022	0	0	0	0	0	0	NM_029709	CLIP associating protein 1 (Clasp1), transcript variant 3, mRNA.	Mme-M300005067	ILMN_1247054	0	0
76499	Clasp2	-0.328	-0.061	0.090	0	0	0	0	0	0	NM_029633	CLIP associating protein 2 (Clasp2), transcript variant 1, mRNA.	Mme-M400009656	ILMN_2608475	0	0
53609	Clasrp	0.204	-0.188	0.198	0	0	0	0	0	0	NM_016680	splicing factor, arginine/serine-rich 16 (suppressor-of-white-apricot homolog, Drosophila) (Sfrs16), transcript va	Mme-M300000269	ILMN_1249654	0	0
23844	Clca1	-0.171	-0.069	0.096	0	0	0	0	0	0	NM_017474	chloride channel calcium activated 3 (Clca3), mRNA.	Mme-M200002395	ILMN_2690676	0	0
229933	Clca2	0.125	0.120	0.085	0	0	0	0	0	0	NM_178697	chloride channel calcium activated 5 (Clca5), mRNA.	Mme-M300010664	ILMN_1223362	0	0
12722	Clca3a1	-0.248	0.087	-0.018	0	0	0	0	0	0	NM_009899	chloride channel calcium activated 1 (Clca1), mRNA.	Mme-M400005382	ILMN_2731377	0	0
80797	Clca3a2	0.033	0.006	0.069	0	0	0	0	0	0	NM_030601	chloride channel calcium activated 2 (Clca2), mRNA.	Mme-M400011704	ILMN_2761361	0	0
229927	Clca3b	-0.072	0.005	-0.028	0	0	0	0	0	0	NM_139148	chloride channel calcium activated 4 (Clca4), mRNA.	Mme-M400001973	ILMN_1257159	0	0
99663	Clca4a	0.013	-0.036	0.038	0	0	0	0	0	0	NM_207208	chloride channel calcium activated 6 (Clca6), mRNA.	Mme-M400001075	ILMN_2742695	0	0
229725	Clcc1	-0.213	-0.054	-0.016	0	0	0	0	0	0	NM_145543	chloride channel CLIC-like 1 (Clcc1), mRNA.	Mme-M200013297	ILMN_1239653	0	0
56708	Clcf1	-0.325	0.176	-0.069	0	0	0	0	0	0	NM_019952	cardiotrophin-like cytokine factor 1 (Clcf1), mRNA.	Mme-M200007230	ILMN_1257971	0	0
12723	Clcn1	0.270	0.084	-0.008	0	0	0	0	0	0	NM_013491	chloride channel 1 (Clcn1), mRNA.	Mme-M300006915	ILMN_1232468	0	0
12724	Clcn2	0.025	-0.038	-0.010	0	0	0	0	0	0	NM_009900	chloride channel 2 (Clcn2), mRNA.	Mme-M200011840	ILMN_1256594	0	0
12725	Clcn3	0.101	-0.102	-0.152	0	0	0	0	0	0	NM_173876	chloride channel 3 (Clcn3), transcript variant c, mRNA.	Mme-M200006191	ILMN_1220272	0	0
12727	Clcn4-2	-0.146	0.006	-0.029	0	0	0	0	0	0	NM_011334	chloride channel 4-2 (Clcn4-2), mRNA.	Mme-M200012246	ILMN_1255684	0	0
12728	Clcn5	-0.204	-0.086	0.086	0	0	0	0	0	0	NM_016691	chloride channel 5 (Clcn5), mRNA.	Mme-M200008665	ILMN_2610928	0	0
26372	Clcn6	-0.051	0.176	0.052	0	0	0	0	0	0	NM_011929	chloride channel 6 (Clcn6), mRNA.	Mme-M300006428	ILMN_2668171	0	0
26373	Clcn7	0.006	0.035	-0.062	0	0	0	0	0	0	NM_011930	chloride channel 7 (Clcn7), mRNA.	Mme-M200012784	ILMN_2621921	0	0
12733	Clcnka	-0.034	0.061	-0.053	0	0	0	0	0	0	NM_024412	chloride channel Ka (Clcnka), mRNA.	Mme-M400001590	ILMN_1250227	0	0
56365	Clcnkb	-0.148	-0.070	-0.036	0	0	0	0	0	0	NM_019701	chloride channel Kb (Clcnkb), mRNA.	Mme-M400000123	ILMN_2757283	0	0
12737	Cldn1	-0.206	0.100	-0.017	0	0	0	0	0	0	NM_016674	claudin 1 (Cldn1), mRNA.	Mme-M200007395	ILMN_2870295	0	0
58187	Cldn10	0.729	-0.161	-0.375	1	0	-1	0	0	0	NM_021386	claudin 10 (Cldn10), transcript variant 2, mRNA.	Mme-M200012513	ILMN_2515816	0	0
18417	Cldn11	-0.144	-0.029	0.117	0	0	0	0	0	0	NM_008770	claudin 11 (Cldn11), mRNA.	Mme-M200001736	ILMN_1246139	0	0
64945	Cldn12	-0.252	0.076	-0.014	0	0	0	0	0	0	NM_022890	claudin 12 (Cldn12), mRNA.	Mme-M300017675	ILMN_1242248	0	0
57255	Cldn13	0.094	-0.043	-0.083	0	0	0	0	0	0	NM_020504	claudin 13 (Cldn13), mRNA.	Mme-M200015751	ILMN_1245234	0	0
56173	Cldn14	-0.316	-0.003	-0.039	0	0	0	0	0	0	NM_019500	claudin 14 (Cldn14), mRNA.	Mme-M200005208	ILMN_1234745	0	0
60363	Cldn15	-0.012	0.082	0.082	0	0	0	0	0	0	NM_021719	claudin 15 (Cldn15), mRNA.	Mme-M200015814	ILMN_2793817	0	0
114141	Cldn16	-0.163	-0.026	-0.063	0	0	0	0	0	0	NM_053241	claudin 16 (Cldn16), mRNA.	Mme-M200016183	ILMN_2954714	0	0
239931	Cldn17	-0.081	0.018	0.033	0	0	0	0	0	0	NM_181490	claudin 17 (Cldn17), mRNA.	Mme-M400005303	ILMN_1218734	0	0
56492	Cldn18	-0.274	0.056	0.030	0	0	0	0	0	0	NM_019815	claudin 18 (Cldn18), mRNA.	Mme-M300008270	ILMN_1241689	0	0
242653	Cldn19	-0.315	0.058	0.033	0	0	0	0	0	0	NM_153105	claudin 19 (Cldn19), transcript variant 2, mRNA.	Mme-M400012188	ILMN_2634169	0	0
12738	Cldn2	-0.174	-0.105	-0.320	0	0	-1	0	0	0	NM_016675	claudin 2 (Cldn2), mRNA.	Mme-M200008867	ILMN_1255479	0	0
75677	Cldn22	-0.113	-0.116	0.014	0	0	0	0	0	0	NM_029383	claudin 22 (Cldn22), mRNA.	Mme-M200015412	ILMN_2772273	0	0
71908	Cldn23	-0.144	-0.072	-0.120	0	0	0	0	0	0	NM_027998	claudin 23 (Cldn23), mRNA.	Mme-M400005365	ILMN_2758545	0	0
12739	Cldn3	0.699	-0.281	-0.286	1	0	0	0	0	0	NM_009902	claudin 3 (Cldn3), mRNA.	Mme-M200006230	ILMN_2634167	0	0
12740	Cldn4	-0.259	-0.022	-0.076	0	0	0	0	0	0	NM_009903	claudin 4 (Cldn4), mRNA.	Mme-M400003310	ILMN_1223949	0	0
12741	Cldn5	0.134	-0.209	-0.008	0	0	0	0	0	0	NM_013805	claudin 5 (Cldn5), mRNA.	Mme-M300013147	ILMN_1241293	0	0
54419	Cldn6	-0.046	0.101	-0.151	0	0	0	0	0	0	NM_018777	claudin 6 (Cldn6), mRNA.	Mme-M200015720	ILMN_2941790	0	0
53624	Cldn7	0.332	-0.216	0.066	0	0	0	0	0	0	NM_016887	claudin 7 (Cldn7), mRNA.	Mme-M300001692	ILMN_2595477	0	0
54420	Cldn8	0.186	-0.038	-0.049	0	0	0	0	0	0	NM_018778	claudin 8 (Cldn8), mRNA.	Mme-M300021215	ILMN_2623145	0	0
56863	Cldn9	0.289	-0.049	-0.103	0	0	0	0	0	0	NM_020293	claudin 9 (Cldn9), mRNA.	Mme-M200008616	ILMN_2607331	0	0
224250	Cldnd1	0.011	0.022	0.149	0	0	0	0	0	0	NM_171826	claudin domain containing 1 (Cldnd1), mRNA.	Mme-M300003481	ILMN_2684563	0	0
74276	Cldnd2	0.106	0.049	0.079	0	0	0	0	0	0	NM_028849	claudin domain containing 2 (Cldnd2), mRNA.	Mme-M200010712	ILMN_2736714	0	0
17312	Clec10a	0.126	0.124	0.126	0	0	0	0	0	0	NM_010796	macrophage galactose N-acetyl-galactosamine specific lectin 1 (Mgl1), mRNA.	Mme-M300000055	ILMN_1249486	0	0
20256	Clec11a	0.823	0.006	-0.163	1	0	0	0	0	0	NM_009131	C-type lectin domain family 11, member a (Clec11a), mRNA.	Mme-M200003890	ILMN_2718204	0	0
232413	Clec12a	0.199	0.055	0.050	0	0	0	0	0	0	NM_177686	C-type lectin domain family 12, member a (Clec12a), mRNA.	Mme-M400004328	ILMN_1230533	0	0
66864	Clec14a	0.271	-0.032	0.008	0	0	0	0	0	0	NM_025809	C-type lectin domain family 14, member a (Clec14a), mRNA.	Mme-M400003092	ILMN_1256550	0	0
74374	Clec16a	-0.087	0.186	-0.170	0	0	0	0	0	0	NM_177562	C-type lectin domain family 16, member A (Clec16a), mRNA.	Mme-M300011315	ILMN_2850057	0	0
243653	Clec1a	-0.038	0.062	-0.069	0	0	0	0	0	0	NM_175526	C-type lectin domain family 1, member a (Clec1a), mRNA.	Mme-M300008585	ILMN_2732090	0	0
56760	Clec1b	0.132	-0.079	-0.098	0	0	0	0	0	0	NM_019985	C-type lectin domain family 1, member b (Clec1b), mRNA.	Mme-M200006987	ILMN_2749280	0	0
93694	Clec2d	0.473	0.782	0.175	0	1	0	0	1	0	NM_053109	C-type lectin domain family 2, member d (Clec2d), mRNA.	Mme-M400001227	ILMN_2603647	1	0
232409	Clec2e	-0.312	0.127	-0.041	0	0	0	0	0	0	NM_153506	C-type lectin domain family 2, member e (Clec2e), mRNA.	Mme-M300007039	ILMN_2624092	0	0
70809	Clec2g	-0.085	0.019	0.104	0	0	0	0	0	0	NM_027562	C-type lectin domain family 2, member g (Clec2g), mRNA.	Mme-M400000011	ILMN_2792036	0	0
94071	Clec2h	-0.352	0.013	-0.008	0	0	0	0	0	0	NM_053165	C-type lectin domain family 2, member h (Clec2h), mRNA.	Mme-M200012847	ILMN_1234807	0	0
93675	Clec2i	-0.213	0.157	0.052	0	0	0	0	0	0	NM_020257	C-type lectin domain family 2, member i (Clec2i), mRNA.	Mme-M400011356	ILMN_1252488	0	0
403395	Clec3a	-0.011	0.040	0.015	0	0	0	0	0	0	NM_001007223	C-type lectin domain family 3, member a (Clec3a), mRNA.	Mme-M400000163	ILMN_2922596	0	0
21922	Clec3b	0.211	-0.197	0.032	0	0	0	0	0	0	NM_011606	C-type lectin domain family 3, member b (Clec3b), mRNA.	Mme-M300004765	ILMN_2434661	0	0
269799	Clec4a1	-0.089	0.386	0.165	0	0	0	0	0	0	NM_199311	C-type lectin domain family 4, member a1 (Clec4a1), mRNA.	Mme-M400003493	ILMN_1230708	0	0
26888	Clec4a2	-0.139	-0.091	-0.055	0	0	0	0	0	0	NM_011999	C-type lectin domain family 4, member a2 (Clec4a2), mRNA.	Mme-M400009455	ILMN_2739466	0	0
73149	Clec4a3	0.105	0.433	0.265	0	1	0	0	0	0	NM_153197	C-type lectin domain family 4, member a3 (Clec4a3), mRNA.	Mme-M200005175	ILMN_3161652	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
474145	Clec4a4	0.081	0.101	0.085	0	0	0	0	0	0	NM_001005860	C-type lectin domain family 4, member a4 (Clec4a4), mRNA.	Mme-M400006901	ILMN_3161114	0	0
69810	Clec4b1	0.142	0.133	0.156	0	0	0	0	0	0	NM_027218	C-type lectin domain family 4, member b1 (Clec4b1), mRNA.	Mme-M400001226	ILMN_2959372	0	0
17474	Clec4d	0.174	0.271	0.157	0	0	0	0	0	0	NM_010819	C-type lectin domain family 4, member d (Clec4d), mRNA.	Mme-M200005029	ILMN_2705628	0	0
56619	Clec4e	0.098	0.295	0.179	0	0	0	0	0	0	NM_019948	C-type lectin domain family 4, member e (Clec4e), mRNA.	Mme-M300007029	ILMN_1215209	0	0
51811	Clec4f	-0.205	-0.075	0.088	0	0	0	0	0	0	NM_016751	C-type lectin domain family 4, member f (Clec4f), mRNA.	Mme-M200001195	ILMN_2876653	0	0
75863	Clec4g	-0.115	0.031	0.026	0	0	0	0	0	0	NM_029465	C-type lectin domain family 4, member g (Clec4g), mRNA.	Mme-M300017664	ILMN_1234165	0	0
56620	Clec4n	0.208	0.311	0.013	0	0	0	0	0	0	NM_020001	C-type lectin domain family 4, member n (Clec4n), mRNA.	Mme-M200008880	ILMN_2993314	0	0
23845	Clec5a	0.251	0.105	-0.075	0	0	0	0	0	0	NM_021364	C-type lectin domain family 5, member a (Clec5a), transcript variant 2, mRNA.	Mme-M200008629	ILMN_2608719	0	0
56644	Clec7a	0.162	0.344	0.539	0	0	1	0	0	1	NM_020008	C-type lectin domain family 7, member a (Clec7a), mRNA.	Mme-M400001228	ILMN_1239843	1	0
232414	Clec9a	-0.155	0.314	0.105	0	0	0	0	0	0	NM_172732	C-type lectin domain family 9, member a (Clec9a), mRNA.	Mme-M400009458	ILMN_1239591	0	0
12745	Clgn	-0.164	-0.140	0.002	0	0	0	0	0	0	NM_009904	calmegin (Clgn), mRNA.	Mme-M300000283	ILMN_2917723	0	0
73324	Clhc1	-0.442	-0.004	0.020	0	0	0	0	0	0	XM_901828	PREDICTED: RIKEN cDNA 1700034F02 gene, transcript variant 3 (1700034F02Rik), mRNA.	Mme-M200008768	ILMN_2605342	0	0
114584	Clic1	0.210	0.196	0.062	0	0	0	0	0	0	NM_033444	chloride intracellular channel 1 (Clic1), mRNA.	Mme-M200006521	ILMN_2596611	0	0
69454	Clic3	0.213	0.025	-0.130	0	0	0	0	0	0	NM_027085	chloride intracellular channel 3 (Clic3), mRNA.	Mme-M200014046	ILMN_2650667	0	0
29876	Clic4	0.358	0.156	0.341	0	0	1	0	0	0	NM_013885	chloride intracellular channel 4 (mitochondrial) (Clic4), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004381	ILMN_2599018	0	0
224796	Clic5	-0.169	0.081	-0.005	0	0	0	0	0	0	NM_172621	chloride intracellular channel 5 (Clic5), mRNA.	Mme-M300003835	ILMN_2677634	0	0
209195	Clic6	0.206	-0.203	-0.638	0	0	-1	0	0	-1	NM_172469	chloride intracellular channel 6 (Clic6), mRNA.	Mme-M300003597	ILMN_2667635	0	1
216705	Clint1	0.079	-0.044	-0.064	0	0	0	0	0	0	NM_001045520	clathrin interactor 1 (Clint1), mRNA.	Mme-M400000122	ILMN_1235782	0	0
56430	Clip1	0.247	-0.088	0.063	0	0	0	0	0	0	NM_019765	CAP-GLY domain containing linker protein 1 (Clip1), mRNA.	Mme-M300020291	ILMN_2920759	0	0
269713	Clip2	-0.210	0.041	-0.108	0	0	0	0	0	0	NM_009990	CAP-GLY domain containing linker protein 2 (Clip2), transcript variant 1, mRNA.	Mme-M400009679	ILMN_2698400	0	0
76686	Clip3	-0.170	0.106	0.007	0	0	0	0	0	0	NM_001081114	CAP-GLY domain containing linker protein 3 (Clip3), mRNA.	Mme-M200013760	ILMN_1222626	0	0
78785	Clip4	0.139	-0.043	0.416	0	0	1	0	0	1	NM_030179	CAP-GLY domain containing linker protein family, member 4 (Clip4), mRNA.	Mme-M200009663	ILMN_2606470	1	0
12747	Clk1	0.247	-0.072	-0.021	0	0	0	0	0	0	NM_009905	CDC-like kinase 1 (Clk1), transcript variant 2, mRNA.	Mme-M200000689	ILMN_2767905	0	0
12748	Clk2	0.080	-0.136	0.142	0	0	0	0	0	0	NM_007712	CDC-like kinase 2 (Clk2), mRNA.	Mme-M400010751	ILMN_1237842	0	0
102414	Clk3	0.144	0.040	0.068	0	0	0	0	0	0	NM_007713	CDC-like kinase 3 (Clk3), mRNA.	Mme-M200009541	ILMN_2801404	0	0
12750	Clk4	0.045	0.141	0.321	0	0	1	0	0	0	NM_007714	CDC like kinase 4 (Clk4), mRNA.	Mme-M200002797	ILMN_2745251	0	0
94040	Clmn	0.024	0.033	-0.078	0	0	0	0	0	0	NM_053155	calmin (Clmn), transcript variant 1, mRNA.	Mme-M200016007	ILMN_2591370	0	0
71566	Clmp	0.320	-0.059	0.076	0	0	0	0	0	0	NM_133733	RIKEN cDNA 9030425E11 gene (9030425E11Rik), mRNA.	Mme-M300008031	ILMN_2724194	0	0
12752	Cln3	0.024	-0.083	-0.088	0	0	0	0	0	0	NM_009907	ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease) (Cln3), mRNA.	Mme-M200000044	ILMN_1214952	0	0
211286	Cln5	0.127	-0.076	0.196	0	0	0	0	0	0	NM_001033242	ceroid-lipofuscinosis, neuronal 5 (Cln5), mRNA.	Mme-M300003104	ILMN_2639291	0	0
76524	Cln6	-0.110	0.176	-0.029	0	0	0	0	0	0	NM_001033175	ceroid-lipofuscinosis, neuronal 6 (Cln6), mRNA.	Mme-M400001443	ILMN_2946119	0	0
26889	Cln8	-0.233	0.059	-0.159	0	0	0	0	0	0	NM_012000	ceroid-lipofuscinosis, neuronal 8 (Cln8), mRNA.	Mme-M200004162	ILMN_1246305	0	0
27278	Clnk	-0.205	-0.123	-0.079	0	0	0	0	0	0	NM_013748	cytokine-dependent hematopoietic cell linker (Clnk), mRNA.	Mme-M300012095	ILMN_2699273	0	0
12729	Clns1a	0.313	0.167	-0.182	0	0	0	0	0	0	NM_023671	chloride channel, nucleotide-sensitive, 1A (Clns1a), mRNA.	Mme-M300004640	ILMN_2649083	0	0
12753	Clock	0.108	-0.191	0.118	0	0	0	0	0	0	NM_007715	circadian locomoter output cycles kaput (Clock), mRNA.	Mme-M200001394	ILMN_2600964	0	0
98985	Clp1	0.054	-0.034	0.059	0	0	0	0	0	0	NM_133840	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. cerevisiae) (Clp1), mRNA.	Mme-M200004165	ILMN_2620844	0	0
20480	Clpb	0.293	0.010	0.017	0	0	0	0	0	0	NM_009191	ClpB caseinolytic peptidase B homolog (E. coli) (Clpb), mRNA.	Mme-M200001543	ILMN_2681446	0	0
53895	Clpp	0.180	0.035	-0.079	0	0	0	0	0	0	NM_017393	caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli) (Clpp), mRNA.	Mme-M200003365	ILMN_2982890	0	0
109791	Clps	-0.104	-0.041	-0.028	0	0	0	0	0	0	NM_025469	colipase, pancreatic (Clps), mRNA.	Mme-M200004071	ILMN_1246265	0	0
328788	Clpsl2	-0.312	-0.004	-0.016	0	0	0	0	0	0	NM_001034871	gene model 749, (NCBI) (Gm749), mRNA.	Mme-M300004003	ILMN_2869966	0	0
56457	Clptm1	-0.064	0.152	0.099	0	0	0	0	0	0	NM_019649	cleft lip and palate associated transmembrane protein 1 (Clptm1), mRNA.	Mme-M300000355	ILMN_2617425	0	0
218335	Clptm1l	0.315	-0.101	-0.097	0	0	0	0	0	0	NM_146047	CLPTM1-like (Clptm1l), mRNA.	Mme-M300002854	ILMN_2681221	0	0
270166	Clpx	0.202	-0.123	0.116	0	0	0	0	0	0	NM_001044389	caseinolytic peptidase X (E.coli) (Clpx), transcript variant 2, mRNA.	Mme-M200006831	ILMN_2613869	0	0
229320	Clrn1	-0.160	0.091	-0.130	0	0	0	0	0	0	NM_153386	clarin 1 (Clrn1), transcript variant 3, mRNA.	Mme-M300014907	ILMN_3136064	0	0
212070	Clrn3	-0.084	-0.049	0.019	0	0	0	0	0	0	NM_178669	clarin 3 (Clrn3), mRNA.	Mme-M300021529	ILMN_2606288	0	0
269582	Clspn	0.176	0.288	0.213	0	0	0	0	0	0	NM_175554	claspin homolog (Xenopus laevis) (Clspn), mRNA.	Mme-M300013722	ILMN_2858359	0	0
64085	Clstn2	-0.132	0.050	-0.030	0	0	0	0	0	0	NM_022319	calsyntenin 2 (Clstn2), mRNA.	Mme-M300008261	ILMN_1221423	0	0
232370	Clstn3	0.146	0.029	-0.123	0	0	0	0	0	0	NM_153508	calsyntenin 3 (Clstn3), mRNA.	Mme-M400012195	ILMN_2827217	0	0
12757	Clta	0.007	-0.181	-0.052	0	0	0	0	0	0	NM_001080386	clathrin, light polypeptide (Lca) (Clta), transcript variant 4, mRNA.	Mme-M200002287	ILMN_3106203	0	0
74325	Cltb	-0.032	0.175	-0.031	0	0	0	0	0	0	NM_028870	clathrin, light polypeptide (Lcb) (Cltb), mRNA.	Mme-M300018394	ILMN_2791059	0	0
67300	Cltc	-0.223	-0.132	0.038	0	0	0	0	0	0	NM_001003908	clathrin, heavy polypeptide (Hc) (Cltc), mRNA.	Mme-M400006467	ILMN_2456776	0	0
12759	Clu	0.052	0.055	-0.036	0	0	0	0	0	0	NM_013492	clusterin (Clu), mRNA.	Mme-M200012637	ILMN_2727153	0	0
76779	Cluap1	0.143	0.043	-0.015	0	0	0	0	0	0	NM_029738	clusterin associated protein 1 (Cluap1), mRNA.	Mme-M300001268	ILMN_1218814	0	0
74148	Cluh	-0.063	0.107	-0.030	0	0	0	0	0	0	NM_001081158	RIKEN cDNA 1300001I01 gene (1300001I01Rik), mRNA.	Mme-M200013305	ILMN_1217040	0	0
74438	Clvs1	-0.045	0.141	0.097	0	0	0	0	0	0	NM_028940	retinaldehyde binding protein 1-like 1 (Rlbp1l1), mRNA.	Mme-M200012615	ILMN_1238740	0	0
215890	Clvs2	0.162	-0.023	0.044	0	0	0	0	0	0	NM_175448	retinaldehyde binding protein 1-like 2 (Rlbp1l2), mRNA.	Mme-M300001829	ILMN_2603071	0	0
17228	Cma1	-0.023	0.237	-0.074	0	0	0	0	0	0	NM_010780	chymase 1, mast cell (Cma1), mRNA.	Mme-M300003152	ILMN_1225727	0	0
12763	Cmah	-0.245	0.103	0.057	0	0	0	0	0	0	NM_007717	cytidine monophospho-N-acetylneuraminic acid hydroxylase (Cmah), transcript variant 1, mRNA.	Mme-M200002709	ILMN_2606825	0	0
12764	Cmas	0.041	-0.155	0.098	0	0	0	0	0	0	NM_009908	cytidine monophospho-N-acetylneuraminic acid synthetase (Cmas), mRNA.	Mme-M200001463	ILMN_2683128	0	0
69574	Cmbl	0.020	-0.191	-0.057	0	0	0	0	0	0	NM_181588	carboxymethylenebutenolidase-like (Pseudomonas) (Cmbl), mRNA.	Mme-M300003159	ILMN_2713673	0	0
67899	Cmc1	0.138	-0.045	0.053	0	0	0	0	0	0	NM_026442	RIKEN cDNA 2010110K16 gene (2010110K16Rik), mRNA.	Mme-M300011995	ILMN_2756628	0	0
66531	Cmc2	0.354	-0.042	0.164	0	0	0	0	0	0	NM_026844	RIKEN cDNA 2310061C15 gene (2310061C15Rik), mRNA.	Mme-M200001556	ILMN_2743660	0	0
74440	Cmip	-0.412	-0.044	-0.203	0	0	0	0	0	0	XM_001004724	PREDICTED: RIKEN cDNA 4933407C03 gene, transcript variant 6 (4933407C03Rik), mRNA.	Mme-M400014716	ILMN_2624451	0	0
14747	Cmklr1	0.327	0.070	-0.015	0	0	0	0	0	0	NM_008153	chemokine-like receptor 1 (Cmklr1), mRNA.	Mme-M200002209	ILMN_2774056	0	0
66116	Cml1	0.021	-0.140	-0.141	0	0	0	0	0	0	NM_023160	camello-like 1 (Cml1), mRNA.	Mme-M400005766	ILMN_2739027	0	0
93674	Cml3	-0.196	0.084	0.076	0	0	0	0	0	0	NM_053097	camello-like 3 (Cml3), transcript variant 2, mRNA.	Mme-M400011762	ILMN_2735046	0	0
69049	Cml5	-0.132	-0.008	0.014	0	0	0	0	0	0	NM_023493	camello-like 5 (Cml5), mRNA.	Mme-M200014467	ILMN_2659237	0	0
66588	Cmpk1	0.145	-0.057	-0.098	0	0	0	0	0	0	NM_025647	cytidine monophosphate (UMP-CMP) kinase 1 (Cmpk1), mRNA.	Mme-M200006649	ILMN_2840818	0	0
22169	Cmpk2	0.323	0.152	0.226	0	0	0	0	0	0	NM_020557	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (Cmpk2), nuclear gene encoding mitochondrial pr	Mme-M300002295	ILMN_1240864	0	0
66497	Cmss1	0.137	0.058	0.032	0	0	0	0	0	0	NM_025599	RIKEN cDNA 2610528E23 gene (2610528E23Rik), mRNA.	Mme-M200014601	ILMN_1233531	0	0
73381	Cmtm2a	-0.037	0.004	0.164	0	0	0	0	0	0	NM_027022	CKLF-like MARVEL transmembrane domain containing 2A (Cmtm2a), mRNA.	Mme-M400009587	ILMN_1214978	0	0
75502	Cmtm2b	0.056	-0.035	-0.059	0	0	0	0	0	0	NM_028524	CKLF-like MARVEL transmembrane domain containing 2B (Cmtm2b), mRNA.	Mme-M200015444	ILMN_2663294	0	0
68119	Cmtm3	0.138	0.126	0.103	0	0	0	0	0	0	NM_024217	CKLF-like MARVEL transmembrane domain containing 3 (Cmtm3), mRNA.	Mme-M200006589	ILMN_2679037	0	0
97487	Cmtm4	0.241	-0.240	0.040	0	0	0	0	0	0	NM_153582	CKLF-like MARVEL transmembrane domain containing 4 (Cmtm4), mRNA.	Mme-M300022198	ILMN_2759114	0	0
67272	Cmtm5	-0.147	0.152	0.229	0	0	0	0	0	0	NM_026066	CKLF-like MARVEL transmembrane domain containing 5 (Cmtm5), mRNA.	Mme-M200013670	ILMN_1231274	0	0
67213	Cmtm6	-0.135	0.044	0.059	0	0	0	0	0	0	NM_026036	CKLF-like MARVEL transmembrane domain containing 6 (Cmtm6), mRNA.	Mme-M200006199	ILMN_1226069	0	0
102545	Cmtm7	0.389	0.284	0.147	0	0	0	0	0	0	NM_133978	CKLF-like MARVEL transmembrane domain containing 7 (Cmtm7), mRNA.	Mme-M200007777	ILMN_2648409	0	0
70031	Cmtm8	-0.067	-0.256	-0.200	0	0	0	0	0	0	NM_027294	CKLF-like MARVEL transmembrane domain containing 8 (Cmtm8), mRNA.	Mme-M200004853	ILMN_1249046	0	0
74157	Cmtr1	0.160	0.049	0.035	0	0	0	0	0	0	NM_028791	RIKEN cDNA 1300018I05 gene (1300018I05Rik), mRNA.	Mme-M200007534	ILMN_2681984	0	0
234728	Cmtr2	0.021	-0.038	0.015	0	0	0	0	0	0	NM_146215	cDNA sequence BC025546 (BC025546), mRNA.	Mme-M300017347	ILMN_2720763	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70873	Cnbd2	0.050	0.037	-0.131	0	0	0	0	0	0	NM_027585	RIKEN cDNA 4921517L17 gene (4921517L17Rik), mRNA.	Mme-M200015217	ILMN_2730831	0	0
12785	Cnbp	0.365	-0.040	-0.012	0	0	0	0	0	0	NM_001109746	cellular nucleic acid binding protein (Cnbp), transcript variant 3, mRNA.	Mme-M200002527	ILMN_2663780	0	0
338403	Cndp1	-0.365	0.082	0.027	0	0	0	0	0	0	NM_177450	carnosine dipeptidase 1 (metallopeptidase M20 family) (Cndp1), mRNA.	Mme-M400005420	ILMN_3003575	0	0
66054	Cndp2	0.094	0.083	-0.129	0	0	0	0	0	0	NM_023149	CNDP dipeptidase 2 (metallopeptidase M20 family) (Cndp2), mRNA.	Mme-M400000766	ILMN_1215733	0	0
382030	Cnep1r1	0.229	0.051	-0.034	0	0	0	0	0	0	NM_029074	transmembrane protein 188 (Tmem188), mRNA.	Mme-M200006535	ILMN_1253375	0	0
72383	Cnfn	-0.333	0.012	0.003	0	0	0	0	0	0	NM_001081375	cornifelin (Cnfn), mRNA.	Mme-M400008358	ILMN_1219178	0	0
12788	Cnga1	-0.579	0.095	0.067	0	0	0	0	0	0	NM_007723	cyclic nucleotide gated channel alpha 1 (Cnga1), mRNA.	Mme-M400014189	ILMN_2445012	0	0
12789	Cnga2	-0.153	-0.385	0.061	0	0	0	0	0	0	NM_007724	cyclic nucleotide gated channel alpha 2 (Cnga2), mRNA.	Mme-M200002146	ILMN_2685553	0	0
12790	Cnga3	-0.149	0.096	-0.043	0	0	0	0	0	0	NM_009918	cyclic nucleotide gated channel alpha 3 (Cnga3), mRNA.	Mme-M300004944	ILMN_1237058	0	0
233649	Cnga4	-0.259	-0.444	-0.038	0	-1	0	0	0	0	NM_001033317	cyclic nucleotide gated channel alpha 4 (Cnga4), mRNA.	Mme-M400001320	ILMN_2875896	0	0
333329	Cngb1	-0.088	-0.505	-0.058	0	-1	0	0	0	0	XM_001476198	PREDICTED: cyclic nucleotide gated channel beta 1 (Cngb1), mRNA.	Mme-M300007901	ILMN_1234944	0	0
30952	Cngb3	0.020	-0.070	-0.014	0	0	0	0	0	0	NM_013927	cyclic nucleotide gated channel beta 3 (Cngb3), mRNA.	Mme-M400005526	ILMN_2722268	0	0
12793	Cnih1	0.173	0.157	-0.074	0	0	0	0	0	0	NM_009919	cornichon homolog (Drosophila) (Cnih), mRNA.	Mme-M200001259	ILMN_2838859	0	0
12794	Cnih2	0.373	-0.123	-0.092	0	0	0	0	0	0	NM_009920	cornichon homolog 2 (Drosophila) (Cnih2), mRNA.	Mme-M200001199	ILMN_1252776	0	0
72978	Cnih3	0.173	0.088	0.013	0	0	0	0	0	0	NM_028408	cornichon homolog 3 (Drosophila) (Cnih3), mRNA.	Mme-M200015434	ILMN_2809998	0	0
98417	Cnih4	0.395	0.179	0.421	0	0	1	0	0	1	NM_030131	cornichon homolog 4 (Drosophila) (Cnih4), mRNA.	Mme-M200009614	ILMN_2788629	1	0
194231	Cnksr1	0.167	-0.185	-0.056	0	0	0	0	0	0	NM_001081047	connector enhancer of kinase suppressor of Ras 1 (Cnksr1), mRNA.	Mme-M400001123	ILMN_2723329	0	0
245684	Cnksr2	0.173	0.037	0.037	0	0	0	0	0	0	NM_177751	connector enhancer of kinase suppressor of Ras 2 (Cnksr2), mRNA.	Mme-M300004727	ILMN_1214405	0	0
215748	Cnksr3	0.044	-0.139	-0.118	0	0	0	0	0	0	NM_172546	Cnksr family member 3 (Cnksr3), mRNA.	Mme-M300001376	ILMN_2747623	0	0
12797	Cnn1	0.482	-0.035	-0.066	0	0	0	0	0	0	NM_009922	calponin 1 (Cnn1), mRNA.	Mme-M200001701	ILMN_1221148	0	0
12798	Cnn2	0.388	0.127	0.167	0	0	0	0	0	0	NM_007725	calponin 2 (Cnn2), mRNA.	Mme-M200004217	ILMN_2596369	0	0
71994	Cnn3	0.157	0.047	0.129	0	0	0	0	0	0	NM_028044	calponin 3, acidic (Cnn3), mRNA.	Mme-M200004308	ILMN_2589785	0	0
83674	Cnnm1	0.023	-0.116	-0.077	0	0	0	0	0	0	NM_031396	cyclin M1 (Cnnm1), mRNA.	Mme-M200008190	ILMN_2657394	0	0
94219	Cnnm2	0.053	-0.097	0.003	0	0	0	0	0	0	NM_001102471	cyclin M2 (Cnnm2), transcript variant 2, mRNA.	Mme-M200008087	ILMN_1226325	0	0
94218	Cnnm3	-0.391	-0.090	-0.098	0	0	0	0	0	0	NM_053186	cyclin M3 (Cnnm3), transcript variant 1, mRNA.	Mme-M200014101	ILMN_1216036	0	0
94220	Cnnm4	-0.338	0.023	-0.005	0	0	0	0	0	0	NM_033570	cyclin M4 (Cnnm4), mRNA.	Mme-M400018246	ILMN_3003069	0	0
78893	Cnot10	0.170	0.123	-0.067	0	0	0	0	0	0	NM_153585	CCR4-NOT transcription complex, subunit 10 (Cnot10), mRNA.	Mme-M300013423	ILMN_2601020	0	0
52846	Cnot11	0.077	0.063	-0.143	0	0	0	0	0	0	NM_028043	DNA segment, Chr 1, Brigham & Women's Genetics 0212 expressed (D1Bwg0212e), mRNA.	Mme-M200004911	ILMN_2890284	0	0
72068	Cnot2	-0.232	-0.110	-0.095	0	0	0	0	0	0	NM_028082	CCR4-NOT transcription complex, subunit 2 (Cnot2), transcript variant 3, mRNA.	Mme-M200004419	ILMN_1238313	0	0
232791	Cnot3	-0.169	0.155	0.067	0	0	0	0	0	0	NM_146176	CCR4-NOT transcription complex, subunit 3 (Cnot3), mRNA.	Mme-M400018309	ILMN_2626584	0	0
53621	Cnot4	-0.269	-0.178	0.226	0	0	0	0	0	0	NM_016877	CCR4-NOT transcription complex, subunit 4 (Cnot4), mRNA.	Mme-M300011769	ILMN_2657911	0	0
104625	Cnot6	0.130	-0.106	0.366	0	0	1	0	0	0	NM_212484	CCR4-NOT transcription complex, subunit 6 (Cnot6), mRNA.	Mme-M400000385	ILMN_1230976	0	0
231464	Cnot6l	0.392	0.054	-0.203	0	0	0	0	0	0	NM_144910	CCR4-NOT transcription complex, subunit 6-like (Cnot6l), transcript variant 1, mRNA.	Mme-M200005971	ILMN_2642671	0	0
18983	Cnot7	0.159	0.070	0.106	0	0	0	0	0	0	NM_011135	CCR4-NOT transcription complex, subunit 7 (Cnot7), mRNA.	Mme-M400011106	ILMN_2745540	0	0
69125	Cnot8	-0.032	0.065	0.022	0	0	0	0	0	0	NM_026949	CCR4-NOT transcription complex, subunit 8 (Cnot8), mRNA.	Mme-M200006224	ILMN_1235663	0	0
12799	Cnp	0.332	0.152	0.031	0	0	0	0	0	0	NM_009923	2',3'-cyclic nucleotide 3' phosphodiesterase (Cnp), mRNA.	Mme-M200003395	ILMN_1257097	0	0
69171	Cnppd1	0.251	-0.038	0.083	0	0	0	0	0	0	NM_026977	RIKEN cDNA 1810031K17 gene (1810031K17Rik), mRNA.	Mme-M200005876	ILMN_2592449	0	0
269637	Cnpy1	-0.085	0.054	-0.006	0	0	0	0	0	0	NM_175651	canopy 1 homolog (zebrafish) (Cnpy1), mRNA.	Mme-M400009339	ILMN_1257918	0	0
56530	Cnpy2	0.484	-0.164	-0.267	0	0	0	0	0	0	NM_019953	canopy 2 homolog (zebrafish) (Cnpy2), mRNA.	Mme-M200014060	ILMN_1242881	0	0
72029	Cnpy3	0.247	0.103	0.058	0	0	0	0	0	0	NM_028065	canopy 3 homolog (zebrafish) (Cnpy3), mRNA.	Mme-M200016374	ILMN_1244634	0	0
66455	Cnpy4	-0.152	0.009	0.109	0	0	0	0	0	0	NM_178612	canopy 4 homolog (zebrafish) (Cnpy4), mRNA.	Mme-M300010672	ILMN_2843403	0	0
12801	Cnr1	-0.040	0.092	-0.049	0	0	0	0	0	0	NM_007726	cannabinoid receptor 1 (brain) (Cnr1), mRNA.	Mme-M200002624	ILMN_2637188	0	0
12802	Cnr2	0.233	0.305	0.091	0	0	0	0	0	0	NM_009924	cannabinoid receptor 2 (macrophage) (Cnr2), mRNA.	Mme-M200000545	ILMN_2794526	0	0
226744	Cnst	0.021	0.130	-0.005	0	0	0	0	0	0	NM_146105	RIKEN cDNA 9630058J23 gene (9630058J23Rik), mRNA.	Mme-M300011861	ILMN_1213026	0	0
68107	Cntd1	0.100	0.069	0.030	0	0	0	0	0	0	NM_026562	cyclin N-terminal domain containing 1 (Cntd1), mRNA.	Mme-M200012736	ILMN_3154335	0	0
12803	Cntf	0.206	-0.165	-0.022	0	0	0	0	0	0	NM_170786	ciliary neurotrophic factor (Cntf), mRNA.	Mme-M200013217	ILMN_2602921	0	0
12804	Cntfr	-0.233	-0.262	-0.123	0	0	0	0	0	0	NM_016673	ciliary neurotrophic factor receptor (Cntfr), mRNA.	Mme-M200006945	ILMN_1226232	0	0
338349	Cntln	-0.246	-0.199	0.237	0	0	0	0	0	0	NM_175275	centlein, centrosomal protein (Cntln), transcript variant 1, mRNA.	Mme-M300020673	ILMN_3148902	0	0
21367	Cntn2	-0.398	-0.194	-0.314	0	0	-1	0	0	0	NM_177129	contactin 2 (Cntn2), mRNA.	Mme-M400004317	ILMN_2672943	0	0
18488	Cntn3	-0.145	0.059	0.167	0	0	0	0	0	0	NM_008779	contactin 3 (Cntn3), mRNA.	Mme-M400001219	ILMN_2722192	0	0
269784	Cntn4	-0.068	0.074	-0.097	0	0	0	0	0	0	NM_173004	contactin 4 (Cntn4), transcript variant 2, mRNA.	Mme-M400008625	ILMN_2968538	0	0
244682	Cntn5	-0.385	0.004	-0.053	0	0	0	0	0	0	XM_905108	PREDICTED: contactin 5, transcript variant 2 (Cntn5), mRNA.	Mme-M400002261	ILMN_1257409	0	0
53870	Cntn6	-0.070	0.090	0.037	0	0	0	0	0	0	NM_017383	contactin 6 (Cntn6), mRNA.	Mme-M200008329	ILMN_2613068	0	0
53321	Cntnap1	-0.031	0.041	0.082	0	0	0	0	0	0	NM_016782	contactin associated protein-like 1 (Cntnap1), mRNA.	Mme-M400000266	ILMN_2657583	0	0
66797	Cntnap2	-0.401	-0.134	-0.080	0	0	0	0	0	0	NM_001004357	contactin associated protein-like 2 (Cntnap2), transcript variant 1, mRNA.	Mme-M400004408	ILMN_2763156	0	0
238680	Cntnap3	-0.050	0.143	-0.026	0	0	0	0	0	0	NM_001081129	contactin associated protein-like 3 (Cntnap3), mRNA.	Mme-M400001530	ILMN_1219653	0	0
170571	Cntnap4	-0.107	-0.071	-0.063	0	0	0	0	0	0	NM_130457	contactin associated protein-like 4 (Cntnap4), mRNA.	Mme-M200008900	ILMN_2774764	0	0
636808	Cntnap5a	0.068	0.020	-0.079	0	0	0	0	0	0	NM_001077425	contactin associated protein-like 5A (Cntnap5a), mRNA.	Mme-M400002092	ILMN_2984802	0	0
241175	Cntnap5b	-0.424	0.084	-0.011	0	0	0	0	0	0	NM_172851	RIKEN cDNA C230078M14Rik gene (C230078M14Rik), mRNA.	Mme-M300012837	ILMN_2650925	0	0
620292	Cntnap5c	0.030	0.035	0.085	0	0	0	0	0	0	NM_001081653	contactin associated protein-like 5C (Cntnap5c), mRNA.	Mme-M400010143	ILMN_2849215	0	0
216846	Cntrob	-0.087	-0.080	-0.056	0	0	0	0	0	0	NM_172560	centrobin, centrosomal BRCA2 interacting protein (Cntrob), mRNA.	Mme-M300008441	ILMN_2700768	0	0
52469	Coa3	0.155	0.090	-0.046	0	0	0	0	0	0	NM_026618	coiled-coil domain containing 56 (Ccdc56), mRNA.	Mme-M200000016	ILMN_2765287	0	0
68185	Coa4	0.209	-0.135	0.010	0	0	0	0	0	0	NM_183270	coiled-coil-helix-coiled-coil-helix domain containing 8 (Chchd8), mRNA.	Mme-M200014185	ILMN_2817151	0	0
76178	Coa5	0.272	-0.106	-0.019	0	0	0	0	0	0	NM_198006	RIKEN cDNA 6330578E17 gene (6330578E17Rik), mRNA.	Mme-M400007119	ILMN_2650106	0	0
67892	Coa6	0.097	-0.256	0.035	0	0	0	0	0	0	NM_174987	RIKEN cDNA 1810063B05 gene (1810063B05Rik), mRNA.	Mme-M300022285	ILMN_1235281	0	0
69893	Coa7	-0.021	-0.158	0.149	0	0	0	0	0	0	NM_027250	RIKEN cDNA 2010305A19 gene (2010305A19Rik), mRNA.	Mme-M200005960	ILMN_2869524	0	0
71743	Coasy	0.223	0.135	-0.056	0	0	0	0	0	0	NM_027896	Coenzyme A synthase (Coasy), mRNA.	Mme-M300000230	ILMN_2741236	0	0
12808	Cobl	0.340	-0.041	-0.054	0	0	0	0	0	0	NM_172496	cordon-bleu (Cobl), mRNA.	Mme-M300002037	ILMN_2951682	0	0
12810	Coch	0.294	0.016	0.133	0	0	0	0	0	0	NM_007728	coagulation factor C homolog (Limulus polyphemus) (Coch), mRNA.	Mme-M400000430	ILMN_2919201	0	0
16834	Cog1	0.031	-0.096	-0.186	0	0	0	0	0	0	NM_013581	component of oligomeric golgi complex 1 (Cog1), mRNA.	Mme-M200012092	ILMN_2850849	0	0
76332	Cog2	-0.178	-0.002	0.005	0	0	0	0	0	0	NM_029746	component of oligomeric golgi complex 2 (Cog2), mRNA.	Mme-M200002829	ILMN_1237463	0	0
338337	Cog3	0.145	-0.248	0.055	0	0	0	0	0	0	NM_177381	component of oligomeric golgi complex 3 (Cog3), mRNA.	Mme-M300009602	ILMN_2777217	0	0
102339	Cog4	-0.028	0.044	-0.088	0	0	0	0	0	0	NM_133973	component of oligomeric golgi complex 4 (Cog4), mRNA.	Mme-M200009103	ILMN_1228129	0	0
67542	Cog6	0.413	0.091	0.080	0	0	0	0	0	0	NM_026225	component of oligomeric golgi complex 6 (Cog6), mRNA.	Mme-M200014006	ILMN_2974945	0	0
233824	Cog7	0.175	0.092	-0.173	0	0	0	0	0	0	NM_001033318	component of oligomeric golgi complex 7 (Cog7), mRNA.	Mme-M300009626	ILMN_2638977	0	0
97484	Cog8	0.194	-0.037	-0.298	0	0	0	0	0	0	NM_139229	component of oligomeric golgi complex 8 (Cog8), mRNA.	Mme-M200007640	ILMN_2595383	0	0
12812	Coil	-0.108	-0.109	-0.080	0	0	0	0	0	0	NM_016706	coilin (Coil), mRNA.	Mme-M200006625	ILMN_2746210	0	0
12813	Col10a1	-0.035	-0.059	-0.097	0	0	0	0	0	0	NM_009925	collagen, type X, alpha 1 (Col10a1), mRNA.	Mme-M200001989	ILMN_2675388	0	0
12814	Col11a1	0.518	0.104	-0.057	0	0	0	0	0	0	NM_007729	collagen, type XI, alpha 1 (Col11a1), mRNA.	Mme-M300005873	ILMN_2606039	0	0
12815	Col11a2	0.248	0.050	-0.022	0	0	0	0	0	0	NM_009926	collagen, type XI, alpha 2 (Col11a2), mRNA.	Mme-M300004066	ILMN_2865074	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12816	Col12a1	0.448	-0.111	0.233	0	0	0	0	0	0	NM_007730	collagen, type XII, alpha 1 (Col12a1), mRNA.	Mme-M300016470	ILMN_2862538	0	0
12817	Col13a1	0.191	-0.059	0.046	0	0	0	0	0	0	NM_007731	collagen, type XIII, alpha 1 (Col13a1), mRNA.	Mme-M300001993	ILMN_2774315	0	0
12818	Col14a1	0.238	-0.042	-0.061	0	0	0	0	0	0	NM_181277	collagen, type XIV, alpha 1 (Col14a1), mRNA.	Mme-M200013553	ILMN_2591027	0	0
12819	Col15a1	-0.153	0.220	-0.038	0	0	0	0	0	0	NM_009928	collagen, type XV, alpha 1 (Col15a1), mRNA.	Mme-M200001698	ILMN_1222111	0	0
107581	Col16a1	0.185	0.188	0.253	0	0	0	0	0	0	NM_028266	collagen, type XVI, alpha 1 (Col16a1), mRNA.	Mme-M200013767	ILMN_1248099	0	0
12821	Col17a1	-0.243	0.181	0.092	0	0	0	0	0	0	NM_007732	collagen, type XVII, alpha 1 (Col17a1), mRNA.	Mme-M200000444	ILMN_2879995	0	0
12822	Col18a1	0.065	0.357	0.089	0	0	0	0	0	0	NM_009929	collagen, type XVIII, alpha 1 (Col18a1), transcript variant 2, mRNA.	Mme-M200012500	ILMN_1225839	0	0
12823	Col19a1	-0.104	0.053	0.060	0	0	0	0	0	0	NM_007733	collagen, type XIX, alpha 1 (Col19a1), mRNA.	Mme-M300004956	ILMN_1220347	0	0
12842	Col1a1	0.829	0.549	-0.159	1	1	0	0	0	0	NM_007742	collagen, type I, alpha 1 (Col1a1), mRNA.	Mme-M200004448	ILMN_2687872	0	0
12843	Col1a2	0.564	0.071	-0.048	0	0	0	0	0	0	NM_007743	collagen, type I, alpha 2 (Col1a2), mRNA.	Mme-M200001767	ILMN_1253806	0	0
69700	Col22a1	-0.121	0.374	-0.026	0	0	0	0	0	0	XM_907370	PREDICTED: collagen, type XXII, alpha 1, transcript variant 3 (Col22a1), mRNA.	Mme-M200004860	ILMN_2707616	0	0
237759	Col23a1	-0.029	-0.161	-0.196	0	0	0	0	0	0	NM_153393	collagen, type XXIII, alpha 1 (Col23a1), mRNA.	Mme-M300010398	ILMN_1241768	0	0
71355	Col24a1	0.256	-0.220	0.268	0	0	0	0	0	0	NM_027770	collagen, type XXIV, alpha 1 (Col24a1), mRNA.	Mme-M200015099	ILMN_1231275	0	0
77018	Col25a1	-0.372	-0.070	0.127	0	0	0	0	0	0	NM_198711	collagen, type XXV, alpha 1 (Col25a1), transcript variant 2, mRNA.	Mme-M400006538	ILMN_2651754	0	0
140709	Col26a1	-0.186	0.021	0.080	0	0	0	0	0	0	NM_024474	EMI domain containing 2 (Emid2), mRNA.	Mme-M200001201	ILMN_1247358	0	0
373864	Col27a1	-0.170	0.175	0.028	0	0	0	0	0	0	NM_025685	collagen, type XXVII, alpha 1 (Col27a1), mRNA.	Mme-M400012980	ILMN_1222523	0	0
12824	Col2a1	0.090	0.368	0.100	0	0	0	0	0	0	NM_001113515	collagen, type II, alpha 1 (Col2a1), transcript variant 2, mRNA.	Mme-M200000916	ILMN_2759142	0	0
12825	Col3a1	0.742	0.175	-0.064	1	0	0	0	0	0	NM_009930	collagen, type III, alpha 1 (Col3a1), mRNA.	Mme-M300004916	ILMN_2683958	0	0
12826	Col4a1	0.146	0.004	0.109	0	0	0	0	0	0	NM_009931	collagen, type IV, alpha 1 (Col4a1), mRNA.	Mme-M300007738	ILMN_2621643	0	0
12827	Col4a2	0.259	0.163	-0.027	0	0	0	0	0	0	NM_009932	collagen, type IV, alpha 2 (Col4a2), mRNA.	Mme-M200011974	ILMN_2822579	0	0
12828	Col4a3	-0.132	-0.018	-0.140	0	0	0	0	0	0	NM_007734	collagen, type IV, alpha 3 (Col4a3), mRNA.	Mme-M200002673	ILMN_1213850	0	0
68018	Col4a3bp	-0.260	-0.278	0.109	0	0	0	0	0	0	NM_023420	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein (Col4a3bp), mRNA.	Mme-M300002881	ILMN_1215327	0	0
12829	Col4a4	-0.228	-0.056	0.079	0	0	0	0	0	0	NM_007735	collagen, type IV, alpha 4 (Col4a4), mRNA.	Mme-M300016924	ILMN_2679871	0	0
12830	Col4a5	-0.280	-0.416	0.093	0	0	0	0	0	0	NM_007736	collagen, type IV, alpha 5 (Col4a5), mRNA.	Mme-M200009824	ILMN_2437848	0	0
94216	Col4a6	-0.142	0.063	-0.043	0	0	0	0	0	0	NM_053185	collagen, type IV, alpha 6 (Col4a6), mRNA.	Mme-M300018345	ILMN_1254059	0	0
12831	Col5a1	0.464	0.082	-0.021	0	0	0	0	0	0	NM_015734	collagen, type V, alpha 1 (Col5a1), mRNA.	Mme-M300005317	ILMN_2748402	0	0
12832	Col5a2	0.271	0.209	0.086	0	0	0	0	0	0	NM_007737	collagen, type V, alpha 2 (Col5a2), mRNA.	Mme-M400014073	ILMN_1221670	0	0
53867	Col5a3	0.079	0.212	-0.015	0	0	0	0	0	0	NM_016919	collagen, type V, alpha 3 (Col5a3), mRNA.	Mme-M200006961	ILMN_2754285	0	0
12833	Col6a1	0.524	0.365	0.088	0	0	0	0	0	0	NM_009933	collagen, type VI, alpha 1 (Col6a1), mRNA.	Mme-M200000943	ILMN_1259388	0	0
12834	Col6a2	0.492	0.188	-0.043	0	0	0	0	0	0	NM_146007	collagen, type VI, alpha 2 (Col6a2), mRNA.	Mme-M400000370	ILMN_1216661	0	0
68553	Col6a4	-0.097	-0.049	0.040	0	0	0	0	0	0	NM_026763	RIKEN cDNA 1110001D15 gene (1110001D15Rik), mRNA.	Mme-M200006196	ILMN_2760531	0	0
245026	Col6a6	-0.102	-0.021	-0.058	0	0	0	0	0	0	NM_001102607	RIKEN cDNA E330026B02 gene (E330026B02Rik), transcript variant 1, mRNA.	Mme-M300014781	ILMN_1230642	0	0
12836	Col7a1	-0.229	-0.026	-0.107	0	0	0	0	0	0	NM_007738	collagen, type VII, alpha 1 (Col7a1), mRNA.	Mme-M400000848	ILMN_2651234	0	0
12837	Col8a1	0.400	-0.204	0.072	0	0	0	0	0	0	NM_007739	collagen, type VIII, alpha 1 (Col8a1), mRNA.	Mme-M400012850	ILMN_2503553	0	0
329941	Col8a2	0.467	-0.152	0.025	0	0	0	0	0	0	NM_199473	collagen, type VIII, alpha 2 (Col8a2), mRNA.	Mme-M400005422	ILMN_2839646	0	0
12839	Col9a1	0.041	-0.045	0.073	0	0	0	0	0	0	NM_007740	collagen, type IX, alpha 1 (Col9a1), mRNA.	Mme-M300004962	ILMN_2939882	0	0
12840	Col9a2	-0.058	-0.261	-0.049	0	0	0	0	0	0	NM_007741	collagen, type IX, alpha 2 (Col9a2), mRNA.	Mme-M200001266	ILMN_2945030	0	0
12841	Col9a3	-0.156	0.048	0.030	0	0	0	0	0	0	NM_009936	collagen, type IX, alpha 3 (Col9a3), mRNA.	Mme-M300005702	ILMN_2597314	0	0
239447	Colec10	-0.139	-0.003	-0.014	0	0	0	0	0	0	NM_173422	collectin sub-family member 10 (Colec10), mRNA.	Mme-M300011646	ILMN_2623644	0	0
71693	Colec11	0.109	0.005	0.041	0	0	0	0	0	0	NM_027866	collectin sub-family member 11 (Colec11), mRNA.	Mme-M400001918	ILMN_2640542	0	0
140792	Colec12	0.128	-0.239	0.035	0	0	0	0	0	0	NM_130449	collectin sub-family member 12 (Colec12), mRNA.	Mme-M300010240	ILMN_2711663	0	0
269132	Colgalt2	-0.323	0.132	-0.094	0	0	0	0	0	0	NM_177756	glycosyltransferase 25 domain containing 2 (Glt25d2), mRNA.	Mme-M300008363	ILMN_2889899	0	0
17846	Commd1	0.258	0.201	0.044	0	0	0	0	0	0	NM_144514	COMM domain containing 1 (Commd1), mRNA.	Mme-M400008745	ILMN_1231658	0	0
69456	Commd10	-0.344	0.141	-0.045	0	0	0	0	0	0	NM_178377	COMM domain containing 10 (Commd10), mRNA.	Mme-M300013841	ILMN_1214167	0	0
52245	Commd2	0.313	0.121	-0.099	0	0	0	0	0	0	NM_175095	COMM domain containing 2 (Commd2), mRNA.	Mme-M400001906	ILMN_1238741	0	0
12238	Commd3	0.016	0.025	-0.082	0	0	0	0	0	0	NM_147778	COMM domain containing 3 (Commd3), mRNA.	Mme-M400003784	ILMN_3163053	0	0
66199	Commd4	0.069	0.043	-0.084	0	0	0	0	0	0	NM_025417	COMM domain containing 4 (Commd4), mRNA.	Mme-M200013705	ILMN_2798183	0	0
66398	Commd5	0.175	0.097	-0.236	0	0	0	0	0	0	NM_025536	COMM domain containing 5 (Commd5), mRNA.	Mme-M300008877	ILMN_1214793	0	0
66200	Commd6	0.151	0.004	-0.093	0	0	0	0	0	0	NM_001033132	COMM domain containing 6 (Commd6), mRNA.	Mme-M400013019	ILMN_2993720	0	0
99311	Commd7	0.024	0.033	-0.013	0	0	0	0	0	0	NM_133850	COMM domain containing 7 (Commd7), mRNA.	Mme-M200006763	ILMN_1229682	0	0
27784	Commd8	-0.033	0.036	-0.005	0	0	0	0	0	0	NM_178599	COMM domain containing 8 (Commd8), mRNA.	Mme-M200014062	ILMN_2674548	0	0
76501	Commd9	0.157	0.027	-0.180	0	0	0	0	0	0	NM_029635	COMM domain containing 9 (Commd9), mRNA.	Mme-M300005490	ILMN_2620729	0	0
12845	Comp	0.628	0.165	0.059	0	0	0	0	0	0	NM_016685	cartilage oligomeric matrix protein (Comp), mRNA.	Mme-M400011252	ILMN_2869110	0	0
12846	Comt	0.180	0.099	-0.072	0	0	0	0	0	0	NM_001111063	catechol-O-methyltransferase (Comt), transcript variant 3, mRNA.	Mme-M200007835	ILMN_2703444	0	0
69156	Comtd1	0.038	-0.072	-0.055	0	0	0	0	0	0	NM_026965	catechol-O-methyltransferase domain containing 1 (Comtd1), mRNA.	Mme-M200003057	ILMN_2591800	0	0
12847	Copa	0.279	0.035	-0.011	0	0	0	0	0	0	NM_009938	coatomer protein complex subunit alpha (Copa), mRNA.	Mme-M200006799	ILMN_2681906	0	0
70349	Copb1	0.346	-0.127	0.014	0	0	0	0	0	0	NM_033370	coatomer protein complex, subunit beta 1 (Copb1), mRNA.	Mme-M200005506	ILMN_1254563	0	0
50797	Copb2	0.283	-0.073	0.049	0	0	0	0	0	0	NM_015827	coatomer protein complex, subunit beta 2 (beta prime) (Copb2), mRNA.	Mme-M200003671	ILMN_2753196	0	0
59042	Cope	-0.003	0.159	-0.321	0	0	-1	0	0	0	NM_021538	coatomer protein complex, subunit epsilon (Cope), mRNA.	Mme-M200006118	ILMN_2630768	0	0
54161	Copg	0.107	0.233	-0.277	0	0	0	0	0	0	NM_201244	coatomer protein complex, subunit gamma (Copg), transcript variant 2, mRNA.	Mme-M400012604	ILMN_3154007	0	0
54160	Copg2	0.212	-0.126	-0.164	0	0	0	0	0	0	NM_017478	coatomer protein complex, subunit gamma 2 (Copg2), mRNA.	Mme-M300019641	ILMN_2667618	0	0
66423	Coprs	0.006	0.042	0.048	0	0	0	0	0	0	NM_025556	RIKEN cDNA 2410022L05 gene (2410022L05Rik), mRNA.	Mme-M200006303	ILMN_1234516	0	0
12848	Cops2	0.016	-0.042	0.059	0	0	0	0	0	0	NM_009939	COP9 (constitutive photomorphogenic) homolog, subunit 2 (Arabidopsis thaliana) (Cops2), mRNA.	Mme-M200001404	ILMN_2740523	0	0
26572	Cops3	0.285	0.004	0.000	0	0	0	0	0	0	NM_011991	COP9 (constitutive photomorphogenic) homolog, subunit 3 (Arabidopsis thaliana) (Cops3), mRNA.	Mme-M200000012	ILMN_2657546	0	0
26891	Cops4	0.292	-0.102	0.045	0	0	0	0	0	0	NM_012001	COP9 (constitutive photomorphogenic) homolog, subunit 4 (Arabidopsis thaliana) (Cops4), mRNA.	Mme-M200000347	ILMN_1215493	0	0
26754	Cops5	0.065	0.125	0.096	0	0	0	0	0	0	NM_013715	COP9 (constitutive photomorphogenic) homolog, subunit 5 (Arabidopsis thaliana) (Cops5), mRNA.	Mme-M200000933	ILMN_2662124	0	0
26893	Cops6	0.180	0.187	0.093	0	0	0	0	0	0	NM_012002	COP9 (constitutive photomorphogenic) homolog, subunit 6 (Arabidopsis thaliana) (Cops6), mRNA.	Mme-M200001536	ILMN_2618793	0	0
26894	Cops7a	0.136	0.146	-0.079	0	0	0	0	0	0	NM_012003	COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana) (Cops7a), mRNA.	Mme-M300007020	ILMN_2682787	0	0
26895	Cops7b	-0.062	0.192	0.064	0	0	0	0	0	0	NM_172974	COP9 (constitutive photomorphogenic) homolog, subunit 7b (Arabidopsis thaliana) (Cops7b), mRNA.	Mme-M200003219	ILMN_2628283	0	0
108679	Cops8	0.054	0.304	-0.057	0	0	0	0	0	0	NM_133805	COP9 (constitutive photomorphogenic) homolog, subunit 8 (Arabidopsis thaliana) (Cops8), mRNA.	Mme-M300009350	ILMN_1218868	0	0
56447	Copz1	0.257	0.203	-0.094	0	0	0	0	0	0	NM_019817	coatomer protein complex, subunit zeta 1 (Copz1), mRNA.	Mme-M300010196	ILMN_2862093	0	0
56358	Copz2	0.438	-0.241	-0.267	0	0	0	0	0	0	NM_019877	coatomer protein complex, subunit zeta 2 (Copz2), mRNA.	Mme-M200004299	ILMN_2878274	0	0
210582	Coq10a	0.573	0.004	-0.062	0	0	0	0	0	0	NM_001081040	coenzyme Q10 homolog A (yeast) (Coq10a), mRNA.	Mme-M400002310	ILMN_1244527	0	0
67876	Coq10b	0.250	0.171	-0.162	0	0	0	0	0	0	NM_026424	coenzyme Q10 homolog B (S. cerevisiae) (Coq10b), transcript variant 2, mRNA.	Mme-M400011565	ILMN_3104462	0	0
71883	Coq2	0.186	-0.313	0.164	0	0	0	0	0	0	NM_027978	coenzyme Q2 homolog, prenyltransferase (yeast) (Coq2), mRNA.	Mme-M200014567	ILMN_3009260	0	0
230027	Coq3	-0.221	0.057	0.021	0	0	0	0	0	0	NM_172687	coenzyme Q3 homolog, methyltransferase (yeast) (Coq3), mRNA.	Mme-M300006015	ILMN_2973089	0	0
227683	Coq4	0.278	-0.255	0.042	0	0	0	0	0	0	NM_178693	coenzyme Q4 homolog (yeast) (Coq4), mRNA.	Mme-M300005290	ILMN_2647972	0	0
52064	Coq5	0.262	-0.271	-0.281	0	0	0	0	0	0	NM_026504	coenzyme Q5 homolog, methyltransferase (yeast) (Coq5), mRNA.	Mme-M200012083	ILMN_2808355	0	0
217707	Coq6	0.164	0.128	-0.156	0	0	0	0	0	0	NM_172582	coenzyme Q6 homolog (yeast) (Coq6), mRNA.	Mme-M300002641	ILMN_2898403	0	0
12850	Coq7	0.116	0.126	-0.126	0	0	0	0	0	0	NM_009940	demethyl-Q 7 (Coq7), mRNA.	Mme-M200003930	ILMN_2729263	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67914	Coq9	0.483	0.054	-0.117	0	0	0	0	0	0	NM_026452	coenzyme Q9 homolog (yeast) (Coq9), mRNA.	Mme-M200006290	ILMN_2774456	0	0
12721	Coro1a	-0.086	0.290	0.077	0	0	0	0	0	0	NM_009898	coronin, actin binding protein 1A (Coro1a), mRNA.	Mme-M200005501	ILMN_2787257	0	0
23789	Coro1b	0.098	-0.063	-0.059	0	0	0	0	0	0	NM_011778	coronin, actin binding protein 1B (Coro1b), mRNA.	Mme-M200006108	ILMN_2788546	0	0
23790	Coro1c	-0.033	-0.095	-0.078	0	0	0	0	0	0	NM_011779	coronin, actin binding protein 1C (Coro1c), mRNA.	Mme-M200012882	ILMN_2665387	0	0
107684	Coro2a	-0.337	0.084	-0.066	0	0	0	0	0	0	NM_178893	coronin, actin binding protein 2A (Coro2a), mRNA.	Mme-M300006050	ILMN_2598190	0	0
235431	Coro2b	-0.245	0.272	-0.098	0	0	0	0	0	0	NM_175484	coronin, actin binding protein, 2B (Coro2b), mRNA.	Mme-M300013329	ILMN_2902228	0	0
216961	Coro6	-0.118	0.080	-0.005	0	0	0	0	0	0	NM_139129	coronin, actin binding protein 6 (Coro6), transcript variant C, mRNA.	Mme-M300002422	ILMN_2710086	0	0
12854	Cort	-0.107	0.122	0.035	0	0	0	0	0	0	NM_007745	cortistatin (Cort), mRNA.	Mme-M300006401	ILMN_2955725	0	0
72042	Cotl1	-0.202	0.412	0.163	0	0	0	0	0	0	NM_028071	coactosin-like 1 (Dictyostelium) (Cotl1), mRNA.	Mme-M400001408	ILMN_2604521	0	0
70383	Cox10	-0.061	0.013	-0.068	0	0	0	0	0	0	NM_178379	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast) (Cox10), nuclear g	Mme-M300013533	ILMN_2633212	0	0
69802	Cox11	0.308	-0.173	0.142	0	0	0	0	0	0	NM_199008	COX11 homolog, cytochrome c oxidase assembly protein (yeast) (Cox11), nuclear gene encoding mitochondrial p	Mme-M200014999	ILMN_1247397	0	0
66379	Cox14	-0.046	0.046	-0.095	0	0	0	0	0	0	NM_183256	RIKEN cDNA 2310016M24 gene (2310016M24Rik), mRNA.	Mme-M300003630	ILMN_1249408	0	0
226139	Cox15	0.072	0.036	-0.034	0	0	0	0	0	0	NM_144874	COX15 homolog, cytochrome c oxidase assembly protein (yeast) (Cox15), nuclear gene encoding mitochondrial p	Mme-M300012491	ILMN_1235186	0	0
66272	Cox16	0.379	0.082	0.155	0	0	0	0	0	0	NM_025461	RIKEN cDNA 1810020G14 gene (1810020G14Rik), mRNA.	Mme-M200015938	ILMN_2597810	0	0
12856	Cox17	0.037	-0.031	-0.082	0	0	0	0	0	0	NM_001017429	cytochrome c oxidase, subunit XVII assembly protein homolog (yeast) (Cox17), mRNA.	Mme-M400003177	ILMN_3160517	0	0
231430	Cox18	0.037	-0.168	-0.159	0	0	0	0	0	0	NM_001033310	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae) (Cox18), mRNA.	Mme-M400001817	ILMN_2633039	0	0
68033	Cox19	0.392	0.059	0.044	0	0	0	0	0	0	NM_197980	COX19 cytochrome c oxidase assembly homolog (S. cerevisiae) (Cox19), mRNA.	Mme-M300016396	ILMN_1221936	0	0
66359	Cox20	0.335	0.011	0.114	0	0	0	0	0	0	NM_025511	RIKEN cDNA 2310005N03 gene (2310005N03Rik), mRNA.	Mme-M300005143	ILMN_2693258	0	0
12857	Cox4i1	0.237	-0.069	-0.060	0	0	0	0	0	0	NM_009941	cytochrome c oxidase subunit IV isoform 1 (Cox4i1), mRNA.	Mme-M200000813	ILMN_2600274	0	0
84682	Cox4i2	0.155	0.189	0.021	0	0	0	0	0	0	NM_053091	cytochrome c oxidase subunit IV isoform 2 (Cox4i2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200012742	ILMN_2612178	0	0
12858	Cox5a	0.142	-0.084	0.008	0	0	0	0	0	0	NM_007747	cytochrome c oxidase, subunit Va (Cox5a), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000005	ILMN_2682800	0	0
12859	Cox5b	0.001	-0.049	-0.115	0	0	0	0	0	0	NM_009942	cytochrome c oxidase, subunit Vb (Cox5b), mRNA.	Mme-M400007402	ILMN_1241962	0	0
12861	Cox6a1	-0.087	-0.044	-0.075	0	0	0	0	0	0	NM_007748	cytochrome c oxidase, subunit VI a, polypeptide 1 (Cox6a1), nuclear gene encoding mitochondrial protein, mRN	Mme-M200013993	ILMN_2638875	0	0
12862	Cox6a2	2.170	0.287	-0.520	1	0	-1	1	0	-1	NM_009943	cytochrome c oxidase, subunit VI a, polypeptide 2 (Cox6a2), nuclear gene encoding mitochondrial protein, mRN	Mme-M200014014	ILMN_2629581	1	1
110323	Cox6b1	-0.012	0.199	-0.162	0	0	0	0	0	0	NM_025628	cytochrome c oxidase, subunit VIb polypeptide 1 (Cox6b1), mRNA.	Mme-M200000150	ILMN_2616405	0	0
333182	Cox6b2	-0.189	0.084	0.036	0	0	0	0	0	0	NM_183405	cytochrome c oxidase subunit VIb polypeptide 2 (Cox6b2), mRNA.	Mme-M400012559	ILMN_1229627	0	0
12864	Cox6c	0.239	-0.057	0.108	0	0	0	0	0	0	NM_053071	cytochrome c oxidase, subunit VIc (Cox6c), mRNA.	Mme-M400011758	ILMN_2589039	0	0
12865	Cox7a1	1.892	0.150	-0.430	1	0	-1	1	0	-1	NM_009944	cytochrome c oxidase, subunit VIIa 1 (Cox7a1), mRNA.	Mme-M400010990	ILMN_1240857	1	1
12866	Cox7a2	0.182	0.128	0.006	0	0	0	0	0	0	NM_009945	cytochrome c oxidase, subunit VIIa 2 (Cox7a2), mRNA.	Mme-M200000818	ILMN_2733698	0	0
20463	Cox7a2l	-0.032	-0.031	-0.047	0	0	0	0	0	0	NM_009187	cytochrome c oxidase subunit VIIa polypeptide 2-like (Cox7a2l), nuclear gene encoding mitochondrial protein, m	Mme-M400000731	ILMN_2888713	0	0
66142	Cox7b	0.255	0.083	0.065	0	0	0	0	0	0	NM_025379	cytochrome c oxidase subunit VIIb (Cox7b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009381	ILMN_2671689	0	0
78174	Cox7b2	-0.134	0.007	0.003	0	0	0	0	0	0	NM_030052	cytochrome c oxidase subunit VIIb2 (Cox7b2), mRNA.	Mme-M300020129	ILMN_2634537	0	0
12867	Cox7c	0.264	0.100	-0.015	0	0	0	0	0	0	NM_007749	cytochrome c oxidase, subunit VIIc (Cox7c), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000275	ILMN_2647188	0	0
12868	Cox8a	0.094	-0.049	-0.174	0	0	0	0	0	0	NM_007750	cytochrome c oxidase, subunit VIIIa (Cox8a), mRNA.	Mme-M200003258	ILMN_2598201	0	0
12869	Cox8b	2.039	-0.439	-0.830	1	-1	-1	1	0	-1	NM_007751	cytochrome c oxidase, subunit VIIIb (Cox8b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001471	ILMN_2727520	1	1
75483	Cox8c	0.052	-0.026	0.060	0	0	0	0	0	0	NM_001039049	cytochrome c oxidase, subunit VIIIc (Cox8c), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300014394	ILMN_2718562	0	0
12870	Cp	0.438	0.097	0.208	0	0	0	0	0	0	NM_007752	ceruloplasmin (Cp), transcript variant 2, mRNA.	Mme-M300000452	ILMN_3083163	0	0
109697	Cpa1	-0.098	-0.015	-0.025	0	0	0	0	0	0	NM_025350	carboxypeptidase A1 (Cpa1), mRNA.	Mme-M200005119	ILMN_2670847	0	0
232680	Cpa2	0.155	0.172	-0.295	0	0	0	0	0	0	NM_001024698	carboxypeptidase A2, pancreatic (Cpa2), mRNA.	Mme-M400004964	ILMN_1216566	0	0
12873	Cpa3	0.007	0.102	-0.071	0	0	0	0	0	0	NM_007753	carboxypeptidase A3, mast cell (Cpa3), mRNA.	Mme-M200000410	ILMN_2991799	0	0
71791	Cpa4	-0.135	-0.004	-0.141	0	0	0	0	0	0	NM_027926	carboxypeptidase A4 (Cpa4), mRNA.	Mme-M300011925	ILMN_1242888	0	0
74649	Cpa5	-0.242	0.191	-0.020	0	0	0	0	0	0	NM_144537	carboxypeptidase A5 (Cpa5), mRNA.	Mme-M200010814	ILMN_2758840	0	0
329093	Cpa6	0.017	-0.028	0.111	0	0	0	0	0	0	NM_177834	carboxypeptidase A6 (Cpa6), mRNA.	Mme-M300013729	ILMN_2663761	0	0
76703	Cpb1	0.016	0.048	0.016	0	0	0	0	0	0	NM_029706	carboxypeptidase B1 (tissue) (Cpb1), mRNA.	Mme-M200007635	ILMN_3160208	0	0
56373	Cpb2	-0.008	0.071	0.088	0	0	0	0	0	0	NM_019775	carboxypeptidase B2 (plasma) (Cpb2), mRNA.	Mme-M200004839	ILMN_2591188	0	0
12874	Cpd	-0.115	-0.338	0.406	0	0	1	0	0	1	NM_007754	carboxypeptidase D (Cpd), mRNA.	Mme-M400019066	ILMN_1249142	1	0
12876	Cpe	0.304	0.198	-0.054	0	0	0	0	0	0	NM_013494	carboxypeptidase E (Cpe), mRNA.	Mme-M400011195	ILMN_1228232	0	0
12877	Cpeb1	-0.085	-0.129	-0.029	0	0	0	0	0	0	NM_007755	cytoplasmic polyadenylation element binding protein 1 (Cpeb1), mRNA.	Mme-M200004280	ILMN_1230062	0	0
231207	Cpeb2	-0.205	-0.298	-0.021	0	0	0	0	0	0	NM_175937	cytoplasmic polyadenylation element binding protein 2 (Cpeb2), mRNA.	Mme-M300012368	ILMN_2589667	0	0
208922	Cpeb3	0.165	-0.105	0.388	0	0	1	0	0	0	NM_198300	cytoplasmic polyadenylation element binding protein 3 (Cpeb3), mRNA.	Mme-M400002281	ILMN_2589525	0	0
67579	Cpeb4	0.128	-0.076	-0.031	0	0	0	0	0	0	NM_026252	cytoplasmic polyadenylation element binding protein 4 (Cpeb4), mRNA.	Mme-M400000377	ILMN_2807803	0	0
214642	Cped1	0.250	-0.036	0.004	0	0	0	0	0	0	NM_001081351	RIKEN cDNA A430107O13 gene (A430107O13Rik), mRNA.	Mme-M300013059	ILMN_2591599	0	0
105594	Cphx1	-0.263	-0.010	0.062	0	0	0	0	0	0	NM_175342	cytoplasmic polyadenylated homeobox (Cphx), mRNA.	Mme-M300020691	ILMN_1218639	0	0
12889	Cplx1	-0.017	-0.017	-0.005	0	0	0	0	0	0	NM_007756	complexin 1 (Cplx1), mRNA.	Mme-M200002208	ILMN_1226042	0	0
12890	Cplx2	-0.076	0.171	-0.537	0	0	-1	0	0	-1	NM_009946	complexin 2 (Cplx2), mRNA.	Mme-M300004820	ILMN_1238436	0	1
235415	Cplx3	0.116	0.136	0.061	0	0	0	0	0	0	NM_146223	complexin 3 (Cplx3), mRNA.	Mme-M300012326	ILMN_2683943	0	0
225644	Cplx4	-0.164	0.136	-0.042	0	0	0	0	0	0	NM_145493	complexin 4 (Cplx4), mRNA.	Mme-M200012222	ILMN_1247547	0	0
93721	Cpn1	-0.253	-0.039	-0.053	0	0	0	0	0	0	NM_030703	carboxypeptidase N, polypeptide 1 (Cpn1), mRNA.	Mme-M300004505	ILMN_2796199	0	0
71756	Cpn2	0.050	-0.034	-0.100	0	0	0	0	0	0	NM_027904	carboxypeptidase N, polypeptide 2 (Cpn2), mRNA.	Mme-M400000661	ILMN_3162120	0	0
266692	Cpne1	0.158	-0.018	-0.025	0	0	0	0	0	0	NM_170590	copine I (Cpne1), transcript variant 2, mRNA.	Mme-M400012207	ILMN_1223998	0	0
234577	Cpne2	-0.208	0.020	0.008	0	0	0	0	0	0	NM_153507	copine II (Cpne2), mRNA.	Mme-M300009312	ILMN_2870487	0	0
70568	Cpne3	-0.176	-0.129	-0.028	0	0	0	0	0	0	NM_027769	copine III (Cpne3), mRNA.	Mme-M300006001	ILMN_1235963	0	0
74020	Cpne4	-0.394	0.134	0.062	0	0	0	0	0	0	NM_028719	copine IV (Cpne4), mRNA.	Mme-M400009644	ILMN_2818246	0	0
240058	Cpne5	0.171	0.092	0.028	0	0	0	0	0	0	NM_153166	copine V (Cpne5), mRNA.	Mme-M300003862	ILMN_2877900	0	0
12891	Cpne6	-0.369	-0.075	-0.054	0	0	0	0	0	0	NM_009947	copine VI (Cpne6), mRNA.	Mme-M200002222	ILMN_1232850	0	0
102278	Cpne7	0.169	0.045	0.086	0	0	0	0	0	0	NM_170684	copine VII (Cpne7), mRNA.	Mme-M300009546	ILMN_1256248	0	0
66871	Cpne8	-0.331	0.077	-0.025	0	0	0	0	0	0	NM_001033851	copine VIII (Cpne8), transcript variant 2, mRNA.	Mme-M400004170	ILMN_3072337	0	0
211232	Cpne9	0.125	-0.041	-0.190	0	0	0	0	0	0	NM_170673	copine family member IX (Cpne9), mRNA.	Mme-M400001247	ILMN_1255211	0	0
12892	Cpox	0.218	-0.063	-0.070	0	0	0	0	0	0	NM_007757	coproporphyrinogen oxidase (Cpox), mRNA.	Mme-M300003479	ILMN_2972755	0	0
223978	Cpped1	0.193	-0.113	-0.106	0	0	0	0	0	0	NM_146067	RIKEN cDNA C530044N13 gene (C530044N13Rik), mRNA.	Mme-M300011207	ILMN_1255438	0	0
54381	Cpq	0.564	0.214	-0.090	0	0	0	0	0	0	NM_176073	plasma glutamate carboxypeptidase (Pgcp), transcript variant 2, mRNA.	Mme-M200003355	ILMN_2710121	0	0
227231	Cps1	-0.511	0.054	-0.040	0	0	0	0	0	0	NM_001080809	carbamoyl-phosphate synthetase 1 (Cps1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300004875	ILMN_2913078	0	0
94230	Cpsf1	0.315	0.074	0.032	0	0	0	0	0	0	NM_053193	cleavage and polyadenylation specific factor 1 (Cpsf1), mRNA.	Mme-M200014192	ILMN_3139668	0	0
51786	Cpsf2	0.001	-0.096	0.045	0	0	0	0	0	0	NM_016856	cleavage and polyadenylation specific factor 2 (Cpsf2), mRNA.	Mme-M300013358	ILMN_2636951	0	0
54451	Cpsf3	0.189	0.057	0.056	0	0	0	0	0	0	NM_018813	cleavage and polyadenylation specificity factor 3 (Cpsf3), mRNA.	Mme-M400004767	ILMN_1247493	0	0
71957	Cpsf3l	-0.003	0.171	-0.171	0	0	0	0	0	0	NM_028020	cleavage and polyadenylation specific factor 3-like (Cpsf3l), mRNA.	Mme-M300006439	ILMN_1249116	0	0
54188	Cpsf4	0.018	0.041	-0.107	0	0	0	0	0	0	NM_178576	cleavage and polyadenylation specific factor 4 (Cpsf4), mRNA.	Mme-M300006780	ILMN_2722778	0	0
52670	Cpsf4l	-0.343	-0.058	-0.019	0	0	0	0	0	0	NM_026682	cleavage and polyadenylation specific factor 4-like (Cpsf4l), transcript variant 1, mRNA.	Mme-M200012291	ILMN_2647225	0	0
432508	Cpsf6	0.165	0.082	0.121	0	0	0	0	0	0	NM_001013391	cleavage and polyadenylation specific factor 6 (Cpsf6), mRNA.	Mme-M400005214	ILMN_3117180	0	0
269061	Cpsf7	0.103	0.129	0.118	0	0	0	0	0	0	NM_172302	RIKEN cDNA 5730453I16 gene (5730453I16Rik), mRNA.	Mme-M300009564	ILMN_1220263	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
12894	Cpt1a	-0.012	-0.030	-0.042	0	0	0	0	0	0	NM_013495	carnitine palmitoyltransferase 1a, liver (Cpt1a), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003627	ILMN_2591776	0	0
12895	Cpt1b	0.938	0.110	-0.197	1	0	0	1	0	0	NM_009948	carnitine palmitoyltransferase 1b, muscle (Cpt1b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000591	ILMN_1227666	1	0
78070	Cpt1c	0.106	0.198	-0.135	0	0	0	0	0	0	NM_153679	carnitine palmitoyltransferase 1c (Cpt1c), mRNA.	Mme-M300000917	ILMN_2734560	0	0
12896	Cpt2	0.060	-0.210	-0.104	0	0	0	0	0	0	NM_009949	carnitine palmitoyltransferase 2 (Cpt2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006189	ILMN_2885532	0	0
56264	Cpxm1	0.601	0.260	0.025	0	0	0	0	0	0	NM_019696	carboxypeptidase X 1 (M14 family) (Cpxm1), mRNA.	Mme-M200004323	ILMN_2645816	0	0
55987	Cpxm2	0.581	0.066	-0.066	0	0	0	0	0	0	NM_018867	carboxypeptidase X 2 (M14 family) (Cpxm2), mRNA.	Mme-M200002904	ILMN_1259085	0	0
242939	Cpz	0.291	0.117	0.128	0	0	0	0	0	0	NM_153107	carboxypeptidase Z (Cpz), mRNA.	Mme-M300010458	ILMN_2680387	0	0
12946	Cr1l	0.209	-0.036	-0.096	0	0	0	0	0	0	NM_013499	complement component (3b/4b) receptor 1-like (Cr1l), mRNA.	Mme-M400000258	ILMN_2688631	0	0
12902	Cr2	0.031	-0.092	0.099	0	0	0	0	0	0	NM_007758	complement receptor 2 (Cr2), mRNA.	Mme-M300005207	ILMN_2833652	0	0
12903	Crabp1	-0.378	-0.309	-0.119	0	0	0	0	0	0	NM_013496	cellular retinoic acid binding protein I (Crabp1), mRNA.	Mme-M200007659	ILMN_1227671	0	0
12904	Crabp2	-0.070	-0.224	-0.020	0	0	0	0	0	0	NM_007759	cellular retinoic acid binding protein II (Crabp2), mRNA.	Mme-M200001933	ILMN_1214483	0	0
381812	Cracr2a	-0.087	0.068	-0.039	0	0	0	0	0	0	NM_001033464	EF-hand calcium binding domain 4B (Efcab4b), mRNA.	Mme-M400007375	ILMN_1240788	0	0
213573	Cracr2b	0.086	-0.320	-0.083	0	0	0	0	0	0	NM_001025103	EF-hand calcium binding domain 4A (Efcab4a), mRNA.	Mme-M300019019	ILMN_2913222	0	0
12905	Cradd	-0.011	-0.046	0.007	0	0	0	0	0	0	NM_009950	CASP2 and RIPK1 domain containing adaptor with death domain (Cradd), mRNA.	Mme-M200003506	ILMN_1212607	0	0
57354	Cramp1l	0.180	-0.165	-0.040	0	0	0	0	0	0	NM_020608	Crm, cramped-like (Drosophila) (Cramp1l), mRNA.	Mme-M300011118	ILMN_1247318	0	0
12908	Crat	0.522	-0.178	0.120	0	0	0	0	0	0	NM_007760	carnitine acetyltransferase (Crat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003880	ILMN_2771339	0	0
170788	Crb1	-0.222	0.058	-0.038	0	0	0	0	0	0	NM_133239	crumbs homolog 1 (Drosophila) (Crb1), mRNA.	Mme-M200013430	ILMN_2627090	0	0
241324	Crb2	-0.118	-0.020	-0.025	0	0	0	0	0	0	XM_140952	PREDICTED: crumbs homolog 2 (Drosophila) (Crb2), mRNA.	Mme-M300009899	ILMN_1258618	0	0
224912	Crb3	0.500	-0.106	0.102	0	0	0	0	0	0	NM_177638	crumbs homolog 3 (Drosophila) (Crb3), mRNA.	Mme-M400012423	ILMN_2755888	0	0
58799	Crbn	0.087	-0.126	0.170	0	0	0	0	0	0	NM_021449	cereblon (Crbn), transcript variant 1, mRNA.	Mme-M300000667	ILMN_1238287	0	0
12909	Crcp	-0.007	0.139	-0.050	0	0	0	0	0	0	NM_007761	calcitonin gene-related peptide-receptor component protein (Crcp), mRNA.	Mme-M200003576	ILMN_2655595	0	0
74175	Crct1	0.012	0.149	0.047	0	0	0	0	0	0	NM_028798	cysteine-rich C-terminal 1 (Crct1), mRNA.	Mme-M200007823	ILMN_2681913	0	0
12912	Creb1	0.286	0.150	-0.104	0	0	0	0	0	0	NM_001037726	cAMP responsive element binding protein 1 (Creb1), transcript variant C, mRNA.	Mme-M200006294	ILMN_1243123	0	0
12913	Creb3	0.161	0.158	-0.067	0	0	0	0	0	0	NM_013497	cAMP responsive element binding protein 3 (Creb3), mRNA.	Mme-M200003089	ILMN_1216285	0	0
26427	Creb3l1	0.562	0.101	-0.089	0	0	0	0	0	0	NM_011957	cAMP responsive element binding protein 3-like 1 (Creb3l1), mRNA.	Mme-M200002925	ILMN_2595260	0	0
208647	Creb3l2	0.237	0.106	0.023	0	0	0	0	0	0	NM_178661	cAMP responsive element binding protein 3-like 2 (Creb3l2), mRNA.	Mme-M300011687	ILMN_2599400	0	0
208677	Creb3l3	-0.442	0.018	-0.004	0	0	0	0	0	0	NM_145365	cAMP responsive element binding protein 3-like 3 (Creb3l3), mRNA.	Mme-M200011716	ILMN_2806996	0	0
78284	Creb3l4	-0.082	-0.013	0.164	0	0	0	0	0	0	NM_030080	cAMP responsive element binding protein 3-like 4 (Creb3l4), mRNA.	Mme-M200016247	ILMN_1213549	0	0
231991	Creb5	-0.051	0.116	-0.023	0	0	0	0	0	0	NM_172728	cAMP responsive element binding protein 5 (Creb5), mRNA.	Mme-M300011373	ILMN_3007758	0	0
12914	Crebbp	0.229	-0.285	0.419	0	0	1	0	0	1	NM_001025432	CREB binding protein (Crebbp), mRNA.	Mme-M400000579	ILMN_1255457	1	0
232430	Crebl2	-0.049	-0.161	-0.152	0	0	0	0	0	0	NM_177687	cAMP responsive element binding protein-like 2 (Crebl2), mRNA.	Mme-M300008367	ILMN_2632162	0	0
77128	Crebrf	-0.064	-0.202	-0.048	0	0	0	0	0	0	NM_029870	RIKEN cDNA A930001N09 gene (A930001N09Rik), mRNA.	Mme-M300001426	ILMN_2648034	0	0
233490	Crebzf	0.121	0.123	0.042	0	0	0	0	0	0	NM_145151	CREB/ATF bZIP transcription factor (Crebzf), mRNA.	Mme-M400012984	ILMN_1237142	0	0
433375	Creg1	0.147	-0.086	-0.081	0	0	0	0	0	0	NM_011804	cellular repressor of E1A-stimulated genes 1 (Creg1), mRNA.	Mme-M200000170	ILMN_1239638	0	0
263764	Creg2	0.165	-0.133	0.128	0	0	0	0	0	0	NM_170597	cellular repressor of E1A-stimulated genes 2 (Creg2), mRNA.	Mme-M300021618	ILMN_2731854	0	0
171508	Creld1	0.179	0.080	-0.115	0	0	0	0	0	0	NM_133930	cysteine-rich with EGF-like domains 1 (Creld1), mRNA.	Mme-M200013661	ILMN_1232170	0	0
76737	Creld2	0.281	0.216	0.216	0	0	0	0	0	0	NM_029720	cysteine-rich with EGF-like domains 2 (Creld2), mRNA.	Mme-M200012027	ILMN_2983948	0	0
12916	Crem	-0.192	0.186	-0.171	0	0	0	0	0	0	NM_001110855	cAMP responsive element modulator (Crem), transcript variant 11, mRNA.	Mme-M400009061	ILMN_2602899	0	0
12918	Crh	-0.116	0.014	0.040	0	0	0	0	0	0	NM_205769	corticotropin releasing hormone (Crh), mRNA.	Mme-M300020521	ILMN_1233069	0	0
12919	Crhbp	0.534	0.071	-0.372	0	0	-1	0	0	0	NM_198408	corticotropin releasing hormone binding protein (Crhbp), mRNA.	Mme-M400000498	ILMN_1231710	0	0
12921	Crhr1	-0.417	0.148	0.100	0	0	0	0	0	0	NM_007762	corticotropin releasing hormone receptor 1 (Crhr1), mRNA.	Mme-M300001706	ILMN_2668221	0	0
12922	Crhr2	0.013	0.006	-0.079	0	0	0	0	0	0	NM_009953	corticotropin releasing hormone receptor 2 (Crhr2), mRNA.	Mme-M200001804	ILMN_2721406	0	0
68337	Crip2	0.079	-0.052	0.021	0	0	0	0	0	0	NM_024223	cysteine rich protein 2 (Crip2), mRNA.	Mme-M400000130	ILMN_2710449	0	0
114570	Crip3	-0.198	-0.021	-0.042	0	0	0	0	0	0	NM_181664	cysteine-rich protein 3 (Crip3), transcript variant TLP-A, mRNA.	Mme-M200005066	ILMN_3104529	0	0
56724	Cript	0.210	0.070	0.061	0	0	0	0	0	0	NM_019936	cysteine-rich PDZ-binding protein (Cript), mRNA.	Mme-M300003943	ILMN_1223929	0	0
11571	Crisp1	-0.006	0.066	-0.103	0	0	0	0	0	0	NM_009638	cysteine-rich secretory protein 1 (Crisp1), mRNA.	Mme-M200003467	ILMN_2934792	0	0
22024	Crisp2	-0.247	0.007	-0.026	0	0	0	0	0	0	NM_009420	cysteine-rich secretory protein 2 (Crisp2), mRNA.	Mme-M200000496	ILMN_2715114	0	0
11572	Crisp3	-0.162	-0.017	0.023	0	0	0	0	0	0	NM_009639	cysteine-rich secretory protein 3 (Crisp3), mRNA.	Mme-M400000835	ILMN_2633613	0	0
78081	Crisp4	-0.128	-0.063	-0.062	0	0	0	0	0	0	NM_030033	cysteine-rich secretory protein 4 (Crisp4), mRNA.	Mme-M200016192	ILMN_1254579	0	0
83691	Crispld1	-0.174	0.052	-0.047	0	0	0	0	0	0	NM_031402	cysteine-rich secretory protein LCCL domain containing 1 (Crispld1), mRNA.	Mme-M400000852	ILMN_1230529	0	0
78892	Crispld2	-0.069	-0.140	-0.022	0	0	0	0	0	0	NM_030209	cysteine-rich secretory protein LCCL domain containing 2 (Crispld2), mRNA.	Mme-M200009154	ILMN_1257551	0	0
12928	Crk	0.061	-0.163	0.063	0	0	0	0	0	0	NM_133656	v-crk sarcoma virus CT10 oncogene homolog (avian) (Crk), mRNA.	Mme-M200004283	ILMN_2987844	0	0
12929	Crkl	-0.014	0.049	0.041	0	0	0	0	0	0	NM_007764	v-crk sarcoma virus CT10 oncogene homolog (avian)-like (Crkl), mRNA.	Mme-M200012999	ILMN_2621338	0	0
12931	Crlf1	0.009	0.179	-0.079	0	0	0	0	0	0	NM_018827	cytokine receptor-like factor 1 (Crlf1), mRNA.	Mme-M400000145	ILMN_2747811	0	0
57914	Crlf2	-0.126	0.049	0.051	0	0	0	0	0	0	NM_016715	cytokine receptor-like factor 2 (Crlf2), mRNA.	Mme-M400001560	ILMN_2514362	0	0
54394	Crlf3	0.068	0.061	0.287	0	0	0	0	0	0	NM_018776	cytokine receptor-like factor 3 (Crlf3), mRNA.	Mme-M200007455	ILMN_2706803	0	0
66586	Crls1	0.151	-0.386	0.025	0	0	0	0	0	0	NM_025646	cardiolipin synthase 1 (Crls1), transcript variant 2, mRNA.	Mme-M200007993	ILMN_1219797	0	0
12933	Crmp1	-0.048	0.252	0.155	0	0	0	0	0	0	NM_007765	collapsin response mediator protein 1 (Crmp1), mRNA.	Mme-M300006504	ILMN_1244675	0	0
66877	Crnkl1	-0.016	0.034	-0.036	0	0	0	0	0	0	NM_025820	Crn, crooked neck-like 1 (Drosophila) (Crnkl1), mRNA.	Mme-M200015001	ILMN_1260045	0	0
381457	Crnn	-0.221	-0.088	0.014	0	0	0	0	0	0	NM_001081200	cornulin (Crnn), mRNA.	Mme-M400008046	ILMN_2528652	0	0
230872	Crocc	0.244	-0.080	-0.208	0	0	0	0	0	0	NM_172122	ciliary rootlet coiled-coil, rootletin (Crocc), mRNA.	Mme-M300012905	ILMN_2616522	0	0
74114	Crot	0.013	-0.051	-0.022	0	0	0	0	0	0	NM_023733	carnitine O-octanoyltransferase (Crot), mRNA.	Mme-M200005878	ILMN_2719877	0	0
12944	Crp	-0.397	0.029	0.000	0	0	0	0	0	0	NM_007768	C-reactive protein, pentraxin-related (Crp), mRNA.	Mme-M400002077	ILMN_1247653	0	0
72832	Crtac1	-0.196	-0.073	-0.227	0	0	0	0	0	0	NM_145123	cartilage acidic protein 1 (Crtac1), mRNA.	Mme-M300013670	ILMN_2764112	0	0
54698	Crtam	-0.400	-0.030	-0.166	0	0	0	0	0	0	NM_019465	cytotoxic and regulatory T cell molecule (Crtam), mRNA.	Mme-M200013961	ILMN_1222699	0	0
56693	Crtap	0.115	-0.061	0.150	0	0	0	0	0	0	NM_019922	cartilage associated protein (Crtap), mRNA.	Mme-M200003995	ILMN_2877541	0	0
382056	Crtc1	-0.139	0.127	-0.121	0	0	0	0	0	0	NM_001004062	CREB regulated transcription coactivator 1 (Crtc1), mRNA.	Mme-M300000445	ILMN_1215149	0	0
74343	Crtc2	0.043	-0.062	0.035	0	0	0	0	0	0	NM_028881	CREB regulated transcription coactivator 2 (Crtc2), mRNA.	Mme-M300005845	ILMN_2711532	0	0
70461	Crtc3	0.039	-0.062	0.236	0	0	0	0	0	0	NM_173863	CREB regulated transcription coactivator 3 (Crtc3), mRNA.	Mme-M200015598	ILMN_1248891	0	0
12951	Crx	-0.291	0.055	0.029	0	0	0	0	0	0	NM_001113330	cone-rod homeobox containing gene (Crx), transcript variant 2, mRNA.	Mme-M200002634	ILMN_1247683	0	0
12952	Cry1	0.314	-0.040	0.082	0	0	0	0	0	0	NM_007771	cryptochrome 1 (photolyase-like) (Cry1), mRNA.	Mme-M200005258	ILMN_2618668	0	0
12953	Cry2	0.133	0.277	0.038	0	0	0	0	0	0	NM_009963	cryptochrome 2 (photolyase-like) (Cry2), transcript variant 1, mRNA.	Mme-M400010991	ILMN_2665681	0	0
12954	Cryaa	-0.054	0.015	0.049	0	0	0	0	0	0	NM_013501	crystallin, alpha A (Cryaa), mRNA.	Mme-M300003873	ILMN_2634888	0	0
12955	Cryab	0.173	-0.004	-0.036	0	0	0	0	0	0	NM_009964	crystallin, alpha B (Cryab), mRNA.	Mme-M300008052	ILMN_2840213	0	0
12957	Cryba1	-0.174	-0.081	-0.153	0	0	0	0	0	0	NM_009965	crystallin, beta A1 (Cryba1), mRNA.	Mme-M300000107	ILMN_2842725	0	0
12958	Cryba2	-0.061	-0.030	-0.158	0	0	0	0	0	0	NM_021541	crystallin, beta A2 (Cryba2), mRNA.	Mme-M200015753	ILMN_2629519	0	0
12959	Cryba4	0.164	0.165	0.039	0	0	0	0	0	0	NM_021351	crystallin, beta A4 (Cryba4), mRNA.	Mme-M400011386	ILMN_1258732	0	0
12960	Crybb1	-0.066	-0.074	-0.031	0	0	0	0	0	0	NM_023695	crystallin, beta B1 (Crybb1), mRNA.	Mme-M300006620	ILMN_2702122	0	0
12961	Crybb2	-0.045	0.070	0.015	0	0	0	0	0	0	NM_007773	crystallin, beta B2 (Crybb2), mRNA.	Mme-M200000440	ILMN_2670240	0	0
12962	Crybb3	-0.123	-0.019	-0.066	0	0	0	0	0	0	NM_021352	crystallin, beta B3 (Crybb3), mRNA.	Mme-M400001160	ILMN_2720107	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
224273	Crybg3	-0.035	-0.073	0.058	0	0	0	0	0	0	NM_174848	cDNA sequence BC043118 (BC043118), mRNA.	Mme-M300003473	ILMN_2699028	0	0
12964	Cryga	-0.195	0.026	0.024	0	0	0	0	0	0	NM_007774	crystallin, gamma A (Cryga), mRNA.	Mme-M200003825	ILMN_2705692	0	0
12965	Crygb	-0.069	-0.062	0.114	0	0	0	0	0	0	NM_144761	crystallin, gamma B (Crygb), mRNA.	Mme-M400008647	ILMN_2757133	0	0
12966	Crygc	-0.027	0.042	0.001	0	0	0	0	0	0	NM_007775	crystallin, gamma C (Crygc), transcript variant 1, mRNA.	Mme-M200006948	ILMN_1221737	0	0
12967	Crygd	0.041	0.071	-0.060	0	0	0	0	0	0	NM_007776	crystallin, gamma D (Crygd), mRNA.	Mme-M300019633	ILMN_2884655	0	0
12968	Cryge	-0.085	0.000	-0.006	0	0	0	0	0	0	NM_007777	crystallin, gamma E (Cryge), mRNA.	Mme-M400002232	ILMN_2693134	0	0
12969	Crygf	0.015	0.004	-0.030	0	0	0	0	0	0	NM_027010	crystallin, gamma F (Crygf), mRNA.	Mme-M400000873	ILMN_1256721	0	0
214301	Crygn	0.012	0.084	0.018	0	0	0	0	0	0	NM_153076	crystallin, gamma N (Crygn), mRNA.	Mme-M200015109	ILMN_3029509	0	0
12970	Crygs	-0.271	-0.097	0.100	0	0	0	0	0	0	NM_009967	crystallin, gamma S (Crygs), mRNA.	Mme-M200002331	ILMN_2702266	0	0
68631	Cryl1	0.190	-0.129	0.020	0	0	0	0	0	0	NM_030004	crystallin, lambda 1 (Cryl1), mRNA.	Mme-M400000529	ILMN_2833936	0	0
12971	Crym	0.216	0.226	0.055	0	0	0	0	0	0	NM_016669	crystallin, mu (Crym), mRNA.	Mme-M200002769	ILMN_2913563	0	0
12972	Cryz	0.115	-0.083	-0.206	0	0	0	0	0	0	NM_009968	crystallin, zeta (Cryz), mRNA.	Mme-M200001386	ILMN_2637792	0	0
66609	Cryzl1	0.073	0.166	0.136	0	0	0	0	0	0	NM_133679	crystallin, zeta (quinone reductase)-like 1 (Cryzl1), mRNA.	Mme-M200008769	ILMN_1246295	0	0
12974	Cs	0.244	0.241	0.059	0	0	0	0	0	0	NM_026444	citrate synthase (Cs), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000710	ILMN_1241236	0	0
246277	Csad	-0.102	-0.413	0.110	0	0	0	0	0	0	NM_144942	cysteine sulfinic acid decarboxylase (Csad), mRNA.	Mme-M400000639	ILMN_2810624	0	0
105859	Csdc2	-0.162	-0.030	-0.034	0	0	0	0	0	0	NM_145473	cold shock domain containing C2, RNA binding (Csdc2), mRNA.	Mme-M300013515	ILMN_2736847	0	0
229663	Csde1	0.187	0.113	0.199	0	0	0	0	0	0	NM_144901	cold shock domain containing E1, RNA binding (Csde1), mRNA.	Mme-M300005817	ILMN_2670662	0	0
110750	Cse1l	0.313	-0.012	0.123	0	0	0	0	0	0	NM_023565	chromosome segregation 1-like (S. cerevisiae) (Cse1l), mRNA.	Mme-M200004383	ILMN_1258174	0	0
12977	Csf1	0.098	-0.004	0.116	0	0	0	0	0	0	NM_001113529	colony stimulating factor 1 (macrophage) (Csf1), transcript variant 2, mRNA.	Mme-M200000282	ILMN_1254561	0	0
12978	Csf1r	-0.289	0.216	0.132	0	0	0	0	0	0	NM_001037859	colony stimulating factor 1 receptor (Csf1r), mRNA.	Mme-M300004245	ILMN_2710819	0	0
12981	Csf2	-0.057	0.105	0.005	0	0	0	0	0	0	NM_009969	colony stimulating factor 2 (granulocyte-macrophage) (Csf2), mRNA.	Mme-M400000311	ILMN_2749412	0	0
12982	Csf2ra	0.032	0.078	0.058	0	0	0	0	0	0	NM_009970	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) (Csf2ra), mRNA.	Mme-M300013450	ILMN_2866276	0	0
12983	Csf2rb	0.074	0.161	0.086	0	0	0	0	0	0	NM_007780	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) (Csf2rb), mRNA.	Mme-M400000263	ILMN_1236070	0	0
12984	Csf2rb2	0.191	0.260	0.366	0	0	1	0	0	0	NM_007781	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage) (Csf2rb2), mRNA.	Mme-M200000737	ILMN_2750047	0	0
12985	Csf3	0.128	-0.055	0.147	0	0	0	0	0	0	NM_009971	colony stimulating factor 3 (granulocyte) (Csf3), mRNA.	Mme-M200000455	ILMN_2744018	0	0
12986	Csf3r	0.070	0.249	0.178	0	0	0	0	0	0	NM_007782	colony stimulating factor 3 receptor (granulocyte) (Csf3r), mRNA.	Mme-M200014855	ILMN_1255648	0	0
234356	Csgalnact1	-0.031	0.083	0.033	0	0	0	0	0	0	NM_172753	chondroitin sulfate N-acetylgalactosaminyltransferase 1 (Csgalnact1), mRNA.	Mme-M300010349	ILMN_2702444	0	0
78752	Csgalnact2	-0.088	-0.042	0.024	0	0	0	0	0	0	NM_030165	chondroitin sulfate N-acetylgalactosaminyltransferase 2 (Csgalnact2), mRNA.	Mme-M200015450	ILMN_2700042	0	0
12988	Csk	-0.009	0.068	0.094	0	0	0	0	0	0	NM_007783	c-src tyrosine kinase (Csk), mRNA.	Mme-M300008184	ILMN_1229530	0	0
71832	Csl	0.090	0.130	0.053	0	0	0	0	0	0	NM_027945	citrate synthase like (Csl), mRNA.	Mme-M400003228	ILMN_2968496	0	0
94109	Csmd1	-0.213	-0.103	-0.064	0	0	0	0	0	0	NM_053171	CUB and Sushi multiple domains 1 (Csmd1), mRNA.	Mme-M300020611	ILMN_2518319	0	0
74989	Csmd2os	-0.186	0.027	0.024	0	0	0	0	0	0	XM_897643	PREDICTED: RIKEN cDNA 4930465A12 gene (4930465A12Rik), mRNA.	Mme-M400004072	ILMN_2549022	0	0
239420	Csmd3	-0.103	0.192	0.145	0	0	0	0	0	0	NM_001081391	CUB and Sushi multiple domains 3 (Csmd3), mRNA.	Mme-M300003198	ILMN_1250241	0	0
12990	Csn1s1	0.067	-0.059	-0.021	0	0	0	0	0	0	NM_007784	casein alpha s1 (Csn1s1), mRNA.	Mme-M400010758	ILMN_2638461	0	0
12993	Csn1s2a	0.070	-0.072	0.015	0	0	0	0	0	0	NM_007785	casein alpha s2-like A (Csn1s2a), mRNA.	Mme-M200002023	ILMN_1235362	0	0
12992	Csn1s2b	-0.108	0.069	-0.075	0	0	0	0	0	0	NM_009973	casein alpha s2-like B (Csn1s2b), mRNA.	Mme-M400010992	ILMN_2875629	0	0
12991	Csn2	-0.593	0.035	0.012	0	0	0	0	0	0	NM_009972	casein beta (Csn2), mRNA.	Mme-M200001596	ILMN_2621101	0	0
12994	Csn3	0.134	0.053	0.029	0	0	0	0	0	0	NM_007786	casein kappa (Csn3), mRNA.	Mme-M200001535	ILMN_2854811	0	0
93687	Csnk1a1	-0.047	-0.045	-0.016	0	0	0	0	0	0	NM_146087	casein kinase 1, alpha 1 (Csnk1a1), mRNA.	Mme-M200014007	ILMN_1254710	0	0
104318	Csnk1d	-0.151	0.062	-0.121	0	0	0	0	0	0	NM_027874	casein kinase 1, delta (Csnk1d), transcript variant 2, mRNA.	Mme-M300004498	ILMN_2746075	0	0
27373	Csnk1e	0.080	-0.150	-0.164	0	0	0	0	0	0	NM_013767	casein kinase 1, epsilon (Csnk1e), mRNA.	Mme-M200016278	ILMN_2689333	0	0
214897	Csnk1g1	0.279	-0.249	0.064	0	0	0	0	0	0	NM_173185	casein kinase 1, gamma 1 (Csnk1g1), mRNA.	Mme-M400013648	ILMN_2736639	0	0
103236	Csnk1g2	0.144	-0.135	-0.249	0	0	0	0	0	0	NM_134002	casein kinase 1, gamma 2 (Csnk1g2), mRNA.	Mme-M200006701	ILMN_2875159	0	0
70425	Csnk1g3	-0.149	-0.176	0.121	0	0	0	0	0	0	NM_152809	casein kinase 1, gamma 3 (Csnk1g3), mRNA.	Mme-M200015712	ILMN_2793946	0	0
12995	Csnk2a1	0.044	-0.060	0.186	0	0	0	0	0	0	NM_007788	casein kinase 2, alpha 1 polypeptide (Csnk2a1), mRNA.	Mme-M300008433	ILMN_1236941	0	0
13000	Csnk2a2	-0.190	-0.292	-0.137	0	0	0	0	0	0	NM_009974	casein kinase 2, alpha prime polypeptide (Csnk2a2), mRNA.	Mme-M400009583	ILMN_1228485	0	0
13001	Csnk2b	0.175	-0.103	-0.052	0	0	0	0	0	0	NM_009975	casein kinase 2, beta polypeptide (Csnk2b), mRNA.	Mme-M200005351	ILMN_2761215	0	0
224291	Csnka2ip	-0.226	0.083	-0.068	0	0	0	0	0	0	NM_173861	CKT2 protein (Ckt2), mRNA.	Mme-M400012273	ILMN_2665369	0	0
121021	Cspg4	-0.143	0.174	-0.085	0	0	0	0	0	0	NM_139001	chondroitin sulfate proteoglycan 4 (Cspg4), mRNA.	Mme-M200013550	ILMN_2659224	0	0
29873	Cspg5	0.082	0.560	0.111	0	1	0	0	1	0	NM_013884	chondroitin sulfate proteoglycan 5 (Cspg5), mRNA.	Mme-M200008083	ILMN_2732634	1	0
211660	Cspp1	0.082	-0.107	0.035	0	0	0	0	0	0	NM_026493	centrosome and spindle pole associated protein 1 (Cspp1), mRNA.	Mme-M400005627	ILMN_1219480	0	0
114564	Csprs	-0.091	0.228	0.111	0	0	0	0	0	0	NM_033616	component of Sp100-rs (Csprs), mRNA.	Mme-M400009691	ILMN_2661289	0	0
215418	Csrnp1	0.195	0.008	0.019	0	0	0	0	0	0	NM_153287	AXIN1 up-regulated 1 (Axud1), mRNA.	Mme-M300008288	ILMN_2636403	0	0
207785	Csrnp2	0.050	-0.064	0.054	0	0	0	0	0	0	NM_153407	cysteine-serine-rich nuclear protein 2 (Csnrp2), mRNA.	Mme-M300015644	ILMN_2638721	0	0
13007	Csrp1	0.035	0.281	-0.006	0	0	0	0	0	0	NM_007791	cysteine and glycine-rich protein 1 (Csrp1), mRNA.	Mme-M200012670	ILMN_1260378	0	0
13008	Csrp2	0.167	-0.019	-0.163	0	0	0	0	0	0	NM_007792	cysteine and glycine-rich protein 2 (Csrp2), mRNA.	Mme-M300002054	ILMN_2721439	0	0
228714	Csrp2bp	0.051	-0.077	-0.199	0	0	0	0	0	0	NM_181417	cysteine and glycine-rich protein 2 binding protein (Csrp2bp), mRNA.	Mme-M200013965	ILMN_2635167	0	0
13009	Csrp3	0.766	0.215	-0.271	1	0	0	0	0	0	NM_013808	cysteine and glycine-rich protein 3 (Csrp3), mRNA.	Mme-M200003487	ILMN_2789650	0	0
58214	Cst10	0.008	0.005	-0.204	0	0	0	0	0	0	NM_021405	cystatin 10 (chondrocytes) (Cst10), mRNA.	Mme-M200008877	ILMN_2711743	0	0
78240	Cst11	-0.044	-0.071	-0.029	0	0	0	0	0	0	NM_030059	cystatin 11 (Cst11), mRNA.	Mme-M200016184	ILMN_2650856	0	0
69362	Cst12	-0.161	-0.093	0.129	0	0	0	0	0	0	XM_130487	PREDICTED: cystatin 12 (Cst12), mRNA.	Mme-M300005647	ILMN_1260424	0	0
69294	Cst13	-0.180	-0.022	0.033	0	0	0	0	0	0	NM_027024	cystatin 13 (Cst13), mRNA.	Mme-M200014416	ILMN_2595725	0	0
13010	Cst3	0.256	-0.055	-0.008	0	0	0	0	0	0	NM_009976	cystatin C (Cst3), mRNA.	Mme-M200001658	ILMN_1257575	0	0
73720	Cst6	0.072	-0.081	-0.071	0	0	0	0	0	0	NM_028623	cystatin E/M (Cst6), mRNA.	Mme-M200007898	ILMN_2872851	0	0
13011	Cst7	-0.082	0.386	0.098	0	0	0	0	0	0	NM_009977	cystatin F (leukocystatin) (Cst7), mRNA.	Mme-M400010994	ILMN_1244891	0	0
13012	Cst8	-0.246	0.034	0.049	0	0	0	0	0	0	NM_009978	cystatin 8 (cystatin-related epididymal spermatogenic) (Cst8), mRNA.	Mme-M200003895	ILMN_2707745	0	0
13013	Cst9	-0.099	0.089	0.011	0	0	0	0	0	0	NM_009979	cystatin 9 (Cst9), mRNA.	Mme-M200004034	ILMN_1239816	0	0
209294	Csta1	0.097	0.127	-0.001	0	0	0	0	0	0	NM_001033239	cystatin A (Csta), mRNA.	Mme-M400001690	ILMN_2945358	0	0
78617	Cstad	-0.377	0.025	-0.120	0	0	0	0	0	0	NM_030137	CSA-conditional, T cell activation-dependent protein (Cstad), mRNA.	Mme-M200008282	ILMN_2666764	0	0
13014	Cstb	0.135	0.116	-0.086	0	0	0	0	0	0	NM_007793	cystatin B (Cstb), mRNA.	Mme-M200002288	ILMN_2700715	0	0
67337	Cstf1	0.107	-0.084	-0.082	0	0	0	0	0	0	NM_024199	cleavage stimulation factor, 3' pre-RNA, subunit 1 (Cstf1), mRNA.	Mme-M200005376	ILMN_1216029	0	0
108062	Cstf2	0.086	-0.203	0.052	0	0	0	0	0	0	NM_133196	cleavage stimulation factor, 3' pre-RNA subunit 2 (Cstf2), mRNA.	Mme-M200015234	ILMN_2698589	0	0
83410	Cstf2t	0.295	0.043	0.079	0	0	0	0	0	0	NM_031249	cleavage stimulation factor, 3' pre-RNA subunit 2, tau (Cstf2t), mRNA.	Mme-M400011722	ILMN_2693476	0	0
228410	Cstf3	-0.005	-0.083	0.133	0	0	0	0	0	0	NM_145529	cleavage stimulation factor, 3' pre-RNA, subunit 3 (Cstf3), transcript variant 1, mRNA.	Mme-M200008179	ILMN_2615837	0	0
228756	Cstl1	-0.195	0.052	0.006	0	0	0	0	0	0	NM_177655	cystatin-like 1 (Cstl1), transcript variant 3, mRNA.	Mme-M400005075	ILMN_2715857	0	0
70062	Ctag2	-0.013	-0.006	0.038	0	0	0	0	0	0	XR_035223	PREDICTED: cancer/testis antigen 2 (Ctag2), misc RNA.	Mme-M400001345	ILMN_2745644	0	0
217615	Ctage5	0.188	0.084	-0.082	0	0	0	0	0	0	NM_146034	CTAGE family, member 5 (Ctage5), mRNA.	Mme-M300002503	ILMN_1259488	0	0
13016	Ctbp1	0.373	-0.008	-0.091	0	0	0	0	0	0	NM_013502	C-terminal binding protein 1 (Ctbp1), mRNA.	Mme-M200002517	ILMN_1215067	0	0
13017	Ctbp2	0.129	-0.100	0.013	0	0	0	0	0	0	NM_009980	C-terminal binding protein 2 (Ctbp2), mRNA.	Mme-M200002887	ILMN_1239933	0	0
74245	Ctbs	-0.112	-0.093	0.000	0	0	0	0	0	0	NM_028836	chitobiase, di-N-acetyl- (Ctbs), mRNA.	Mme-M300005988	ILMN_2604319	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13018	Ctcf	-0.071	-0.194	0.041	0	0	0	0	0	0	NM_181322	CCCTC-binding factor (Ctcf), mRNA.	Mme-M200000182	ILMN_2648973	0	0
67181	Ctdnep1	0.297	-0.182	0.023	0	0	0	0	0	0	NM_026017	Dullard homolog (Xenopus laevis) (Dullard), mRNA.	Mme-M200013702	ILMN_2748584	0	0
67655	Ctdp1	0.304	0.043	-0.096	0	0	0	0	0	0	NM_026295	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 (Ctdp1), mRNA.	Mme-M300008707	ILMN_2613659	0	0
227292	Ctdsp1	0.041	0.074	-0.197	0	0	0	0	0	0	NM_153088	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 (Ctdsp1), mRNA.	Mme-M400000898	ILMN_3130055	0	0
52468	Ctdsp2	0.232	0.086	0.042	0	0	0	0	0	0	NM_146012	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 (Ctdsp2), transcript varia	Mme-M300012716	ILMN_2863264	0	0
69274	Ctdspl	0.339	-0.057	-0.100	0	0	0	0	0	0	NM_133710	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like (Ctdspl), mRNA.	Mme-M200006149	ILMN_2632489	0	0
329506	Ctdspl2	0.089	-0.140	0.276	0	0	0	0	0	0	NM_212450	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2 (Ctdspl2), mRNA.	Mme-M400001554	ILMN_1219893	0	0
13019	Ctf1	-0.173	-0.454	-0.154	0	-1	0	0	0	0	NM_007795	cardiotrophin 1 (Ctf1), mRNA.	Mme-M200000650	ILMN_2678336	0	0
244218	Ctf2	-0.037	-0.018	0.061	0	0	0	0	0	0	NM_198858	cardiotrophin 2 (Ctf2), mRNA.	Mme-M400007062	ILMN_2643343	0	0
14219	Ctgf	0.608	-0.464	0.156	0	-1	0	0	0	0	NM_010217	connective tissue growth factor (Ctgf), mRNA.	Mme-M200000703	ILMN_1238215	0	0
107869	Cth	-0.057	-0.085	-0.011	0	0	0	0	0	0	NM_145953	cystathionase (cystathionine gamma-lyase) (Cth), mRNA.	Mme-M200005934	ILMN_2733193	0	0
68588	Cthrc1	0.191	0.046	-0.069	0	0	0	0	0	0	NM_026778	collagen triple helix repeat containing 1 (Cthrc1), mRNA.	Mme-M200013648	ILMN_2713401	0	0
269037	Ctif	0.146	0.008	0.026	0	0	0	0	0	0	NM_201354	gene model 672, (NCBI) (Gm672), mRNA.	Mme-M400004280	ILMN_2741367	0	0
13024	Ctla2a	0.583	0.075	-0.024	0	0	0	0	0	0	NM_007796	cytotoxic T lymphocyte-associated protein 2 alpha (Ctla2a), mRNA.	Mme-M400002872	ILMN_1221739	0	0
13025	Ctla2b	0.211	0.149	0.121	0	0	0	0	0	0	XM_001477566	PREDICTED: cytotoxic T lymphocyte-associated protein 2 beta (Ctla2b), mRNA.	Mme-M400002873	ILMN_1248811	0	0
12477	Ctla4	0.105	0.424	0.105	0	1	0	0	0	0	NM_009843	cytotoxic T-lymphocyte-associated protein 4 (Ctla4), mRNA.	Mme-M300004895	ILMN_2631752	0	0
12385	Ctnna1	0.119	-0.042	0.156	0	0	0	0	0	0	NM_009818	catenin (cadherin associated protein), alpha 1 (Ctnna1), mRNA.	Mme-M200003713	ILMN_2780205	0	0
12386	Ctnna2	-0.175	0.128	0.133	0	0	0	0	0	0	NM_145732	catenin (cadherin associated protein), alpha 2 (Ctnna2), transcript variant 1, mRNA.	Mme-M400010436	ILMN_2769762	0	0
216033	Ctnna3	-0.097	-0.043	-0.117	0	0	0	0	0	0	NM_177612	catenin (cadherin associated protein), alpha 3 (Ctnna3), mRNA.	Mme-M400007296	ILMN_2834525	0	0
54366	Ctnnal1	0.190	-0.315	-0.016	0	0	0	0	0	0	NM_018761	catenin (cadherin associated protein), alpha-like 1 (Ctnnal1), mRNA.	Mme-M200003161	ILMN_1232261	0	0
12387	Ctnnb1	0.165	-0.044	0.059	0	0	0	0	0	0	NM_007614	catenin (cadherin associated protein), beta 1 (Ctnnb1), mRNA.	Mme-M200001352	ILMN_2696575	0	0
66642	Ctnnbl1	-0.044	0.071	-0.132	0	0	0	0	0	0	NM_025680	catenin, beta like 1 (Ctnnbl1), mRNA.	Mme-M200014207	ILMN_1249568	0	0
12388	Ctnnd1	-0.068	0.138	0.127	0	0	0	0	0	0	NM_001085453	catenin (cadherin associated protein), delta 1 (Ctnnd1), transcript variant 5, mRNA.	Mme-M200007802	ILMN_2610460	0	0
18163	Ctnnd2	0.178	0.254	-0.119	0	0	0	0	0	0	NM_008729	catenin (cadherin associated protein), delta 2 (Ctnnd2), mRNA.	Mme-M200002411	ILMN_3090378	0	0
83429	Ctns	-0.011	-0.092	-0.204	0	0	0	0	0	0	NM_031251	cystinosis, nephropathic (Ctns), mRNA.	Mme-M200005936	ILMN_2653284	0	0
51797	Ctps	0.109	0.087	-0.085	0	0	0	0	0	0	NM_016748	cytidine 5'-triphosphate synthase (Ctps), mRNA.	Mme-M200000705	ILMN_2620435	0	0
55936	Ctps2	0.111	0.034	-0.026	0	0	0	0	0	0	NM_018737	cytidine 5'-triphosphate synthase 2 (Ctps2), mRNA.	Mme-M200000788	ILMN_2858769	0	0
22083	Ctr9	0.056	0.043	-0.046	0	0	0	0	0	0	NM_009431	Ctr9, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) (Ctr9), mRNA.	Mme-M200000180	ILMN_1246471	0	0
66473	Ctrb1	-0.280	0.015	-0.007	0	0	0	0	0	0	NM_025583	chymotrypsinogen B1 (Ctrb1), mRNA.	Mme-M200007556	ILMN_2919377	0	0
76701	Ctrc	-0.220	-0.036	-0.003	0	0	0	0	0	0	NM_001033875	chymotrypsin C (caldecrin) (Ctrc), mRNA.	Mme-M300019760	ILMN_1216509	0	0
109660	Ctrl	-0.030	0.126	-0.021	0	0	0	0	0	0	NM_023182	chymotrypsin-like (Ctrl), mRNA.	Mme-M200001038	ILMN_2673260	0	0
117066	Cts3	-0.276	0.074	0.082	0	0	0	0	0	0	NM_026906	cathepsin 3 (Cts3), mRNA.	Mme-M200016309	ILMN_2850260	0	0
58518	Cts6	-0.177	0.040	0.037	0	0	0	0	0	0	NM_021445	cathepsin 6 (Cts6), mRNA.	Mme-M200009477	ILMN_2665568	0	0
56092	Cts7	-0.242	-0.036	0.031	0	0	0	0	0	0	NM_019539	cathepsin 7 (Cts7), mRNA.	Mme-M300002759	ILMN_2728672	0	0
56094	Cts8	-0.002	0.019	-0.077	0	0	0	0	0	0	NM_019541	cathepsin 8 (Cts8), mRNA.	Mme-M200009447	ILMN_2640538	0	0
19025	Ctsa	-0.035	0.128	-0.084	0	0	0	0	0	0	NM_001038492	cathepsin A (Ctsa), transcript variant 2, mRNA.	Mme-M200002474	ILMN_1213617	0	0
13030	Ctsb	-0.167	-0.082	0.124	0	0	0	0	0	0	NM_007798	cathepsin B (Ctsb), mRNA.	Mme-M400000528	ILMN_2683316	0	0
13032	Ctsc	0.506	0.300	0.272	0	0	0	0	0	0	NM_009982	cathepsin C (Ctsc), mRNA.	Mme-M200000242	ILMN_3008858	0	0
13033	Ctsd	0.114	-0.009	0.028	0	0	0	0	0	0	NM_009983	cathepsin D (Ctsd), mRNA.	Mme-M400000147	ILMN_2987685	0	0
13034	Ctse	0.290	-0.432	0.334	0	-1	1	0	0	0	NM_007799	cathepsin E (Ctse), mRNA.	Mme-M300000564	ILMN_2960325	0	0
56464	Ctsf	0.134	-0.152	-0.021	0	0	0	0	0	0	NM_019861	cathepsin F (Ctsf), mRNA.	Mme-M200006536	ILMN_2615879	0	0
13035	Ctsg	-0.177	0.258	0.041	0	0	0	0	0	0	NM_007800	cathepsin G (Ctsg), mRNA.	Mme-M200001999	ILMN_1220236	0	0
13036	Ctsh	0.281	0.308	0.215	0	0	0	0	0	0	NM_007801	cathepsin H (Ctsh), mRNA.	Mme-M200000863	ILMN_2872058	0	0
26898	Ctsj	-0.107	0.039	-0.015	0	0	0	0	0	0	NM_012007	cathepsin J (Ctsj), mRNA.	Mme-M200007165	ILMN_1228474	0	0
13038	Ctsk	0.497	0.248	-0.182	0	0	0	0	0	0	NM_007802	cathepsin K (Ctsk), mRNA.	Mme-M200001191	ILMN_2711163	0	0
13039	Ctsl	0.151	0.109	-0.077	0	0	0	0	0	0	NM_009984	cathepsin L (Ctsl), mRNA.	Mme-M300002781	ILMN_2904703	0	0
229445	Ctso	0.054	0.153	0.026	0	0	0	0	0	0	NM_177662	cathepsin O (Ctso), mRNA.	Mme-M300005902	ILMN_2612754	0	0
104002	Ctsq	-0.084	0.073	-0.050	0	0	0	0	0	0	NM_029636	cathepsin Q (Ctsq), mRNA.	Mme-M200014382	ILMN_2981137	0	0
56835	Ctsr	-0.082	0.041	-0.106	0	0	0	0	0	0	NM_020284	cathepsin R (Ctsr), mRNA.	Mme-M200009454	ILMN_2712480	0	0
13040	Ctss	0.340	0.145	0.337	0	0	1	0	0	0	NM_021281	cathepsin S (Ctss), mRNA.	Mme-M200001409	ILMN_1246861	0	0
13041	Ctsw	0.086	0.436	0.448	0	1	1	0	0	1	NM_009985	cathepsin W (Ctsw), mRNA.	Mme-M200007552	ILMN_2721399	1	0
64138	Ctsz	0.254	0.317	0.094	0	0	0	0	0	0	NM_022325	cathepsin Z (Ctsz), mRNA.	Mme-M200009892	ILMN_2839569	0	0
13043	Cttn	0.310	-0.179	-0.106	0	0	0	0	0	0	NM_007803	cortactin (Cttn), mRNA.	Mme-M200013071	ILMN_2695664	0	0
30785	Cttnbp2	0.139	-0.055	-0.123	0	0	0	0	0	0	NM_080285	cortactin binding protein 2 (Cttnbp2), mRNA.	Mme-M300000071	ILMN_1234350	0	0
80281	Cttnbp2nl	-0.158	-0.038	0.071	0	0	0	0	0	0	NM_030249	CTTNBP2 N-terminal like (Cttnbp2nl), mRNA.	Mme-M400007693	ILMN_1216335	0	0
233189	Ctu1	-0.080	0.051	-0.027	0	0	0	0	0	0	NM_145582	ATP binding domain 3 (Atpbd3), mRNA.	Mme-M200005284	ILMN_2783557	0	0
66965	Ctu2	0.143	-0.026	-0.061	0	0	0	0	0	0	NM_153775	RIKEN cDNA 2310061F22 gene (2310061F22Rik), mRNA.	Mme-M200007928	ILMN_2860725	0	0
330695	Ctxn1	0.232	0.194	0.036	0	0	0	0	0	0	NM_183315	cortexin 1 (Ctxn1), mRNA.	Mme-M300019424	ILMN_1255166	0	0
65969	Cubn	-0.312	-0.107	0.068	0	0	0	0	0	0	NM_001081084	cubilin (intrinsic factor-cobalamin receptor) (Cubn), mRNA.	Mme-M200001036	ILMN_1224851	0	0
103841	Cuedc1	0.242	-0.230	-0.196	0	0	0	0	0	0	NM_198013	CUE domain containing 1 (Cuedc1), mRNA.	Mme-M300001663	ILMN_1229454	0	0
67116	Cuedc2	-0.179	-0.042	-0.010	0	0	0	0	0	0	NM_024192	CUE domain containing 2 (Cuedc2), mRNA.	Mme-M300010517	ILMN_1236822	0	0
26965	Cul1	0.162	0.035	0.011	0	0	0	0	0	0	NM_012042	cullin 1 (Cul1), mRNA.	Mme-M300006812	ILMN_1226323	0	0
71745	Cul2	-0.214	0.145	0.138	0	0	0	0	0	0	NM_029402	cullin 2 (Cul2), mRNA.	Mme-M200012713	ILMN_1247069	0	0
26554	Cul3	0.228	-0.128	0.061	0	0	0	0	0	0	NM_016716	cullin 3 (Cul3), mRNA.	Mme-M200003110	ILMN_1224546	0	0
99375	Cul4a	0.164	-0.045	-0.120	0	0	0	0	0	0	NM_146207	cullin 4A (Cul4a), mRNA.	Mme-M200004342	ILMN_2956895	0	0
72584	Cul4b	0.013	-0.232	-0.238	0	0	0	0	0	0	NM_028288	cullin 4B (Cul4b), transcript variant 1, mRNA.	Mme-M200004928	ILMN_2656909	0	0
66515	Cul7	0.080	-0.045	-0.213	0	0	0	0	0	0	NM_025611	cullin 7 (Cul7), mRNA.	Mme-M200009910	ILMN_2666690	0	0
78309	Cul9	0.225	-0.043	-0.109	0	0	0	0	0	0	NM_001081335	p53-associated parkin-like cytoplasmic protein (Parc), mRNA.	Mme-M400002356	ILMN_1233070	0	0
67675	Cuta	-0.038	-0.072	-0.137	0	0	0	0	0	0	NM_026948	cutA divalent cation tolerance homolog (E. coli) (Cuta), transcript variant 2, mRNA.	Mme-M300003974	ILMN_2669540	0	0
77996	Cutal	-0.038	-0.155	-0.043	0	0	0	0	0	0	NM_030021	RIKEN cDNA D730039F16 gene (D730039F16Rik), mRNA.	Mme-M200008688	ILMN_1231293	0	0
66388	Cutc	0.307	-0.098	-0.055	0	0	0	0	0	0	NM_025530	cutC copper transporter homolog (E.coli) (Cutc), transcript variant 2, mRNA.	Mme-M200003845	ILMN_2686087	0	0
13047	Cux1	0.189	-0.089	-0.239	0	0	0	0	0	0	NM_009986	cut-like homeobox 1 (Cux1), transcript variant 1, mRNA.	Mme-M400010995	ILMN_1240019	0	0
13048	Cux2	0.100	0.087	-0.055	0	0	0	0	0	0	NM_007804	cut-like homeobox 2 (Cux2), mRNA.	Mme-M300013775	ILMN_2971011	0	0
16433	Cuzd1	0.001	-0.038	0.098	0	0	0	0	0	0	NM_008411	CUB and zona pellucida-like domains 1 (Cuzd1), mRNA.	Mme-M200009409	ILMN_2592718	0	0
66070	Cwc15	0.298	0.029	0.012	0	0	0	0	0	0	NM_023153	CWC15 homolog (S. cerevisiae) (Cwc15), mRNA.	Mme-M300000509	ILMN_2663410	0	0
80744	Cwc22	-0.005	-0.139	-0.045	0	0	0	0	0	0	NM_030560	cDNA sequence BC003993 (BC003993), mRNA.	Mme-M400000983	ILMN_2746328	0	0
67480	Cwc25	-0.295	-0.063	0.122	0	0	0	0	0	0	NM_026186	coiled-coil domain containing 49 (Ccdc49), mRNA.	Mme-M200007339	ILMN_2600813	0	0
67285	Cwc27	-0.053	-0.087	0.056	0	0	0	0	0	0	NM_026072	serologically defined colon cancer antigen 10 (Sdccag10), mRNA.	Mme-M200015761	ILMN_2728254	0	0
72502	Cwf19l1	0.009	-0.137	-0.089	0	0	0	0	0	0	NM_001081077	CWF19-like 1, cell cycle control (S. pombe) (Cwf19l1), mRNA.	Mme-M200013005	ILMN_1257336	0	0
244672	Cwf19l2	0.104	-0.145	0.167	0	0	0	0	0	0	NM_027545	CWF19-like 2, cell cycle control (S. pombe) (Cwf19l2), mRNA.	Mme-M300004837	ILMN_2860135	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
231293	Cwh43	0.217	0.110	0.064	0	0	0	0	0	0	NM_181323	RIKEN cDNA C130090K23 gene (C130090K23Rik), mRNA.	Mme-M200015174	ILMN_2680601	0	0
20312	Cx3cl1	0.131	0.141	-0.051	0	0	0	0	0	0	NM_009142	chemokine (C-X3-C motif) ligand 1 (Cx3cl1), mRNA.	Mme-M200001237	ILMN_2627041	0	0
13051	Cx3cr1	0.117	0.207	0.157	0	0	0	0	0	0	NM_009987	chemokine (C-X3-C) receptor 1 (Cx3cr1), mRNA.	Mme-M400004082	ILMN_2625125	0	0
13052	Cxadr	-0.259	-0.513	0.070	0	-1	0	0	0	0	NM_001025192	coxsackievirus and adenovirus receptor (Cxadr), transcript variant 1, mRNA.	Mme-M300003562	ILMN_3018017	0	0
14825	Cxcl1	0.187	0.156	0.201	0	0	0	0	0	0	NM_008176	chemokine (C-X-C motif) ligand 1 (Cxcl1), mRNA.	Mme-M200004035	ILMN_2763245	0	0
15945	Cxcl10	0.764	1.192	0.404	1	1	1	0	1	0	NM_021274	chemokine (C-X-C motif) ligand 10 (Cxcl10), mRNA.	Mme-M200000311	ILMN_3142803	1	0
56066	Cxcl11	0.775	0.110	0.049	1	0	0	0	0	0	NM_019494	chemokine (C-X-C motif) ligand 11 (Cxcl11), mRNA.	Mme-M200009050	ILMN_1247446	0	0
20315	Cxcl12	0.218	0.195	0.080	0	0	0	0	0	0	NM_021704	chemokine (C-X-C motif) ligand 12 (Cxcl12), transcript variant 1, mRNA.	Mme-M400011403	ILMN_2746295	0	0
55985	Cxcl13	-0.078	0.893	0.554	0	1	1	0	1	1	NM_018866	chemokine (C-X-C motif) ligand 13 (Cxcl13), mRNA.	Mme-M200002874	ILMN_2760019	2	0
57266	Cxcl14	0.571	0.488	-0.061	0	1	0	0	0	0	NM_019568	chemokine (C-X-C motif) ligand 14 (Cxcl14), mRNA.	Mme-M400012815	ILMN_2659426	0	0
20309	Cxcl15	-0.050	-0.030	-0.004	0	0	0	0	0	0	NM_011339	chemokine (C-X-C motif) ligand 15 (Cxcl15), mRNA.	Mme-M200015136	ILMN_2635462	0	0
66102	Cxcl16	0.262	0.408	0.091	0	0	0	0	0	0	NM_023158	chemokine (C-X-C motif) ligand 16 (Cxcl16), mRNA.	Mme-M200014509	ILMN_2687586	0	0
232983	Cxcl17	-0.257	-0.056	-0.092	0	0	0	0	0	0	NM_153576	chemokine (C-X-C motif) ligand 17 (Cxcl17), mRNA.	Mme-M300019118	ILMN_1226394	0	0
20310	Cxcl2	-0.083	-0.053	0.178	0	0	0	0	0	0	NM_009140	chemokine (C-X-C motif) ligand 2 (Cxcl2), mRNA.	Mme-M200002070	ILMN_2811154	0	0
330122	Cxcl3	-0.759	0.027	0.039	-1	0	0	0	0	0	NM_203320	chemokine (C-X-C motif) ligand 3 (Cxcl3), mRNA.	Mme-M300009681	ILMN_2709267	0	0
20311	Cxcl5	-0.143	0.034	0.001	0	0	0	0	0	0	NM_009141	chemokine (C-X-C motif) ligand 5 (Cxcl5), mRNA.	Mme-M200001871	ILMN_1230278	0	0
17329	Cxcl9	1.080	1.015	0.544	1	1	1	1	1	1	NM_008599	chemokine (C-X-C motif) ligand 9 (Cxcl9), mRNA.	Mme-M200000272	ILMN_1215862	3	0
227288	Cxcr1	0.113	0.099	-0.017	0	0	0	0	0	0	NM_178241	interleukin 8 receptor, alpha (Il8ra), mRNA.	Mme-M300019276	ILMN_2588216	0	0
12765	Cxcr2	0.158	0.133	0.163	0	0	0	0	0	0	NM_009909	interleukin 8 receptor, beta (Il8rb), mRNA.	Mme-M200003054	ILMN_1223834	0	0
12766	Cxcr3	-0.023	0.243	0.206	0	0	0	0	0	0	NM_009910	chemokine (C-X-C motif) receptor 3 (Cxcr3), mRNA.	Mme-M300020938	ILMN_2658786	0	0
12767	Cxcr4	-0.419	0.064	0.060	0	0	0	0	0	0	NM_009911	chemokine (C-X-C motif) receptor 4 (Cxcr4), mRNA.	Mme-M400003021	ILMN_2630459	0	0
12145	Cxcr5	0.006	0.274	0.085	0	0	0	0	0	0	NM_007551	chemochine (C-X-C motif) receptor 5 (Cxcr5), mRNA.	Mme-M300018703	ILMN_2990494	0	0
80901	Cxcr6	0.080	0.188	0.370	0	0	1	0	0	0	NM_030712	chemokine (C-X-C motif) receptor 6 (Cxcr6), mRNA.	Mme-M200008961	ILMN_1221846	0	0
12778	Cxcr7	0.423	-0.053	-0.005	0	0	0	0	0	0	NM_007722	chemokine (C-X-C motif) receptor 7 (Cxcr7), mRNA.	Mme-M300015361	ILMN_2687561	0	0
66158	Cxx1a	0.102	0.236	0.117	0	0	0	0	0	0	NM_024170	CAAX box 1 homolog A (human) (Cxx1a), mRNA.	Mme-M400011451	ILMN_2952779	0	0
72865	Cxx1c	0.095	-0.110	-0.155	0	0	0	0	0	0	NM_028375	CAAX box 1 homolog C (human) (Cxx1c), mRNA.	Mme-M400003914	ILMN_2943972	0	0
74322	Cxxc1	0.212	-0.094	-0.078	0	0	0	0	0	0	NM_028868	CXXC finger 1 (PHD domain) (Cxxc1), mRNA.	Mme-M200003512	ILMN_2620959	0	0
319478	Cxxc4	0.180	-0.281	-0.391	0	0	-1	0	0	0	NM_001004367	CXXC finger 4 (Cxxc4), mRNA.	Mme-M300015388	ILMN_3123909	0	0
67393	Cxxc5	0.310	-0.236	0.021	0	0	0	0	0	0	NM_133687	CXXC finger 5 (Cxxc5), mRNA.	Mme-M300017554	ILMN_2760782	0	0
13056	Cyb561	0.193	0.147	-0.150	0	0	0	0	0	0	NM_007805	cytochrome b-561 (Cyb561), mRNA.	Mme-M200009758	ILMN_1232601	0	0
225912	Cyb561a3	0.066	-0.044	-0.020	0	0	0	0	0	0	NM_201351	cytochrome b, ascorbate dependent 3 (Cybasc3), mRNA.	Mme-M300009355	ILMN_2590779	0	0
72023	Cyb561d1	-0.097	-0.239	-0.105	0	0	0	0	0	0	NM_028061	cytochrome b-561 domain containing 1 (Cyb561d1), transcript variant 2, mRNA.	Mme-M200014762	ILMN_3078306	0	0
56368	Cyb561d2	0.098	0.004	-0.025	0	0	0	0	0	0	NM_019720	cytochrome b-561 domain containing 2 (Cyb561d2), mRNA.	Mme-M200005012	ILMN_2850342	0	0
109672	Cyb5a	0.303	-0.045	0.076	0	0	0	0	0	0	NM_025797	cytochrome b-5 (Cyb5), mRNA.	Mme-M300004251	ILMN_2966632	0	0
66427	Cyb5b	-0.026	-0.082	-0.147	0	0	0	0	0	0	NM_025558	cytochrome b5 type B (Cyb5b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003839	ILMN_2720180	0	0
192986	Cyb5d2	-0.181	-0.077	-0.156	0	0	0	0	0	0	NM_001024926	cytochrome b5 domain containing 2 (Cyb5d2), mRNA.	Mme-M400014954	ILMN_1218915	0	0
72017	Cyb5r1	0.167	-0.023	-0.048	0	0	0	0	0	0	NM_028057	cytochrome b5 reductase 1 (Cyb5r1), mRNA.	Mme-M200009556	ILMN_1243370	0	0
320635	Cyb5r2	0.069	-0.058	0.010	0	0	0	0	0	0	NM_177216	cytochrome b5 reductase 2 (Cyb5r2), mRNA.	Mme-M300018886	ILMN_2655465	0	0
109754	Cyb5r3	-0.131	0.221	0.095	0	0	0	0	0	0	NM_029787	cytochrome b5 reductase 3 (Cyb5r3), mRNA.	Mme-M200004428	ILMN_2636832	0	0
266690	Cyb5r4	-0.032	0.167	0.101	0	0	0	0	0	0	NM_024195	cytochrome b5 reductase 4 (Cyb5r4), mRNA.	Mme-M300008489	ILMN_2715914	0	0
230582	Cyb5rl	0.043	-0.054	-0.047	0	0	0	0	0	0	NM_175471	RIKEN cDNA 2810410C14 gene (2810410C14Rik), mRNA.	Mme-M200014114	ILMN_2964728	0	0
13057	Cyba	0.363	0.497	0.240	0	1	0	0	0	0	NM_007806	cytochrome b-245, alpha polypeptide (Cyba), mRNA.	Mme-M200000165	ILMN_2806700	0	0
13058	Cybb	0.055	0.106	0.072	0	0	0	0	0	0	NM_007807	cytochrome b-245, beta polypeptide (Cybb), mRNA.	Mme-M300001403	ILMN_2716935	0	0
73649	Cybrd1	-0.046	0.200	0.055	0	0	0	0	0	0	NM_028593	cytochrome b reductase 1 (Cybrd1), mRNA.	Mme-M200014266	ILMN_2525111	0	0
66445	Cyc1	0.173	0.021	-0.205	0	0	0	0	0	0	NM_025567	cytochrome c-1 (Cyc1), mRNA.	Mme-M200006376	ILMN_1251771	0	0
13063	Cycs	0.314	0.118	0.136	0	0	0	0	0	0	NM_007808	cytochrome c, somatic (Cycs), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006897	ILMN_3155380	0	0
13067	Cyct	-0.006	-0.063	-0.050	0	0	0	0	0	0	NM_009989	cytochrome c, testis (Cyct), mRNA.	Mme-M400005508	ILMN_2624569	0	0
20430	Cyfip1	0.043	-0.023	0.023	0	0	0	0	0	0	NM_011370	cytoplasmic FMR1 interacting protein 1 (Cyfip1), mRNA.	Mme-M200003186	ILMN_2861469	0	0
76884	Cyfip2	0.211	0.082	-0.149	0	0	0	0	0	0	NM_133769	cytoplasmic FMR1 interacting protein 2 (Cyfip2), mRNA.	Mme-M400012825	ILMN_1232800	0	0
114886	Cygb	0.032	-0.096	-0.405	0	0	-1	0	0	-1	NM_030206	cytoglobin (Cygb), mRNA.	Mme-M200007615	ILMN_2801891	0	1
54151	Cyhr1	0.035	-0.264	-0.065	0	0	0	0	0	0	NM_019396	cysteine and histidine rich 1 (Cyhr1), transcript variant 1, mRNA.	Mme-M200003638	ILMN_2599521	0	0
67407	Cylc1	0.094	0.108	0.014	0	0	0	0	0	0	NM_026134	cylicin, basic protein of sperm head cytoskeleton 1 (Cylc1), mRNA.	Mme-M200010011	ILMN_2681992	0	0
74256	Cyld	0.148	0.122	0.157	0	0	0	0	0	0	NM_173369	cylindromatosis (turban tumor syndrome) (Cyld), mRNA.	Mme-M200004855	ILMN_1260381	0	0
229697	Cym	-0.016	0.014	-0.002	0	0	0	0	0	0	NM_001111143	gene model 131, (NCBI) (Gm131), mRNA.	Mme-M300005836	ILMN_1231415	0	0
13070	Cyp11a1	-0.114	-0.090	-0.053	0	0	0	0	0	0	NM_019779	cytochrome P450, family 11, subfamily a, polypeptide 1 (Cyp11a1), nuclear gene encoding mitochondrial protein	Mme-M300008188	ILMN_2634367	0	0
110115	Cyp11b1	-0.352	0.044	-0.011	0	0	0	0	0	0	NM_001033229	cytochrome P450, family 11, subfamily b, polypeptide 1 (Cyp11b1), nuclear gene encoding mitochondrial protein	Mme-M400006568	ILMN_2993882	0	0
13072	Cyp11b2	-0.071	0.055	-0.073	0	0	0	0	0	0	NM_009991	cytochrome P450, family 11, subfamily b, polypeptide 2 (Cyp11b2), nuclear gene encoding mitochondrial protein	Mme-M200013365	ILMN_2748181	0	0
13074	Cyp17a1	-0.143	-0.058	0.018	0	0	0	0	0	0	NM_007809	cytochrome P450, family 17, subfamily a, polypeptide 1 (Cyp17a1), mRNA.	Mme-M200000471	ILMN_2874352	0	0
13075	Cyp19a1	-0.003	-0.062	-0.013	0	0	0	0	0	0	NM_007810	cytochrome P450, family 19, subfamily a, polypeptide 1 (Cyp19a1), mRNA.	Mme-M400001449	ILMN_2639157	0	0
13077	Cyp1a2	0.397	-0.638	-0.071	0	-1	0	0	-1	0	NM_009993	cytochrome P450, family 1, subfamily a, polypeptide 2 (Cyp1a2), mRNA.	Mme-M200003380	ILMN_2739847	0	1
13078	Cyp1b1	0.153	-0.106	0.159	0	0	0	0	0	0	NM_009994	cytochrome P450, family 1, subfamily b, polypeptide 1 (Cyp1b1), mRNA.	Mme-M200001746	ILMN_1232716	0	0
77951	Cyp20a1	-0.089	0.069	0.114	0	0	0	0	0	0	NM_030013	cytochrome P450, family 20, subfamily A, polypeptide 1 (Cyp20a1), mRNA.	Mme-M300020190	ILMN_2757625	0	0
13079	Cyp21a1	-0.021	-0.093	0.096	0	0	0	0	0	0	NM_009995	cytochrome P450, family 21, subfamily a, polypeptide 1 (Cyp21a1), mRNA.	Mme-M300004088	ILMN_2673575	0	0
13081	Cyp24a1	-0.389	0.033	-0.026	0	0	0	0	0	0	NM_009996	cytochrome P450, family 24, subfamily a, polypeptide 1 (Cyp24a1), nuclear gene encoding mitochondrial protein	Mme-M200002388	ILMN_2639900	0	0
13082	Cyp26a1	-0.189	-0.067	-0.023	0	0	0	0	0	0	NM_007811	cytochrome P450, family 26, subfamily a, polypeptide 1 (Cyp26a1), mRNA.	Mme-M300004414	ILMN_2691295	0	0
232174	Cyp26b1	0.312	-0.102	-0.061	0	0	0	0	0	0	NM_175475	cytochrome P450, family 26, subfamily b, polypeptide 1 (Cyp26b1), mRNA.	Mme-M400008263	ILMN_2905120	0	0
546726	Cyp26c1	-0.148	-0.004	0.033	0	0	0	0	0	0	NM_001105201	cytochrome P450, family 26, subfamily c, polypeptide 1 (Cyp26c1), mRNA.	Mme-M400007835	ILMN_1217511	0	0
104086	Cyp27a1	0.207	-0.229	0.060	0	0	0	0	0	0	NM_024264	cytochrome P450, family 27, subfamily a, polypeptide 1 (Cyp27a1), nuclear gene encoding mitochondrial protein	Mme-M200005354	ILMN_2620326	0	0
13115	Cyp27b1	-0.269	-0.090	-0.131	0	0	0	0	0	0	NM_010009	cytochrome P450, family 27, subfamily b, polypeptide 1 (Cyp27b1), nuclear gene encoding mitochondrial protein	Mme-M400010998	ILMN_2751094	0	0
13085	Cyp2a12	-0.124	0.060	-0.044	0	0	0	0	0	0	NM_133657	cytochrome P450, family 2, subfamily a, polypeptide 12 (Cyp2a12), mRNA.	Mme-M400007238	ILMN_2645815	0	0
13086	Cyp2a4	1.028	-0.042	-0.027	1	0	0	1	0	0	NM_009997	cytochrome P450, family 2, subfamily a, polypeptide 4 (Cyp2a4), mRNA.	Mme-M300000694	ILMN_1250364	1	0
13087	Cyp2a5	0.734	-1.684	-0.214	1	-1	0	0	-1	0	NM_007812	cytochrome P450, family 2, subfamily a, polypeptide 5 (Cyp2a5), mRNA.	Mme-M400010760	ILMN_3159131	0	1
13088	Cyp2b10	-0.050	-0.630	0.005	0	-1	0	0	-1	0	NM_009999	cytochrome P450, family 2, subfamily b, polypeptide 10 (Cyp2b10), transcript variant 2, mRNA.	Mme-M300007265	ILMN_2594926	0	1
13089	Cyp2b13	-0.257	-0.028	-0.027	0	0	0	0	0	0	NM_007813	cytochrome P450, family 2, subfamily b, polypeptide 13 (Cyp2b13), mRNA.	Mme-M400004467	ILMN_1214531	0	0
13090	Cyp2b19	0.104	-0.975	0.010	0	-1	0	0	-1	0	NM_007814	cytochrome P450, family 2, subfamily b, polypeptide 19 (Cyp2b19), mRNA.	Mme-M400002418	ILMN_2846120	0	1
243881	Cyp2b23	0.057	-0.505	0.103	0	-1	0	0	0	0	NM_001081148	cytochrome P450, family 2, subfamily b, polypeptide 23 (Cyp2b23), mRNA.	Mme-M400002399	ILMN_1235256	0	0
13094	Cyp2b9	0.048	-0.019	0.004	0	0	0	0	0	0	NM_010000	cytochrome P450, family 2, subfamily b, polypeptide 9 (Cyp2b9), mRNA.	Mme-M400010997	ILMN_2617625	0	0
13095	Cyp2c29	0.050	-0.071	-0.034	0	0	0	0	0	0	NM_007815	cytochrome P450, family 2, subfamily c, polypeptide 29 (Cyp2c29), mRNA.	Mme-M200003934	ILMN_1251150	0	0
13096	Cyp2c37	-0.102	-0.162	-0.102	0	0	0	0	0	0	NM_010001	cytochrome P450, family 2. subfamily c, polypeptide 37 (Cyp2c37), mRNA.	Mme-M400002599	ILMN_2894828	0	0
13097	Cyp2c38	-0.214	0.018	0.100	0	0	0	0	0	0	NM_010002	cytochrome P450, family 2, subfamily c, polypeptide 38 (Cyp2c38), mRNA.	Mme-M400006172	ILMN_2694627	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13098	Cyp2c39	0.023	0.035	0.101	0	0	0	0	0	0	NM_010003	cytochrome P450, family 2, subfamily c, polypeptide 39 (Cyp2c39), mRNA.	Mme-M200013880	ILMN_2677792	0	0
13099	Cyp2c40	0.045	-0.069	0.039	0	0	0	0	0	0	NM_010004	cytochrome P450, family 2, subfamily c, polypeptide 40 (Cyp2c40), mRNA.	Mme-M400009135	ILMN_3107448	0	0
226143	Cyp2c44	-0.085	-0.008	-0.028	0	0	0	0	0	0	NM_001001446	cytochrome P450, family 2, subfamily c, polypeptide 44 (Cyp2c44), mRNA.	Mme-M400000804	ILMN_2654582	0	0
107141	Cyp2c50	0.193	0.035	0.021	0	0	0	0	0	0	NM_134144	cytochrome P450, family 2, subfamily c, polypeptide 50 (Cyp2c50), mRNA.	Mme-M400011837	ILMN_1245217	0	0
404195	Cyp2c54	-0.074	-0.084	-0.063	0	0	0	0	0	0	NM_206537	cytochrome P450, family 2, subfamily c, polypeptide 54 (Cyp2c54), mRNA.	Mme-M400006620	ILMN_1241818	0	0
72082	Cyp2c55	0.305	0.007	-0.033	0	0	0	0	0	0	NM_028089	cytochrome P450, family 2, subfamily c, polypeptide 55 (Cyp2c55), mRNA.	Mme-M200009401	ILMN_2736539	0	0
545288	Cyp2c67	0.146	-0.033	-0.025	0	0	0	0	0	0	NM_001024719	cytochrome P450, family 2, subfamily c, polypeptide 67 (Cyp2c67), mRNA.	Mme-M400007910	ILMN_3074610	0	0
226105	Cyp2c70	-0.216	0.059	-0.069	0	0	0	0	0	0	NM_145499	cytochrome P450, family 2, subfamily c, polypeptide 70 (Cyp2c70), mRNA.	Mme-M300013668	ILMN_1245514	0	0
13101	Cyp2d10	-0.347	-0.066	-0.027	0	0	0	0	0	0	NM_010005	cytochrome P450, family 2, subfamily d, polypeptide 10 (Cyp2d10), mRNA.	Mme-M400005786	ILMN_1229535	0	0
380997	Cyp2d12	-0.419	0.117	0.100	0	0	0	0	0	0	NM_201360	cytochrome P450, family 2, subfamily d, polypeptide 12 (Cyp2d12), mRNA.	Mme-M400007352	ILMN_2875737	0	0
68444	Cyp2d13	-0.050	0.010	0.004	0	0	0	0	0	0	NR_003552	cytochrome P450, family 2, subfamily d, polypeptide 13 (Cyp2d13) on chromosome 15.	Mme-M400005764	ILMN_1253563	0	0
56448	Cyp2d22	-0.146	-0.066	-0.225	0	0	0	0	0	0	NM_019823	cytochrome P450, family 2, subfamily d, polypeptide 22 (Cyp2d22), mRNA.	Mme-M400007507	ILMN_1214498	0	0
76279	Cyp2d26	-0.125	0.140	-0.099	0	0	0	0	0	0	NM_029562	cytochrome P450, family 2, subfamily d, polypeptide 26 (Cyp2d26), mRNA.	Mme-M300003289	ILMN_2642975	0	0
71754	Cyp2d40	-0.316	0.050	-0.020	0	0	0	0	0	0	NM_023623	cytochrome P450, family 2, subfamily d, polypeptide 40 (Cyp2d40), mRNA.	Mme-M400006412	ILMN_2802643	0	0
13105	Cyp2d9	0.163	0.099	0.007	0	0	0	0	0	0	NM_010006	cytochrome P450, family 2, subfamily d, polypeptide 9 (Cyp2d9), mRNA.	Mme-M400000210	ILMN_2687507	0	0
13106	Cyp2e1	-0.052	-0.202	-0.420	0	0	-1	0	0	-1	NM_021282	cytochrome P450, family 2, subfamily e, polypeptide 1 (Cyp2e1), mRNA.	Mme-M200004209	ILMN_2687014	0	1
13107	Cyp2f2	0.674	-0.418	-0.345	1	0	-1	0	0	0	NM_007817	cytochrome P450, family 2, subfamily f, polypeptide 2 (Cyp2f2), mRNA.	Mme-M300000364	ILMN_2702903	0	0
13108	Cyp2g1	-0.162	-1.189	-0.069	0	-1	0	0	-1	0	NM_013809	cytochrome P450, family 2, subfamily g, polypeptide 1 (Cyp2g1), mRNA.	Mme-M300020421	ILMN_1226469	0	1
100066	Cyp2j11	-0.108	-0.142	0.034	0	0	0	0	0	0	NM_001004141	cytochrome P450, family 2, subfamily j, polypeptide 11 (Cyp2j11), mRNA.	Mme-M400006877	ILMN_1258039	0	0
242546	Cyp2j12	-0.084	0.022	-0.029	0	0	0	0	0	0	NM_001100182	cytochrome P450, family 2, subfamily j, polypeptide 12 (Cyp2j12), mRNA.	Mme-M400010328	ILMN_1246579	0	0
230459	Cyp2j13	0.051	-0.046	-0.046	0	0	0	0	0	0	NM_145548	cytochrome P450, family 2, subfamily j, polypeptide 13 (Cyp2j13), mRNA.	Mme-M300006162	ILMN_2777576	0	0
13109	Cyp2j5	-0.236	-0.028	0.028	0	0	0	0	0	0	NM_010007	cytochrome P450, family 2, subfamily j, polypeptide 5 (Cyp2j5), mRNA.	Mme-M300001380	ILMN_2608511	0	0
13110	Cyp2j6	-0.162	0.052	0.028	0	0	0	0	0	0	NM_010008	cytochrome P450, family 2, subfamily j, polypeptide 6 (Cyp2j6), mRNA.	Mme-M300001382	ILMN_2636302	0	0
665095	Cyp2j8	-0.014	-0.105	-0.045	0	0	0	0	0	0	NM_001104927	cytochrome P450, family 2, subfamily j, polypeptide 8 (Cyp2j8), mRNA.	Mme-M400010330	ILMN_1238643	0	0
74519	Cyp2j9	-0.099	-0.009	0.065	0	0	0	0	0	0	NM_028979	cytochrome P450, family 2, subfamily j, polypeptide 9 (Cyp2j9), mRNA.	Mme-M300001385	ILMN_2719908	0	0
244209	Cyp2r1	0.069	0.025	0.080	0	0	0	0	0	0	NM_177382	cytochrome P450, family 2, subfamily r, polypeptide 1 (Cyp2r1), mRNA.	Mme-M300007353	ILMN_1248189	0	0
74134	Cyp2s1	0.127	0.013	-0.049	0	0	0	0	0	0	NM_028775	cytochrome P450, family 2, subfamily s, polypeptide 1 (Cyp2s1), mRNA.	Mme-M200004676	ILMN_2758264	0	0
384724	Cyp2t4	-0.069	-0.011	0.008	0	0	0	0	0	0	NM_001100184	cytochrome P450, family 2, subfamily t, polypeptide 4 (Cyp2t4), mRNA.	Mme-M400004313	ILMN_2540869	0	0
545817	Cyp2w1	-0.121	-0.024	-0.021	0	0	0	0	0	0	XM_001481321	PREDICTED: cytochrome P450, family 2, subfamily w, polypeptide 1 (Cyp2w1), mRNA.	Mme-M400001179	ILMN_2530362	0	0
56050	Cyp39a1	-0.128	-0.131	0.068	0	0	0	0	0	0	NM_018887	cytochrome P450, family 39, subfamily a, polypeptide 1 (Cyp39a1), mRNA.	Mme-M200003567	ILMN_2742311	0	0
13112	Cyp3a11	0.145	0.040	-0.111	0	0	0	0	0	0	NM_007818	cytochrome P450, family 3, subfamily a, polypeptide 11 (Cyp3a11), mRNA.	Mme-M400005385	ILMN_2753183	0	0
13113	Cyp3a13	0.034	-0.163	-0.065	0	0	0	0	0	0	NM_007819	cytochrome P450, family 3, subfamily a, polypeptide 13 (Cyp3a13), mRNA.	Mme-M300006839	ILMN_2700627	0	0
13114	Cyp3a16	0.020	-0.096	0.095	0	0	0	0	0	0	NM_007820	cytochrome P450, family 3, subfamily a, polypeptide 16 (Cyp3a16), mRNA.	Mme-M400002167	ILMN_2703479	0	0
56388	Cyp3a25	-0.174	-0.027	-0.096	0	0	0	0	0	0	NM_019792	cytochrome P450, family 3, subfamily a, polypeptide 25 (Cyp3a25), mRNA.	Mme-M400001189	ILMN_2928679	0	0
53973	Cyp3a41a	-0.058	-0.056	0.021	0	0	0	0	0	0	NM_017396	cytochrome P450, family 3, subfamily a, polypeptide 41A (Cyp3a41a), mRNA.	Mme-M400004802	ILMN_2672418	0	0
337924	Cyp3a44	0.060	-0.088	-0.019	0	0	0	0	0	0	NM_177380	cytochrome P450, family 3, subfamily a, polypeptide 44 (Cyp3a44), mRNA.	Mme-M400006121	ILMN_1247769	0	0
13116	Cyp46a1	0.152	0.307	-0.087	0	0	0	0	0	0	NM_010010	cytochrome P450, family 46, subfamily a, polypeptide 1 (Cyp46a1), mRNA.	Mme-M400000450	ILMN_2781557	0	0
277753	Cyp4a12a	-0.182	-0.059	-0.134	0	0	0	0	0	0	NM_177406	cytochrome P450, family 4, subfamily a, polypeptide 12a (Cyp4a12a), mRNA.	Mme-M400001673	ILMN_1254109	0	0
13118	Cyp4a12b	0.028	-0.478	-0.028	0	-1	0	0	0	0	NM_172306	cytochrome P450, family 4, subfamily a, polypeptide 12B (Cyp4a12b), mRNA.	Mme-M400012218	ILMN_1217072	0	0
13119	Cyp4a14	-0.046	-0.020	0.031	0	0	0	0	0	0	NM_007822	cytochrome P450, family 4, subfamily a, polypeptide 14 (Cyp4a14), mRNA.	Mme-M200002553	ILMN_2691680	0	0
230639	Cyp4a29	-0.333	0.084	-0.014	0	0	0	0	0	0	NM_001100183	cytochrome P450, family 4, subfamily a, polypeptide 29 (Cyp4a29), mRNA.	Mme-M400008021	ILMN_1227787	0	0
666168	Cyp4a31	0.316	-0.406	-0.090	0	0	0	0	0	0	NM_201640	cytochrome P450, family 4, subfamily a, polypeptide 31 (Cyp4a31), mRNA.	Mme-M400009296	ILMN_2529509	0	0
13120	Cyp4b1	0.116	0.080	-0.033	0	0	0	0	0	0	NM_007823	cytochrome P450, family 4, subfamily b, polypeptide 1 (Cyp4b1), mRNA.	Mme-M200000710	ILMN_2694569	0	0
170716	Cyp4f13	0.128	-0.172	-0.118	0	0	0	0	0	0	NM_130882	cytochrome P450, family 4, subfamily f, polypeptide 13 (Cyp4f13), mRNA.	Mme-M300004039	ILMN_3006911	0	0
64385	Cyp4f14	-0.022	0.022	0.030	0	0	0	0	0	0	NM_022434	cytochrome P450, family 4, subfamily f, polypeptide 14 (Cyp4f14), mRNA.	Mme-M300004040	ILMN_1231625	0	0
106648	Cyp4f15	-0.150	-0.238	-0.071	0	0	0	0	0	0	NM_134127	cytochrome P450, family 4, subfamily f, polypeptide 15 (Cyp4f15), mRNA.	Mme-M300003882	ILMN_2906226	0	0
70101	Cyp4f16	-0.273	0.078	0.060	0	0	0	0	0	0	NM_024442	cytochrome P450, family 4, subfamily f, polypeptide 16 (Cyp4f16), mRNA.	Mme-M400000716	ILMN_2729452	0	0
72054	Cyp4f18	-0.492	0.114	0.179	0	0	0	0	0	0	NM_024444	cytochrome P450, family 4, subfamily f, polypeptide 18 (Cyp4f18), mRNA.	Mme-M400011465	ILMN_3090207	0	0
320997	Cyp4f39	-0.104	-0.213	-0.097	0	0	0	0	0	0	NM_177307	cytochrome P450, family 4, subfamily f, polypeptide 39 (Cyp4f39), mRNA.	Mme-M300003889	ILMN_1221376	0	0
631304	Cyp4f40	-0.100	-0.009	-0.019	0	0	0	0	0	0	NM_001101588	cytochrome P450, family 4, subfamily f, polypeptide 40 (Cyp4f40), mRNA.	Mme-M400003417	ILMN_1213968	0	0
77875	Cyp4f41-ps	-0.149	0.005	0.026	0	0	0	0	0	0	XM_128564	PREDICTED: RIKEN cDNA 6030422M01 gene (6030422M01Rik), mRNA.	Mme-M200008959	ILMN_1246965	0	0
102294	Cyp4v3	0.306	0.011	0.021	0	0	0	0	0	0	NM_133969	cytochrome P450, family 4, subfamily v, polypeptide 3 (Cyp4v3), mRNA.	Mme-M200000630	ILMN_1251504	0	0
81906	Cyp4x1	-0.288	0.095	-0.045	0	0	0	0	0	0	NM_001003947	cytochrome P450, family 4, subfamily x, polypeptide 1 (Cyp4x1), mRNA.	Mme-M300018012	ILMN_3163399	0	0
13121	Cyp51	-0.088	0.010	-0.039	0	0	0	0	0	0	NM_020010	cytochrome P450, family 51 (Cyp51), mRNA.	Mme-M200009287	ILMN_2688075	0	0
13122	Cyp7a1	-0.386	0.011	0.032	0	0	0	0	0	0	NM_007824	cytochrome P450, family 7, subfamily a, polypeptide 1 (Cyp7a1), mRNA.	Mme-M300006012	ILMN_2604383	0	0
13123	Cyp7b1	0.026	0.184	-0.029	0	0	0	0	0	0	NM_007825	cytochrome P450, family 7, subfamily b, polypeptide 1 (Cyp7b1), mRNA.	Mme-M200001950	ILMN_2601215	0	0
13124	Cyp8b1	0.080	0.105	0.077	0	0	0	0	0	0	NM_010012	cytochrome P450, family 8, subfamily b, polypeptide 1 (Cyp8b1), mRNA.	Mme-M200003984	ILMN_2627744	0	0
664726	Cypt10	-0.148	-0.123	-0.056	0	0	0	0	0	0	NM_001039944	cysteine-rich perinuclear theca 10 (Cypt10), mRNA.	Mme-M400003371	ILMN_2777305	0	0
75439	Cypt12	0.258	-0.019	0.026	0	0	0	0	0	0	XM_001472148	PREDICTED: cysteine-rich perinuclear theca 12 (Cypt12), mRNA.	Mme-M200005390	ILMN_2482150	0	0
78631	Cypt15	-0.122	0.061	-0.034	0	0	0	0	0	0	XM_976675	PREDICTED: RIKEN cDNA 1700085A12 gene (1700085A12Rik), mRNA.	Mme-M300020690	ILMN_2494817	0	0
245566	Cypt2	-0.185	0.043	-0.012	0	0	0	0	0	0	NM_173436	cysteine-rich perinuclear theca 2 (Cypt2), mRNA.	Mme-M300008984	ILMN_1238134	0	0
69361	Cypt3	-0.068	-0.065	-0.022	0	0	0	0	0	0	NM_173367	cysteine-rich perinuclear theca 3 (Cypt3), mRNA.	Mme-M400003442	ILMN_1223356	0	0
16007	Cyr61	0.195	-0.157	-0.119	0	0	0	0	0	0	NM_010516	cysteine rich protein 61 (Cyr61), mRNA.	Mme-M200000449	ILMN_2794645	0	0
12879	Cys1	0.134	-0.027	-0.015	0	0	0	0	0	0	NM_138686	cystin 1 (Cys1), transcript variant 1, mRNA.	Mme-M400011869	ILMN_1229578	0	0
58861	Cysltr1	0.093	0.203	0.134	0	0	0	0	0	0	NM_021476	cysteinyl leukotriene receptor 1 (Cysltr1), mRNA.	Mme-M400004252	ILMN_2680770	0	0
70086	Cysltr2	0.035	0.043	-0.090	0	0	0	0	0	0	NM_133720	cysteinyl leukotriene receptor 2 (Cysltr2), mRNA.	Mme-M200010111	ILMN_2733683	0	0
67859	Cysrt1	-0.048	0.066	0.026	0	0	0	0	0	0	NM_026415	RIKEN cDNA 2310002J15 gene (2310002J15Rik), mRNA.	Mme-M200014511	ILMN_2892211	0	0
19157	Cyth1	0.015	-0.054	-0.083	0	0	0	0	0	0	NM_001112700	pleckstrin homology, Sec7 and coiled-coil domains 1 (Pscd1), transcript variant 3, mRNA.	Mme-M300001552	ILMN_2868827	0	0
19158	Cyth2	0.199	-0.042	-0.110	0	0	0	0	0	0	NM_001112701	pleckstrin homology, Sec7 and coiled-coil domains 2 (Pscd2), transcript variant 2, mRNA.	Mme-M300000392	ILMN_1251874	0	0
19159	Cyth3	0.041	0.137	0.040	0	0	0	0	0	0	NM_011182	pleckstrin homology, Sec7 and coiled-coil domains 3 (Pscd3), mRNA.	Mme-M200003725	ILMN_2791746	0	0
72318	Cyth4	0.087	0.344	0.104	0	0	0	0	0	0	NM_028195	pleckstrin homology, Sec7 and coiled/coil domains 4 (Pscd4), mRNA.	Mme-M400000281	ILMN_1251229	0	0
227929	Cytip	0.074	0.585	0.348	0	1	1	0	1	0	NM_139200	pleckstrin homology, Sec7 and coiled-coil domains, binding protein (Pscdbp), mRNA.	Mme-M200008952	ILMN_1251748	1	0
231162	Cytl1	0.332	-0.379	0.045	0	0	0	0	0	0	NM_001081106	cytokine like 1 (Cytl1), mRNA.	Mme-M300012152	ILMN_2877029	0	0
224405	Cyyr1	-0.127	-0.053	0.000	0	0	0	0	0	0	NM_144853	cysteine and tyrosine-rich protein 1 (Cyyr1), mRNA.	Mme-M300013031	ILMN_2612532	0	0
319371	D030028A08Rik	-0.069	0.122	-0.036	0	0	0	0	0	0	NR_003293	RIKEN cDNA D030028A08 gene (D030028A08Rik) on chromosome 11.	Mme-M400004859	ILMN_1254136	0	0
225995	D030056L22Rik	0.024	-0.083	0.045	0	0	0	0	0	0	NM_177640	RIKEN cDNA D030056L22 gene (D030056L22Rik), mRNA.	Mme-M200005833	ILMN_2760671	0	0
215821	D10Bwg1379e	-0.307	0.130	-0.106	0	0	0	0	0	0	NM_001033258	DNA segment, Chr 10, Brigham & Women's Genetics 1379 expressed (D10Bwg1379e), mRNA.	Mme-M300001861	ILMN_2525402	0	0
28295	D10Jhu81e	0.186	0.117	-0.150	0	0	0	0	0	0	NM_138601	DNA segment, Chr 10, Johns Hopkins University 81 expressed (D10Jhu81e), mRNA.	Mme-M300008474	ILMN_2991545	0	0
28109	D10Wsu102e	-0.078	-0.069	-0.002	0	0	0	0	0	0	NM_026579	DNA segment, Chr 10, Wayne State University 102, expressed (D10Wsu102e), mRNA.	Mme-M300002093	ILMN_2707694	0	0
276852	D11Wsu47e	-0.223	0.129	-0.041	0	0	0	0	0	0	NM_177777	DNA segment, Chr 11, Wayne State University 47, expressed (D11Wsu47e), mRNA.	Mme-M200007483	ILMN_1230030	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
211135	D130040H23Rik	-0.363	0.003	0.135	0	0	0	0	0	0	NM_172491	RIKEN cDNA D130040H23 gene (D130040H23Rik), mRNA.	Mme-M300010313	ILMN_1221081	0	0
210108	D130043K22Rik	-0.144	-0.062	-0.129	0	0	0	0	0	0	NM_001081051	RIKEN cDNA D130043K22 gene (D130043K22Rik), mRNA.	Mme-M300000847	ILMN_1218920	0	0
210998	D15Ertd621e	0.191	-0.130	-0.148	0	0	0	0	0	0	NM_145959	DNA segment, Chr 15, ERATO Doi 621, expressed (D15Ertd621e), mRNA.	Mme-M300010746	ILMN_2698239	0	0
67102	D16Ertd472e	0.307	0.259	0.113	0	0	0	0	0	0	NM_025967	DNA segment, Chr 16, ERATO Doi 472, expressed (D16Ertd472e), mRNA.	Mme-M300003560	ILMN_1260073	0	0
114585	D17H6S53E	-0.159	-0.030	0.001	0	0	0	0	0	0	NM_033477	DNA segment, Chr 17, human D6S53E (D17H6S53E), mRNA.	Mme-M300014385	ILMN_3161414	0	0
224647	D17Wsu92e	-0.054	-0.020	0.109	0	0	0	0	0	0	NM_001033279	DNA segment, Chr 17, Wayne State University 92, expressed (D17Wsu92e), transcript variant 1, mRNA.	Mme-M400005596	ILMN_3163068	0	0
52874	D19Bwg1357e	-0.202	0.002	-0.148	0	0	0	0	0	0	NM_177474	DNA segment, Chr 19, Brigham & Women's Genetics 1357 expressed (D19Bwg1357e), mRNA.	Mme-M300013135	ILMN_1220305	0	0
52392	D1Ertd622e	0.105	0.033	-0.036	0	0	0	0	0	0	NM_133825	DNA segment, Chr 1, ERATO Doi 622, expressed (D1Ertd622e), mRNA.	Mme-M200003084	ILMN_2633819	0	0
110957	D1Pas1	-0.424	-0.051	-0.023	0	0	0	0	0	0	NM_033077	DNA segment, Chr 1, Pasteur Institute 1 (D1Pas1), mRNA.	Mme-M400002235	ILMN_2874631	0	0
234678	D230025D16Rik	0.216	-0.104	-0.075	0	0	0	0	0	0	NM_145604	RIKEN cDNA D230025D16 gene (D230025D16Rik), mRNA.	Mme-M200005454	ILMN_2651918	0	0
98314	D2hgdh	0.007	0.017	0.062	0	0	0	0	0	0	NM_178882	D-2-hydroxyglutarate dehydrogenase (D2hgdh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400012502	ILMN_2542258	0	0
227695	D2Wsu81e	0.003	0.005	0.116	0	0	0	0	0	0	NM_172660	DNA segment, Chr 2, Wayne State University 81, expressed (D2Wsu81e), mRNA.	Mme-M300012286	ILMN_1230557	0	0
102871	D330045A20Rik	0.012	-0.104	0.056	0	0	0	0	0	0	NM_175326	RIKEN cDNA D330045A20 gene (D330045A20Rik), mRNA.	Mme-M300013727	ILMN_2647856	0	0
241944	D3Ertd254e	-0.288	0.090	-0.146	0	0	0	0	0	0	NM_001101478	DNA segment, Chr 3, ERATO Doi 254, expressed (D3Ertd254e), mRNA.	Mme-M400003558	ILMN_2528305	0	0
442800	D430018E03Rik	0.014	-0.008	-0.029	0	0	0	0	0	0	XR_035132	PREDICTED: RIKEN cDNA D430018E03 gene (D430018E03Rik), misc RNA.	Mme-M400000202	ILMN_2831523	0	0
268595	D430019H16Rik	0.013	0.226	-0.038	0	0	0	0	0	0	XM_001476158	PREDICTED: RIKEN cDNA D430019H16 gene (D430019H16Rik), mRNA.	Mme-M400019038	ILMN_2516338	0	0
241589	D430041D05Rik	-0.035	-0.124	-0.062	0	0	0	0	0	0	NM_001033347	RIKEN cDNA D430041D05 gene (D430041D05Rik), mRNA.	Mme-M400014686	ILMN_2501455	0	0
233865	D430042O09Rik	-0.383	-0.229	-0.120	0	0	0	0	0	0	NM_001081022	RIKEN cDNA D430042O09 gene (D430042O09Rik), mRNA.	Mme-M400001489	ILMN_1244804	0	0
320661	D5Ertd579e	-0.056	0.081	0.140	0	0	0	0	0	0	NM_001081232	DNA segment, Chr 5, ERATO Doi 579, expressed (D5Ertd579e), mRNA.	Mme-M400009345	ILMN_2696299	0	0
228846	D630003M21Rik	-0.002	-0.092	-0.078	0	0	0	0	0	0	NM_177657	RIKEN cDNA D630003M21 gene (D630003M21Rik), mRNA.	Mme-M300011144	ILMN_2963009	0	0
98303	D630023F18Rik	-0.087	0.047	-0.024	0	0	0	0	0	0	NM_175293	RIKEN cDNA D630023F18 gene (D630023F18Rik), mRNA.	Mme-M300015809	ILMN_2702102	0	0
103175	D630029K05Rik	-0.280	-0.010	-0.016	0	0	0	0	0	0	XR_035447	PREDICTED: RIKEN cDNA D630029K05 gene (D630029K05Rik), misc RNA.	Mme-M400001356	ILMN_2626968	0	0
235302	D630033O11Rik	0.016	0.037	-0.065	0	0	0	0	0	0	XM_001001707	PREDICTED: RIKEN cDNA D630033O11 gene (D630033O11Rik), mRNA.	Mme-M400019054	ILMN_1240549	0	0
242484	D630039A03Rik	-0.151	-0.005	-0.018	0	0	0	0	0	0	NM_178727	RIKEN cDNA D630039A03 gene (D630039A03Rik), mRNA.	Mme-M400004002	ILMN_2644123	0	0
330286	D630045J12Rik	-0.245	-0.166	0.020	0	0	0	0	0	0	XM_986853	PREDICTED: RIKEN cDNA D630045J12 gene (D630045J12Rik), mRNA.	Mme-M400008282	ILMN_2521193	0	0
52285	D6Ertd474e	-0.101	-0.089	-0.042	0	0	0	0	0	0	XR_035146	PREDICTED: DNA segment, Chr 6, ERATO Doi 474, expressed (D6Ertd474e), misc RNA.	Mme-M400014618	ILMN_2866941	0	0
28040	D6Wsu163e	0.146	-0.063	0.076	0	0	0	0	0	0	NM_138594	DNA segment, Chr 6, Wayne State University 163, expressed (D6Wsu163e), mRNA.	Mme-M200014067	ILMN_2958894	0	0
68171	D730048I06Rik	0.001	-0.041	-0.074	0	0	0	0	0	0	NM_026593	RIKEN cDNA D730048I06 gene (D730048I06Rik), mRNA.	Mme-M200016185	ILMN_2680481	0	0
71007	D7Ertd443e	0.045	-0.081	0.084	0	0	0	0	0	0	NM_001081331	RIKEN cDNA 4933400E14 gene (4933400E14Rik), mRNA.	Mme-M400002305	ILMN_1255809	0	0
320333	D830030K20Rik	-0.101	0.078	-0.053	0	0	0	0	0	0	NM_177135	RIKEN cDNA D830030K20 gene (D830030K20Rik), mRNA.	Mme-M400009688	ILMN_3125369	0	0
320197	D830046C22Rik	-0.428	-0.055	0.008	0	0	0	0	0	0	NM_177097	RIKEN cDNA D830046C22 gene (D830046C22Rik), mRNA.	Mme-M300019272	ILMN_2897137	0	0
244418	D8Ertd82e	0.031	0.236	-0.120	0	0	0	0	0	0	NM_172911	DNA segment, Chr 8, ERATO Doi 82, expressed (D8Ertd82e), mRNA.	Mme-M300020974	ILMN_2731237	0	0
229473	D930015E06Rik	-0.151	0.079	-0.206	0	0	0	0	0	0	NM_172681	RIKEN cDNA D930015E06 gene (D930015E06Rik), mRNA.	Mme-M300008923	ILMN_2977535	0	0
216393	D930020B18Rik	-0.209	-0.068	0.058	0	0	0	0	0	0	NM_177335	RIKEN cDNA D930020B18 gene (D930020B18Rik), mRNA.	Mme-M400012414	ILMN_1241856	0	0
208846	Daam1	0.042	-0.159	0.151	0	0	0	0	0	0	NM_172464	dishevelled associated activator of morphogenesis 1 (Daam1), transcript variant 2, mRNA.	Mme-M300009424	ILMN_1246330	0	0
76441	Daam2	-0.216	0.215	-0.071	0	0	0	0	0	0	NM_001008231	dishevelled associated activator of morphogenesis 2 (Daam2), mRNA.	Mme-M300012574	ILMN_3162050	0	0
13131	Dab1	-0.251	0.110	0.106	0	0	0	0	0	0	NM_177259	disabled homolog 1 (Drosophila) (Dab1), transcript variant 2, mRNA.	Mme-M400010999	ILMN_2658980	0	0
13132	Dab2	0.081	-0.216	0.074	0	0	0	0	0	0	NM_001008702	disabled homolog 2 (Drosophila) (Dab2), transcript variant 2, mRNA.	Mme-M400000543	ILMN_1243329	0	0
13134	Dach1	0.062	-0.110	-0.105	0	0	0	0	0	0	NM_001038610	dachshund 1 (Drosophila) (Dach1), transcript variant 2, mRNA.	Mme-M400005247	ILMN_2720338	0	0
93837	Dach2	-0.104	0.035	-0.014	0	0	0	0	0	0	NM_033605	dachshund 2 (Drosophila) (Dach2), mRNA.	Mme-M400009740	ILMN_2668082	0	0
59036	Dact1	0.133	-0.016	-0.034	0	0	0	0	0	0	NM_021532	dapper homolog 1, antagonist of beta-catenin (xenopus) (Dact1), mRNA.	Mme-M400002912	ILMN_1230235	0	0
240025	Dact2	-0.029	0.211	0.102	0	0	0	0	0	0	NM_172826	dapper homolog 2, antagonist of beta-catenin (xenopus) (Dact2), mRNA.	Mme-M300019606	ILMN_2697012	0	0
13135	Dad1	0.275	0.201	-0.249	0	0	0	0	0	0	NM_010015	defender against cell death 1 (Dad1), transcript variant 2, mRNA.	Mme-M300003123	ILMN_2664628	0	0
13137	Daf2	-0.302	-0.069	0.031	0	0	0	0	0	0	NM_007827	decay accelerating factor 2 (Daf2), mRNA.	Mme-M300005086	ILMN_2644987	0	0
13138	Dag1	-0.018	-0.219	-0.550	0	0	-1	0	0	-1	NM_010017	dystroglycan 1 (Dag1), mRNA.	Mme-M200002566	ILMN_2853957	0	1
269060	Dagla	0.062	-0.090	-0.076	0	0	0	0	0	0	NM_198114	diacylglycerol lipase, alpha (Dagla), mRNA.	Mme-M300010071	ILMN_1246591	0	0
231871	Daglb	-0.099	0.085	-0.086	0	0	0	0	0	0	NM_144915	diacylglycerol lipase, beta (Daglb), mRNA.	Mme-M200002420	ILMN_2714548	0	0
67789	Dalrd3	0.103	0.011	-0.062	0	0	0	0	0	0	NM_026378	DALR anticodon binding domain containing 3 (Dalrd3), mRNA.	Mme-M200012255	ILMN_2644238	0	0
23863	Dand5	-0.320	0.015	-0.014	0	0	0	0	0	0	NM_201227	DAN domain family, member 5 (Dand5), mRNA.	Mme-M400004395	ILMN_2754305	0	0
13142	Dao	-0.382	-0.009	0.015	0	0	0	0	0	0	NM_010018	D-amino acid oxidase 1 (Dao1), mRNA.	Mme-M300013502	ILMN_2862633	0	0
223453	Dap	0.326	-0.014	-0.066	0	0	0	0	0	0	NM_146057	death-associated protein (Dap), mRNA.	Mme-M200004175	ILMN_1234812	0	0
65111	Dap3	0.093	-0.172	-0.139	0	0	0	0	0	0	NM_022994	death associated protein 3 (Dap3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011416	ILMN_2722542	0	0
69635	Dapk1	-0.146	0.174	-0.170	0	0	0	0	0	0	NM_134062	death associated protein kinase 1 (Dapk1), transcript variant 2, mRNA.	Mme-M400000483	ILMN_3155915	0	0
13143	Dapk2	0.229	0.156	-0.089	0	0	0	0	0	0	NM_010019	death-associated kinase 2 (Dapk2), mRNA.	Mme-M200013731	ILMN_2977558	0	0
13144	Dapk3	0.072	-0.242	0.021	0	0	0	0	0	0	NM_007828	death-associated kinase 3 (Dapk3), mRNA.	Mme-M200002914	ILMN_2705227	0	0
76747	Dapl1	-0.266	-0.166	-0.093	0	0	0	0	0	0	NM_029723	death associated protein-like 1 (Dapl1), mRNA.	Mme-M200004766	ILMN_1226556	0	0
26377	Dapp1	0.060	0.230	0.143	0	0	0	0	0	0	NM_011932	dual adaptor for phosphotyrosine and 3-phosphoinositides 1 (Dapp1), mRNA.	Mme-M400001065	ILMN_2595822	0	0
226414	Dars	0.121	0.182	-0.060	0	0	0	0	0	0	NM_145507	aspartyl-tRNA synthetase (Dars), mRNA.	Mme-M200006131	ILMN_1216916	0	0
226539	Dars2	0.152	-0.107	-0.028	0	0	0	0	0	0	NM_172644	aspartyl-tRNA synthetase 2 (mitochondrial) (Dars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005249	ILMN_2688721	0	0
71227	Daw1	-0.674	-0.099	0.001	-1	0	0	0	0	0	NM_027725	WD repeat domain 69 (Wdr69), mRNA.	Mme-M400004361	ILMN_1223727	0	0
13163	Daxx	0.282	0.173	-0.114	0	0	0	0	0	0	NM_007829	Fas death domain-associated protein (Daxx), mRNA.	Mme-M200005842	ILMN_2626939	0	0
70248	Dazap1	-0.076	-0.125	0.131	0	0	0	0	0	0	NM_133188	DAZ associated protein 1 (Dazap1), transcript variant 1, mRNA.	Mme-M300002023	ILMN_2860674	0	0
23994	Dazap2	0.235	-0.102	0.128	0	0	0	0	0	0	NM_011873	DAZ associated protein 2 (Dazap2), mRNA.	Mme-M200006172	ILMN_2739287	0	0
13164	Dazl	-0.024	0.117	-0.039	0	0	0	0	0	0	NM_010021	deleted in azoospermia-like (Dazl), mRNA.	Mme-M200003359	ILMN_2634147	0	0
27214	Dbf4	-0.073	0.149	0.089	0	0	0	0	0	0	NM_013726	DBF4 homolog (S. cerevisiae) (Dbf4), mRNA.	Mme-M200004386	ILMN_2952661	0	0
13166	Dbh	-0.228	-0.035	-0.073	0	0	0	0	0	0	NM_138942	dopamine beta hydroxylase (Dbh), mRNA.	Mme-M300000129	ILMN_2669234	0	0
13167	Dbi	-0.029	0.087	-0.048	0	0	0	0	0	0	NM_007830	diazepam binding inhibitor (Dbi), transcript variant 2, mRNA.	Mme-M300005070	ILMN_3071356	0	0
56320	Dbn1	0.132	0.211	-0.030	0	0	0	0	0	0	NM_019813	drebrin 1 (Dbn1), mRNA.	Mme-M300009472	ILMN_2736005	0	0
72185	Dbndd1	-0.270	0.032	0.066	0	0	0	0	0	0	NM_028146	dysbindin (dystrobrevin binding protein 1) domain containing 1 (Dbndd1), mRNA.	Mme-M300008004	ILMN_1227672	0	0
52840	Dbndd2	0.054	-0.084	-0.055	0	0	0	0	0	0	NM_001048227	dysbindin (dystrobrevin binding protein 1) domain containing 2 (Dbndd2), transcript variant 1, mRNA.	Mme-M400016011	ILMN_1249905	0	0
13169	Dbnl	0.020	0.232	0.014	0	0	0	0	0	0	NM_013810	drebrin-like (Dbnl), mRNA.	Mme-M200005628	ILMN_2710604	0	0
13170	Dbp	-0.070	0.246	-0.743	0	0	-1	0	0	-1	NM_016974	D site albumin promoter binding protein (Dbp), mRNA.	Mme-M200001342	ILMN_2616226	0	1
386753	Dbpht2	-0.072	0.015	0.268	0	0	0	0	0	0	NM_198866	DNA binding protein with his-thr domain (Dbpht2), mRNA.	Mme-M400001201	ILMN_2637413	0	0
83703	Dbr1	0.423	0.146	0.060	0	0	0	0	0	0	NM_031403	debranching enzyme homolog 1 (S. cerevisiae) (Dbr1), mRNA.	Mme-M200007080	ILMN_1254380	0	0
13171	Dbt	-0.089	0.047	-0.103	0	0	0	0	0	0	NM_010022	dihydrolipoamide branched chain transacylase E2 (Dbt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001414	ILMN_2820948	0	0
13172	Dbx1	-0.255	0.048	0.025	0	0	0	0	0	0	NM_001005232	developing brain homeobox 1 (Dbx1), mRNA.	Mme-M400001282	ILMN_2963413	0	0
223843	Dbx2	0.161	0.043	0.007	0	0	0	0	0	0	NM_207533	developing brain homeobox 2 (Dbx2), mRNA.	Mme-M300016546	ILMN_2744460	0	0
242418	Dcaf10	0.105	-0.225	0.162	0	0	0	0	0	0	NM_153167	WD repeat domain 32 (Wdr32), mRNA.	Mme-M300009987	ILMN_2685873	0	0
28199	Dcaf11	0.414	-0.018	0.040	0	0	0	0	0	0	NM_133734	WD repeat domain 23 (Wdr23), mRNA.	Mme-M200003047	ILMN_1212975	0	0
68970	Dcaf12	-0.304	-0.054	-0.024	0	0	0	0	0	0	NM_026893	WD repeat domain 40A (Wdr40a), mRNA.	Mme-M200006215	ILMN_1248522	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
245404	Dcaf12l1	-0.075	0.027	-0.018	0	0	0	0	0	0	NM_178739	WD repeat domain 40B (Wdr40b), mRNA.	Mme-M300016253	ILMN_2497615	0	0
245403	Dcaf12l2	-0.424	0.055	0.034	0	0	0	0	0	0	NM_175539	WD repeat domain 40C (Wdr40c), mRNA.	Mme-M300021584	ILMN_1258269	0	0
223499	Dcaf13	0.119	0.068	0.164	0	0	0	0	0	0	NM_198606	WD repeats and SOF domain containing 1 (Wdsof1), mRNA.	Mme-M300003192	ILMN_1236303	0	0
212123	Dcaf15	0.137	-0.012	-0.159	0	0	0	0	0	0	NM_172502	cDNA sequence BC057552 (BC057552), mRNA.	Mme-M400001978	ILMN_2896042	0	0
75763	Dcaf17	-0.222	-0.062	0.025	0	0	0	0	0	0	NM_198005	RIKEN cDNA 4833418A01 gene (4833418A01Rik), mRNA.	Mme-M400010234	ILMN_1219446	0	0
73828	Dcaf4	-0.158	-0.018	-0.101	0	0	0	0	0	0	NM_030246	WD repeat domain 21 (Wdr21), mRNA.	Mme-M200008033	ILMN_2460745	0	0
74106	Dcaf6	-0.129	0.106	0.094	0	0	0	0	0	0	XM_917541	PREDICTED: IQ motif and WD repeats 1, transcript variant 4 (Iqwd1), mRNA.	Mme-M200004775	ILMN_2608666	0	0
71833	Dcaf7	0.097	0.034	-0.220	0	0	0	0	0	0	NM_027946	WD repeat domain 68 (Wdr68), mRNA.	Mme-M200009652	ILMN_2546073	0	0
98193	Dcaf8	0.166	-0.087	0.055	0	0	0	0	0	0	NM_153555	WD repeat domain 42A (Wdr42a), mRNA.	Mme-M300005169	ILMN_2960335	0	0
68087	Dcakd	0.049	-0.080	0.105	0	0	0	0	0	0	NM_026551	dephospho-CoA kinase domain containing (Dcakd), mRNA.	Mme-M200012012	ILMN_2698843	0	0
66686	Dcbld1	0.237	-0.066	-0.127	0	0	0	0	0	0	NM_025705	discoidin, CUB and LCCL domain containing 1 (Dcbld1), mRNA.	Mme-M300001876	ILMN_1253155	0	0
73379	Dcbld2	-0.125	0.008	0.015	0	0	0	0	0	0	NM_028523	discoidin, CUB and LCCL domain containing 2 (Dcbld2), mRNA.	Mme-M200008475	ILMN_2665736	0	0
13176	Dcc	0.159	0.012	0.020	0	0	0	0	0	0	NM_007831	deleted in colorectal carcinoma (Dcc), mRNA.	Mme-M400007256	ILMN_2597650	0	0
233651	Dchs1	-0.351	0.183	-0.062	0	0	0	0	0	0	XM_982545	PREDICTED: dachsous 1 (Drosophila) (Dchs1), mRNA.	Mme-M400001936	ILMN_2699513	0	0
229459	Dchs2	0.110	0.074	0.041	0	0	0	0	0	0	XM_143371	PREDICTED: dachsous 2 (Drosophila) (Dchs2), mRNA.	Mme-M400001601	ILMN_1214525	0	0
13178	Dck	-0.771	0.006	-0.146	-1	0	0	0	0	0	NM_007832	deoxycytidine kinase (Dck), mRNA.	Mme-M300006637	ILMN_1227664	0	0
13175	Dclk1	0.447	0.000	-0.052	0	0	0	0	0	0	NM_001111051	doublecortin-like kinase 1 (Dclk1), transcript variant 2, mRNA.	Mme-M300005785	ILMN_1217517	0	0
70762	Dclk2	-0.026	0.024	-0.111	0	0	0	0	0	0	NM_027539	doublecortin-like kinase 2 (Dclk2), mRNA.	Mme-M200014100	ILMN_2990152	0	0
245038	Dclk3	0.194	-0.088	-0.005	0	0	0	0	0	0	NM_172928	doublecortin-like kinase 3 (Dclk3), mRNA.	Mme-M300008283	ILMN_1245352	0	0
55947	Dclre1a	0.039	-0.007	0.050	0	0	0	0	0	0	NM_018831	DNA cross-link repair 1A, PSO2 homolog (S. cerevisiae) (Dclre1a), mRNA.	Mme-M200001061	ILMN_2753242	0	0
140917	Dclre1b	0.097	-0.040	-0.070	0	0	0	0	0	0	NM_001025312	DNA cross-link repair 1B, PSO2 homolog (S. cerevisiae) (Dclre1b), transcript variant 2, mRNA.	Mme-M400011822	ILMN_1255335	0	0
227525	Dclre1c	-0.017	-0.036	0.073	0	0	0	0	0	0	NM_146114	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae) (Dclre1c), transcript variant 1, mRNA.	Mme-M400011930	ILMN_1240123	0	0
13179	Dcn	0.052	-0.115	-0.030	0	0	0	0	0	0	NM_007833	decorin (Dcn), mRNA.	Mme-M200000752	ILMN_2596346	0	0
75901	Dcp1a	0.000	-0.210	-0.132	0	0	0	0	0	0	NM_133761	DCP1 decapping enzyme homolog A (S. cerevisiae) (Dcp1a), mRNA.	Mme-M200011685	ILMN_2697060	0	0
319618	Dcp1b	0.167	-0.108	-0.214	0	0	0	0	0	0	NM_001033379	DCP1 decapping enzyme homolog b (S. cerevisiae) (Dcp1b), mRNA.	Mme-M300013191	ILMN_3062378	0	0
13184	Dcpp1	0.118	-0.108	0.185	0	0	0	0	0	0	NM_019910	demilune cell and parotid protein 1 (Dcpp1), mRNA.	Mme-M400007623	ILMN_2633688	0	0
69305	Dcps	0.177	0.180	-0.158	0	0	0	0	0	0	NM_027030	decapping enzyme, scavenger (Dcps), mRNA.	Mme-M200004287	ILMN_2838199	0	0
75766	Dcstamp	-0.123	0.003	0.081	0	0	0	0	0	0	NM_029422	transmembrane 7 superfamily member 4 (Tm7sf4), mRNA.	Mme-M200011031	ILMN_1231166	0	0
13190	Dct	0.241	-0.247	-0.119	0	0	0	0	0	0	NM_010024	dopachrome tautomerase (Dct), mRNA.	Mme-M200003799	ILMN_1251894	0	0
320685	Dctd	0.057	-0.010	0.080	0	0	0	0	0	0	NM_178788	dCMP deaminase (Dctd), mRNA.	Mme-M300007781	ILMN_1241225	0	0
13191	Dctn1	-0.077	0.030	-0.216	0	0	0	0	0	0	NM_007835	dynactin 1 (Dctn1), mRNA.	Mme-M200002453	ILMN_2691157	0	0
69654	Dctn2	0.055	0.241	0.054	0	0	0	0	0	0	NM_027151	dynactin 2 (Dctn2), mRNA.	Mme-M200004443	ILMN_2859659	0	0
53598	Dctn3	0.088	-0.009	-0.108	0	0	0	0	0	0	NM_016890	dynactin 3 (Dctn3), mRNA.	Mme-M200006282	ILMN_1227925	0	0
67665	Dctn4	0.095	-0.058	0.069	0	0	0	0	0	0	NM_026302	dynactin 4 (Dctn4), mRNA.	Mme-M200015503	ILMN_2630293	0	0
59288	Dctn5	0.265	0.198	0.039	0	0	0	0	0	0	NM_021608	dynactin 5 (Dctn5), mRNA.	Mme-M200005488	ILMN_2732536	0	0
22428	Dctn6	0.098	0.012	-0.101	0	0	0	0	0	0	NM_011722	dynactin 6 (Dctn6), mRNA.	Mme-M400011162	ILMN_1233586	0	0
66422	Dctpp1	0.369	-0.005	-0.161	0	0	0	0	0	0	NM_023203	RIKEN cDNA 2410015N17 gene (2410015N17Rik), mRNA.	Mme-M200006716	ILMN_1228334	0	0
114893	Dcun1d1	0.038	-0.176	0.138	0	0	0	0	0	0	NM_033623	DCUN1D1 DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae) (Dcun1d1), mRNA.	Mme-M400011755	ILMN_1222165	0	0
233805	Dcun1d3	-0.246	0.090	-0.075	0	0	0	0	0	0	NM_173408	DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae) (Dcun1d3), mRNA.	Mme-M300019564	ILMN_2901402	0	0
100737	Dcun1d4	-0.091	-0.155	-0.058	0	0	0	0	0	0	NM_178896	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae) (Dcun1d4), mRNA.	Mme-M400003858	ILMN_1259737	0	0
76863	Dcun1d5	0.167	-0.113	0.090	0	0	0	0	0	0	NM_029775	DCN1, defective in cullin neddylation 1, domain containing 5 (S. cerevisiae) (Dcun1d5), mRNA.	Mme-M300008019	ILMN_1238285	0	0
13193	Dcx	-0.220	0.101	-0.159	0	0	0	0	0	0	NM_010025	doublecortin (Dcx), transcript variant 4, mRNA.	Mme-M200003157	ILMN_1228206	0	0
67880	Dcxr	0.171	-0.088	-0.033	0	0	0	0	0	0	NM_026428	dicarbonyl L-xylulose reductase (Dcxr), mRNA.	Mme-M200006364	ILMN_2868280	0	0
69219	Ddah1	0.222	-0.004	-0.100	0	0	0	0	0	0	NM_026993	dimethylarginine dimethylaminohydrolase 1 (Ddah1), mRNA.	Mme-M200006893	ILMN_1256676	0	0
51793	Ddah2	-0.037	-0.092	-0.078	0	0	0	0	0	0	NM_016765	dimethylarginine dimethylaminohydrolase 2 (Ddah2), mRNA.	Mme-M200000598	ILMN_2770183	0	0
13194	Ddb1	0.295	0.026	-0.222	0	0	0	0	0	0	NM_015735	damage specific DNA binding protein 1 (Ddb1), mRNA.	Mme-M200006568	ILMN_2620930	0	0
107986	Ddb2	0.222	0.056	0.162	0	0	0	0	0	0	NM_028119	damage specific DNA binding protein 2 (Ddb2), mRNA.	Mme-M300000281	ILMN_2621160	0	0
13195	Ddc	-0.072	0.140	0.026	0	0	0	0	0	0	NM_016672	dopa decarboxylase (Ddc), mRNA.	Mme-M200003183	ILMN_2628647	0	0
114874	Ddhd1	-0.122	-0.017	-0.025	0	0	0	0	0	0	NM_001039106	DDHD domain containing 1 (Ddhd1), transcript variant 1, mRNA.	Mme-M200004988	ILMN_3163148	0	0
71829	Ddi1	0.049	0.079	-0.020	0	0	0	0	0	0	NM_027942	DDI1, DNA-damage inducible 1, homolog 1 (S. cerevisiae) (Ddi1), mRNA.	Mme-M400003324	ILMN_1235402	0	0
74041	Ddias	0.035	-0.099	-0.103	0	0	0	0	0	0	NM_001080995	RIKEN cDNA 4632434I11 gene (4632434I11Rik), mRNA.	Mme-M200005278	ILMN_2660829	0	0
13198	Ddit3	0.392	0.226	-0.100	0	0	0	0	0	0	NM_007837	DNA-damage inducible transcript 3 (Ddit3), mRNA.	Mme-M400000828	ILMN_2652909	0	0
74747	Ddit4	-0.330	-0.051	-0.300	0	0	0	0	0	0	NM_029083	DNA-damage-inducible transcript 4 (Ddit4), mRNA.	Mme-M200004194	ILMN_2993109	0	0
73284	Ddit4l	1.427	0.337	-0.284	1	0	0	1	0	0	NM_030143	DNA-damage-inducible transcript 4-like (Ddit4l), mRNA.	Mme-M300017694	ILMN_2695819	1	0
13199	Ddn	0.082	-0.066	-0.026	0	0	0	0	0	0	NM_001013741	dendrin (Ddn), mRNA.	Mme-M300000951	ILMN_2440740	0	0
70503	Ddo	0.177	-0.205	-0.121	0	0	0	0	0	0	NM_027442	D-aspartate oxidase (Ddo), mRNA.	Mme-M300001853	ILMN_2808191	0	0
13200	Ddost	0.544	0.147	0.076	0	0	0	0	0	0	NM_007838	dolichyl-di-phosphooligosaccharide-protein glycotransferase (Ddost), mRNA.	Mme-M300006266	ILMN_2941677	0	0
12305	Ddr1	0.075	-0.030	-0.152	0	0	0	0	0	0	NM_172962	discoidin domain receptor family, member 1 (Ddr1), transcript variant 2, mRNA.	Mme-M400000075	ILMN_2713898	0	0
18214	Ddr2	0.222	-0.138	0.099	0	0	0	0	0	0	NM_022563	discoidin domain receptor family, member 2 (Ddr2), mRNA.	Mme-M200002082	ILMN_2446405	0	0
77006	Ddrgk1	0.065	0.070	-0.164	0	0	0	0	0	0	NM_029832	RIKEN cDNA 2600009E05 gene (2600009E05Rik), mRNA.	Mme-M400012967	ILMN_2615854	0	0
13202	Ddt	0.111	-0.122	-0.034	0	0	0	0	0	0	NM_010027	D-dopachrome tautomerase (Ddt), mRNA.	Mme-M200002268	ILMN_2596297	0	0
104721	Ddx1	0.237	0.198	0.230	0	0	0	0	0	0	NM_134040	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 (Ddx1), mRNA.	Mme-M200000675	ILMN_1257962	0	0
320209	Ddx11	-0.008	0.038	0.093	0	0	0	0	0	0	NM_001003919	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, S. cerevisiae) (Ddx11), mRNA.	Mme-M300010110	ILMN_2700550	0	0
67040	Ddx17	-0.128	0.054	0.035	0	0	0	0	0	0	NM_152806	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17 (Ddx17), transcript variant 3, mRNA.	Mme-M200012005	ILMN_1234672	0	0
66942	Ddx18	-0.257	0.097	-0.078	0	0	0	0	0	0	NM_025860	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 (Ddx18), mRNA.	Mme-M300000224	ILMN_1246999	0	0
13680	Ddx19a	-0.003	0.082	-0.193	0	0	0	0	0	0	NM_007916	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19a (Ddx19a), mRNA.	Mme-M400010780	ILMN_1233412	0	0
234733	Ddx19b	-0.232	-0.173	0.148	0	0	0	0	0	0	NM_172284	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19b (Ddx19b), mRNA.	Mme-M400013492	ILMN_2688135	0	0
56200	Ddx21	0.178	-0.045	0.102	0	0	0	0	0	0	NM_019553	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 (Ddx21), mRNA.	Mme-M300001988	ILMN_2546724	0	0
27225	Ddx24	0.231	0.121	-0.312	0	0	-1	0	0	0	NM_020494	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24 (Ddx24), mRNA.	Mme-M200001513	ILMN_2747381	0	0
30959	Ddx25	0.089	-0.040	-0.138	0	0	0	0	0	0	NM_013932	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25 (Ddx25), mRNA.	Mme-M200014176	ILMN_1237338	0	0
236790	Ddx26b	0.102	-0.128	-0.110	0	0	0	0	0	0	NM_172779	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B (Ddx26b), mRNA.	Mme-M300010177	ILMN_1224487	0	0
228889	Ddx27	0.031	-0.084	-0.112	0	0	0	0	0	0	NM_153065	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 (Ddx27), mRNA.	Mme-M200012931	ILMN_2507890	0	0
71986	Ddx28	0.146	0.017	0.085	0	0	0	0	0	0	NM_028038	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28 (Ddx28), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007197	ILMN_1259277	0	0
227674	Ddx31	0.084	0.031	0.075	0	0	0	0	0	0	NM_001033294	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31 (Ddx31), mRNA.	Mme-M300005295	ILMN_1242905	0	0
68278	Ddx39	0.067	-0.008	-0.103	0	0	0	0	0	0	NM_197982	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 (Ddx39), mRNA.	Mme-M300001786	ILMN_1213524	0	0
53817	Ddx39b	0.273	0.122	-0.129	0	0	0	0	0	0	NM_019693	HLA-B-associated transcript 1A (Bat1a), mRNA.	Mme-M200006824	ILMN_2670895	0	0
13205	Ddx3x	0.259	-0.147	0.102	0	0	0	0	0	0	NM_010028	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked (Ddx3x), mRNA.	Mme-M400007261	ILMN_2710166	0	0
26900	Ddx3y	0.008	-0.248	0.201	0	0	0	0	0	0	NM_012008	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked (Ddx3y), mRNA.	Mme-M400001455	ILMN_2899599	0	0
13206	Ddx4	-0.395	0.143	-0.060	0	0	0	0	0	0	NM_010029	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4 (Ddx4), mRNA.	Mme-M300002935	ILMN_2827588	0	0
72935	Ddx41	-0.214	0.177	-0.062	0	0	0	0	0	0	NM_134059	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41 (Ddx41), mRNA.	Mme-M200013062	ILMN_1224598	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
72047	Ddx42	-0.019	0.076	-0.002	0	0	0	0	0	0	NM_028074	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42 (Ddx42), mRNA.	Mme-M200013562	ILMN_2597441	0	0
212880	Ddx46	0.320	-0.126	0.096	0	0	0	0	0	0	NM_145975	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 (Ddx46), mRNA.	Mme-M300002788	ILMN_2657734	0	0
67755	Ddx47	0.097	0.190	0.096	0	0	0	0	0	0	NM_026360	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 (Ddx47), mRNA.	Mme-M200005635	ILMN_1236898	0	0
234374	Ddx49	-0.083	0.098	-0.147	0	0	0	0	0	0	NM_001024922	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49 (Ddx49), mRNA.	Mme-M300000442	ILMN_2801380	0	0
13207	Ddx5	0.157	0.155	-0.105	0	0	0	0	0	0	NM_007840	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 (Ddx5), mRNA.	Mme-M400000414	ILMN_1215167	0	0
94213	Ddx50	0.323	-0.140	-0.090	0	0	0	0	0	0	NM_053183	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 (Ddx50), mRNA.	Mme-M200008795	ILMN_2957605	0	0
69663	Ddx51	0.024	0.078	-0.048	0	0	0	0	0	0	NM_027156	DEAD (Asp-Glu-Ala-Asp) box polypeptide 51 (Ddx51), mRNA.	Mme-M200002228	ILMN_2936936	0	0
78394	Ddx52	0.108	-0.214	0.160	0	0	0	0	0	0	NM_030096	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52 (Ddx52), mRNA.	Mme-M300002324	ILMN_2725504	0	0
71990	Ddx54	-0.161	0.062	-0.063	0	0	0	0	0	0	NM_028041	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 (Ddx54), mRNA.	Mme-M200004908	ILMN_2689678	0	0
52513	Ddx56	0.147	0.096	-0.039	0	0	0	0	0	0	NM_026538	DEAD (Asp-Glu-Ala-Asp) box polypeptide 56 (Ddx56), mRNA.	Mme-M200006667	ILMN_2723217	0	0
230073	Ddx58	0.217	0.228	0.290	0	0	0	0	0	0	NM_172689	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (Ddx58), mRNA.	Mme-M400012237	ILMN_2717127	0	0
67997	Ddx59	-0.105	-0.023	0.023	0	0	0	0	0	0	NM_178052	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59 (Ddx59), transcript variant 2, mRNA.	Mme-M400012450	ILMN_2699356	0	0
13209	Ddx6	0.277	-0.210	0.872	0	0	1	0	0	0	NM_007841	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 (Ddx6), transcript variant 3, mRNA.	Mme-M400014568	ILMN_2606667	1	0
234311	Ddx60	-0.407	-0.097	0.242	0	0	0	0	0	0	NM_001081215	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (Ddx60), mRNA.	Mme-M400004025	ILMN_1228399	0	0
54006	Deaf1	0.041	0.056	0.136	0	0	0	0	0	0	NM_016874	deformed epidermal autoregulatory factor 1 (Drosophila) (Deaf1), mRNA.	Mme-M200005980	ILMN_1244521	0	0
26901	Deb1	0.299	-0.074	-0.062	0	0	0	0	0	0	NM_026794	differentially expressed in B16F10 1 (Deb1), mRNA.	Mme-M400001473	ILMN_2652971	0	0
67460	Decr1	0.110	-0.211	-0.113	0	0	0	0	0	0	NM_026172	2,4-dienoyl CoA reductase 1, mitochondrial (Decr1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004880	ILMN_1235374	0	0
26378	Decr2	0.165	-0.113	-0.170	0	0	0	0	0	0	NM_011933	2-4-dienoyl-Coenzyme A reductase 2, peroxisomal (Decr2), mRNA.	Mme-M200007806	ILMN_2705849	0	0
21945	Dedd	-0.207	0.025	-0.097	0	0	0	0	0	0	NM_011615	death effector domain-containing (Dedd), mRNA.	Mme-M200012060	ILMN_2514451	0	0
67379	Dedd2	0.162	-0.226	-0.070	0	0	0	0	0	0	NM_207677	death effector domain-containing DNA binding protein 2 (Dedd2), mRNA.	Mme-M400012664	ILMN_1223015	0	0
23853	Def6	0.058	0.085	-0.011	0	0	0	0	0	0	NM_027185	differentially expressed in FDCP 6 (Def6), mRNA.	Mme-M200015055	ILMN_2595842	0	0
23854	Def8	0.167	-0.067	0.077	0	0	0	0	0	0	NM_054046	differentially expressed in FDCP 8 (Def8), mRNA.	Mme-M200014032	ILMN_2680662	0	0
13216	Defa1	-0.291	-0.145	0.038	0	0	0	0	0	0	NM_010031	defensin, alpha 1 (Defa1), mRNA.	Mme-M400005520	ILMN_2731509	0	0
68009	Defa20	-0.352	-0.069	-0.047	0	0	0	0	0	0	NM_183268	defensin related cryptdin 20 (Defcr20), mRNA.	Mme-M400009672	ILMN_2675560	0	0
66298	Defa21	0.009	0.057	0.010	0	0	0	0	0	0	NM_183253	defensin related cryptdin 21 (Defcr21), mRNA.	Mme-M400008121	ILMN_2943256	0	0
382059	Defa22	-0.147	0.009	-0.022	0	0	0	0	0	0	NM_207658	defensin related cryptdin 22 (Defcr22), mRNA.	Mme-M400012662	ILMN_2732519	0	0
626708	Defa26	-0.207	0.135	0.024	0	0	0	0	0	0	NM_001079933	defensin related cryptdin 26 (Defcr26), mRNA.	Mme-M400006685	ILMN_2938932	0	0
13237	Defa3	-0.080	-0.064	0.050	0	0	0	0	0	0	NM_007850	defensin related cryptdin 3 (Defcr3), mRNA.	Mme-M400010768	ILMN_2691897	0	0
13238	Defa4	-0.159	0.094	-0.071	0	0	0	0	0	0	NM_010039	defensin related cryptdin 4 (Defcr4), mRNA.	Mme-M400011000	ILMN_2524846	0	0
13239	Defa5	0.067	-0.018	-0.010	0	0	0	0	0	0	NM_007851	defensin related cryptdin 5 (Defcr5), mRNA.	Mme-M400010769	ILMN_2890534	0	0
13240	Defa6	-0.045	-0.079	0.071	0	0	0	0	0	0	NM_007852	defensin related cryptdin 6 (Defcr6), mRNA.	Mme-M400010770	ILMN_2642565	0	0
13218	Defa-rs1	-0.186	0.126	-0.041	0	0	0	0	0	0	NM_007844	defensin related sequence cryptdin peptide (paneth cells) (Defcr-rs1), mRNA.	Mme-M400007610	ILMN_2993174	0	0
13221	Defa-rs12	-0.025	0.112	-0.091	0	0	0	0	0	0	NM_007846	defensin related cryptdin, related sequence 12 (Defcr-rs12), mRNA.	Mme-M400010765	ILMN_2718782	0	0
13222	Defa-rs2	-0.094	0.112	-0.038	0	0	0	0	0	0	NM_007847	defensin related cryptdin, related sequence 2 (Defcr-rs2), mRNA.	Mme-M400010766	ILMN_1231270	0	0
13226	Defa-rs7	-0.313	-0.089	0.092	0	0	0	0	0	0	NM_007848	defensin related cryptdin, related sequence 7 (Defcr-rs7), mRNA.	Mme-M400010767	ILMN_2607813	0	0
13214	Defb1	0.038	-0.023	-0.183	0	0	0	0	0	0	NM_007843	defensin beta 1 (Defb1), mRNA.	Mme-M200002244	ILMN_2804685	0	0
246085	Defb10	-0.379	0.017	-0.088	0	0	0	0	0	0	NM_139225	defensin beta 10 (Defb10), mRNA.	Mme-M400002940	ILMN_2701460	0	0
246081	Defb11	-0.206	-0.056	-0.108	0	0	0	0	0	0	NM_139221	defensin beta 11 (Defb11), mRNA.	Mme-M400003016	ILMN_2599861	0	0
77674	Defb12	-0.023	0.029	0.099	0	0	0	0	0	0	NM_152802	defensin beta 12 (Defb12), mRNA.	Mme-M300014849	ILMN_2977605	0	0
246083	Defb13	-0.002	-0.027	0.060	0	0	0	0	0	0	NM_139223	defensin beta 13 (Defb13), mRNA.	Mme-M300015251	ILMN_1239958	0	0
244332	Defb14	-0.159	-0.005	-0.058	0	0	0	0	0	0	NM_183026	defensin beta 14 (Defb14), mRNA.	Mme-M300017268	ILMN_3161733	0	0
246082	Defb15	0.052	-0.089	-0.081	0	0	0	0	0	0	NM_139222	defensin beta 15 (Defb15), mRNA.	Mme-M300019295	ILMN_2968390	0	0
246700	Defb19	-0.064	0.002	0.043	0	0	0	0	0	0	NM_145157	defensin beta 19 (Defb19), mRNA.	Mme-M300021323	ILMN_2742279	0	0
13215	Defb2	-0.424	0.030	0.015	0	0	0	0	0	0	NM_010030	defensin beta 2 (Defb2), mRNA.	Mme-M200013821	ILMN_2692412	0	0
319579	Defb20	-0.075	-0.018	-0.054	0	0	0	0	0	0	NM_176950	defensin beta 20 (Defb20), mRNA.	Mme-M300020299	ILMN_1239050	0	0
403172	Defb21	-0.238	-0.029	0.009	0	0	0	0	0	0	NM_207276	defensin beta 21 (Defb21), mRNA.	Mme-M400005540	ILMN_2684681	0	0
442835	Defb22	0.029	-0.049	0.084	0	0	0	0	0	0	NM_001002791	defensin beta 22 (Defb22), mRNA.	Mme-M300005652	ILMN_2831391	0	0
629114	Defb23	0.017	-0.023	0.094	0	0	0	0	0	0	NM_001037933	defensin beta 23 (Defb23), mRNA.	Mme-M400001482	ILMN_3160185	0	0
75400	Defb29	0.557	0.065	-0.035	0	0	0	0	0	0	NM_001001444	defensin beta 29 (Defb29), mRNA.	Mme-M300015277	ILMN_2802487	0	0
360211	Defb34	-0.265	0.008	0.060	0	0	0	0	0	0	NM_183035	defensin beta 34 (Defb34), mRNA.	Mme-M400004167	ILMN_1232368	0	0
246084	Defb35	-0.213	0.148	0.129	0	0	0	0	0	0	NM_139224	defensin beta 35 (Defb35), mRNA.	Mme-M400006163	ILMN_2698231	0	0
266620	Defb36	-0.069	0.090	-0.081	0	0	0	0	0	0	NM_001037247	defensin beta 36 (Defb36), mRNA.	Mme-M300015851	ILMN_2702382	0	0
353320	Defb37	-0.244	-0.056	-0.130	0	0	0	0	0	0	NM_181683	defensin beta 37 (Defb37), mRNA.	Mme-M400004554	ILMN_2770363	0	0
360212	Defb38	-0.067	0.089	-0.017	0	0	0	0	0	0	NM_183036	defensin beta 38 (Defb38), mRNA.	Mme-M400004586	ILMN_1260230	0	0
360214	Defb39	0.110	0.013	0.033	0	0	0	0	0	0	NM_183038	defensin beta 39 (Defb39), mRNA.	Mme-M400007561	ILMN_2774388	0	0
56519	Defb4	-0.205	0.011	-0.090	0	0	0	0	0	0	NM_019728	defensin beta 4 (Defb4), mRNA.	Mme-M200014229	ILMN_2705918	0	0
360217	Defb40	-0.180	-0.095	0.061	0	0	0	0	0	0	NM_183039	defensin beta 40 (Defb40), mRNA.	Mme-M400012532	ILMN_2643867	0	0
77673	Defb41	-0.226	0.018	0.025	0	0	0	0	0	0	NM_183124	defensin beta 41 (Defb41), mRNA.	Mme-M400012539	ILMN_1229247	0	0
619548	Defb42	-0.228	0.146	-0.034	0	0	0	0	0	0	NM_001034910	defensin beta 42 (Defb42), mRNA.	Mme-M400004933	ILMN_2876755	0	0
433490	Defb45	0.035	0.031	0.007	0	0	0	0	0	0	NM_001037752	predicted gene, OTTMUSG00000015859 (OTTMUSG00000015859), mRNA.	Mme-M400007691	ILMN_3162301	0	0
81007	Defb5	-0.130	-0.051	0.003	0	0	0	0	0	0	NM_030734	defensin beta 5 (Defb5), mRNA.	Mme-M400002293	ILMN_1232541	0	0
387334	Defb50	-0.015	0.063	-0.048	0	0	0	0	0	0	NM_199067	defensin beta 50 (Defb50), mRNA.	Mme-M400006393	ILMN_1251718	0	0
116746	Defb6	-0.050	0.045	0.077	0	0	0	0	0	0	NM_054074	defensin beta 6 (Defb6), mRNA.	Mme-M200012744	ILMN_2854934	0	0
246080	Defb7	0.032	-0.010	0.078	0	0	0	0	0	0	NM_139220	defensin beta 7 (Defb7), mRNA.	Mme-M400002055	ILMN_2693059	0	0
244334	Defb8	-0.010	-0.047	0.063	0	0	0	0	0	0	NM_153108	defensin beta 8 (Defb8), mRNA.	Mme-M400001373	ILMN_2814551	0	0
246079	Defb9	-0.043	0.104	0.027	0	0	0	0	0	0	NM_139219	defensin beta 9 (Defb9), mRNA.	Mme-M300018235	ILMN_2680517	0	0
13244	Degs1	0.136	-0.114	0.048	0	0	0	0	0	0	NM_007853	degenerative spermatocyte homolog 1 (Drosophila) (Degs1), mRNA.	Mme-M200006582	ILMN_2709470	0	0
70059	Degs2	-0.024	-0.054	0.057	0	0	0	0	0	0	NM_027299	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase (Degs2), mRNA.	Mme-M200002486	ILMN_2696173	0	0
110052	Dek	0.299	-0.163	0.507	0	0	1	0	0	0	NM_025900	DEK oncogene (DNA binding) (Dek), mRNA.	Mme-M200005955	ILMN_2617496	1	0
227801	Dennd1a	0.151	-0.018	-0.011	0	0	0	0	0	0	NM_146122	DENN/MADD domain containing 1A (Dennd1a), mRNA.	Mme-M200008233	ILMN_2713879	0	0
329260	Dennd1b	0.039	0.023	-0.089	0	0	0	0	0	0	NM_181347	DENN/MADD domain containing 1B (Dennd1b), transcript variant 1, mRNA.	Mme-M400006242	ILMN_2995646	0	0
70785	Dennd1c	0.078	0.344	0.404	0	0	1	0	0	0	NM_153551	DENN/MADD domain containing 1C (Dennd1c), mRNA.	Mme-M300000328	ILMN_2672353	0	0
209773	Dennd2a	0.073	0.006	-0.097	0	0	0	0	0	0	NM_172477	DENN/MADD domain containing 2A (Dennd2a), mRNA.	Mme-M400002137	ILMN_2697361	0	0
329727	Dennd2c	-0.174	-0.004	-0.018	0	0	0	0	0	0	NM_177857	DENN/MADD domain containing 2C (Dennd2c), mRNA.	Mme-M300000895	ILMN_2620799	0	0
72121	Dennd2d	0.004	0.056	0.218	0	0	0	0	0	0	NM_028110	DENN/MADD domain containing 2D (Dennd2d), transcript variant 1, mRNA.	Mme-M200006969	ILMN_2657682	0	0
105841	Dennd3	0.303	-0.071	-0.036	0	0	0	0	0	0	NM_001081066	DENN/MADD domain containing 3 (Dennd3), mRNA.	Mme-M300010485	ILMN_1224129	0	0
102442	Dennd4a	-0.056	-0.146	0.106	0	0	0	0	0	0	XM_001480590	PREDICTED: expressed sequence AI115600 (AI115600), mRNA.	Mme-M300009951	ILMN_2590456	0	0
229541	Dennd4b	0.082	0.326	-0.081	0	0	0	0	0	0	NM_201407	DENN/MADD domain containing 4B (Dennd4b), mRNA.	Mme-M400002621	ILMN_1223090	0	0
329877	Dennd4c	0.007	-0.080	-0.076	0	0	0	0	0	0	NM_001081014	DENN/MADD domain containing 4C (Dennd4c), mRNA.	Mme-M300011300	ILMN_2935307	0	0
19347	Dennd5a	0.157	0.197	0.135	0	0	0	0	0	0	NM_021494	Rab6 interacting protein 1 (Rab6ip1), mRNA.	Mme-M200004246	ILMN_3107607	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
320560	Dennd5b	-0.095	0.050	-0.081	0	0	0	0	0	0	NM_177192	RIKEN cDNA D030011O10 gene (D030011O10Rik), mRNA.	Mme-M400001249	ILMN_2700354	0	0
69440	Dennd6b	0.051	0.179	0.002	0	0	0	0	0	0	NM_027081	RIKEN cDNA 1700027J05 gene (1700027J05Rik), mRNA.	Mme-M200007504	ILMN_2671266	0	0
68184	Denr	0.009	-0.071	-0.102	0	0	0	0	0	0	NM_026603	density-regulated protein (Denr), mRNA.	Mme-M200006061	ILMN_1227602	0	0
76131	Depdc1a	-0.279	-0.127	0.106	0	0	0	0	0	0	NM_029523	DEP domain containing 1a (Depdc1a), mRNA.	Mme-M200014582	ILMN_2740917	0	0
218581	Depdc1b	0.081	-0.043	0.099	0	0	0	0	0	0	NM_178683	DEP domain containing 1B (Depdc1b), mRNA.	Mme-M300002898	ILMN_2628708	0	0
277854	Depdc5	0.070	0.113	0.053	0	0	0	0	0	0	NM_177786	DEP domain containing 5 (Depdc5), mRNA.	Mme-M400009343	ILMN_1235098	0	0
211896	Depdc7	-0.141	-0.033	-0.008	0	0	0	0	0	0	NM_144804	DEP domain containing 7 (Depdc7), mRNA.	Mme-M200012087	ILMN_2643470	0	0
97998	Deptor	0.009	-0.125	-0.064	0	0	0	0	0	0	NM_001037937	DEP domain containing 6 (Depdc6), transcript variant 2, mRNA.	Mme-M200009641	ILMN_3162536	0	0
232449	Dera	0.008	0.016	-0.071	0	0	0	0	0	0	NM_172733	2-deoxyribose-5-phosphate aldolase homolog (C. elegans) (Dera), mRNA.	Mme-M400001239	ILMN_1227366	0	0
67819	Derl1	0.157	0.030	-0.140	0	0	0	0	0	0	NM_024207	Der1-like domain family, member 1 (Derl1), mRNA.	Mme-M200004197	ILMN_1217892	0	0
116891	Derl2	0.227	-0.096	-0.082	0	0	0	0	0	0	NM_033562	Der1-like domain family, member 2 (Derl2), mRNA.	Mme-M300001678	ILMN_2685124	0	0
70377	Derl3	-0.247	0.064	0.062	0	0	0	0	0	0	NM_024440	Der1-like domain family, member 3 (Derl3), mRNA.	Mme-M400011464	ILMN_1234931	0	0
13346	Des	1.911	0.281	-0.426	1	0	-1	1	0	-1	NM_010043	desmin (Des), mRNA.	Mme-M200002416	ILMN_2836982	1	1
28075	Desi1	0.308	-0.292	0.036	0	0	0	0	0	0	NM_134095	DNA segment, Chr 15, Wayne State University 75, expressed (D15Wsu75e), mRNA.	Mme-M200004295	ILMN_2794686	0	0
78825	Desi2	0.188	-0.105	0.028	0	0	0	0	0	0	NM_024282	RIKEN cDNA 5830417C01 gene (5830417C01Rik), mRNA.	Mme-M200005307	ILMN_2741738	0	0
76375	Det1	-0.102	0.047	-0.033	0	0	0	0	0	0	NM_029585	de-etiolated homolog 1 (Arabidopsis) (Det1), mRNA.	Mme-M200003783	ILMN_2708546	0	0
58239	Dexi	-0.023	-0.277	0.079	0	0	0	0	0	0	NM_021428	dexamethasone-induced transcript (Dexi), mRNA.	Mme-M200008360	ILMN_2623929	0	0
13347	Dffa	-0.221	-0.033	0.110	0	0	0	0	0	0	NM_001025296	DNA fragmentation factor, alpha subunit (Dffa), transcript variant 1, mRNA.	Mme-M300006404	ILMN_1255527	0	0
13368	Dffb	-0.032	0.014	-0.068	0	0	0	0	0	0	NM_007859	DNA fragmentation factor, beta subunit (Dffb), mRNA.	Mme-M200015715	ILMN_2608441	0	0
54722	Dfna5	-0.074	-0.078	0.052	0	0	0	0	0	0	NM_018769	deafness, autosomal dominant 5 homolog (human) (Dfna5h), mRNA.	Mme-M200003913	ILMN_2652482	0	0
13350	Dgat1	0.173	-0.037	-0.024	0	0	0	0	0	0	NM_010046	diacylglycerol O-acyltransferase 1 (Dgat1), mRNA.	Mme-M300003367	ILMN_2807284	0	0
67800	Dgat2	0.076	0.311	-0.365	0	0	-1	0	0	0	NM_026384	diacylglycerol O-acyltransferase 2 (Dgat2), mRNA.	Mme-M200011933	ILMN_1219915	0	0
668257	Dgat2l6	-0.384	-1.075	0.039	0	-1	0	0	-1	0	NM_001114084	diacylglycerol O-acyltransferase 2-like 6 (Dgat2l6), mRNA.	Mme-M400000236	ILMN_1219762	0	1
27886	Dgcr14	0.125	0.154	-0.101	0	0	0	0	0	0	NM_001081633	expressed sequence 2 embryonic lethal (Es2el), transcript variant 2, mRNA.	Mme-M200002861	ILMN_2686472	0	0
13356	Dgcr2	-0.007	-0.091	-0.204	0	0	0	0	0	0	NM_001109750	DiGeorge syndrome critical region gene 2 (Dgcr2), transcript variant 2, mRNA.	Mme-M400012860	ILMN_1237230	0	0
13353	Dgcr6	0.131	-0.151	-0.100	0	0	0	0	0	0	NM_010047	DiGeorge syndrome critical region gene 6 (Dgcr6), mRNA.	Mme-M200005442	ILMN_2967294	0	0
94223	Dgcr8	0.031	0.044	-0.175	0	0	0	0	0	0	NM_033324	DiGeorge syndrome critical region gene 8 (Dgcr8), mRNA.	Mme-M200009901	ILMN_1226133	0	0
13139	Dgka	-0.107	0.226	0.077	0	0	0	0	0	0	NM_016811	diacylglycerol kinase, alpha (Dgka), mRNA.	Mme-M200003798	ILMN_2940446	0	0
217480	Dgkb	-0.279	-0.068	0.185	0	0	0	0	0	0	NM_178681	diacylglycerol kinase, beta (Dgkb), mRNA.	Mme-M300010234	ILMN_2856771	0	0
56077	Dgke	0.005	0.009	-0.042	0	0	0	0	0	0	NM_019505	diacylglycerol kinase, epsilon (Dgke), mRNA.	Mme-M200009690	ILMN_2658108	0	0
110197	Dgkg	-0.220	0.188	-0.191	0	0	0	0	0	0	NM_138650	diacylglycerol kinase, gamma (Dgkg), mRNA.	Mme-M400008992	ILMN_1237518	0	0
380921	Dgkh	-0.289	0.022	-0.125	0	0	0	0	0	0	NM_001081336	diacylglycerol kinase, eta (Dgkh), mRNA.	Mme-M400001732	ILMN_3101919	0	0
320127	Dgki	-0.294	-0.124	-0.155	0	0	0	0	0	0	NM_001081206	diacylglycerol kinase, iota (Dgki), mRNA.	Mme-M300011696	ILMN_3127016	0	0
331374	Dgkk	-0.100	-0.037	-0.045	0	0	0	0	0	0	NM_177914	diacylglycerol kinase kappa (Dgkk), mRNA.	Mme-M300012316	ILMN_1222879	0	0
110524	Dgkq	-0.040	-0.120	0.062	0	0	0	0	0	0	NM_199011	diacylglycerol kinase, theta (Dgkq), mRNA.	Mme-M300000607	ILMN_2646438	0	0
104418	Dgkz	-0.039	0.233	-0.222	0	0	0	0	0	0	NM_138306	diacylglycerol kinase zeta (Dgkz), mRNA.	Mme-M200013096	ILMN_2915059	0	0
27369	Dguok	0.309	0.069	-0.093	0	0	0	0	0	0	NM_013764	deoxyguanosine kinase (Dguok), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013939	ILMN_1252649	0	0
74754	Dhcr24	-0.065	-0.254	-0.122	0	0	0	0	0	0	NM_053272	24-dehydrocholesterol reductase (Dhcr24), mRNA.	Mme-M200003437	ILMN_2620106	0	0
13360	Dhcr7	-0.425	0.177	0.030	0	0	0	0	0	0	NM_007856	7-dehydrocholesterol reductase (Dhcr7), mRNA.	Mme-M400001334	ILMN_2660471	0	0
67422	Dhdds	0.151	0.211	-0.110	0	0	0	0	0	0	NM_026144	dehydrodolichyl diphosphate synthase (Dhdds), mRNA.	Mme-M200008395	ILMN_2637850	0	0
71755	Dhdh	-0.014	0.102	0.537	0	0	1	0	0	1	NM_027903	dihydrodiol dehydrogenase (dimeric) (Dhdh), mRNA.	Mme-M200007515	ILMN_1234086	1	0
13361	Dhfr	0.279	-0.175	0.099	0	0	0	0	0	0	NM_010049	dihydrofolate reductase (Dhfr), mRNA.	Mme-M300002915	ILMN_1255201	0	0
13363	Dhh	-0.176	-0.046	0.101	0	0	0	0	0	0	NM_007857	desert hedgehog (Dhh), mRNA.	Mme-M200015281	ILMN_2595664	0	0
56749	Dhodh	-0.041	0.058	-0.081	0	0	0	0	0	0	NM_020046	dihydroorotate dehydrogenase (Dhodh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004719	ILMN_1244112	0	0
330817	Dhps	-0.070	0.069	-0.048	0	0	0	0	0	0	NM_001039514	deoxyhypusine synthase (Dhps), mRNA.	Mme-M300000640	ILMN_2637241	0	0
52585	Dhrs1	-0.009	0.119	-0.085	0	0	0	0	0	0	NM_026819	dehydrogenase/reductase (SDR family) member 1 (Dhrs1), mRNA.	Mme-M200004176	ILMN_2639397	0	0
192970	Dhrs11	0.010	0.016	-0.085	0	0	0	0	0	0	NM_177564	cDNA sequence BC022224 (BC022224), mRNA.	Mme-M200012220	ILMN_2746830	0	0
70451	Dhrs13	-0.482	-0.089	-0.020	0	0	0	0	0	0	NM_183286	dehydrogenase/reductase (SDR family) member 13 (Dhrs13), mRNA.	Mme-M200005426	ILMN_2770270	0	0
71412	Dhrs2	-0.205	0.046	0.080	0	0	0	0	0	0	NM_027790	dehydrogenase/reductase member 2 (Dhrs2), mRNA.	Mme-M400000549	ILMN_2639136	0	0
20148	Dhrs3	-0.224	-0.132	0.004	0	0	0	0	0	0	NM_011303	dehydrogenase/reductase (SDR family) member 3 (Dhrs3), mRNA.	Mme-M400011124	ILMN_2759095	0	0
28200	Dhrs4	0.232	-0.019	-0.136	0	0	0	0	0	0	NM_001037938	dehydrogenase/reductase (SDR family) member 4 (Dhrs4), transcript variant 1, mRNA.	Mme-M300003143	ILMN_2477326	0	0
66375	Dhrs7	0.114	-0.073	0.079	0	0	0	0	0	0	NM_025522	dehydrogenase/reductase (SDR family) member 7 (Dhrs7), mRNA.	Mme-M400000439	ILMN_2747820	0	0
216820	Dhrs7b	-0.011	-0.041	-0.106	0	0	0	0	0	0	NM_145428	dehydrogenase/reductase (SDR family) member 7B (Dhrs7b), mRNA.	Mme-M200004137	ILMN_3114114	0	0
68460	Dhrs7c	0.852	0.631	-0.058	1	1	0	0	1	0	NM_001013013	dehydrogenase/reductase (SDR family) member 7C (Dhrs7c), mRNA.	Mme-M400001526	ILMN_2731035	1	0
241452	Dhrs9	-0.036	-0.103	-0.085	0	0	0	0	0	0	NM_175512	dehydrogenase/reductase (SDR family) member 9 (Dhrs9), mRNA.	Mme-M300005452	ILMN_2631251	0	0
236082	Dhrsx	-0.002	-0.269	0.032	0	0	0	0	0	0	NM_001033326	dehydrogenase/reductase (SDR family) X chromosome (Dhrsx), mRNA.	Mme-M400008461	ILMN_1221451	0	0
209692	Dhtkd1	-0.212	0.006	-0.016	0	0	0	0	0	0	NM_001081131	dehydrogenase E1 and transketolase domain containing 1 (Dhtkd1), mRNA.	Mme-M300004789	ILMN_3101289	0	0
13204	Dhx15	0.269	-0.132	-0.029	0	0	0	0	0	0	NM_007839	DEAH (Asp-Glu-Ala-His) box polypeptide 15 (Dhx15), transcript variant 2, mRNA.	Mme-M300006528	ILMN_3145527	0	0
69192	Dhx16	0.227	0.031	0.017	0	0	0	0	0	0	NM_026987	DEAH (Asp-Glu-Ala-His) box polypeptide 16 (Dhx16), mRNA.	Mme-M400011589	ILMN_2677016	0	0
218629	Dhx29	0.093	0.078	0.081	0	0	0	0	0	0	NM_172594	DEAH (Asp-Glu-Ala-His) box polypeptide 29 (Dhx29), mRNA.	Mme-M300013686	ILMN_2892376	0	0
72831	Dhx30	0.214	-0.086	-0.051	0	0	0	0	0	0	NM_133347	DEAH (Asp-Glu-Ala-His) box polypeptide 30 (Dhx30), mRNA.	Mme-M400011807	ILMN_1233008	0	0
101437	Dhx32	0.121	-0.284	-0.044	0	0	0	0	0	0	NM_133941	DEAH (Asp-Glu-Ala-His) box polypeptide 32 (Dhx32), mRNA.	Mme-M200009603	ILMN_1255076	0	0
216877	Dhx33	0.232	-0.076	0.006	0	0	0	0	0	0	NM_178367	DEAH (Asp-Glu-Ala-His) box polypeptide 33 (Dhx33), mRNA.	Mme-M200014155	ILMN_2600202	0	0
71723	Dhx34	-0.203	-0.143	-0.082	0	0	0	0	0	0	NM_027883	DEAH (Asp-Glu-Ala-His) box polypeptide 34 (Dhx34), mRNA.	Mme-M300000746	ILMN_1242021	0	0
71715	Dhx35	0.043	0.115	0.091	0	0	0	0	0	0	NM_145742	DEAH (Asp-Glu-Ala-His) box polypeptide 35 (Dhx35), mRNA.	Mme-M200014225	ILMN_2727142	0	0
72162	Dhx36	0.123	0.018	0.004	0	0	0	0	0	0	NM_028136	DEAH (Asp-Glu-Ala-His) box polypeptide 36 (Dhx36), mRNA.	Mme-M200007500	ILMN_2665870	0	0
208144	Dhx37	0.021	0.064	-0.017	0	0	0	0	0	0	NM_203319	DEAH (Asp-Glu-Ala-His) box polypeptide 37 (Dhx37), mRNA.	Mme-M300006700	ILMN_2677379	0	0
64340	Dhx38	0.043	-0.044	-0.055	0	0	0	0	0	0	NM_178380	DEAH (Asp-Glu-Ala-His) box polypeptide 38 (Dhx38), mRNA.	Mme-M200011691	ILMN_3161767	0	0
67487	Dhx40	0.167	-0.099	-0.045	0	0	0	0	0	0	NM_026191	DEAH (Asp-Glu-Ala-His) box polypeptide 40 (Dhx40), mRNA.	Mme-M200001076	ILMN_1248825	0	0
106794	Dhx57	-0.164	0.056	-0.195	0	0	0	0	0	0	NM_198942	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57 (Dhx57), mRNA.	Mme-M300009325	ILMN_1229304	0	0
80861	Dhx58	-0.055	0.483	0.173	0	1	0	0	0	0	NM_030150	DEXH (Asp-Glu-X-His) box polypeptide 58 (Dhx58), mRNA.	Mme-M300001612	ILMN_2646834	0	0
217207	Dhx8	0.078	-0.014	-0.020	0	0	0	0	0	0	NM_144831	DEAH (Asp-Glu-Ala-His) box polypeptide 8 (Dhx8), mRNA.	Mme-M200005871	ILMN_2601823	0	0
13211	Dhx9	0.444	0.260	0.183	0	0	0	0	0	0	NM_007842	DEAH (Asp-Glu-Ala-His) box polypeptide 9 (Dhx9), mRNA.	Mme-M200003801	ILMN_2629748	0	0
66593	Diablo	-0.102	-0.081	-0.066	0	0	0	0	0	0	NM_023232	diablo homolog (Drosophila) (Diablo), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014589	ILMN_1221981	0	0
13367	Diap1	0.066	-0.034	-0.045	0	0	0	0	0	0	NM_007858	diaphanous homolog 1 (Drosophila) (Diap1), mRNA.	Mme-M200001268	ILMN_2641541	0	0
56419	Diap3	-0.014	0.004	-0.013	0	0	0	0	0	0	NM_019670	diaphanous homolog 3 (Drosophila) (Diap3), mRNA.	Mme-M200005820	ILMN_2606436	0	0
192119	Dicer1	-0.017	-0.060	-0.019	0	0	0	0	0	0	NM_148948	Dicer1, Dcr-1 homolog (Drosophila) (Dicer1), mRNA.	Mme-M400012950	ILMN_2483253	0	0
23856	Dido1	0.150	0.036	-0.132	0	0	0	0	0	0	NM_177852	death inducer-obliterator 1 (Dido1), transcript variant 2, mRNA.	Mme-M200011849	ILMN_1257214	0	0
215193	Diexf	0.031	-0.131	0.095	0	0	0	0	0	0	NM_145415	expressed sequence AA408296 (AA408296), mRNA.	Mme-M200007120	ILMN_2738031	0	0
66254	Dimt1	0.160	0.014	-0.060	0	0	0	0	0	0	NM_025447	DIM1 dimethyladenosine transferase 1-like (S. cerevisiae) (Dimt1), mRNA.	Mme-M400000501	ILMN_2734408	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13370	Dio1	-0.279	0.051	-0.024	0	0	0	0	0	0	NM_007860	deiodinase, iodothyronine, type I (Dio1), mRNA.	Mme-M300009540	ILMN_2772070	0	0
13371	Dio2	0.451	0.047	-0.085	0	0	0	0	0	0	NM_010050	deiodinase, iodothyronine, type II (Dio2), mRNA.	Mme-M300000916	ILMN_2766037	0	0
107585	Dio3	-0.434	0.060	-0.060	0	0	0	0	0	0	NM_172119	deiodinase, iodothyronine type III (Dio3), mRNA.	Mme-M300019209	ILMN_1221784	0	0
353504	Dio3os	-0.135	-0.019	-0.021	0	0	0	0	0	0	NR_002866	deiodinase, iodothyronine type III, opposite strand (Dio3os) on chromosome 12.	Mme-M400002795	ILMN_1251089	0	0
64451	Dip2a	0.019	0.082	0.063	0	0	0	0	0	0	NM_001081419	DIP2 disco-interacting protein 2 homolog A (Drosophila) (Dip2a), mRNA.	Mme-M200007331	ILMN_2566438	0	0
239667	Dip2b	-0.089	0.084	-0.110	0	0	0	0	0	0	NM_172819	DIP2 disco-interacting protein 2 homolog B (Drosophila) (Dip2b), mRNA.	Mme-M400000635	ILMN_2611098	0	0
208440	Dip2c	-0.241	-0.115	0.039	0	0	0	0	0	0	NM_001081426	DIP2 disco-interacting protein 2 homolog C (Drosophila) (Dip2c), mRNA.	Mme-M400009962	ILMN_1254384	0	0
208666	Diras1	-0.330	-0.109	-0.022	0	0	0	0	0	0	NM_145217	DIRAS family, GTP-binding RAS-like 1 (Diras1), mRNA.	Mme-M300014735	ILMN_1220054	0	0
68203	Diras2	0.260	0.099	-0.018	0	0	0	0	0	0	NM_001024474	DIRAS family, GTP-binding RAS-like 2 (Diras2), mRNA.	Mme-M400015054	ILMN_2505845	0	0
224132	Dirc2	0.268	-0.161	-0.017	0	0	0	0	0	0	NM_153550	disrupted in renal carcinoma 2 (human) (Dirc2), mRNA.	Mme-M300003555	ILMN_1224927	0	0
72662	Dis3	0.205	-0.138	0.022	0	0	0	0	0	0	NM_028315	DIS3 mitotic control homolog (S. cerevisiae) (Dis3), mRNA.	Mme-M300008620	ILMN_1233613	0	0
213550	Dis3l	-0.012	-0.121	-0.098	0	0	0	0	0	0	NM_172519	DIS3 mitotic control homolog (S. cerevisiae)-like (Dis3l), transcript variant 2, mRNA.	Mme-M300008240	ILMN_1227726	0	0
208718	Dis3l2	-0.083	0.181	0.086	0	0	0	0	0	0	NM_153530	DIS3 mitotic control homolog (S. cerevisiae)-like 2 (Dis3l2), mRNA.	Mme-M400004433	ILMN_2592496	0	0
244667	Disc1	-0.553	0.081	0.051	0	0	0	0	0	0	NM_174853	disrupted in schizophrenia 1 (Disc1), transcript variant 2, mRNA.	Mme-M300014137	ILMN_3118664	0	0
68897	Disp1	0.138	-0.257	-0.041	0	0	0	0	0	0	NM_026866	dispatched homolog 1 (Drosophila) (Disp1), mRNA.	Mme-M400001308	ILMN_2772288	0	0
214240	Disp2	0.100	-0.060	-0.061	0	0	0	0	0	0	NM_170593	dispatched homolog 2 (Drosophila) (Disp2), mRNA.	Mme-M300012495	ILMN_1254036	0	0
330938	Dixdc1	-0.119	0.049	0.063	0	0	0	0	0	0	NM_178118	DIX domain containing 1 (Dixdc1), mRNA.	Mme-M300008053	ILMN_2665301	0	0
245474	Dkc1	0.225	-0.057	-0.031	0	0	0	0	0	0	NM_001030307	dyskeratosis congenita 1, dyskerin homolog (human) (Dkc1), mRNA.	Mme-M300007701	ILMN_2992965	0	0
13380	Dkk1	-0.360	-0.090	-0.017	0	0	0	0	0	0	NM_010051	dickkopf homolog 1 (Xenopus laevis) (Dkk1), mRNA.	Mme-M200002614	ILMN_2747037	0	0
56811	Dkk2	0.030	-0.075	-0.006	0	0	0	0	0	0	NM_020265	dickkopf homolog 2 (Xenopus laevis) (Dkk2), mRNA.	Mme-M200008552	ILMN_2770400	0	0
50781	Dkk3	-0.075	0.320	0.077	0	0	0	0	0	0	NM_015814	dickkopf homolog 3 (Xenopus laevis) (Dkk3), mRNA.	Mme-M200014790	ILMN_2852957	0	0
234130	Dkk4	0.046	-0.012	0.057	0	0	0	0	0	0	NM_145592	dickkopf homolog 4 (Xenopus laevis) (Dkk4), mRNA.	Mme-M200009921	ILMN_2741421	0	0
50722	Dkkl1	0.382	-0.080	0.094	0	0	0	0	0	0	NM_015789	dickkopf-like 1 (Dkkl1), mRNA.	Mme-M200005492	ILMN_2823612	0	0
235339	Dlat	0.043	-0.111	0.157	0	0	0	0	0	0	NM_145614	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex) (Dlat), mRNA.	Mme-M300000032	ILMN_2757993	0	0
50768	Dlc1	-0.261	0.246	-0.109	0	0	0	0	0	0	NM_015802	deleted in liver cancer 1 (Dlc1), mRNA.	Mme-M200008590	ILMN_1227039	0	0
13382	Dld	0.103	-0.032	0.226	0	0	0	0	0	0	NM_007861	dihydrolipoamide dehydrogenase (Dld), mRNA.	Mme-M200001205	ILMN_2703657	0	0
320256	Dlec1	-0.329	0.062	0.017	0	0	0	0	0	0	XM_486268	PREDICTED: deleted in lung and esophageal cancer 1, transcript variant 1 (Dlec1), mRNA.	Mme-M400002095	ILMN_2727768	0	0
239133	Dleu7	0.068	-0.134	0.194	0	0	0	0	0	0	NM_173419	deleted in lymphocytic leukemia, 7 (Dleu7), mRNA.	Mme-M300019095	ILMN_1226662	0	0
13383	Dlg1	0.189	-0.037	-0.024	0	0	0	0	0	0	NM_007862	discs, large homolog 1 (Drosophila) (Dlg1), mRNA.	Mme-M300003491	ILMN_2763839	0	0
23859	Dlg2	0.136	0.239	0.041	0	0	0	0	0	0	NM_011807	discs, large homolog 2 (Drosophila) (Dlg2), mRNA.	Mme-M400011171	ILMN_2518284	0	0
53310	Dlg3	0.548	0.078	0.080	0	0	0	0	0	0	NM_016747	discs, large homolog 3 (Drosophila) (Dlg3), mRNA.	Mme-M200001841	ILMN_2993836	0	0
13385	Dlg4	0.088	0.315	-0.139	0	0	0	0	0	0	NM_001109752	discs, large homolog 4 (Drosophila) (Dlg4), transcript variant 2, mRNA.	Mme-M400010772	ILMN_2710764	0	0
71228	Dlg5	-0.256	-0.183	0.041	0	0	0	0	0	0	XM_907765	PREDICTED: discs, large homolog 5 (Drosophila), transcript variant 1 (Dlg5), mRNA.	Mme-M400002210	ILMN_1253986	0	0
244310	Dlgap2	0.061	0.160	-0.118	0	0	0	0	0	0	NM_172910	discs, large (Drosophila) homolog-associated protein 2 (Dlgap2), mRNA.	Mme-M300018336	ILMN_2937484	0	0
242667	Dlgap3	0.058	0.082	-0.154	0	0	0	0	0	0	NM_198618	discs, large (Drosophila) homolog-associated protein 3 (Dlgap3), mRNA.	Mme-M300013661	ILMN_1257751	0	0
228836	Dlgap4	0.076	0.259	-0.177	0	0	0	0	0	0	NM_001042488	discs, large homolog-associated protein 4 (Drosophila) (Dlgap4), transcript variant 3, mRNA.	Mme-M300016425	ILMN_1220861	0	0
218977	Dlgap5	0.023	0.110	0.065	0	0	0	0	0	0	NM_144553	discs, large homolog 7 (Drosophila) (Dlg7), mRNA.	Mme-M300010990	ILMN_1244797	0	0
13386	Dlk1	1.204	0.113	-0.430	1	0	-1	1	0	-1	NM_010052	delta-like 1 homolog (Drosophila) (Dlk1), mRNA.	Mme-M400002449	ILMN_1244618	1	1
106565	Dlk2	-0.245	0.260	0.026	0	0	0	0	0	0	NM_207666	delta-like 2 homolog (Drosophila) (Dlk2), mRNA.	Mme-M400003306	ILMN_2699621	0	0
13388	Dll1	0.060	0.172	-0.084	0	0	0	0	0	0	NM_007865	delta-like 1 (Drosophila) (Dll1), mRNA.	Mme-M200002010	ILMN_2721188	0	0
13389	Dll3	0.054	0.060	0.045	0	0	0	0	0	0	NM_007866	delta-like 3 (Drosophila) (Dll3), mRNA.	Mme-M200003176	ILMN_2643777	0	0
54485	Dll4	0.086	-0.047	-0.034	0	0	0	0	0	0	NM_019454	delta-like 4 (Drosophila) (Dll4), mRNA.	Mme-M300005577	ILMN_1250828	0	0
78920	Dlst	0.091	0.179	-0.076	0	0	0	0	0	0	NM_030225	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) (Dlst), mRNA.	Mme-M200005966	ILMN_1237507	0	0
13390	Dlx1	0.048	0.637	0.017	0	1	0	0	1	0	NM_010053	distal-less homeobox 1 (Dlx1), mRNA.	Mme-M200001802	ILMN_2800505	1	0
13392	Dlx2	-0.260	0.130	-0.101	0	0	0	0	0	0	NM_010054	distal-less homeobox 2 (Dlx2), mRNA.	Mme-M200001491	ILMN_2860959	0	0
13393	Dlx3	-0.163	0.196	0.070	0	0	0	0	0	0	NM_010055	distal-less homeobox 3 (Dlx3), mRNA.	Mme-M300000200	ILMN_2675833	0	0
13394	Dlx4	-0.563	-0.075	-0.019	0	0	0	0	0	0	NM_007867	distal-less homeobox 4 (Dlx4), mRNA.	Mme-M200002187	ILMN_1248903	0	0
13395	Dlx5	-0.077	0.040	0.022	0	0	0	0	0	0	NM_198854	distal-less homeobox 5 (Dlx5), transcript variant 2, mRNA.	Mme-M400012589	ILMN_2755371	0	0
13396	Dlx6	-0.106	0.140	0.023	0	0	0	0	0	0	NM_010057	distal-less homeobox 6 (Dlx6), mRNA.	Mme-M400001195	ILMN_1213404	0	0
66233	Dmap1	-0.132	-0.081	-0.079	0	0	0	0	0	0	NM_023178	DNA methyltransferase 1-associated protein 1 (Dmap1), mRNA.	Mme-M300001061	ILMN_2663674	0	0
12945	Dmbt1	0.319	-0.115	0.342	0	0	1	0	0	0	NM_007769	deleted in malignant brain tumors 1 (Dmbt1), mRNA.	Mme-M300018357	ILMN_2629239	0	0
140477	Dmbx1	0.035	-0.070	0.041	0	0	0	0	0	0	NM_001025567	diencephalon/mesencephalon homeobox 1 (Dmbx1), transcript variant 2, mRNA.	Mme-M300006245	ILMN_2603750	0	0
13404	Dmc1	-0.176	0.068	-0.119	0	0	0	0	0	0	NM_010059	DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)disrupted meiot	Mme-M200000947	ILMN_2661384	0	0
13405	Dmd	-0.013	0.068	0.087	0	0	0	0	0	0	NM_007868	dystrophin, muscular dystrophy (Dmd), mRNA.	Mme-M300004455	ILMN_2540166	0	0
74129	Dmgdh	-0.268	0.052	0.030	0	0	0	0	0	0	NM_028772	dimethylglycine dehydrogenase precursor (Dmgdh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004219	ILMN_1247352	0	0
73712	Dmkn	-0.372	-0.166	-0.102	0	0	0	0	0	0	NM_028618	dermokine (Dmkn), transcript variant 1, mRNA.	Mme-M300010488	ILMN_3105563	0	0
13406	Dmp1	-0.131	0.070	-0.026	0	0	0	0	0	0	NM_016779	dentin matrix protein 1 (Dmp1), mRNA.	Mme-M200002637	ILMN_2671225	0	0
13400	Dmpk	0.468	-0.013	-0.045	0	0	0	0	0	0	NM_032418	dystrophia myotonica-protein kinase (Dmpk), mRNA.	Mme-M400011730	ILMN_1229944	0	0
50796	Dmrt1	0.126	0.036	-0.080	0	0	0	0	0	0	NM_015826	doublesex and mab-3 related transcription factor 1 (Dmrt1), mRNA.	Mme-M200015967	ILMN_2733843	0	0
226049	Dmrt2	-0.017	0.012	-0.051	0	0	0	0	0	0	NM_145831	doublesex and mab-3 related transcription factor 2 (Dmrt2), mRNA.	Mme-M300018962	ILMN_1227296	0	0
240590	Dmrt3	-0.094	-0.032	-0.010	0	0	0	0	0	0	NM_177360	doublesex and mab-3 related transcription factor 3 (Dmrt3), mRNA.	Mme-M300013655	ILMN_1230366	0	0
242523	Dmrta1	0.178	-0.024	-0.049	0	0	0	0	0	0	NM_175647	doublesex and mab-3 related transcription factor like family A1 (Dmrta1), mRNA.	Mme-M300014815	ILMN_2712159	0	0
242620	Dmrta2	0.487	-0.153	-0.508	0	0	-1	0	0	-1	NM_172296	doublesex and mab-3 related transcription factor like family A2 (Dmrta2), mRNA.	Mme-M400003259	ILMN_1243528	0	1
56296	Dmrtb1	-0.331	0.024	-0.009	0	0	0	0	0	0	XM_205469	PREDICTED: DMRT-like family B with proline-rich C-terminal, 1 (Dmrtb1), mRNA.	Mme-M400010336	ILMN_1214473	0	0
71241	Dmrtc2	-0.085	0.028	-0.090	0	0	0	0	0	0	NM_027732	doublesex and mab-3 related transcription factor like family C2 (Dmrtc2), mRNA.	Mme-M200015190	ILMN_1214790	0	0
23857	Dmtf1	0.100	-0.014	-0.030	0	0	0	0	0	0	NM_011806	cyclin D binding myb-like transcription factor 1 (Dmtf1), transcript variant 1, mRNA.	Mme-M400009329	ILMN_2725672	0	0
13829	Dmtn	0.112	0.244	0.038	0	0	0	0	0	0	NM_013514	erythrocyte protein band 4.9 (Epb4.9), mRNA.	Mme-M300003092	ILMN_2860699	0	0
13401	Dmwd	-0.095	-0.082	-0.102	0	0	0	0	0	0	NM_010058	dystrophia myotonica-containing WD repeat motif (Dmwd), mRNA.	Mme-M300007196	ILMN_2914010	0	0
240283	Dmxl1	0.188	0.051	-0.088	0	0	0	0	0	0	NM_001081371	Dmx-like 1 (Dmxl1), mRNA.	Mme-M300019508	ILMN_1220838	0	0
327762	Dna2	-0.002	0.046	-0.043	0	0	0	0	0	0	NM_177372	DNA replication helicase 2 homolog (yeast) (Dna2), mRNA.	Mme-M400000360	ILMN_2729224	0	0
68270	Dnaaf1	0.310	-0.032	-0.080	0	0	0	0	0	0	NM_026648	leucine rich repeat containing 50 (Lrrc50), mRNA.	Mme-M400001409	ILMN_2845744	0	0
109065	Dnaaf2	0.184	0.123	0.084	0	0	0	0	0	0	NM_027269	RIKEN cDNA 1110034A24 gene (1110034A24Rik), mRNA.	Mme-M300002492	ILMN_2972929	0	0
436022	Dnaaf3	-0.117	0.328	0.160	0	0	0	0	0	0	NM_001033548	RIKEN cDNA 6030429G01 gene (6030429G01Rik), mRNA.	Mme-M400005302	ILMN_2959253	0	0
110084	Dnah1	-0.463	0.166	-0.165	0	0	0	0	0	0	XM_918655	PREDICTED: dynein, axonemal, heavy chain 1 (Dnahc1), mRNA.	Mme-M300013579	ILMN_2671128	0	0
56087	Dnah10	-0.363	-0.012	-0.050	0	0	0	0	0	0	XM_915600	PREDICTED: dynein, axonemal, heavy chain 10 (Dnahc10), mRNA.	Mme-M400002089	ILMN_1253279	0	0
13411	Dnah11	0.118	0.119	0.026	0	0	0	0	0	0	NM_010060	dynein, axonemal, heavy chain 11 (Dnahc11), mRNA.	Mme-M400000297	ILMN_2967671	0	0
110083	Dnah12	-0.188	0.104	0.031	0	0	0	0	0	0	XM_976110	PREDICTED: dynein, axonemal, heavy chain 7c (Dnahc7c), mRNA.	Mme-M400008601	ILMN_1259834	0	0
240960	Dnah14	0.152	-0.105	0.005	0	0	0	0	0	0	NM_172846	dynein, axonemal, heavy chain 14 (Dnahc14), mRNA.	Mme-M300018215	ILMN_1218082	0	0
69926	Dnah17	-0.160	0.022	0.018	0	0	0	0	0	0	XM_126677	PREDICTED: dynein, axonemal, heavy chain 17 (Dnahc17), mRNA.	Mme-M300001694	ILMN_2524817	0	0
110082	Dnah5	0.062	0.003	-0.026	0	0	0	0	0	0	NM_133365	dynein, axonemal, heavy chain 5 (Dnahc5), mRNA.	Mme-M200013194	ILMN_1236101	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
330355	Dnah6	-0.253	0.045	0.034	0	0	0	0	0	0	XM_913416	PREDICTED: dynein, axonemal, heavy chain 6 (Dnahc6), mRNA.	Mme-M400004943	ILMN_2714713	0	0
627872	Dnah7a	-0.093	0.034	0.000	0	0	0	0	0	0	XM_355197	PREDICTED: dynein, axonemal, heavy chain 7 (Dnahc7), mRNA.	Mme-M400015425	ILMN_2526204	0	0
13417	Dnah8	-0.173	0.080	0.024	0	0	0	0	0	0	NM_013811	dynein, axonemal, heavy chain 8 (Dnahc8), mRNA.	Mme-M400005086	ILMN_2602341	0	0
327954	Dnahc2	-0.263	-0.168	-0.178	0	0	0	0	0	0	NM_001081330	dynein, axonemal, heavy chain 2 (Dnahc2), mRNA.	Mme-M400003138	ILMN_2743932	0	0
381917	Dnahc3	-0.103	0.125	0.071	0	0	0	0	0	0	XM_355934	PREDICTED: dynein, axonemal, heavy chain 3 (Dnahc3), mRNA.	Mme-M400004705	ILMN_2535036	0	0
237806	Dnahc9	-0.354	-0.043	-0.162	0	0	0	0	0	0	NM_001099633	dynein, axonemal, heavy chain 9 (Dnahc9), mRNA.	Mme-M400005594	ILMN_2630138	0	0
68922	Dnaic1	-0.278	0.219	-0.154	0	0	0	0	0	0	NM_175138	dynein, axonemal, intermediate chain 1 (Dnaic1), mRNA.	Mme-M300010260	ILMN_2694884	0	0
432611	Dnaic2	0.045	0.108	-0.118	0	0	0	0	0	0	NM_001034878	dynein, axonemal, intermediate chain 2 (Dnaic2), mRNA.	Mme-M400009914	ILMN_1258216	0	0
15502	Dnaja1	-0.083	-0.068	-0.060	0	0	0	0	0	0	NM_008298	DnaJ (Hsp40) homolog, subfamily A, member 1 (Dnaja1), mRNA.	Mme-M200005745	ILMN_2800446	0	0
56445	Dnaja2	-0.091	-0.142	0.056	0	0	0	0	0	0	NM_019794	DnaJ (Hsp40) homolog, subfamily A, member 2 (Dnaja2), mRNA.	Mme-M300007855	ILMN_2720580	0	0
83945	Dnaja3	0.121	-0.007	-0.014	0	0	0	0	0	0	NM_023646	DnaJ (Hsp40) homolog, subfamily A, member 3 (Dnaja3), mRNA.	Mme-M200005946	ILMN_1215738	0	0
58233	Dnaja4	0.010	-0.010	0.028	0	0	0	0	0	0	NM_021422	DnaJ (Hsp40) homolog, subfamily A, member 4 (Dnaja4), mRNA.	Mme-M200014731	ILMN_2689986	0	0
81489	Dnajb1	0.008	-0.098	0.035	0	0	0	0	0	0	NM_018808	DnaJ (Hsp40) homolog, subfamily B, member 1 (Dnajb1), mRNA.	Mme-M200001141	ILMN_1240323	0	0
56709	Dnajb12	-0.082	-0.003	-0.003	0	0	0	0	0	0	NM_019965	DnaJ (Hsp40) homolog, subfamily B, member 12 (Dnajb12), mRNA.	Mme-M200008554	ILMN_2644621	0	0
69387	Dnajb13	0.232	-0.159	-0.030	0	0	0	0	0	0	NM_153527	DnaJ (Hsp40) related, subfamily B, member 13 (Dnajb13), mRNA.	Mme-M200015517	ILMN_2667257	0	0
70604	Dnajb14	0.154	0.015	-0.065	0	0	0	0	0	0	XM_924518	PREDICTED: DnaJ (Hsp40) homolog, subfamily B, member 14, transcript variant 8 (Dnajb14), mRNA.	Mme-M300005971	ILMN_2661062	0	0
56812	Dnajb2	0.060	-0.116	-0.184	0	0	0	0	0	0	NM_020266	DnaJ (Hsp40) homolog, subfamily B, member 10 (Dnajb10), transcript variant 1, mRNA.	Mme-M200008553	ILMN_2725428	0	0
15504	Dnajb3	0.056	-0.159	-0.081	0	0	0	0	0	0	NM_008299	DnaJ (Hsp40) homolog, subfamily B, member 3 (Dnajb3), mRNA.	Mme-M200001176	ILMN_2869728	0	0
67035	Dnajb4	-0.261	0.055	0.117	0	0	0	0	0	0	NM_025926	DnaJ (Hsp40) homolog, subfamily B, member 4 (Dnajb4), mRNA.	Mme-M200014597	ILMN_2614246	0	0
56323	Dnajb5	0.300	0.087	-0.068	0	0	0	0	0	0	NM_019874	DnaJ (Hsp40) homolog, subfamily B, member 5 (Dnajb5), mRNA.	Mme-M300010222	ILMN_2970436	0	0
23950	Dnajb6	0.152	0.183	-0.086	0	0	0	0	0	0	NM_011847	DnaJ (Hsp40) homolog, subfamily B, member 6 (Dnajb6), transcript variant 3, mRNA.	Mme-M300006511	ILMN_3107377	0	0
56691	Dnajb8	-0.288	0.109	0.007	0	0	0	0	0	0	NM_019964	DnaJ (Hsp40) homolog, subfamily B, member 8 (Dnajb8), mRNA.	Mme-M200003879	ILMN_1238080	0	0
27362	Dnajb9	0.487	-0.097	-0.060	0	0	0	0	0	0	NM_013760	DnaJ (Hsp40) homolog, subfamily B, member 9 (Dnajb9), mRNA.	Mme-M200005549	ILMN_2829636	0	0
13418	Dnajc1	0.118	0.024	0.050	0	0	0	0	0	0	NM_007869	DnaJ (Hsp40) homolog, subfamily C, member 1 (Dnajc1), mRNA.	Mme-M200003594	ILMN_1219284	0	0
66861	Dnajc10	-0.080	0.061	0.072	0	0	0	0	0	0	NM_024181	DnaJ (Hsp40) homolog, subfamily C, member 10 (Dnajc10), mRNA.	Mme-M300005432	ILMN_2483578	0	0
230935	Dnajc11	0.069	0.023	-0.040	0	0	0	0	0	0	NM_172704	DnaJ (Hsp40) homolog, subfamily C, member 11 (Dnajc11), mRNA.	Mme-M300012359	ILMN_2434811	0	0
30045	Dnajc12	-0.012	0.267	-0.111	0	0	0	0	0	0	NM_013888	DnaJ (Hsp40) homolog, subfamily C, member 12 (Dnajc12), mRNA.	Mme-M200007234	ILMN_2538061	0	0
74330	Dnajc14	0.211	-0.088	-0.042	0	0	0	0	0	0	NM_028873	DnaJ (Hsp40) homolog, subfamily C, member 14 (Dnajc14), mRNA.	Mme-M200007550	ILMN_2753843	0	0
66148	Dnajc15	0.265	0.031	-0.130	0	0	0	0	0	0	NM_025384	DnaJ (Hsp40) homolog, subfamily C, member 15 (Dnajc15), mRNA.	Mme-M200005658	ILMN_2813454	0	0
214063	Dnajc16	0.094	-0.216	0.089	0	0	0	0	0	0	NM_172338	DnaJ (Hsp40) homolog, subfamily C, member 16 (Dnajc16), mRNA.	Mme-M300012802	ILMN_1247873	0	0
69408	Dnajc17	-0.005	0.034	0.006	0	0	0	0	0	0	NM_139139	DnaJ (Hsp40) homolog, subfamily C, member 17 (Dnajc17), mRNA.	Mme-M400001677	ILMN_2708920	0	0
76594	Dnajc18	-0.112	-0.004	-0.014	0	0	0	0	0	0	NM_029669	DnaJ (Hsp40) homolog, subfamily C, member 18 (Dnajc18), mRNA.	Mme-M200008735	ILMN_2615369	0	0
67713	Dnajc19	0.227	-0.112	-0.144	0	0	0	0	0	0	NM_026332	DnaJ (Hsp40) homolog, subfamily C, member 19 (Dnajc19), transcript variant 1, mRNA.	Mme-M400005878	ILMN_3103439	0	0
22791	Dnajc2	0.121	0.236	0.077	0	0	0	0	0	0	NM_009584	DnaJ (Hsp40) homolog, subfamily C, member 2 (Dnajc2), mRNA.	Mme-M300006427	ILMN_1249242	0	0
99349	Dnajc24	0.052	-0.223	0.120	0	0	0	0	0	0	NM_026992	DPH4 homolog (JJJ3, S. cerevisiae) (Dph4), mRNA.	Mme-M200005170	ILMN_2839303	0	0
217378	Dnajc27	0.082	0.181	0.125	0	0	0	0	0	0	NM_153082	rab and DnaJ domain containing (Rbj), mRNA.	Mme-M300002310	ILMN_1234887	0	0
246738	Dnajc28	-0.135	-0.183	-0.091	0	0	0	0	0	0	NM_138664	open reading frame 28 (ORF28), transcript variant 2, mRNA.	Mme-M300012355	ILMN_1219898	0	0
100037258	Dnajc3	0.297	-0.246	0.021	0	0	0	0	0	0	NM_008929	DnaJ (Hsp40) homolog, subfamily C, member 3A (Dnajc3a), mRNA.	Mme-M400000542	ILMN_2775386	0	0
66114	Dnajc30	0.121	-0.067	-0.120	0	0	0	0	0	0	NM_025362	Williams-Beuren syndrome chromosome region 18 homolog (human) (Wbscr18), mRNA.	Mme-M200011848	ILMN_1246587	0	0
57431	Dnajc4	0.233	-0.224	-0.154	0	0	0	0	0	0	NM_020566	DnaJ (Hsp40) homolog, subfamily C, member 4 (Dnajc4), mRNA.	Mme-M200002976	ILMN_2646976	0	0
13002	Dnajc5	0.076	0.093	-0.148	0	0	0	0	0	0	NM_016775	DnaJ (Hsp40) homolog, subfamily C, member 5 (Dnajc5), mRNA.	Mme-M300000124	ILMN_2671708	0	0
66326	Dnajc5b	0.137	-0.132	0.167	0	0	0	0	0	0	NM_025489	DnaJ (Hsp40) homolog, subfamily C, member 5 beta (Dnajc5b), mRNA.	Mme-M200014297	ILMN_2619505	0	0
231098	Dnajc5g	0.112	-0.001	-0.004	0	0	0	0	0	0	NM_177677	DnaJ (Hsp40) homolog, subfamily C, member 5 gamma (Dnajc5g), mRNA.	Mme-M400004616	ILMN_2666340	0	0
72685	Dnajc6	-0.031	-0.091	-0.069	0	0	0	0	0	0	NM_198412	DnaJ (Hsp40) homolog, subfamily C, member 6 (Dnajc6), mRNA.	Mme-M300006139	ILMN_1230224	0	0
56354	Dnajc7	-0.018	0.060	-0.014	0	0	0	0	0	0	NM_019795	DnaJ (Hsp40) homolog, subfamily C, member 7 (Dnajc7), mRNA.	Mme-M200012554	ILMN_2694381	0	0
68598	Dnajc8	0.133	0.097	-0.021	0	0	0	0	0	0	NM_172400	DnaJ (Hsp40) homolog, subfamily C, member 8 (Dnajc8), mRNA.	Mme-M400004797	ILMN_2948465	0	0
108671	Dnajc9	0.140	0.026	0.107	0	0	0	0	0	0	NM_134081	DnaJ (Hsp40) homolog, subfamily C, member 9 (Dnajc9), mRNA.	Mme-M200001092	ILMN_1224989	0	0
105000	Dnal1	0.189	0.185	-0.041	0	0	0	0	0	0	NM_028821	dynein, axonemal, light chain 1 (Dnalc1), mRNA.	Mme-M400002644	ILMN_2535392	0	0
54152	Dnal4	-0.005	0.022	-0.026	0	0	0	0	0	0	NM_017470	dynein, axonemal, light chain 4 (Dnalc4), mRNA.	Mme-M200002592	ILMN_2686798	0	0
75563	Dnali1	-0.312	-0.133	-0.094	0	0	0	0	0	0	NM_175223	dynein, axonemal, light intermediate polypeptide 1 (Dnali1), mRNA.	Mme-M300013842	ILMN_1241955	0	0
13419	Dnase1	0.208	-0.072	-0.072	0	0	0	0	0	0	NM_010061	deoxyribonuclease I (Dnase1), mRNA.	Mme-M400000119	ILMN_2734251	0	0
69537	Dnase1l1	0.249	0.039	0.037	0	0	0	0	0	0	NM_027109	deoxyribonuclease 1-like 1 (Dnase1l1), mRNA.	Mme-M200003824	ILMN_1213982	0	0
66705	Dnase1l2	0.003	0.144	-0.104	0	0	0	0	0	0	NM_025718	deoxyribonuclease 1-like 2 (Dnase1l2), mRNA.	Mme-M200006279	ILMN_2627406	0	0
13421	Dnase1l3	0.003	0.565	0.110	0	1	0	0	1	0	NM_007870	deoxyribonuclease 1-like 3 (Dnase1l3), mRNA.	Mme-M200002912	ILMN_2667994	1	0
13423	Dnase2a	-0.170	-0.039	0.020	0	0	0	0	0	0	NM_010062	deoxyribonuclease II alpha (Dnase2a), mRNA.	Mme-M300000477	ILMN_2975892	0	0
56629	Dnase2b	-0.041	-0.063	-0.061	0	0	0	0	0	0	NM_019957	deoxyribonuclease II beta (Dnase2b), mRNA.	Mme-M200005218	ILMN_2603377	0	0
213236	Dnd1	-0.054	-0.139	-0.036	0	0	0	0	0	0	NM_173383	dead end homolog 1 (zebrafish) (Dnd1), mRNA.	Mme-M300015607	ILMN_2739675	0	0
227325	Dner	-0.061	-0.049	0.018	0	0	0	0	0	0	NM_152915	delta/notch-like EGF-related receptor (Dner), mRNA.	Mme-M200008159	ILMN_1243949	0	0
77505	Dnhd1	-0.449	-0.028	-0.043	0	0	0	0	0	0	XM_908793	PREDICTED: dynein heavy chain domain 1 (Dnhd1), mRNA.	Mme-M400010516	ILMN_1217520	0	0
13429	Dnm1	-0.200	-0.089	0.272	0	0	0	0	0	0	NM_010065	dynamin 1 (Dnm1), mRNA.	Mme-M300005307	ILMN_1214326	0	0
74006	Dnm1l	-0.084	-0.108	0.151	0	0	0	0	0	0	NM_001025947	dynamin 1-like (Dnm1l), transcript variant 2, mRNA.	Mme-M300003502	ILMN_2660267	0	0
71972	Dnmbp	-0.123	0.093	-0.049	0	0	0	0	0	0	NM_028029	dynamin binding protein (Dnmbp), mRNA.	Mme-M400000803	ILMN_1218651	0	0
13433	Dnmt1	0.270	-0.068	0.046	0	0	0	0	0	0	NM_010066	DNA methyltransferase (cytosine-5) 1 (Dnmt1), mRNA.	Mme-M300000514	ILMN_2720451	0	0
13435	Dnmt3a	0.130	-0.004	0.109	0	0	0	0	0	0	NM_007872	DNA methyltransferase 3A (Dnmt3a), transcript variant 1, mRNA.	Mme-M200002083	ILMN_1224446	0	0
13436	Dnmt3b	-0.159	-0.167	-0.055	0	0	0	0	0	0	NM_010068	DNA methyltransferase 3B (Dnmt3b), transcript variant 3, mRNA.	Mme-M200016018	ILMN_3114377	0	0
54427	Dnmt3l	-0.353	0.091	-0.046	0	0	0	0	0	0	NM_019448	DNA (cytosine-5-)-methyltransferase 3-like (Dnmt3l), transcript variant 1, mRNA.	Mme-M200003235	ILMN_1250149	0	0
381101	Dnph1	0.086	0.190	0.023	0	0	0	0	0	0	NM_207161	cDNA sequence BC048355 (BC048355), mRNA.	Mme-M400012630	ILMN_2676294	0	0
21673	Dntt	-0.152	-0.057	-0.020	0	0	0	0	0	0	NM_009345	deoxynucleotidyltransferase, terminal (Dntt), transcript variant 1, mRNA.	Mme-M300004431	ILMN_1232383	0	0
76233	Dnttip1	0.167	-0.128	-0.076	0	0	0	0	0	0	NM_133763	deoxynucleotidyltransferase, terminal, interacting protein 1 (Dnttip1), mRNA.	Mme-M400000268	ILMN_1256348	0	0
99480	Dnttip2	-0.149	-0.035	0.061	0	0	0	0	0	0	NM_153806	deoxynucleotidyltransferase, terminal, interacting protein 2 (Dnttip2), mRNA.	Mme-M200005914	ILMN_2695391	0	0
13446	Doc2a	0.077	0.009	0.006	0	0	0	0	0	0	NM_010069	double C2, alpha (Doc2a), mRNA.	Mme-M400004067	ILMN_2741828	0	0
13447	Doc2b	0.009	0.277	-0.080	0	0	0	0	0	0	NM_007873	double C2, beta (Doc2b), mRNA.	Mme-M200002172	ILMN_2736478	0	0
60425	Doc2g	-0.250	0.239	0.026	0	0	0	0	0	0	NM_021791	double C2, gamma (Doc2g), mRNA.	Mme-M200008256	ILMN_2704429	0	0
330662	Dock1	-0.101	0.033	-0.060	0	0	0	0	0	0	NM_001033420	dedicator of cytokinesis 1 (Dock1), mRNA.	Mme-M300007524	ILMN_2885196	0	0
75974	Dock11	-0.321	0.091	0.095	0	0	0	0	0	0	NM_001009947	dedicator of cytokinesis 11 (Dock11), mRNA.	Mme-M400001336	ILMN_2861406	0	0
208869	Dock3	-0.129	-0.072	-0.389	0	0	-1	0	0	0	NM_153413	dedicator of cyto-kinesis 3 (Dock3), mRNA.	Mme-M300012327	ILMN_2698381	0	0
238130	Dock4	-0.033	0.182	0.055	0	0	0	0	0	0	NM_172803	dedicator of cytokinesis 4 (Dock4), mRNA.	Mme-M300010170	ILMN_2870329	0	0
68813	Dock5	-0.360	-0.014	0.122	0	0	0	0	0	0	NM_177780	dedicator of cytokinesis 5 (Dock5), mRNA.	Mme-M400013022	ILMN_2460470	0	0
319899	Dock6	0.113	-0.210	0.147	0	0	0	0	0	0	NM_177030	dedicator of cytokinesis 6 (Dock6), mRNA.	Mme-M200016011	ILMN_2947994	0	0
67299	Dock7	-0.179	-0.088	0.104	0	0	0	0	0	0	NM_026082	dedicator of cytokinesis 7 (Dock7), mRNA.	Mme-M400003436	ILMN_1221901	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
76088	Dock8	-0.064	0.172	-0.092	0	0	0	0	0	0	NM_028785	dedicator of cytokinesis 8 (Dock8), mRNA.	Mme-M300004366	ILMN_1223407	0	0
105445	Dock9	0.004	0.031	-0.055	0	0	0	0	0	0	NM_001081039	dedicator of cytokinesis 9 (Dock9), mRNA.	Mme-M200004905	ILMN_2755167	0	0
13448	Dok1	0.176	0.238	0.117	0	0	0	0	0	0	NM_010070	docking protein 1 (Dok1), mRNA.	Mme-M200000056	ILMN_1242767	0	0
13449	Dok2	-0.203	0.395	0.394	0	0	1	0	0	0	NM_010071	docking protein 2 (Dok2), mRNA.	Mme-M200002995	ILMN_3160659	0	0
27261	Dok3	-0.365	0.015	0.053	0	0	0	0	0	0	NM_013739	docking protein 3 (Dok3), mRNA.	Mme-M200007444	ILMN_1258357	0	0
114255	Dok4	-0.097	-0.188	-0.200	0	0	0	0	0	0	NM_053246	docking protein 4 (Dok4), mRNA.	Mme-M200013028	ILMN_1241168	0	0
76829	Dok5	0.068	0.322	-0.051	0	0	0	0	0	0	NM_029761	docking protein 5 (Dok5), mRNA.	Mme-M200013678	ILMN_2615071	0	0
623279	Dok6	-0.108	-0.031	-0.118	0	0	0	0	0	0	NM_001039173	docking protein 6 (Dok6), mRNA.	Mme-M400000765	ILMN_3161911	0	0
231134	Dok7	-0.166	0.065	-0.130	0	0	0	0	0	0	NM_172708	docking protein 7 (Dok7), mRNA.	Mme-M300015715	ILMN_2712878	0	0
227697	Dolk	0.074	0.178	-0.007	0	0	0	0	0	0	NM_177648	dolichol kinase (Dolk), mRNA.	Mme-M400012424	ILMN_1226126	0	0
57170	Dolpp1	0.168	-0.121	-0.204	0	0	0	0	0	0	NM_020329	dolichyl pyrophosphate phosphatase 1 (Dolpp1), mRNA.	Mme-M200005123	ILMN_2723338	0	0
60364	Donson	0.081	-0.083	0.178	0	0	0	0	0	0	NM_021720	downstream neighbor of SON (Donson), mRNA.	Mme-M200012896	ILMN_2706882	0	0
70028	Dopey2	-0.176	-0.037	-0.005	0	0	0	0	0	0	NM_026700	dopey family member 2 (Dopey2), transcript variant 2, mRNA.	Mme-M400000626	ILMN_1217562	0	0
208266	Dot1l	0.110	-0.086	0.028	0	0	0	0	0	0	NM_199322	DOT1-like, histone H3 methyltransferase (S. cerevisiae) (Dot1l), mRNA.	Mme-M400007442	ILMN_2616274	0	0
13478	Dpagt1	0.220	0.007	0.022	0	0	0	0	0	0	NM_007875	dolichyl-phosphate (UDP-N-acetylglucosamine) acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferas	Mme-M200003602	ILMN_2641111	0	0
226162	Dpcd	0.014	0.145	-0.160	0	0	0	0	0	0	NM_172639	RIKEN cDNA 5330431N19 gene (5330431N19Rik), mRNA.	Mme-M300012992	ILMN_1237049	0	0
268949	Dpcr1	0.068	0.068	0.096	0	0	0	0	0	0	NM_001033366	diffuse panbronchiolitis critical region 1 (human) (Dpcr1), mRNA.	Mme-M400003489	ILMN_1259994	0	0
13479	Dpep1	0.111	-0.334	-0.007	0	0	0	0	0	0	NM_007876	dipeptidase 1 (renal) (Dpep1), mRNA.	Mme-M200003878	ILMN_2754551	0	0
319446	Dpep2	0.013	0.256	0.032	0	0	0	0	0	0	NM_176913	dipeptidase 2 (Dpep2), mRNA.	Mme-M300007968	ILMN_2692315	0	0
71854	Dpep3	-0.333	0.079	-0.042	0	0	0	0	0	0	NM_027960	dipeptidase 3 (Dpep3), mRNA.	Mme-M300007969	ILMN_2685120	0	0
29861	Dpf1	-0.197	0.250	-0.056	0	0	0	0	0	0	NM_013874	D4, zinc and double PHD fingers family 1 (Dpf1), mRNA.	Mme-M300007300	ILMN_2772803	0	0
70127	Dpf3	-0.048	0.049	0.017	0	0	0	0	0	0	NM_058212	D4, zinc and double PHD fingers, family 3 (Dpf3), mRNA.	Mme-M200014154	ILMN_2628799	0	0
67728	Dph2	-0.191	0.149	-0.136	0	0	0	0	0	0	NM_026344	DPH2 homolog (S. cerevisiae) (Dph2), mRNA.	Mme-M200003245	ILMN_2847024	0	0
105638	Dph3	-0.017	-0.151	-0.037	0	0	0	0	0	0	NM_001047433	DPH3 homolog (KTI11, S. cerevisiae) (Dph3), transcript variant 2, mRNA.	Mme-M300002993	ILMN_2717172	0	0
69740	Dph5	-0.040	0.036	-0.047	0	0	0	0	0	0	NM_027193	DPH5 homolog (S. cerevisiae) (Dph5), mRNA.	Mme-M300008832	ILMN_1243462	0	0
66632	Dph6	-0.019	-0.016	-0.078	0	0	0	0	0	0	NM_025675	ATP binding domain 4 (Atpbd4), mRNA.	Mme-M300005517	ILMN_2708527	0	0
67228	Dph7	0.066	0.073	-0.088	0	0	0	0	0	0	NM_026044	WD40 repeat domain 85 (Wdr85), mRNA.	Mme-M200004552	ILMN_2889266	0	0
13480	Dpm1	0.017	-0.048	-0.073	0	0	0	0	0	0	NM_010072	dolichol-phosphate (beta-D) mannosyltransferase 1 (Dpm1), mRNA.	Mme-M400009210	ILMN_2590053	0	0
13481	Dpm2	0.093	0.073	-0.129	0	0	0	0	0	0	NM_010073	dolichol-phosphate (beta-D) mannosyltransferase 2 (Dpm2), mRNA.	Mme-M300005298	ILMN_2930095	0	0
68563	Dpm3	0.131	0.233	-0.062	0	0	0	0	0	0	NM_026767	dolichyl-phosphate mannosyltransferase polypeptide 3 (Dpm3), mRNA.	Mme-M200000261	ILMN_1248860	0	0
269109	Dpp10	0.269	0.089	0.042	0	0	0	0	0	0	NM_199021	dipeptidylpeptidase 10 (Dpp10), mRNA.	Mme-M300010543	ILMN_2666205	0	0
75221	Dpp3	-0.001	0.164	-0.057	0	0	0	0	0	0	NM_133803	dipeptidylpeptidase 3 (Dpp3), mRNA.	Mme-M200004370	ILMN_2751925	0	0
13482	Dpp4	-0.203	-0.049	0.225	0	0	0	0	0	0	NM_010074	dipeptidylpeptidase 4 (Dpp4), mRNA.	Mme-M200000417	ILMN_2615096	0	0
83768	Dpp7	0.055	-0.093	-0.021	0	0	0	0	0	0	NM_031843	dipeptidylpeptidase 7 (Dpp7), mRNA.	Mme-M200004128	ILMN_2749737	0	0
74388	Dpp8	0.112	0.104	-0.182	0	0	0	0	0	0	NM_028906	dipeptidylpeptidase 8 (Dpp8), mRNA.	Mme-M300008238	ILMN_1215849	0	0
224897	Dpp9	0.075	0.216	0.090	0	0	0	0	0	0	NM_172624	dipeptidylpeptidase 9 (Dpp9), mRNA.	Mme-M400000033	ILMN_2721724	0	0
347708	Dppa1	0.086	-0.008	-0.049	0	0	0	0	0	0	NM_178247	developmental pluripotency associated 1 (Dppa1), mRNA.	Mme-M400008508	ILMN_2656079	0	0
73703	Dppa2	0.047	-0.056	0.044	0	0	0	0	0	0	NM_028615	developmental pluripotency associated 2 (Dppa2), mRNA.	Mme-M300017777	ILMN_2607458	0	0
73708	Dppa3	-0.227	-0.019	0.028	0	0	0	0	0	0	NM_139218	developmental pluripotency-associated 3 (Dppa3), mRNA.	Mme-M300017240	ILMN_1225176	0	0
73693	Dppa4	-0.035	0.029	0.077	0	0	0	0	0	0	NM_001018002	developmental pluripotency associated 4 (Dppa4), transcript variant 2, mRNA.	Mme-M300003437	ILMN_3155408	0	0
434423	Dppa5a	-0.179	-0.085	0.070	0	0	0	0	0	0	NM_025274	developmental pluripotency associated 5A (Dppa5a), mRNA.	Mme-M400009634	ILMN_3090545	0	0
56429	Dpt	0.729	0.214	-0.008	1	0	0	0	0	0	NM_019759	dermatopontin (Dpt), mRNA.	Mme-M200006237	ILMN_2606210	0	0
244745	Dpy19l1	-0.138	-0.020	0.105	0	0	0	0	0	0	NM_172920	dpy-19-like 1 (C. elegans) (Dpy19l1), mRNA.	Mme-M300014154	ILMN_1256578	0	0
233115	Dpy19l3	-0.214	-0.086	-0.019	0	0	0	0	0	0	NM_178704	dpy-19-like 3 (C. elegans) (Dpy19l3), mRNA.	Mme-M300014736	ILMN_2660541	0	0
381510	Dpy19l4	-0.110	-0.152	0.002	0	0	0	0	0	0	NM_001081201	dpy-19-like 4 (C. elegans) (Dpy19l4), mRNA.	Mme-M400002999	ILMN_1221069	0	0
66310	Dpy30	0.122	0.111	-0.093	0	0	0	0	0	0	NM_024428	dpy-30 homolog (C. elegans) (Dpy30), mRNA.	Mme-M400011462	ILMN_2776521	0	0
99586	Dpyd	-0.066	0.010	0.036	0	0	0	0	0	0	NM_170778	dihydropyrimidine dehydrogenase (Dpyd), mRNA.	Mme-M300008701	ILMN_2605329	0	0
64705	Dpys	-0.073	-0.044	-0.064	0	0	0	0	0	0	NM_022722	dihydropyrimidinase (Dpys), mRNA.	Mme-M200007039	ILMN_2590869	0	0
12934	Dpysl2	-0.351	0.092	-0.093	0	0	0	0	0	0	NM_009955	dihydropyrimidinase-like 2 (Dpysl2), mRNA.	Mme-M200013883	ILMN_2949596	0	0
26757	Dpysl4	-0.064	0.111	-0.041	0	0	0	0	0	0	NM_011993	dihydropyrimidinase-like 4 (Dpysl4), mRNA.	Mme-M300004655	ILMN_2829935	0	0
65254	Dpysl5	-0.193	-0.056	-0.068	0	0	0	0	0	0	NM_023047	dihydropyrimidinase-like 5 (Dpysl5), mRNA.	Mme-M200005674	ILMN_3161282	0	0
93838	Dqx1	-0.031	0.057	0.077	0	0	0	0	0	0	NM_033606	DEAQ RNA-dependent ATPase (Dqx1), mRNA.	Mme-M200012835	ILMN_2677323	0	0
13486	Dr1	0.115	0.062	0.051	0	0	0	0	0	0	NM_026106	down-regulator of transcription 1 (Dr1), mRNA.	Mme-M200008024	ILMN_2728290	0	0
71712	Dram1	0.180	0.593	0.348	0	1	1	0	1	0	NM_027878	RIKEN cDNA 1200002N14 gene (1200002N14Rik), mRNA.	Mme-M200007748	ILMN_1219820	1	0
67171	Dram2	0.199	0.119	0.111	0	0	0	0	0	0	NM_001025582	transmembrane protein 77 (Tmem77), transcript variant 1, mRNA.	Mme-M300005839	ILMN_1224589	0	0
66556	Drap1	0.261	-0.028	-0.179	0	0	0	0	0	0	NM_024176	Dr1 associated protein 1 (negative cofactor 2 alpha) (Drap1), mRNA.	Mme-M200005428	ILMN_2639703	0	0
70433	Draxin	-0.195	-0.091	0.087	0	0	0	0	0	0	NM_027426	RIKEN cDNA 2610109H07 gene (2610109H07Rik), mRNA.	Mme-M200010146	ILMN_1220583	0	0
381738	Drc1	-0.067	0.090	-0.048	0	0	0	0	0	0	NM_001033460	gene model 1060, (NCBI) (Gm1060), mRNA.	Mme-M400002208	ILMN_1234204	0	0
330830	Drc7	-0.332	0.020	-0.029	0	0	0	0	0	0	NM_001042715	coiled-coil domain containing 135 (Ccdc135), mRNA.	Mme-M400001404	ILMN_2704335	0	0
13488	Drd1	0.051	0.331	-0.045	0	0	0	0	0	0	NM_010076	dopamine receptor D1A (Drd1a), mRNA.	Mme-M300009655	ILMN_2734062	0	0
13490	Drd3	-0.118	-0.009	0.092	0	0	0	0	0	0	NM_007877	dopamine receptor 3 (Drd3), mRNA.	Mme-M200014936	ILMN_1229899	0	0
13491	Drd4	0.039	0.044	-0.042	0	0	0	0	0	0	NM_007878	dopamine receptor 4 (Drd4), mRNA.	Mme-M200008357	ILMN_1217098	0	0
13492	Drd5	-0.018	0.019	-0.034	0	0	0	0	0	0	NM_013503	dopamine receptor 5 (Drd5), mRNA.	Mme-M400002246	ILMN_2644432	0	0
13494	Drg1	0.132	0.129	0.062	0	0	0	0	0	0	NM_007879	developmentally regulated GTP binding protein 1 (Drg1), mRNA.	Mme-M200001252	ILMN_1238919	0	0
13495	Drg2	0.147	0.108	-0.045	0	0	0	0	0	0	NM_021354	developmentally regulated GTP binding protein 2 (Drg2), mRNA.	Mme-M200013757	ILMN_2677494	0	0
14000	Drosha	-0.010	0.216	0.025	0	0	0	0	0	0	NM_026799	ribonuclease III, nuclear (Rnasen), mRNA.	Mme-M200012775	ILMN_3144358	0	0
13497	Drp2	-0.272	-0.082	0.027	0	0	0	0	0	0	NM_010078	dystrophin related protein 2 (Drp2), mRNA.	Mme-M300000042	ILMN_2654700	0	0
13505	Dsc1	-0.023	0.012	0.021	0	0	0	0	0	0	NM_013504	desmocollin 1 (Dsc1), mRNA.	Mme-M200000324	ILMN_2723533	0	0
13506	Dsc2	-0.270	0.001	-0.032	0	0	0	0	0	0	NM_013505	desmocollin 2 (Dsc2), mRNA.	Mme-M200001620	ILMN_2731310	0	0
13507	Dsc3	0.035	0.017	0.038	0	0	0	0	0	0	NM_007882	desmocollin 3 (Dsc3), mRNA.	Mme-M400013569	ILMN_2694220	0	0
13508	Dscam	0.247	-0.110	-0.046	0	0	0	0	0	0	NM_031174	Down syndrome cell adhesion molecule (Dscam), mRNA.	Mme-M300021745	ILMN_2758147	0	0
114873	Dscaml1	0.241	0.121	0.026	0	0	0	0	0	0	NM_001081270	Down syndrome cell adhesion molecule-like 1 (Dscaml1), mRNA.	Mme-M400010595	ILMN_1216194	0	0
72107	Dscc1	0.020	0.071	-0.015	0	0	0	0	0	0	NM_183089	defective in sister chromatid cohesion 1 homolog (S. cerevisiae) (Dscc1), mRNA.	Mme-M300003275	ILMN_1224901	0	0
13185	Dscr3	0.101	-0.143	0.154	0	0	0	0	0	0	NM_007834	Down syndrome critical region gene 3 (Dscr3), mRNA.	Mme-M300003578	ILMN_2988631	0	0
212898	Dse	0.256	-0.002	0.027	0	0	0	0	0	0	NM_172508	dermatan sulfate epimerase (Dse), mRNA.	Mme-M300012209	ILMN_2684157	0	0
319901	Dsel	-0.215	-0.042	-0.013	0	0	0	0	0	0	NM_001081316	dermatan sulfate epimerase-like (Dsel), mRNA.	Mme-M400002180	ILMN_1222968	0	0
13510	Dsg1a	0.167	-0.080	0.012	0	0	0	0	0	0	NM_010079	desmoglein 1 alpha (Dsg1a), mRNA.	Mme-M400003044	ILMN_1231243	0	0
225256	Dsg1b	-0.098	-0.029	0.090	0	0	0	0	0	0	NM_181682	desmoglein 1 beta (Dsg1b), mRNA.	Mme-M400007601	ILMN_2631568	0	0
211924	Dsg1c	0.233	0.059	-0.026	0	0	0	0	0	0	NM_181680	desmoglein 1 gamma (Dsg1c), mRNA.	Mme-M300009617	ILMN_3001560	0	0
13511	Dsg2	0.132	-0.143	-0.297	0	0	0	0	0	0	NM_007883	desmoglein 2 (Dsg2), mRNA.	Mme-M200013936	ILMN_1221153	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13512	Dsg3	-0.151	0.075	0.034	0	0	0	0	0	0	NM_030596	desmoglein 3 (Dsg3), mRNA.	Mme-M400005570	ILMN_2658660	0	0
16769	Dsg4	-0.027	-0.046	0.026	0	0	0	0	0	0	NM_181564	desmoglein 4 (Dsg4), mRNA.	Mme-M400000044	ILMN_1225281	0	0
66934	Dsn1	0.134	0.018	0.114	0	0	0	0	0	0	NM_025853	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae) (Dsn1), mRNA.	Mme-M200005122	ILMN_2989480	0	0
666279	Dspp	-0.276	0.075	-0.028	0	0	0	0	0	0	NM_010080	dentin sialophosphoprotein (Dspp), mRNA.	Mme-M400004406	ILMN_1234325	0	0
13518	Dst	-0.258	0.114	0.257	0	0	0	0	0	0	NM_133833	dystonin (Dst), transcript variant a, mRNA.	Mme-M400011820	ILMN_2721385	0	0
56431	Dstn	0.336	-0.121	0.081	0	0	0	0	0	0	NM_019771	destrin (Dstn), mRNA.	Mme-M200006229	ILMN_2733695	0	0
213452	Dstyk	-0.030	-0.101	0.077	0	0	0	0	0	0	NM_172516	receptor interacting protein kinase 5 (Ripk5), mRNA.	Mme-M400017891	ILMN_1260093	0	0
66044	Dtd1	0.005	-0.006	0.043	0	0	0	0	0	0	NM_025314	D-tyrosyl-tRNA deacylase 1 homolog (S. cerevisiae) (Dtd1), mRNA.	Mme-M200005836	ILMN_2753058	0	0
328092	Dtd2	0.166	0.009	0.098	0	0	0	0	0	0	NM_029545	RIKEN cDNA 6530401N04 gene (6530401N04Rik), mRNA.	Mme-M300002485	ILMN_2632293	0	0
76843	Dtl	-0.099	0.091	-0.164	0	0	0	0	0	0	NM_029766	denticleless homolog (Drosophila) (Dtl), mRNA.	Mme-M300010945	ILMN_2644963	0	0
13527	Dtna	0.103	-0.216	0.064	0	0	0	0	0	0	NM_207650	dystrobrevin alpha (Dtna), transcript variant 1, mRNA.	Mme-M200001306	ILMN_2625949	0	0
13528	Dtnb	-0.179	-0.046	-0.155	0	0	0	0	0	0	NM_007886	dystrobrevin, beta (Dtnb), mRNA.	Mme-M300002314	ILMN_2920027	0	0
94245	Dtnbp1	-0.022	-0.059	0.068	0	0	0	0	0	0	NM_025772	dystrobrevin binding protein 1 (Dtnbp1), mRNA.	Mme-M400007331	ILMN_2762056	0	0
69185	Dtwd1	0.124	0.036	-0.158	0	0	0	0	0	0	NM_026981	DTW domain containing 1 (Dtwd1), mRNA.	Mme-M200006280	ILMN_2756074	0	0
68857	Dtwd2	-0.280	-0.154	-0.020	0	0	0	0	0	0	NM_026854	DTW domain containing 2 (Dtwd2), mRNA.	Mme-M300004182	ILMN_2663895	0	0
14357	Dtx1	0.132	0.019	-0.172	0	0	0	0	0	0	NM_008052	deltex 1 homolog (Drosophila) (Dtx1), mRNA.	Mme-M200000662	ILMN_2641793	0	0
74198	Dtx2	-0.055	-0.163	-0.128	0	0	0	0	0	0	NM_023742	deltex 2 homolog (Drosophila) (Dtx2), mRNA.	Mme-M300000624	ILMN_2709820	0	0
80904	Dtx3	0.020	0.130	0.034	0	0	0	0	0	0	NM_030714	deltex 3 homolog (Drosophila) (Dtx3), mRNA.	Mme-M300012650	ILMN_1238838	0	0
209200	Dtx3l	0.427	0.690	0.168	0	1	0	0	1	0	NM_001013371	deltex 3-like (Drosophila) (Dtx3l), mRNA.	Mme-M300020249	ILMN_1220813	1	0
207521	Dtx4	0.057	0.271	0.069	0	0	0	0	0	0	NM_172442	deltex 4 homolog (Drosophila) (Dtx4), mRNA.	Mme-M400002319	ILMN_2651706	0	0
21915	Dtymk	0.073	-0.106	-0.264	0	0	0	0	0	0	NM_023136	deoxythymidylate kinase (Dtymk), transcript variant 2, mRNA.	Mme-M400011427	ILMN_2971845	0	0
99439	Duox1	-0.381	0.079	-0.024	0	0	0	0	0	0	NM_001099297	dual oxidase 1 (Duox1), mRNA.	Mme-M300008671	ILMN_2669853	0	0
213696	Duoxa1	-0.122	0.020	-0.034	0	0	0	0	0	0	NM_145395	dual oxidase maturation factor 1 (Duoxa1), mRNA.	Mme-M200015969	ILMN_2623884	0	0
66811	Duoxa2	-0.114	-0.028	0.064	0	0	0	0	0	0	NM_025777	dual oxidase maturation factor 2 (Duoxa2), mRNA.	Mme-M200011696	ILMN_2589859	0	0
435391	Dupd1	0.325	0.302	0.122	0	0	0	0	0	0	NM_001013826	dual specificity phosphatase and pro isomerase domain containing 1 (Dupd1), mRNA.	Mme-M400008431	ILMN_2528095	0	0
68730	Dus1l	-0.041	0.019	-0.124	0	0	0	0	0	0	NM_026824	dihydrouridine synthase 1-like (S. cerevisiae) (Dus1l), mRNA.	Mme-M200005397	ILMN_1246694	0	0
66369	Dus2	-0.123	0.121	-0.016	0	0	0	0	0	0	NM_025518	dihydrouridine synthase 2-like (SMM1, S. cerevisiae) (Dus2l), mRNA.	Mme-M200003498	ILMN_1256843	0	0
224907	Dus3l	0.142	0.136	0.133	0	0	0	0	0	0	NM_144858	dihydrouridine synthase 3-like (S. cerevisiae) (Dus3l), mRNA.	Mme-M200008020	ILMN_2904979	0	0
71916	Dus4l	-0.263	0.155	-0.114	0	0	0	0	0	0	NM_028002	dihydrouridine synthase 4-like (S. cerevisiae) (Dus4l), mRNA.	Mme-M200007324	ILMN_1254444	0	0
19252	Dusp1	0.025	-0.094	0.075	0	0	0	0	0	0	NM_013642	dual specificity phosphatase 1 (Dusp1), mRNA.	Mme-M200000904	ILMN_2622983	0	0
63953	Dusp10	-0.069	0.176	-0.059	0	0	0	0	0	0	NM_022019	dual specificity phosphatase 10 (Dusp10), mRNA.	Mme-M200007678	ILMN_2818964	0	0
72102	Dusp11	0.133	-0.158	0.296	0	0	0	0	0	0	NM_028099	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting) (Dusp11), mRNA.	Mme-M200004754	ILMN_2711705	0	0
80915	Dusp12	-0.440	0.040	0.052	0	0	0	0	0	0	NM_023173	dual specificity phosphatase 12 (Dusp12), mRNA.	Mme-M200007551	ILMN_2775813	0	0
27389	Dusp13	0.022	0.354	0.120	0	0	0	0	0	0	NM_013849	dual specificity phosphatase 13 (Dusp13), transcript variant 2, mRNA.	Mme-M200014739	ILMN_3156236	0	0
56405	Dusp14	0.355	0.101	-0.141	0	0	0	0	0	0	NM_019819	dual specificity phosphatase 14 (Dusp14), mRNA.	Mme-M200009386	ILMN_2764309	0	0
252864	Dusp15	-0.135	-0.306	0.155	0	0	0	0	0	0	NM_145744	dual specificity phosphatase-like 15 (Dusp15), mRNA.	Mme-M300013826	ILMN_2675090	0	0
70686	Dusp16	-0.327	0.169	0.079	0	0	0	0	0	0	NM_001048054	dual specificity phosphatase 16 (Dusp16), transcript variant B1, mRNA.	Mme-M400011798	ILMN_2467596	0	0
75219	Dusp18	0.108	-0.019	-0.128	0	0	0	0	0	0	NM_173745	dual specificity phosphatase 18 (Dusp18), mRNA.	Mme-M200007243	ILMN_1247614	0	0
68082	Dusp19	-0.028	-0.092	0.037	0	0	0	0	0	0	NM_024438	dual specificity phosphatase 19 (Dusp19), mRNA.	Mme-M200007810	ILMN_2738264	0	0
13537	Dusp2	-0.226	0.266	0.076	0	0	0	0	0	0	NM_010090	dual specificity phosphatase 2 (Dusp2), mRNA.	Mme-M200001919	ILMN_3009243	0	0
73547	Dusp21	-0.079	-0.022	-0.028	0	0	0	0	0	0	NM_028568	dual specificity phosphatase 21 (Dusp21), mRNA.	Mme-M200010625	ILMN_1213939	0	0
105352	Dusp22	0.141	0.070	-0.081	0	0	0	0	0	0	NM_134068	dual specificity phosphatase 22 (Dusp22), transcript variant 2, mRNA.	Mme-M400011835	ILMN_2767996	0	0
68440	Dusp23	-0.058	-0.263	-0.087	0	0	0	0	0	0	NM_026725	dual specificity phosphatase 23 (Dusp23), mRNA.	Mme-M200007305	ILMN_1252812	0	0
66959	Dusp26	0.044	-0.094	0.023	0	0	0	0	0	0	NM_025869	dual specificity phosphatase 26 (putative) (Dusp26), mRNA.	Mme-M200004725	ILMN_2611295	0	0
240892	Dusp27	-0.118	0.062	-0.084	0	0	0	0	0	0	NM_001033344	dual specificity phosphatase 27 (putative) (Dusp27), mRNA.	Mme-M300005177	ILMN_2644810	0	0
67446	Dusp28	0.229	-0.099	0.083	0	0	0	0	0	0	NM_175118	dual specificity phosphatase 28 (Dusp28), mRNA.	Mme-M200014422	ILMN_2776681	0	0
72349	Dusp3	-0.310	0.154	-0.178	0	0	0	0	0	0	NM_028207	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related) (Dusp3), mRNA.	Mme-M200012616	ILMN_2637538	0	0
319520	Dusp4	-0.155	0.095	0.065	0	0	0	0	0	0	NM_176933	dual specificity phosphatase 4 (Dusp4), mRNA.	Mme-M300007758	ILMN_2608995	0	0
67603	Dusp6	-0.018	0.301	0.105	0	0	0	0	0	0	NM_026268	dual specificity phosphatase 6 (Dusp6), mRNA.	Mme-M200000698	ILMN_1248537	0	0
235584	Dusp7	-0.055	0.164	0.047	0	0	0	0	0	0	NM_153459	dual specificity phosphatase 7 (Dusp7), mRNA.	Mme-M400004560	ILMN_2804523	0	0
18218	Dusp8	0.221	-0.011	-0.128	0	0	0	0	0	0	NM_008748	dual specificity phosphatase 8 (Dusp8), mRNA.	Mme-M400002074	ILMN_1228031	0	0
75590	Dusp9	-0.050	-0.073	0.035	0	0	0	0	0	0	NM_029352	dual specificity phosphatase 9 (Dusp9), mRNA.	Mme-M300007697	ILMN_2606120	0	0
110074	Dut	-0.442	-0.049	0.152	0	0	0	0	0	0	NM_023595	deoxyuridine triphosphatase (Dut), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005511	ILMN_1227159	0	0
278672	Duxbl1	-0.074	-0.125	-0.066	0	0	0	0	0	0	NM_183389	double homeobox B-like (Duxbl), mRNA.	Mme-M200004629	ILMN_2616545	0	0
13542	Dvl1	0.006	-0.106	-0.121	0	0	0	0	0	0	NM_010091	dishevelled, dsh homolog 1 (Drosophila) (Dvl1), mRNA.	Mme-M300006465	ILMN_1228762	0	0
13543	Dvl2	-0.093	0.123	0.116	0	0	0	0	0	0	NM_007888	dishevelled 2, dsh homolog (Drosophila) (Dvl2), mRNA.	Mme-M200002158	ILMN_1243340	0	0
13544	Dvl3	0.060	0.017	0.044	0	0	0	0	0	0	NM_007889	dishevelled 3, dsh homolog (Drosophila) (Dvl3), mRNA.	Mme-M300000387	ILMN_2703618	0	0
112403	Dxo	-0.096	-0.112	-0.087	0	0	0	0	0	0	NM_033613	DOM-3 homolog Z (C. elegans) (Dom3z), mRNA.	Mme-M200016131	ILMN_2694156	0	0
69496	Dydc1	-0.095	-0.009	0.010	0	0	0	0	0	0	XM_127632	PREDICTED: DPY30 domain containing 1 (Dydc1), mRNA.	Mme-M200014805	ILMN_1226008	0	0
69190	Dym	0.130	-0.174	-0.169	0	0	0	0	0	0	NM_027727	dymeclin (Dym), mRNA.	Mme-M200001762	ILMN_2665797	0	0
75577	Dynap	-0.013	0.014	0.056	0	0	0	0	0	0	XM_128949	PREDICTED: RIKEN cDNA 2310002L13 gene (2310002L13Rik), mRNA.	Mme-M200015023	ILMN_2742813	0	0
13424	Dync1h1	-0.136	0.285	0.104	0	0	0	0	0	0	NM_030238	dynein cytoplasmic 1 heavy chain 1 (Dync1h1), mRNA.	Mme-M400000305	ILMN_2689274	0	0
13426	Dync1i1	-0.212	0.141	-0.218	0	0	0	0	0	0	NM_010063	dynein cytoplasmic 1 intermediate chain 1 (Dync1i1), mRNA.	Mme-M400001196	ILMN_2996877	0	0
13427	Dync1i2	-0.027	-0.084	-0.189	0	0	0	0	0	0	NM_010064	dynein cytoplasmic 1 intermediate chain 2 (Dync1i2), mRNA.	Mme-M300005436	ILMN_2995290	0	0
235661	Dync1li1	-0.308	-0.072	0.017	0	0	0	0	0	0	NM_146229	dynein cytoplasmic 1 light intermediate chain 1 (Dync1li1), mRNA.	Mme-M400001464	ILMN_1255255	0	0
234663	Dync1li2	-0.275	0.001	-0.019	0	0	0	0	0	0	NM_001013380	dynein, cytoplasmic 1 light intermediate chain 2 (Dync1li2), mRNA.	Mme-M300010085	ILMN_3161897	0	0
110350	Dync2h1	0.137	-0.146	-0.157	0	0	0	0	0	0	NM_029851	dynein cytoplasmic 2 heavy chain 1 (Dync2h1), mRNA.	Mme-M300013460	ILMN_1238984	0	0
213575	Dync2li1	-0.267	-0.072	-0.113	0	0	0	0	0	0	NM_172256	dynein cytoplasmic 2 light intermediate chain 1 (Dync2li1), mRNA.	Mme-M300004015	ILMN_3090123	0	0
56455	Dynll1	0.210	0.071	-0.098	0	0	0	0	0	0	NM_019682	dynein light chain LC8-type 1 (Dynll1), mRNA.	Mme-M400011327	ILMN_2788121	0	0
68097	Dynll2	0.214	0.304	-0.127	0	0	0	0	0	0	NM_026556	dynein light chain LC8-type 2 (Dynll2), mRNA.	Mme-M200016271	ILMN_2609052	0	0
67068	Dynlrb1	-0.011	0.097	-0.050	0	0	0	0	0	0	NM_025947	dynein light chain roadblock-type 1 (Dynlrb1), mRNA.	Mme-M300018303	ILMN_2589814	0	0
75465	Dynlrb2	-0.112	-0.079	-0.320	0	0	-1	0	0	0	NM_029297	dynein light chain roadblock-type 2 (Dynlrb2), mRNA.	Mme-M200004570	ILMN_1215019	0	0
21648	Dynlt1b	0.519	-0.005	0.152	0	0	0	0	0	0	NM_009342	dynein light chain Tctex-type 1 (Dynlt1), mRNA.	Mme-M400005448	ILMN_2600246	0	0
67117	Dynlt3	-0.054	-0.225	0.076	0	0	0	0	0	0	NM_025975	dynein light chain Tctex-type 3 (Dynlt3), mRNA.	Mme-M200006351	ILMN_1216559	0	0
13548	Dyrk1a	-0.082	0.077	0.085	0	0	0	0	0	0	NM_001113389	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1a (Dyrk1a), transcript variant 2, mRNA.	Mme-M400000622	ILMN_2501357	0	0
13549	Dyrk1b	0.044	0.048	-0.054	0	0	0	0	0	0	NM_010092	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b (Dyrk1b), transcript variant 2, mRNA.	Mme-M300000308	ILMN_2705642	0	0
69181	Dyrk2	0.065	0.051	-0.040	0	0	0	0	0	0	NM_001014390	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 (Dyrk2), mRNA.	Mme-M400001100	ILMN_3061028	0	0
226419	Dyrk3	0.155	0.016	-0.110	0	0	0	0	0	0	NM_145508	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 (Dyrk3), mRNA.	Mme-M200008183	ILMN_2699522	0	0
101320	Dyrk4	-0.107	-0.027	-0.080	0	0	0	0	0	0	NM_207210	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 (Dyrk4), mRNA.	Mme-M300007156	ILMN_2740195	0	0
26903	Dysf	0.053	0.199	-0.176	0	0	0	0	0	0	NM_021469	dysferlin (Dysf), transcript variant 1, mRNA.	Mme-M400001593	ILMN_2420956	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67685	Dyx1c1	-0.165	0.057	0.033	0	0	0	0	0	0	NM_026314	dyslexia susceptibility 1 candidate 1 homolog (human) (Dyx1c1), mRNA.	Mme-M200007150	ILMN_2761563	0	0
241688	Dzank1	-0.177	-0.126	-0.058	0	0	0	0	0	0	NM_172859	RIKEN cDNA 6330439K17 gene (6330439K17Rik), mRNA.	Mme-M300010828	ILMN_2643588	0	0
66573	Dzip1	-0.207	-0.068	0.065	0	0	0	0	0	0	NM_025943	DAZ interacting protein 1 (Dzip1), mRNA.	Mme-M400005475	ILMN_2517315	0	0
72507	Dzip1l	-0.042	-0.073	0.055	0	0	0	0	0	0	NM_028258	DAZ interacting protein 1-like (Dzip1l), mRNA.	Mme-M300008269	ILMN_2761422	0	0
224170	Dzip3	-0.164	-0.129	0.050	0	0	0	0	0	0	NM_027341	DAZ interacting protein 3, zinc finger (Dzip3), transcript variant 2, mRNA.	Mme-M300003432	ILMN_2942314	0	0
244180	E030002O03Rik	-0.166	-0.002	0.067	0	0	0	0	0	0	NM_172905	RIKEN cDNA E030002O03 gene (E030002O03Rik), mRNA.	Mme-M300015294	ILMN_2795751	0	0
268498	E030025P04Rik	-0.033	0.022	0.056	0	0	0	0	0	0	NM_001085512	RIKEN cDNA E030025P04 gene (E030025P04Rik), mRNA.	Mme-M400004960	ILMN_1226492	0	0
319887	E030030I06Rik	-0.144	-0.131	0.089	0	0	0	0	0	0	XM_286230	PREDICTED: RIKEN cDNA E030030I06 gene, transcript variant 1 (E030030I06Rik), mRNA.	Mme-M400005252	ILMN_1248267	0	0
320474	E030042O20Rik	0.049	-0.067	-0.031	0	0	0	0	0	0	XM_001476920	PREDICTED: RIKEN cDNA E030042O20 gene (E030042O20Rik), mRNA.	Mme-M400019441	ILMN_2667938	0	0
103551	E130012A19Rik	-0.159	-0.100	0.013	0	0	0	0	0	0	NM_175332	RIKEN cDNA E130012A19 gene (E130012A19Rik), mRNA.	Mme-M400002752	ILMN_2963091	0	0
77866	E130102H24Rik	0.110	0.080	0.073	0	0	0	0	0	0	XM_992447	PREDICTED: RIKEN cDNA E130102H24 gene (E130102H24Rik), mRNA.	Mme-M400014926	ILMN_2647694	0	0
78550	E130119H09Rik	-0.429	0.023	0.075	0	0	0	0	0	0	XR_002314	PREDICTED: RIKEN cDNA E130119H09 gene (E130119H09Rik), misc RNA.	Mme-M200011462	ILMN_1250044	0	0
230259	E130308A19Rik	0.071	-0.297	0.128	0	0	0	0	0	0	NM_001015681	RIKEN cDNA E130308A19 gene (E130308A19Rik), transcript variant 2, mRNA.	Mme-M400009283	ILMN_3060538	0	0
231868	E130309D02Rik	-0.222	-0.102	-0.088	0	0	0	0	0	0	NM_172726	RIKEN cDNA E130309D02 gene (E130309D02Rik), mRNA.	Mme-M300012059	ILMN_1251585	0	0
329659	E130311K13Rik	0.011	-0.089	0.005	0	0	0	0	0	0	NM_177856	RIKEN cDNA E130311K13 gene (E130311K13Rik), mRNA.	Mme-M300019370	ILMN_2600983	0	0
320172	E230016M11Rik	-0.026	0.034	-0.024	0	0	0	0	0	0	XM_983183	PREDICTED: RIKEN cDNA E230016M11 gene (E230016M11Rik), mRNA.	Mme-M400019294	ILMN_1226631	0	0
331537	E230019M04Rik	-0.103	-0.151	0.017	0	0	0	0	0	0	NM_177921	RIKEN cDNA E230019M04 gene (E230019M04Rik), mRNA.	Mme-M400002628	ILMN_2689357	0	0
240216	E230025N22Rik	0.169	0.037	0.039	0	0	0	0	0	0	NM_172831	Riken cDNA E230025N22 gene (E230025N22Rik), mRNA.	Mme-M300015718	ILMN_2679635	0	0
319711	E230029C05Rik	0.019	0.020	0.055	0	0	0	0	0	0	XM_287711	PREDICTED: RIKEN cDNA E230029C05 gene (E230029C05Rik), mRNA.	Mme-M400018297	ILMN_1246132	0	0
13555	E2f1	-0.208	0.046	-0.065	0	0	0	0	0	0	NM_007891	E2F transcription factor 1 (E2f1), mRNA.	Mme-M300005664	ILMN_1231138	0	0
242705	E2f2	-0.019	0.238	0.321	0	0	1	0	0	0	NM_177733	E2F transcription factor 2 (E2f2), mRNA.	Mme-M300001757	ILMN_2673776	0	0
13557	E2f3	-0.095	-0.137	-0.107	0	0	0	0	0	0	NM_010093	E2F transcription factor 3 (E2f3), mRNA.	Mme-M200002345	ILMN_2743503	0	0
104394	E2f4	0.218	0.116	-0.043	0	0	0	0	0	0	NM_148952	E2F transcription factor 4 (E2f4), mRNA.	Mme-M300001344	ILMN_2794796	0	0
13559	E2f5	0.165	-0.183	0.108	0	0	0	0	0	0	NM_007892	E2F transcription factor 5 (E2f5), mRNA.	Mme-M300005698	ILMN_2953596	0	0
50496	E2f6	0.107	-0.102	0.062	0	0	0	0	0	0	NM_033270	E2F transcription factor 6 (E2f6), mRNA.	Mme-M200012792	ILMN_2723931	0	0
52679	E2f7	-0.330	-0.042	0.024	0	0	0	0	0	0	NM_178609	E2F transcription factor 7 (E2f7), mRNA.	Mme-M300002052	ILMN_1239950	0	0
108961	E2f8	0.209	0.043	0.085	0	0	0	0	0	0	NM_001013368	E2F transcription factor 8 (E2f8), mRNA.	Mme-M400003127	ILMN_2712498	0	0
243780	E330009J07Rik	0.038	-0.064	-0.029	0	0	0	0	0	0	NM_175528	RIKEN cDNA E330009J07 gene (E330009J07Rik), mRNA.	Mme-M300010787	ILMN_1233245	0	0
224247	E330017A01Rik	0.053	-0.090	0.120	0	0	0	0	0	0	NM_175011	RIKEN cDNA E330017A01 gene (E330017A01Rik), mRNA.	Mme-M400005296	ILMN_2913664	0	0
105418	E330034G19Rik	0.023	0.180	0.002	0	0	0	0	0	0	NM_001033214	RIKEN cDNA E330034G19 gene (E330034G19Rik), mRNA.	Mme-M300011846	ILMN_2825118	0	0
101604	E430018J23Rik	-0.111	0.179	-0.187	0	0	0	0	0	0	NM_198011	RIKEN cDNA E430018J23 gene (E430018J23Rik), mRNA.	Mme-M400012574	ILMN_2881039	0	0
223593	E430025E21Rik	0.106	-0.046	0.016	0	0	0	0	0	0	NM_153548	RIKEN cDNA E430025E21 gene (E430025E21Rik), mRNA.	Mme-M300003230	ILMN_1225363	0	0
13560	E4f1	0.193	0.201	0.002	0	0	0	0	0	0	NM_007893	E4F transcription factor 1 (E4f1), mRNA.	Mme-M200001283	ILMN_2650893	0	0
74427	Eaf1	-0.243	0.134	0.052	0	0	0	0	0	0	NM_028932	ELL associated factor 1 (Eaf1), mRNA.	Mme-M200009279	ILMN_1232473	0	0
106389	Eaf2	-0.037	-0.009	0.054	0	0	0	0	0	0	NM_001113405	ELL associated factor 2 (Eaf2), transcript variant 3, mRNA.	Mme-M200014146	ILMN_2605601	0	0
66266	Eapp	0.180	0.039	0.167	0	0	0	0	0	0	NM_025456	E2F-associated phosphoprotein (Eapp), mRNA.	Mme-M400004765	ILMN_1258998	0	0
13586	Ear1	-0.024	0.264	0.314	0	0	1	0	0	0	NM_007894	eosinophil-associated, ribonuclease A family, member 1 (Ear1), mRNA.	Mme-M400010774	ILMN_2731735	0	0
93725	Ear10	0.181	-0.006	0.001	0	0	0	0	0	0	NM_053112	eosinophil-associated, ribonuclease A family, member 10 (Ear10), mRNA.	Mme-M400006996	ILMN_1235857	0	0
503847	Ear14	-0.216	0.056	0.012	0	0	0	0	0	0	NM_017389	eosinophil-associated, ribonuclease A family, member 14 (Ear14), mRNA.	Mme-M400003726	ILMN_2773201	0	0
13587	Ear2	0.155	0.335	0.229	0	0	0	0	0	0	NM_007895	eosinophil-associated, ribonuclease A family, member 2 (Ear2), mRNA.	Mme-M400010775	ILMN_2925653	0	0
53876	Ear3	-0.112	0.381	0.223	0	0	0	0	0	0	NM_017388	eosinophil-associated, ribonuclease A family, member 3 (Ear3), mRNA.	Mme-M400011284	ILMN_2524986	0	0
67417	Ears2	-0.170	0.097	-0.022	0	0	0	0	0	0	NM_026140	glutamyl-tRNA synthetase 2 (mitochondrial)(putative) (Ears2), nuclear gene encoding mitochondrial protein, mR	Mme-M400011539	ILMN_2741790	0	0
55960	Ebag9	0.217	0.125	-0.172	0	0	0	0	0	0	NM_019480	estrogen receptor-binding fragment-associated gene 9 (Ebag9), mRNA.	Mme-M300003222	ILMN_1224670	0	0
13591	Ebf1	-0.144	-0.167	0.109	0	0	0	0	0	0	NM_007897	early B-cell factor 1 (Ebf1), mRNA.	Mme-M200001708	ILMN_2707452	0	0
13592	Ebf2	0.014	-0.108	0.084	0	0	0	0	0	0	NM_010095	early B-cell factor 2 (Ebf2), mRNA.	Mme-M200000065	ILMN_1251248	0	0
13593	Ebf3	0.042	-0.310	-0.114	0	0	0	0	0	0	NM_010096	early B-cell factor 3 (Ebf3), transcript variant 3, mRNA.	Mme-M200006936	ILMN_2422615	0	0
228598	Ebf4	-0.152	0.118	0.031	0	0	0	0	0	0	NM_001110513	early B-cell factor 4 (Ebf4), mRNA.	Mme-M300005628	ILMN_2759722	0	0
50498	Ebi3	0.047	0.087	-0.004	0	0	0	0	0	0	NM_015766	Epstein-Barr virus induced gene 3 (Ebi3), mRNA.	Mme-M200002509	ILMN_2662322	0	0
69072	Ebna1bp2	0.250	0.159	-0.142	0	0	0	0	0	0	NM_026932	EBNA1 binding protein 2 (Ebna1bp2), mRNA.	Mme-M200006722	ILMN_1248210	0	0
13595	Ebp	0.253	0.102	-0.005	0	0	0	0	0	0	NM_007898	phenylalkylamine Ca2+ antagonist (emopamil) binding protein (Ebp), mRNA.	Mme-M200005452	ILMN_2707043	0	0
68177	Ebpl	0.172	-0.159	-0.107	0	0	0	0	0	0	NM_026598	emopamil binding protein-like (Ebpl), mRNA.	Mme-M200004502	ILMN_2725035	0	0
70601	Ecd	0.283	-0.178	-0.014	0	0	0	0	0	0	NM_027475	ecdysoneless homolog (Drosophila) (Ecd), mRNA.	Mme-M400000515	ILMN_2611244	0	0
230857	Ece1	0.262	0.275	-0.149	0	0	0	0	0	0	NM_199307	endothelin converting enzyme 1 (Ece1), mRNA.	Mme-M300006272	ILMN_2745993	0	0
107522	Ece2	0.252	0.096	-0.020	0	0	0	0	0	0	NM_025462	endothelin converting enzyme 2 (Ece2), transcript variant 3, mRNA.	Mme-M200014556	ILMN_2944301	0	0
13599	Ecel1	-0.048	0.491	-0.636	0	1	-1	0	0	-1	NM_021306	endothelin converting enzyme-like 1 (Ecel1), mRNA.	Mme-M200009313	ILMN_2756900	0	1
51798	Ech1	0.044	0.004	-0.103	0	0	0	0	0	0	NM_016772	enoyl coenzyme A hydratase 1, peroxisomal (Ech1), mRNA.	Mme-M200000803	ILMN_1254786	0	0
52665	Echdc1	-0.053	-0.066	-0.034	0	0	0	0	0	0	NM_001110195	enoyl Coenzyme A hydratase domain containing 1 (Echdc1), transcript variant 2, mRNA.	Mme-M200013721	ILMN_2659950	0	0
52430	Echdc2	0.044	-0.266	-0.105	0	0	0	0	0	0	NM_026728	enoyl Coenzyme A hydratase domain containing 2 (Echdc2), mRNA.	Mme-M300006186	ILMN_2846194	0	0
67856	Echdc3	-0.049	-0.123	0.057	0	0	0	0	0	0	NM_024208	enoyl Coenzyme A hydratase domain containing 3 (Echdc3), mRNA.	Mme-M300011919	ILMN_1234901	0	0
93747	Echs1	0.289	-0.026	-0.057	0	0	0	0	0	0	NM_053119	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial (Echs1), nuclear gene encoding mitochondrial protei	Mme-M200004900	ILMN_2888181	0	0
13177	Eci1	0.269	-0.095	-0.131	0	0	0	0	0	0	NM_010023	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenyme A isomerase) (Dci), nuclear gene encoding n	Mme-M200007830	ILMN_2615207	0	0
69123	Eci3	-0.026	-0.038	-0.050	0	0	0	0	0	0	NM_026947	RIKEN cDNA 1810022C23 gene (1810022C23Rik), mRNA.	Mme-M200011786	ILMN_2604310	0	0
13601	Ecm1	0.260	0.098	0.015	0	0	0	0	0	0	NM_007899	extracellular matrix protein 1 (Ecm1), mRNA.	Mme-M400001062	ILMN_2947526	0	0
407800	Ecm2	0.110	-0.006	0.128	0	0	0	0	0	0	NM_001012324	extracellular matrix protein 2, female organ and adipocyte specific (Ecm2), mRNA.	Mme-M400002775	ILMN_3160764	0	0
26940	Ecsit	0.196	-0.034	-0.029	0	0	0	0	0	0	NM_012029	ECSIT homolog (Drosophila) (Ecsit), mRNA.	Mme-M400011190	ILMN_2824167	0	0
13605	Ect2	-0.037	0.062	-0.104	0	0	0	0	0	0	NM_007900	ect2 oncogene (Ect2), mRNA.	Mme-M200001148	ILMN_2760144	0	0
13607	Eda	-0.069	0.037	0.067	0	0	0	0	0	0	NM_010099	ectodysplasin-A (Eda), mRNA.	Mme-M400006759	ILMN_2669938	0	0
245527	Eda2r	-0.168	-0.099	0.142	0	0	0	0	0	0	NM_175540	ectodysplasin A2 isoform receptor (Eda2r), mRNA.	Mme-M300009363	ILMN_2637295	0	0
13608	Edar	-0.293	0.068	-0.041	0	0	0	0	0	0	NM_010100	ectodysplasin-A receptor (Edar), mRNA.	Mme-M200016042	ILMN_1256102	0	0
171211	Edaradd	0.064	0.093	0.092	0	0	0	0	0	0	NM_133643	EDAR (ectodysplasin-A receptor)-associated death domain (Edaradd), transcript variant 1, mRNA.	Mme-M300012093	ILMN_1236506	0	0
234699	Edc4	0.027	-0.058	-0.148	0	0	0	0	0	0	NM_181594	enhancer of mRNA decapping 4 (Edc4), mRNA.	Mme-M200006259	ILMN_2685487	0	0
219026	Eddm3b	0.242	0.000	-0.103	0	0	0	0	0	0	NM_203508	gene model 75, (NCBI) (Gm75), mRNA.	Mme-M300018989	ILMN_2679491	0	0
192193	Edem1	0.179	0.131	0.069	0	0	0	0	0	0	NM_138677	ER degradation enhancer, mannosidase alpha-like 1 (Edem1), mRNA.	Mme-M200004170	ILMN_1244297	0	0
108687	Edem2	0.060	-0.124	-0.172	0	0	0	0	0	0	NM_145537	ER degradation enhancer, mannosidase alpha-like 2 (Edem2), mRNA.	Mme-M200006117	ILMN_2684279	0	0
66967	Edem3	0.118	0.023	0.037	0	0	0	0	0	0	NM_001039644	ER degradation enhancer, mannosidase alpha-like 3 (Edem3), mRNA.	Mme-M200004259	ILMN_2687755	0	0
59022	Edf1	-0.144	-0.083	-0.234	0	0	0	0	0	0	NM_021519	endothelial differentiation-related factor 1 (Edf1), mRNA.	Mme-M400000221	ILMN_2739033	0	0
13612	Edil3	-0.231	0.295	-0.074	0	0	0	0	0	0	NM_010103	EGF-like repeats and discoidin I-like domains 3 (Edil3), transcript variant 2, mRNA.	Mme-M300009382	ILMN_3124083	0	0
13614	Edn1	0.164	-0.386	0.094	0	0	0	0	0	0	NM_010104	endothelin 1 (Edn1), mRNA.	Mme-M300002727	ILMN_2737713	0	0
13615	Edn2	-0.088	-0.196	-0.062	0	0	0	0	0	0	NM_007902	endothelin 2 (Edn2), mRNA.	Mme-M200000536	ILMN_2723965	0	0
13616	Edn3	-0.199	-0.016	0.018	0	0	0	0	0	0	NM_007903	endothelin 3 (Edn3), mRNA.	Mme-M200002796	ILMN_2709083	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
13617	Ednra	0.107	-0.082	0.073	0	0	0	0	0	0	NM_010332	endothelin receptor type A (Ednra), mRNA.	Mme-M300007820	ILMN_2674351	0	0
13618	Ednrb	-0.101	0.135	0.055	0	0	0	0	0	0	NM_007904	endothelin receptor type B (Ednrb), mRNA.	Mme-M400010776	ILMN_2717765	0	0
214764	Edrf1	-0.166	-0.181	0.031	0	0	0	0	0	0	NM_145995	RIKEN cDNA 2700050L05 gene (2700050L05Rik), transcript variant 1, mRNA.	Mme-M300012454	ILMN_2672606	0	0
216238	Eea1	-0.167	0.079	0.079	0	0	0	0	0	0	NM_001001932	early endosome antigen 1 (Eea1), mRNA.	Mme-M300010406	ILMN_2440868	0	0
13626	Eed	0.405	-0.091	0.145	0	0	0	0	0	0	NM_021876	embryonic ectoderm development (Eed), mRNA.	Mme-M200003588	ILMN_2765015	0	0
13627	Eef1a1	0.311	-0.090	0.063	0	0	0	0	0	0	NM_010106	eukaryotic translation elongation factor 1 alpha 1 (Eef1a1), mRNA.	Mme-M400002052	ILMN_2998173	0	0
13628	Eef1a2	0.000	-0.050	-0.166	0	0	0	0	0	0	NM_007906	eukaryotic translation elongation factor 1 alpha 2 (Eef1a2), mRNA.	Mme-M200001006	ILMN_2971559	0	0
55949	Eef1b2	0.142	0.178	0.053	0	0	0	0	0	0	NM_018796	eukaryotic translation elongation factor 1 beta 2 (Eef1b2), mRNA.	Mme-M200001029	ILMN_2874853	0	0
66656	Eef1d	0.305	0.094	-0.021	0	0	0	0	0	0	NM_023240	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (Eef1d), transcript varian	Mme-M400011432	ILMN_3139168	0	0
66143	Eef1e1	0.100	0.272	0.100	0	0	0	0	0	0	NM_025380	eukaryotic translation elongation factor 1 epsilon 1 (Eef1e1), mRNA.	Mme-M200007877	ILMN_2703844	0	0
67160	Eef1g	0.193	0.156	-0.047	0	0	0	0	0	0	NM_026007	eukaryotic translation elongation factor 1 gamma (Eef1g), mRNA.	Mme-M400011528	ILMN_2531741	0	0
13629	Eef2	0.064	0.101	-0.243	0	0	0	0	0	0	NM_007907	eukaryotic translation elongation factor 2 (Eef2), mRNA.	Mme-M300009649	ILMN_1252294	0	0
70511	Eef2kmt	0.173	-0.053	0.018	0	0	0	0	0	0	NM_027446	RIKEN cDNA 5730409G15 gene (5730409G15Rik), mRNA.	Mme-M400000582	ILMN_1254549	0	0
65967	Eefsec	-0.146	0.086	-0.181	0	0	0	0	0	0	NM_023060	eukaryotic elongation factor, selenocysteine-tRNA-specific (Eefsec), mRNA.	Mme-M200008131	ILMN_2849985	0	0
67484	Eepd1	-0.043	0.213	-0.023	0	0	0	0	0	0	NM_026189	endonuclease/exonuclease/phosphatase family domain containing 1 (Eepd1), mRNA.	Mme-M200002437	ILMN_2709179	0	0
66793	Efcab1	0.257	-0.045	0.132	0	0	0	0	0	0	NM_025769	EF hand calcium binding domain 1 (Efcab1), mRNA.	Mme-M400012852	ILMN_2917280	0	0
75040	Efcab10	0.371	0.049	0.007	0	0	0	0	0	0	XM_126856	PREDICTED: RIKEN cDNA 4930504H06 gene (4930504H06Rik), mRNA.	Mme-M200009854	ILMN_2725119	0	0
78767	Efcab11	0.093	0.016	0.008	0	0	0	0	0	0	NM_030172	RIKEN cDNA 2610021K21 gene (2610021K21Rik), mRNA.	Mme-M200015904	ILMN_2660136	0	0
212516	Efcab12	-0.061	0.052	-0.031	0	0	0	0	0	0	NM_001110506	cDNA sequence BC060267 (BC060267), mRNA.	Mme-M400001250	ILMN_1254983	0	0
230648	Efcab14	0.212	-0.213	0.294	0	0	0	0	0	0	NM_172698	RIKEN cDNA 4732418C07 gene (4732418C07Rik), mRNA.	Mme-M300009217	ILMN_2712675	0	0
68226	Efcab2	0.085	-0.201	-0.179	0	0	0	0	0	0	NM_026626	EF-hand calcium binding domain 2 (Efcab2), mRNA.	Mme-M300005142	ILMN_1214753	0	0
70894	Efcab3	-0.066	-0.051	-0.056	0	0	0	0	0	0	NM_001081046	RIKEN cDNA 4921510J17 gene (4921510J17Rik), mRNA.	Mme-M300002341	ILMN_2687503	0	0
319634	Efcab5	0.001	-0.050	0.051	0	0	0	0	0	0	NM_176965	EF-hand calcium binding domain 5 (Efcab5), mRNA.	Mme-M400003758	ILMN_1232019	0	0
77627	Efcab6	-0.205	0.063	-0.085	0	0	0	0	0	0	NM_029946	EF-hand calcium binding domain 3 (Efcab3), mRNA.	Mme-M200012613	ILMN_1249844	0	0
230500	Efcab7	0.109	-0.164	-0.008	0	0	0	0	0	0	NM_145549	EF-hand calcium binding domain 7 (Efcab7), mRNA.	Mme-M200013185	ILMN_2768638	0	0
69306	Efcab9	-0.031	0.121	-0.091	0	0	0	0	0	0	NM_027031	RIKEN cDNA 1700007I06 gene (1700007I06Rik), mRNA.	Mme-M300015102	ILMN_2647458	0	0
216616	Efemp1	0.158	0.067	0.105	0	0	0	0	0	0	NM_146015	epidermal growth factor-containing fibulin-like extracellular matrix protein 1 (Efemp1), mRNA.	Mme-M200014040	ILMN_2653462	0	0
58859	Efemp2	-0.118	-0.185	-0.082	0	0	0	0	0	0	NM_021474	epidermal growth factor-containing fibulin-like extracellular matrix protein 2 (Efemp2), mRNA.	Mme-M200013748	ILMN_2866901	0	0
211482	Efhb	-0.042	0.092	0.070	0	0	0	0	0	0	NM_172497	EF hand domain family, member B (Efhb), mRNA.	Mme-M300003817	ILMN_1232520	0	0
74405	Efhc2	0.278	-0.146	-0.012	0	0	0	0	0	0	NM_028916	EF-hand domain (C-terminal) containing 2 (Efhc2), mRNA.	Mme-M200015181	ILMN_2742944	0	0
98363	Efhd1	0.024	0.018	0.027	0	0	0	0	0	0	NM_028889	EF hand domain containing 1 (Efhd1), mRNA.	Mme-M400000908	ILMN_2613306	0	0
27984	Efhd2	0.468	0.006	-0.034	0	0	0	0	0	0	NM_025994	EF hand domain containing 2 (Efhd2), mRNA.	Mme-M200003556	ILMN_1256246	0	0
13636	Efna1	-0.187	-0.158	-0.094	0	0	0	0	0	0	NM_010107	ephrin A1 (Efna1), mRNA.	Mme-M200003390	ILMN_1244460	0	0
13637	Efna2	-0.098	-0.100	-0.013	0	0	0	0	0	0	NM_007909	ephrin A2 (Efna2), mRNA.	Mme-M200000603	ILMN_2647949	0	0
13638	Efna3	0.083	0.057	-0.030	0	0	0	0	0	0	NM_010108	ephrin A3 (Efna3), mRNA.	Mme-M300005911	ILMN_2818879	0	0
13639	Efna4	-0.082	-0.139	-0.120	0	0	0	0	0	0	NM_007910	ephrin A4 (Efna4), mRNA.	Mme-M200003426	ILMN_2691352	0	0
13640	Efna5	0.155	-0.197	-0.018	0	0	0	0	0	0	NM_010109	ephrin A5 (Efna5), transcript variant 2, mRNA.	Mme-M300019687	ILMN_2757641	0	0
13641	Efnb1	0.013	-0.280	-0.078	0	0	0	0	0	0	NM_010110	ephrin B1 (Efnb1), mRNA.	Mme-M200001301	ILMN_2698443	0	0
13642	Efnb2	-0.046	-0.059	0.175	0	0	0	0	0	0	NM_010111	ephrin B2 (Efnb2), mRNA.	Mme-M200001552	ILMN_2716212	0	0
13643	Efnb3	-0.206	0.015	0.063	0	0	0	0	0	0	NM_007911	ephrin B3 (Efnb3), mRNA.	Mme-M200004741	ILMN_2681212	0	0
76740	Efr3a	0.018	-0.115	0.093	0	0	0	0	0	0	NM_133766	EFR3 homolog A (S. cerevisiae) (Efr3a), mRNA.	Mme-M200006663	ILMN_2678400	0	0
668212	Efr3b	0.054	0.008	0.019	0	0	0	0	0	0	NM_001082483	EFR3 homolog B (S. cerevisiae) (Efr3b), mRNA.	Mme-M300002311	ILMN_1242217	0	0
13644	Efs	0.015	-0.094	0.007	0	0	0	0	0	0	NM_010112	embryonal Fyn-associated substrate (Efs), mRNA.	Mme-M200006057	ILMN_2634222	0	0
101592	Eftud1	0.099	-0.062	-0.119	0	0	0	0	0	0	NM_175317	elongation factor Tu GTP binding domain containing 1 (Eftud1), mRNA.	Mme-M300011628	ILMN_1223140	0	0
20624	Eftud2	0.183	0.094	-0.208	0	0	0	0	0	0	NM_011431	elongation factor Tu GTP binding domain containing 2 (Eftud2), transcript variant 1, mRNA.	Mme-M200000308	ILMN_2930364	0	0
13645	Egf	0.102	-0.203	-0.091	0	0	0	0	0	0	NM_010113	epidermal growth factor (Egf), mRNA.	Mme-M200000518	ILMN_2684104	0	0
13647	Egfbp2	0.174	0.004	-0.036	0	0	0	0	0	0	NM_010115	epidermal growth factor binding protein type B (Egfbp2), mRNA.	Mme-M400011004	ILMN_2791241	0	0
75740	Egfem1	-0.380	0.023	-0.047	0	0	0	0	0	0	XM_130829	PREDICTED: RIKEN cDNA 6130401L20 gene, transcript variant 1 (6130401L20Rik), mRNA.	Mme-M200012172	ILMN_2728202	0	0
54156	Egfl6	0.071	0.013	-0.038	0	0	0	0	0	0	NM_019397	EGF-like-domain, multiple 6 (Egfl6), mRNA.	Mme-M200007968	ILMN_2679800	0	0
353156	Egfl7	0.191	0.113	-0.094	0	0	0	0	0	0	NM_198725	EGF-like domain 7 (Egfl7), transcript variant c, mRNA.	Mme-M300005378	ILMN_3163288	0	0
81701	Egfl8	-0.144	0.140	-0.137	0	0	0	0	0	0	NM_152922	EGF-like domain 8 (Egfl8), mRNA.	Mme-M300001413	ILMN_2593188	0	0
268780	Egflam	-0.020	-0.072	-0.025	0	0	0	0	0	0	NM_178748	EGF-like, fibronectin type III and laminin G domains (Egflam), mRNA.	Mme-M300014048	ILMN_1242669	0	0
13649	Egfr	0.248	-0.007	0.115	0	0	0	0	0	0	NM_207655	epidermal growth factor receptor (Egfr), transcript variant 1, mRNA.	Mme-M200002716	ILMN_2693922	0	0
112405	Egln1	0.198	-0.101	-0.092	0	0	0	0	0	0	NM_053207	EGL nine homolog 1 (C. elegans) (Egln1), mRNA.	Mme-M300008014	ILMN_2617086	0	0
112406	Egln2	0.168	0.030	0.039	0	0	0	0	0	0	NM_053208	EGL nine homolog 2 (C. elegans) (Egln2), mRNA.	Mme-M200006758	ILMN_2781805	0	0
112407	Egln3	0.223	-0.074	-0.016	0	0	0	0	0	0	NM_028133	EGL nine homolog 3 (C. elegans) (Egln3), mRNA.	Mme-M200007373	ILMN_2605819	0	0
13653	Egr1	-0.060	-0.401	-0.002	0	0	0	0	0	0	NM_007913	early growth response 1 (Egr1), mRNA.	Mme-M200012044	ILMN_2662926	0	0
13654	Egr2	-0.121	-0.009	-0.045	0	0	0	0	0	0	NM_010118	early growth response 2 (Egr2), mRNA.	Mme-M200000527	ILMN_2623983	0	0
13655	Egr3	0.058	0.015	0.019	0	0	0	0	0	0	NM_018781	early growth response 3 (Egr3), mRNA.	Mme-M200008615	ILMN_2653543	0	0
13656	Egr4	0.049	0.289	0.052	0	0	0	0	0	0	NM_020596	early growth response 4 (Egr4), mRNA.	Mme-M400011374	ILMN_1215713	0	0
216565	Ehbp1	0.055	0.109	0.145	0	0	0	0	0	0	NM_153078	EH domain binding protein 1 (Ehbp1), mRNA.	Mme-M300013624	ILMN_2868981	0	0
114601	Ehbp1l1	0.335	0.183	0.038	0	0	0	0	0	0	NM_001114595	EH domain binding protein 1-like 1 (Ehbp1l1), transcript variant C, mRNA.	Mme-M200004654	ILMN_1227131	0	0
13660	Ehd1	0.039	0.191	-0.078	0	0	0	0	0	0	NM_010119	EH-domain containing 1 (Ehd1), mRNA.	Mme-M200006878	ILMN_2628757	0	0
259300	Ehd2	-0.015	0.149	-0.043	0	0	0	0	0	0	NM_153068	EH-domain containing 2 (Ehd2), mRNA.	Mme-M400002512	ILMN_1255622	0	0
57440	Ehd3	-0.028	0.168	-0.015	0	0	0	0	0	0	NM_020578	EH-domain containing 3 (Ehd3), mRNA.	Mme-M200003629	ILMN_1232989	0	0
98878	Ehd4	0.117	-0.058	0.215	0	0	0	0	0	0	NM_133838	EH-domain containing 4 (Ehd4), mRNA.	Mme-M200009058	ILMN_1224768	0	0
13661	Ehf	0.266	0.008	-0.086	0	0	0	0	0	0	NM_007914	ets homologous factor (Ehf), mRNA.	Mme-M400010778	ILMN_2597515	0	0
74147	Ehhadh	0.053	0.062	-0.020	0	0	0	0	0	0	NM_023737	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase (Ehhadh), mRNA.	Mme-M200005832	ILMN_2706120	0	0
77683	Ehmt1	0.184	-0.276	0.059	0	0	0	0	0	0	NM_001109686	euchromatic histone methyltransferase 1 (Ehmt1), transcript variant 3, mRNA.	Mme-M300010608	ILMN_2633604	0	0
110147	Ehmt2	-0.022	0.170	-0.149	0	0	0	0	0	0	NM_147151	euchromatic histone lysine N-methyltransferase 2 (Ehmt2), transcript variant short, mRNA.	Mme-M300001240	ILMN_2705367	0	0
13663	Ei24	0.238	0.264	0.047	0	0	0	0	0	0	NM_007915	etoposide induced 2.4 mRNA (Ei24), mRNA.	Mme-M300008077	ILMN_2953677	0	0
58521	Eid1	0.157	-0.056	-0.008	0	0	0	0	0	0	NM_025613	EP300 interacting inhibitor of differentiation 1 (Eid1), mRNA.	Mme-M200014076	ILMN_2669766	0	0
386655	Eid2	-0.043	-0.268	-0.066	0	0	0	0	0	0	NM_198425	EP300 interacting inhibitor of differentiation 2 (Eid2), mRNA.	Mme-M300016983	ILMN_1223895	0	0
66341	Eid3	-0.225	0.014	0.008	0	0	0	0	0	0	NM_025499	EP300 interacting inhibitor of differentiation 3 (Eid3), mRNA.	Mme-M200015305	ILMN_1254327	0	0
20918	Eif1	0.351	-0.075	-0.098	0	0	0	0	0	0	NM_011508	eukaryotic translation initiation factor 1 (Eif1), mRNA.	Mme-M300009966	ILMN_1232692	0	0
13664	Eif1a	0.162	0.082	0.084	0	0	0	0	0	0	NM_010120	eukaryotic translation initiation factor 1A (Eif1a), mRNA.	Mme-M200009430	ILMN_2698107	0	0
69860	Eif1ad	0.059	0.132	-0.101	0	0	0	0	0	0	NM_027236	eukaryotic translation initiation factor 1A domain containing (Eif1ad), mRNA.	Mme-M200005773	ILMN_2968032	0	0
68969	Eif1b	-0.091	-0.078	-0.026	0	0	0	0	0	0	NM_026892	eukaryotic translation initiation factor 1B (Eif1b), mRNA.	Mme-M300000866	ILMN_2731629	0	0
229317	Eif2a	0.128	-0.025	0.056	0	0	0	0	0	0	NM_001005509	eukaryotic translation initiation factor 2a (Eif2a), mRNA.	Mme-M300005796	ILMN_2624782	0	0
15467	Eif2ak1	0.045	0.268	0.010	0	0	0	0	0	0	NM_013557	eukaryotic translation initiation factor 2 alpha kinase 1 (Eif2ak1), mRNA.	Mme-M400001185	ILMN_2709397	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19106	Eif2ak2	-0.019	0.122	0.063	0	0	0	0	0	0	NM_011163	eukaryotic translation initiation factor 2-alpha kinase 2 (Eif2ak2), mRNA.	Mme-M200000287	ILMN_1250410	0	0
13666	Eif2ak3	0.162	-0.153	0.133	0	0	0	0	0	0	NM_010121	eukaryotic translation initiation factor 2 alpha kinase 3 (Eif2ak3), mRNA.	Mme-M400001398	ILMN_1215644	0	0
27103	Eif2ak4	0.046	-0.052	0.039	0	0	0	0	0	0	NM_013719	eukaryotic translation initiation factor 2 alpha kinase 4 (Eif2ak4), mRNA.	Mme-M200005370	ILMN_2623938	0	0
209354	Eif2b1	0.100	0.089	0.211	0	0	0	0	0	0	NM_145371	eukaryotic translation initiation factor 2B, subunit 1 (alpha) (Eif2b1), mRNA.	Mme-M200006189	ILMN_2600508	0	0
217715	Eif2b2	0.069	0.147	-0.177	0	0	0	0	0	0	NM_145445	eukaryotic translation initiation factor 2B, subunit 2 beta (Eif2b2), mRNA.	Mme-M200006289	ILMN_2762301	0	0
108067	Eif2b3	-0.204	0.036	-0.058	0	0	0	0	0	0	NM_001111277	eukaryotic translation initiation factor 2B, subunit 3 (Eif2b3), transcript variant 1, mRNA.	Mme-M300006229	ILMN_2619270	0	0
13667	Eif2b4	0.096	-0.009	0.021	0	0	0	0	0	0	NM_010122	eukaryotic translation initiation factor 2B, subunit 4 delta (Eif2b4), mRNA.	Mme-M200009296	ILMN_2721894	0	0
224045	Eif2b5	0.157	0.121	-0.090	0	0	0	0	0	0	NM_172265	eukaryotic translation initiation factor 2B, subunit 5 epsilon (Eif2b5), mRNA.	Mme-M300000391	ILMN_2715215	0	0
16865	Eif2d	-0.006	0.108	0.088	0	0	0	0	0	0	NM_010709	ligatin (Lgtn), mRNA.	Mme-M400011061	ILMN_2814333	0	0
13665	Eif2s1	0.222	-0.001	-0.051	0	0	0	0	0	0	NM_026114	eukaryotic translation initiation factor 2, subunit 1 alpha (Eif2s1), mRNA.	Mme-M400007482	ILMN_2696159	0	0
67204	Eif2s2	0.144	0.123	-0.041	0	0	0	0	0	0	NM_026030	eukaryotic translation initiation factor 2, subunit 2 (beta) (Eif2s2), mRNA.	Mme-M400001024	ILMN_1256795	0	0
26905	Eif2s3x	-0.038	0.124	0.127	0	0	0	0	0	0	NM_012010	eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked (Eif2s3x), mRNA.	Mme-M200004378	ILMN_2649129	0	0
26908	Eif2s3y	-0.067	-0.005	0.156	0	0	0	0	0	0	NM_012011	eukaryotic translation initiation factor 2, subunit 3, structural gene Y-linked (Eif2s3y), mRNA.	Mme-M400002945	ILMN_1241001	0	0
13669	Eif3a	0.158	-0.051	-0.111	0	0	0	0	0	0	NM_010123	eukaryotic translation initiation factor 3, subunit 10 (theta) (Eif3s10), mRNA.	Mme-M300004416	ILMN_2735157	0	0
27979	Eif3b	0.171	0.019	0.057	0	0	0	0	0	0	NM_133916	eukaryotic translation initiation factor 3, subunit B (Eif3b), mRNA.	Mme-M200004188	ILMN_1233746	0	0
56347	Eif3c	0.209	-0.158	0.039	0	0	0	0	0	0	NM_146200	eukaryotic translation initiation factor 3, subunit C (Eif3c), mRNA.	Mme-M300007394	ILMN_2615741	0	0
55944	Eif3d	0.260	0.024	-0.147	0	0	0	0	0	0	NM_018749	eukaryotic translation initiation factor 3, subunit D (Eif3d), mRNA.	Mme-M200001524	ILMN_2774163	0	0
66085	Eif3f	0.227	-0.150	-0.050	0	0	0	0	0	0	NM_025344	eukaryotic translation initiation factor 3, subunit F (Eif3f), mRNA.	Mme-M200012121	ILMN_2753213	0	0
53356	Eif3g	0.120	0.030	-0.114	0	0	0	0	0	0	NM_016876	eukaryotic translation initiation factor 3, subunit G (Eif3g), mRNA.	Mme-M200006826	ILMN_2737192	0	0
68135	Eif3h	0.133	-0.067	-0.103	0	0	0	0	0	0	NM_080635	eukaryotic translation initiation factor 3, subunit H (Eif3h), mRNA.	Mme-M300003206	ILMN_1215703	0	0
54709	Eif3i	0.097	0.146	-0.110	0	0	0	0	0	0	NM_018799	eukaryotic translation initiation factor 3, subunit I (Eif3i), mRNA.	Mme-M200008679	ILMN_2789601	0	0
78655	Eif3j1	0.149	-0.016	-0.027	0	0	0	0	0	0	NM_144545	eukaryotic translation initiation factor 3, subunit J (Eif3j), mRNA.	Mme-M400000992	ILMN_2717961	0	0
73830	Eif3k	0.261	0.045	0.015	0	0	0	0	0	0	NM_028659	eukaryotic translation initiation factor 3, subunit K (Eif3k), mRNA.	Mme-M200006614	ILMN_2718416	0	0
223691	Eif3l	-0.036	0.088	-0.097	0	0	0	0	0	0	NM_145139	eukaryotic translation initiation factor 3, subunit E interacting protein (Eif3eip), mRNA.	Mme-M200013087	ILMN_2613044	0	0
13681	Eif4a1	0.107	0.205	-0.055	0	0	0	0	0	0	NM_144958	eukaryotic translation initiation factor 4A1 (Eif4a1), mRNA.	Mme-M400000306	ILMN_2959480	0	0
13682	Eif4a2	0.155	0.149	-0.004	0	0	0	0	0	0	NM_013506	eukaryotic translation initiation factor 4A2 (Eif4a2), transcript variant 1, mRNA.	Mme-M300003570	ILMN_2702215	0	0
192170	Eif4a3	-0.036	0.083	-0.099	0	0	0	0	0	0	NM_138669	eukaryotic translation initiation factor 4A, isoform 3 (Eif4a3), mRNA.	Mme-M400000843	ILMN_2588254	0	0
75705	Eif4b	0.086	-0.043	-0.202	0	0	0	0	0	0	NM_145625	eukaryotic translation initiation factor 4B (Eif4b), mRNA.	Mme-M400006431	ILMN_2753323	0	0
13684	Eif4e	0.326	0.097	-0.062	0	0	0	0	0	0	NM_007917	eukaryotic translation initiation factor 4E (Eif4e), mRNA.	Mme-M200001516	ILMN_1260038	0	0
218268	Eif4e1b	0.265	0.026	-0.005	0	0	0	0	0	0	NM_001033269	eukaryotic translation initiation factor 4E family member 1B (Eif4e1b), transcript variant 1, mRNA.	Mme-M400007917	ILMN_3024781	0	0
26987	Eif4e2	-0.375	0.054	-0.019	0	0	0	0	0	0	NM_023314	eukaryotic translation initiation factor 4E member 2 (Eif4e2), transcript variant 3, mRNA.	Mme-M300005005	ILMN_2766616	0	0
66892	Eif4e3	0.326	0.169	-0.040	0	0	0	0	0	0	NM_025829	eukaryotic translation initiation factor 4E member 3 (Eif4e3), mRNA.	Mme-M300006984	ILMN_2643291	0	0
13688	Eif4ebp2	0.260	-0.094	-0.399	0	0	-1	0	0	0	NM_010124	eukaryotic translation initiation factor 4E binding protein 2 (Eif4ebp2), mRNA.	Mme-M200009288	ILMN_2673566	0	0
108112	Eif4ebp3	0.111	-0.001	0.056	0	0	0	0	0	0	NM_201256	eukaryotic translation initiation factor 4E binding protein 3 (Eif4ebp3), mRNA.	Mme-M300008935	ILMN_2895312	0	0
74203	Eif4enif1	-0.406	-0.172	0.065	0	0	0	0	0	0	NM_023743	eukaryotic translation initiation factor 4E nuclear import factor 1 (Eif4enif1), mRNA.	Mme-M200009332	ILMN_2726950	0	0
208643	Eif4g1	0.319	-0.120	-0.176	0	0	0	0	0	0	NM_001005331	eukaryotic translation initiation factor 4, gamma 1 (Eif4g1), transcript variant 2, mRNA.	Mme-M300000966	ILMN_3159387	0	0
13690	Eif4g2	0.273	-0.012	0.055	0	0	0	0	0	0	NM_001040131	eukaryotic translation initiation factor 4, gamma 2 (Eif4g2), transcript variant 2, mRNA.	Mme-M300000699	ILMN_2625167	0	0
230861	Eif4g3	-0.122	-0.234	0.126	0	0	0	0	0	0	NM_172703	eukaryotic translation initiation factor 4 gamma, 3 (Eif4g3), mRNA.	Mme-M300006269	ILMN_1252127	0	0
22384	Eif4h	-0.198	0.029	-0.092	0	0	0	0	0	0	NM_033561	eukaryotic translation initiation factor 4H (Eif4h), mRNA.	Mme-M300012822	ILMN_1243395	0	0
217869	Eif5	0.134	-0.074	0.036	0	0	0	0	0	0	NM_178041	eukaryotic translation initiation factor 5 (Eif5), transcript variant 2, mRNA.	Mme-M400012261	ILMN_3151345	0	0
276770	Eif5a	0.337	0.193	0.100	0	0	0	0	0	0	NM_181582	eukaryotic translation initiation factor 5A (Eif5a), mRNA.	Mme-M200012720	ILMN_1251631	0	0
208691	Eif5a2	-0.236	0.004	-0.045	0	0	0	0	0	0	NM_177586	eukaryotic translation initiation factor 5A2 (Eif5a2), mRNA.	Mme-M300020902	ILMN_2614230	0	0
226982	Eif5b	0.253	-0.026	0.127	0	0	0	0	0	0	NM_198303	eukaryotic translation initiation factor 5B (Eif5b), mRNA.	Mme-M400004641	ILMN_2744399	0	0
16418	Eif6	0.168	0.202	-0.086	0	0	0	0	0	0	NM_010579	eukaryotic translation initiation factor 6 (Eif6), mRNA.	Mme-M200004497	ILMN_1220294	0	0
114615	Elac1	-0.246	-0.109	-0.188	0	0	0	0	0	0	NM_053255	elaC homolog 1 (E. coli) (Elac1), mRNA.	Mme-M400011784	ILMN_2497945	0	0
68626	Elac2	-0.028	-0.283	-0.100	0	0	0	0	0	0	NM_023479	elaC homolog 2 (E. coli) (Elac2), mRNA.	Mme-M200016357	ILMN_1212672	0	0
50701	Elane	-0.033	0.306	0.048	0	0	0	0	0	0	NM_015779	elastase 2, neutrophil (Ela2), mRNA.	Mme-M300002013	ILMN_1221700	0	0
15568	Elavl1	0.161	-0.174	0.200	0	0	0	0	0	0	NM_010485	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R) (Elavl1), mRNA.	Mme-M400014069	ILMN_1226834	0	0
15569	Elavl2	0.000	-0.283	0.154	0	0	0	0	0	0	NM_207686	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B) (Elavl2), transcript variant 3, mRNA.	Mme-M200001464	ILMN_2604028	0	0
15571	Elavl3	0.016	-0.119	0.060	0	0	0	0	0	0	NM_010487	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C) (Elavl3), mRNA.	Mme-M200001353	ILMN_2718837	0	0
15572	Elavl4	-0.156	-0.188	0.208	0	0	0	0	0	0	NM_001038698	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D) (Elavl4), transcript variant 2, mRNA.	Mme-M300006151	ILMN_2734000	0	0
72735	Eldr	0.182	-0.111	0.010	0	0	0	0	0	0	XM_922379	PREDICTED: RIKEN cDNA 2810442I21 gene, transcript variant 5 (2810442I21Rik), mRNA.	Mme-M400013833	ILMN_2431292	0	0
13709	Elf1	0.123	-0.173	0.106	0	0	0	0	0	0	NM_007920	E74-like factor 1 (Elf1), mRNA.	Mme-M300010392	ILMN_2659380	0	0
69257	Elf2	0.117	0.139	0.080	0	0	0	0	0	0	NM_023502	E74-like factor 2 (Elf2), mRNA.	Mme-M200014532	ILMN_2748337	0	0
13710	Elf3	-0.598	-0.209	-0.053	0	0	0	0	0	0	NM_007921	E74-like factor 3 (Elf3), mRNA.	Mme-M300000371	ILMN_2621659	0	0
56501	Elf4	0.300	0.127	-0.013	0	0	0	0	0	0	NM_019680	E74-like factor 4 (ets domain transcription factor) (Elf4), mRNA.	Mme-M200013871	ILMN_2672054	0	0
13711	Elf5	0.023	-0.505	-0.042	0	-1	0	0	0	0	NM_010125	E74-like factor 5 (Elf5), mRNA.	Mme-M200003983	ILMN_2736380	0	0
243312	Elfn1	-0.130	0.291	-0.099	0	0	0	0	0	0	NM_175522	leucine rich repeat and fibronectin type III, extracellular 1 (Elfn1), mRNA.	Mme-M300019758	ILMN_2606433	0	0
207393	Elfn2	0.148	0.232	-0.072	0	0	0	0	0	0	NM_183141	leucine rich repeat and fibronectin type III, extracellular 2 (Elfn2), mRNA.	Mme-M300014529	ILMN_1239570	0	0
13712	Elk1	0.069	-0.009	0.043	0	0	0	0	0	0	NM_007922	ELK1, member of ETS oncogene family (Elk1), mRNA.	Mme-M300001040	ILMN_2761985	0	0
13713	Elk3	0.465	0.066	-0.112	0	0	0	0	0	0	NM_013508	ELK3, member of ETS oncogene family (Elk3), transcript variant 1, mRNA.	Mme-M400012618	ILMN_1224644	0	0
13714	Elk4	-0.054	0.057	0.054	0	0	0	0	0	0	NM_007923	ELK4, member of ETS oncogene family (Elk4), mRNA.	Mme-M200012272	ILMN_2940961	0	0
13716	Ell	0.163	-0.109	-0.021	0	0	0	0	0	0	NM_007924	elongation factor RNA polymerase II (Ell), mRNA.	Mme-M400010781	ILMN_2751304	0	0
192657	Ell2	-0.282	-0.076	-0.019	0	0	0	0	0	0	NM_138953	elongation factor RNA polymerase II 2 (Ell2), mRNA.	Mme-M300000204	ILMN_2628426	0	0
269344	Ell3	-0.008	-0.706	0.036	0	-1	0	0	-1	0	NM_145973	elongation factor RNA polymerase II-like 3 (Ell3), mRNA.	Mme-M300005534	ILMN_2627179	0	1
140580	Elmo1	-0.277	0.355	-0.153	0	0	0	0	0	0	NM_198093	engulfment and cell motility 1, ced-12 homolog (C. elegans) (Elmo1), transcript variant 2, mRNA.	Mme-M400002477	ILMN_2658407	0	0
140579	Elmo2	-0.087	0.165	-0.104	0	0	0	0	0	0	NM_080287	engulfment and cell motility 2, ced-12 homolog (C. elegans) (Elmo2), transcript variant 3, mRNA.	Mme-M200007703	ILMN_3135409	0	0
234683	Elmo3	0.350	-0.221	-0.122	0	0	0	0	0	0	NM_172760	engulfment and cell motility 3, ced-12 homolog (C. elegans) (Elmo3), mRNA.	Mme-M300001335	ILMN_1219244	0	0
270162	Elmod1	0.260	0.352	-0.150	0	0	0	0	0	0	NM_177769	ELMO domain containing 1 (Elmod1), mRNA.	Mme-M300013452	ILMN_1216751	0	0
244548	Elmod2	0.019	0.026	0.040	0	0	0	0	0	0	NM_178736	ELMO domain containing 2 (Elmod2), mRNA.	Mme-M300009736	ILMN_1219931	0	0
232089	Elmod3	-0.020	0.110	0.160	0	0	0	0	0	0	NM_144917	RNA binding motif and ELMO domain 1 (Rbed1), mRNA.	Mme-M400005599	ILMN_2742244	0	0
238317	Elmsan1	0.064	0.060	-0.047	0	0	0	0	0	0	XM_001473233	PREDICTED: RIKEN cDNA C130039O16 gene (C130039O16Rik), mRNA.	Mme-M300013736	ILMN_2754119	0	0
13717	Eln	-0.044	-0.340	-0.009	0	0	0	0	0	0	NM_007925	elastin (Eln), mRNA.	Mme-M400001192	ILMN_2697304	0	0
66126	Elof1	0.346	-0.055	-0.093	0	0	0	0	0	0	NM_170777	elongation factor 1 homolog (ELF1, S. cerevisiae) (Elof1), mRNA.	Mme-M300001241	ILMN_1231371	0	0
54325	Elovl1	0.105	-0.381	-0.181	0	0	0	0	0	0	NM_001039175	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1 (Elovl1), transcript variant 3, mRNA	Mme-M200006507	ILMN_3143506	0	0
54326	Elovl2	-0.212	-0.016	-0.016	0	0	0	0	0	0	NM_019423	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2 (Elovl2), mRNA.	Mme-M200000978	ILMN_2714222	0	0
12686	Elovl3	0.129	-1.959	0.077	0	-1	0	0	-1	0	NM_007703	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3 (Elovl3), mRNA.	Mme-M300011750	ILMN_2682207	0	1
83603	Elovl4	0.200	0.240	0.089	0	0	0	0	0	0	NM_148941	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4 (Elovl4), mRNA.	Mme-M200015630	ILMN_1250507	0	0
68801	Elovl5	0.199	-0.494	0.198	0	-1	0	0	0	0	NM_134255	ELOVL family member 5, elongation of long chain fatty acids (yeast) (Elovl5), mRNA.	Mme-M200003737	ILMN_2652757	0	0
170439	Elovl6	0.011	-0.355	0.104	0	0	0	0	0	0	NM_130450	ELOVL family member 6, elongation of long chain fatty acids (yeast) (Elovl6), mRNA.	Mme-M200005251	ILMN_2614752	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
58523	Elp2	0.221	0.118	0.100	0	0	0	0	0	0	NM_021448	elongation protein 2 homolog (S. cerevisiae) (Elp2), mRNA.	Mme-M200005096	ILMN_2894751	0	0
74195	Elp3	0.032	0.058	-0.110	0	0	0	0	0	0	NM_028811	elongation protein 3 homolog (S. cerevisiae) (Elp3), mRNA.	Mme-M200006616	ILMN_1246873	0	0
77766	Elp4	-0.097	0.055	0.044	0	0	0	0	0	0	NM_023876	elongation protein 4 homolog (S. cerevisiae) (Elp4), mRNA.	Mme-M200007435	ILMN_2592439	0	0
54351	Elp5	0.167	0.181	-0.134	0	0	0	0	0	0	NM_018740	retinoic acid induced 12 (Rai12), mRNA.	Mme-M200003234	ILMN_1214951	0	0
72341	Elp6	0.060	-0.090	-0.067	0	0	0	0	0	0	NM_001081381	transmembrane protein 103 (Tmem103), mRNA.	Mme-M400009650	ILMN_1251253	0	0
13723	Emb	0.237	-0.015	0.093	0	0	0	0	0	0	NM_010330	embigin (Emb), mRNA.	Mme-M300002923	ILMN_1218799	0	0
69683	Emc10	-0.080	-0.224	-0.146	0	0	0	0	0	0	NM_197991	RIKEN cDNA 2310044H10 gene (2310044H10Rik), mRNA.	Mme-M400012570	ILMN_1247131	0	0
66736	Emc2	0.199	0.073	-0.047	0	0	0	0	0	0	NM_025736	tetratricopeptide repeat domain 35 (Ttc35), mRNA.	Mme-M300003219	ILMN_1221921	0	0
66087	Emc3	0.139	0.136	-0.043	0	0	0	0	0	0	NM_175101	transmembrane protein 111 (Tmem111), mRNA.	Mme-M200005940	ILMN_1228253	0	0
68032	Emc4	-0.016	0.065	0.096	0	0	0	0	0	0	NM_026519	transmembrane protein 85 (Tmem85), mRNA.	Mme-M300005483	ILMN_2809247	0	0
66048	Emc6	0.026	-0.055	-0.030	0	0	0	0	0	0	NM_025318	transmembrane protein 93 (Tmem93), mRNA.	Mme-M200005829	ILMN_2660815	0	0
73024	Emc7	0.076	-0.209	0.057	0	0	0	0	0	0	NM_133749	RIKEN cDNA 2900064A13 gene (2900064A13Rik), mRNA.	Mme-M400005354	ILMN_2755059	0	0
18117	Emc8	0.039	-0.050	-0.087	0	0	0	0	0	0	NM_010926	COX4 neighbor (Cox4nb), mRNA.	Mme-M200004282	ILMN_2644606	0	0
85308	Emc9	-0.049	-0.214	0.055	0	0	0	0	0	0	NM_033146	RIKEN cDNA 1500005A01 gene (1500005A01Rik), mRNA.	Mme-M200008303	ILMN_1226261	0	0
59308	Emcn	0.327	0.280	0.110	0	0	0	0	0	0	NM_016885	endomucin (Emcn), mRNA.	Mme-M400011270	ILMN_1259365	0	0
13726	Emd	-0.004	0.183	-0.159	0	0	0	0	0	0	NM_007927	emerin (Emd), mRNA.	Mme-M200003703	ILMN_2630593	0	0
268465	Eme1	0.097	0.142	-0.087	0	0	0	0	0	0	NM_177752	essential meiotic endonuclease 1 homolog 1 (S. pombe) (Eme1), mRNA.	Mme-M300011911	ILMN_1246446	0	0
14791	Emg1	0.347	0.174	0.266	0	0	0	0	0	0	NM_013536	EMG1 nucleolar protein homolog (S. cerevisiae) (Emg1), mRNA.	Mme-M200002355	ILMN_2735981	0	0
140703	Emid1	-0.217	0.054	0.102	0	0	0	0	0	0	NM_080595	EMI domain containing 1 (Emid1), mRNA.	Mme-M300009184	ILMN_1260009	0	0
100952	Emilin1	0.353	0.084	-0.013	0	0	0	0	0	0	NM_133918	elastin microfibril interfacer 1 (Emilin1), mRNA.	Mme-M200014441	ILMN_2668462	0	0
246707	Emilin2	0.011	0.498	0.158	0	1	0	0	0	0	NM_145158	elastin microfibril interfacer 2 (Emilin2), mRNA.	Mme-M300003880	ILMN_2981363	0	0
280635	Emilin3	-0.054	0.092	0.001	0	0	0	0	0	0	NM_182840	elastin microfibril interfacer 3 (Emilin3), mRNA.	Mme-M300021375	ILMN_2692258	0	0
72205	Eml2	0.133	-0.054	0.028	0	0	0	0	0	0	XM_919238	PREDICTED: echinoderm microtubule associated protein like 2, transcript variant 9 (Eml2), mRNA.	Mme-M200009729	ILMN_2601281	0	0
225898	Eml3	-0.020	-0.155	0.042	0	0	0	0	0	0	NM_144872	echinoderm microtubule associated protein like 3 (Eml3), mRNA.	Mme-M200007041	ILMN_2830983	0	0
78798	Eml4	0.127	0.043	0.029	0	0	0	0	0	0	NM_199466	echinoderm microtubule associated protein like 4 (Eml4), transcript variant 3, mRNA.	Mme-M200015902	ILMN_1253677	0	0
319670	Eml5	0.224	0.072	-0.111	0	0	0	0	0	0	NM_001081191	echinoderm microtubule associated protein like 5 (Eml5), mRNA.	Mme-M400008830	ILMN_2716820	0	0
237711	Eml6	-0.154	0.018	0.106	0	0	0	0	0	0	NM_146016	RIKEN cDNA C230094A16 gene (C230094A16Rik), mRNA.	Mme-M300014959	ILMN_1220973	0	0
13730	Emp1	0.160	0.318	0.110	0	0	0	0	0	0	NM_010128	epithelial membrane protein 1 (Emp1), mRNA.	Mme-M200006789	ILMN_2642913	0	0
13731	Emp2	0.213	-0.240	0.011	0	0	0	0	0	0	NM_007929	epithelial membrane protein 2 (Emp2), mRNA.	Mme-M400010782	ILMN_2598103	0	0
13732	Emp3	0.148	0.220	-0.089	0	0	0	0	0	0	NM_010129	epithelial membrane protein 3 (Emp3), mRNA.	Mme-M200003944	ILMN_2984744	0	0
13796	Emx1	0.292	-0.004	-0.031	0	0	0	0	0	0	NM_010131	empty spiracles homolog 1 (Drosophila) (Emx1), mRNA.	Mme-M300008910	ILMN_2712356	0	0
13797	Emx2	0.073	-0.097	-0.059	0	0	0	0	0	0	NM_010132	empty spiracles homolog 2 (Drosophila) (Emx2), mRNA.	Mme-M400002826	ILMN_1237798	0	0
329078	Emx2os	0.052	0.029	-0.028	0	0	0	0	0	0	NR_002863	empty spiracles homolog 2 (Drosophila) opposite strand (Emx2os) on chromosome 19.	Mme-M400016365	ILMN_2429356	0	0
13798	En1	-0.156	-0.094	0.098	0	0	0	0	0	0	NM_010133	engrailed 1 (En1), mRNA.	Mme-M400006437	ILMN_3163581	0	0
13799	En2	-0.191	-0.091	-0.123	0	0	0	0	0	0	NM_010134	engrailed 2 (En2), mRNA.	Mme-M400002225	ILMN_2726471	0	0
13800	Enah	-0.165	-0.178	-0.042	0	0	0	0	0	0	NM_001083121	enabled homolog (Drosophila) (Enah), transcript variant 4, mRNA.	Mme-M400000630	ILMN_2636855	0	0
13801	Enam	-0.187	0.097	0.055	0	0	0	0	0	0	NM_017468	enamelin (Enam), mRNA.	Mme-M200002640	ILMN_1231606	0	0
13803	Enc1	0.030	0.073	-0.045	0	0	0	0	0	0	NM_007930	ectodermal-neural cortex 1 (Enc1), mRNA.	Mme-M200007621	ILMN_1237886	0	0
71946	Endod1	-0.097	-0.057	0.063	0	0	0	0	0	0	NM_028013	endonuclease domain containing 1 (Endod1), mRNA.	Mme-M400003536	ILMN_2733356	0	0
13804	Endog	0.078	-0.184	0.128	0	0	0	0	0	0	NM_007931	endonuclease G (Endog), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001749	ILMN_1244281	0	0
19011	Endou	-0.107	0.005	0.034	0	0	0	0	0	0	NM_008902	placental protein 11 related (Pp11r), mRNA.	Mme-M200000367	ILMN_1238109	0	0
338371	Endov	-0.162	-0.093	0.013	0	0	0	0	0	0	NM_177394	RIKEN cDNA A730011L01 gene (A730011L01Rik), mRNA.	Mme-M300012409	ILMN_2591589	0	0
13805	Eng	0.373	0.169	-0.016	0	0	0	0	0	0	NM_007932	endoglin (Eng), mRNA.	Mme-M200001997	ILMN_1229161	0	0
217364	Engase	0.042	-0.068	-0.095	0	0	0	0	0	0	NM_172573	RIKEN cDNA D230014K01 gene (D230014K01Rik), mRNA.	Mme-M300008985	ILMN_2687121	0	0
102124	Enkd1	0.284	-0.014	-0.027	0	0	0	0	0	0	NM_198299	RIKEN cDNA E130303B06 gene (E130303B06Rik), mRNA.	Mme-M300001213	ILMN_2706129	0	0
71233	Enkur	-0.123	0.069	0.008	0	0	0	0	0	0	NM_027728	RIKEN cDNA 4933434I06 gene (4933434I06Rik), mRNA.	Mme-M200005640	ILMN_1216601	0	0
433182	Eno1b	-0.059	0.077	-0.011	0	0	0	0	0	0	NM_001025388	predicted gene, EG433182 (EG433182), mRNA.	Mme-M400009323	ILMN_2958159	0	0
13807	Eno2	0.064	0.096	-0.083	0	0	0	0	0	0	NM_013509	enolase 2, gamma neuronal (Eno2), mRNA.	Mme-M200001502	ILMN_2763002	0	0
226265	Eno4	-0.119	-0.028	-0.152	0	0	0	0	0	0	NM_178689	RIKEN cDNA 6430537H07 gene (6430537H07Rik), mRNA.	Mme-M300018852	ILMN_3007065	0	0
67870	Enoph1	0.240	-0.158	0.153	0	0	0	0	0	0	NM_026421	enolase-phosphatase 1 (Enoph1), mRNA.	Mme-M200003035	ILMN_1233630	0	0
239188	Enox1	-0.237	-0.137	0.050	0	0	0	0	0	0	NM_172813	ecto-NOX disulfide-thiol exchanger 1 (Enox1), mRNA.	Mme-M300003064	ILMN_2749695	0	0
209224	Enox2	0.003	-0.079	0.120	0	0	0	0	0	0	NM_145951	ecto-NOX disulfide-thiol exchanger 2 (Enox2), mRNA.	Mme-M300007561	ILMN_1227727	0	0
13809	Enpep	0.062	-0.049	-0.055	0	0	0	0	0	0	NM_007934	glutamyl aminopeptidase (Enpep), mRNA.	Mme-M200000431	ILMN_2654664	0	0
18605	Enpp1	-0.234	0.092	0.549	0	0	1	0	0	1	NM_008813	ectonucleotide pyrophosphatase/phosphodiesterase 1 (Enpp1), mRNA.	Mme-M200005481	ILMN_1231851	1	0
18606	Enpp2	0.238	-0.044	-0.426	0	0	-1	0	0	-1	NM_015744	ectonucleotide pyrophosphatase/phosphodiesterase 2 (Enpp2), mRNA.	Mme-M200005834	ILMN_2772998	0	1
209558	Enpp3	-0.159	0.008	-0.075	0	0	0	0	0	0	NM_134005	ectonucleotide pyrophosphatase/phosphodiesterase 3 (Enpp3), mRNA.	Mme-M400000352	ILMN_1258381	0	0
224794	Enpp4	0.227	0.115	0.396	0	0	1	0	0	0	NM_199016	ectonucleotide pyrophosphatase/phosphodiesterase 4 (Enpp4), mRNA.	Mme-M300003836	ILMN_2762380	0	0
83965	Enpp5	-0.312	0.086	0.043	0	0	0	0	0	0	NM_032003	ectonucleotide pyrophosphatase/phosphodiesterase 5 (Enpp5), mRNA.	Mme-M200006863	ILMN_1217118	0	0
320981	Enpp6	0.157	-0.103	0.227	0	0	0	0	0	0	NM_177304	ectonucleotide pyrophosphatase/phosphodiesterase 6 (Enpp6), mRNA.	Mme-M300011389	ILMN_2766894	0	0
238011	Enpp7	-0.093	-0.050	-0.023	0	0	0	0	0	0	NM_001030291	ectonucleotide pyrophosphatase/phosphodiesterase 7 (Enpp7), mRNA.	Mme-M400003194	ILMN_3075190	0	0
56205	Ensa	0.087	0.241	-0.093	0	0	0	0	0	0	NM_019561	endosulfine alpha (Ensa), transcript variant 1, mRNA.	Mme-M400011316	ILMN_2763294	0	0
78777	Enthd2	0.125	0.147	-0.007	0	0	0	0	0	0	NM_183137	RIKEN cDNA 2410002I01 gene (2410002I01Rik), mRNA.	Mme-M200004666	ILMN_2775300	0	0
12495	Entpd1	0.139	-0.035	0.060	0	0	0	0	0	0	NM_009848	ectonucleoside triphosphate diphosphohydrolase 1 (Entpd1), mRNA.	Mme-M200001074	ILMN_2659560	0	0
12496	Entpd2	0.025	0.093	-0.125	0	0	0	0	0	0	NM_009849	ectonucleoside triphosphate diphosphohydrolase 2 (Entpd2), mRNA.	Mme-M300001354	ILMN_1237670	0	0
215446	Entpd3	-0.167	-0.134	-0.076	0	0	0	0	0	0	NM_178676	ectonucleoside triphosphate diphosphohydrolase 3 (Entpd3), mRNA.	Mme-M300013252	ILMN_2896322	0	0
67464	Entpd4	0.170	-0.083	-0.039	0	0	0	0	0	0	NM_026174	ectonucleoside triphosphate diphosphohydrolase 4 (Entpd4), mRNA.	Mme-M400011543	ILMN_2589312	0	0
12499	Entpd5	0.184	-0.148	0.070	0	0	0	0	0	0	NM_007647	ectonucleoside triphosphate diphosphohydrolase 5 (Entpd5), transcript variant 1, mRNA.	Mme-M200002896	ILMN_2433685	0	0
12497	Entpd6	-0.037	0.106	0.110	0	0	0	0	0	0	NM_172117	ectonucleoside triphosphate diphosphohydrolase 6 (Entpd6), mRNA.	Mme-M400013794	ILMN_1239319	0	0
93685	Entpd7	0.143	-0.047	-0.233	0	0	0	0	0	0	NM_053103	ectonucleoside triphosphate diphosphohydrolase 7 (Entpd7), mRNA.	Mme-M300004504	ILMN_2543655	0	0
72090	Entpd8	0.045	-0.113	-0.005	0	0	0	0	0	0	NM_028093	ectonucleoside triphosphate diphosphohydrolase 8 (Entpd8), mRNA.	Mme-M200007365	ILMN_2744998	0	0
223527	Eny2	0.035	-0.017	0.033	0	0	0	0	0	0	NM_175009	enhancer of yellow 2 homolog (Drosophila) (Eny2), mRNA.	Mme-M300003220	ILMN_2703032	0	0
101351	Eogt	0.140	0.085	-0.027	0	0	0	0	0	0	NM_175313	RIKEN cDNA A130022J15 gene (A130022J15Rik), mRNA.	Mme-M300009806	ILMN_2650183	0	0
13813	Eomes	0.119	0.141	0.034	0	0	0	0	0	0	NM_010136	eomesodermin homolog (Xenopus laevis) (Eomes), mRNA.	Mme-M200004602	ILMN_1251446	0	0
328572	Ep300	-0.090	-0.034	0.082	0	0	0	0	0	0	NM_177821	E1A binding protein p300 (Ep300), mRNA.	Mme-M400002948	ILMN_2800358	0	0
75560	Ep400	0.020	0.006	0.052	0	0	0	0	0	0	NM_029337	E1A binding protein p400 (Ep400), mRNA.	Mme-M300006713	ILMN_2575376	0	0
13819	Epas1	0.223	0.055	0.080	0	0	0	0	0	0	NM_010137	endothelial PAS domain protein 1 (Epas1), mRNA.	Mme-M200000575	ILMN_2671698	0	0
13821	Epb4.1l1	-0.380	0.208	-0.083	0	0	0	0	0	0	NM_001006664	erythrocyte protein band 4.1-like 1 (Epb4.1l1), transcript variant 3, mRNA.	Mme-M200003959	ILMN_1217998	0	0
13822	Epb4.1l2	0.193	0.059	0.092	0	0	0	0	0	0	NM_013511	erythrocyte protein band 4.1-like 2 (Epb4.1l2), mRNA.	Mme-M400008704	ILMN_2488835	0	0
13823	Epb4.1l3	-0.288	-0.074	0.097	0	0	0	0	0	0	NM_013813	erythrocyte protein band 4.1-like 3 (Epb4.1l3), mRNA.	Mme-M300003876	ILMN_2618996	0	0
13824	Epb4.1l4a	0.087	-0.191	-0.067	0	0	0	0	0	0	NM_013512	erythrocyte protein band 4.1-like 4a (Epb4.1l4a), mRNA.	Mme-M200001346	ILMN_1220939	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
54357	Epb4.1l4b	0.062	0.108	0.122	0	0	0	0	0	0	NM_019427	erythrocyte protein band 4.1-like 4b (Epb4.1l4b), mRNA.	Mme-M200005891	ILMN_2775064	0	0
226352	Epb4.1l5	-0.288	-0.172	-0.058	0	0	0	0	0	0	NM_001113416	erythrocyte protein band 4.1-like 5 (Epb4.1l5), transcript variant 2, mRNA.	Mme-M200014613	ILMN_1247070	0	0
13828	Epb4.2	-0.250	0.046	-0.040	0	0	0	0	0	0	NM_013513	erythrocyte protein band 4.2 (Epb4.2), mRNA.	Mme-M300003703	ILMN_2649240	0	0
13831	Epc1	0.255	0.059	-0.270	0	0	0	0	0	0	NM_007935	enhancer of polycomb homolog 1 (Drosophila) (Epc1), transcript variant 1, mRNA.	Mme-M300004011	ILMN_2623032	0	0
227867	Epc2	0.327	-0.017	-0.017	0	0	0	0	0	0	NM_172663	enhancer of polycomb homolog 2 (Drosophila) (Epc2), mRNA.	Mme-M300005270	ILMN_2722650	0	0
17075	Epcam	0.109	-0.032	-0.133	0	0	0	0	0	0	NM_008532	tumor-associated calcium signal transducer 1 (Tacstd1), mRNA.	Mme-M300016355	ILMN_1240539	0	0
105298	Epdr1	0.102	0.058	-0.059	0	0	0	0	0	0	NM_134065	ependymin related protein 1 (zebrafish) (Epdr1), mRNA.	Mme-M200003518	ILMN_1225494	0	0
71920	Epgn	-0.433	0.034	0.008	0	0	0	0	0	0	NM_053087	epithelial mitogen (Epgn), mRNA.	Mme-M200014751	ILMN_2753623	0	0
13835	Epha1	0.003	-0.122	-0.117	0	0	0	0	0	0	NM_023580	Eph receptor A1 (Epha1), mRNA.	Mme-M200009121	ILMN_2633996	0	0
230735	Epha10	-0.225	0.034	-0.060	0	0	0	0	0	0	NM_177671	Eph receptor A10 (Epha10), mRNA.	Mme-M300006344	ILMN_2675125	0	0
13836	Epha2	-0.136	0.122	-0.062	0	0	0	0	0	0	NM_010139	Eph receptor A2 (Epha2), mRNA.	Mme-M300000805	ILMN_2688653	0	0
13837	Epha3	0.155	-0.150	-0.070	0	0	0	0	0	0	NM_010140	Eph receptor A3 (Epha3), mRNA.	Mme-M400004146	ILMN_2629804	0	0
13838	Epha4	0.611	-0.068	0.040	0	0	0	0	0	0	NM_007936	Eph receptor A4 (Epha4), mRNA.	Mme-M200001251	ILMN_2724014	0	0
13839	Epha5	-0.010	0.244	-0.100	0	0	0	0	0	0	NM_007937	Eph receptor A5 (Epha5), mRNA.	Mme-M400006395	ILMN_2433635	0	0
13840	Epha6	-0.101	0.029	-0.043	0	0	0	0	0	0	NM_007938	Eph receptor A6 (Epha6), mRNA.	Mme-M300019146	ILMN_1237726	0	0
13841	Epha7	0.174	-0.254	-0.169	0	0	0	0	0	0	NM_010141	Eph receptor A7 (Epha7), transcript variant 1, mRNA.	Mme-M300006033	ILMN_2826671	0	0
13842	Epha8	-0.123	-0.086	-0.059	0	0	0	0	0	0	NM_007939	Eph receptor A8 (Epha8), mRNA.	Mme-M300019377	ILMN_2895412	0	0
270190	Ephb1	-0.009	0.157	-0.041	0	0	0	0	0	0	NM_173447	Eph receptor B1 (Ephb1), mRNA.	Mme-M300008302	ILMN_2672903	0	0
13844	Ephb2	-0.280	0.115	0.123	0	0	0	0	0	0	NM_010142	Eph receptor B2 (Ephb2), mRNA.	Mme-M300006218	ILMN_2622255	0	0
13845	Ephb3	-0.123	0.211	-0.068	0	0	0	0	0	0	NM_010143	Eph receptor B3 (Ephb3), mRNA.	Mme-M400000116	ILMN_1213216	0	0
13846	Ephb4	0.349	0.395	0.138	0	0	0	0	0	0	NM_010144	Eph receptor B4 (Ephb4), mRNA.	Mme-M200007597	ILMN_1230479	0	0
13848	Ephb6	-0.032	0.155	-0.098	0	0	0	0	0	0	NM_007680	Eph receptor B6 (Ephb6), mRNA.	Mme-M200000604	ILMN_2870074	0	0
13849	Ephx1	0.071	0.030	-0.152	0	0	0	0	0	0	NM_010145	epoxide hydrolase 1, microsomal (Ephx1), mRNA.	Mme-M200002766	ILMN_2664224	0	0
13850	Ephx2	0.195	-0.086	-0.003	0	0	0	0	0	0	NM_007940	epoxide hydrolase 2, cytoplasmic (Ephx2), mRNA.	Mme-M200003367	ILMN_1226688	0	0
71932	Ephx3	-0.188	0.095	-0.026	0	0	0	0	0	0	NM_001033163	abhydrolase domain containing 9 (Abhd9), mRNA.	Mme-M200011799	ILMN_1222751	0	0
384214	Ephx4	0.301	-0.120	-0.153	0	0	0	0	0	0	NM_001001804	abhydrolase domain containing 7 (Abhd7), mRNA.	Mme-M300008957	ILMN_1228797	0	0
13853	Epm2a	-0.021	-0.080	-0.008	0	0	0	0	0	0	NM_010146	epilepsy, progressive myoclonic epilepsy, type 2 gene alpha (Epm2a), mRNA.	Mme-M200016043	ILMN_2920454	0	0
77781	Epm2aip1	-0.082	-0.250	0.071	0	0	0	0	0	0	NM_175266	EPM2A (laforin) interacting protein 1 (Epm2aip1), mRNA.	Mme-M200013191	ILMN_1256740	0	0
13854	Epn1	0.070	0.035	0.131	0	0	0	0	0	0	NM_010147	epsin 1 (Epn1), mRNA.	Mme-M300009779	ILMN_1250501	0	0
13855	Epn2	0.045	-0.105	0.232	0	0	0	0	0	0	NM_010148	epsin 2 (Epn2), mRNA.	Mme-M200009272	ILMN_1218487	0	0
71889	Epn3	-0.267	-0.064	-0.017	0	0	0	0	0	0	NM_027984	epsin 3 (Epn3), mRNA.	Mme-M200006635	ILMN_1239908	0	0
13856	Epo	-0.086	-0.039	-0.029	0	0	0	0	0	0	NM_007942	erythropoietin (Epo), mRNA.	Mme-M300006834	ILMN_2742822	0	0
13857	Epor	0.266	0.039	-0.079	0	0	0	0	0	0	NM_010149	erythropoietin receptor (Epor), mRNA.	Mme-M200001009	ILMN_2749650	0	0
75526	Eppin	-0.094	0.025	0.109	0	0	0	0	0	0	NM_029325	serine protease inhibitor-like, with Kunitz and WAP domains 1 (eppin) (Spinlw1), mRNA.	Mme-M200011010	ILMN_1241630	0	0
223650	Eppk1	-0.140	-0.091	0.036	0	0	0	0	0	0	NM_144848	epiplakin 1 (Eppk1), mRNA.	Mme-M400002890	ILMN_2627523	0	0
107508	Eprs	-0.191	-0.057	-0.117	0	0	0	0	0	0	NM_029735	glutamyl-prolyl-tRNA synthetase (Eprs), mRNA.	Mme-M300005204	ILMN_3069857	0	0
13858	Eps15	0.001	-0.097	0.109	0	0	0	0	0	0	NM_007943	epidermal growth factor receptor pathway substrate 15 (Eps15), mRNA.	Mme-M200004452	ILMN_1228338	0	0
13859	Eps15l1	-0.041	0.083	-0.157	0	0	0	0	0	0	NM_007944	epidermal growth factor receptor pathway substrate 15-like 1 (Eps15l1), transcript variant 1, mRNA.	Mme-M200007787	ILMN_1225674	0	0
13860	Eps8	0.124	0.125	-0.080	0	0	0	0	0	0	NM_007945	epidermal growth factor receptor pathway substrate 8 (Eps8), mRNA.	Mme-M300001451	ILMN_2623776	0	0
67425	Eps8l1	-0.238	0.007	-0.058	0	0	0	0	0	0	NM_026146	EPS8-like 1 (Eps8l1), mRNA.	Mme-M400011541	ILMN_2720150	0	0
98845	Eps8l2	-0.318	-0.205	-0.268	0	0	0	0	0	0	NM_133191	EPS8-like 2 (Eps8l2), mRNA.	Mme-M300004666	ILMN_2821263	0	0
99662	Eps8l3	-0.093	0.027	0.012	0	0	0	0	0	0	NM_133867	ESP8-like 3 (Eps8l3), mRNA.	Mme-M200015435	ILMN_1224023	0	0
108670	Epsti1	-0.120	0.480	0.222	0	1	0	0	0	0	NM_029495	epithelial stromal interaction 1 (breast) (Epsti1), transcript variant a, mRNA.	Mme-M200015239	ILMN_2707865	0	0
28042	Ept1	-0.115	-0.073	0.032	0	0	0	0	0	0	NM_027652	DNA segment, Chr 5, Wayne State University 178, expressed (D5Wsu178e), mRNA.	Mme-M300011853	ILMN_1253323	0	0
13861	Epx	-0.005	0.033	-0.029	0	0	0	0	0	0	NM_007946	eosinophil peroxidase (Epx), mRNA.	Mme-M300001033	ILMN_1238851	0	0
13516	Epyc	0.073	0.016	-0.097	0	0	0	0	0	0	NM_007884	epiphycan (Epyc), mRNA.	Mme-M200002177	ILMN_2940568	0	0
67753	Eqtn	-0.021	0.025	0.041	0	0	0	0	0	0	NM_027089	RIKEN cDNA 4930579C15 gene (4930579C15Rik), mRNA.	Mme-M200012302	ILMN_2756396	0	0
57837	Eral1	-0.143	0.172	0.006	0	0	0	0	0	0	NM_022313	Era (G-protein)-like 1 (E. coli) (Eral1), mRNA.	Mme-M200004053	ILMN_2777394	0	0
80898	Erap1	0.196	0.024	0.090	0	0	0	0	0	0	NM_030711	endoplasmic reticulum aminopeptidase 1 (Erap1), mRNA.	Mme-M200015617	ILMN_2679591	0	0
353283	Eras	-0.034	-0.033	0.013	0	0	0	0	0	0	NM_181548	ES cell-expressed Ras (Eras), mRNA.	Mme-M300007587	ILMN_2844838	0	0
13866	Erbb2	-0.254	0.023	-0.045	0	0	0	0	0	0	NM_001003817	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avi	Mme-M300002443	ILMN_2739424	0	0
59079	Erbb2ip	0.230	-0.115	0.106	0	0	0	0	0	0	NM_021563	Erbb2 interacting protein (Erbb2ip), transcript variant 2, mRNA.	Mme-M200014249	ILMN_1244790	0	0
13867	Erbb3	-0.178	0.011	0.041	0	0	0	0	0	0	NM_010153	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) (Erbb3), mRNA.	Mme-M400000284	ILMN_1250597	0	0
13869	Erbb4	0.311	-0.058	-0.058	0	0	0	0	0	0	NM_010154	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) (Erbb4), mRNA.	Mme-M400006735	ILMN_2772217	0	0
111173	Erc1	-0.183	-0.057	-0.113	0	0	0	0	0	0	NM_053204	ELKS/RAB6-interacting/CAST family member 1 (Erc1), transcript variant 1, mRNA.	Mme-M300007052	ILMN_2772035	0	0
238988	Erc2	-0.038	-0.036	-0.003	0	0	0	0	0	0	NM_177814	ELKS/RAB6-interacting/CAST family member 2 (Erc2), mRNA.	Mme-M400012437	ILMN_1244989	0	0
13870	Ercc1	0.099	0.065	-0.036	0	0	0	0	0	0	NM_007948	excision repair cross-complementing rodent repair deficiency, complementation group 1 (Ercc1), mRNA.	Mme-M200001896	ILMN_2779703	0	0
13871	Ercc2	0.073	0.135	-0.049	0	0	0	0	0	0	NM_007949	excision repair cross-complementing rodent repair deficiency, complementation group 2 (Ercc2), mRNA.	Mme-M200014879	ILMN_2630344	0	0
13872	Ercc3	0.101	0.059	-0.126	0	0	0	0	0	0	NM_133658	excision repair cross-complementing rodent repair deficiency, complementation group 3 (Ercc3), mRNA.	Mme-M200003030	ILMN_1218154	0	0
50505	Ercc4	-0.081	-0.023	0.063	0	0	0	0	0	0	NM_015769	excision repair cross-complementing rodent repair deficiency, complementation group 4 (Ercc4), mRNA.	Mme-M200007967	ILMN_2728866	0	0
22592	Ercc5	0.029	-0.186	0.103	0	0	0	0	0	0	NM_011729	excision repair cross-complementing rodent repair deficiency, complementation group 5 (Ercc5), mRNA.	Mme-M200000839	ILMN_2769261	0	0
319955	Ercc6	-0.799	0.007	-0.098	-1	0	0	0	0	0	NM_001081221	excision repair cross-complementing rodent repair deficiency, complementation group 6 (Ercc6), mRNA.	Mme-M300003007	ILMN_2688327	0	0
76251	Ercc6l2	0.183	-0.292	0.122	0	0	0	0	0	0	NM_001013608	RIKEN cDNA 0610007P08 gene (0610007P08Rik), transcript variant 1, mRNA.	Mme-M200014247	ILMN_1224596	0	0
71991	Ercc8	-0.257	-0.102	-0.031	0	0	0	0	0	0	NM_028042	excision repaiross-complementing rodent repair deficiency, complementation group 8 (Ercc8), mRNA.	Mme-M300002896	ILMN_2629069	0	0
170942	Erdr1	0.020	0.138	-0.179	0	0	0	0	0	0	NM_133362	erythroid differentiation regulator 1 (Erdr1), mRNA.	Mme-M400011808	ILMN_2998658	0	0
13874	Ereg	0.114	0.042	-0.024	0	0	0	0	0	0	NM_007950	epiregulin (Ereg), mRNA.	Mme-M400001161	ILMN_2735702	0	0
13875	Erf	0.075	0.155	-0.081	0	0	0	0	0	0	NM_010155	Ets2 repressor factor (Erf), mRNA.	Mme-M300012904	ILMN_2650998	0	0
13876	Erg	-0.175	0.037	-0.048	0	0	0	0	0	0	NM_133659	avian erythroblastosis virus E-26 (v-ets) oncogene related (Erg), mRNA.	Mme-M300012824	ILMN_1253014	0	0
67458	Ergic1	0.178	-0.047	-0.020	0	0	0	0	0	0	NM_026170	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1 (Ergic1), mRNA.	Mme-M200007523	ILMN_2745433	0	0
67456	Ergic2	0.388	-0.229	0.078	0	0	0	0	0	0	NM_026168	ERGIC and golgi 2 (Ergic2), transcript variant 1, mRNA.	Mme-M300007124	ILMN_1256488	0	0
66366	Ergic3	0.282	0.135	-0.216	0	0	0	0	0	0	NM_025516	ERGIC and golgi 3 (Ergic3), mRNA.	Mme-M200009340	ILMN_2992541	0	0
13877	Erh	0.383	0.056	-0.088	0	0	0	0	0	0	NM_007951	enhancer of rudimentary homolog (Drosophila) (Erh), mRNA.	Mme-M300002571	ILMN_1217879	0	0
67276	Eri1	0.110	-0.060	-0.163	0	0	0	0	0	0	NM_026067	three prime histone mRNA exonuclease 1 (Thex1), mRNA.	Mme-M200015716	ILMN_1248763	0	0
71151	Eri2	-0.069	0.080	0.036	0	0	0	0	0	0	NM_027698	exonuclease domain containing 1 (Exod1), mRNA.	Mme-M400011617	ILMN_1221039	0	0
140546	Eri3	-0.138	0.074	-0.102	0	0	0	0	0	0	NM_080469	prion protein interacting protein 1 (Prnpip1), mRNA.	Mme-M200012821	ILMN_2743837	0	0
234086	Erich1	0.110	0.099	-0.068	0	0	0	0	0	0	NM_001034862	glutamate-rich 1 (Erich1), mRNA.	Mme-M400003954	ILMN_2849753	0	0
66748	Erich2	-0.185	0.039	-0.118	0	0	0	0	0	0	NM_025744	RIKEN cDNA 4933404M02 gene (4933404M02Rik), mRNA.	Mme-M300005476	ILMN_1249756	0	0
239368	Erich5	-0.137	-0.185	0.089	0	0	0	0	0	0	NM_173421	cDNA sequence BC030476 (BC030476), mRNA.	Mme-M300015724	ILMN_2819380	0	0
545527	Erich6	-0.116	-0.141	-0.037	0	0	0	0	0	0	NM_001081262	RIKEN cDNA 4932431H17 gene (4932431H17Rik), mRNA.	Mme-M300010376	ILMN_3026210	0	0
66753	Erlec1	0.383	0.073	0.086	0	0	0	0	0	0	NM_025745	RIKEN cDNA 4933407N01 gene (4933407N01Rik), mRNA.	Mme-M200014369	ILMN_2604205	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_signed_423	z3gIngly_signed_616	z3gIngly_signed_921	z4gIngly_signed_423	z4gIngly_signed_616	z4gIngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
226144	Erlin1	-0.066	-0.140	-0.109	0	0	0	0	0	0	NM_145502	ER lipid raft associated 1 (Erlin1), mRNA.	Mme-M200004763	ILMN_1224256	0	0
244373	Erlin2	0.251	-0.216	0.067	0	0	0	0	0	0	NM_153592	ER lipid raft associated 2 (Erlin2), mRNA.	Mme-M300007726	ILMN_2816315	0	0
27028	Ermap	0.135	0.115	0.146	0	0	0	0	0	0	NM_013848	erythroblast membrane-associated protein (Ermap), mRNA.	Mme-M300006209	ILMN_1257143	0	0
381062	Ermard	-0.057	-0.110	-0.097	0	0	0	0	0	0	NM_001039552	RIKEN cDNA 2210404J11 gene (2210404J11Rik), transcript variant 1, mRNA.	Mme-M400001909	ILMN_2605712	0	0
77767	Ermn	-0.329	0.048	-0.030	0	0	0	0	0	0	NM_029972	ermin, ERM-like protein (Ermn), mRNA.	Mme-M300005311	ILMN_2637438	0	0
226090	Ermp1	0.001	-0.205	0.094	0	0	0	0	0	0	NM_001081213	endoplasmic reticulum metallopeptidase 1 (Ermp1), mRNA.	Mme-M300004332	ILMN_1242286	0	0
78943	Ern1	0.374	0.063	0.054	0	0	0	0	0	0	NM_023913	endoplasmic reticulum (ER) to nucleus signalling 1 (Ern1), mRNA.	Mme-M200003027	ILMN_1221898	0	0
26918	Ern2	-0.121	-0.311	-0.044	0	0	0	0	0	0	NM_012016	endoplasmic reticulum (ER) to nucleus signalling 2 (Ern2), mRNA.	Mme-M200003909	ILMN_1214511	0	0
50527	Ero1l	0.049	0.101	0.084	0	0	0	0	0	0	NM_015774	ERO1-like (S. cerevisiae) (Ero1l), mRNA.	Mme-M200013120	ILMN_1224622	0	0
67475	Ero1lb	0.287	0.020	-0.031	0	0	0	0	0	0	NM_026184	ERO1-like beta (S. cerevisiae) (Ero1lb), mRNA.	Mme-M400004729	ILMN_2692960	0	0
69187	Erp27	-0.011	-0.021	0.010	0	0	0	0	0	0	NM_026983	endoplasmic reticulum protein 27 (Erp27), mRNA.	Mme-M200007398	ILMN_2888940	0	0
67397	Erp29	0.400	0.013	-0.266	0	0	0	0	0	0	NM_026129	endoplasmic reticulum protein 29 (Erp29), mRNA.	Mme-M200009774	ILMN_1239185	0	0
76299	Erp44	0.327	0.070	0.050	0	0	0	0	0	0	NM_029572	thioredoxin domain containing 4 (endoplasmic reticulum) (Txndc4), mRNA.	Mme-M200009542	ILMN_2493747	0	0
74155	Errfi1	0.049	-0.128	-0.051	0	0	0	0	0	0	NM_133753	ERBB receptor feedback inhibitor 1 (Errfi1), mRNA.	Mme-M200004189	ILMN_2714031	0	0
69524	Esam	0.096	0.121	0.017	0	0	0	0	0	0	NM_027102	endothelial cell-specific adhesion molecule (Esam1), mRNA.	Mme-M200013730	ILMN_2690839	0	0
77805	Esco1	0.158	-0.089	0.051	0	0	0	0	0	0	NM_001081222	establishment of cohesion 1 homolog 1 (S. cerevisiae) (Esco1), mRNA.	Mme-M200004076	ILMN_1231158	0	0
71988	Esco2	-0.208	0.077	0.119	0	0	0	0	0	0	NM_028039	establishment of cohesion 1 homolog 2 (S. cerevisiae) (Esco2), mRNA.	Mme-M200014513	ILMN_2834065	0	0
13885	Esd	-0.072	0.228	0.186	0	0	0	0	0	0	NM_016903	esterase D/formylglutathione hydrolase (Esd), mRNA.	Mme-M300003059	ILMN_1219686	0	0
66580	Esf1	0.340	0.001	-0.022	0	0	0	0	0	0	NM_001081090	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae) (Esf1), mRNA.	Mme-M300011875	ILMN_1242492	0	0
71690	Esm1	-0.074	-0.139	-0.047	0	0	0	0	0	0	NM_023612	endothelial cell-specific molecule 1 (Esm1), mRNA.	Mme-M300013658	ILMN_1257574	0	0
105988	Espl1	-0.137	0.195	-0.048	0	0	0	0	0	0	NM_001014976	extra spindle poles-like 1 (S. cerevisiae) (Espl1), mRNA.	Mme-M300010548	ILMN_2911855	0	0
56226	Espn	-0.306	-0.132	0.101	0	0	0	0	0	0	NM_019585	espin (Espn), transcript variant 6, mRNA.	Mme-M400009324	ILMN_3076219	0	0
227357	Espnl	-0.217	0.042	-0.051	0	0	0	0	0	0	NM_001033292	espin-like (Espnl), mRNA.	Mme-M400003564	ILMN_2789925	0	0
13982	Esr1	0.023	-0.075	-0.282	0	0	0	0	0	0	NM_007956	estrogen receptor 1 (alpha) (Esr1), mRNA.	Mme-M200002774	ILMN_2726412	0	0
13983	Esr2	-0.786	0.003	-0.110	-1	0	0	0	0	0	NM_010157	estrogen receptor 2 (beta) (Esr2), transcript variant 2, mRNA.	Mme-M400009938	ILMN_1236030	0	0
207920	Esrp1	-0.186	-0.101	0.004	0	0	0	0	0	0	NM_194055	RNA binding motif protein 35A (Rbm35a), mRNA.	Mme-M400002430	ILMN_2500297	0	0
77411	Esrp2	-0.134	-0.289	-0.067	0	0	0	0	0	0	NM_176838	RNA binding motif protein 35b (Rbm35b), mRNA.	Mme-M400012332	ILMN_1224254	0	0
26379	Esrra	-0.071	-0.163	0.055	0	0	0	0	0	0	NM_007953	estrogen related receptor, alpha (Esrra), mRNA.	Mme-M200000975	ILMN_2972292	0	0
26380	Esrrb	0.073	0.239	-0.203	0	0	0	0	0	0	NM_011934	estrogen related receptor, beta (Esrrb), mRNA.	Mme-M200016073	ILMN_1228497	0	0
26381	Esrrg	-0.007	0.135	0.065	0	0	0	0	0	0	NM_011935	estrogen-related receptor gamma (Esrrg), mRNA.	Mme-M200016068	ILMN_1245243	0	0
13984	Esx1	-0.180	-0.027	-0.086	0	0	0	0	0	0	NM_007957	extraembryonic, spermatogenesis, homeobox 1 (Esx1), mRNA.	Mme-M200002642	ILMN_2625674	0	0
23943	Esyt1	-0.076	-0.031	0.049	0	0	0	0	0	0	NM_011843	membrane bound C2 domain containing protein (Mbc2), mRNA.	Mme-M200006275	ILMN_1240994	0	0
52635	Esyt2	-0.207	-0.096	-0.020	0	0	0	0	0	0	NM_028731	DNA segment, Chr 12, ERATO Doi 551, expressed (D12Ertd551e), mRNA.	Mme-M300002600	ILMN_1240131	0	0
272636	Esyt3	-0.140	-0.248	0.188	0	0	0	0	0	0	NM_177775	DNA segment, Chr 9, ERATO Doi 280, expressed (D9Ertd280e), mRNA.	Mme-M300011070	ILMN_1231836	0	0
68145	Etaa1	0.154	-0.122	-0.096	0	0	0	0	0	0	NM_026576	Ewing's tumor-associated antigen 1 (Etaa1), mRNA.	Mme-M300001542	ILMN_1240716	0	0
69501	Etd	-0.194	0.016	0.038	0	0	0	0	0	0	NM_175147	embryonic testis differentiation (Etd), mRNA.	Mme-M300016249	ILMN_2731637	0	0
225363	Etf1	0.099	-0.010	-0.007	0	0	0	0	0	0	NM_144866	eukaryotic translation termination factor 1 (Etf1), mRNA.	Mme-M200001473	ILMN_2995755	0	0
110842	Etfa	0.053	-0.158	0.116	0	0	0	0	0	0	NM_145615	electron transferring flavoprotein, alpha polypeptide (Etfa), nuclear gene encoding mitochondrial protein, mRNA	Mme-M200005379	ILMN_1237075	0	0
110826	Etfb	0.209	0.063	-0.305	0	0	-1	0	0	0	NM_026695	electron transferring flavoprotein, beta polypeptide (Etfb), mRNA.	Mme-M200006891	ILMN_3104414	0	0
66841	Etfdh	0.336	-0.120	0.038	0	0	0	0	0	0	NM_025794	electron transferring flavoprotein, dehydrogenase (Etfdh), mRNA.	Mme-M200005950	ILMN_2669804	0	0
66071	Ethe1	0.148	-0.083	0.090	0	0	0	0	0	0	NM_023154	ethylmalonic encephalopathy 1 (Ethe1), mRNA.	Mme-M200006534	ILMN_2621074	0	0
208618	Etl4	0.018	0.037	0.040	0	0	0	0	0	0	NM_001081006	enhancer trap locus 4 (Etl4), mRNA.	Mme-M400009153	ILMN_1259022	0	0
75320	Etnk1	-0.162	-0.093	0.188	0	0	0	0	0	0	XM_908334	PREDICTED: ethanolamine kinase 1 (Etnk1), mRNA.	Mme-M200012572	ILMN_2567940	0	0
71760	Etnppl	0.132	-0.279	-0.037	0	0	0	0	0	0	NM_027907	alanine-glyoxylate aminotransferase 2-like 1 (Agxt2l1), mRNA.	Mme-M200006336	ILMN_2661820	0	0
23871	Ets1	-0.027	0.068	0.089	0	0	0	0	0	0	NM_011808	E26 avian leukemia oncogene 1, 5' domain (Ets1), transcript variant 1, mRNA.	Mme-M300008034	ILMN_1236290	0	0
23872	Ets2	0.396	-0.147	-0.124	0	0	0	0	0	0	NM_011809	E26 avian leukemia oncogene 2, 3' domain (Ets2), mRNA.	Mme-M200004369	ILMN_2594714	0	0
14009	Etv1	-0.053	0.151	0.056	0	0	0	0	0	0	NM_007960	ets variant gene 1 (Etv1), mRNA.	Mme-M400003326	ILMN_2643915	0	0
14008	Etv2	0.080	-0.070	0.091	0	0	0	0	0	0	NM_007959	ets variant gene 2 (Etv2), mRNA.	Mme-M200001982	ILMN_2678641	0	0
27049	Etv3	-0.027	-0.011	-0.072	0	0	0	0	0	0	NM_012051	ets variant gene 3 (Etv3), transcript variant 2, mRNA.	Mme-M400000071	ILMN_1258076	0	0
18612	Etv4	-0.237	0.266	0.089	0	0	0	0	0	0	NM_008815	ets variant gene 4 (E1A enhancer binding protein, E1AF) (Etv4), mRNA.	Mme-M200002099	ILMN_2778111	0	0
104156	Etv5	-0.254	0.243	0.070	0	0	0	0	0	0	NM_023794	ets variant gene 5 (Etv5), mRNA.	Mme-M400000197	ILMN_1216714	0	0
14011	Etv6	0.194	0.026	-0.094	0	0	0	0	0	0	NM_007961	ets variant gene 6 (TEL oncogene) (Etv6), mRNA.	Mme-M300007067	ILMN_2669199	0	0
232146	Eva1a	0.130	0.062	0.047	0	0	0	0	0	0	NM_145570	transmembrane protein 166 (Tmem166), mRNA.	Mme-M400001754	ILMN_2813577	0	0
230752	Eva1b	0.109	-0.320	-0.223	0	0	0	0	0	0	NM_172145	RIKEN cDNA 2610027C15 gene (2610027C15Rik), mRNA.	Mme-M300020921	ILMN_2890357	0	0
70967	Eva1c	0.066	-0.192	0.143	0	0	0	0	0	0	NM_027627	RIKEN cDNA 4931408A02 gene (4931408A02Rik), mRNA.	Mme-M300012432	ILMN_2949877	0	0
59056	Evc	0.248	0.131	-0.014	0	0	0	0	0	0	NM_021292	Ellis van Creveld gene homolog (human) (Evc), mRNA.	Mme-M200004651	ILMN_2706562	0	0
68525	Evc2	0.266	-0.239	-0.122	0	0	0	0	0	0	NM_145920	Ellis van Creveld syndrome 2 homolog (human) (Evc2), mRNA.	Mme-M200005130	ILMN_2690938	0	0
14017	Evi2a	0.145	0.184	0.405	0	0	1	0	0	1	NM_010161	ecotropic viral integration site 2a (Evi2a), transcript variant 2, mRNA.	Mme-M400011007	ILMN_1251669	1	0
216984	Evi2b	0.044	-0.103	-0.016	0	0	0	0	0	0	NM_001077496	ecotropic viral integration site 2b (Evi2b), transcript variant 1, mRNA.	Mme-M200013304	ILMN_3125939	0	0
14020	Evi5	0.035	-0.114	0.034	0	0	0	0	0	0	NM_007964	ecotropic viral integration site 5 (Evi5), mRNA.	Mme-M400000186	ILMN_2613546	0	0
213027	Evi5l	-0.067	-0.043	-0.087	0	0	0	0	0	0	NM_001039578	ecotropic viral integration site 5 like (Evi5l), mRNA.	Mme-M200006430	ILMN_1213296	0	0
14026	Evl	-0.150	-0.011	0.095	0	0	0	0	0	0	NM_007965	Ena-vasodilator stimulated phosphoprotein (Evl), mRNA.	Mme-M200000816	ILMN_2731454	0	0
14027	Evpl	0.153	-0.134	0.065	0	0	0	0	0	0	NM_025276	envoplakin (Evpl), mRNA.	Mme-M200005450	ILMN_2435835	0	0
14028	Evx1	0.417	0.154	-0.063	0	0	0	0	0	0	NM_007966	even skipped homeotic gene 1 homolog (Evx1), mRNA.	Mme-M200002025	ILMN_2731113	0	0
14029	Evx2	-0.080	-0.053	-0.094	0	0	0	0	0	0	NM_007967	even skipped homeotic gene 2 homolog (Evx2), mRNA.	Mme-M200016257	ILMN_1217013	0	0
14030	Ewsr1	0.297	-0.064	0.127	0	0	0	0	0	0	NM_007968	Ewing sarcoma breakpoint region 1 (Ewsr1), mRNA.	Mme-M300001011	ILMN_2769308	0	0
241624	Exd1	-0.320	0.005	-0.045	0	0	0	0	0	0	NM_172857	exonuclease 3'-5' domain-like 1 (Exdl1), mRNA.	Mme-M300019427	ILMN_3160260	0	0
26909	Exo1	0.205	0.110	-0.040	0	0	0	0	0	0	NM_012012	exonuclease 1 (Exo1), mRNA.	Mme-M400013409	ILMN_2873522	0	0
73172	Exo5	-0.135	-0.044	0.043	0	0	0	0	0	0	NM_028457	RIKEN cDNA 3110037I16 gene (3110037I16Rik), mRNA.	Mme-M200009621	ILMN_2671878	0	0
69940	Exoc1	0.000	0.043	0.061	0	0	0	0	0	0	NM_027270	exocyst complex component 1 (Exoc1), mRNA.	Mme-M200005921	ILMN_2747828	0	0
66482	Exoc2	-0.020	0.020	-0.034	0	0	0	0	0	0	NM_025588	exocyst complex component 2 (Exoc2), mRNA.	Mme-M200007155	ILMN_2752948	0	0
211446	Exoc3	0.083	0.162	0.037	0	0	0	0	0	0	NM_177333	exocyst complex component 3 (Exoc3), mRNA.	Mme-M300009173	ILMN_2777284	0	0
277978	Exoc3l	0.125	-0.048	-0.056	0	0	0	0	0	0	NM_177788	exocyst complex component 3-like (Exoc3l), mRNA.	Mme-M300014323	ILMN_1236298	0	0
74463	Exoc3l2	0.465	0.021	-0.019	0	0	0	0	0	0	XM_001471750	PREDICTED: RIKEN cDNA 4933417E01 gene (4933417E01Rik), mRNA.	Mme-M200005489	ILMN_1226326	0	0
74190	Exoc3l4	0.249	0.457	-0.064	0	1	0	0	0	0	NM_028807	RIKEN cDNA 1200009I06 gene (1200009I06Rik), mRNA.	Mme-M300002669	ILMN_2740207	0	0
20336	Exoc4	0.091	0.037	-0.085	0	0	0	0	0	0	NM_009148	exocyst complex component 4 (Exoc4), mRNA.	Mme-M300006854	ILMN_1222773	0	0
105504	Exoc5	-0.018	-0.086	-0.085	0	0	0	0	0	0	NM_207214	exocyst complex component 5 (Exoc5), mRNA.	Mme-M300010326	ILMN_2734889	0	0
75914	Exoc6b	-0.155	-0.159	-0.094	0	0	0	0	0	0	XM_922994	PREDICTED: exocyst complex component 6B, transcript variant 19 (Exoc6b), mRNA.	Mme-M400009432	ILMN_1229985	0	0
53413	Exoc7	0.156	0.018	0.041	0	0	0	0	0	0	NM_016857	exocyst complex component 7 (Exoc7), mRNA.	Mme-M300002393	ILMN_1252619	0	0
102058	Exoc8	-0.095	-0.203	0.008	0	0	0	0	0	0	NM_198103	exocyst complex component 8 (Exoc8), mRNA.	Mme-M400015802	ILMN_2689560	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
208194	Exog	0.132	0.076	-0.058	0	0	0	0	0	0	NM_172456	endonuclease G-like 1 (EndogI1), mRNA.	Mme-M300013889	ILMN_1259684	0	0
66583	Exosc1	0.107	0.054	0.069	0	0	0	0	0	0	NM_025644	exosome component 1 (Exosc1), mRNA.	Mme-M300009281	ILMN_1224534	0	0
50912	Exosc10	0.105	0.103	-0.062	0	0	0	0	0	0	NM_016699	exosome component 10 (Exosc10), mRNA.	Mme-M300001564	ILMN_1258931	0	0
227715	Exosc2	0.098	0.175	0.106	0	0	0	0	0	0	NM_144886	exosome component 2 (Exosc2), mRNA.	Mme-M200013445	ILMN_2805829	0	0
66362	Exosc3	0.167	0.064	-0.037	0	0	0	0	0	0	NM_025513	exosome component 3 (Exosc3), mRNA.	Mme-M300006045	ILMN_1246799	0	0
109075	Exosc4	0.288	-0.015	-0.122	0	0	0	0	0	0	NM_175399	exosome component 4 (Exosc4), mRNA.	Mme-M300009242	ILMN_2667551	0	0
27998	Exosc5	0.131	0.000	-0.158	0	0	0	0	0	0	NM_138586	exosome component 5 (Exosc5), mRNA.	Mme-M200005728	ILMN_2877280	0	0
72544	Exosc6	0.115	-0.211	0.087	0	0	0	0	0	0	NM_028274	exosome component 6 (Exosc6), mRNA.	Mme-M400011639	ILMN_2685849	0	0
66446	Exosc7	0.179	0.096	-0.027	0	0	0	0	0	0	NM_001081188	exosome component 7 (Exosc7), mRNA.	Mme-M200013653	ILMN_2715289	0	0
69639	Exosc8	0.012	0.178	0.172	0	0	0	0	0	0	NM_027148	exosome component 8 (Exosc8), mRNA.	Mme-M200006402	ILMN_2754369	0	0
50911	Exosc9	-0.030	-0.045	-0.013	0	0	0	0	0	0	NM_019393	exosome component 9 (Exosc9), mRNA.	Mme-M200008811	ILMN_2679046	0	0
320051	Exph5	0.218	-0.061	-0.034	0	0	0	0	0	0	NM_176846	exophilin 5 (Exph5), mRNA.	Mme-M400012333	ILMN_2717314	0	0
14042	Ext1	0.187	-0.001	0.197	0	0	0	0	0	0	NM_010162	exostoses (multiple) 1 (Ext1), mRNA.	Mme-M300011671	ILMN_2731989	0	0
14043	Ext2	0.033	-0.145	-0.069	0	0	0	0	0	0	NM_010163	exostoses (multiple) 2 (Ext2), mRNA.	Mme-M300005506	ILMN_2775514	0	0
56219	Extl1	0.072	-0.091	-0.107	0	0	0	0	0	0	NM_019578	exostoses (multiple)-like 1 (Extl1), mRNA.	Mme-M200007036	ILMN_1215877	0	0
58193	Extl2	0.124	-0.043	0.020	0	0	0	0	0	0	NM_021388	exostoses (multiple)-like 2 (Extl2), mRNA.	Mme-M200013726	ILMN_1213855	0	0
54616	Extl3	-0.002	0.172	-0.132	0	0	0	0	0	0	NM_018788	exostoses (multiple)-like 3 (Extl3), mRNA.	Mme-M200008621	ILMN_1239857	0	0
14048	Eya1	0.255	-0.205	-0.100	0	0	0	0	0	0	NM_010164	eyes absent 1 homolog (Drosophila) (Eya1), mRNA.	Mme-M300004849	ILMN_2686435	0	0
14049	Eya2	0.119	-0.248	0.029	0	0	0	0	0	0	NM_010165	eyes absent 2 homolog (Drosophila) (Eya2), mRNA.	Mme-M200000844	ILMN_1254886	0	0
14050	Eya3	-0.241	0.069	-0.241	0	0	0	0	0	0	NM_211357	eyes absent 3 homolog (Drosophila) (Eya3), transcript variant 3, mRNA.	Mme-M200000586	ILMN_3089834	0	0
14055	Ezh1	-0.156	-0.043	-0.144	0	0	0	0	0	0	NM_007970	enhancer of zeste homolog 1 (Drosophila) (Ezh1), mRNA.	Mme-M200002101	ILMN_3107974	0	0
14056	Ezh2	0.143	-0.079	0.177	0	0	0	0	0	0	NM_007971	enhancer of zeste homolog 2 (Drosophila) (Ezh2), mRNA.	Mme-M200001679	ILMN_1234171	0	0
22350	Ezr	0.192	-0.335	0.106	0	0	0	0	0	0	NM_009510	ezrin (Ezr), mRNA.	Mme-M200001806	ILMN_1232495	0	0
14058	F10	0.003	0.339	0.049	0	0	0	0	0	0	NM_007972	coagulation factor X (F10), mRNA.	Mme-M200000981	ILMN_2688912	0	0
109821	F11	0.063	0.035	0.061	0	0	0	0	0	0	NM_028066	coagulation factor XI (F11), mRNA.	Mme-M200007353	ILMN_2609762	0	0
16456	F11r	0.108	-0.040	0.010	0	0	0	0	0	0	NM_172647	F11 receptor (F11r), mRNA.	Mme-M200003994	ILMN_2713305	0	0
58992	F12	-0.039	-0.061	0.098	0	0	0	0	0	0	NM_021489	coagulation factor XII (Hageman factor) (F12), mRNA.	Mme-M200013931	ILMN_2938668	0	0
74145	F13a1	-0.313	-0.158	0.002	0	0	0	0	0	0	NM_028784	coagulation factor XIII, A1 subunit (F13a1), mRNA.	Mme-M400012792	ILMN_2914938	0	0
14060	F13b	-0.005	0.009	-0.186	0	0	0	0	0	0	NM_031164	coagulation factor XIII, beta subunit (F13b), mRNA.	Mme-M200006840	ILMN_2896248	0	0
14061	F2	0.010	-0.130	-0.102	0	0	0	0	0	0	NM_010168	coagulation factor II (F2), mRNA.	Mme-M200015970	ILMN_2789786	0	0
14062	F2r	0.216	0.055	0.037	0	0	0	0	0	0	NM_010169	coagulation factor II (thrombin) receptor (F2r), mRNA.	Mme-M300019182	ILMN_2740852	0	0
14063	F2rl1	-0.073	-0.126	0.030	0	0	0	0	0	0	NM_007974	coagulation factor II (thrombin) receptor-like 1 (F2rl1), mRNA.	Mme-M200000649	ILMN_2866267	0	0
14064	F2rl2	-0.091	0.182	-0.068	0	0	0	0	0	0	NM_010170	coagulation factor II (thrombin) receptor-like 2 (F2rl2), mRNA.	Mme-M300002885	ILMN_1236465	0	0
14065	F2rl3	0.028	-0.207	0.053	0	0	0	0	0	0	NM_007975	coagulation factor II (thrombin) receptor-like 3 (F2rl3), mRNA.	Mme-M200003202	ILMN_2737523	0	0
14067	F5	0.112	0.110	-0.199	0	0	0	0	0	0	NM_007976	coagulation factor V (F5), mRNA.	Mme-M400000944	ILMN_1248713	0	0
319823	F630003A18Rik	-0.087	-0.082	0.057	0	0	0	0	0	0	NM_177010	RIKEN cDNA F630003A18 gene (F630003A18Rik), mRNA.	Mme-M400012352	ILMN_2831116	0	0
14068	F7	-0.069	-0.038	-0.016	0	0	0	0	0	0	NM_010172	coagulation factor VII (F7), mRNA.	Mme-M200001981	ILMN_2708871	0	0
14069	F8	-0.162	0.038	-0.150	0	0	0	0	0	0	NM_007977	coagulation factor VIII (F8), mRNA.	Mme-M200000702	ILMN_1221937	0	0
228592	F830045P16Rik	-0.228	-0.028	-0.010	0	0	0	0	0	0	NM_177653	RIKEN cDNA F830045P16 gene (F830045P16Rik), mRNA.	Mme-M300014790	ILMN_1218284	0	0
14070	F8a	0.160	-0.066	-0.033	0	0	0	0	0	0	NM_007978	factor 8-associated gene A (F8a), mRNA.	Mme-M400010786	ILMN_2622041	0	0
14071	F9	-0.113	-0.023	0.007	0	0	0	0	0	0	NM_007979	coagulation factor IX (F9), mRNA.	Mme-M400001339	ILMN_2660793	0	0
338521	Fa2h	0.042	-0.008	0.053	0	0	0	0	0	0	NM_178086	fatty acid 2-hydroxylase (Fa2h), mRNA.	Mme-M300008842	ILMN_2746783	0	0
14073	Faah	-0.075	-0.141	-0.055	0	0	0	0	0	0	NM_010173	fatty acid amide hydrolase (Faah), mRNA.	Mme-M300009190	ILMN_2766930	0	0
14080	Fabp1	-0.070	-0.014	0.041	0	0	0	0	0	0	NM_017399	fatty acid binding protein 1, liver (Fabp1), mRNA.	Mme-M400004805	ILMN_2728928	0	0
75497	Fabp12	-0.001	-0.056	0.054	0	0	0	0	0	0	NM_029310	RIKEN cDNA 1700008G05 gene (1700008G05Rik), mRNA.	Mme-M400001017	ILMN_2549416	0	0
14079	Fabp2	-0.126	-0.019	-0.048	0	0	0	0	0	0	NM_007980	fatty acid binding protein 2, intestinal (Fabp2), mRNA.	Mme-M200005986	ILMN_2706493	0	0
14077	Fabp3	0.305	0.131	-0.017	0	0	0	0	0	0	NM_010174	fatty acid binding protein 3, muscle and heart (Fabp3), mRNA.	Mme-M400001115	ILMN_2887630	0	0
11770	Fabp4	1.213	0.019	0.077	1	0	0	1	0	0	NM_024406	fatty acid binding protein 4, adipocyte (Fabp4), mRNA.	Mme-M300005685	ILMN_2615947	1	0
16592	Fabp5	-0.019	-0.207	-0.034	0	0	0	0	0	0	NM_010634	fatty acid binding protein 5, epidermal (Fabp5), mRNA.	Mme-M300005690	ILMN_2685290	0	0
16204	Fabp6	0.083	-0.076	0.084	0	0	0	0	0	0	NM_008375	fatty acid binding protein 6, ileal (gastrotropin) (Fabp6), mRNA.	Mme-M200009408	ILMN_2826304	0	0
12140	Fabp7	0.089	0.018	0.251	0	0	0	0	0	0	NM_021272	fatty acid binding protein 7, brain (Fabp7), mRNA.	Mme-M400000340	ILMN_2738330	0	0
21884	Fabp9	0.034	-0.100	-0.081	0	0	0	0	0	0	NM_011598	fatty acid binding protein 9, testis (Fabp9), mRNA.	Mme-M300005684	ILMN_1221705	0	0
14082	Fadd	0.038	-0.206	0.088	0	0	0	0	0	0	NM_010175	Fas (TNFRSF6)-associated via death domain (Fadd), mRNA.	Mme-M200002164	ILMN_2874409	0	0
76267	Fads1	0.180	-0.095	-0.006	0	0	0	0	0	0	NM_146094	fatty acid desaturase 1 (Fads1), mRNA.	Mme-M400011925	ILMN_2607786	0	0
56473	Fads2	-0.081	0.417	-0.071	0	0	0	0	0	0	NM_019699	fatty acid desaturase 2 (Fads2), mRNA.	Mme-M200008136	ILMN_2713071	0	0
60527	Fads3	-0.148	0.054	0.065	0	0	0	0	0	0	NM_021890	fatty acid desaturase 3 (Fads3), mRNA.	Mme-M200007546	ILMN_3147584	0	0
328035	Fads6	-0.256	0.039	0.069	0	0	0	0	0	0	NM_178035	fatty acid desaturase domain family, member 6 (Fads6), mRNA.	Mme-M300015783	ILMN_2625699	0	0
14084	Faf1	0.194	-0.118	0.077	0	0	0	0	0	0	NM_007983	Fas-associated factor 1 (Faf1), mRNA.	Mme-M200001430	ILMN_1220475	0	0
76577	Faf2	0.060	-0.037	0.090	0	0	0	0	0	0	NM_178397	UBX domain containing 8 (Ubxd8), mRNA.	Mme-M300004823	ILMN_2660328	0	0
14085	Fah	0.069	-0.036	0.009	0	0	0	0	0	0	NM_010176	fumarylacetoacetate hydrolase (Fah), mRNA.	Mme-M200001459	ILMN_2614494	0	0
68636	Fahd1	-0.107	0.011	0.044	0	0	0	0	0	0	NM_023480	fumarylacetoacetate hydrolase domain containing 1 (Fahd1), nuclear gene encoding mitochondrial protein, mR	Mme-M200014011	ILMN_1218891	0	0
68126	Fahd2a	0.077	0.086	-0.222	0	0	0	0	0	0	NM_029629	fumarylacetoacetate hydrolase domain containing 2A (Fahd2a), mRNA.	Mme-M300005604	ILMN_2701855	0	0
23873	Faim	0.075	-0.132	0.248	0	0	0	0	0	0	NM_011810	Fas apoptotic inhibitory molecule (Faim), transcript variant 2, mRNA.	Mme-M300008265	ILMN_2976519	0	0
72393	Faim2	-0.260	0.307	-0.051	0	0	0	0	0	0	NM_001038658	Fas apoptotic inhibitory molecule 2 (Faim2), transcript variant 2, mRNA.	Mme-M400011634	ILMN_2712740	0	0
69169	Faim3	0.094	-0.228	0.165	0	0	0	0	0	0	NM_026976	Fas apoptotic inhibitory molecule 3 (Faim3), mRNA.	Mme-M400002637	ILMN_1221820	0	0
73121	Fam101a	-0.064	-0.064	0.037	0	0	0	0	0	0	NM_028443	RIKEN cDNA 3110032G18 gene (3110032G18Rik), mRNA.	Mme-M200008438	ILMN_1244695	0	0
76566	Fam101b	0.063	-0.164	0.116	0	0	0	0	0	0	XM_893392	PREDICTED: RIKEN cDNA 1500005K14 gene (1500005K14Rik), mRNA.	Mme-M200007493	ILMN_1259764	0	0
98952	Fam102a	0.172	0.002	-0.006	0	0	0	0	0	0	NM_153560	RIKEN cDNA C230093N12 gene (C230093N12Rik), mRNA.	Mme-M300011992	ILMN_1225348	0	0
329739	Fam102b	-0.046	-0.350	-0.188	0	0	0	0	0	0	XM_974847	PREDICTED: RIKEN cDNA B430201A12 gene (B430201A12Rik), mRNA.	Mme-M400013237	ILMN_1253691	0	0
67148	Fam103a1	0.140	-0.068	-0.202	0	0	0	0	0	0	NM_025997	RIKEN cDNA 2610204K14 gene (2610204K14Rik), mRNA.	Mme-M200000055	ILMN_2810443	0	0
28081	Fam104a	0.360	0.066	-0.060	0	0	0	0	0	0	NM_138598	DNA segment, Chr 11, Wayne State University 99, expressed (D11Wsu99e), mRNA.	Mme-M200016189	ILMN_2657780	0	0
223433	Fam105a	0.118	0.039	0.058	0	0	0	0	0	0	NM_198301	cDNA sequence BC052328 (BC052328), mRNA.	Mme-M400012583	ILMN_1237038	0	0
268709	Fam107a	0.339	0.289	-0.234	0	0	0	0	0	0	NM_183187	cDNA sequence BC055107 (BC055107), mRNA.	Mme-M300002932	ILMN_2768972	0	0
66540	Fam107b	0.158	0.092	-0.053	0	0	0	0	0	0	NM_025626	RIKEN cDNA 3110001A13 gene (3110001A13Rik), mRNA.	Mme-M200012921	ILMN_2807335	0	0
70178	Fam108c	0.066	-0.178	0.112	0	0	0	0	0	0	NM_133722	RIKEN cDNA 2210412D01 gene (2210412D01Rik), mRNA.	Mme-M200004724	ILMN_1217822	0	0
231717	Fam109a	-0.053	-0.302	0.060	0	0	0	0	0	0	NM_175474	RIKEN cDNA A230106M15 gene (A230106M15Rik), mRNA.	Mme-M300015174	ILMN_2668178	0	0
338368	Fam109b	0.033	0.103	0.105	0	0	0	0	0	0	NM_177391	RIKEN cDNA C920005C14 gene (C920005C14Rik), mRNA.	Mme-M300020423	ILMN_2877835	0	0
242297	Fam110b	0.155	0.059	-0.074	0	0	0	0	0	0	NM_173426	RIKEN cDNA 1700012H17 gene (1700012H17Rik), mRNA.	Mme-M300019884	ILMN_1239592	0	0
104943	Fam110c	0.153	0.060	-0.052	0	0	0	0	0	0	NM_027828	RIKEN cDNA 9030611O19 gene (9030611O19Rik), mRNA.	Mme-M200006326	ILMN_2757634	0	0
107373	Fam111a	-0.139	0.174	0.107	0	0	0	0	0	0	NM_026640	RIKEN cDNA 4632417K18 gene (4632417K18Rik), mRNA.	Mme-M200000660	ILMN_2718843	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68303	Fam114a1	0.111	0.084	-0.140	0	0	0	0	0	0	NM_026667	RIKEN cDNA 9130005N14 gene (9130005N14Rik), mRNA.	Mme-M200015880	ILMN_1217235	0	0
67726	Fam114a2	0.145	0.066	-0.122	0	0	0	0	0	0	NM_026342	RIKEN cDNA 1810073G14 gene (1810073G14Rik), mRNA.	Mme-M200005159	ILMN_1232976	0	0
215512	Fam117a	0.357	-0.066	0.078	0	0	0	0	0	0	NM_172543	RIKEN cDNA 5730593F17 gene (5730593F17Rik), mRNA.	Mme-M300011832	ILMN_1224162	0	0
73225	Fam118a	-0.076	0.063	0.100	0	0	0	0	0	0	NM_133750	RIKEN cDNA 3110048E14 gene (3110048E14Rik), transcript variant 1, mRNA.	Mme-M200009757	ILMN_1213728	0	0
109229	Fam118b	0.157	0.060	0.049	0	0	0	0	0	0	NM_175411	protein phosphatase 4, regulatory subunit 1-like (Ppp4r1l), transcript variant 2, mRNA.	Mme-M400003692	ILMN_2707887	0	0
218236	Fam120a	0.254	0.109	0.206	0	0	0	0	0	0	NM_001033268	cDNA sequence BC010304 (BC010304), mRNA.	Mme-M200005039	ILMN_1243457	0	0
67544	Fam120b	0.279	-0.130	0.157	0	0	0	0	0	0	NM_024203	RIKEN cDNA 4932442K08 gene (4932442K08Rik), mRNA.	Mme-M200007698	ILMN_2635888	0	0
207375	Fam120c	-0.029	-0.033	0.049	0	0	0	0	0	0	NM_198105	open reading frame 34 (ORF34), mRNA.	Mme-M300004544	ILMN_2633558	0	0
68034	Fam122a	0.032	-0.040	-0.067	0	0	0	0	0	0	NM_026520	RIKEN cDNA 2900009I07 gene (2900009I07Rik), mRNA.	Mme-M400002684	ILMN_2668661	0	0
78755	Fam122b	-0.169	0.259	-0.103	0	0	0	0	0	0	NM_030167	RIKEN cDNA 4632404H22 gene (4632404H22Rik), mRNA.	Mme-M200006068	ILMN_1246764	0	0
241128	Fam124b	-0.238	0.075	0.007	0	0	0	0	0	0	NM_173425	RIKEN cDNA A830043J08 gene (A830043J08Rik), mRNA.	Mme-M300014301	ILMN_2734376	0	0
84652	Fam126a	0.058	-0.052	0.034	0	0	0	0	0	0	NM_053090	down-regulated by Ctnnb1, a (Drctnnb1a), mRNA.	Mme-M300006419	ILMN_2771087	0	0
213056	Fam126b	0.034	-0.165	0.071	0	0	0	0	0	0	NM_172513	DNA segment, Chr 1, ERATO Doi 53, expressed (D1Ertd53e), mRNA.	Mme-M300011390	ILMN_2453120	0	0
63913	Fam129a	-0.189	0.086	-0.129	0	0	0	0	0	0	NM_022018	niban protein (Niban), mRNA.	Mme-M200009947	ILMN_2591031	0	0
227737	Fam129b	0.128	-0.131	-0.074	0	0	0	0	0	0	NM_146119	RIKEN cDNA 9130404D14 gene (9130404D14Rik), mRNA.	Mme-M300005288	ILMN_2686975	0	0
100037278	Fam129c	-0.221	0.053	0.033	0	0	0	0	0	0	XM_001478428	PREDICTED: BCNP1 homolog (Bcnp1), mRNA.	Mme-M400002719	ILMN_2541185	0	0
78408	Fam131a	0.424	0.065	-0.059	0	0	0	0	0	0	NM_133778	RIKEN cDNA 2900046G09 gene (2900046G09Rik), mRNA.	Mme-M200012681	ILMN_2713060	0	0
76156	Fam131b	-0.060	0.110	-0.183	0	0	0	0	0	0	NM_001113327	RIKEN cDNA 6330503C03 gene (6330503C03Rik), transcript variant b, mRNA.	Mme-M300006913	ILMN_2869623	0	0
277743	Fam131c	-0.466	0.005	0.080	0	0	0	0	0	0	NM_001085513	gene model 693, (NCBI) (Gm693), mRNA.	Mme-M400000124	ILMN_1227306	0	0
67389	Fam132a	0.156	-0.044	-0.202	0	0	0	0	0	0	NM_026125	C1q domain containing 2 (C1qdc2), mRNA.	Mme-M200006344	ILMN_2645295	0	0
227358	Fam132b	-0.024	0.045	-0.045	0	0	0	0	0	0	NM_173395	cDNA sequence BC056923 (BC056923), mRNA.	Mme-M300018286	ILMN_2672509	0	0
68152	Fam133b	0.191	-0.162	0.054	0	0	0	0	0	0	NM_001042501	RIKEN cDNA 5830415L20 gene (5830415L20Rik), mRNA.	Mme-M300001306	ILMN_1257675	0	0
227298	Fam134a	0.035	-0.145	-0.102	0	0	0	0	0	0	NM_170755	cDNA sequence BC038286 (BC038286), mRNA.	Mme-M300020080	ILMN_1213426	0	0
66270	Fam134b	-0.095	-0.315	-0.139	0	0	0	0	0	0	NM_025459	RIKEN cDNA 1810015C04 gene (1810015C04Rik), transcript variant 2, mRNA.	Mme-M400000556	ILMN_2745614	0	0
67998	Fam134c	0.173	0.091	0.066	0	0	0	0	0	0	NM_028933	RIKEN cDNA 1300010M03 gene (1300010M03Rik), transcript variant 2, mRNA.	Mme-M300001611	ILMN_2611748	0	0
68187	Fam135a	-0.052	-0.046	-0.037	0	0	0	0	0	0	NM_026604	RIKEN cDNA 4921533L14 gene (4921533L14Rik), mRNA.	Mme-M200015807	ILMN_2691243	0	0
66488	Fam136a	0.317	-0.022	0.002	0	0	0	0	0	0	NM_025591	RIKEN cDNA 2010309E21 gene (2010309E21Rik), mRNA.	Mme-M400011502	ILMN_2642188	0	0
58909	Fam13a	0.074	-0.021	-0.002	0	0	0	0	0	0	NM_153574	RIKEN cDNA D430015B01 gene (D430015B01Rik), mRNA.	Mme-M300011086	ILMN_1224427	0	0
225358	Fam13b	-0.061	-0.103	0.016	0	0	0	0	0	0	NM_146084	RIKEN cDNA 2610024E20 gene (2610024E20Rik), mRNA.	Mme-M400001904	ILMN_2723513	0	0
212326	Fam149a	0.133	0.006	0.010	0	0	0	0	0	0	NM_153535	cDNA sequence BC035537 (BC035537), mRNA.	Mme-M400012198	ILMN_2692980	0	0
230579	Fam151a	0.087	-0.101	-0.035	0	0	0	0	0	0	NM_146149	cDNA sequence BC026682 (BC026682), mRNA.	Mme-M300009590	ILMN_2951292	0	0
73942	Fam151b	0.109	-0.046	0.074	0	0	0	0	0	0	XM_127489	PREDICTED: RIKEN cDNA 4930405M20 gene (4930405M20Rik), mRNA.	Mme-M200015702	ILMN_2763480	0	0
330577	Fam154b	-0.066	-0.004	0.040	0	0	0	0	0	0	NM_177894	RIKEN cDNA 1700129I04 gene (1700129I04Rik), mRNA.	Mme-M400012441	ILMN_1244341	0	0
270028	Fam155a	0.241	-0.071	-0.131	0	0	0	0	0	0	NM_173446	expressed sequence AW121567 (AW121567), mRNA.	Mme-M400008460	ILMN_2677569	0	0
77803	Fam159b	-0.178	0.078	0.035	0	0	0	0	0	0	NM_029984	RIKEN cDNA A930021C24 gene (A930021C24Rik), mRNA.	Mme-M200011380	ILMN_1213789	0	0
229488	Fam160a1	-0.177	0.011	-0.034	0	0	0	0	0	0	NM_172682	RIKEN cDNA 9930021J17 gene (9930021J17Rik), mRNA.	Mme-M300021649	ILMN_1216660	0	0
74349	Fam160a2	-0.388	-0.045	-0.042	0	0	0	0	0	0	NM_199009	RIKEN cDNA 4632419K20 gene (4632419K20Rik), mRNA.	Mme-M300010779	ILMN_1234685	0	0
226252	Fam160b1	0.105	-0.165	-0.104	0	0	0	0	0	0	NM_145505	expressed sequence AI450540 (AI450540), mRNA.	Mme-M200013471	ILMN_2704690	0	0
239170	Fam160b2	-0.166	-0.141	0.041	0	0	0	0	0	0	XM_914171	PREDICTED: retinoic acid induced 16 (Rai16), mRNA.	Mme-M300003089	ILMN_2486863	0	0
217705	Fam161b	0.183	0.006	0.047	0	0	0	0	0	0	NM_172581	RIKEN cDNA 9830169C18 gene (9830169C18Rik), mRNA.	Mme-M300002640	ILMN_2962095	0	0
70186	Fam162a	0.426	-0.066	-0.003	0	0	0	0	0	0	NM_027342	RIKEN cDNA 2310056P07 gene (2310056P07Rik), mRNA.	Mme-M200005353	ILMN_2987107	0	0
329274	Fam163a	-0.018	0.279	-0.001	0	0	0	0	0	0	NM_177838	RIKEN cDNA A230106N23 gene (A230106N23Rik), mRNA.	Mme-M300001417	ILMN_2890145	0	0
109349	Fam163b	-0.263	0.056	-0.042	0	0	0	0	0	0	NM_175427	RIKEN cDNA C630035N08 gene (C630035N08Rik), mRNA.	Mme-M300001018	ILMN_2595441	0	0
68222	Fam166a	0.076	-0.046	0.010	0	0	0	0	0	0	NM_026624	cDNA sequence BC061039 (BC061039), mRNA.	Mme-M300005406	ILMN_1234184	0	0
329831	Fam166b	-0.081	0.023	-0.035	0	0	0	0	0	0	NM_177377	RIKEN cDNA 4833436C18 gene (4833436C18Rik), mRNA.	Mme-M300013890	ILMN_2692952	0	0
219148	Fam167a	0.007	-0.119	-0.080	0	0	0	0	0	0	NM_177628	cDNA sequence BC065085 (BC065085), mRNA.	Mme-M300009693	ILMN_2974737	0	0
230766	Fam167b	0.046	0.133	-0.064	0	0	0	0	0	0	NM_182783	cDNA sequence BC030183 (BC030183), mRNA.	Mme-M300021189	ILMN_1235062	0	0
319604	Fam168a	-0.350	-0.093	0.827	0	0	1	0	0	1	NM_178764	RIKEN cDNA B930006L02 gene (B930006L02Rik), mRNA.	Mme-M300021036	ILMN_2623110	1	0
214469	Fam168b	-0.091	0.165	0.024	0	0	0	0	0	0	NM_174997	cDNA sequence BC043098 (BC043098), mRNA.	Mme-M300010963	ILMN_2749354	0	0
320557	Fam169a	0.140	-0.051	-0.083	0	0	0	0	0	0	XM_913243	PREDICTED: RIKEN cDNA B230112C05 gene (B230112C05Rik), mRNA.	Mme-M400016324	ILMN_2454317	0	0
434197	Fam169b	-0.227	0.087	-0.001	0	0	0	0	0	0	NM_001013811	predicted gene, EG434197 (EG434197), mRNA.	Mme-M400006313	ILMN_3014674	0	0
225497	Fam170a	-0.197	-0.039	0.097	0	0	0	0	0	0	NM_001004061	gene model 93, (NCBI) (Gm93), mRNA.	Mme-M300009906	ILMN_1214966	0	0
269233	Fam171a1	-0.311	-0.063	0.263	0	0	0	0	0	0	NM_001081161	RIKEN cDNA 9630050M13 gene (9630050M13Rik), mRNA.	Mme-M300012260	ILMN_1244096	0	0
217219	Fam171a2	-0.187	-0.184	-0.077	0	0	0	0	0	0	NM_199200	cDNA sequence BC025575 (BC025575), mRNA.	Mme-M300009483	ILMN_2625725	0	0
241520	Fam171b	0.226	-0.125	-0.104	0	0	0	0	0	0	NM_175514	RIKEN cDNA D430039N05 gene (D430039N05Rik), mRNA.	Mme-M300019193	ILMN_1212907	0	0
68675	Fam172a	0.001	-0.091	0.062	0	0	0	0	0	0	XM_193728	PREDICTED: RIKEN cDNA 1110033M05 gene, transcript variant 1 (1110033M05Rik), mRNA.	Mme-M400008563	ILMN_1252597	0	0
214917	Fam173a	-0.035	-0.024	-0.073	0	0	0	0	0	0	NM_145410	cDNA sequence BC008155 (BC008155), mRNA.	Mme-M200005348	ILMN_1215218	0	0
68073	Fam173b	0.099	-0.137	0.125	0	0	0	0	0	0	NM_026546	RIKEN cDNA A930016P21 gene (A930016P21Rik), mRNA.	Mme-M200005521	ILMN_1224980	0	0
67698	Fam174a	-0.029	0.031	-0.016	0	0	0	0	0	0	NM_026321	transmembrane protein 157 (Tmem157), mRNA.	Mme-M400003796	ILMN_2742739	0	0
70681	Fam175a	-0.023	-0.086	0.249	0	0	0	0	0	0	NM_172405	coiled-coil domain containing 98 (Ccdc98), mRNA.	Mme-M300009797	ILMN_2908022	0	0
109359	Fam175b	0.105	0.044	0.105	0	0	0	0	0	0	NM_198017	RIKEN cDNA C430003P19 gene (C430003P19Rik), mRNA.	Mme-M300007512	ILMN_2864393	0	0
73385	Fam177a	-0.054	0.057	-0.135	0	0	0	0	0	0	NM_028527	RIKEN cDNA 1700047I17 gene 1 (1700047I17Rik1), mRNA.	Mme-M200007227	ILMN_3107690	0	0
226151	Fam178a	0.234	-0.125	-0.185	0	0	0	0	0	0	NM_001081225	RIKEN cDNA 6030443O07 gene (6030443O07Rik), mRNA.	Mme-M400001873	ILMN_2584490	0	0
381337	Fam178b	-0.450	0.089	-0.044	0	0	0	0	0	0	NM_201365	cDNA sequence BC050210 (BC050210), transcript variant C, mRNA.	Mme-M300017254	ILMN_2684160	0	0
320159	Fam179a	0.122	-0.030	-0.033	0	0	0	0	0	0	NM_177087	RIKEN cDNA 4632412N22 gene (4632412N22Rik), mRNA.	Mme-M300016692	ILMN_2589770	0	0
328108	Fam179b	-0.227	-0.270	-0.251	0	0	0	0	0	0	XM_896986	PREDICTED: RIKEN cDNA A430041B07 gene, transcript variant 9 (A430041B07Rik), mRNA.	Mme-M300010012	ILMN_1259781	0	0
208164	Fam180a	-0.139	-0.442	0.189	0	-1	0	0	0	0	NM_173375	cDNA sequence BC064033 (BC064033), mRNA.	Mme-M300018266	ILMN_2833163	0	0
58238	Fam181b	-0.239	-0.152	-0.137	0	0	0	0	0	0	NM_021427	RIKEN cDNA A830059I20 gene (A830059I20Rik), mRNA.	Mme-M400011393	ILMN_1234519	0	0
75906	Fam184a	0.114	-0.114	-0.113	0	0	0	0	0	0	NM_001081428	RIKEN cDNA 4930589M24 gene (4930589M24Rik), mRNA.	Mme-M400000337	ILMN_1232026	0	0
58227	Fam184b	-0.128	0.109	-0.006	0	0	0	0	0	0	NM_021416	RIKEN cDNA 9630031F12 gene (9630031F12Rik), mRNA.	Mme-M400000243	ILMN_2651582	0	0
330050	Fam185a	-0.056	-0.129	-0.071	0	0	0	0	0	0	NM_177869	expressed sequence AI847670 (AI847670), mRNA.	Mme-M300018076	ILMN_2893321	0	0
76415	Fam187b	-0.018	-0.072	-0.003	0	0	0	0	0	0	NM_175240	transmembrane protein 162 (Tmem162), mRNA.	Mme-M300017701	ILMN_1233860	0	0
66960	Fam188a	0.048	0.132	0.172	0	0	0	0	0	0	NM_024185	RIKEN cDNA 2310047O13 gene (2310047O13Rik), mRNA.	Mme-M200007477	ILMN_1259621	0	0
330323	Fam188b	0.036	0.015	-0.060	0	0	0	0	0	0	NM_177883	RIKEN cDNA C330043M08 gene (C330043M08Rik), mRNA.	Mme-M300011292	ILMN_2722993	0	0
70638	Fam189a1	-0.126	0.159	-0.022	0	0	0	0	0	0	NM_183087	RIKEN cDNA 5730507A09 gene (5730507A09Rik), mRNA.	Mme-M400012534	ILMN_1220717	0	0
381217	Fam189a2	0.174	-0.123	-0.067	0	0	0	0	0	0	NM_001114174	gene model 967, (NCBI) (Gm967), mRNA.	Mme-M400002662	ILMN_2531586	0	0
68521	Fam189b	-0.285	0.302	-0.157	0	0	0	0	0	0	NM_001014995	RIKEN cDNA 1110013L07 gene (1110013L07Rik), mRNA.	Mme-M300008366	ILMN_1223229	0	0
102122	Fam192a	-0.008	-0.093	0.024	0	0	0	0	0	0	NM_028221	RIKEN cDNA 2310065K24 gene (2310065K24Rik), mRNA.	Mme-M200006441	ILMN_2688834	0	0
231128	Fam193a	-0.151	0.004	-0.117	0	0	0	0	0	0	NM_001030306	cDNA sequence BC037112 (BC037112), mRNA.	Mme-M300010803	ILMN_1217423	0	0
212483	Fam193b	0.107	0.154	0.128	0	0	0	0	0	0	NM_145382	cDNA sequence BC021381 (BC021381), mRNA.	Mme-M200007782	ILMN_2760765	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68241	Fam195a	0.285	-0.171	-0.247	0	0	0	0	0	0	NM_026633	RIKEN cDNA 9530058B02 gene (9530058B02Rik), mRNA.	Mme-M200007596	ILMN_2592010	0	0
192173	Fam195b	0.198	0.050	-0.080	0	0	0	0	0	0	NM_001033231	cDNA sequence BC003940 (BC003940), mRNA.	Mme-M200004700	ILMN_1232298	0	0
245050	Fam198a	-0.123	0.088	-0.013	0	0	0	0	0	0	NM_177743	RIKEN cDNA C730027P07 gene (C730027P07Rik), mRNA.	Mme-M300011434	ILMN_2681690	0	0
68659	Fam198b	-0.165	-0.297	0.091	0	0	0	0	0	0	NM_133187	RIKEN cDNA 1110032E23 gene (1110032E23Rik), mRNA.	Mme-M200007450	ILMN_2441625	0	0
245622	Fam199x	-0.121	-0.189	-0.063	0	0	0	0	0	0	NM_146261	cDNA sequence BC031748 (BC031748), mRNA.	Mme-M400011935	ILMN_2632964	0	0
320265	Fam19a1	-0.191	-0.043	-0.094	0	0	0	0	0	0	NM_182808	RIKEN cDNA C630007B19 gene (C630007B19Rik), mRNA.	Mme-M400006689	ILMN_2618488	0	0
268354	Fam19a2	-0.113	-0.060	0.223	0	0	0	0	0	0	NM_182807	expressed sequence AI851790 (AI851790), mRNA.	Mme-M300015117	ILMN_1216550	0	0
329731	Fam19a3	-0.165	0.197	-0.122	0	0	0	0	0	0	NM_183224	RIKEN cDNA 7530404M11 gene (7530404M11Rik), mRNA.	Mme-M400012546	ILMN_2507761	0	0
320701	Fam19a4	-0.110	0.134	-0.016	0	0	0	0	0	0	NM_177233	RIKEN cDNA C130034I18 gene (C130034I18Rik), mRNA.	Mme-M300017398	ILMN_2725882	0	0
106014	Fam19a5	-0.095	-0.151	0.060	0	0	0	0	0	0	NM_134096	expressed sequence AW049604 (AW049604), mRNA.	Mme-M400004959	ILMN_2732491	0	0
76539	Fam204a	0.179	-0.100	0.066	0	0	0	0	0	0	NM_029648	DNA segment, Chr 19, ERATO Doi 737, expressed (D19Ertd737e), mRNA.	Mme-M400006101	ILMN_1249292	0	0
230234	Fam206a	-0.149	-0.029	-0.184	0	0	0	0	0	0	NM_001081420	cDNA sequence BC026590 (BC026590), mRNA.	Mme-M300011793	ILMN_3051252	0	0
108707	Fam207a	0.010	0.048	-0.229	0	0	0	0	0	0	NM_133998	RIKEN cDNA 1810008A18 gene (1810008A18Rik), mRNA.	Mme-M200008398	ILMN_2839145	0	0
218850	Fam208a	-0.017	0.050	0.040	0	0	0	0	0	0	NM_028945	DNA segment, Chr 14, Abbott 1 expressed (D14Abb1e), transcript variant 2, mRNA.	Mme-M300002988	ILMN_2703685	0	0
105203	Fam208b	0.256	-0.175	0.191	0	0	0	0	0	0	NM_134063	cDNA sequence BC016423 (BC016423), mRNA.	Mme-M200004897	ILMN_1223300	0	0
208659	Fam20a	0.064	-0.183	-0.076	0	0	0	0	0	0	NM_153782	cDNA sequence BC029169 (BC029169), mRNA.	Mme-M300002278	ILMN_2840430	0	0
215015	Fam20b	0.078	-0.369	0.879	0	0	1	0	0	1	NM_145413	RIKEN cDNA C530043G21 gene (C530043G21Rik), mRNA.	Mme-M200007055	ILMN_1247603	1	0
80752	Fam20c	0.235	0.174	-0.137	0	0	0	0	0	0	NM_030565	cDNA sequence BC004044 (BC004044), mRNA.	Mme-M200002359	ILMN_1240719	0	0
28006	Fam21	0.079	-0.049	0.116	0	0	0	0	0	0	NM_026585	DNA segment, Chr 6, Wayne State University 116, expressed (D6Wsu116e), mRNA.	Mme-M400000719	ILMN_2686697	0	0
108654	Fam210a	0.175	0.107	-0.019	0	0	0	0	0	0	NM_153794	RIKEN cDNA 4933403F05 gene (4933403F05Rik), mRNA.	Mme-M300011354	ILMN_2661138	0	0
67017	Fam210b	-0.085	-0.107	0.002	0	0	0	0	0	0	NM_025912	RIKEN cDNA 2010011I20 gene (2010011I20Rik), mRNA.	Mme-M400001012	ILMN_2702016	0	0
68176	Fam212a	-0.196	-0.053	-0.031	0	0	0	0	0	0	NM_026597	RIKEN cDNA 6230427J02 gene (6230427J02Rik), mRNA.	Mme-M200015425	ILMN_2888375	0	0
109050	Fam212b	-0.121	0.169	0.158	0	0	0	0	0	0	NM_175398	RIKEN cDNA 6530418L21 gene (6530418L21Rik), mRNA.	Mme-M300019255	ILMN_2747792	0	0
70564	Fam213a	-0.119	-0.205	0.085	0	0	0	0	0	0	NM_027464	RIKEN cDNA 5730469M10 gene (5730469M10Rik), mRNA.	Mme-M200005469	ILMN_1221501	0	0
66469	Fam213b	-0.041	0.126	-0.082	0	0	0	0	0	0	NM_025582	RIKEN cDNA 2810405K02 gene (2810405K02Rik), mRNA.	Mme-M300006458	ILMN_1238542	0	0
235493	Fam214a	0.361	-0.074	-0.030	0	0	0	0	0	0	NM_153584	cDNA sequence BC031353 (BC031353), transcript variant 2, mRNA.	Mme-M300009582	ILMN_2757807	0	0
230088	Fam214b	0.295	0.213	-0.009	0	0	0	0	0	0	NM_172691	RIKEN cDNA B230312A22 gene (B230312A22Rik), mRNA.	Mme-M300010198	ILMN_2603662	0	0
68948	Fam216a	0.067	-0.089	-0.024	0	0	0	0	0	0	NM_026883	RIKEN cDNA 1500011H22 gene (1500011H22Rik), mRNA.	Mme-M200005642	ILMN_2973024	0	0
219170	Fam216b	-0.189	0.074	-0.035	0	0	0	0	0	0	NM_177629	expressed sequence AU021034 (AU021034), mRNA.	Mme-M300016590	ILMN_2914305	0	0
71532	Fam217b	-0.174	0.116	-0.078	0	0	0	0	0	0	NM_001081289	RIKEN cDNA 9030418K01 gene (9030418K01Rik), mRNA.	Mme-M400001297	ILMN_3037758	0	0
71901	Fam219a	-0.038	-0.044	0.054	0	0	0	0	0	0	NM_027993	RIKEN cDNA 2310028H24 gene (2310028H24Rik), mRNA.	Mme-M200014803	ILMN_2446401	0	0
76992	Fam219aos	-0.398	0.036	0.031	0	0	0	0	0	0	XM_001473370	PREDICTED: RIKEN cDNA 1700066J24 gene (1700066J24Rik), mRNA.	Mme-M200011228	ILMN_1244912	0	0
78323	Fam219b	-0.148	0.054	0.097	0	0	0	0	0	0	NM_175273	RIKEN cDNA 2310046O06 gene (2310046O06Rik), mRNA.	Mme-M300008177	ILMN_2651698	0	0
67238	Fam220a	-0.013	0.124	0.041	0	0	0	0	0	0	NM_133703	RIKEN cDNA 2810453I06 gene (2810453I06Rik), mRNA.	Mme-M300019683	ILMN_1224076	0	0
231946	Fam221a	-0.079	0.018	-0.078	0	0	0	0	0	0	NM_172727	RIKEN cDNA D330028D13 gene (D330028D13Rik), mRNA.	Mme-M400003255	ILMN_1217670	0	0
242408	Fam221b	0.111	-0.061	-0.071	0	0	0	0	0	0	NM_175517	RIKEN cDNA 4930412F15 gene (4930412F15Rik), mRNA.	Mme-M300014700	ILMN_2646313	0	0
433940	Fam222a	0.168	-0.082	-0.056	0	0	0	0	0	0	NM_001004180	cDNA sequence BC057022 (BC057022), mRNA.	Mme-M300013433	ILMN_2997861	0	0
216971	Fam222b	-0.266	-0.033	0.012	0	0	0	0	0	0	NM_145430	cDNA sequence BC017647 (BC017647), mRNA.	Mme-M200013301	ILMN_1233664	0	0
68233	Fam229a	-0.124	-0.091	-0.010	0	0	0	0	0	0	NM_001085491	RIKEN cDNA 1700125D06 gene (1700125D06Rik), mRNA.	Mme-M400014003	ILMN_2603608	0	0
66337	Fam229b	0.091	-0.061	0.057	0	0	0	0	0	0	NM_183254	RIKEN cDNA 1700025K23 gene (1700025K23Rik), mRNA.	Mme-M400012548	ILMN_1214517	0	0
68223	Fam24a	0.053	-0.025	0.060	0	0	0	0	0	0	NM_183272	RIKEN cDNA 1700063I17 gene (1700063I17Rik), mRNA.	Mme-M300007469	ILMN_1248923	0	0
69134	Fam25c	-0.378	0.073	-0.103	0	0	0	0	0	0	NM_183278	RIKEN cDNA 2200001I15 gene (2200001I15Rik), mRNA.	Mme-M300014747	ILMN_2678637	0	0
270711	Fam26d	-0.300	-0.087	-0.055	0	0	0	0	0	0	NM_001081165	RIKEN cDNA 4732454E20 gene (4732454E20Rik), mRNA.	Mme-M300012214	ILMN_2533757	0	0
103511	Fam26e	-0.005	0.068	0.053	0	0	0	0	0	0	NM_178908	expressed sequence BB146404 (BB146404), mRNA.	Mme-M300020598	ILMN_1245328	0	0
215900	Fam26f	0.814	0.917	0.468	1	1	1	0	0	1	NM_175449	RIKEN cDNA A630077B13 gene (A630077B13Rik), mRNA.	Mme-M300016956	ILMN_1249864	2	0
67922	Fam32a	0.211	-0.047	0.017	0	0	0	0	0	0	NM_026455	RIKEN cDNA 2510049I19 gene (2510049I19Rik), mRNA.	Mme-M200005944	ILMN_1223730	0	0
75698	Fam35a	-0.185	-0.098	-0.040	0	0	0	0	0	0	NM_029389	RIKEN cDNA 3110001K24 gene (3110001K24Rik), mRNA.	Mme-M400002504	ILMN_1246371	0	0
66294	Fam3a	0.040	-0.027	0.029	0	0	0	0	0	0	NM_025473	RIKEN cDNA 1810037C20 gene (1810037C20Rik), mRNA.	Mme-M200002894	ILMN_2724415	0	0
52793	Fam3b	-0.347	0.121	0.039	0	0	0	0	0	0	NM_020622	open reading frame 9 (ORF9), mRNA.	Mme-M200014746	ILMN_2709997	0	0
27999	Fam3c	-0.033	0.179	-0.166	0	0	0	0	0	0	NM_138587	DNA segment, Chr 6, Wayne State University 176, expressed (D6Wsu176e), mRNA.	Mme-M200005650	ILMN_1229056	0	0
224093	Fam43a	0.203	0.063	-0.065	0	0	0	0	0	0	NM_177632	cDNA sequence BC022623 (BC022623), mRNA.	Mme-M200005905	ILMN_1260286	0	0
67894	Fam45a	0.213	0.158	0.218	0	0	0	0	0	0	NM_026437	RIKEN cDNA 1810055E12 gene (1810055E12Rik), mRNA.	Mme-M200005246	ILMN_2620131	0	0
212943	Fam46a	0.835	0.072	-0.159	1	0	0	0	0	0	XM_135029	PREDICTED: cDNA sequence BC023892, transcript variant 1 (BC023892), mRNA.	Mme-M400015251	ILMN_2502471	0	0
100342	Fam46b	0.147	-0.031	-0.028	0	0	0	0	0	0	NM_175307	RIKEN cDNA 4732473B16 gene (4732473B16Rik), mRNA.	Mme-M300017580	ILMN_2724469	0	0
384198	Fam47e	0.051	0.002	-0.022	0	0	0	0	0	0	NM_001033478	gene model 1381, (NCBI) (Gm1381), mRNA.	Mme-M300015013	ILMN_2990669	0	0
76820	Fam49a	0.130	0.141	0.205	0	0	0	0	0	0	NM_029758	DNA segment, Chr 12, ERATO Doi 553, expressed (D12Ertd553e), mRNA.	Mme-M300002257	ILMN_2983525	0	0
223601	Fam49b	0.287	0.133	-0.114	0	0	0	0	0	0	NM_144846	RIKEN cDNA 0910001A06 gene (0910001A06Rik), mRNA.	Mme-M200004376	ILMN_1235939	0	0
108160	Fam50a	0.024	0.058	-0.083	0	0	0	0	0	0	NM_138607	DNA segment, human DXS9928E (D0HXS9928E), mRNA.	Mme-M300000251	ILMN_2856628	0	0
74504	Fam53a	0.128	-0.032	-0.071	0	0	0	0	0	0	NM_178390	RIKEN cDNA 2410018C17 gene (2410018C17Rik), mRNA.	Mme-M300010879	ILMN_1218311	0	0
77938	Fam53b	0.243	-0.062	-0.030	0	0	0	0	0	0	NM_175268	RIKEN cDNA A930008G19 gene (A930008G19Rik), mRNA.	Mme-M300007510	ILMN_3121784	0	0
66306	Fam53c	0.067	0.016	-0.199	0	0	0	0	0	0	NM_175104	RIKEN cDNA 2810012G03 gene (2810012G03Rik), mRNA.	Mme-M300009269	ILMN_1239177	0	0
68952	Fam57b	-0.127	0.111	0.029	0	0	0	0	0	0	XM_924242	PREDICTED: RIKEN cDNA 1500016O10 gene, transcript variant 2 (1500016O10Rik), mRNA.	Mme-M200004622	ILMN_1223522	0	0
69109	Fam58b	-0.072	-0.118	0.222	0	0	0	0	0	0	NM_197989	RIKEN cDNA 1810009O10 gene (1810009O10Rik), mRNA.	Mme-M200007702	ILMN_2785605	0	0
56306	Fam60a	-0.188	0.094	-0.054	0	0	0	0	0	0	NM_019643	teratocarcinoma expressed, serine rich (Tera), mRNA.	Mme-M300012469	ILMN_2649929	0	0
75007	Fam63a	0.185	0.015	0.078	0	0	0	0	0	0	NM_133858	RIKEN cDNA 4930504E06 gene (4930504E06Rik), mRNA.	Mme-M300011733	ILMN_2630827	0	0
235461	Fam63b	0.190	-0.303	-0.097	0	0	0	0	0	0	NM_172772	RIKEN cDNA B230380D07 gene (B230380D07Rik), mRNA.	Mme-M300013696	ILMN_1214163	0	0
109212	Fam64a	0.175	-0.040	0.038	0	0	0	0	0	0	NM_144526	RIKEN cDNA 6720460F02 gene (6720460F02Rik), mRNA.	Mme-M200004319	ILMN_2994354	0	0
75687	Fam65a	0.115	0.027	-0.007	0	0	0	0	0	0	NM_001081241	RIKEN cDNA 2310066E14 gene (2310066E14Rik), mRNA.	Mme-M200013530	ILMN_1235324	0	0
193385	Fam65b	0.007	-0.150	0.230	0	0	0	0	0	0	NM_029679	RIKEN cDNA 6330500D04 gene (6330500D04Rik), transcript variant 1, mRNA.	Mme-M200015790	ILMN_2431483	0	0
69553	Fam65c	-0.236	0.049	0.133	0	0	0	0	0	0	NM_001080708	RIKEN cDNA 2310033K02 gene (2310033K02Rik), mRNA.	Mme-M300012138	ILMN_2946899	0	0
67266	Fam69a	0.324	-0.107	0.022	0	0	0	0	0	0	NM_026062	RIKEN cDNA 2900024C23 gene (2900024C23Rik), mRNA.	Mme-M200009672	ILMN_2668620	0	0
56279	Fam69b	-0.218	-0.174	-0.136	0	0	0	0	0	0	NM_019833	RIKEN cDNA B230317C12 gene (B230317C12Rik), mRNA.	Mme-M200002188	ILMN_2815594	0	0
240479	Fam69c	0.071	0.140	0.029	0	0	0	0	0	0	NM_173770	RIKEN cDNA B230399E16 gene (B230399E16Rik), mRNA.	Mme-M300018817	ILMN_1230753	0	0
432552	Fam71b	-0.035	-0.005	0.047	0	0	0	0	0	0	NM_001013783	predicted gene, OTTMUSG00000005491 (OTTMUSG00000005491), mRNA.	Mme-M300002169	ILMN_3161932	0	0
70897	Fam71d	-0.154	-0.037	-0.022	0	0	0	0	0	0	NM_027597	RIKEN cDNA 4921509E07 gene (4921509E07Rik), mRNA.	Mme-M400011614	ILMN_2631883	0	0
243822	Fam71e2	-0.059	-0.059	-0.031	0	0	0	0	0	0	NM_172895	RIKEN cDNA 4930401F20 gene (4930401F20Rik), mRNA.	Mme-M300020663	ILMN_2700002	0	0
330277	Fam71f1	-0.068	-0.041	0.033	0	0	0	0	0	0	NM_207258	cDNA sequence BC048651 (BC048651), mRNA.	Mme-M400002290	ILMN_2717642	0	0
108900	Fam72a	-0.054	0.031	0.066	0	0	0	0	0	0	NM_175382	RIKEN cDNA 2700049P18 gene (2700049P18Rik), mRNA.	Mme-M400005077	ILMN_2876971	0	0
215708	Fam73a	-0.207	-0.399	0.710	0	0	1	0	0	1	NM_174868	RIKEN cDNA C030011O14 gene (C030011O14Rik), mRNA.	Mme-M400009259	ILMN_2713004	1	0
108958	Fam73b	0.035	-0.121	-0.097	0	0	0	0	0	0	NM_175392	RIKEN cDNA 5730472N09 gene (5730472N09Rik), mRNA.	Mme-M300005352	ILMN_2765936	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
230789	Fam76a	0.294	-0.171	0.040	0	0	0	0	0	0	NM_145553	cDNA sequence BC008163 (BC008163), mRNA.	Mme-M300006351	ILMN_1242176	0	0
72826	Fam76b	0.244	-0.128	0.120	0	0	0	0	0	0	NM_176836	RIKEN cDNA 2810485I05 gene (2810485I05Rik), mRNA.	Mme-M300011137	ILMN_2695217	0	0
241303	Fam78a	-0.003	0.338	0.276	0	0	0	0	0	0	NM_175511	RIKEN cDNA A130092J06 gene (A130092J06Rik), mRNA.	Mme-M300021282	ILMN_2601453	0	0
226610	Fam78b	-0.100	0.249	-0.245	0	0	0	0	0	0	NM_175461	RIKEN cDNA C030014K22 gene (C030014K22Rik), mRNA.	Mme-M300014741	ILMN_2478626	0	0
76886	Fam81a	0.274	0.190	-0.082	0	0	0	0	0	0	NM_029784	RIKEN cDNA 6430514L14 gene (6430514L14Rik), mRNA.	Mme-M400009630	ILMN_2733204	0	0
238726	Fam81b	-0.136	-0.043	0.025	0	0	0	0	0	0	XM_138722	PREDICTED: gene model 276, (NCBI) (Gm276), mRNA.	Mme-M400000491	ILMN_2527901	0	0
239463	Fam83a	0.073	0.086	-0.002	0	0	0	0	0	0	NM_173862	cDNA sequence BC030396 (BC030396), mRNA.	Mme-M300021877	ILMN_2775106	0	0
208994	Fam83b	0.028	0.052	-0.051	0	0	0	0	0	0	NM_001045518	RIKEN cDNA C530008M07 gene (C530008M07Rik), mRNA.	Mme-M400001456	ILMN_2618164	0	0
71405	Fam83c	-0.153	-0.067	-0.024	0	0	0	0	0	0	NM_027788	RIKEN cDNA 5530400B04 gene (5530400B04Rik), mRNA.	Mme-M300005725	ILMN_2630707	0	0
71878	Fam83d	0.429	-0.198	-0.051	0	0	0	0	0	0	NM_027975	RIKEN cDNA 2310007D09 gene (2310007D09Rik), mRNA.	Mme-M200015690	ILMN_1217065	0	0
73813	Fam83e	-0.159	0.015	0.007	0	0	0	0	0	0	NM_001033170	RIKEN cDNA 4930403C10 gene (4930403C10Rik), mRNA.	Mme-M200010657	ILMN_1242506	0	0
213956	Fam83f	-0.014	-0.224	-0.062	0	0	0	0	0	0	NM_145986	expressed sequence AW544981 (AW544981), mRNA.	Mme-M300003265	ILMN_2759499	0	0
69640	Fam83g	-0.009	-0.190	-0.093	0	0	0	0	0	0	NM_178618	RIKEN cDNA 2310040C09 gene (2310040C09Rik), mRNA.	Mme-M400002618	ILMN_1256927	0	0
105732	Fam83h	-0.231	0.026	0.014	0	0	0	0	0	0	NM_134087	expressed sequence AA409316 (AA409316), mRNA.	Mme-M300017637	ILMN_2743155	0	0
105005	Fam84a	0.055	-0.125	-0.019	0	0	0	0	0	0	NM_029007	expressed sequence AW125753 (AW125753), mRNA.	Mme-M200016298	ILMN_2800051	0	0
399603	Fam84b	-0.465	-0.098	-0.052	0	0	0	0	0	0	XR_035220	PREDICTED: RIKEN cDNA D330050I23 gene (D330050I23Rik), misc RNA.	Mme-M400003995	ILMN_2525025	0	0
69627	Fam89a	0.084	-0.248	-0.057	0	0	0	0	0	0	NM_001081120	RIKEN cDNA 2310031A18 gene (2310031A18Rik), mRNA.	Mme-M300014155	ILMN_2754940	0	0
17826	Fam89b	-0.222	-0.136	-0.142	0	0	0	0	0	0	NM_023166	mammary tumor virus receptor 2 (Mtvr2), transcript variant 2, mRNA.	Mme-M400011430	ILMN_2680872	0	0
68099	Fam92a	0.183	-0.092	0.136	0	0	0	0	0	0	NM_026558	RIKEN cDNA 6720467C03 gene (6720467C03Rik), mRNA.	Mme-M200005112	ILMN_2837195	0	0
436062	Fam92b	0.147	-0.159	-0.122	0	0	0	0	0	0	NM_001033980	RIKEN cDNA 1700120B06 gene (1700120B06Rik), mRNA.	Mme-M400002604	ILMN_3163424	0	0
68250	Fam96a	0.360	0.079	-0.043	0	0	0	0	0	0	NM_026635	RIKEN cDNA 5730536A07 gene (5730536A07Rik), mRNA.	Mme-M200005420	ILMN_2695450	0	0
68523	Fam96b	-0.263	0.003	0.055	0	0	0	0	0	0	NM_026753	RIKEN cDNA 1110019N10 gene (1110019N10Rik), mRNA.	Mme-M300007954	ILMN_2849359	0	0
72722	Fam98a	0.215	0.157	-0.019	0	0	0	0	0	0	NM_133747	RIKEN cDNA 2810405J04 gene (2810405J04Rik), mRNA.	Mme-M200004961	ILMN_1224651	0	0
68215	Fam98b	0.046	-0.066	-0.016	0	0	0	0	0	0	NM_026620	RIKEN cDNA 2610510H03 gene (2610510H03Rik), mRNA.	Mme-M300005598	ILMN_1252463	0	0
73833	Fam98c	-0.116	-0.227	-0.141	0	0	0	0	0	0	NM_028661	RIKEN cDNA 1110006G06 gene (1110006G06Rik), mRNA.	Mme-M300007305	ILMN_1228808	0	0
14087	Fanca	0.159	-0.024	0.020	0	0	0	0	0	0	NM_016925	Fanconi anemia, complementation group A (Fanca), mRNA.	Mme-M200002381	ILMN_1220189	0	0
237211	Fancb	0.043	0.013	-0.036	0	0	0	0	0	0	NM_175027	Fanconi anemia, complementation group B (Fancb), mRNA.	Mme-M300018591	ILMN_2689773	0	0
14088	Fancc	-0.198	0.177	-0.098	0	0	0	0	0	0	NM_007985	Fanconi anemia, complementation group C (Fancc), transcript variant 1, mRNA.	Mme-M200001887	ILMN_2678661	0	0
211651	Fancd2	0.005	0.113	-0.002	0	0	0	0	0	0	NM_001033244	Fanconi anemia, complementation group D2 (Fancd2), mRNA.	Mme-M300009097	ILMN_3161617	0	0
70979	Fancd2os	-0.156	0.024	0.152	0	0	0	0	0	0	NM_027633	RIKEN cDNA 4931417G12 gene (4931417G12Rik), mRNA.	Mme-M200015347	ILMN_2957167	0	0
72775	Fance	0.077	-0.095	0.019	0	0	0	0	0	0	XM_915490	PREDICTED: Fanconi anemia, complementation group E (Fance), mRNA.	Mme-M200005707	ILMN_2656810	0	0
60534	Fancg	-0.241	0.098	-0.021	0	0	0	0	0	0	NM_053081	Fanconi anemia, complementation group G (Fancg), mRNA.	Mme-M200004572	ILMN_1251234	0	0
208836	Fanci	0.034	-0.114	0.040	0	0	0	0	0	0	NM_145946	Fanconi anemia, complementation group I (Fanci), mRNA.	Mme-M300012010	ILMN_2731473	0	0
67030	Fancl	0.153	-0.050	0.047	0	0	0	0	0	0	NM_025923	Fanconi anemia, complementation group L (Fancl), mRNA.	Mme-M200003698	ILMN_1247125	0	0
104806	Fancm	0.033	-0.184	-0.174	0	0	0	0	0	0	NM_178912	Fanconi anemia, complementation group M (Fancm), mRNA.	Mme-M300009988	ILMN_3009719	0	0
66930	Fank1	-0.348	-0.057	0.074	0	0	0	0	0	0	NM_025850	fibronectin type 3 and ankyrin repeat domains 1 (Fank1), mRNA.	Mme-M400004342	ILMN_1212683	0	0
14089	Fap	0.311	0.086	-0.005	0	0	0	0	0	0	NM_007986	fibroblast activation protein (Fap), mRNA.	Mme-M200013759	ILMN_1238305	0	0
67420	Far1	0.113	-0.109	0.128	0	0	0	0	0	0	NM_027379	male sterility domain containing 2 (Mlstd2), transcript variant 2, mRNA.	Mme-M200009539	ILMN_3135107	0	0
330450	Far2	-0.081	0.075	0.166	0	0	0	0	0	0	NM_178797	male sterility domain containing 1 (Mlstd1), mRNA.	Mme-M300007122	ILMN_2591449	0	0
223254	Farp1	0.201	0.179	-0.063	0	0	0	0	0	0	NM_134082	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived) (Farp1), mRNA.	Mme-M400000842	ILMN_1230893	0	0
227377	Farp2	0.070	-0.110	0.026	0	0	0	0	0	0	NM_145519	FERM, RhoGEF and pleckstrin domain protein 2 (Farp2), mRNA.	Mme-M300009123	ILMN_2745925	0	0
23874	Farsb	-0.134	0.078	-0.100	0	0	0	0	0	0	NM_011811	phenylalanyl-tRNA synthetase, beta subunit (Farsb), mRNA.	Mme-M400008650	ILMN_2614825	0	0
14102	Fas	0.036	0.417	0.176	0	0	0	0	0	0	NM_007987	Fas (TNF receptor superfamily member 6) (Fas), mRNA.	Mme-M200000655	ILMN_2479290	0	0
14103	Fasl	0.126	0.110	0.057	0	0	0	0	0	0	NM_010177	Fas ligand (TNF superfamily, member 6) (Fasl), mRNA.	Mme-M200001295	ILMN_1248413	0	0
14104	Fasn	-0.094	-0.050	-0.042	0	0	0	0	0	0	NM_007988	fatty acid synthase (Fasn), mRNA.	Mme-M200001441	ILMN_2874104	0	0
66587	Fastk	0.194	0.148	-0.055	0	0	0	0	0	0	NM_023229	Fas-activated serine/threonine kinase (Fastk), mRNA.	Mme-M200005845	ILMN_2672662	0	0
320720	Fastkd1	0.104	-0.193	0.131	0	0	0	0	0	0	NM_177244	FAST kinase domains 1 (Fastkd1), mRNA.	Mme-M400010233	ILMN_3162793	0	0
75619	Fastkd2	-0.194	-0.033	0.114	0	0	0	0	0	0	NM_172422	FAST kinase domains 2 (Fastkd2), mRNA.	Mme-M200007034	ILMN_2676388	0	0
69577	Fastkd3	0.060	-0.036	-0.034	0	0	0	0	0	0	NM_027123	FAST kinase domains 3 (Fastkd3), mRNA.	Mme-M300002811	ILMN_2696360	0	0
380601	Fastkd5	-0.028	-0.085	-0.022	0	0	0	0	0	0	NM_198176	FAST kinase domains 5 (Fastkd5), mRNA.	Mme-M400012580	ILMN_2716247	0	0
14107	Fat1	0.270	-0.150	-0.242	0	0	0	0	0	0	NM_001081286	FAT tumor suppressor homolog 1 (Drosophila) (Fat1), mRNA.	Mme-M400001394	ILMN_1259809	0	0
245827	Fat2	-0.346	0.040	-0.063	0	0	0	0	0	0	NM_001029988	FAT tumor suppressor homolog 2 (Drosophila) (Fat2), mRNA.	Mme-M400005130	ILMN_2936911	0	0
270120	Fat3	-0.232	0.088	0.078	0	0	0	0	0	0	NM_001080814	FAT tumor suppressor homolog 3 (Drosophila) (Fat3), mRNA.	Mme-M400010580	ILMN_2525400	0	0
329628	Fat4	-0.318	0.017	0.003	0	0	0	0	0	0	NM_183221	FAT tumor suppressor homolog 4 (Drosophila) (Fat4), mRNA.	Mme-M400006534	ILMN_1226274	0	0
77905	Fate1	0.095	-0.058	-0.057	0	0	0	0	0	0	NR_003243	fetal and adult testis expressed 1 (Fate1) on chromosome X.	Mme-M400004523	ILMN_2744859	0	0
14109	Fau	0.116	0.096	-0.172	0	0	0	0	0	0	NM_007990	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived) (Fau), mRNA.	Mme-M400002114	ILMN_2663832	0	0
76132	Faxc	-0.279	-0.041	-0.070	0	0	0	0	0	0	NM_175234	RIKEN cDNA 6230409E13 gene (6230409E13Rik), mRNA.	Mme-M300006014	ILMN_2425657	0	0
217335	Fbf1	-0.140	0.102	0.095	0	0	0	0	0	0	NM_172571	Fas (TNFRSF6) binding factor 1 (Fbf1), mRNA.	Mme-M200007727	ILMN_1242796	0	0
14113	Fbl	0.276	0.286	-0.065	0	0	0	0	0	0	NM_007991	fibrillarin (Fbl), mRNA.	Mme-M300017741	ILMN_1215147	0	0
74202	Fblim1	0.196	-0.118	-0.132	0	0	0	0	0	0	NM_133754	filamin binding LIM protein 1 (Fblim1), mRNA.	Mme-M400011815	ILMN_2837671	0	0
237730	Fbll1	-0.033	-0.155	-0.146	0	0	0	0	0	0	NM_001004147	expressed sequence AI595406 (AI595406), mRNA.	Mme-M300021718	ILMN_1259595	0	0
14114	Fbln1	0.533	-0.404	0.186	0	0	0	0	0	0	NM_010180	fibulin 1 (Fbln1), mRNA.	Mme-M300000789	ILMN_2870672	0	0
14115	Fbln2	-0.177	-0.252	0.299	0	0	0	0	0	0	NM_001081437	fibulin 2 (Fbln2), transcript variant 2, mRNA.	Mme-M400010444	ILMN_1245307	0	0
23876	Fbln5	-0.046	-0.022	-0.003	0	0	0	0	0	0	NM_011812	fibulin 5 (Fbln5), mRNA.	Mme-M200005114	ILMN_2681796	0	0
70370	Fbln7	-0.057	-0.049	0.022	0	0	0	0	0	0	NM_024237	fibulin 7 (Fbln7), mRNA.	Mme-M300005620	ILMN_2637357	0	0
14118	Fbn1	0.497	-0.019	0.085	0	0	0	0	0	0	NM_007993	fibrillin 1 (Fbn1), mRNA.	Mme-M200000263	ILMN_1223552	0	0
14119	Fbn2	-0.337	-0.167	0.051	0	0	0	0	0	0	NM_010181	fibrillin 2 (Fbn2), mRNA.	Mme-M300004226	ILMN_1255033	0	0
14121	Fbp1	0.066	-0.168	-0.035	0	0	0	0	0	0	NM_019395	fructose bisphosphatase 1 (Fbp1), mRNA.	Mme-M200006870	ILMN_2785586	0	0
14120	Fbp2	-0.216	-0.278	0.063	0	0	0	0	0	0	NM_007994	fructose bisphosphatase 2 (Fbp2), mRNA.	Mme-M200001138	ILMN_2634905	0	0
14123	Fbrs	0.088	-0.114	-0.086	0	0	0	0	0	0	XM_284344	PREDICTED: fibrosin 1, transcript variant 1 (Fbs1), mRNA.	Mme-M400007348	ILMN_2702002	0	0
381668	Fbrsl1	0.022	-0.133	0.028	0	0	0	0	0	0	NM_028596	RIKEN cDNA 2410025L10 gene (2410025L10Rik), mRNA.	Mme-M300014398	ILMN_2480713	0	0
30841	Fbxl10	-0.116	0.176	0.072	0	0	0	0	0	0	NM_013910	F-box and leucine-rich repeat protein 10 (Fbxl10), transcript variant 2, mRNA.	Mme-M200015718	ILMN_2451769	0	0
30843	Fbxl12	0.177	0.063	0.083	0	0	0	0	0	0	NM_001002846	F-box and leucine-rich repeat protein 12 (Fbxl12), transcript variant 2, mRNA.	Mme-M400011236	ILMN_3149680	0	0
320118	Fbxl13	-0.342	0.118	-0.041	0	0	0	0	0	0	NM_177076	F-box and leucine-rich repeat protein 13 (Fbxl13), mRNA.	Mme-M300019315	ILMN_2768346	0	0
101358	Fbxl14	0.310	-0.106	0.050	0	0	0	0	0	0	NM_133940	F-box and leucine-rich repeat protein 14 (Fbxl14), mRNA.	Mme-M400011828	ILMN_2972232	0	0
68431	Fbxl15	-0.074	-0.155	-0.133	0	0	0	0	0	0	NM_133694	F-box and leucine-rich repeat protein 15 (Fbxl15), mRNA.	Mme-M200003795	ILMN_2772752	0	0
214931	Fbxl16	0.300	0.411	-0.133	0	0	0	0	0	0	XM_128530	PREDICTED: F-box and leucine-rich repeat protein 16, transcript variant 1 (Fbxl16), mRNA.	Mme-M300004742	ILMN_2653194	0	0
50758	Fbxl17	0.282	-0.121	-0.036	0	0	0	0	0	0	XM_001478436	PREDICTED: F-box and leucine-rich repeat protein 17 (Fbxl17), mRNA.	Mme-M200006839	ILMN_1243964	0	0
231863	Fbxl18	0.313	0.070	0.060	0	0	0	0	0	0	NM_001033312	F-box and leucine-rich repeat protein 18 (Fbxl18), mRNA.	Mme-M300012185	ILMN_2643951	0	0
233902	Fbxl19	0.027	0.013	0.109	0	0	0	0	0	0	NM_172748	F-box and leucine-rich repeat protein 19 (Fbxl19), mRNA.	Mme-M300007442	ILMN_1227024	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
72179	Fbxl2	-0.340	0.103	0.036	0	0	0	0	0	0	NM_178624	F-box and leucine-rich repeat protein 2 (Fbxl2), mRNA.	Mme-M300008286	ILMN_2746776	0	0
72194	Fbxl20	-0.158	-0.039	-0.078	0	0	0	0	0	0	NM_028149	F-box and leucine-rich repeat protein 20 (Fbxl20), mRNA.	Mme-M400003211	ILMN_2729097	0	0
213311	Fbxl21	0.113	0.026	0.076	0	0	0	0	0	0	NM_178674	F-box and leucine-rich repeat protein 21 (Fbxl21), mRNA.	Mme-M300009959	ILMN_2943738	0	0
74165	Fbxl22	-0.021	-0.133	-0.073	0	0	0	0	0	0	NM_175206	F-box and leucine-rich repeat protein 22 (Fbxl22), mRNA.	Mme-M400003694	ILMN_2593117	0	0
50789	Fbxl3	0.103	-0.127	0.121	0	0	0	0	0	0	NM_015822	F-box and leucine-rich repeat protein 3 (Fbxl3), mRNA.	Mme-M200008592	ILMN_2733542	0	0
269514	Fbxl4	0.099	-0.213	-0.076	0	0	0	0	0	0	NM_172988	F-box and leucine-rich repeat protein 4 (Fbxl4), mRNA.	Mme-M300012645	ILMN_2988384	0	0
242960	Fbxl5	0.180	0.081	0.098	0	0	0	0	0	0	NM_178729	F-box and leucine-rich repeat protein 5 (Fbxl5), mRNA.	Mme-M400012493	ILMN_2662020	0	0
30840	Fbxl6	0.151	-0.164	-0.059	0	0	0	0	0	0	NM_013909	F-box and leucine-rich repeat protein 6 (Fbxl6), mRNA.	Mme-M200005638	ILMN_2935032	0	0
448987	Fbxl7	-0.056	-0.064	-0.094	0	0	0	0	0	0	NM_176959	F-box and leucine-rich repeat protein 7 (Fbxl7), mRNA.	Mme-M300014620	ILMN_2514587	0	0
50788	Fbxl8	-0.098	-0.076	0.024	0	0	0	0	0	0	NM_015821	F-box and leucine-rich repeat protein 8 (Fbxl8), mRNA.	Mme-M200007309	ILMN_2588771	0	0
269529	Fbxo10	-0.096	-0.207	-0.151	0	0	0	0	0	0	XM_194139	PREDICTED: F-box protein 10 (Fbxo10), mRNA.	Mme-M300019047	ILMN_2529395	0	0
225055	Fbxo11	0.238	-0.163	0.060	0	0	0	0	0	0	NM_001081034	F-box protein 11 (Fbxo11), mRNA.	Mme-M300000670	ILMN_2525278	0	0
50764	Fbxo15	0.132	0.123	0.070	0	0	0	0	0	0	NM_015798	F-box protein 15 (Fbxo15), mRNA.	Mme-M200005968	ILMN_2987637	0	0
50759	Fbxo16	0.088	-0.131	-0.160	0	0	0	0	0	0	NM_015795	F-box protein 16 (Fbxo16), mRNA.	Mme-M200015151	ILMN_2598074	0	0
50760	Fbxo17	-0.244	-0.060	0.032	0	0	0	0	0	0	NM_015796	F-box protein 17 (Fbxo17), mRNA.	Mme-M400001299	ILMN_2632241	0	0
50755	Fbxo18	-0.030	-0.295	-0.104	0	0	0	0	0	0	NM_015792	F-box protein 18 (Fbxo18), mRNA.	Mme-M400011245	ILMN_2710538	0	0
230904	Fbxo2	-0.080	0.012	-0.047	0	0	0	0	0	0	NM_176848	F-box protein 2 (Fbxo2), mRNA.	Mme-M300013219	ILMN_2822825	0	0
231670	Fbxo21	-0.117	0.160	0.013	0	0	0	0	0	0	NM_145564	F-box protein 21 (Fbxo21), mRNA.	Mme-M200013414	ILMN_1244991	0	0
71999	Fbxo22	0.000	-0.011	0.018	0	0	0	0	0	0	NM_028049	F-box protein 22 (Fbxo22), mRNA.	Mme-M300008182	ILMN_2632389	0	0
71176	Fbxo24	0.106	-0.029	-0.038	0	0	0	0	0	0	XM_132440	PREDICTED: F-box protein 24 (Fbxo24), mRNA.	Mme-M300006837	ILMN_2637347	0	0
66822	Fbxo25	-0.346	-0.058	0.006	0	0	0	0	0	0	NM_025785	F-box protein 25 (Fbxo25), mRNA.	Mme-M400002121	ILMN_2762397	0	0
233040	Fbxo27	0.068	-0.131	0.007	0	0	0	0	0	0	NM_207238	F-box protein 27 (Fbxo27), mRNA.	Mme-M300010934	ILMN_2737738	0	0
67948	Fbxo28	0.067	-0.058	0.076	0	0	0	0	0	0	NM_175127	F-box protein 28 (Fbxo28), mRNA.	Mme-M200012731	ILMN_2653143	0	0
57443	Fbxo3	0.235	0.165	0.090	0	0	0	0	0	0	NM_020593	F-box protein 3 (Fbxo3), transcript variant 2, mRNA.	Mme-M400011373	ILMN_3131522	0	0
71865	Fbxo30	-0.164	-0.028	-0.105	0	0	0	0	0	0	NM_027968	F-box protein 30 (Fbxo30), mRNA.	Mme-M200009428	ILMN_2861445	0	0
76454	Fbxo31	-0.124	-0.305	0.058	0	0	0	0	0	0	NM_133765	F-box protein 31 (Fbxo31), mRNA.	Mme-M200005011	ILMN_1252057	0	0
67731	Fbxo32	0.528	0.197	0.248	0	0	0	0	0	0	NM_026346	F-box protein 32 (Fbxo32), mRNA.	Mme-M200008286	ILMN_2752994	0	0
70611	Fbxo33	0.096	-0.282	-0.159	0	0	0	0	0	0	NM_001033156	F-box protein 33 (Fbxo33), mRNA.	Mme-M200008266	ILMN_3162369	0	0
78938	Fbxo34	-0.010	-0.079	-0.078	0	0	0	0	0	0	NM_030236	F-box protein 34 (Fbxo34), mRNA.	Mme-M200003059	ILMN_1227903	0	0
66153	Fbxo36	0.054	-0.074	-0.143	0	0	0	0	0	0	NM_025386	F-box protein 36 (Fbxo36), mRNA.	Mme-M200005742	ILMN_2717387	0	0
107035	Fbxo38	-0.102	0.070	0.056	0	0	0	0	0	0	NM_134136	F-box protein 38 (Fbxo38), mRNA.	Mme-M200004101	ILMN_2955755	0	0
628100	Fbxo39	0.000	0.007	-0.001	0	0	0	0	0	0	NM_001099688	F-box protein 39 (Fbxo39), mRNA.	Mme-M300018015	ILMN_2534209	0	0
106052	Fbxo4	0.429	0.059	-0.110	0	0	0	0	0	0	NM_134099	F-box protein 4 (Fbxo4), mRNA.	Mme-M200007801	ILMN_2869312	0	0
207215	Fbxo40	0.045	0.139	0.079	0	0	0	0	0	0	NM_001037321	F-box protein 40 (Fbxo40), mRNA.	Mme-M300018581	ILMN_3049851	0	0
330369	Fbxo41	-0.042	-0.051	-0.014	0	0	0	0	0	0	NM_001001160	F-box protein 41 (Fbxo41), mRNA.	Mme-M300017880	ILMN_1228515	0	0
213499	Fbxo42	-0.032	0.064	-0.062	0	0	0	0	0	0	NM_172518	F-box protein 42 (Fbxo42), mRNA.	Mme-M200011679	ILMN_2657190	0	0
78803	Fbxo43	-0.138	0.157	0.039	0	0	0	0	0	0	NM_001081253	F-box protein 43 (Fbxo43), mRNA.	Mme-M200005271	ILMN_2734262	0	0
230903	Fbxo44	-0.053	0.048	-0.151	0	0	0	0	0	0	NM_173401	F-box protein 44 (Fbxo44), mRNA.	Mme-M300006422	ILMN_1229019	0	0
268882	Fbxo45	-0.263	-0.066	-0.075	0	0	0	0	0	0	NM_173439	F-box protein 45 (Fbxo45), mRNA.	Mme-M300010081	ILMN_2451855	0	0
243867	Fbxo46	0.098	0.064	-0.095	0	0	0	0	0	0	NM_175530	F-box protein 46 (Fbxo46), mRNA.	Mme-M300021126	ILMN_2886468	0	0
319701	Fbxo48	-0.212	-0.024	0.011	0	0	0	0	0	0	NM_176982	RIKEN cDNA A630050E13 gene (A630050E13Rik), mRNA.	Mme-M300015949	ILMN_1241094	0	0
67141	Fbxo5	-0.053	-0.037	-0.046	0	0	0	0	0	0	NM_025995	F-box protein 5 (Fbxo5), mRNA.	Mme-M300001822	ILMN_2749583	0	0
50762	Fbxo6	0.256	-0.095	-0.035	0	0	0	0	0	0	NM_015797	F-box protein 6 (Fbxo6), mRNA.	Mme-M300006423	ILMN_2660175	0	0
69754	Fbxo7	-0.134	0.169	-0.044	0	0	0	0	0	0	NM_153195	F-box protein 7 (Fbxo7), mRNA.	Mme-M200014071	ILMN_2612683	0	0
50753	Fbxo8	0.217	-0.018	-0.015	0	0	0	0	0	0	NM_015791	F-box protein 8 (Fbxo8), mRNA.	Mme-M200004807	ILMN_2765389	0	0
71538	Fbxo9	0.219	0.015	0.008	0	0	0	0	0	0	NM_001081490	f-box protein 9 (Fbxo9), transcript variant 2, mRNA.	Mme-M200006080	ILMN_2695306	0	0
213980	Fbxw10	-0.133	0.031	0.004	0	0	0	0	0	0	NM_001033669	F-box and WD-40 domain protein 10 (Fbxw10), mRNA.	Mme-M400009884	ILMN_2473082	0	0
103583	Fbxw11	0.138	-0.088	-0.009	0	0	0	0	0	0	NM_134015	F-box and WD-40 domain protein 11 (Fbxw11), mRNA.	Mme-M200005792	ILMN_2708319	0	0
211305	Fbxw13	-0.133	-0.013	0.029	0	0	0	0	0	0	NM_177598	F-box and WD-40 domain protein 13 (Fbxw13), mRNA.	Mme-M400003530	ILMN_2625152	0	0
50757	Fbxw14	-0.155	0.095	0.050	0	0	0	0	0	0	NM_015793	F-box and WD-40 domain protein 14 (Fbxw14), mRNA.	Mme-M400004702	ILMN_2685725	0	0
382105	Fbxw15	-0.468	0.033	-0.018	0	0	0	0	0	0	NM_199036	F-box and WD-40 domain protein 15 (Fbxw15), mRNA.	Mme-M400003264	ILMN_2535043	0	0
109082	Fbxw17	-0.127	0.013	0.034	0	0	0	0	0	0	NM_175401	F-box and WD-40 domain protein 17 (Fbxw17), mRNA.	Mme-M300011146	ILMN_2615145	0	0
235612	Fbxw19	-0.101	0.014	-0.061	0	0	0	0	0	0	NM_177703	F-box and WD-40 domain protein 19 (Fbxw19), mRNA.	Mme-M400005634	ILMN_1230055	0	0
30050	Fbxw2	0.159	-0.013	0.043	0	0	0	0	0	0	NM_013890	F-box and WD-40 domain protein 2 (Fbxw2), mRNA.	Mme-M300005360	ILMN_2860271	0	0
320082	Fbxw21	-0.267	0.009	0.059	0	0	0	0	0	0	NM_177069	RIKEN cDNA E330009P21 gene (E330009P21Rik), mRNA.	Mme-M400003278	ILMN_1252646	0	0
382109	Fbxw26	-0.270	-0.062	0.050	0	0	0	0	0	0	NM_198674	predicted gene, EG382109 (EG382109), mRNA.	Mme-M400006861	ILMN_3153441	0	0
30838	Fbxw4	0.149	-0.194	0.077	0	0	0	0	0	0	NM_013907	F-box and WD-40 domain protein 4 (Fbxw4), mRNA.	Mme-M200006276	ILMN_1241696	0	0
30839	Fbxw5	0.011	-0.167	-0.071	0	0	0	0	0	0	NM_013908	F-box and WD-40 domain protein 5 (Fbxw5), mRNA.	Mme-M300001363	ILMN_1224907	0	0
50754	Fbxw7	0.127	0.141	-0.072	0	0	0	0	0	0	NM_080428	F-box and WD-40 domain protein 7, archipelago homolog (Drosophila) (Fbxw7), mRNA.	Mme-M200012667	ILMN_2844699	0	0
231672	Fbxw8	0.153	-0.089	-0.224	0	0	0	0	0	0	NM_172721	F-box and WD-40 domain protein 8 (Fbxw8), mRNA.	Mme-M200005189	ILMN_1251236	0	0
64435	Fcamr	0.197	-0.045	0.011	0	0	0	0	0	0	NM_144960	Fc receptor, IgA, IgM, high affinity (Fcamr), mRNA.	Mme-M400000924	ILMN_1254222	0	0
14125	Fcer1a	-0.022	-0.115	-0.069	0	0	0	0	0	0	NM_010184	Fc receptor, IgE, high affinity I, alpha polypeptide (Fcer1a), mRNA.	Mme-M300000663	ILMN_2863390	0	0
14127	Fcer1g	0.203	0.007	0.031	0	0	0	0	0	0	NM_010185	Fc receptor, IgE, high affinity I, gamma polypeptide (Fcer1g), mRNA.	Mme-M200004470	ILMN_2748875	0	0
14128	Fcer2a	-0.049	0.080	0.111	0	0	0	0	0	0	NM_013517	Fc receptor, IgE, low affinity II, alpha polypeptide (Fcer2a), mRNA.	Mme-M300000693	ILMN_2975312	0	0
73736	Fcf1	0.167	0.131	0.007	0	0	0	0	0	0	NM_028632	FCF1 small subunit (SSU) processome component homolog (S. cerevisiae) (Fcf1), mRNA.	Mme-M400000449	ILMN_2906718	0	0
14129	Fcgr1	0.338	0.407	0.180	0	0	0	0	0	0	NM_010186	Fc receptor, IgG, high affinity I (Fcgr1), mRNA.	Mme-M200000053	ILMN_1229523	0	0
14130	Fcgr2b	0.139	0.511	0.268	0	1	0	0	0	0	NM_010187	Fc receptor, IgG, low affinity IIb (Fcgr2b), transcript variant 2, mRNA.	Mme-M300005229	ILMN_1228657	0	0
14131	Fcgr3	0.349	0.521	0.025	0	1	0	0	0	0	NM_010188	Fc receptor, IgG, low affinity III (Fcgr3), mRNA.	Mme-M400011009	ILMN_2687403	0	0
246256	Fcgr4	0.383	0.725	0.182	0	1	0	0	0	1	NM_144559	Fc receptor, IgG, low affinity IV (Fcgr4), mRNA.	Mme-M300021278	ILMN_2631161	1	0
14132	Fcgrt	0.024	0.050	-0.066	0	0	0	0	0	0	NM_010189	Fc receptor, IgG, alpha chain transporter (Fcgrt), mRNA.	Mme-M200001277	ILMN_1221819	0	0
74015	Fcho1	-0.195	0.081	-0.161	0	0	0	0	0	0	NM_028715	FCH domain only 1 (Fcho1), mRNA.	Mme-M400011650	ILMN_2703023	0	0
218503	Fcho2	0.095	-0.195	-0.003	0	0	0	0	0	0	NM_172591	FCH domain only 2 (Fcho2), mRNA.	Mme-M300013299	ILMN_2764019	0	0
319262	Fchsd1	-0.114	0.240	-0.101	0	0	0	0	0	0	NM_175684	FCH and double SH3 domains 1 (Fchsd1), mRNA.	Mme-M300011600	ILMN_1238668	0	0
207278	Fchsd2	0.167	-0.276	-0.010	0	0	0	0	0	0	NM_199012	FCH and double SH3 domains 2 (Fchsd2), mRNA.	Mme-M300007360	ILMN_2798086	0	0
14133	Fcna	-0.037	-0.025	-0.072	0	0	0	0	0	0	NM_007995	ficolin A (Fcna), mRNA.	Mme-M200002938	ILMN_2718589	0	0
14134	Fcnb	0.188	0.088	0.082	0	0	0	0	0	0	NM_010190	ficolin B (Fcnb), mRNA.	Mme-M400000964	ILMN_2663083	0	0
329693	Fcrl5	0.005	0.010	-0.021	0	0	0	0	0	0	NM_001113238	Fc receptor-like 5 (Fcrl5), transcript variant 2, mRNA.	Mme-M300016564	ILMN_2464151	0	0
98752	Fcrla	0.031	0.141	0.168	0	0	0	0	0	0	NM_145141	Fc receptor-like A (Fcrla), mRNA.	Mme-M200000715	ILMN_1236111	0	0
80891	Fcrls	0.050	-0.235	-0.114	0	0	0	0	0	0	NM_030707	Fc receptor-like S, scavenger receptor (Fcrls), mRNA.	Mme-M300001463	ILMN_2831436	0	0
14137	Fdft1	0.141	-0.063	-0.154	0	0	0	0	0	0	NM_010191	farnesyl diphosphate farnesyl transferase 1 (Fdft1), mRNA.	Mme-M300009717	ILMN_2593604	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
110196	Fdps	-0.204	-0.029	0.026	0	0	0	0	0	0	NM_134469	farnesyl diphosphate synthetase (Fdps), mRNA.	Mme-M400011865	ILMN_1225730	0	0
14148	Fdx1	0.180	-0.021	-0.047	0	0	0	0	0	0	NM_007996	ferredoxin 1 (Fdx1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000388	ILMN_1213873	0	0
382137	Fdxacb1	0.274	0.050	0.077	0	0	0	0	0	0	NM_198675	RIKEN cDNA D630004A14 gene (D630004A14Rik), mRNA.	Mme-M300011165	ILMN_2733594	0	0
14149	Fdxr	-0.134	-0.230	-0.168	0	0	0	0	0	0	NM_007997	ferredoxin reductase (Fdxr), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001912	ILMN_2984012	0	0
14151	Fech	0.199	0.171	0.112	0	0	0	0	0	0	NM_007998	ferrochelatase (Fech), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000757	ILMN_1229519	0	0
14154	Fem1a	0.227	0.107	-0.016	0	0	0	0	0	0	NM_010192	feminization 1 homolog a (C. elegans) (Fem1a), mRNA.	Mme-M200005672	ILMN_2807906	0	0
14155	Fem1b	0.044	0.064	-0.012	0	0	0	0	0	0	NM_010193	feminization 1 homolog b (C. elegans) (Fem1b), mRNA.	Mme-M200004007	ILMN_1230162	0	0
240263	Fem1c	0.142	-0.086	-0.045	0	0	0	0	0	0	NM_173423	fem-1 homolog c (C.elegans) (Fem1c), mRNA.	Mme-M300008706	ILMN_2724409	0	0
14156	Fen1	-0.180	0.305	-0.009	0	0	0	0	0	0	NM_007999	flap structure specific endonuclease 1 (Fen1), mRNA.	Mme-M300004287	ILMN_1259473	0	0
14158	Fer	-0.234	0.052	-0.037	0	0	0	0	0	0	NM_008000	fer (fms/fps related) protein kinase, testis specific 2 (Fert2), transcript variant 2, mRNA.	Mme-M400000006	ILMN_3159840	0	0
631797	Fer1l6	0.106	0.062	-0.082	0	0	0	0	0	0	XM_905719	PREDICTED: predicted gene, EG631797 (EG631797), mRNA.	Mme-M400001980	ILMN_1213479	0	0
114712	Ferd3l	-0.128	-0.069	0.019	0	0	0	0	0	0	NM_033522	Fer3-like (Drosophila) (Ferd3l), mRNA.	Mme-M200013040	ILMN_2724181	0	0
241639	Fermt1	-0.383	-0.171	0.068	0	0	0	0	0	0	NM_198029	RIKEN cDNA 5830467P10 gene (5830467P10Rik), mRNA.	Mme-M300005601	ILMN_1234099	0	0
218952	Fermt2	0.061	-0.061	0.051	0	0	0	0	0	0	NM_146054	fermitin family homolog 2 (Drosophila) (Fermt2), mRNA.	Mme-M300011087	ILMN_2582084	0	0
108101	Fermt3	0.149	0.537	0.119	0	1	0	0	0	0	NM_153795	fermitin family homolog 3 (Drosophila) (Fermt3), mRNA.	Mme-M300004395	ILMN_2649392	0	0
14159	Fes	0.263	0.391	0.056	0	0	0	0	0	0	NM_010194	feline sarcoma oncogene (Fes), mRNA.	Mme-M400011010	ILMN_2695793	0	0
59083	Fetub	0.328	-0.365	-0.195	0	0	0	0	0	0	NM_001083904	fetuin beta (Fetub), transcript variant 2, mRNA.	Mme-M200006016	ILMN_2761645	0	0
260298	Fev	-0.495	-0.050	-0.121	0	0	0	0	0	0	NM_153111	FEV (ETS oncogene family) (Fev), mRNA.	Mme-M400005081	ILMN_2729817	0	0
225020	Fez2	-0.223	0.042	-0.008	0	0	0	0	0	0	NM_199448	fasciculation and elongation protein zeta 2 (zygin II) (Fez2), mRNA.	Mme-M400005405	ILMN_2761876	0	0
73191	Fezf1	-0.076	-0.666	0.013	0	-1	0	0	-1	0	XM_133029	PREDICTED: Fez family zinc finger 1 (Fezf1), mRNA.	Mme-M200014789	ILMN_2733155	0	1
54713	Fezf2	0.129	0.188	0.028	0	0	0	0	0	0	NM_080433	Fez family zinc finger 2 (Fezf2), mRNA.	Mme-M200007626	ILMN_2512430	0	0
233081	Ffar1	0.060	0.055	0.052	0	0	0	0	0	0	NM_194057	free fatty acid receptor 1 (Ffar1), mRNA.	Mme-M300015472	ILMN_2750208	0	0
233079	Ffar2	-0.097	0.241	0.055	0	0	0	0	0	0	NM_146187	free fatty acid receptor 2 (Ffar2), mRNA.	Mme-M200016147	ILMN_2756046	0	0
233080	Ffar3	-0.099	0.167	-0.079	0	0	0	0	0	0	NM_001033316	free fatty acid receptor 3 (Ffar3), mRNA.	Mme-M400000322	ILMN_2869075	0	0
107221	Ffar4	-0.058	0.455	-0.067	0	1	0	0	0	0	NM_181748	G protein-coupled receptor 120 (Gpr120), mRNA.	Mme-M400004738	ILMN_2746895	0	0
14161	Fga	0.180	-0.022	0.018	0	0	0	0	0	0	NM_010196	fibrinogen, alpha polypeptide (Fga), transcript variant 2, mRNA.	Mme-M200015946	ILMN_2624363	0	0
110135	Fgb	-0.091	-0.084	-0.036	0	0	0	0	0	0	NM_181849	fibrinogen, B beta polypeptide (Fgb), mRNA.	Mme-M300008976	ILMN_1218075	0	0
14163	Fgd1	0.119	0.048	-0.078	0	0	0	0	0	0	NM_008001	FYVE, RhoGEF and PH domain containing 1 (Fgd1), mRNA.	Mme-M200002682	ILMN_2594009	0	0
26382	Fgd2	0.253	0.262	-0.057	0	0	0	0	0	0	NM_013710	FYVE, RhoGEF and PH domain containing 2 (Fgd2), mRNA.	Mme-M200003970	ILMN_2737903	0	0
30938	Fgd3	-0.156	0.101	-0.045	0	0	0	0	0	0	NM_015759	FYVE, RhoGEF and PH domain containing 3 (Fgd3), mRNA.	Mme-M200003896	ILMN_2685919	0	0
224014	Fgd4	-0.184	-0.012	-0.070	0	0	0	0	0	0	NM_139233	FYVE, RhoGEF and PH domain containing 4 (Fgd4), transcript variant beta, mRNA.	Mme-M400011875	ILMN_2680011	0	0
232237	Fgd5	0.204	0.061	0.038	0	0	0	0	0	0	NM_172731	FYVE, RhoGEF and PH domain containing 5 (Fgd5), mRNA.	Mme-M300009107	ILMN_2741465	0	0
13998	Fgd6	0.128	-0.148	-0.064	0	0	0	0	0	0	NM_053072	FYVE, RhoGEF and PH domain containing 6 (Fgd6), mRNA.	Mme-M200009639	ILMN_1212734	0	0
14164	Fgf1	-0.203	0.135	0.126	0	0	0	0	0	0	NM_010197	fibroblast growth factor 1 (Fgf1), mRNA.	Mme-M400001913	ILMN_2721110	0	0
14165	Fgf10	-0.127	0.235	-0.268	0	0	0	0	0	0	NM_008002	fibroblast growth factor 10 (Fgf10), mRNA.	Mme-M200005037	ILMN_2982771	0	0
14166	Fgf11	-0.178	0.037	-0.041	0	0	0	0	0	0	NM_010198	fibroblast growth factor 11 (Fgf11), mRNA.	Mme-M200014986	ILMN_2677798	0	0
14167	Fgf12	-0.223	0.156	0.137	0	0	0	0	0	0	NM_010199	fibroblast growth factor 12 (Fgf12), transcript variant 2, mRNA.	Mme-M300003331	ILMN_1243357	0	0
14168	Fgf13	-0.027	0.222	0.022	0	0	0	0	0	0	NM_010200	fibroblast growth factor 13 (Fgf13), mRNA.	Mme-M200002625	ILMN_2745480	0	0
14169	Fgf14	0.125	-0.049	0.013	0	0	0	0	0	0	NM_010201	fibroblast growth factor 14 (Fgf14), transcript variant 1, mRNA.	Mme-M300004689	ILMN_2744522	0	0
14170	Fgf15	-0.004	0.005	-0.046	0	0	0	0	0	0	NM_008003	fibroblast growth factor 15 (Fgf15), mRNA.	Mme-M300007549	ILMN_2770929	0	0
80903	Fgf16	-0.015	-0.004	0.025	0	0	0	0	0	0	NM_030614	fibroblast growth factor 16 (Fgf16), mRNA.	Mme-M200009792	ILMN_2629362	0	0
14171	Fgf17	-0.237	0.122	0.057	0	0	0	0	0	0	NM_008004	fibroblast growth factor 17 (Fgf17), mRNA.	Mme-M200003132	ILMN_2812286	0	0
14172	Fgf18	-0.110	-0.210	0.087	0	0	0	0	0	0	NM_008005	fibroblast growth factor 18 (Fgf18), mRNA.	Mme-M200003887	ILMN_1219545	0	0
14173	Fgf2	0.190	0.009	-0.057	0	0	0	0	0	0	NM_008006	fibroblast growth factor 2 (Fgf2), mRNA.	Mme-M200014928	ILMN_1239151	0	0
80857	Fgf20	-0.258	-0.109	-0.045	0	0	0	0	0	0	NM_030610	fibroblast growth factor 20 (Fgf20), mRNA.	Mme-M200009791	ILMN_2624939	0	0
56636	Fgf21	-0.164	0.071	0.038	0	0	0	0	0	0	NM_020013	fibroblast growth factor 21 (Fgf21), mRNA.	Mme-M200009449	ILMN_2710698	0	0
67112	Fgf22	-0.016	0.019	-0.089	0	0	0	0	0	0	NM_023304	fibroblast growth factor 22 (Fgf22), mRNA.	Mme-M400011434	ILMN_2604814	0	0
64654	Fgf23	0.138	-0.019	-0.010	0	0	0	0	0	0	NM_022657	fibroblast growth factor 23 (Fgf23), mRNA.	Mme-M400000007	ILMN_2687816	0	0
14174	Fgf3	-0.128	-0.021	0.074	0	0	0	0	0	0	NM_008007	fibroblast growth factor 3 (Fgf3), mRNA.	Mme-M200002051	ILMN_1231254	0	0
14175	Fgf4	-0.076	-0.115	0.086	0	0	0	0	0	0	NM_010202	fibroblast growth factor 4 (Fgf4), mRNA.	Mme-M400011011	ILMN_2608629	0	0
14176	Fgf5	-0.358	0.111	0.053	0	0	0	0	0	0	NM_010203	fibroblast growth factor 5 (Fgf5), mRNA.	Mme-M300006619	ILMN_2642743	0	0
14177	Fgf6	-0.011	0.141	-0.119	0	0	0	0	0	0	NM_010204	fibroblast growth factor 6 (Fgf6), mRNA.	Mme-M400000008	ILMN_2613997	0	0
14178	Fgf7	-0.030	0.029	0.173	0	0	0	0	0	0	NM_008008	fibroblast growth factor 7 (Fgf7), mRNA.	Mme-M200014953	ILMN_2833706	0	0
14179	Fgf8	-0.366	0.024	-0.010	0	0	0	0	0	0	NM_010205	fibroblast growth factor 8 (Fgf8), mRNA.	Mme-M300004518	ILMN_2721370	0	0
14180	Fgf9	-0.132	-0.026	-0.035	0	0	0	0	0	0	NM_013518	fibroblast growth factor 9 (Fgf9), mRNA.	Mme-M200002744	ILMN_2648289	0	0
14181	Fgfbp1	-0.133	-0.439	0.087	0	-1	0	0	0	0	NM_008009	fibroblast growth factor binding protein 1 (Fgfbp1), mRNA.	Mme-M300019179	ILMN_2759371	0	0
72514	Fgfbp3	0.056	0.023	-0.104	0	0	0	0	0	0	NM_028263	fibroblast growth factor binding protein 3 (Fgfbp3), mRNA.	Mme-M200013700	ILMN_2841593	0	0
14182	Fgfr1	0.015	0.293	0.098	0	0	0	0	0	0	NM_001079909	fibroblast growth factor receptor 1 (Fgfr1), transcript variant 3, mRNA.	Mme-M300007786	ILMN_2727068	0	0
75296	Fgfr1op	-0.041	0.031	0.021	0	0	0	0	0	0	NM_201230	Fgfr1 oncogene partner (Fgfr1op), mRNA.	Mme-M200015539	ILMN_2696339	0	0
67529	Fgfr1op2	0.235	-0.208	-0.145	0	0	0	0	0	0	NM_026218	FGFR1 oncogene partner 2 (Fgfr1op2), mRNA.	Mme-M200005587	ILMN_2628188	0	0
14183	Fgfr2	0.197	-0.249	0.100	0	0	0	0	0	0	NM_201601	fibroblast growth factor receptor 2 (Fgfr2), transcript variant 2, mRNA.	Mme-M300007456	ILMN_2646078	0	0
14184	Fgfr3	0.306	0.355	0.070	0	0	0	0	0	0	NM_008010	fibroblast growth factor receptor 3 (Fgfr3), mRNA.	Mme-M400004751	ILMN_1257208	0	0
14186	Fgfr4	-0.323	0.077	0.024	0	0	0	0	0	0	NM_008011	fibroblast growth factor receptor 4 (Fgfr4), mRNA.	Mme-M300000661	ILMN_2625318	0	0
116701	Fgfrl1	0.087	0.096	-0.056	0	0	0	0	0	0	NM_054071	fibroblast growth factor receptor-like 1 (Fgfrl1), mRNA.	Mme-M200007790	ILMN_2621433	0	0
99571	Fgg	0.025	-0.017	0.048	0	0	0	0	0	0	NM_133862	fibrinogen, gamma polypeptide (Fgg), mRNA.	Mme-M200003433	ILMN_2832105	0	0
75578	Fggy	-0.156	-0.216	0.077	0	0	0	0	0	0	NM_001113412	FGGY carbohydrate kinase domain containing (Fggy), transcript variant 1, mRNA.	Mme-M300006164	ILMN_2669361	0	0
234199	Fgl1	0.006	-0.050	-0.098	0	0	0	0	0	0	NM_145594	fibrinogen-like protein 1 (Fgl1), mRNA.	Mme-M400001387	ILMN_1242370	0	0
14190	Fgl2	0.398	0.156	0.250	0	0	0	0	0	0	NM_008013	fibrinogen-like protein 2 (Fgl2), mRNA.	Mme-M200001161	ILMN_2654554	0	0
14191	Fgr	0.248	-0.056	0.027	0	0	0	0	0	0	NM_010208	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog (Fgr), mRNA.	Mme-M200000515	ILMN_2772595	0	0
14194	Fh1	0.168	0.115	-0.120	0	0	0	0	0	0	NM_010209	fumarate hydratase 1 (Fh1), mRNA.	Mme-M200013624	ILMN_2780489	0	0
229474	Fhdc1	-0.187	-0.310	0.049	0	0	0	0	0	0	NM_001033301	FH2 domain containing 1 (Fhdc1), mRNA.	Mme-M300013383	ILMN_1220688	0	0
14198	Fhit	-0.059	-0.147	-0.165	0	0	0	0	0	0	NM_010210	fragile histidine triad gene (Fhit), mRNA.	Mme-M400007257	ILMN_2748680	0	0
14199	Fhl1	0.549	0.091	-0.074	0	0	0	0	0	0	NM_001077362	four and a half LIM domains 1 (Fhl1), transcript variant 2, mRNA.	Mme-M200001200	ILMN_2713285	0	0
14200	Fhl2	0.052	0.122	0.178	0	0	0	0	0	0	NM_010212	four and a half LIM domains 2 (Fhl2), mRNA.	Mme-M200002429	ILMN_2770386	0	0
14201	Fhl3	0.347	0.174	0.033	0	0	0	0	0	0	NM_010213	four and a half LIM domains 3 (Fhl3), mRNA.	Mme-M300008361	ILMN_2708115	0	0
14202	Fhl4	-0.179	-0.081	0.043	0	0	0	0	0	0	NM_010214	four and a half LIM domains 4 (Fhl4), mRNA.	Mme-M200014414	ILMN_2679626	0	0
57756	Fhl5	-0.110	-0.080	0.107	0	0	0	0	0	0	NM_021318	four and a half LIM domains 5 (Fhl5), mRNA.	Mme-M200015831	ILMN_2663977	0	0
234686	Fhod1	-0.017	-0.157	0.237	0	0	0	0	0	0	NM_177699	formin homology 2 domain containing 1 (Fhod1), mRNA.	Mme-M300001327	ILMN_2980177	0	0
225288	Fhod3	-0.020	-0.056	0.087	0	0	0	0	0	0	NM_175276	formin homology 2 domain containing 3 (Fhod3), mRNA.	Mme-M300009267	ILMN_2672221	0	0
98970	Fibcd1	-0.126	0.061	0.003	0	0	0	0	0	0	NM_178887	fibrinogen C domain containing 1 (Fibcd1), mRNA.	Mme-M300005329	ILMN_1229726	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67606	Fibin	0.207	-0.046	-0.022	0	0	0	0	0	0	NM_026271	RIKEN cDNA 1110018M03 gene (1110018M03Rik), mRNA.	Mme-M400011549	ILMN_2698637	0	0
58249	Fibp	0.137	0.032	-0.052	0	0	0	0	0	0	NM_021438	fibroblast growth factor (acidic) intracellular binding protein (Fibp), mRNA.	Mme-M200013750	ILMN_2674132	0	0
231630	Ficd	0.133	0.063	-0.059	0	0	0	0	0	0	NM_001010825	FIC domain containing (Ficd), mRNA.	Mme-M400004434	ILMN_1224657	0	0
103199	Fig4	-0.013	-0.141	-0.023	0	0	0	0	0	0	NM_133999	FIG4 homolog (S. cerevisiae) (Fig4), mRNA.	Mme-M200004838	ILMN_1256668	0	0
14205	Figf	0.356	0.016	-0.057	0	0	0	0	0	0	NM_010216	c-fos induced growth factor (Figf), mRNA.	Mme-M200001538	ILMN_2697220	0	0
26910	Figla	-0.387	-0.065	0.097	0	0	0	0	0	0	NM_012013	folliculogenesis specific basic helix-loop-helix (Figla), mRNA.	Mme-M200002646	ILMN_2854992	0	0
60344	Fign	-0.059	0.001	-0.101	0	0	0	0	0	0	NM_021716	fidgetin (Fign), mRNA.	Mme-M400011404	ILMN_2680673	0	0
60530	Fignl1	-0.025	0.007	0.179	0	0	0	0	0	0	NM_021891	fidgetin-like 1 (Fignl1), mRNA.	Mme-M200003863	ILMN_2663604	0	0
668225	Fignl2	0.004	-0.010	0.041	0	0	0	0	0	0	XM_001000159	PREDICTED: predicted gene, EG668225 (EG668225), mRNA.	Mme-M400003269	ILMN_1218674	0	0
70598	Filip1	-0.214	-0.149	0.129	0	0	0	0	0	0	NM_001081243	filamin A interacting protein 1 (Filip1), mRNA.	Mme-M300008190	ILMN_2755727	0	0
66899	Fip1l1	0.298	-0.146	0.135	0	0	0	0	0	0	NM_024183	FIP1 like 1 (S. cerevisiae) (Fip1l1), mRNA.	Mme-M200004780	ILMN_1254883	0	0
66437	Fis1	0.162	0.086	0.033	0	0	0	0	0	0	NM_025562	fission 1 (mitochondrial outer membrane) homolog (yeast) (Fis1), nuclear gene encoding mitochondrial protein,	Mme-M200005216	ILMN_2939295	0	0
68680	Fitm1	1.662	0.367	-0.099	1	0	0	1	0	0	NM_026808	RIKEN cDNA 1110028A07 gene (1110028A07Rik), mRNA.	Mme-M200007890	ILMN_1243516	1	0
23877	Fiz1	0.169	0.096	-0.017	0	0	0	0	0	0	NM_001110330	Flt3 interacting zinc finger protein 1 (Fiz1), transcript variant 4, mRNA.	Mme-M400007366	ILMN_2642313	0	0
14221	Fjx1	0.247	0.082	0.193	0	0	0	0	0	0	NM_010218	four jointed box 1 (Drosophila) (Fjx1), mRNA.	Mme-M400012804	ILMN_2737416	0	0
14230	Fkbp10	-0.172	0.231	0.058	0	0	0	0	0	0	NM_010221	FK506 binding protein 10 (Fkbp10), mRNA.	Mme-M200001490	ILMN_1215085	0	0
66120	Fkbp11	0.323	0.126	-0.605	0	0	-1	0	0	-1	NM_024169	FK506 binding protein 11 (Fkbp11), mRNA.	Mme-M200006995	ILMN_1224635	0	1
231997	Fkbp14	0.114	0.007	-0.157	0	0	0	0	0	0	NM_153573	FK506 binding protein 14 (Fkbp14), mRNA.	Mme-M300011326	ILMN_1255363	0	0
14225	Fkbp1a	0.137	0.014	-0.144	0	0	0	0	0	0	NM_008019	FK506 binding protein 1a (Fkbp1a), mRNA.	Mme-M200005761	ILMN_2776025	0	0
14226	Fkbp1b	-0.124	0.059	-0.231	0	0	0	0	0	0	NM_016863	FK506 binding protein 1b (Fkbp1b), mRNA.	Mme-M200003910	ILMN_1226268	0	0
14227	Fkbp2	0.106	-0.070	-0.036	0	0	0	0	0	0	NM_008020	FK506 binding protein 2 (Fkbp2), mRNA.	Mme-M400005569	ILMN_1220875	0	0
30795	Fkbp3	0.088	0.031	0.029	0	0	0	0	0	0	NM_013902	FK506 binding protein 3 (Fkbp3), mRNA.	Mme-M300002482	ILMN_2746755	0	0
14228	Fkbp4	0.058	-0.010	-0.039	0	0	0	0	0	0	NM_010219	FK506 binding protein 4 (Fkbp4), mRNA.	Mme-M200003120	ILMN_1257428	0	0
14229	Fkbp5	0.140	-0.252	-0.222	0	0	0	0	0	0	NM_010220	FK506 binding protein 5 (Fkbp5), mRNA.	Mme-M300004002	ILMN_2718266	0	0
94244	Fkbp6	-0.163	-0.146	-0.020	0	0	0	0	0	0	NM_033571	FK506 binding protein 6 (Fkbp6), mRNA.	Mme-M200005233	ILMN_2774172	0	0
14231	Fkbp7	0.374	-0.026	0.059	0	0	0	0	0	0	NM_010222	FK506 binding protein 7 (Fkbp7), mRNA.	Mme-M200004976	ILMN_1227875	0	0
14232	Fkbp8	-0.087	0.079	0.053	0	0	0	0	0	0	NM_010223	FK506 binding protein 8 (Fkbp8), transcript variant 2, mRNA.	Mme-M200002387	ILMN_2656677	0	0
27055	Fkbp9	0.235	-0.049	-0.106	0	0	0	0	0	0	NM_012056	FK506 binding protein 9 (Fkbp9), mRNA.	Mme-M200004019	ILMN_1249550	0	0
56299	Fkbpl	0.089	-0.066	-0.174	0	0	0	0	0	0	NM_019873	FK506 binding protein-like (Fkbpl), mRNA.	Mme-M200002848	ILMN_2933426	0	0
243853	Fkrp	-0.053	0.012	-0.021	0	0	0	0	0	0	NM_173430	fukutin related protein (Fkrp), mRNA.	Mme-M300019692	ILMN_2607313	0	0
246179	Fktn	0.044	-0.005	0.143	0	0	0	0	0	0	NM_139309	fukutin (Fktn), mRNA.	Mme-M200009694	ILMN_3161480	0	0
319945	Flad1	0.111	0.017	-0.115	0	0	0	0	0	0	NM_177041	RFad1, flavin adenine dinucleotide synthetase, homolog (yeast) (Flad1), mRNA.	Mme-M300013812	ILMN_2602630	0	0
216805	Flcn	0.217	-0.093	-0.074	0	0	0	0	0	0	NM_146018	folliculin (Flcn), mRNA.	Mme-M300008358	ILMN_1213483	0	0
229574	Flg2	-0.142	0.003	0.033	0	0	0	0	0	0	NM_001013804	filaggrin family member 2 (Flg2), mRNA.	Mme-M400004754	ILMN_2528661	0	0
14247	Fli1	0.056	0.077	-0.038	0	0	0	0	0	0	NM_008026	Friend leukemia integration 1 (Fli1), mRNA.	Mme-M200008920	ILMN_2621086	0	0
14248	Flii	0.055	-0.050	-0.210	0	0	0	0	0	0	NM_022009	flightless I homolog (Drosophila) (Flii), mRNA.	Mme-M300000336	ILMN_2980063	0	0
192176	Flna	0.500	0.114	-0.109	0	0	0	0	0	0	NM_010227	filamin, alpha (Flna), mRNA.	Mme-M200005809	ILMN_1245994	0	0
286940	Flnb	-0.068	-0.112	0.035	0	0	0	0	0	0	NM_134080	filamin, beta (Flnb), mRNA.	Mme-M300016906	ILMN_2482571	0	0
68794	Flnc	-0.278	0.421	-0.124	0	1	0	0	0	0	NM_001081185	filamin C, gamma (actin binding protein 280) (Flnc), mRNA.	Mme-M400004289	ILMN_2618364	0	0
14251	Flot1	-0.079	0.074	-0.124	0	0	0	0	0	0	NM_008027	flotillin 1 (Flot1), mRNA.	Mme-M200001115	ILMN_2702464	0	0
14252	Flot2	-0.060	0.281	-0.117	0	0	0	0	0	0	NM_001040403	flotillin 2 (Flot2), transcript variant 1, mRNA.	Mme-M200001470	ILMN_3152380	0	0
396184	Flrt1	0.517	-0.351	-0.112	0	0	0	0	0	0	NM_201411	fibronectin leucine rich transmembrane protein 1 (Flrt1), mRNA.	Mme-M300018618	ILMN_2495167	0	0
399558	Flrt2	0.525	-0.246	0.028	0	0	0	0	0	0	NM_201518	fibronectin leucine rich transmembrane protein 2 (Flrt2), mRNA.	Mme-M300018260	ILMN_2926842	0	0
71436	Flrt3	-0.042	0.163	0.173	0	0	0	0	0	0	NM_178382	fibronectin leucine rich transmembrane protein 3 (Flrt3), mRNA.	Mme-M300022026	ILMN_1229680	0	0
14254	Flt1	0.350	-0.372	0.147	0	0	0	0	0	0	NM_010228	FMS-like tyrosine kinase 1 (Flt1), mRNA.	Mme-M200001345	ILMN_1227926	0	0
14255	Flt3	-0.212	-0.015	0.004	0	0	0	0	0	0	NM_010229	FMS-like tyrosine kinase 3 (Flt3), mRNA.	Mme-M300013148	ILMN_2761370	0	0
14256	Flt3l	0.020	0.226	0.052	0	0	0	0	0	0	NM_013520	FMS-like tyrosine kinase 3 ligand (Flt3l), mRNA.	Mme-M200000664	ILMN_2600397	0	0
14257	Flt4	0.146	0.012	-0.084	0	0	0	0	0	0	NM_008029	FMS-like tyrosine kinase 4 (Flt4), mRNA.	Mme-M200001270	ILMN_2611439	0	0
76917	Flywch2	-0.053	-0.013	-0.193	0	0	0	0	0	0	NM_029798	FLYWCH family member 2 (Flywch2), mRNA.	Mme-M300003808	ILMN_1256528	0	0
14260	Fmn1	-0.279	-0.141	0.285	0	0	0	0	0	0	NM_001043322	formin 1 (Fmn1), transcript variant 2, mRNA.	Mme-M300005482	ILMN_2660698	0	0
54418	Fmn2	0.146	0.234	0.267	0	0	0	0	0	0	NM_019445	formin 2 (Fmn2), mRNA.	Mme-M400001082	ILMN_2829920	0	0
57778	Fmnl1	0.058	0.098	-0.037	0	0	0	0	0	0	NM_019679	formin-like 1 (Fmnl1), transcript variant 1, mRNA.	Mme-M300002479	ILMN_2603689	0	0
71409	Fmnl2	-0.315	0.124	-0.023	0	0	0	0	0	0	NM_172409	formin-like 2 (Fmnl2), mRNA.	Mme-M400010220	ILMN_2656268	0	0
22379	Fmnl3	-0.048	0.054	0.016	0	0	0	0	0	0	NM_011711	formin-like 3 (Fmnl3), mRNA.	Mme-M300003624	ILMN_2834837	0	0
14261	Fmo1	-0.019	0.071	-0.096	0	0	0	0	0	0	NM_010231	flavin containing monooxygenase 1 (Fmo1), mRNA.	Mme-M200000352	ILMN_2838308	0	0
55990	Fmo2	0.352	-0.074	-0.024	0	0	0	0	0	0	NM_018881	flavin containing monooxygenase 2 (Fmo2), mRNA.	Mme-M200007666	ILMN_2604975	0	0
14262	Fmo3	0.174	-0.131	0.089	0	0	0	0	0	0	NM_008030	flavin containing monooxygenase 3 (Fmo3), mRNA.	Mme-M400008685	ILMN_2731963	0	0
226564	Fmo4	0.063	-0.035	0.130	0	0	0	0	0	0	NM_144878	flavin containing monooxygenase 4 (Fmo4), mRNA.	Mme-M200013397	ILMN_2591271	0	0
14263	Fmo5	0.153	0.039	0.114	0	0	0	0	0	0	NM_010232	flavin containing monooxygenase 5 (Fmo5), mRNA.	Mme-M200000667	ILMN_2620233	0	0
240894	Fmo9	0.076	-0.005	-0.038	0	0	0	0	0	0	NM_172844	flavin containing monooxygenase 9 (Fmo9), mRNA.	Mme-M300005171	ILMN_2864559	0	0
14264	Fmod	0.365	-0.258	0.092	0	0	0	0	0	0	NM_021355	fibromodulin (Fmod), mRNA.	Mme-M300013221	ILMN_1230020	0	0
14265	Fmr1	-0.029	-0.005	-0.055	0	0	0	0	0	0	NM_008031	fragile X mental retardation syndrome 1 homolog (Fmr1), mRNA.	Mme-M300000127	ILMN_1229462	0	0
207854	Fmr1nb	-0.100	0.067	0.079	0	0	0	0	0	0	NM_174993	fragile X mental retardation 1 neighbor (Fmr1nb), mRNA.	Mme-M300013998	ILMN_2630428	0	0
14268	Fn1	0.387	-0.235	-0.059	0	0	0	0	0	0	NM_010233	fibronectin 1 (Fn1), mRNA.	Mme-M300004979	ILMN_1260125	0	0
63828	Fn3k	0.144	0.102	-0.052	0	0	0	0	0	0	NM_022014	fructosamine 3 kinase (Fn3k), transcript variant 1, mRNA.	Mme-M400000801	ILMN_1223313	0	0
238024	Fn3krp	0.211	0.104	-0.110	0	0	0	0	0	0	NM_181420	cDNA sequence BC032265 (BC032265), mRNA.	Mme-M300012065	ILMN_2913980	0	0
14269	Fnbp1	-0.352	0.187	0.056	0	0	0	0	0	0	NM_001038700	formin binding protein 1 (Fnbp1), transcript variant 1, mRNA.	Mme-M400008318	ILMN_3041011	0	0
214459	Fnbp1l	0.187	-0.113	-0.091	0	0	0	0	0	0	NM_153118	formin binding protein 1-like (Fnbp1l), transcript variant 2, mRNA.	Mme-M300012336	ILMN_2746132	0	0
55935	Fnbp4	0.186	-0.094	0.130	0	0	0	0	0	0	NM_018828	formin binding protein 4 (Fnbp4), mRNA.	Mme-M300000956	ILMN_1251257	0	0
68655	Fndc1	0.391	-0.056	-0.097	0	0	0	0	0	0	NM_001081416	fibronectin type III domain containing 1 (Fndc1), mRNA.	Mme-M200002407	ILMN_2737014	0	0
319448	Fndc3a	0.126	0.027	-0.097	0	0	0	0	0	0	NM_207636	fibronectin type III domain containing 3a (Fndc3a), mRNA.	Mme-M300008799	ILMN_2639384	0	0
72007	Fndc3b	0.591	0.113	-0.009	0	0	0	0	0	0	NM_173182	fibronectin type III domain containing 3B (Fndc3b), mRNA.	Mme-M400012260	ILMN_2862567	0	0
333564	Fndc3c1	0.007	-0.074	-0.027	0	0	0	0	0	0	NM_001007580	gene model 784, (NCBI) (Gm784), mRNA.	Mme-M300008914	ILMN_3027262	0	0
64339	Fndc4	0.244	0.019	0.028	0	0	0	0	0	0	NM_022424	fibronectin type III domain containing 4 (Fndc4), mRNA.	Mme-M300011622	ILMN_2764255	0	0
384061	Fndc5	0.012	0.161	-0.129	0	0	0	0	0	0	NM_027402	fibronectin type III domain containing 5 (Fndc5), mRNA.	Mme-M200014023	ILMN_2763060	0	0
320181	Fndc7	-0.100	0.075	0.081	0	0	0	0	0	0	NM_177091	fibronectin type III domain containing 7 (Fndc7), mRNA.	Mme-M300016291	ILMN_2825147	0	0
78919	Fndc8	-0.104	0.143	-0.034	0	0	0	0	0	0	NM_030224	fibronectin type III domain containing 8 (Fndc8), mRNA.	Mme-M200011508	ILMN_1247113	0	0
320116	Fndc9	0.356	0.032	0.009	0	0	0	0	0	0	NM_177075	RIKEN cDNA C030019I05 gene (C030019I05Rik), mRNA.	Mme-M300019499	ILMN_2710648	0	0
216742	Fnip1	0.093	-0.246	0.123	0	0	0	0	0	0	NM_173753	folliculin interacting protein 1 (Fnip1), mRNA.	Mme-M300010193	ILMN_1248799	0	0
329679	Fnip2	-0.152	-0.044	-0.020	0	0	0	0	0	0	XM_907047	PREDICTED: RIKEN cDNA D630023B12 gene (D630023B12Rik), mRNA.	Mme-M300005793	ILMN_1258854	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14272	Fnta	-0.001	-0.189	0.088	0	0	0	0	0	0	NM_008033	farnesyltransferase, CAAX box, alpha (Fnta), mRNA.	Mme-M200001360	ILMN_2648991	0	0
110606	Fntb	-0.152	-0.143	-0.141	0	0	0	0	0	0	NM_145927	farnesyltransferase, CAAX box, beta (Fntb), mRNA.	Mme-M400001551	ILMN_2670517	0	0
230393	Focad	0.187	-0.155	-0.147	0	0	0	0	0	0	NM_001081184	cDNA sequence BC057079 (BC057079), mRNA.	Mme-M300011521	ILMN_2760064	0	0
53320	Folh1	-0.171	-0.028	-0.043	0	0	0	0	0	0	NM_016770	folate hydrolase (Folh1), mRNA.	Mme-M300000231	ILMN_2714749	0	0
14275	Folr1	0.153	-0.072	-0.423	0	0	-1	0	0	-1	NM_008034	folate receptor 1 (adult) (Folr1), mRNA.	Mme-M200000812	ILMN_2707541	0	1
14276	Folr2	0.117	-0.037	-0.015	0	0	0	0	0	0	NM_008035	folate receptor 2 (fetal) (Folr2), mRNA.	Mme-M200001032	ILMN_2775030	0	0
64931	Folr4	-0.474	0.113	0.074	0	0	0	0	0	0	NM_176807	folate receptor 4 (delta) (Folr4), transcript variant 2, mRNA.	Mme-M400009601	ILMN_2659388	0	0
66086	Fopnl	-0.255	0.072	0.072	0	0	0	0	0	0	NM_025345	RIKEN cDNA 0610037P05 gene (0610037P05Rik), mRNA.	Mme-M200013866	ILMN_1230077	0	0
14281	Fos	-0.087	-0.234	0.210	0	0	0	0	0	0	NM_010234	FBJ osteosarcoma oncogene (Fos), mRNA.	Mme-M200002112	ILMN_2750515	0	0
14282	Fosb	0.133	-0.002	0.057	0	0	0	0	0	0	NM_008036	FBJ osteosarcoma oncogene B (Fosb), mRNA.	Mme-M300000437	ILMN_2778279	0	0
14283	Fosl1	-0.080	0.048	-0.076	0	0	0	0	0	0	NM_010235	fos-like antigen 1 (Fosl1), mRNA.	Mme-M200002313	ILMN_2649550	0	0
14284	Fosl2	0.351	0.328	-0.284	0	0	0	0	0	0	NM_008037	fos-like antigen 2 (Fosl2), mRNA.	Mme-M300006512	ILMN_1252481	0	0
15375	Foxa1	-0.200	0.072	-0.024	0	0	0	0	0	0	NM_008259	forkhead box A1 (Foxa1), mRNA.	Mme-M200001820	ILMN_1237195	0	0
15376	Foxa2	-0.145	-0.039	0.028	0	0	0	0	0	0	NM_010446	forkhead box A2 (Foxa2), mRNA.	Mme-M200000340	ILMN_1229325	0	0
15377	Foxa3	-0.061	-0.053	-0.043	0	0	0	0	0	0	NM_008260	forkhead box A3 (Foxa3), mRNA.	Mme-M200013953	ILMN_1228748	0	0
64290	Foxb1	-0.008	-0.084	-0.083	0	0	0	0	0	0	NM_022378	forkhead box B1 (Foxb1), mRNA.	Mme-M400011410	ILMN_2770246	0	0
14240	Foxb2	-0.075	-0.009	-0.016	0	0	0	0	0	0	NM_008023	forkhead box B2 (Foxb2), mRNA.	Mme-M200002616	ILMN_1241055	0	0
17300	Foxc1	0.283	-0.490	0.221	0	-1	0	0	0	0	NM_008592	forkhead box C1 (Foxc1), mRNA.	Mme-M200003203	ILMN_2886260	0	0
14234	Foxc2	0.031	-0.402	0.202	0	0	0	0	0	0	NM_013519	forkhead box C2 (Foxc2), mRNA.	Mme-M300017601	ILMN_2703433	0	0
15229	Foxd1	0.029	-0.245	0.087	0	0	0	0	0	0	NM_008242	forkhead box D1 (Foxd1), mRNA.	Mme-M300021456	ILMN_2706755	0	0
17301	Foxd2	-0.235	-0.033	0.046	0	0	0	0	0	0	NM_008593	forkhead box D2 (Foxd2), mRNA.	Mme-M400005087	ILMN_2772051	0	0
14237	Foxd4	-0.246	-0.093	0.031	0	0	0	0	0	0	NM_008022	forkhead box D4 (Foxd4), mRNA.	Mme-M400003832	ILMN_2744317	0	0
110805	Foxe1	-0.058	-0.060	-0.156	0	0	0	0	0	0	NM_183298	forkhead box E1 (thyroid transcription factor 2) (Foxe1), mRNA.	Mme-M300017285	ILMN_3163279	0	0
30923	Foxe3	0.056	-0.086	-0.131	0	0	0	0	0	0	NM_015758	forkhead box E3 (Foxe3), mRNA.	Mme-M400002908	ILMN_1225391	0	0
15227	Foxf1	0.109	-0.110	0.002	0	0	0	0	0	0	NM_010426	forkhead box F1a (Foxf1a), mRNA.	Mme-M200015721	ILMN_2667396	0	0
14238	Foxf2	-0.024	0.058	-0.102	0	0	0	0	0	0	NM_010225	forkhead box F2 (Foxf2), mRNA.	Mme-M200002338	ILMN_2767050	0	0
15228	Foxg1	0.233	0.008	-0.029	0	0	0	0	0	0	NM_008241	forkhead box G1 (Foxg1), mRNA.	Mme-M300002483	ILMN_2599125	0	0
14106	Foxh1	0.059	0.094	-0.005	0	0	0	0	0	0	NM_007989	forkhead box H1 (Foxh1), mRNA.	Mme-M200013831	ILMN_2659741	0	0
14233	Foxi1	0.011	0.049	0.090	0	0	0	0	0	0	NM_023907	forkhead box I1 (Foxi1), mRNA.	Mme-M200007291	ILMN_3000416	0	0
270004	Foxi2	-0.323	-0.132	0.082	0	0	0	0	0	0	NM_183193	forkhead box I2 (Foxi2), mRNA.	Mme-M300019183	ILMN_2894125	0	0
15223	Foxj1	0.070	0.027	0.004	0	0	0	0	0	0	NM_008240	forkhead box J1 (Foxj1), mRNA.	Mme-M200002074	ILMN_2754453	0	0
60611	Foxj2	-0.113	-0.140	0.009	0	0	0	0	0	0	NM_021899	forkhead box J2 (Foxj2), mRNA.	Mme-M300000382	ILMN_1252110	0	0
230700	Foxj3	-0.288	-0.252	0.069	0	0	0	0	0	0	NM_172699	forkhead box J3 (Foxj3), mRNA.	Mme-M300008547	ILMN_1218721	0	0
17425	Foxk1	-0.161	0.055	-0.168	0	0	0	0	0	0	NM_199068	forkhead box K1 (Foxk1), mRNA.	Mme-M300006745	ILMN_1245680	0	0
68837	Foxk2	0.236	-0.063	-0.124	0	0	0	0	0	0	NM_001080932	forkhead box K2 (Foxk2), mRNA.	Mme-M400002241	ILMN_1249752	0	0
14241	Foxl1	0.061	0.043	0.048	0	0	0	0	0	0	NM_008024	forkhead box L1 (Foxl1), mRNA.	Mme-M400010788	ILMN_2770882	0	0
26927	Foxl2	0.404	0.035	0.029	0	0	0	0	0	0	NM_012020	forkhead box L2 (Foxl2), mRNA.	Mme-M300021095	ILMN_2655360	0	0
14235	Foxm1	-0.017	0.160	0.042	0	0	0	0	0	0	NM_008021	forkhead box M1 (Foxm1), mRNA.	Mme-M200013895	ILMN_2731974	0	0
15218	Foxn1	-0.253	0.042	-0.055	0	0	0	0	0	0	NM_008238	forkhead box N1 (Foxn1), mRNA.	Mme-M200001773	ILMN_1240731	0	0
71375	Foxn3	0.159	0.022	-0.055	0	0	0	0	0	0	NM_183186	forkhead box N3 (Foxn3), mRNA.	Mme-M200015881	ILMN_2844097	0	0
116810	Foxn4	-0.173	-0.019	0.060	0	0	0	0	0	0	NM_148935	forkhead box N4 (Foxn4), mRNA.	Mme-M400010390	ILMN_1248018	0	0
56458	Foxo1	0.187	0.060	-0.007	0	0	0	0	0	0	NM_019739	forkhead box O1 (Foxo1), mRNA.	Mme-M200006713	ILMN_2656498	0	0
56484	Foxo3	-0.144	0.028	0.087	0	0	0	0	0	0	NM_019740	forkhead box O3a (Foxo3a), mRNA.	Mme-M200008017	ILMN_2690574	0	0
54601	Foxo4	-0.025	0.082	0.043	0	0	0	0	0	0	NM_018789	forkhead box O4 (Foxo4), mRNA.	Mme-M200015954	ILMN_2676908	0	0
329934	Foxo6	-0.019	-0.051	-0.089	0	0	0	0	0	0	NM_194060	forkhead box O6 (Foxo6), mRNA.	Mme-M400004007	ILMN_3150922	0	0
108655	Foxp1	0.413	0.016	0.241	0	0	0	0	0	0	NM_053202	forkhead box P1 (Foxp1), mRNA.	Mme-M400011773	ILMN_1252078	0	0
114142	Foxp2	0.328	-0.172	0.061	0	0	0	0	0	0	NM_212435	forkhead box P2 (Foxp2), transcript variant 2, mRNA.	Mme-M400016371	ILMN_2659663	0	0
20371	Foxp3	0.007	0.298	0.109	0	0	0	0	0	0	NM_054039	forkhead box P3 (Foxp3), mRNA.	Mme-M200012074	ILMN_2917180	0	0
74123	Foxp4	-0.017	0.080	0.030	0	0	0	0	0	0	NM_028767	forkhead box P4 (Foxp4), transcript variant 3, mRNA.	Mme-M300003849	ILMN_1237606	0	0
15220	Foxq1	0.197	-0.226	0.066	0	0	0	0	0	0	NM_008239	forkhead box Q1 (Foxq1), mRNA.	Mme-M200014070	ILMN_1224637	0	0
382074	Foxr1	-0.499	0.003	0.128	0	0	0	0	0	0	NM_001033469	forkhead box R1 (Foxr1), mRNA.	Mme-M400008478	ILMN_3162291	0	0
235169	Foxred1	0.155	0.141	-0.141	0	0	0	0	0	0	NM_172291	FAD-dependent oxidoreductase domain containing 1 (Foxred1), mRNA.	Mme-M300011906	ILMN_2832886	0	0
239554	Foxred2	0.104	-0.050	-0.172	0	0	0	0	0	0	NM_001017983	FAD-dependent oxidoreductase domain containing 2 (Foxred2), mRNA.	Mme-M300001527	ILMN_3009521	0	0
14239	Foxs1	0.053	0.019	0.163	0	0	0	0	0	0	NM_010226	forkhead box S1 (Foxs1), mRNA.	Mme-M400011013	ILMN_2935157	0	0
14287	Fpgs	0.316	-0.197	-0.066	0	0	0	0	0	0	NM_010236	folylpolyglutamyl synthetase (Fpgs), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011014	ILMN_2747070	0	0
75540	Fpgt	0.070	-0.030	0.088	0	0	0	0	0	0	NM_029330	fucose-1-phosphate guanylyltransferase (Fpgt), mRNA.	Mme-M400004622	ILMN_2637156	0	0
14293	Fpr1	0.164	0.041	0.016	0	0	0	0	0	0	NM_013521	formyl peptide receptor 1 (Fpr1), mRNA.	Mme-M200014868	ILMN_2610944	0	0
14289	Fpr2	0.228	0.318	0.363	0	0	1	0	0	0	NM_008039	formyl peptide receptor 2 (Fpr2), mRNA.	Mme-M400004056	ILMN_1242457	0	0
14294	Fpr3	-0.080	0.108	-0.047	0	0	0	0	0	0	NM_008042	formyl peptide receptor 3 (Fpr3), mRNA.	Mme-M400010791	ILMN_2754393	0	0
14290	Fpr-rs3	-0.138	0.018	-0.031	0	0	0	0	0	0	XR_035279	PREDICTED: formyl peptide receptor, related sequence 3 (Fpr-rs3), misc RNA.	Mme-M200014940	ILMN_2595763	0	0
14291	Fpr-rs4	-0.111	-0.063	-0.059	0	0	0	0	0	0	XR_035254	PREDICTED: formyl peptide receptor, related sequence 4 (Fpr-rs4), misc RNA.	Mme-M400010790	ILMN_2596629	0	0
321020	Fpr-rs6	-0.101	-0.124	0.041	0	0	0	0	0	0	NM_177316	formyl peptide receptor, related sequence 6 (Fpr-rs6), mRNA.	Mme-M400012411	ILMN_2656311	0	0
321021	Fpr-rs7	-0.340	0.022	-0.009	0	0	0	0	0	0	XR_035271	PREDICTED: formyl peptide receptor, related sequence 7 (Fpr-rs7), misc RNA.	Mme-M400012412	ILMN_1241143	0	0
70567	Fra10ac1	-0.108	-0.108	0.060	0	0	0	0	0	0	NM_001081075	RIKEN cDNA 5730455O13 gene (5730455O13Rik), mRNA.	Mme-M400004748	ILMN_2613492	0	0
231470	Fras1	-0.520	-0.117	-0.055	0	0	0	0	0	0	NM_175473	Fraser syndrome 1 homolog (human) (Fras1), mRNA.	Mme-M300006702	ILMN_2774370	0	0
14296	Frat1	-0.237	-0.105	-0.015	0	0	0	0	0	0	NM_008043	frequently rearranged in advanced T-cell lymphomas (Frat1), mRNA.	Mme-M200001817	ILMN_1227593	0	0
212398	Frat2	-0.255	0.032	-0.049	0	0	0	0	0	0	NM_177603	frequently rearranged in advanced T-cell lymphomas 2 (Frat2), mRNA.	Mme-M400003320	ILMN_2824002	0	0
333315	Frem3	-0.398	-0.016	-0.052	0	0	0	0	0	0	XM_906331	PREDICTED: Fras1 related extracellular matrix protein 3 (Frem3), mRNA.	Mme-M400002614	ILMN_1233552	0	0
14300	Frg1	0.017	0.073	-0.090	0	0	0	0	0	0	NM_013522	FSHD region gene 1 (Frg1), mRNA.	Mme-M200000023	ILMN_1240867	0	0
14302	Frk	-0.006	-0.256	-0.085	0	0	0	0	0	0	NM_010237	fyn-related kinase (Frk), mRNA.	Mme-M200002056	ILMN_2615513	0	0
209630	Frmd4a	-0.254	-0.161	0.017	0	0	0	0	0	0	NM_172475	FERM domain containing 4A (Frmd4a), mRNA.	Mme-M300005230	ILMN_1215203	0	0
232288	Frmd4b	0.123	-0.079	-0.022	0	0	0	0	0	0	NM_145148	FERM domain containing 4B (Frmd4b), mRNA.	Mme-M400001214	ILMN_2599341	0	0
228564	Frmd5	0.229	0.076	-0.112	0	0	0	0	0	0	NM_172673	FERM domain containing 5 (Frmd5), mRNA.	Mme-M400000993	ILMN_1227858	0	0
319710	Frmd6	0.164	-0.047	0.102	0	0	0	0	0	0	NM_028127	FERM domain containing 6 (Frmd6), mRNA.	Mme-M300019099	ILMN_2828916	0	0
385354	Frmd7	-0.138	0.103	-0.047	0	0	0	0	0	0	XM_001477880	PREDICTED: FERM domain containing 7 (Frmd7), mRNA.	Mme-M400001877	ILMN_1225267	0	0
67457	Frmd8	0.078	0.181	0.215	0	0	0	0	0	0	NM_026169	FERM domain containing 8 (Frmd8), mRNA.	Mme-M200004090	ILMN_2716876	0	0
666060	Frmpd1	-0.084	-0.124	-0.070	0	0	0	0	0	0	NM_001081172	FERM and PDZ domain containing 1 (Frmpd1), mRNA.	Mme-M300016731	ILMN_2625610	0	0
245643	Frmpd3	-0.190	0.040	-0.008	0	0	0	0	0	0	NM_177750	FERM and PDZ domain containing 3 (Frmpd3), mRNA.	Mme-M300013684	ILMN_2892280	0	0
333605	Frmpd4	0.105	-0.131	0.079	0	0	0	0	0	0	NM_001033330	FERM and PDZ domain containing 4 (Frmpd4), mRNA.	Mme-M400003890	ILMN_2540434	0	0
20321	Frrs1	0.052	-0.043	-0.031	0	0	0	0	0	0	NM_009146	ferric-chelate reductase 1 (Frrs1), transcript variant 2, mRNA.	Mme-M200003705	ILMN_2774349	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
327826	Frs2	0.002	0.075	-0.093	0	0	0	0	0	0	NM_177798	fibroblast growth factor receptor substrate 2 (Frs2), mRNA.	Mme-M300002036	ILMN_2993711	0	0
107971	Frs3	-0.016	-0.112	0.052	0	0	0	0	0	0	NM_144939	fibroblast growth factor receptor substrate 3 (Frs3), mRNA.	Mme-M200016028	ILMN_2638186	0	0
320365	Fry	-0.094	0.238	0.092	0	0	0	0	0	0	XM_488539	PREDICTED: furry homolog (Drosophila), transcript variant 1 (Fry), mRNA.	Mme-M300001488	ILMN_1255252	0	0
72313	Fryl	0.106	-0.128	0.307	0	0	1	0	0	0	NM_177136	furry homolog-like (Drosophila) (Fryl), transcript variant 2, mRNA.	Mme-M300006556	ILMN_2686433	0	0
20378	Frzb	-0.241	-0.040	0.010	0	0	0	0	0	0	NM_011356	frizzled-related protein (Frzb), mRNA.	Mme-M200001249	ILMN_2601155	0	0
14086	Fscn1	0.168	0.485	0.102	0	1	0	0	0	0	NM_007984	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus) (Fscn1), mRNA.	Mme-M200003231	ILMN_2630605	0	0
238021	Fscn2	-0.030	-0.149	0.034	0	0	0	0	0	0	NM_172802	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) (Fscn2), mRNA.	Mme-M300004613	ILMN_2655965	0	0
56223	Fscn3	-0.323	-0.061	-0.007	0	0	0	0	0	0	NM_019569	fascin homolog 3, actin-bundling protein, testicular (Strongylocentrotus purpuratus) (Fscn3), mRNA.	Mme-M200007138	ILMN_2999177	0	0
240121	Fsd1	-0.218	0.027	-0.080	0	0	0	0	0	0	NM_183178	fibronectin type 3 and SPRY domain-containing protein (Fsd1), mRNA.	Mme-M300001151	ILMN_1254128	0	0
244091	Fsd2	0.475	0.232	-0.154	0	0	0	0	0	0	NM_172904	fibronectin type III and SPRY domain containing 2 (Fsd2), mRNA.	Mme-M400009511	ILMN_1242790	0	0
14308	Fshb	-0.318	0.045	-0.137	0	0	0	0	0	0	NM_008045	follicle stimulating hormone beta (Fshb), mRNA.	Mme-M200014587	ILMN_2598788	0	0
14309	Fshr	0.191	0.051	-0.116	0	0	0	0	0	0	NM_013523	follicle stimulating hormone receptor (Fshr), mRNA.	Mme-M200014947	ILMN_2932141	0	0
71313	Fsip1	0.059	0.084	-0.043	0	0	0	0	0	0	NM_027759	fibrous sheath-interacting protein 1 (Fsip1), mRNA.	Mme-M300005595	ILMN_2885394	0	0
241516	Fsip2	0.164	-0.020	0.047	0	0	0	0	0	0	XM_141020	PREDICTED: fibrous sheath-interacting protein 2 (Fsip2), mRNA.	Mme-M400001898	ILMN_2735121	0	0
14313	Fst	0.438	0.219	-0.011	0	0	0	0	0	0	NM_008046	follistatin (Fst), mRNA.	Mme-M200002028	ILMN_1228958	0	0
14314	Fstl1	0.074	0.140	0.129	0	0	0	0	0	0	NM_008047	follistatin-like 1 (Fstl1), mRNA.	Mme-M300003525	ILMN_2734683	0	0
83554	Fstl3	-0.298	0.009	-0.101	0	0	0	0	0	0	NM_031380	follistatin-like 3 (Fstl3), mRNA.	Mme-M200006201	ILMN_2636738	0	0
320027	Fstl4	-0.224	0.241	-0.095	0	0	0	0	0	0	NM_177059	follistatin-like 4 (Fstl4), mRNA.	Mme-M300010295	ILMN_2655058	0	0
213262	Fstl5	0.290	-0.166	0.028	0	0	0	0	0	0	NM_178673	follistatin-like 5 (Fstl5), mRNA.	Mme-M300009140	ILMN_2690540	0	0
14317	Ftcd	0.213	0.138	0.045	0	0	0	0	0	0	NM_080845	formiminotransferase cyclodeaminase (Ftcd), mRNA.	Mme-M200007854	ILMN_1216722	0	0
14319	Fth1	-0.050	-0.022	0.042	0	0	0	0	0	0	NM_010239	ferritin heavy chain 1 (Fth1), mRNA.	Mme-M300004256	ILMN_2876071	0	0
14325	Ftl1	0.064	-0.022	-0.044	0	0	0	0	0	0	NM_010240	ferritin light chain 1 (Ftl1), mRNA.	Mme-M400008897	ILMN_2816707	0	0
67634	Ftmt	0.045	0.136	0.156	0	0	0	0	0	0	NM_026286	ferritin mitochondrial (Ftmt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200011880	ILMN_2705758	0	0
26383	Fto	0.144	-0.001	-0.119	0	0	0	0	0	0	NM_011936	fat mass and obesity associated (Fto), mRNA.	Mme-M400005350	ILMN_2763674	0	0
54632	Ftsj1	0.088	-0.058	0.111	0	0	0	0	0	0	NM_133991	FtsJ homolog 1 (E. coli) (Ftsj1), mRNA.	Mme-M300007591	ILMN_3135668	0	0
68017	Ftsj2	-0.024	-0.065	0.021	0	0	0	0	0	0	NM_026510	FtsJ homolog 2 (E. coli) (Ftsj2), mRNA.	Mme-M200008135	ILMN_2795174	0	0
56095	Ftsj3	-0.294	0.158	0.107	0	0	0	0	0	0	NM_025310	FtsJ homolog 3 (E. coli) (Ftsj3), mRNA.	Mme-M200006657	ILMN_1247468	0	0
51886	Fubp1	0.061	-0.013	-0.046	0	0	0	0	0	0	NM_057172	far upstream element (FUSE) binding protein 1 (Fubp1), mRNA.	Mme-M200005179	ILMN_2683593	0	0
320267	Fubp3	0.096	0.007	0.017	0	0	0	0	0	0	NM_001033389	far upstream element (FUSE) binding protein 3 (Fubp3), mRNA.	Mme-M400000965	ILMN_2438771	0	0
71665	Fuca1	0.297	0.004	-0.055	0	0	0	0	0	0	NM_024243	fucosidase, alpha-L- 1, tissue (Fuca1), mRNA.	Mme-M200004164	ILMN_2696806	0	0
66848	Fuca2	0.102	0.028	-0.020	0	0	0	0	0	0	NM_025799	fucosidase, alpha-L- 2, plasma (Fuca2), mRNA.	Mme-M200005310	ILMN_2621780	0	0
234730	Fuk	-0.012	0.108	-0.063	0	0	0	0	0	0	NM_172283	fucokinase (Fuk), transcript variant 1, mRNA.	Mme-M300008898	ILMN_2641632	0	0
72018	Fundc1	0.132	0.271	0.095	0	0	0	0	0	0	NM_028058	FUN14 domain containing 1 (Fundc1), mRNA.	Mme-M200013650	ILMN_2958016	0	0
67391	Fundc2	0.365	0.123	0.085	0	0	0	0	0	0	NM_026126	FUN14 domain containing 2 (Fundc2), mRNA.	Mme-M200004925	ILMN_2603439	0	0
69064	Fuom	0.181	-0.296	-0.087	0	0	0	0	0	0	NM_026928	RIKEN cDNA 1810014F10 gene (1810014F10Rik), mRNA.	Mme-M200013787	ILMN_1251065	0	0
18550	Furin	0.073	0.188	0.094	0	0	0	0	0	0	NM_001081454	furin (paired basic amino acid cleaving enzyme) (Furin), mRNA.	Mme-M200002216	ILMN_3148489	0	0
233908	Fus	-0.072	0.126	0.053	0	0	0	0	0	0	NM_139149	fusion, derived from t(12;16) malignant liposarcoma (human) (Fus), mRNA.	Mme-M300007435	ILMN_2674979	0	0
14343	Fut1	-0.046	-0.041	-0.120	0	0	0	0	0	0	NM_008051	fucosyltransferase 1 (Fut1), mRNA.	Mme-M200014860	ILMN_2777013	0	0
171167	Fut10	-0.035	0.100	-0.089	0	0	0	0	0	0	NM_001012517	fucosyltransferase 10 (Fut10), transcript variant A, mRNA.	Mme-M200013374	ILMN_1249466	0	0
73068	Fut11	-0.312	0.049	0.077	0	0	0	0	0	0	NM_028428	fucosyltransferase 11 (Fut11), mRNA.	Mme-M400002245	ILMN_1219538	0	0
14344	Fut2	0.203	-0.086	-0.001	0	0	0	0	0	0	NM_018876	fucosyltransferase 2 (Fut2), mRNA.	Mme-M200014925	ILMN_1227075	0	0
14345	Fut4	0.048	0.069	-0.102	0	0	0	0	0	0	NM_010242	fucosyltransferase 4 (Fut4), mRNA.	Mme-M200014896	ILMN_2892507	0	0
14347	Fut7	0.282	-0.010	0.008	0	0	0	0	0	0	NM_013524	fucosyltransferase 7 (Fut7), mRNA.	Mme-M300010453	ILMN_1244868	0	0
53618	Fut8	0.214	-0.121	0.157	0	0	0	0	0	0	NM_016893	fucosyltransferase 8 (Fut8), mRNA.	Mme-M300002538	ILMN_2749471	0	0
14348	Fut9	0.337	0.051	0.015	0	0	0	0	0	0	NM_010243	fucosyltransferase 9 (Fut9), mRNA.	Mme-M400016205	ILMN_2685821	0	0
14349	Fv1	-0.100	0.033	0.045	0	0	0	0	0	0	NM_010244	Friend virus susceptibility 1 (Fv1), mRNA.	Mme-M300016790	ILMN_2736941	0	0
14297	Fxn	0.120	-0.130	0.012	0	0	0	0	0	0	NM_008044	frataxin (Fxn), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002522	ILMN_2670247	0	0
14359	Fxr1	0.107	0.067	0.098	0	0	0	0	0	0	NM_008053	fragile X mental retardation gene 1, autosomal homolog (Fxr1), transcript variant 3, mRNA.	Mme-M200001563	ILMN_1237409	0	0
23879	Fxr2	-0.104	-0.105	-0.085	0	0	0	0	0	0	NM_011814	fragile X mental retardation, autosomal homolog 2 (Fxr2), mRNA.	Mme-M200013793	ILMN_1260445	0	0
56188	Fxyd1	0.007	-0.027	0.122	0	0	0	0	0	0	NM_052991	FXYD domain-containing ion transport regulator 1 (Fxyd1), transcript variant 5, mRNA.	Mme-M300010446	ILMN_3108783	0	0
11936	Fxyd2	-0.287	-0.098	-0.235	0	0	0	0	0	0	NM_007503	FXYD domain-containing ion transport regulator 2 (Fxyd2), transcript variant a, mRNA.	Mme-M200004498	ILMN_1251018	0	0
17178	Fxyd3	0.125	0.153	-0.018	0	0	0	0	0	0	NM_008557	FXYD domain-containing ion transport regulator 3 (Fxyd3), mRNA.	Mme-M200000665	ILMN_2595593	0	0
108017	Fxyd4	-0.560	-0.200	0.079	0	0	0	0	0	0	NM_033648	FXYD domain-containing ion transport regulator 4 (Fxyd4), mRNA.	Mme-M400011756	ILMN_1215552	0	0
18301	Fxyd5	0.293	0.218	0.285	0	0	0	0	0	0	NM_008761	FXYD domain-containing ion transport regulator 5 (Fxyd5), transcript variant 2, mRNA.	Mme-M200000721	ILMN_1235493	0	0
59095	Fxyd6	-0.225	-0.081	-0.113	0	0	0	0	0	0	NM_022004	FXYD domain-containing ion transport regulator 6 (Fxyd6), mRNA.	Mme-M400011405	ILMN_2609998	0	0
57780	Fxyd7	-0.034	0.000	-0.298	0	0	0	0	0	0	NM_022007	FXYD domain-containing ion transport regulator 7 (Fxyd7), mRNA.	Mme-M200013741	ILMN_2723066	0	0
23880	Fyb	0.013	0.420	0.361	0	1	1	0	0	0	NM_011815	FYN binding protein (Fyb), mRNA.	Mme-M200000285	ILMN_3006219	0	0
17281	Fyco1	0.262	-0.112	0.013	0	0	0	0	0	0	NM_001110253	FYVE and coiled-coil domain containing 1 (Fyco1), transcript variant 2, mRNA.	Mme-M400000808	ILMN_2750912	0	0
69823	Fyttd1	0.162	0.019	-0.029	0	0	0	0	0	0	NM_027226	forty-two-three domain containing 1 (Fyttd1), mRNA.	Mme-M200003141	ILMN_2619079	0	0
14362	Fzd1	-0.330	-0.070	0.113	0	0	0	0	0	0	NM_021457	frizzled homolog 1 (Drosophila) (Fzd1), mRNA.	Mme-M400002924	ILMN_2683698	0	0
93897	Fzd10	-0.040	-0.152	0.154	0	0	0	0	0	0	NM_175284	frizzled homolog 10 (Drosophila) (Fzd10), mRNA.	Mme-M300015298	ILMN_2976821	0	0
57265	Fzd2	0.069	0.164	0.043	0	0	0	0	0	0	NM_020510	frizzled homolog 2 (Drosophila) (Fzd2), mRNA.	Mme-M200016293	ILMN_2939666	0	0
14365	Fzd3	-0.028	0.021	0.077	0	0	0	0	0	0	NM_021458	frizzled homolog 3 (Drosophila) (Fzd3), mRNA.	Mme-M300000945	ILMN_2801520	0	0
14366	Fzd4	0.225	-0.212	-0.065	0	0	0	0	0	0	NM_008055	frizzled homolog 4 (Drosophila) (Fzd4), mRNA.	Mme-M300020517	ILMN_1212935	0	0
14367	Fzd5	0.165	0.131	-0.130	0	0	0	0	0	0	NM_001042659	frizzled homolog 5 (Drosophila) (Fzd5), transcript variant 2, mRNA.	Mme-M300015985	ILMN_3161263	0	0
14368	Fzd6	0.110	-0.175	0.151	0	0	0	0	0	0	NM_008056	frizzled homolog 6 (Drosophila) (Fzd6), mRNA.	Mme-M300003191	ILMN_2775016	0	0
14369	Fzd7	0.182	0.287	0.059	0	0	0	0	0	0	NM_008057	frizzled homolog 7 (Drosophila) (Fzd7), mRNA.	Mme-M200001942	ILMN_2907560	0	0
14370	Fzd8	0.064	-0.035	0.010	0	0	0	0	0	0	NM_008058	frizzled homolog 8 (Drosophila) (Fzd8), mRNA.	Mme-M200005068	ILMN_2597578	0	0
14371	Fzd9	-0.145	0.039	0.038	0	0	0	0	0	0	NM_010246	frizzled homolog 9 (Drosophila) (Fzd9), mRNA.	Mme-M200002334	ILMN_2620255	0	0
56371	Fzr1	0.096	0.131	0.109	0	0	0	0	0	0	NM_019757	fizzy/cell division cycle 20 related 1 (Drosophila) (Fzr1), mRNA.	Mme-M200004825	ILMN_1254374	0	0
14373	G0s2	-0.226	-0.200	-0.035	0	0	0	0	0	0	NM_008059	G0/G1 switch gene 2 (G0s2), mRNA.	Mme-M400010793	ILMN_1257299	0	0
217558	G2e3	0.096	-0.083	0.283	0	0	0	0	0	0	NM_001015099	RIKEN cDNA 6030408C04 gene (6030408C04Rik), mRNA.	Mme-M300009841	ILMN_1243663	0	0
27041	G3bp1	0.315	-0.116	-0.180	0	0	0	0	0	0	NM_013716	Ras-GTPase-activating protein SH3-domain binding protein 1 (G3bp1), mRNA.	Mme-M200000777	ILMN_1236599	0	0
23881	G3bp2	-0.056	0.034	-0.284	0	0	0	0	0	0	NM_001080797	GTPase activating protein (SH3 domain) binding protein 2 (G3bp2), transcript variant 5, mRNA.	Mme-M300006664	ILMN_2691815	0	0
106722	G6b	-0.425	-0.115	0.042	0	0	0	0	0	0	NM_001033221	expressed sequence AU023871 (AU023871), mRNA.	Mme-M400001791	ILMN_3161372	0	0
14377	G6pc	-0.306	0.087	-0.043	0	0	0	0	0	0	NM_008061	glucose-6-phosphatase, catalytic (G6pc), mRNA.	Mme-M300001782	ILMN_1245103	0	0
14378	G6pc2	-0.161	0.046	-0.050	0	0	0	0	0	0	NM_021331	glucose-6-phosphatase, catalytic, 2 (G6pc2), mRNA.	Mme-M200009314	ILMN_2629682	0	0
68401	G6pc3	0.140	0.044	-0.059	0	0	0	0	0	0	NM_175935	glucose 6 phosphatase, catalytic, 3 (G6pc3), mRNA.	Mme-M200004377	ILMN_1218602	0	0
14380	G6pd2	0.244	-0.052	-0.084	0	0	0	0	0	0	NM_019468	glucose-6-phosphate dehydrogenase 2 (G6pd2), mRNA.	Mme-M400002985	ILMN_2617607	0	0
14381	G6pdx	0.236	0.082	0.001	0	0	0	0	0	0	NM_008062	glucose-6-phosphate dehydrogenase X-linked (G6pdx), mRNA.	Mme-M200005461	ILMN_2721337	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_signed_423	z3gIngly_signed_616	z3gIngly_signed_921	z4gIngly_signed_423	z4gIngly_signed_616	z4gIngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14387	Gaa	0.235	0.062	-0.143	0	0	0	0	0	0	NM_008064	glucosidase, alpha, acid (Gaa), mRNA.	Mme-M200001958	ILMN_1254199	0	0
14388	Gab1	0.014	-0.038	0.028	0	0	0	0	0	0	NM_021356	growth factor receptor bound protein 2-associated protein 1 (Gab1), mRNA.	Mme-M200004932	ILMN_1222009	0	0
14389	Gab2	0.031	0.120	0.045	0	0	0	0	0	0	NM_010248	growth factor receptor bound protein 2-associated protein 2 (Gab2), mRNA.	Mme-M200013846	ILMN_2650119	0	0
56486	Gabarap	0.101	0.118	0.159	0	0	0	0	0	0	NM_019749	gamma-aminobutyric acid receptor associated protein (Gabarap), mRNA.	Mme-M200006815	ILMN_1251333	0	0
57436	Gabarapl1	-0.114	0.096	-0.065	0	0	0	0	0	0	NM_020590	gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1 (Gabarapl1), mRNA.	Mme-M300007042	ILMN_1236958	0	0
54393	Gabbr1	-0.577	0.106	-0.219	0	0	0	0	0	0	NM_019439	gamma-aminobutyric acid (GABA-B) receptor, 1 (Gabbr1), mRNA.	Mme-M400000746	ILMN_2680745	0	0
242425	Gabbr2	-0.041	-0.014	-0.088	0	0	0	0	0	0	NM_001081141	gamma-aminobutyric acid (GABA) B receptor 2 (Gabbr2), mRNA.	Mme-M400008218	ILMN_2588067	0	0
14390	Gabpa	0.028	-0.066	0.127	0	0	0	0	0	0	NM_008065	GA repeat binding protein, alpha (Gabpa), mRNA.	Mme-M300001001	ILMN_1221800	0	0
14391	Gabpb1	0.128	0.076	-0.092	0	0	0	0	0	0	NM_207669	GA repeat binding protein, beta 1 (Gabpb1), transcript variant 1, mRNA.	Mme-M200000691	ILMN_2646380	0	0
213054	Gabpb2	0.176	0.038	-0.007	0	0	0	0	0	0	NM_172512	GA repeat binding protein, beta 2 (Gabpb2), transcript variant 2, mRNA.	Mme-M400019263	ILMN_2710380	0	0
14394	Gabra1	-0.036	0.078	-0.038	0	0	0	0	0	0	NM_010250	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 1 (Gabra1), mRNA.	Mme-M200002029	ILMN_2653747	0	0
14395	Gabra2	-0.159	-0.046	0.011	0	0	0	0	0	0	NM_008066	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2 (Gabra2), mRNA.	Mme-M200002235	ILMN_2594355	0	0
14396	Gabra3	0.309	0.115	-0.145	0	0	0	0	0	0	NM_008067	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 3 (Gabra3), mRNA.	Mme-M200002677	ILMN_2595601	0	0
14397	Gabra4	0.398	0.012	-0.096	0	0	0	0	0	0	NM_010251	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 4 (Gabra4), mRNA.	Mme-M200009008	ILMN_1237870	0	0
110886	Gabra5	-0.087	0.042	0.036	0	0	0	0	0	0	NM_176942	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 5 (Gabra5), mRNA.	Mme-M300008894	ILMN_2619378	0	0
14399	Gabra6	0.149	0.068	-0.043	0	0	0	0	0	0	NM_008068	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 6 (Gabra6), transcript variant 2, mRNA.	Mme-M200002030	ILMN_2732698	0	0
14400	Gabrb1	0.450	0.246	-0.094	0	0	0	0	0	0	NM_008069	gamma-aminobutyric acid (GABA-A) receptor, subunit beta 1 (Gabrb1), mRNA.	Mme-M400001146	ILMN_2826167	0	0
14401	Gabrb2	0.432	-0.122	-0.052	0	0	0	0	0	0	NM_008070	gamma-aminobutyric acid (GABA-A) receptor, subunit beta 2 (Gabrb2), mRNA.	Mme-M400012226	ILMN_2696413	0	0
14402	Gabrb3	-0.158	0.157	0.190	0	0	0	0	0	0	NM_001038701	gamma-aminobutyric acid (GABA-A) receptor, subunit beta 3 (Gabrb3), transcript variant 2, mRNA.	Mme-M200002632	ILMN_1255861	0	0
14403	Gabrd	0.118	0.449	-0.076	0	1	0	0	0	0	NM_008072	gamma-aminobutyric acid (GABA-A) receptor, subunit delta (Gabrd), mRNA.	Mme-M300006449	ILMN_2698299	0	0
14404	Gabre	-0.176	0.070	-0.037	0	0	0	0	0	0	NM_017369	gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon (Gabre), mRNA.	Mme-M300007680	ILMN_1214000	0	0
14405	Gabrg1	-0.048	-0.191	0.164	0	0	0	0	0	0	NM_010252	gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 1 (Gabrg1), mRNA.	Mme-M300000171	ILMN_2627367	0	0
14406	Gabrg2	-0.125	-0.091	0.142	0	0	0	0	0	0	NM_177408	gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 2 (Gabrg2), transcript variant 2, mRNA.	Mme-M400009858	ILMN_2447867	0	0
14407	Gabrg3	0.170	-0.021	-0.001	0	0	0	0	0	0	NM_008074	gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 3 (Gabrg3), mRNA.	Mme-M400005019	ILMN_2599735	0	0
216643	Gabrp	0.055	-0.083	0.067	0	0	0	0	0	0	NM_146017	gamma-aminobutyric acid (GABA-A) receptor, pi (Gabrp), mRNA.	Mme-M300002027	ILMN_1251237	0	0
57249	Gabrq	-0.139	0.000	0.034	0	0	0	0	0	0	NM_020488	gamma-aminobutyric acid (GABA-A) receptor, subunit theta (Gabrq), mRNA.	Mme-M200008883	ILMN_2745173	0	0
14408	Gabrr1	0.664	0.027	-0.053	1	0	0	0	0	0	NM_008075	gamma-aminobutyric acid (GABA-C) receptor, subunit rho 1 (Gabrr1), mRNA.	Mme-M200003276	ILMN_1217502	0	0
14409	Gabrr2	0.022	0.067	0.004	0	0	0	0	0	0	NM_008076	gamma-aminobutyric acid (GABA-C) receptor, subunit rho 2 (Gabrr2), mRNA.	Mme-M400000667	ILMN_2771013	0	0
328699	Gabrr3	-0.212	-0.019	-0.078	0	0	0	0	0	0	NM_001081190	gamma-aminobutyric acid (GABA) receptor, rho 3 (Gabrr3), mRNA.	Mme-M400000603	ILMN_2530331	0	0
14415	Gad1	0.319	1.264	0.012	0	1	0	0	1	0	NM_008077	glutamic acid decarboxylase 1 (Gad1), mRNA.	Mme-M200003450	ILMN_1234988	1	0
14417	Gad2	0.399	1.075	-0.030	0	1	0	0	1	0	NM_008078	glutamic acid decarboxylase 2 (Gad2), mRNA.	Mme-M200001952	ILMN_2460754	1	0
13197	Gadd45a	0.324	-0.093	0.167	0	0	0	0	0	0	NM_007836	growth arrest and DNA-damage-inducible 45 alpha (Gadd45a), mRNA.	Mme-M200000453	ILMN_2947568	0	0
17873	Gadd45b	-0.168	0.134	0.298	0	0	0	0	0	0	NM_008655	growth arrest and DNA-damage-inducible 45 beta (Gadd45b), mRNA.	Mme-M200000532	ILMN_1246065	0	0
23882	Gadd45g	0.522	-0.039	-0.236	0	0	0	0	0	0	NM_011817	growth arrest and DNA-damage-inducible 45 gamma (Gadd45g), mRNA.	Mme-M200002810	ILMN_2744890	0	0
102060	Gadd45gip1	0.186	-0.039	0.099	0	0	0	0	0	0	NM_183358	growth arrest and DNA-damage-inducible, gamma interacting protein 1 (Gadd45gip1), mRNA.	Mme-M200015284	ILMN_2830860	0	0
231580	Gak	0.088	0.105	0.016	0	0	0	0	0	0	NM_153569	cyclin G associated kinase (Gak), mRNA.	Mme-M200005753	ILMN_2837025	0	0
14419	Gal	-0.065	-0.090	-0.102	0	0	0	0	0	0	NM_010253	galanin (Gal), mRNA.	Mme-M200001867	ILMN_2776034	0	0
53897	Gal3st1	-0.003	-0.185	-0.012	0	0	0	0	0	0	NM_016922	galactose-3-O-sulfotransferase 1 (Gal3st1), mRNA.	Mme-M300020453	ILMN_1258028	0	0
381334	Gal3st2	-0.236	-0.404	-0.058	0	0	0	0	0	0	NM_199366	galactose-3-O-sulfotransferase 2 (Gal3st2), mRNA.	Mme-M400005466	ILMN_3042923	0	0
545276	Gal3st3	-0.166	0.099	0.050	0	0	0	0	0	0	NM_001024717	galactose-3-O-sulfotransferase 3 (Gal3st3), mRNA.	Mme-M300018496	ILMN_1224213	0	0
330217	Gal3st4	-0.138	0.008	-0.130	0	0	0	0	0	0	NM_001033416	galactose-3-O-sulfotransferase 4 (Gal3st4), mRNA.	Mme-M400001175	ILMN_2881155	0	0
14420	Galc	-0.094	-0.131	-0.083	0	0	0	0	0	0	NM_008079	galactosylceramidase (Galc), mRNA.	Mme-M200009347	ILMN_1247261	0	0
74246	Gale	0.237	-0.112	-0.147	0	0	0	0	0	0	NM_178389	galactose-4-epimerase, UDP (Gale), mRNA.	Mme-M200003875	ILMN_1237990	0	0
14635	Galk1	0.160	0.059	-0.041	0	0	0	0	0	0	NM_016905	galactokinase 1 (Galk1), mRNA.	Mme-M200001070	ILMN_2721360	0	0
69976	Galk2	0.088	-0.028	-0.038	0	0	0	0	0	0	NM_175154	galactokinase 2 (Galk2), mRNA.	Mme-M300005513	ILMN_2665352	0	0
319625	Galm	0.026	-0.106	-0.118	0	0	0	0	0	0	NM_176963	galactose mutarotase (Galm), mRNA.	Mme-M300009937	ILMN_2687156	0	0
50917	Galns	0.173	0.083	0.059	0	0	0	0	0	0	NM_016722	galactosamine (N-acetyl)-6-sulfate sulfatase (Galns), mRNA.	Mme-M400011254	ILMN_2771201	0	0
14423	Galnt1	0.216	-0.140	0.083	0	0	0	0	0	0	NM_013814	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (Galnt1), mRNA.	Mme-M400000015	ILMN_2625680	0	0
171212	Galnt10	-0.013	-0.111	-0.166	0	0	0	0	0	0	NM_134189	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (Galnt10), mRNA.	Mme-M300002229	ILMN_2750011	0	0
231050	Galnt11	-0.058	-0.085	-0.114	0	0	0	0	0	0	NM_144908	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 11 (Galnt11), mRNA.	Mme-M200003765	ILMN_2700400	0	0
230145	Galnt12	0.249	0.108	-0.082	0	0	0	0	0	0	NM_172693	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (Galnt12), mRNA.	Mme-M300012364	ILMN_2563464	0	0
271786	Galnt13	-0.145	-0.144	0.198	0	0	0	0	0	0	NM_173030	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (Galnt13), mRNA.	Mme-M400016026	ILMN_2711034	0	0
71685	Galnt14	-0.241	-0.036	0.063	0	0	0	0	0	0	NM_027864	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (Galnt14), mRNA.	Mme-M300003895	ILMN_1252600	0	0
108760	Galnt16	0.264	-0.205	0.009	0	0	0	0	0	0	NM_001081421	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1 (Galntl1), mRNA.	Mme-M200006435	ILMN_1237583	0	0
233733	Galnt18	0.026	0.168	-0.095	0	0	0	0	0	0	NM_173739	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 4 (Galntl4), mRNA.	Mme-M400002116	ILMN_2736514	0	0
108148	Galnt2	0.273	-0.156	-0.144	0	0	0	0	0	0	NM_139272	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (Galnt2), mRNA.	Mme-M300008009	ILMN_2884416	0	0
14425	Galnt3	0.128	0.034	-0.005	0	0	0	0	0	0	NM_015736	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (Galnt3), mRNA.	Mme-M200008070	ILMN_1254361	0	0
14426	Galnt4	0.072	0.015	-0.027	0	0	0	0	0	0	NM_015737	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (Galnt4), mRNA.	Mme-M400011238	ILMN_1242032	0	0
207839	Galnt6	-0.172	-0.040	0.012	0	0	0	0	0	0	NM_172451	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (Galnt6), mRNA.	Mme-M300010849	ILMN_2627386	0	0
108150	Galnt7	0.143	0.054	-0.028	0	0	0	0	0	0	NM_144731	UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase 7 (Galnt7), mRNA.	Mme-M200015102	ILMN_1222366	0	0
67909	Galntl5	-0.156	0.032	0.074	0	0	0	0	0	0	NM_026449	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 5 (Galntl5), mRNA.	Mme-M200009350	ILMN_1248479	0	0
270049	Galntl6	0.059	0.045	0.063	0	0	0	0	0	0	NM_175032	RIKEN cDNA 4930431L04 gene (4930431L04Rik), mRNA.	Mme-M400007570	ILMN_2722260	0	0
232836	Galp	-0.313	0.028	0.005	0	0	0	0	0	0	NM_178028	galanin-like peptide (Galp), mRNA.	Mme-M300009466	ILMN_2641914	0	0
14427	Galr1	-0.034	-0.015	-0.023	0	0	0	0	0	0	NM_008082	galanin receptor 1 (Galr1), mRNA.	Mme-M400000756	ILMN_2707749	0	0
14428	Galr2	-0.244	-0.052	0.004	0	0	0	0	0	0	NM_010254	galanin receptor 2 (Galr2), mRNA.	Mme-M200014943	ILMN_2611343	0	0
14429	Galr3	0.140	-0.057	-0.016	0	0	0	0	0	0	NM_015738	galanin receptor 3 (Galr3), mRNA.	Mme-M200014942	ILMN_2887408	0	0
14430	Galt	0.194	-0.206	-0.129	0	0	0	0	0	0	NM_016658	galactose-1-phosphate uridyl transferase (Galt), mRNA.	Mme-M300010227	ILMN_2677567	0	0
14431	Gamt	0.022	-0.216	-0.064	0	0	0	0	0	0	NM_010255	guanidinoacetate methyltransferase (Gamt), mRNA.	Mme-M200002525	ILMN_2815506	0	0
209239	Gan	-0.181	-0.033	0.274	0	0	0	0	0	0	NM_001081151	giant axonal neuropathy (Gan), mRNA.	Mme-M400004168	ILMN_3091801	0	0
14376	Ganab	0.127	0.251	0.077	0	0	0	0	0	0	NM_008060	alpha glucosidase 2 alpha neutral subunit (Ganab), mRNA.	Mme-M200001233	ILMN_2940440	0	0
76051	Ganc	-0.197	-0.380	-0.129	0	0	0	0	0	0	NM_172672	glucosidase, alpha; neutral C (Ganc), mRNA.	Mme-M300008954	ILMN_2791357	0	0
14432	Gap43	-0.214	-0.016	-0.004	0	0	0	0	0	0	NM_008083	growth associated protein 43 (Gap43), mRNA.	Mme-M300018113	ILMN_1234990	0	0
14433	Gapdh	0.221	0.085	-0.042	0	0	0	0	0	0	NM_008084	glyceraldehyde-3-phosphate dehydrogenase (Gapdh), mRNA.	Mme-M400010688	ILMN_1377924	0	0
14447	Gapdhs	-0.024	0.061	-0.023	0	0	0	0	0	0	NM_008085	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic (Gapdhs), mRNA.	Mme-M200000682	ILMN_2611234	0	0
238875	Gapt	0.123	0.061	-0.088	0	0	0	0	0	0	NM_177713	RIKEN cDNA 9830130M13 gene (9830130M13Rik), mRNA.	Mme-M300016929	ILMN_1231000	0	0
66691	Gapvd1	-0.018	-0.119	0.163	0	0	0	0	0	0	NM_025709	GTPase activating protein and VPS9 domains 1 (Gapvd1), mRNA.	Mme-M200009763	ILMN_2880794	0	0
68147	Gar1	0.110	-0.080	-0.136	0	0	0	0	0	0	NM_026578	nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) (Nola1), mRNA.	Mme-M400001053	ILMN_1226280	0	0
381126	Garem	-0.034	0.106	-0.019	0	0	0	0	0	0	NM_001033445	gene model 944, (NCBI) (Gm944), mRNA.	Mme-M300013834	ILMN_1247948	0	0
242915	Gareml	0.000	0.121	0.035	0	0	0	0	0	0	XM_144253	PREDICTED: gene model 444, (NCBI) (Gm444), mRNA.	Mme-M300015587	ILMN_1250997	0	0
99326	Garnl3	-0.057	-0.066	-0.170	0	0	0	0	0	0	NM_178888	GTPase activating RANGAP domain-like 3 (Garnl3), mRNA.	Mme-M300011816	ILMN_1235488	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
353172	Gars	-0.177	-0.041	0.030	0	0	0	0	0	0	NM_180678	glycyl-tRNA synthetase (Gars), mRNA.	Mme-M300006866	ILMN_2678200	0	0
14450	Gart	0.108	0.054	-0.106	0	0	0	0	0	0	NM_010256	phosphoribosylglycinamide formyltransferase (Gart), mRNA.	Mme-M200001782	ILMN_2622163	0	0
14451	Gas1	-0.318	0.041	-0.031	0	0	0	0	0	0	NM_008086	growth arrest specific 1 (Gas1), mRNA.	Mme-M400004288	ILMN_2642397	0	0
78926	Gas2l1	-0.035	0.039	0.023	0	0	0	0	0	0	NM_030228	growth arrest-specific 2 like 1 (Gas2l1), transcript variant alpha, mRNA.	Mme-M300009212	ILMN_1227503	0	0
237891	Gas2l2	-0.283	-0.085	-0.103	0	0	0	0	0	0	NM_001013759	growth arrest-specific 2 like 2 (Gas2l2), mRNA.	Mme-M400000407	ILMN_2913263	0	0
237436	Gas2l3	-0.052	-0.260	-0.188	0	0	0	0	0	0	NM_001033331	growth arrest-specific 2 like 3 (Gas2l3), transcript variant 1, mRNA.	Mme-M400000346	ILMN_1234549	0	0
14455	Gas5	0.057	0.122	0.051	0	0	0	0	0	0	NR_002840	growth arrest specific 5 (Gas5) on chromosome 1.	Mme-M400011198	ILMN_2680850	0	0
14456	Gas6	0.279	0.091	-0.149	0	0	0	0	0	0	NM_019521	growth arrest specific 6 (Gas6), mRNA.	Mme-M400001372	ILMN_2686327	0	0
14457	Gas7	-0.267	0.376	0.235	0	0	0	0	0	0	NM_008088	growth arrest specific 7 (Gas7), transcript variant 1, mRNA.	Mme-M400017928	ILMN_2924831	0	0
104346	Gas8	0.041	0.128	-0.088	0	0	0	0	0	0	NM_018855	growth arrest specific 8 (Gas8), mRNA.	Mme-M200002761	ILMN_1239092	0	0
14459	Gast	-0.063	0.151	0.036	0	0	0	0	0	0	NM_010257	gastrin (Gast), mRNA.	Mme-M200001940	ILMN_1241636	0	0
14460	Gata1	-0.268	0.061	0.081	0	0	0	0	0	0	NM_008089	GATA binding protein 1 (Gata1), mRNA.	Mme-M200000519	ILMN_1237279	0	0
14461	Gata2	-0.122	-0.120	0.026	0	0	0	0	0	0	NM_008090	GATA binding protein 2 (Gata2), mRNA.	Mme-M200000556	ILMN_2612283	0	0
14462	Gata3	0.283	0.138	0.161	0	0	0	0	0	0	NM_008091	GATA binding protein 3 (Gata3), mRNA.	Mme-M200000214	ILMN_1248843	0	0
14463	Gata4	-0.177	-0.063	0.013	0	0	0	0	0	0	NM_008092	GATA binding protein 4 (Gata4), mRNA.	Mme-M300003025	ILMN_2817903	0	0
14464	Gata5	-0.265	0.056	0.006	0	0	0	0	0	0	NM_008093	GATA binding protein 5 (Gata5), mRNA.	Mme-M300001434	ILMN_2596855	0	0
14465	Gata6	-0.040	-1.195	-0.055	0	-1	0	0	-1	0	NM_010258	GATA binding protein 6 (Gata6), mRNA.	Mme-M400000110	ILMN_2868133	0	1
67210	Gatad1	0.070	-0.349	-0.136	0	0	0	0	0	0	NM_026033	GATA zinc finger domain containing 1 (Gatad1), mRNA.	Mme-M300000896	ILMN_2982097	0	0
229542	Gatad2b	0.057	-0.060	0.171	0	0	0	0	0	0	NM_139304	GATA zinc finger domain containing 2B (Gatad2b), mRNA.	Mme-M200008514	ILMN_1251852	0	0
229487	Gatb	-0.048	-0.213	-0.137	0	0	0	0	0	0	NM_144896	PET112-like (yeast) (Pet112l), mRNA.	Mme-M200014728	ILMN_2755915	0	0
384281	Gatc	0.249	0.089	-0.043	0	0	0	0	0	0	NM_029645	glutamyl-tRNA(Gln) amidotransferase, subunit C homolog (bacterial) (Gatc), mRNA.	Mme-M300006728	ILMN_1236821	0	0
67092	Gatm	0.140	0.024	0.174	0	0	0	0	0	0	NM_025961	glycine amidinotransferase (L-arginine:glycine amidinotransferase) (Gatm), nuclear gene encoding mitochondria	Mme-M200006756	ILMN_2736337	0	0
80909	Gatsl2	0.249	0.203	0.032	0	0	0	0	0	0	NM_030719	opposite strand transcription unit to Stag3 (Gats), mRNA.	Mme-M200011517	ILMN_1237690	0	0
71962	Gatsl3	0.085	-0.170	-0.043	0	0	0	0	0	0	NM_028022	RIKEN cDNA 2410008K03 gene (2410008K03Rik), mRNA.	Mme-M200002601	ILMN_2759563	0	0
14466	Gba	0.129	0.273	-0.024	0	0	0	0	0	0	NM_001077411	glucosidase, beta, acid (Gba), mRNA.	Mme-M200002104	ILMN_3130172	0	0
230101	Gba2	0.077	-0.140	0.057	0	0	0	0	0	0	NM_172692	glucosidase beta 2 (Gba2), mRNA.	Mme-M300006109	ILMN_1256905	0	0
14467	Gbas	0.426	0.118	-0.132	0	0	0	0	0	0	NM_008095	glioblastoma amplified sequence (Gbas), mRNA.	Mme-M200003096	ILMN_2703585	0	0
74185	Gbe1	0.357	0.045	0.011	0	0	0	0	0	0	NM_028803	glucan (1,4-alpha-), branching enzyme 1 (Gbe1), mRNA.	Mme-M200006379	ILMN_2592690	0	0
107338	Gbf1	0.061	-0.440	0.484	0	-1	1	0	0	1	NM_178930	golgi-specific brefeldin A-resistance factor 1 (Gbf1), mRNA.	Mme-M300004522	ILMN_2726603	1	0
227671	Gbgt1	0.012	-0.061	0.091	0	0	0	0	0	0	NM_139197	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (Gbgt1), mRNA.	Mme-M200013265	ILMN_2623799	0	0
14469	Gbp2	0.741	1.067	0.410	1	1	1	0	0	1	NM_010260	guanylate nucleotide binding protein 2 (Gbp2), mRNA.	Mme-M200004765	ILMN_3047389	2	0
14468	Gbp2b	1.028	0.998	0.316	1	1	1	1	1	0	NM_010259	guanylate nucleotide binding protein 1 (Gbp1), mRNA.	Mme-M200000089	ILMN_1233293	2	0
55932	Gbp3	0.399	0.955	0.459	0	1	1	0	1	1	NM_018734	guanylate nucleotide binding protein 3 (Gbp3), mRNA.	Mme-M400001076	ILMN_2918002	2	0
17472	Gbp4	0.918	0.119	-0.048	1	0	0	1	0	0	NM_008620	guanylate nucleotide binding protein 4 (Gbp4), mRNA.	Mme-M300006598	ILMN_2606792	1	0
229898	Gbp5	0.236	0.694	0.789	0	1	1	0	1	1	NM_153564	guanylate nucleotide binding protein 5 (Gbp5), mRNA.	Mme-M300012578	ILMN_1244866	2	0
100702	Gbp6	0.974	-0.055	-0.008	1	0	0	1	0	0	NM_194336	macrophage activation 2 like (Mpa2l), mRNA.	Mme-M400004866	ILMN_2653249	1	0
229900	Gbp7	0.438	0.936	0.358	0	1	1	0	1	0	NM_001083312	guanylate binding protein 6 (Gbp6), mRNA.	Mme-M400002349	ILMN_2860649	1	0
76074	Gbp8	0.892	0.020	-0.015	1	0	0	1	0	0	NM_029509	RIKEN cDNA 5830443L24 gene (5830443L24Rik), mRNA.	Mme-M400001703	ILMN_2646187	1	0
236573	Gbp9	0.596	0.237	-0.035	0	0	0	0	0	0	NM_172777	cDNA sequence BC057170 (BC057170), mRNA.	Mme-M400008027	ILMN_2603001	0	0
231044	Gbx1	-0.119	0.056	-0.099	0	0	0	0	0	0	NM_015739	gastrulation brain homeobox 1 (Gbx1), mRNA.	Mme-M400006131	ILMN_2666236	0	0
14472	Gbx2	0.048	-0.106	0.154	0	0	0	0	0	0	NM_010262	gastrulation brain homeobox 2 (Gbx2), mRNA.	Mme-M200000501	ILMN_1249766	0	0
14473	Gc	0.043	-0.064	0.006	0	0	0	0	0	0	NM_008096	group specific component (Gc), mRNA.	Mme-M200012714	ILMN_1224923	0	0
227960	Gca	0.137	0.061	-0.050	0	0	0	0	0	0	NM_145523	grancalcin (Gca), mRNA.	Mme-M200012162	ILMN_2733482	0	0
26912	Gcat	0.154	-0.136	-0.060	0	0	0	0	0	0	NM_013847	glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase) (Gcat), nuclear gene encoding mitocho	Mme-M200003649	ILMN_2777696	0	0
74375	Gcc1	-0.020	-0.041	-0.042	0	0	0	0	0	0	NM_028900	golgi coiled coil 1 (Gcc1), mRNA.	Mme-M300006832	ILMN_1216797	0	0
70297	Gcc2	0.111	-0.319	0.467	0	0	1	0	0	1	NM_027375	GRIP and coiled-coil domain containing 2 (Gcc2), mRNA.	Mme-M200005134	ILMN_1212649	1	0
270076	Gcdh	0.225	0.016	-0.063	0	0	0	0	0	0	NM_001044744	glutaryl-Coenzyme A dehydrogenase (Gcdh), nuclear gene encoding mitochondrial protein, transcript variant 2,	Mme-M200000935	ILMN_3136542	0	0
330361	Gcfc2	0.105	-0.080	-0.079	0	0	0	0	0	0	NM_177884	expressed sequence AW146020 (AW146020), mRNA.	Mme-M300009708	ILMN_2454139	0	0
14526	Gcg	-0.142	0.177	-0.175	0	0	0	0	0	0	NM_008100	glucagon (Gcg), mRNA.	Mme-M300000068	ILMN_1247347	0	0
14527	Gcgr	-0.216	-0.075	0.006	0	0	0	0	0	0	NM_008101	glucagon receptor (Gcgr), mRNA.	Mme-M200004353	ILMN_2874278	0	0
14528	Gch1	0.078	-0.213	0.111	0	0	0	0	0	0	NM_008102	GTP cyclohydrolase 1 (Gch1), mRNA.	Mme-M400002025	ILMN_2753029	0	0
320415	Gchfr	-0.009	-0.122	-0.083	0	0	0	0	0	0	NM_177157	GTP cyclohydrolase I feedback regulator (Gchfr), mRNA.	Mme-M300017690	ILMN_2655126	0	0
103988	Gck	0.358	0.105	-0.249	0	0	0	0	0	0	NM_010292	glucokinase (Gck), mRNA.	Mme-M200000510	ILMN_2698004	0	0
231103	Gckr	-0.013	-0.011	-0.027	0	0	0	0	0	0	NM_144909	glucokinase regulatory protein (Gckr), mRNA.	Mme-M200008361	ILMN_2710811	0	0
14629	Gclc	0.400	-0.098	0.053	0	0	0	0	0	0	NM_010295	glutamate-cysteine ligase, catalytic subunit (Gclc), mRNA.	Mme-M200001709	ILMN_2608016	0	0
14630	Gclm	0.180	-0.055	-0.067	0	0	0	0	0	0	NM_008129	glutamate-cysteine ligase , modifier subunit (Gclm), mRNA.	Mme-M200006436	ILMN_1256354	0	0
14531	Gcm1	-0.033	0.029	-0.088	0	0	0	0	0	0	NM_008103	glial cells missing homolog 1 (Drosophila) (Gcm1), mRNA.	Mme-M200000563	ILMN_2591993	0	0
107889	Gcm2	-0.316	0.105	-0.074	0	0	0	0	0	0	NM_008104	glial cells missing homolog 2 (Drosophila) (Gcm2), mRNA.	Mme-M400000463	ILMN_1224507	0	0
231659	Gcn1l1	0.016	0.172	0.130	0	0	0	0	0	0	NM_172719	GCN1 general control of amino-acid synthesis 1-like 1 (yeast) (Gcn1l1), mRNA.	Mme-M300013276	ILMN_1250969	0	0
14537	Gcnt1	-0.001	0.134	0.123	0	0	0	0	0	0	NM_010265	glucosaminyl (N-acetyl) transferase 1, core 2 (Gcnt1), mRNA.	Mme-M400011017	ILMN_1256299	0	0
14538	Gcnt2	-0.252	-0.132	-0.054	0	0	0	0	0	0	NM_008105	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (Gcnt2), transcript variant 1, mRNA.	Mme-M300002720	ILMN_2726579	0	0
72077	Gcnt3	-0.067	-0.018	0.067	0	0	0	0	0	0	NM_028087	glucosaminyl (N-acetyl) transferase 3, mucin type (Gcnt3), mRNA.	Mme-M400013289	ILMN_2445378	0	0
654821	Gcnt7	-0.219	0.006	-0.040	0	0	0	0	0	0	NM_001039560	glucosaminyl (N-acetyl) transferase family member 7 (Gcnt7), mRNA.	Mme-M400002144	ILMN_3161657	0	0
14525	Gcsam	-0.329	0.081	0.007	0	0	0	0	0	0	NM_008099	germinal center expressed transcript 2 (Gcet2), mRNA.	Mme-M200001961	ILMN_2979702	0	0
68133	Gcsh	-0.241	-0.031	-0.085	0	0	0	0	0	0	NM_026572	glycine cleavage system protein H (aminomethyl carrier) (Gcsh), mRNA.	Mme-M300009343	ILMN_2696216	0	0
14544	Gda	0.145	0.112	-0.075	0	0	0	0	0	0	NM_010266	guanine deaminase (Gda), mRNA.	Mme-M200014161	ILMN_2746947	0	0
14545	Gdap1	-0.056	-0.220	0.071	0	0	0	0	0	0	NM_010267	ganglioside-induced differentiation-associated-protein 1 (Gdap1), mRNA.	Mme-M300004761	ILMN_2900962	0	0
228858	Gdap1l1	0.045	-0.045	-0.213	0	0	0	0	0	0	NM_144891	ganglioside-induced differentiation-associated protein 1-like 1 (Gdap1l1), mRNA.	Mme-M200008467	ILMN_2989312	0	0
14547	Gdap2	0.205	0.028	-0.001	0	0	0	0	0	0	NM_010269	ganglioside-induced differentiation-associated-protein 2 (Gdap2), mRNA.	Mme-M200004284	ILMN_2610414	0	0
56209	Gde1	0.303	-0.076	-0.032	0	0	0	0	0	0	NM_019580	glycerophosphodiester phosphodiesterase 1 (Gde1), mRNA.	Mme-M200006853	ILMN_2676481	0	0
14559	Gdf1	-0.105	-0.046	-0.119	0	0	0	0	0	0	NM_008107	growth differentiation factor 1 (Gdf1), mRNA.	Mme-M200002609	ILMN_1236725	0	0
14560	Gdf10	0.664	0.054	-0.012	1	0	0	0	0	0	NM_145741	growth differentiation factor 10 (Gdf10), mRNA.	Mme-M200008270	ILMN_1249941	0	0
14561	Gdf11	-0.122	0.018	0.015	0	0	0	0	0	0	NM_010272	growth differentiation factor 11 (Gdf11), mRNA.	Mme-M400000824	ILMN_1223036	0	0
23886	Gdf15	-0.200	-0.021	-0.123	0	0	0	0	0	0	NM_011819	growth differentiation factor 15 (Gdf15), mRNA.	Mme-M200007081	ILMN_2735350	0	0
12165	Gdf2	-0.059	-0.041	-0.067	0	0	0	0	0	0	NM_019506	growth differentiation factor 2 (Gdf2), mRNA.	Mme-M400003524	ILMN_2775678	0	0
14562	Gdf3	-0.137	0.135	0.076	0	0	0	0	0	0	NM_008108	growth differentiation factor 3 (Gdf3), mRNA.	Mme-M400010797	ILMN_2731407	0	0
14563	Gdf5	-0.140	-0.052	-0.055	0	0	0	0	0	0	NM_008109	growth differentiation factor 5 (Gdf5), mRNA.	Mme-M300011449	ILMN_1256083	0	0
242316	Gdf6	-0.327	0.021	0.053	0	0	0	0	0	0	NM_013526	growth differentiation factor 6 (Gdf6), mRNA.	Mme-M300021923	ILMN_2663449	0	0
238057	Gdf7	-0.078	-0.019	-0.067	0	0	0	0	0	0	NM_013527	growth differentiation factor 7 (Gdf7), mRNA.	Mme-M300011056	ILMN_2737232	0	0
14566	Gdf9	0.372	-0.011	0.034	0	0	0	0	0	0	NM_008110	growth differentiation factor 9 (Gdf9), mRNA.	Mme-M200002818	ILMN_1225090	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14567	Gdi1	0.131	0.348	-0.115	0	0	0	0	0	0	NM_010273	guanosine diphosphate (GDP) dissociation inhibitor 1 (Gdi1), mRNA.	Mme-M200013074	ILMN_2599532	0	0
14569	Gdi2	0.201	0.184	-0.059	0	0	0	0	0	0	NM_008112	guanosine diphosphate (GDP) dissociation inhibitor 2 (Gdi2), mRNA.	Mme-M300002629	ILMN_2650812	0	0
14573	Gdnf	-0.142	0.111	-0.119	0	0	0	0	0	0	NM_010275	glial cell line derived neurotrophic factor (Gdnf), mRNA.	Mme-M200001885	ILMN_2659994	0	0
66569	Gdpd1	-0.319	-0.180	-0.015	0	0	0	0	0	0	NM_025638	glycerophosphodiester phosphodiesterase domain containing 1 (Gdpd1), mRNA.	Mme-M200002594	ILMN_2683528	0	0
71584	Gdpd2	-0.311	-0.064	0.086	0	0	0	0	0	0	NM_023608	glycerophosphodiester phosphodiesterase domain containing 2 (Gdpd2), mRNA.	Mme-M200014085	ILMN_2865726	0	0
68616	Gdpd3	-0.025	-0.270	-0.102	0	0	0	0	0	0	NM_024228	glycerophosphodiester phosphodiesterase domain containing 3 (Gdpd3), mRNA.	Mme-M200005744	ILMN_2893879	0	0
233537	Gdpd4	0.001	0.036	-0.115	0	0	0	0	0	0	NM_177696	glycerophosphodiester phosphodiesterase domain containing 4 (Gdpd4), mRNA.	Mme-M300009999	ILMN_2721310	0	0
233552	Gdpd5	-0.106	-0.192	-0.030	0	0	0	0	0	0	NM_201352	glycerophosphodiester phosphodiesterase domain containing 5 (Gdpd5), mRNA.	Mme-M300009853	ILMN_1254943	0	0
269952	Gdpgp1	0.132	-0.023	-0.055	0	0	0	0	0	0	NM_178752	RIKEN cDNA D330012F22 gene (D330012F22Rik), mRNA.	Mme-M300021624	ILMN_1230998	0	0
14579	Gem	0.049	0.030	0.047	0	0	0	0	0	0	NM_010276	GTP binding protein (gene overexpressed in skeletal muscle) (Gem), mRNA.	Mme-M200001705	ILMN_2667181	0	0
276919	Gemin4	0.034	-0.152	0.047	0	0	0	0	0	0	NM_177367	gem (nuclear organelle) associated protein 4 (Gemin4), mRNA.	Mme-M300020137	ILMN_2682362	0	0
216766	Gemin5	0.172	0.036	-0.083	0	0	0	0	0	0	NM_172558	gem (nuclear organelle) associated protein 5 (Gemin5), mRNA.	Mme-M300010845	ILMN_2639543	0	0
67242	Gemin6	0.084	0.047	0.030	0	0	0	0	0	0	NM_026053	gem (nuclear organelle) associated protein 6 (Gemin6), mRNA.	Mme-M300001237	ILMN_2641340	0	0
69731	Gemin7	0.253	-0.084	-0.037	0	0	0	0	0	0	NM_027189	gem (nuclear organelle) associated protein 7 (Gemin7), mRNA.	Mme-M400002935	ILMN_2933618	0	0
237221	Gemin8	0.071	-0.017	-0.039	0	0	0	0	0	0	NM_146238	gem (nuclear organelle) associated protein 8 (Gemin8), mRNA.	Mme-M400002415	ILMN_2705863	0	0
67604	Get4	-0.157	-0.108	-0.176	0	0	0	0	0	0	NM_026269	RIKEN cDNA 1110007L15 gene (1110007L15Rik), mRNA.	Mme-M200014542	ILMN_2745954	0	0
14580	Gfap	-0.339	0.152	0.311	0	0	1	0	0	0	NM_010277	glial fibrillary acidic protein (Gfap), mRNA.	Mme-M300002474	ILMN_1215847	0	0
11692	Gfer	-0.360	-0.224	-0.068	0	0	0	0	0	0	NM_023040	growth factor, erv1 (S. cerevisiae)-like (augmenter of liver regeneration) (Gfer), mRNA.	Mme-M300012925	ILMN_1219169	0	0
14582	Gfi1b	0.172	0.067	0.091	0	0	0	0	0	0	NM_008114	growth factor independent 1B (Gfi1b), mRNA.	Mme-M400000962	ILMN_2895557	0	0
28030	Gfm1	0.261	0.055	-0.050	0	0	0	0	0	0	NM_138591	G elongation factor, mitochondrial 1 (Gfm1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005772	ILMN_1248254	0	0
320806	Gfm2	0.227	-0.146	0.026	0	0	0	0	0	0	NM_177266	G elongation factor, mitochondrial 2 (Gfm2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002878	ILMN_2734855	0	0
328232	Gfod1	-0.054	-0.096	-0.177	0	0	0	0	0	0	NM_001033399	glucose-fructose oxidoreductase domain containing 1 (Gfod1), mRNA.	Mme-M400003808	ILMN_2859032	0	0
70575	Gfod2	-0.055	-0.015	-0.008	0	0	0	0	0	0	NM_027469	glucose-fructose oxidoreductase domain containing 2 (Gfod2), mRNA.	Mme-M200008333	ILMN_1236845	0	0
14583	Gfpt1	0.036	-0.130	-0.104	0	0	0	0	0	0	NM_013528	glutamine fructose-6-phosphate transaminase 1 (Gfpt1), mRNA.	Mme-M200003782	ILMN_2437470	0	0
14584	Gfpt2	0.143	0.075	-0.098	0	0	0	0	0	0	NM_013529	glutamine fructose-6-phosphate transaminase 2 (Gfpt2), mRNA.	Mme-M300002148	ILMN_1214822	0	0
14585	Gfra1	-0.075	-0.065	0.047	0	0	0	0	0	0	NM_010279	glial cell line derived neurotrophic factor family receptor alpha 1 (Gfra1), mRNA.	Mme-M300004479	ILMN_2893409	0	0
14586	Gfra2	-0.060	-0.034	-0.107	0	0	0	0	0	0	NM_008115	glial cell line derived neurotrophic factor family receptor alpha 2 (Gfra2), mRNA.	Mme-M200013774	ILMN_2752130	0	0
14587	Gfra3	-0.003	0.171	-0.157	0	0	0	0	0	0	NM_010280	glial cell line derived neurotrophic factor family receptor alpha 3 (Gfra3), mRNA.	Mme-M200003440	ILMN_1213311	0	0
404194	Gfral	-0.204	0.049	-0.026	0	0	0	0	0	0	NM_205844	GDNF family receptor alpha like (Gfral), mRNA.	Mme-M400006781	ILMN_2644000	0	0
106039	Gga1	0.016	0.128	0.104	0	0	0	0	0	0	NM_145929	golgi associated, gamma adaptin ear containing, ARF binding protein 1 (Gga1), mRNA.	Mme-M300008602	ILMN_2894943	0	0
74105	Gga2	0.367	0.204	-0.124	0	0	0	0	0	0	NM_028758	golgi associated, gamma adaptin ear containing, ARF binding protein 2 (Gga2), mRNA.	Mme-M200006566	ILMN_1227459	0	0
260302	Gga3	0.054	0.229	0.132	0	0	0	0	0	0	NM_173048	golgi associated, gamma adaptin ear containing, ARF binding protein 3 (Gga3), mRNA.	Mme-M300002372	ILMN_2695718	0	0
223267	Ggact	-0.140	-0.120	0.073	0	0	0	0	0	0	NM_145466	cDNA sequence BC006662 (BC006662), mRNA.	Mme-M200005082	ILMN_2769844	0	0
56316	Ggcx	0.146	-0.115	0.160	0	0	0	0	0	0	NM_019802	gamma-glutamyl carboxylase (Ggcx), mRNA.	Mme-M400004473	ILMN_1232184	0	0
14590	Ggh	0.345	-0.009	0.141	0	0	0	0	0	0	NM_010281	gamma-glutamyl hydrolase (Ggh), mRNA.	Mme-M200003915	ILMN_2673959	0	0
243897	Ggn	-0.369	-0.041	-0.075	0	0	0	0	0	0	NM_182696	gametogenetin (Ggn), transcript variant 3, mRNA.	Mme-M300015225	ILMN_1237951	0	0
217039	Ggnbp2	0.158	-0.083	0.114	0	0	0	0	0	0	NM_153144	gametogenetin binding protein 2 (Ggnbp2), mRNA.	Mme-M200008118	ILMN_1227938	0	0
14593	Ggps1	0.060	0.113	0.047	0	0	0	0	0	0	NM_010282	geranylgeranyl diphosphate synthase 1 (Ggps1), mRNA.	Mme-M300002685	ILMN_1237585	0	0
14598	Ggt1	-0.041	-0.146	0.130	0	0	0	0	0	0	NM_008116	gamma-glutamyltransferase 1 (Ggt1), mRNA.	Mme-M200001810	ILMN_2770085	0	0
23887	Ggt5	0.061	0.090	-0.095	0	0	0	0	0	0	NM_011820	gamma-glutamyltransferase 5 (Ggt5), mRNA.	Mme-M400000129	ILMN_2761739	0	0
71522	Ggt6	0.044	-0.078	-0.069	0	0	0	0	0	0	NM_027819	gamma-glutamyltransferase 6 (Ggt6), mRNA.	Mme-M200004610	ILMN_2803258	0	0
207182	Ggt7	-0.144	0.301	-0.066	0	0	0	0	0	0	NM_144786	gamma-glutamyltransferase 7 (Ggt7), mRNA.	Mme-M200013733	ILMN_1213289	0	0
14594	Ggta1	-0.243	0.017	-0.021	0	0	0	0	0	0	NM_010283	glycoprotein galactosyltransferase alpha 1, 3 (Ggta1), mRNA.	Mme-M400001850	ILMN_2784019	0	0
14599	Gh	2.702	-2.030	1.393	1	-1	1	1	-1	1	NM_008117	growth hormone (Gh), mRNA.	Mme-M200000457	ILMN_2725322	2	1
80860	Ghdc	0.051	-0.135	-0.063	0	0	0	0	0	0	NM_031871	GH3 domain containing (Ghdc), mRNA.	Mme-M200007925	ILMN_2862465	0	0
66092	Ghitm	0.204	-0.205	0.133	0	0	0	0	0	0	NM_078478	growth hormone inducible transmembrane protein (Ghitm), mRNA.	Mme-M200012110	ILMN_1231264	0	0
14600	Ghr	0.075	-0.102	0.016	0	0	0	0	0	0	NM_001048147	growth hormone receptor (Ghr), transcript variant 3, mRNA.	Mme-M300003129	ILMN_3138922	0	0
14601	Ghrh	-0.041	0.108	-0.107	0	0	0	0	0	0	NM_010285	growth hormone releasing hormone (Ghrh), mRNA.	Mme-M200009511	ILMN_1253853	0	0
14602	Ghrhr	0.118	-0.059	-0.346	0	0	-1	0	0	0	NM_001003685	growth hormone releasing hormone receptor (Ghrhr), mRNA.	Mme-M200016033	ILMN_2596001	0	0
58991	Ghrl	-0.320	-0.093	0.199	0	0	0	0	0	0	NM_021488	ghrelin (Ghrl), mRNA.	Mme-M400008583	ILMN_2598022	0	0
208188	Ghsr	-0.242	-0.054	-0.044	0	0	0	0	0	0	NM_177330	growth hormone secretagogue receptor (Ghsr), mRNA.	Mme-M300021798	ILMN_2589048	0	0
66771	Gid4	-0.168	-0.292	0.062	0	0	0	0	0	0	NM_025757	RIKEN cDNA 4933439F18 gene (4933439F18Rik), mRNA.	Mme-M400008769	ILMN_2690371	0	0
76425	Gid8	-0.163	0.091	-0.101	0	0	0	0	0	0	NM_029607	RIKEN cDNA 2310003C23 gene (2310003C23Rik), mRNA.	Mme-M200013609	ILMN_1244393	0	0
14603	Gif	0.055	0.000	0.099	0	0	0	0	0	0	NM_008118	gastric intrinsic factor (Gif), mRNA.	Mme-M200000169	ILMN_2631363	0	0
57330	Gigyf1	0.085	-0.179	0.148	0	0	0	0	0	0	NM_031408	GRB10 interacting GYF protein 2 (Gigyf1), mRNA.	Mme-M200012177	ILMN_2433964	0	0
227331	Gigyf2	0.055	0.081	0.133	0	0	0	0	0	0	NM_001110212	GRB10 interacting GYF protein 2 (Gigyf2), transcript variant 2, mRNA.	Mme-M300018826	ILMN_2587614	0	0
16205	Gimap1	-0.093	0.212	0.233	0	0	0	0	0	0	NM_175860	GTPase, IMAP family member 1 (Gimap1), transcript variant 2, mRNA.	Mme-M300015854	ILMN_3141165	0	0
83408	Gimap3	-0.104	0.418	0.494	0	0	1	0	0	1	NM_031247	GTPase, IMAP family member 3 (Gimap3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300012076	ILMN_1254241	1	0
107526	Gimap4	-0.106	0.123	0.033	0	0	0	0	0	0	NM_175048	GTPase, IMAP family member 4 (Gimap4), transcript variant 2, mRNA.	Mme-M400004812	ILMN_1225854	0	0
317757	Gimap5	0.341	0.240	0.136	0	0	0	0	0	0	NM_175035	GTPase, IMAP family member 5 (Gimap5), mRNA.	Mme-M300014570	ILMN_2643096	0	0
231931	Gimap6	0.170	0.331	0.090	0	0	0	0	0	0	NM_153175	GTPase, IMAP family member 6 (Gimap6), mRNA.	Mme-M300018690	ILMN_1224859	0	0
231932	Gimap7	-0.059	0.589	0.205	0	1	0	0	1	0	NM_146167	GTPase, IMAP family member 7 (Gimap7), mRNA.	Mme-M300014985	ILMN_2595918	1	0
243374	Gimap8	-0.182	0.582	0.271	0	1	0	0	1	0	NM_212486	GTPase, IMAP family member 8 (Gimap8), transcript variant 1, mRNA.	Mme-M400008620	ILMN_3088269	1	0
317758	Gimap9	0.207	0.179	0.252	0	0	0	0	0	0	NM_174960	GTPase, IMAP family member 9 (Gimap9), mRNA.	Mme-M400003781	ILMN_1236553	0	0
252876	Gin1	0.212	0.027	-0.034	0	0	0	0	0	0	NM_026250	zinc finger, H2C2 domain containing (Zh2c2), mRNA.	Mme-M200015706	ILMN_2707273	0	0
215751	Ginm1	0.235	-0.162	0.076	0	0	0	0	0	0	NM_145418	cDNA sequence BC013529 (BC013529), mRNA.	Mme-M300003769	ILMN_2637630	0	0
69270	Gins1	-0.053	0.055	-0.028	0	0	0	0	0	0	XM_130416	PREDICTED: GINS complex subunit 1 (Psf1 homolog), transcript variant 1 (Gins1), mRNA.	Mme-M200015701	ILMN_2661950	0	0
272551	Gins2	0.225	0.115	0.069	0	0	0	0	0	0	NM_178856	GINS complex subunit 2 (Psf2 homolog) (Gins2), mRNA.	Mme-M400001406	ILMN_1245109	0	0
78833	Gins3	-0.084	-0.030	0.107	0	0	0	0	0	0	NM_030198	GINS complex subunit 3 (Psf3 homolog) (Gins3), mRNA.	Mme-M200007764	ILMN_2589960	0	0
109145	Gins4	0.052	0.029	-0.131	0	0	0	0	0	0	NM_024240	GINS complex subunit 4 (Sld5 homolog) (Gins4), mRNA.	Mme-M200005765	ILMN_2694074	0	0
14607	Gip	-0.299	-0.041	-0.020	0	0	0	0	0	0	NM_008119	gastric inhibitory polypeptide (Gip), mRNA.	Mme-M200002159	ILMN_2986549	0	0
67903	Gipc1	0.012	0.068	-0.244	0	0	0	0	0	0	NM_018771	GIPC PDZ domain containing family, member 1 (Gipc1), mRNA.	Mme-M200004021	ILMN_2942573	0	0
54120	Gipc2	-0.077	0.009	0.082	0	0	0	0	0	0	NM_016867	GIPC PDZ domain containing family, member 2 (Gipc2), mRNA.	Mme-M200000028	ILMN_2798138	0	0
209047	Gipc3	-0.245	-0.058	-0.124	0	0	0	0	0	0	NM_148951	GIPC PDZ domain containing family, member 3 (Gipc3), mRNA.	Mme-M300009591	ILMN_3001202	0	0
381853	Gipr	-0.363	-0.032	-0.063	0	0	0	0	0	0	NM_001080815	gastric inhibitory polypeptide receptor (Gipr), mRNA.	Mme-M400001263	ILMN_1248457	0	0
216963	Git1	0.071	0.279	-0.053	0	0	0	0	0	0	NM_001004144	G protein-coupled receptor kinase-interactor 1 (Git1), mRNA.	Mme-M300001159	ILMN_2940541	0	0
26431	Git2	0.094	-0.067	-0.155	0	0	0	0	0	0	NM_001077360	G protein-coupled receptor kinase-interactor 2 (Git2), transcript variant 3, mRNA.	Mme-M200009716	ILMN_1251129	0	0
14609	Gja1	0.320	-0.105	0.029	0	0	0	0	0	0	NM_010288	gap junction protein, alpha 1 (Gja1), mRNA.	Mme-M200001781	ILMN_1244291	0	0
14610	Gja10	0.123	0.060	0.100	0	0	0	0	0	0	NM_010289	gap junction protein, alpha 10 (Gja10), mRNA.	Mme-M200014611	ILMN_2717340	0	0
14611	Gja3	-0.327	0.046	-0.002	0	0	0	0	0	0	NM_016975	gap junction protein, alpha 3 (Gja3), mRNA.	Mme-M400003444	ILMN_2632678	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14612	Gja4	0.196	0.234	0.101	0	0	0	0	0	0	NM_008120	gap junction protein, alpha 4 (Gja4), mRNA.	Mme-M200004948	ILMN_2737704	0	0
14613	Gja5	0.058	0.127	-0.046	0	0	0	0	0	0	NM_008121	gap junction membrane channel protein alpha 5 (Gja5), mRNA.	Mme-M200012174	ILMN_2678477	0	0
414089	Gja6	-0.123	-0.002	-0.017	0	0	0	0	0	0	NM_001001496	gap junction protein, alpha 6 (Gja6), mRNA.	Mme-M400005262	ILMN_2946541	0	0
14616	Gja8	-0.256	-0.045	-0.090	0	0	0	0	0	0	NM_008123	gap junction protein, alpha 8 (Gja8), mRNA.	Mme-M200014853	ILMN_2625168	0	0
14618	Gjb1	0.006	-0.125	0.006	0	0	0	0	0	0	NM_008124	gap junction protein, beta 1 (Gjb1), mRNA.	Mme-M200004080	ILMN_2948476	0	0
14619	Gjb2	-0.084	-0.649	0.273	0	-1	0	0	-1	0	NM_008125	gap junction protein, beta 2 (Gjb2), mRNA.	Mme-M200007491	ILMN_2999627	0	1
14620	Gjb3	-0.208	-0.154	0.054	0	0	0	0	0	0	NM_008126	gap junction protein, beta 3 (Gjb3), mRNA.	Mme-M200016070	ILMN_2879102	0	0
14621	Gjb4	0.196	0.066	0.068	0	0	0	0	0	0	NM_008127	gap junction protein, beta 4 (Gjb4), mRNA.	Mme-M200014852	ILMN_2600190	0	0
14622	Gjb5	0.149	-0.077	0.015	0	0	0	0	0	0	NM_010291	gap junction protein, beta 5 (Gjb5), mRNA.	Mme-M200005359	ILMN_2766772	0	0
14623	Gjb6	-0.021	-0.297	0.293	0	0	0	0	0	0	NM_008128	gap junction protein, beta 6 (Gjb6), transcript variant 1, mRNA.	Mme-M200005167	ILMN_1250356	0	0
14615	Gjc1	-0.354	-0.094	0.036	0	0	0	0	0	0	NM_008122	gap junction protein, gamma 1 (Gjc1), mRNA.	Mme-M200001187	ILMN_2752275	0	0
118454	Gjc2	-0.131	-0.214	-0.111	0	0	0	0	0	0	NM_080454	gap junction protein, gamma 2 (Gjc2), transcript variant 1, mRNA.	Mme-M200008241	ILMN_2597606	0	0
118446	Gjc3	-0.259	-0.008	0.020	0	0	0	0	0	0	NM_080450	gap junction membrane channel protein epsilon 1 (Gje1), mRNA.	Mme-M200008484	ILMN_2685506	0	0
14617	Gjd2	0.130	0.268	-0.056	0	0	0	0	0	0	NM_010290	gap junction protein, delta 2 (Gjd2), mRNA.	Mme-M400011021	ILMN_2738638	0	0
353155	Gjd3	-0.264	-0.018	0.007	0	0	0	0	0	0	NM_178596	gap junction protein, delta 3 (Gjd3), mRNA.	Mme-M300018054	ILMN_2750021	0	0
225152	Gjd4	-0.289	0.040	0.179	0	0	0	0	0	0	NM_153086	gap junction protein, delta 4 (Gjd4), mRNA.	Mme-M200008916	ILMN_1243047	0	0
76743	Gje1	-0.041	0.038	-0.061	0	0	0	0	0	0	XM_354583	PREDICTED: RIKEN cDNA D230044M03 gene (D230044M03Rik), mRNA.	Mme-M200009199	ILMN_1227984	0	0
14626	Gk2	0.063	-0.023	0.003	0	0	0	0	0	0	NM_010294	glycerol kinase 2 (Gk2), mRNA.	Mme-M200015079	ILMN_1259416	0	0
235533	Gk5	0.022	-0.227	0.044	0	0	0	0	0	0	NM_177352	glycerol kinase 5 (putative) (Gk5), mRNA.	Mme-M300013175	ILMN_2678904	0	0
56278	Gkap1	-0.165	-0.317	0.508	0	0	1	0	0	1	NM_019832	G kinase anchoring protein 1 (Gkap1), mRNA.	Mme-M400005063	ILMN_2682279	1	0
66283	Gkn1	-0.503	-0.121	0.014	0	0	0	0	0	0	NM_025466	gastrokine 1 (Gkn1), mRNA.	Mme-M200014503	ILMN_2600499	0	0
66284	Gkn2	-0.138	-0.041	-0.004	0	0	0	0	0	0	NM_025467	gastrokine 2 (Gkn2), mRNA.	Mme-M200014517	ILMN_2593257	0	0
68888	Gkn3	0.058	-0.252	0.076	0	0	0	0	0	0	NM_026860	RIKEN cDNA 1190003M12 gene (1190003M12Rik), mRNA.	Mme-M300006980	ILMN_2856588	0	0
11605	Gla	-0.092	0.009	-0.021	0	0	0	0	0	0	NM_013463	galactosidase, alpha (Gla), mRNA.	Mme-M200000401	ILMN_2626086	0	0
12091	Glb1	0.095	-0.025	-0.031	0	0	0	0	0	0	NM_009752	galactosidase, beta 1 (Glb1), mRNA.	Mme-M400002610	ILMN_1221935	0	0
244757	Glb1l2	0.103	-0.184	0.033	0	0	0	0	0	0	NM_153803	galactosidase, beta 1-like 2 (Glb1l2), mRNA.	Mme-M300010365	ILMN_2755372	0	0
70893	Glb1l3	-0.181	-0.026	-0.028	0	0	0	0	0	0	NM_001113323	galactosidase, beta 1 like 3 (Glb1l3), mRNA.	Mme-M200015470	ILMN_2752181	0	0
170772	Glcci1	0.047	-0.262	-0.120	0	0	0	0	0	0	NM_133236	glucocorticoid induced transcript 1 (Glcci1), transcript variant 1, mRNA.	Mme-M200005503	ILMN_2623855	0	0
93683	Glce	-0.182	-0.224	-0.103	0	0	0	0	0	0	NM_033320	glucuronyl C5-epimerase (Glce), mRNA.	Mme-M200009949	ILMN_2433946	0	0
104174	Gldc	-0.096	0.187	-0.228	0	0	0	0	0	0	NM_138595	glycine decarboxylase (Gldc), mRNA.	Mme-M200005769	ILMN_2873750	0	0
235379	Gldn	-0.083	0.054	0.029	0	0	0	0	0	0	NM_177350	gliomedin (Gldn), mRNA.	Mme-M300017090	ILMN_2599692	0	0
20340	Glg1	0.176	-0.236	-0.044	0	0	0	0	0	0	NM_009149	golgi apparatus protein 1 (Glg1), mRNA.	Mme-M200000179	ILMN_1253692	0	0
14632	Gli1	-0.057	0.038	-0.059	0	0	0	0	0	0	NM_010296	GLI-Kruppel family member GLI1 (Gli1), mRNA.	Mme-M300004622	ILMN_2774992	0	0
14633	Gli2	-0.521	-0.023	-0.116	0	0	0	0	0	0	NM_001081125	GLI-Kruppel family member GLI2 (Gli2), mRNA.	Mme-M300003667	ILMN_2522863	0	0
14634	Gli3	-0.085	-0.189	-0.121	0	0	0	0	0	0	NM_008130	GLI-Kruppel family member GLI3 (Gli3), mRNA.	Mme-M300002699	ILMN_1215183	0	0
73690	Glipr1	0.153	0.187	0.217	0	0	0	0	0	0	NM_028608	GLI pathogenesis-related 1 (glioma) (Glipr1), mRNA.	Mme-M200011761	ILMN_1215807	0	0
69286	Glipr1l1	-0.002	0.084	0.116	0	0	0	0	0	0	XM_916000	PREDICTED: GLI pathogenesis-related 1 like 1 (Glipr1l1), mRNA.	Mme-M400000368	ILMN_2431379	0	0
67537	Glipr1l2	-0.440	0.053	-0.029	0	0	0	0	0	0	NM_026223	GLI pathogenesis-related 1 like 2 (Glipr1l2), mRNA.	Mme-M200015469	ILMN_2654176	0	0
384009	Glipr2	0.075	0.220	0.214	0	0	0	0	0	0	NM_027450	GLI pathogenesis-related 2 (Glipr2), mRNA.	Mme-M300006113	ILMN_3130350	0	0
230587	Glis1	0.050	-0.044	-0.049	0	0	0	0	0	0	NM_147221	GLIS family zinc finger 1 (Glis1), mRNA.	Mme-M300009529	ILMN_1219823	0	0
83396	Glis2	0.223	0.172	0.066	0	0	0	0	0	0	NM_031184	GLIS family zinc finger 2 (Glis2), mRNA.	Mme-M200005827	ILMN_1226316	0	0
226075	Glis3	0.134	-0.105	-0.058	0	0	0	0	0	0	NM_175459	GLIS family zinc finger 3 (Glis3), mRNA.	Mme-M300018486	ILMN_2524917	0	0
170823	Glmn	0.103	0.080	-0.124	0	0	0	0	0	0	NM_133248	glomulin, FKBP associated protein (Glmn), mRNA.	Mme-M200013586	ILMN_1220705	0	0
56700	Glmp	0.026	-0.068	-0.158	0	0	0	0	0	0	NM_020003	RIKEN cDNA 0610031J06 gene (0610031J06Rik), mRNA.	Mme-M200004266	ILMN_2628021	0	0
67201	Glod4	0.309	0.064	0.067	0	0	0	0	0	0	NM_026029	glyoxalase domain containing 4 (Glod4), mRNA.	Mme-M200016297	ILMN_1243609	0	0
69824	Glod5	-0.149	0.058	0.003	0	0	0	0	0	0	NM_027227	glyoxalase domain containing 5 (Glod5), mRNA.	Mme-M200014521	ILMN_2740873	0	0
14652	Glp1r	-0.067	0.088	-0.050	0	0	0	0	0	0	NM_021332	glucagon-like peptide 1 receptor (Glp1r), mRNA.	Mme-M200009315	ILMN_2608776	0	0
93896	Glp2r	-0.195	-0.065	0.068	0	0	0	0	0	0	NM_175681	glucagon-like peptide 2 receptor (Glp2r), mRNA.	Mme-M400008774	ILMN_2657392	0	0
14654	Glra1	0.155	0.140	0.079	0	0	0	0	0	0	NM_020492	glycine receptor, alpha 1 subunit (Glra1), mRNA.	Mme-M300000049	ILMN_2657254	0	0
237213	Glra2	-0.090	0.299	-0.092	0	0	0	0	0	0	NM_183427	glycine receptor, alpha 2 subunit (Glra2), mRNA.	Mme-M300001696	ILMN_2729364	0	0
110304	Glra3	-0.353	0.143	-0.071	0	0	0	0	0	0	NM_080438	glycine receptor, alpha 3 subunit (Glra3), mRNA.	Mme-M400002113	ILMN_2776103	0	0
14657	Glra4	0.010	0.126	0.016	0	0	0	0	0	0	NM_010297	glycine receptor, alpha 4 subunit (Glra4), mRNA.	Mme-M400000299	ILMN_2585974	0	0
14658	Glrb	-0.019	0.077	-0.144	0	0	0	0	0	0	NM_010298	glycine receptor, beta subunit (Glrb), mRNA.	Mme-M200006475	ILMN_1232399	0	0
14659	Glrp1	-0.131	-0.077	0.147	0	0	0	0	0	0	NM_008132	glutamine repeat protein 1 (Glrp1), mRNA.	Mme-M400007780	ILMN_1224898	0	0
93692	Glrx	0.283	0.188	0.123	0	0	0	0	0	0	NM_053108	glutaredoxin (Glrx), mRNA.	Mme-M200006620	ILMN_2776922	0	0
69367	Glrx2	0.195	-0.261	0.145	0	0	0	0	0	0	NM_001038594	glutaredoxin 2 (thioltransferase) (Glrx2), transcript variant 4, mRNA.	Mme-M200015607	ILMN_3096267	0	0
30926	Glrx3	0.073	-0.169	0.087	0	0	0	0	0	0	NM_023140	glutaredoxin 3 (Glrx3), mRNA.	Mme-M300007546	ILMN_2500997	0	0
73046	Glrx5	0.289	-0.224	0.054	0	0	0	0	0	0	NM_028419	glutaredoxin 5 homolog (S. cerevisiae) (Glrx5), mRNA.	Mme-M300002563	ILMN_1217767	0	0
14660	Gls	0.285	0.147	0.040	0	0	0	0	0	0	NM_001113383	glutaminase (Gls), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.	Mme-M400016441	ILMN_1222066	0	0
216456	Gls2	0.193	0.077	-0.086	0	0	0	0	0	0	NM_001033264	glutaminase 2 (liver, mitochondrial) (Gls2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400002835	ILMN_2840975	0	0
319804	Glt1d1	-0.011	-0.068	-0.060	0	0	0	0	0	0	NM_177005	glycosyltransferase 1 domain containing 1 (Glt1d1), mRNA.	Mme-M300020680	ILMN_1236780	0	0
234407	Glt25d1	0.237	-0.065	0.092	0	0	0	0	0	0	NM_146211	glycosyltransferase 25 domain containing 1 (Glt25d1), mRNA.	Mme-M400011933	ILMN_1256563	0	0
320302	Glt28d2	0.264	-0.038	0.025	0	0	0	0	0	0	NM_177130	glycosyltransferase 28 domain containing 2 (Glt28d2), mRNA.	Mme-M400001354	ILMN_2591853	0	0
71103	Glt6d1	-0.007	-0.001	-0.015	0	0	0	0	0	0	NM_001039095	glycosyltransferase 6 domain containing 1 (Glt6d1), mRNA.	Mme-M200015228	ILMN_1230629	0	0
76485	Glt8d1	-0.029	-0.122	-0.097	0	0	0	0	0	0	NM_029626	glycosyltransferase 8 domain containing 1 (Glt8d1), mRNA.	Mme-M200002742	ILMN_1259198	0	0
74782	Glt8d2	-0.165	0.150	0.071	0	0	0	0	0	0	NM_029102	glycosyltransferase 8 domain containing 2 (Glt8d2), mRNA.	Mme-M200014436	ILMN_1222429	0	0
56356	Gltp	0.007	0.107	0.088	0	0	0	0	0	0	NM_019821	glycolipid transfer protein (Gltp), mRNA.	Mme-M200004548	ILMN_2971816	0	0
79554	Gltpd1	0.119	-0.032	-0.036	0	0	0	0	0	0	NM_024472	glycolipid transfer protein domain containing 1 (Gltpd1), mRNA.	Mme-M200005143	ILMN_2939377	0	0
216871	Gltpd2	0.110	-0.058	-0.090	0	0	0	0	0	0	NM_146020	glycolipid transfer protein domain containing 2 (Gltpd2), mRNA.	Mme-M300017687	ILMN_2874836	0	0
243842	Gltscr1	0.175	0.122	0.041	0	0	0	0	0	0	NM_001081418	glioma tumor suppressor candidate region gene 1 (Gltscr1), mRNA.	Mme-M400015380	ILMN_3080923	0	0
210982	Gltscr1l	-0.005	-0.160	-0.062	0	0	0	0	0	0	XM_924235	PREDICTED: cDNA sequence BC032203, transcript variant 4 (BC032203), mRNA.	Mme-M300010444	ILMN_2763739	0	0
68077	Gltscr2	0.096	-0.081	-0.061	0	0	0	0	0	0	NM_133831	glioma tumor suppressor candidate region gene 2 (Gltscr2), mRNA.	Mme-M200013246	ILMN_2635976	0	0
14661	Glud1	0.031	-0.123	0.112	0	0	0	0	0	0	NM_008133	glutamate dehydrogenase 1 (Glud1), mRNA.	Mme-M200002945	ILMN_3149251	0	0
14645	Glul	0.173	-0.004	0.032	0	0	0	0	0	0	NM_008131	glutamate-ammonia ligase (glutamine synthetase) (Glul), mRNA.	Mme-M400000930	ILMN_2644496	0	0
107146	Glyat	-0.028	-0.054	-0.043	0	0	0	0	0	0	NM_145935	glycine-N-acyltransferase (Glyat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008234	ILMN_2697749	0	0
14663	Glycam1	0.020	-0.083	0.233	0	0	0	0	0	0	NM_008134	glycosylation dependent cell adhesion molecule 1 (Glycam1), mRNA.	Mme-M300003316	ILMN_2640849	0	0
235582	Glyctk	-0.003	-0.118	-0.206	0	0	0	0	0	0	NM_001039586	glycerate kinase (Glyctk), transcript variant 2, mRNA.	Mme-M300002096	ILMN_3102653	0	0
74022	Glyr1	0.191	-0.046	-0.093	0	0	0	0	0	0	NM_028720	RIKEN cDNA 3930401K13 gene (3930401K13Rik), transcript variant 2, mRNA.	Mme-M200004184	ILMN_3141499	0	0
218695	Gm10044	-0.188	-0.018	0.065	0	0	0	0	0	0	XM_001472917	PREDICTED: predicted gene, ENSMUSG00000058570 (ENSMUSG00000058570), mRNA.	Mme-M300009033	ILMN_2527972	0	0
382243	Gm10439	-0.021	-0.049	-0.033	0	0	0	0	0	0	NM_001037716	predicted gene, OTTMUSG00000019138 (OTTMUSG00000019138), mRNA.	Mme-M400007822	ILMN_2930971	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
382097	Gm1123	-0.143	-0.033	0.060	0	0	0	0	0	0	NM_001080776	gene model 1123, (NCBI) (Gm1123), mRNA.	Mme-M400002956	ILMN_2865047	0	0
628813	Gm11437	-0.128	-0.084	-0.068	0	0	0	0	0	0	NM_001037932	predicted gene, OTTMUSG00000000997 (OTTMUSG00000000997), mRNA.	Mme-M400003824	ILMN_3162516	0	0
433719	Gm11487	0.039	0.130	0.047	0	0	0	0	0	0	NM_001013393	predicted gene, OTTMUSG00000001246 (OTTMUSG00000001246), mRNA.	Mme-M400006745	ILMN_2836988	0	0
432589	Gm11541	-0.262	-0.031	0.034	0	0	0	0	0	0	NM_001007584	predicted gene, OTTMUSG00000002038 (OTTMUSG00000002038), mRNA.	Mme-M400005374	ILMN_2883500	0	0
670533	Gm11567	-0.147	0.012	0.061	0	0	0	0	0	0	NM_001101613	keratin associated protein 9 family member (LOC670533), mRNA.	Mme-M400005872	ILMN_2430126	0	0
622019	Gm11780	-0.318	0.009	0.154	0	0	0	0	0	0	XM_886425	PREDICTED: similar to protein-tyrosine phosphatase (LOC622019), mRNA.	Mme-M400003506	ILMN_2529354	0	0
626870	Gm11992	0.130	-0.201	-0.003	0	0	0	0	0	0	NM_001037928	predicted gene, OTTMUSG00000005148 (OTTMUSG00000005148), mRNA.	Mme-M400002463	ILMN_3160244	0	0
210535	Gm12169	-0.327	0.053	0.041	0	0	0	0	0	0	XM_109910	PREDICTED: hepatitis A virus cellular receptor 1-like (LOC210535), mRNA.	Mme-M400007046	ILMN_2534138	0	0
620913	Gm12185	-0.160	0.775	0.183	0	1	0	0	1	0	NM_001045540	predicted gene, OTTMUSG00000005523 (OTTMUSG00000005523), mRNA.	Mme-M400003474	ILMN_2847773	1	0
624860	Gm12253	0.105	0.181	0.155	0	0	0	0	0	0	NM_001045542	predicted gene, OTTMUSG00000005737 (OTTMUSG00000005737), mRNA.	Mme-M400006271	ILMN_2977076	0	0
626150	Gm12271	0.371	0.058	-0.052	0	0	0	0	0	0	XM_890719	PREDICTED: similar to H3 histone, family 3A (LOC626150), mRNA.	Mme-M400006060	ILMN_1227265	0	0
545557	Gm12474	0.037	0.084	0.030	0	0	0	0	0	0	XM_973669	PREDICTED: predicted gene, OTTMUSG00000007026 (OTTMUSG00000007026), mRNA.	Mme-M400004654	ILMN_1238787	0	0
619973	Gm12538	0.100	0.058	-0.005	0	0	0	0	0	0	XM_884359	PREDICTED: similar to LRRGT00183 (LOC619973), mRNA.	Mme-M400000267	ILMN_1226760	0	0
667250	Gm12657	0.452	0.112	0.115	0	0	0	0	0	0	NM_001081019	histone H3-like (LOC667250), mRNA.	Mme-M400006819	ILMN_2527694	0	0
329876	Gm12680	-0.081	-0.041	-0.058	0	0	0	0	0	0	XM_898400	PREDICTED: hypothetical protein A930009N24 (A930009N24), mRNA.	Mme-M400015734	ILMN_1219928	0	0
332923	Gm12794	-0.042	0.005	-0.014	0	0	0	0	0	0	NM_001085516	novel protein similar to Prame proteins (LOC332923), mRNA.	Mme-M400001971	ILMN_1254373	0	0
229588	Gm128	-0.025	0.017	0.021	0	0	0	0	0	0	NM_001024841	gene model 128, (NCBI) (Gm128), mRNA.	Mme-M400003095	ILMN_2837100	0	0
100039968	Gm12942	-0.489	0.132	0.004	0	0	0	0	0	0	NM_001099319	predicted gene, OTTMUSG00000009332 (OTTMUSG00000009332), mRNA.	Mme-M300017923	ILMN_1248357	0	0
194227	Gm13023	-0.179	0.036	0.087	0	0	0	0	0	0	NM_001007077	predicted gene, OTTMUSG00000010009 (OTTMUSG00000010009), mRNA.	Mme-M400003461	ILMN_2529616	0	0
100041077	Gm13102	-0.464	0.066	0.088	0	0	0	0	0	0	NM_001085419	predicted gene, OTTMUSG00000010432 (OTTMUSG00000010432), mRNA.	Mme-M400008138	ILMN_2720718	0	0
194225	Gm13103	0.110	0.087	-0.046	0	0	0	0	0	0	NM_177571	predicted gene, OTTMUSG00000010433 (OTTMUSG00000010433), mRNA.	Mme-M400002550	ILMN_2626526	0	0
666532	Gm13139	-0.006	0.043	-0.037	0	0	0	0	0	0	NM_001083918	predicted gene, OTTMUSG00000010657 (OTTMUSG00000010657), mRNA.	Mme-M400009318	ILMN_2882698	0	0
195531	Gm13152	-0.062	-0.055	0.073	0	0	0	0	0	0	NM_001039209	predicted gene, OTTMUSG00000010671 (OTTMUSG00000010671), mRNA.	Mme-M400007615	ILMN_2904930	0	0
435815	Gm13177	-0.348	-0.272	-0.123	0	0	0	0	0	0	NM_001081248	similar to arylacetamide deacetylase (LOC435815), mRNA.	Mme-M400002939	ILMN_3134537	0	0
546849	Gm13178	-0.296	-0.083	0.053	0	0	0	0	0	0	NM_001085536	similar to arylacetamide deacetylase (LOC546849), mRNA.	Mme-M400002536	ILMN_1232164	0	0
545683	Gm13213	0.253	-0.020	-0.110	0	0	0	0	0	0	XM_620107	PREDICTED: similar to ribosomal protein (LOC545683), mRNA.	Mme-M400006698	ILMN_1243955	0	0
100041379	Gm13242	-0.015	0.035	0.011	0	0	0	0	0	0	NM_001103158	predicted gene, OTTMUSG00000011070 (OTTMUSG00000011070), mRNA.	Mme-M400003291	ILMN_1231460	0	0
623453	Gm13669	0.244	0.069	-0.083	0	0	0	0	0	0	XR_032315	PREDICTED: similar to proteolipid protein 2 (LOC623453), misc RNA.	Mme-M300007578	ILMN_2602858	0	0
623781	Gm14137	-0.274	-0.075	-0.038	0	0	0	0	0	0	NM_001039223	predicted gene, OTTMUSG00000015762 (OTTMUSG00000015762), mRNA.	Mme-M400005348	ILMN_2932993	0	0
667373	Gm14446	-0.150	0.201	0.118	0	0	0	0	0	0	NM_001101605	predicted gene, OTTMUSG00000016644 (OTTMUSG00000016644), transcript variant 2, mRNA.	Mme-M400000168	ILMN_1229197	0	0
329436	Gm14461	-0.207	0.047	-0.044	0	0	0	0	0	0	NM_177843	predicted gene, OTTMUSG00000016703 (OTTMUSG00000016703), mRNA.	Mme-M400004839	ILMN_2593313	0	0
547160	Gm14484	-0.246	-0.071	0.098	0	0	0	0	0	0	NM_001025260	predicted gene, OTTMUSG00000016790 (OTTMUSG00000016790), mRNA.	Mme-M400012752	ILMN_3122897	0	0
232415	Gm156	-0.081	0.095	0.109	0	0	0	0	0	0	NM_001014997	gene model 156, (NCBI) (Gm156), mRNA.	Mme-M400003443	ILMN_2987890	0	0
217066	Gm15698	0.057	-0.043	0.084	0	0	0	0	0	0	NR_003564	predicted gene, OTTMUSG00000001305 (OTTMUSG00000001305) on chromosome 11.	Mme-M400007726	ILMN_1223594	0	0
269700	Gm15800	-0.270	0.003	-0.074	0	0	0	0	0	0	XM_132325	PREDICTED: expressed sequence AU042671, transcript variant 1 (AU042671), mRNA.	Mme-M300014744	ILMN_2563934	0	0
381371	Gm1631	-0.241	-0.109	-0.064	0	0	0	0	0	0	NM_201366	gene model 1631, (NCBI) (Gm1631), mRNA.	Mme-M400008621	ILMN_2769930	0	0
635580	Gm16445	-0.073	0.014	0.045	0	0	0	0	0	0	XM_001474001	PREDICTED: hypothetical LOC635580 (LOC635580), mRNA.	Mme-M400010664	ILMN_1249291	0	0
637079	Gm16486	-0.006	0.111	0.015	0	0	0	0	0	0	XM_912668	PREDICTED: RIKEN cDNA 2410018E23 gene (2410018E23Rik), mRNA.	Mme-M400001820	ILMN_1255098	0	0
381544	Gm1661	-0.163	0.098	-0.042	0	0	0	0	0	0	NM_001033774	gene model 1661, (NCBI) (Gm1661), mRNA.	Mme-M300021310	ILMN_2955129	0	0
384864	Gm1943	0.069	0.135	-0.125	0	0	0	0	0	0	NR_002928	gene model 1943, (NCBI) (Gm1943) on chromosome 8.	Mme-M400002298	ILMN_1246011	0	0
382133	Gm20738	0.049	0.005	0.039	0	0	0	0	0	0	NM_207162	similar to RIKEN cDNA 1700029H17 (LOC382133), mRNA.	Mme-M400012631	ILMN_2788502	0	0
195209	Gm22	0.032	0.148	-0.103	0	0	0	0	0	0	XM_001001798	PREDICTED: gene model 22, (NCBI) (Gm22), mRNA.	Mme-M300014958	ILMN_1246733	0	0
100039706	Gm2381	0.146	-0.042	0.053	0	0	0	0	0	0	XM_001472741	PREDICTED: similar to Predicted gene, EG434179 (LOC100039706), mRNA.	Mme-M400006695	ILMN_2525336	0	0
212539	Gm266	-0.066	0.115	0.027	0	0	0	0	0	0	NM_001033248	gene model 266, (NCBI) (Gm266), mRNA.	Mme-M400000176	ILMN_2989204	0	0
100040328	Gm2716	-0.136	-0.024	-0.051	0	0	0	0	0	0	XM_001474508	PREDICTED: hypothetical protein LOC100040328 (LOC100040328), mRNA.	Mme-M400004075	ILMN_1228737	0	0
14667	Gm2a	0.128	0.270	-0.040	0	0	0	0	0	0	NM_010299	GM2 ganglioside activator protein (Gm2a), mRNA.	Mme-M200001609	ILMN_2661971	0	0
545204	Gm318	0.072	-0.100	-0.021	0	0	0	0	0	0	XM_001481303	PREDICTED: gene model 318, (NCBI) (Gm318), mRNA.	Mme-M400003341	ILMN_1223971	0	0
100041294	Gm3258	0.256	0.192	0.118	0	0	0	0	0	0	NM_011509	suppressor of Ty 4 homolog 2 (S. cerevisiae) (Supt4h2), mRNA.	Mme-M400011144	ILMN_2850839	0	0
100041576	Gm3414	-0.134	-0.092	0.016	0	0	0	0	0	0	XM_001477438	PREDICTED: hypothetical protein LOC100041576 (LOC100041576), mRNA.	Mme-M400019389	ILMN_1235589	0	0
211208	Gm382	0.015	-0.026	0.090	0	0	0	0	0	0	NM_001033241	gene model 382, (NCBI) (Gm382), mRNA.	Mme-M400007989	ILMN_2800112	0	0
242502	Gm428	-0.122	0.066	-0.040	0	0	0	0	0	0	NM_001081644	gene model 428, (NCBI) (Gm428), mRNA.	Mme-M400006350	ILMN_2952493	0	0
100043224	Gm4301	-0.057	0.020	0.046	0	0	0	0	0	0	XM_001480409	PREDICTED: similar to RNA and export factor binding protein 1-II, transcript variant 2 (LOC100043224), mRNA.	Mme-M400006211	ILMN_1216653	0	0
194604	Gm46	-0.196	-0.045	0.080	0	0	0	0	0	0	XM_112098	PREDICTED: gene model 46, (NCBI) (Gm46), mRNA.	Mme-M400008374	ILMN_1238600	0	0
114600	Gm4736	0.016	0.013	-0.040	0	0	0	0	0	0	NM_053251	predicted gene, EG114600 (EG114600), mRNA.	Mme-M400011783	ILMN_1257875	0	0
194588	Gm4745	-0.132	-0.040	-0.054	0	0	0	0	0	0	NM_001038676	predicted gene, EG194588 (EG194588), mRNA.	Mme-M400011913	ILMN_1222079	0	0
209324	Gm4758	-0.124	0.001	0.007	0	0	0	0	0	0	XM_156070	PREDICTED: predicted gene, EG209324 (EG209324), mRNA.	Mme-M400008345	ILMN_1260095	0	0
210155	Gm4763	-0.003	0.028	-0.020	0	0	0	0	0	0	NM_177593	predicted gene, EG210155 (EG210155), mRNA.	Mme-M300019721	ILMN_1246202	0	0
214403	Gm4788	0.325	-0.196	-0.068	0	0	0	0	0	0	NM_001029977	predicted gene, EG214403 (EG214403), mRNA.	Mme-M400005747	ILMN_3162960	0	0
215472	Gm4792	-0.267	-0.019	-0.012	0	0	0	0	0	0	NM_174999	predicted gene, EG215472 (EG215472), mRNA.	Mme-M400004464	ILMN_2603663	0	0
215895	Gm4794	-0.011	-0.035	-0.100	0	0	0	0	0	0	NM_001101452	predicted gene, EG215895 (EG215895), mRNA.	Mme-M400002272	ILMN_1226400	0	0
224180	Gm4827	-0.337	0.105	-0.040	0	0	0	0	0	0	XR_035106	PREDICTED: predicted gene, EG224180 (EG224180), misc RNA.	Mme-M400008257	ILMN_2596575	0	0
226601	Gm4846	-0.135	-0.117	0.044	0	0	0	0	0	0	XM_136366	PREDICTED: predicted gene, EG226601 (EG226601), mRNA.	Mme-M400003772	ILMN_2526887	0	0
226604	Gm4847	-0.153	0.006	0.014	0	0	0	0	0	0	XM_136368	PREDICTED: predicted gene, EG226604 (EG226604), mRNA.	Mme-M400003771	ILMN_1243033	0	0
226957	Gm4850	0.320	0.041	0.078	0	0	0	0	0	0	NR_015347	predicted gene, EG226957 (EG226957) on chromosome 1.	Mme-M400003087	ILMN_1242181	0	0
229862	Gm4861	0.013	-0.053	0.013	0	0	0	0	0	0	NM_177665	predicted gene, EG229862 (EG229862), mRNA.	Mme-M400005065	ILMN_2704024	0	0
231736	Gm4868	-0.188	0.040	-0.001	0	0	0	0	0	0	XM_144574	PREDICTED: predicted gene, EG231736 (EG231736), mRNA.	Mme-M400008244	ILMN_1247390	0	0
233164	Gm4884	-0.224	-0.060	0.086	0	0	0	0	0	0	NM_183166	predicted gene, EG233164 (EG233164), mRNA.	Mme-M400003403	ILMN_2600180	0	0
235327	Gm4894	-0.224	0.043	0.074	0	0	0	0	0	0	NM_177701	predicted gene, EG235327 (EG235327), mRNA.	Mme-M400004725	ILMN_2765095	0	0
236749	Gm4907	-0.452	0.004	-0.004	0	0	0	0	0	0	NM_001034864	predicted gene, EG236749 (EG236749), mRNA.	Mme-M400002883	ILMN_3132434	0	0
237300	Gm4922	0.154	-0.002	-0.008	0	0	0	0	0	0	NM_177706	predicted gene, EG237300 (EG237300), mRNA.	Mme-M300015632	ILMN_1218298	0	0
237433	Gm4925	-0.199	-0.025	0.074	0	0	0	0	0	0	XM_137275	PREDICTED: predicted gene, EG237433 (EG237433), mRNA.	Mme-M400006641	ILMN_1255242	0	0
240038	Gm4944	0.139	-0.014	-0.148	0	0	0	0	0	0	XM_973961	PREDICTED: predicted gene, EG240038 (EG240038), mRNA.	Mme-M400007770	ILMN_1244199	0	0
240549	Gm4952	0.126	-0.017	-0.067	0	0	0	0	0	0	NM_001013762	predicted gene, EG240549 (EG240549), mRNA.	Mme-M400007995	ILMN_2831669	0	0
241041	Gm4956	0.003	0.047	0.077	0	0	0	0	0	0	NR_002858	predicted gene, EG241041 (EG241041) on chromosome 1.	Mme-M300004852	ILMN_1254228	0	0
242914	Gm4961	-0.035	0.060	-0.004	0	0	0	0	0	0	XR_001540	PREDICTED: predicted gene, EG242914 (EG242914), misc RNA.	Mme-M400002917	ILMN_1213603	0	0
245600	Gm4994	-0.174	0.003	0.013	0	0	0	0	0	0	XR_032090	PREDICTED: similar to transforming acidic coiled-coil containing protein 1 long (LOC245600), misc RNA.	Mme-M400001350	ILMN_1231163	0	0
245676	Gm4997	0.269	-0.064	-0.063	0	0	0	0	0	0	XR_032431	PREDICTED: similar to ribosomal protein S20 (LOC245676), misc RNA.	Mme-M400003065	ILMN_1228611	0	0
272350	Gm5065	0.000	0.042	0.056	0	0	0	0	0	0	NR_003622	predicted gene, EG272350 (EG272350) on chromosome 7.	Mme-M400003410	ILMN_2879824	0	0
277333	Gm5069	0.336	-0.057	-0.144	0	0	0	0	0	0	NR_003623	predicted gene, EG277333 (EG277333) on chromosome 1.	Mme-M400005259	ILMN_2591127	0	0
328231	Gm5082	-0.028	0.065	0.011	0	0	0	0	0	0	NM_177808	predicted gene, EG328231 (EG328231), mRNA.	Mme-M400004753	ILMN_2704096	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
328235	Gm5083	0.024	-0.006	-0.010	0	0	0	0	0	0	XM_001473081	PREDICTED: hypothetical protein A730030A06 (A730030A06), mRNA.	Mme-M400017855	ILMN_2729398	0	0
328354	Gm5087	0.138	0.108	-0.028	0	0	0	0	0	0	NM_177813	predicted gene, EG328354 (EG328354), mRNA.	Mme-M400003869	ILMN_2629500	0	0
328479	Gm5089	-0.253	-0.050	-0.031	0	0	0	0	0	0	NM_177817	predicted gene, EG328479 (EG328479), mRNA.	Mme-M400008531	ILMN_1234678	0	0
329636	Gm5103	0.020	-0.001	-0.059	0	0	0	0	0	0	XM_001473003	PREDICTED: hypothetical protein A630062H14 (A630062H14), mRNA.	Mme-M400019526	ILMN_1220371	0	0
329763	Gm5105	-0.003	-0.033	0.007	0	0	0	0	0	0	NM_177860	predicted gene, EG329763 (EG329763), mRNA.	Mme-M300020090	ILMN_2758622	0	0
330070	Gm5107	0.017	-0.091	-0.023	0	0	0	0	0	0	XM_897537	PREDICTED: predicted gene, EG330070 (EG330070), mRNA.	Mme-M400019107	ILMN_2504447	0	0
330097	Gm5108	0.014	-0.068	-0.063	0	0	0	0	0	0	XR_002346	PREDICTED: predicted gene, EG330097 (EG330097), misc RNA.	Mme-M400012637	ILMN_1250447	0	0
330305	Gm5111	-0.290	0.063	0.009	0	0	0	0	0	0	NM_183309	predicted gene, EG330305 (EG330305), mRNA.	Mme-M400004228	ILMN_2740720	0	0
330513	Gm5114	0.145	0.054	-0.095	0	0	0	0	0	0	NM_177890	predicted gene, EG330513 (EG330513), mRNA.	Mme-M400004571	ILMN_2968418	0	0
332993	Gm5129	-0.058	0.033	-0.090	0	0	0	0	0	0	XR_035191	PREDICTED: predicted gene, EG332993 (EG332993), misc RNA.	Mme-M400004349	ILMN_1226336	0	0
333669	Gm5134	0.027	-0.035	-0.026	0	0	0	0	0	0	NM_198635	predicted gene, EG333669 (EG333669), mRNA.	Mme-M300008663	ILMN_1227014	0	0
368203	Gm5136	-0.128	0.049	-0.016	0	0	0	0	0	0	NM_203660	predicted gene, EG368203 (EG368203), mRNA.	Mme-M400012617	ILMN_2669886	0	0
380907	Gm5142	-0.292	-0.018	-0.049	0	0	0	0	0	0	NM_001004158	predicted gene, EG380907 (EG380907), mRNA.	Mme-M400004621	ILMN_2960992	0	0
381002	Gm5144	-0.096	-0.041	-0.017	0	0	0	0	0	0	XR_035213	PREDICTED: hypothetical LOC381002 (LOC381002), misc RNA.	Mme-M400007972	ILMN_1220443	0	0
381438	Gm5148	0.157	0.004	-0.053	0	0	0	0	0	0	NM_198657	predicted gene, EG381438 (EG381438), mRNA.	Mme-M400006222	ILMN_2998738	0	0
382275	Gm5168	0.089	0.021	0.035	0	0	0	0	0	0	NM_001025607	predicted gene, EG382275 (EG382275), mRNA.	Mme-M400009711	ILMN_2782556	0	0
217648	Gm527	-0.106	-0.269	0.105	0	0	0	0	0	0	NM_001025605	gene model 527, (NCBI) (Gm527), mRNA.	Mme-M400003275	ILMN_3042287	0	0
384639	Gm5334	-0.088	0.040	-0.041	0	0	0	0	0	0	NR_003648	predicted gene, EG384639 (EG384639) on chromosome 7.	Mme-M300013828	ILMN_2780186	0	0
384813	Gm5346	-0.083	0.049	-0.030	0	0	0	0	0	0	NM_001025240	predicted gene, EG384813 (EG384813), mRNA.	Mme-M400003659	ILMN_3133209	0	0
224098	Gm536	-0.511	0.079	0.007	0	0	0	0	0	0	XM_986694	PREDICTED: gene model 536, (NCBI) (Gm536), mRNA.	Mme-M400005261	ILMN_2537746	0	0
385328	Gm5382	-0.131	0.127	0.108	0	0	0	0	0	0	NM_001034100	predicted gene, EG385328 (EG385328), mRNA.	Mme-M400007325	ILMN_2854888	0	0
386551	Gm5409	-0.055	-0.086	-0.037	0	0	0	0	0	0	NM_001003664	predicted gene, EG386551 (EG386551), mRNA.	Mme-M400010705	ILMN_2963762	0	0
406223	Gm5414	0.015	0.039	-0.146	0	0	0	0	0	0	NM_001003670	predicted gene, EG406223 (EG406223), mRNA.	Mme-M400008607	ILMN_3161245	0	0
432555	Gm5431	0.220	0.099	0.053	0	0	0	0	0	0	NM_001024230	predicted gene, EG432555 (EG432555), mRNA.	Mme-M400006217	ILMN_3162671	0	0
432649	Gm5434	0.126	-0.053	0.171	0	0	0	0	0	0	NR_003649	predicted gene, EG432649 (EG432649) on chromosome 12.	Mme-M400006750	ILMN_1238868	0	0
432743	Gm5447	-0.448	0.094	-0.076	0	0	0	0	0	0	NM_001013788	predicted gene, EG432743 (EG432743), mRNA.	Mme-M400005450	ILMN_2870913	0	0
432825	Gm5458	0.084	0.064	0.010	0	0	0	0	0	0	NM_001024706	predicted gene, EG432825 (EG432825), mRNA.	Mme-M400009673	ILMN_2542428	0	0
432939	Gm5468	0.242	-0.050	0.043	0	0	0	0	0	0	NM_001013791	predicted gene, EG432939 (EG432939), mRNA.	Mme-M400005398	ILMN_2821833	0	0
432987	Gm5478	-0.146	-0.020	0.095	0	0	0	0	0	0	NR_003960	predicted gene, EG432987 (EG432987) on chromosome 15.	Mme-M400003123	ILMN_3161002	0	0
433003	Gm5481	0.419	-0.092	0.021	0	0	0	0	0	0	XM_484529	PREDICTED: predicted gene, EG433003 (EG433003), mRNA.	Mme-M400008014	ILMN_1214722	0	0
433016	Gm5483	-0.034	0.146	-0.004	0	0	0	0	0	0	NM_001082547	predicted gene, EG433016 (EG433016), mRNA.	Mme-M400000625	ILMN_2995688	0	0
225852	Gm550	-0.192	0.096	-0.042	0	0	0	0	0	0	XM_148894	PREDICTED: gene model 550, (NCBI) (Gm550), mRNA.	Mme-M400005496	ILMN_1235542	0	0
433623	Gm5541	-0.140	-0.077	0.062	0	0	0	0	0	0	XM_485272	PREDICTED: predicted gene, EG433623 (EG433623), mRNA.	Mme-M400007083	ILMN_2774210	0	0
434168	Gm5590	0.404	-0.016	-0.005	0	0	0	0	0	0	XM_973360	PREDICTED: predicted gene, EG434168 (EG434168), mRNA.	Mme-M400003154	ILMN_1242672	0	0
434172	Gm5592	-0.170	-0.085	-0.026	0	0	0	0	0	0	NM_001033782	predicted gene, EG434172 (EG434172), mRNA.	Mme-M400003018	ILMN_3105802	0	0
434179	Gm5595	-0.088	-0.053	-0.015	0	0	0	0	0	0	NM_001008427	predicted gene, EG434179 (EG434179), mRNA.	Mme-M400006693	ILMN_2994166	0	0
434396	Gm5615	0.009	-0.031	0.045	0	0	0	0	0	0	NM_001033783	predicted gene, EG434396 (EG434396), mRNA.	Mme-M300010747	ILMN_3161549	0	0
434402	Gm5617	0.257	-0.254	-0.213	0	0	0	0	0	0	XM_917134	PREDICTED: predicted gene, EG434402 (EG434402), mRNA.	Mme-M300013622	ILMN_2546510	0	0
434459	Gm5622	0.203	-0.051	-0.096	0	0	0	0	0	0	NM_001013816	predicted gene, EG434459 (EG434459), mRNA.	Mme-M400004080	ILMN_3158002	0	0
434726	Gm5634	-0.130	0.095	-0.017	0	0	0	0	0	0	NM_001085524	predicted gene, EG434726 (EG434726), mRNA.	Mme-M400007270	ILMN_1215974	0	0
434775	Gm5636	0.048	-0.059	-0.017	0	0	0	0	0	0	XR_001556	PREDICTED: predicted gene, EG434775 (EG434775), misc RNA.	Mme-M400004836	ILMN_1225040	0	0
434858	Gm5643	0.257	0.070	-0.168	0	0	0	0	0	0	NR_002883	predicted gene, EG434858 (EG434858) on chromosome X.	Mme-M400003574	ILMN_3084883	0	0
435337	Gm5662	-0.058	-0.086	0.147	0	0	0	0	0	0	NM_001013824	predicted gene, EG435337 (EG435337), mRNA.	Mme-M400009666	ILMN_2534585	0	0
436332	Gm5766	0.250	-0.032	0.009	0	0	0	0	0	0	NR_003628	predicted gene, EG436332 (EG436332) on chromosome 16.	Mme-M400007832	ILMN_2827515	0	0
545007	Gm5796	0.106	0.263	-0.220	0	0	0	0	0	0	NM_001029930	predicted gene, ENSMUSG00000068790 (ENSMUSG00000068790), mRNA.	Mme-M400011520	ILMN_3070389	0	0
545758	Gm5868	-0.287	-0.050	-0.074	0	0	0	0	0	0	NM_001024147	predicted gene, EG545758 (EG545758), mRNA.	Mme-M400001147	ILMN_2896113	0	0
545929	Gm5891	-0.012	-0.045	-0.061	0	0	0	0	0	0	NM_001034904	predicted gene, EG545929 (EG545929), mRNA.	Mme-M400007503	ILMN_2954522	0	0
546282	Gm5935	-0.030	0.041	-0.074	0	0	0	0	0	0	NM_001081657	predicted gene, EG546282 (EG546282), mRNA.	Mme-M400009710	ILMN_2821951	0	0
546325	Gm5936	0.067	0.013	-0.069	0	0	0	0	0	0	NM_001081670	predicted gene, EG546325 (EG546325), mRNA.	Mme-M400010653	ILMN_2902947	0	0
546347	Gm5941	-0.126	0.071	-0.043	0	0	0	0	0	0	NM_001034103	predicted gene, EG546347 (EG546347), mRNA.	Mme-M400008226	ILMN_3006164	0	0
209005	Gm595	0.197	0.075	-0.067	0	0	0	0	0	0	NM_001085499	gene model 595, (NCBI) (Gm595), mRNA.	Mme-M400003693	ILMN_1214389	0	0
210962	Gm597	-0.056	0.015	-0.011	0	0	0	0	0	0	NM_001013750	gene model 597, (NCBI) (Gm597), mRNA.	Mme-M300019211	ILMN_2973504	0	0
207806	Gm608	-0.404	-0.498	-0.092	0	-1	0	0	0	0	NM_001029889	gene model 608, (NCBI) (Gm608), mRNA.	Mme-M400014196	ILMN_2450676	0	0
208166	Gm609	-0.233	-0.047	0.053	0	0	0	0	0	0	NM_001005854	gene model 609, (NCBI) (Gm609), mRNA.	Mme-M400004371	ILMN_2820327	0	0
245536	Gm614	-0.107	0.094	0.048	0	0	0	0	0	0	NM_001033362	gene model 614, (NCBI) (Gm614), mRNA.	Mme-M400006119	ILMN_1239528	0	0
622282	Gm6306	-0.150	-0.017	-0.036	0	0	0	0	0	0	XM_886707	PREDICTED: predicted gene, EG622282 (EG622282), mRNA.	Mme-M400007311	ILMN_2581370	0	0
622976	Gm6377	0.099	-0.080	-0.024	0	0	0	0	0	0	NM_001037917	predicted gene, EG622976 (EG622976), mRNA.	Mme-M300019406	ILMN_2804287	0	0
623172	Gm6403	-0.358	-0.066	-0.075	0	0	0	0	0	0	XM_897562	PREDICTED: predicted gene, EG623172 (EG623172), mRNA.	Mme-M400015899	ILMN_1260328	0	0
623312	Gm6416	-0.049	0.000	0.033	0	0	0	0	0	0	XM_001475967	PREDICTED: hypothetical protein LOC623312 (LOC623312), mRNA.	Mme-M400018823	ILMN_1234748	0	0
270599	Gm648	0.028	0.072	0.066	0	0	0	0	0	0	NM_001033372	gene model 648, (NCBI) (Gm648), mRNA.	Mme-M400008515	ILMN_1214195	0	0
624219	Gm6484	-0.122	-0.023	0.045	0	0	0	0	0	0	NM_001080940	predicted gene, EG624219 (EG624219), mRNA.	Mme-M400003352	ILMN_2996704	0	0
624367	Gm6498	0.270	0.072	0.044	0	0	0	0	0	0	NR_003630	predicted gene, EG624367 (EG624367) on chromosome 14.	Mme-M400008458	ILMN_2960286	0	0
625349	Gm6579	0.279	-0.017	-0.059	0	0	0	0	0	0	XM_889916	PREDICTED: predicted gene, EG625349 (EG625349), mRNA.	Mme-M400005976	ILMN_1217428	0	0
625424	Gm6583	-0.038	-0.097	0.049	0	0	0	0	0	0	NM_001039228	predicted gene, EG625424 (EG625424), mRNA.	Mme-M300022129	ILMN_2552338	0	0
625464	Gm6588	-0.036	-0.095	-0.007	0	0	0	0	0	0	XM_894605	PREDICTED: predicted gene, EG625464 (EG625464), mRNA.	Mme-M400003728	ILMN_2539009	0	0
625480	Gm6592	-0.173	-0.053	-0.131	0	0	0	0	0	0	NM_001081564	hypothetical LOC625480 (LOC625480), mRNA.	Mme-M400006965	ILMN_2981082	0	0
625716	Gm6614	0.047	-0.017	-0.036	0	0	0	0	0	0	NM_001081318	predicted gene, EG625716 (EG625716), mRNA.	Mme-M400002530	ILMN_3009047	0	0
627311	Gm6744	-0.390	-0.035	-0.055	0	0	0	0	0	0	XM_891970	PREDICTED: predicted gene, EG627311 (EG627311), mRNA.	Mme-M400003027	ILMN_1260305	0	0
627821	Gm6792	-0.089	0.067	0.029	0	0	0	0	0	0	XM_892523	PREDICTED: predicted gene, EG627821 (EG627821), mRNA.	Mme-M400004446	ILMN_2584441	0	0
279618	Gm715	0.071	-0.098	-0.014	0	0	0	0	0	0	XM_205232	PREDICTED: gene model 715, (NCBI) (Gm715), mRNA.	Mme-M400001883	ILMN_1247896	0	0
277899	Gm725	0.230	0.100	0.051	0	0	0	0	0	0	XM_205592	PREDICTED: gene model 725, (NCBI) (Gm725), mRNA.	Mme-M400002666	ILMN_2531205	0	0
665044	Gm7461	-0.188	0.034	0.034	0	0	0	0	0	0	XM_974151	PREDICTED: predicted gene, EG665044 (EG665044), mRNA.	Mme-M300019280	ILMN_2584072	0	0
665075	Gm7480	-0.123	-0.065	0.047	0	0	0	0	0	0	XM_977116	PREDICTED: predicted gene, EG665075 (EG665075), mRNA.	Mme-M400005640	ILMN_1256802	0	0
665578	Gm7697	-0.094	0.034	-0.063	0	0	0	0	0	0	XM_977914	PREDICTED: predicted gene, EG665578 (EG665578), mRNA.	Mme-M400008534	ILMN_1232490	0	0
666661	Gm8221	-0.008	0.138	-0.024	0	0	0	0	0	0	XM_001476404	PREDICTED: apolipoprotein L, 3-like (LOC666661), mRNA.	Mme-M400008968	ILMN_1244198	0	0
666920	Gm8364	-0.066	-0.008	-0.099	0	0	0	0	0	0	XM_987017	PREDICTED: predicted gene, EG666920 (EG666920), mRNA.	Mme-M400017892	ILMN_1254967	0	0
330379	Gm839	-0.186	0.070	0.056	0	0	0	0	0	0	NM_201356	gene model 839, (NCBI) (Gm839), mRNA.	Mme-M400012606	ILMN_2601009	0	0
332942	Gm853	-0.209	0.083	-0.055	0	0	0	0	0	0	NM_001034872	gene model 853, (NCBI) (Gm853), mRNA.	Mme-M400000646	ILMN_2956688	0	0
380730	Gm884	-0.110	-0.060	-0.097	0	0	0	0	0	0	NM_001033434	gene model 884, (NCBI) (Gm884), mRNA.	Mme-M400001667	ILMN_2534459	0	0
194854	Gm9	-0.019	-0.038	0.034	0	0	0	0	0	0	NM_001033234	gene model 9, (NCBI) (Gm9), mRNA.	Mme-M400005862	ILMN_2931123	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
225443	Gm94	-0.130	0.100	0.040	0	0	0	0	0	0	NM_001033280	gene model 94, (NCBI) (Gm94), mRNA.	Mme-M300016212	ILMN_2900502	0	0
671132	Gm9519	0.060	0.003	-0.062	0	0	0	0	0	0	XR_033994	PREDICTED: hypothetical LOC671132 (LOC671132), misc RNA.	Mme-M400005863	ILMN_1234795	0	0
381260	Gm973	0.329	0.090	0.038	0	0	0	0	0	0	NM_001013771	gene model 973, (NCBI) (Gm973), mRNA.	Mme-M300014125	ILMN_1229313	0	0
76377	Gm9734	-0.267	0.019	0.036	0	0	0	0	0	0	XR_035387	PREDICTED: RIKEN cDNA 2810410L24 gene (2810410L24Rik), misc RNA.	Mme-M400005579	ILMN_2652286	0	0
381714	Gm9758	-0.252	0.089	-0.075	0	0	0	0	0	0	NM_198666	predicted gene, ENSMUSG00000033219 (ENSMUSG00000033219), mRNA.	Mme-M400009681	ILMN_2757062	0	0
100040851	Gm9767	-0.167	-0.041	-0.067	0	0	0	0	0	0	XM_001475247	PREDICTED: hypothetical protein LOC100040851 (LOC100040851), mRNA.	Mme-M300011947	ILMN_2422147	0	0
328309	Gm9776	0.096	0.024	0.048	0	0	0	0	0	0	XM_001472542	PREDICTED: predicted gene, ENSMUSG00000042857 (ENSMUSG00000042857), mRNA.	Mme-M300013950	ILMN_1258722	0	0
640627	Gm9789	0.027	0.000	0.034	0	0	0	0	0	0	XM_001474147	PREDICTED: predicted gene, ENSMUSG00000044227 (ENSMUSG00000044227), mRNA.	Mme-M400002866	ILMN_2581604	0	0
791324	Gm9799	-0.019	0.067	-0.026	0	0	0	0	0	0	XM_001472713	PREDICTED: predicted gene, ENSMUSG00000045520 (ENSMUSG00000045520), mRNA.	Mme-M300016469	ILMN_2562096	0	0
620583	Gm9804	-0.513	-0.062	-0.017	0	0	0	0	0	0	XM_884978	PREDICTED: predicted gene, ENSMUSG00000045946 (ENSMUSG00000045946), mRNA.	Mme-M300016867	ILMN_1229554	0	0
432561	Gm9837	-0.093	-0.019	0.037	0	0	0	0	0	0	XR_035252	PREDICTED: predicted gene, ENSMUSG00000049427 (ENSMUSG00000049427), misc RNA.	Mme-M300020178	ILMN_2586720	0	0
381353	Gm996	-0.391	-0.017	0.054	0	0	0	0	0	0	NM_001005424	gene model 996, (NCBI) (Gm996), mRNA.	Mme-M400001163	ILMN_2527276	0	0
629141	Gm9999	-0.147	0.003	0.007	0	0	0	0	0	0	XM_001477255	PREDICTED: predicted gene, ENSMUSG00000056509 (ENSMUSG00000056509), mRNA.	Mme-M400005533	ILMN_2584055	0	0
23885	Gmcl1	-0.043	0.045	0.233	0	0	0	0	0	0	NM_011818	germ cell-less homolog 1 (Drosophila) (Gmcl1), mRNA.	Mme-M300000159	ILMN_1221810	0	0
218138	Gmds	0.094	-0.062	-0.156	0	0	0	0	0	0	NM_146041	GDP-mannose 4, 6-dehydratase (Gmds), mRNA.	Mme-M300011523	ILMN_2766596	0	0
56809	Gmeb1	-0.203	-0.123	-0.076	0	0	0	0	0	0	NM_020273	glucocorticoid modulatory element binding protein 1 (Gmeb1), transcript variant 1, mRNA.	Mme-M200008529	ILMN_2693230	0	0
229004	Gmeb2	-0.062	0.119	0.017	0	0	0	0	0	0	NM_198169	glucocorticoid modulatory element binding protein 2 (Gmeb2), mRNA.	Mme-M300011727	ILMN_1235072	0	0
63985	Gmfb	0.179	-0.040	-0.019	0	0	0	0	0	0	NM_022023	glia maturation factor, beta (Gmfb), mRNA.	Mme-M400007640	ILMN_2756771	0	0
63986	Gmfg	0.137	0.458	0.314	0	1	1	0	0	0	NM_001039192	glia maturation factor, gamma (Gmfg), transcript variant 2, mRNA.	Mme-M300010965	ILMN_1222471	0	0
78816	Gmip	0.075	0.173	0.165	0	0	0	0	0	0	NM_198101	Gem-interacting protein (Gmip), mRNA.	Mme-M200000284	ILMN_2727911	0	0
57441	Gmnn	0.020	-0.010	-0.009	0	0	0	0	0	0	NM_020567	geminin (Gmnn), mRNA.	Mme-M300000848	ILMN_2697069	0	0
69080	Gmppa	0.136	0.051	-0.160	0	0	0	0	0	0	NM_133708	GDP-mannose pyrophosphorylase A (Gmppa), mRNA.	Mme-M400001523	ILMN_1232272	0	0
331026	Gmppb	0.410	0.091	-0.046	0	0	0	0	0	0	NM_177910	GDP-mannose pyrophosphorylase B (Gmppb), mRNA.	Mme-M400001481	ILMN_2744909	0	0
66355	Gmpr	0.079	0.020	-0.053	0	0	0	0	0	0	NM_025508	guanosine monophosphate reductase (Gmpr), mRNA.	Mme-M300000048	ILMN_2602581	0	0
105446	Gmpr2	0.165	-0.066	-0.089	0	0	0	0	0	0	NM_177992	guanosine monophosphate reductase 2 (Gmpr2), mRNA.	Mme-M200006440	ILMN_2846317	0	0
229363	Gmps	0.241	0.068	0.178	0	0	0	0	0	0	NM_001033300	guanine monphosphate synthetase (Gmps), mRNA.	Mme-M400009232	ILMN_1225161	0	0
14672	Gna11	0.167	-0.156	-0.148	0	0	0	0	0	0	NM_010301	guanine nucleotide binding protein, alpha 11 (Gna11), mRNA.	Mme-M400004837	ILMN_2751072	0	0
14673	Gna12	0.010	0.018	0.057	0	0	0	0	0	0	NM_010302	guanine nucleotide binding protein, alpha 12 (Gna12), mRNA.	Mme-M200009305	ILMN_2686393	0	0
14674	Gna13	0.118	0.277	0.197	0	0	0	0	0	0	NM_010303	guanine nucleotide binding protein, alpha 13 (Gna13), mRNA.	Mme-M300002274	ILMN_2754253	0	0
14675	Gna14	-0.247	-0.197	-0.017	0	0	0	0	0	0	NM_008137	guanine nucleotide binding protein, alpha 14 (Gna14), mRNA.	Mme-M200004351	ILMN_2597778	0	0
14676	Gna15	-0.254	0.029	-0.005	0	0	0	0	0	0	NM_010304	guanine nucleotide binding protein, alpha 15 (Gna15), mRNA.	Mme-M200000626	ILMN_2759933	0	0
14677	Gnai1	0.098	-0.354	-0.243	0	0	0	0	0	0	NM_010305	guanine nucleotide binding protein (G protein), alpha inhibiting 1 (Gnai1), mRNA.	Mme-M400005999	ILMN_2592815	0	0
14678	Gnai2	-0.014	0.266	0.066	0	0	0	0	0	0	NM_008138	guanine nucleotide binding protein (G protein), alpha inhibiting 2 (Gnai2), mRNA.	Mme-M300008321	ILMN_2418465	0	0
14679	Gnai3	0.008	0.038	0.031	0	0	0	0	0	0	NM_010306	guanine nucleotide binding protein (G protein), alpha inhibiting 3 (Gnai3), mRNA.	Mme-M200004485	ILMN_2733433	0	0
14680	Gnal	-0.174	-0.473	0.792	0	-1	1	0	0	1	NM_010307	guanine nucleotide binding protein, alpha stimulating, olfactory type (Gnal), transcript variant 1, mRNA.	Mme-M300004189	ILMN_2429164	1	0
14681	Gnao1	-0.074	0.194	0.029	0	0	0	0	0	0	NM_010308	guanine nucleotide binding protein, alpha O (Gnao1), transcript variant A, mRNA.	Mme-M300007875	ILMN_2753422	0	0
14682	Gnaq	-0.043	-0.084	0.096	0	0	0	0	0	0	NM_008139	guanine nucleotide binding protein, alpha q polypeptide (Gnaq), mRNA.	Mme-M300004248	ILMN_2686883	0	0
14683	Gnas	0.176	-0.225	0.230	0	0	0	0	0	0	NM_001077510	GNAS (guanine nucleotide binding protein, alpha stimulating) complex locus (Gnas), transcript variant 8, mRNA.	Mme-M400001016	ILMN_1223437	0	0
14685	Gnat1	-0.310	0.128	-0.105	0	0	0	0	0	0	NM_008140	guanine nucleotide binding protein, alpha transducing 1 (Gnat1), mRNA.	Mme-M200015261	ILMN_2765547	0	0
14686	Gnat2	-0.396	0.047	0.026	0	0	0	0	0	0	NM_008141	guanine nucleotide binding protein, alpha transducing 2 (Gnat2), mRNA.	Mme-M200001966	ILMN_2737604	0	0
242851	Gnat3	-0.111	-0.045	-0.017	0	0	0	0	0	0	NM_001081143	guanine nucleotide binding protein, alpha transducing 3 (Gnat3), mRNA.	Mme-M300006285	ILMN_3026658	0	0
14687	Gnaz	-0.040	-0.073	-0.140	0	0	0	0	0	0	NM_010311	guanine nucleotide binding protein, alpha z subunit (Gnaz), mRNA.	Mme-M300008811	ILMN_3161289	0	0
14688	Gnb1	-0.006	0.026	0.010	0	0	0	0	0	0	NM_008142	guanine nucleotide binding protein (G protein), beta 1 (Gnb1), mRNA.	Mme-M200000883	ILMN_2733852	0	0
13972	Gnb1l	0.136	-0.107	-0.166	0	0	0	0	0	0	NM_023120	guanine nucleotide binding protein (G protein), beta polypeptide 1-like (Gnb1l), transcript variant 2, mRNA.	Mme-M200008854	ILMN_3136271	0	0
14693	Gnb2	0.090	0.055	-0.109	0	0	0	0	0	0	NM_010312	guanine nucleotide binding protein (G protein), beta 2 (Gnb2), mRNA.	Mme-M200006860	ILMN_1221732	0	0
14694	Gnb2l1	0.321	-0.014	-0.021	0	0	0	0	0	0	NM_008143	guanine nucleotide binding protein (G protein), beta polypeptide 2 like 1 (Gnb2l1), mRNA.	Mme-M300002151	ILMN_2652645	0	0
14695	Gnb3	-0.049	0.104	-0.334	0	0	-1	0	0	0	NM_013530	guanine nucleotide binding protein (G protein), beta 3 (Gnb3), mRNA.	Mme-M400012769	ILMN_1218235	0	0
14696	Gnb4	0.050	0.141	0.066	0	0	0	0	0	0	NM_013531	guanine nucleotide binding protein (G protein), beta 4 (Gnb4), mRNA.	Mme-M300005743	ILMN_1240125	0	0
14697	Gnb5	0.087	0.287	-0.064	0	0	0	0	0	0	NM_138719	guanine nucleotide binding protein (G protein), beta 5 (Gnb5), transcript variant 2, mRNA.	Mme-M200001898	ILMN_2672458	0	0
50798	Gne	0.068	0.012	-0.097	0	0	0	0	0	0	NM_015828	glucosamine (Gne), mRNA.	Mme-M300006112	ILMN_2682503	0	0
14700	Gng10	0.441	0.298	0.138	0	0	0	0	0	0	NM_025277	guanine nucleotide binding protein (G protein), gamma 10 (Gng10), mRNA.	Mme-M200013747	ILMN_2513837	0	0
66066	Gng11	0.478	-0.147	-0.034	0	0	0	0	0	0	NM_025331	guanine nucleotide binding protein (G protein), gamma 11 (Gng11), mRNA.	Mme-M200005139	ILMN_1251233	0	0
14701	Gng12	0.105	0.036	0.151	0	0	0	0	0	0	NM_025278	guanine nucleotide binding protein (G protein), gamma 12 (Gng12), mRNA.	Mme-M200013566	ILMN_2546272	0	0
64337	Gng13	0.749	-0.106	-0.271	1	0	0	0	0	0	NM_022422	guanine nucleotide binding protein (G protein), gamma 13 (Gng13), mRNA.	Mme-M200008489	ILMN_2615412	0	0
14702	Gng2	-0.120	-0.067	-0.157	0	0	0	0	0	0	NM_001038637	guanine nucleotide binding protein (G protein), gamma 2 (Gng2), transcript variant 2, mRNA.	Mme-M300014088	ILMN_3143604	0	0
14704	Gng3	-0.096	-0.070	0.032	0	0	0	0	0	0	NM_010316	guanine nucleotide binding protein (G protein), gamma 3 (Gng3), mRNA.	Mme-M200005499	ILMN_1253137	0	0
14706	Gng4	0.417	0.546	-0.284	0	1	0	0	0	0	NM_010317	guanine nucleotide binding protein (G protein), gamma 4 (Gng4), mRNA.	Mme-M200008221	ILMN_1244018	0	0
14707	Gng5	0.505	-0.062	0.148	0	0	0	0	0	0	NM_010318	guanine nucleotide binding protein (G protein), gamma 5 (Gng5), mRNA.	Mme-M400003603	ILMN_3163159	0	0
14708	Gng7	-0.087	-0.213	0.036	0	0	0	0	0	0	NM_010319	guanine nucleotide binding protein (G protein), gamma 7 (Gng7), transcript variant 2, mRNA.	Mme-M300019054	ILMN_3103233	0	0
14709	Gng8	-0.384	-0.010	-0.178	0	0	0	0	0	0	NM_010320	guanine nucleotide binding protein (G protein), gamma 8 (Gng8), mRNA.	Mme-M300019810	ILMN_1259653	0	0
14699	Gngt1	-0.223	0.054	0.013	0	0	0	0	0	0	NM_010314	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1 (Gngt1), mRNA.	Mme-M300006803	ILMN_2665326	0	0
14670	Gnl1	0.042	0.111	-0.164	0	0	0	0	0	0	NM_008136	guanine nucleotide binding protein, related sequence 1 (Gna-rs1), mRNA.	Mme-M300004123	ILMN_1223648	0	0
230737	Gnl2	0.054	0.092	0.081	0	0	0	0	0	0	NM_145552	guanine nucleotide binding protein-like 2 (nucleolar) (Gnl2), mRNA.	Mme-M200016094	ILMN_2770686	0	0
30877	Gnl3	0.362	0.031	-0.140	0	0	0	0	0	0	NM_153547	guanine nucleotide binding protein-like 3 (nucleolar) (Gnl3), transcript variant 1, mRNA.	Mme-M300013645	ILMN_2673441	0	0
237107	Gnl3l	-0.009	-0.163	-0.133	0	0	0	0	0	0	NM_198110	guanine nucleotide binding protein-like 3 (nucleolar)-like (Gnl3l), mRNA.	Mme-M300004547	ILMN_2628122	0	0
14711	Gnmt	0.341	-0.152	-0.142	0	0	0	0	0	0	NM_010321	glycine N-methyltransferase (Gnmt), mRNA.	Mme-M200006467	ILMN_2837816	0	0
14712	Gnpat	0.267	0.078	-0.087	0	0	0	0	0	0	NM_010322	glyceronephosphate O-acyltransferase (Gnpat), mRNA.	Mme-M200006330	ILMN_2605941	0	0
26384	Gnpda1	0.011	0.242	-0.093	0	0	0	0	0	0	NM_011937	glucosamine-6-phosphate deaminase 1 (Gnpda1), mRNA.	Mme-M400009391	ILMN_2605935	0	0
67980	Gnpda2	0.187	-0.092	-0.003	0	0	0	0	0	0	NM_001038015	glucosamine-6-phosphate deaminase 2 (Gnpda2), mRNA.	Mme-M200007425	ILMN_1256805	0	0
54342	Gnpnat1	0.107	0.056	-0.030	0	0	0	0	0	0	NM_019425	glucosamine-phosphate N-acetyltransferase 1 (Gnpnat1), mRNA.	Mme-M200013542	ILMN_2641569	0	0
432486	Gnptab	-0.049	-0.077	-0.008	0	0	0	0	0	0	NM_001004164	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits (Gnptab), mRNA.	Mme-M300009850	ILMN_3162570	0	0
214505	Gnptg	0.404	-0.121	-0.138	0	0	0	0	0	0	NM_172529	N-acetylglucosamine-1-phosphotransferase, gamma subunit (Gnptg), mRNA.	Mme-M300009963	ILMN_2617865	0	0
14715	Gnrhr	0.727	-0.097	-0.433	1	0	-1	0	0	-1	NM_010323	gonadotropin releasing hormone receptor (Gnrhr), mRNA.	Mme-M300006578	ILMN_1227504	0	1
75612	Gns	0.169	0.109	0.140	0	0	0	0	0	0	NM_029364	glucosamine (N-acetyl)-6-sulfatase (Gns), mRNA.	Mme-M300004774	ILMN_1248555	0	0
76899	Golga1	0.017	-0.120	0.108	0	0	0	0	0	0	NM_029793	golgi autoantigen, golgin subfamily a, 1 (Golga1), mRNA.	Mme-M300005266	ILMN_1225918	0	0
99412	Golga2	0.165	-0.194	-0.125	0	0	0	0	0	0	NM_001080968	golgi autoantigen, golgin subfamily a, 2 (Golga2), transcript variant 2, mRNA.	Mme-M200008706	ILMN_3137432	0	0
269682	Golga3	0.122	-0.187	-0.155	0	0	0	0	0	0	NM_008146	golgi autoantigen, golgin subfamily a, 3 (Golga3), mRNA.	Mme-M300006709	ILMN_1260175	0	0
54214	Golga4	-0.009	-0.147	-0.100	0	0	0	0	0	0	NM_018748	golgi autoantigen, golgin subfamily a, 4 (Golga4), mRNA.	Mme-M400002181	ILMN_2987937	0	0
27277	Golga5	0.210	0.041	0.014	0	0	0	0	0	0	NM_013747	golgi autoantigen, golgin subfamily a, 5 (Golga5), mRNA.	Mme-M200003982	ILMN_1250865	0	0
57437	Golga7	-0.116	0.129	0.083	0	0	0	0	0	0	NM_001042484	golgi autoantigen, golgin subfamily a, 7 (Golga7), transcript variant 2, mRNA.	Mme-M200003480	ILMN_2666519	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
71146	Golga7b	-0.023	0.171	-0.040	0	0	0	0	0	0	NM_027694	RIKEN cDNA 4933417O08 gene (4933417O08Rik), mRNA.	Mme-M200009749	ILMN_2646949	0	0
224139	Golgb1	0.364	-0.313	-0.221	0	0	0	0	0	0	XM_001001861	PREDICTED: golgi autoantigen, golgin subfamily b, macrogolgin 1, transcript variant 9 (Golgb1), mRNA.	Mme-M300003539	ILMN_2742305	0	0
73124	Golim4	0.075	-0.074	0.101	0	0	0	0	0	0	NM_175193	golgi integral membrane protein 4 (Golim4), mRNA.	Mme-M200005306	ILMN_1258813	0	0
105348	Golm1	0.223	-0.092	-0.132	0	0	0	0	0	0	NM_001035122	golgi membrane protein 1 (Golm1), transcript variant 2, mRNA.	Mme-M200011697	ILMN_3148550	0	0
66629	Golph3	0.111	-0.024	0.076	0	0	0	0	0	0	NM_025673	golgi phosphoprotein 3 (Golph3), mRNA.	Mme-M200004387	ILMN_2731359	0	0
229593	Golph3l	0.115	-0.069	-0.061	0	0	0	0	0	0	NM_146133	golgi phosphoprotein 3-like (Golph3l), mRNA.	Mme-M200004088	ILMN_1235179	0	0
68338	Golt1a	0.118	0.020	0.088	0	0	0	0	0	0	NM_026680	golgi transport 1 homolog A (S. cerevisiae) (Golt1a), mRNA.	Mme-M200015007	ILMN_1240839	0	0
66964	Golt1b	0.352	0.199	-0.084	0	0	0	0	0	0	NM_025872	golgi transport 1 homolog B (S. cerevisiae) (Golt1b), mRNA.	Mme-M200001420	ILMN_2633275	0	0
94221	Gopc	0.044	0.029	-0.015	0	0	0	0	0	0	NM_053187	golgi associated PDZ and coiled-coil motif containing (Gopc), mRNA.	Mme-M200009842	ILMN_1238680	0	0
98376	Gorab	0.129	0.068	0.112	0	0	0	0	0	0	NM_178883	SCY1-like 1 binding protein 1 (Scyl1bp1), mRNA.	Mme-M300012523	ILMN_2743991	0	0
74498	Gorasp1	0.146	-0.188	-0.133	0	0	0	0	0	0	NM_028976	golgi reassembly stacking protein 1 (Gorasp1), mRNA.	Mme-M300008287	ILMN_1235664	0	0
70231	Gorasp2	0.221	0.170	0.175	0	0	0	0	0	0	NM_027352	golgi reassembly stacking protein 2 (Gorasp2), mRNA.	Mme-M300001347	ILMN_2884098	0	0
53334	Gosr1	-0.086	-0.022	0.159	0	0	0	0	0	0	NM_016810	golgi SNAP receptor complex member 1 (Gosr1), mRNA.	Mme-M400000175	ILMN_2698248	0	0
56494	Gosr2	0.196	0.200	0.144	0	0	0	0	0	0	NM_019650	golgi SNAP receptor complex member 2 (Gosr2), mRNA.	Mme-M300002481	ILMN_1224380	0	0
14718	Got1	0.208	0.272	-0.098	0	0	0	0	0	0	NM_010324	glutamate oxaloacetate transaminase 1, soluble (Got1), mRNA.	Mme-M400011023	ILMN_1217043	0	0
76615	Got1l1	0.072	-0.035	-0.031	0	0	0	0	0	0	NM_029674	glutamic-oxaloacetic transaminase 1-like 1 (Got1l1), mRNA.	Mme-M200011177	ILMN_1246289	0	0
14719	Got2	0.092	0.019	0.009	0	0	0	0	0	0	NM_010325	glutamate oxaloacetate transaminase 2, mitochondrial (Got2), nuclear gene encoding mitochondrial protein, mR	Mme-M200003706	ILMN_2593496	0	0
14723	Gp1ba	-0.093	0.149	0.097	0	0	0	0	0	0	NM_010326	glycoprotein 1b, alpha polypeptide (Gp1ba), mRNA.	Mme-M200002304	ILMN_1225422	0	0
14724	Gp1bb	-0.105	0.276	0.042	0	0	0	0	0	0	NM_010327	glycoprotein Ib, beta polypeptide (Gp1bb), transcript variant 2, mRNA.	Mme-M200003876	ILMN_2653205	0	0
67133	Gp2	-0.148	-0.134	0.026	0	0	0	0	0	0	NM_025989	glycoprotein 2 (zymogen granule membrane) (Gp2), mRNA.	Mme-M300007508	ILMN_2904435	0	0
14727	Gp49a	0.344	0.072	0.144	0	0	0	0	0	0	NM_008147	glycoprotein 49 A (Gp49a), mRNA.	Mme-M400009678	ILMN_1236609	0	0
14729	Gp5	0.002	-0.053	0.063	0	0	0	0	0	0	NM_008148	glycoprotein 5 (platelet) (Gp5), mRNA.	Mme-M200001376	ILMN_1236762	0	0
243816	Gp6	0.091	-0.017	0.039	0	0	0	0	0	0	XM_145298	PREDICTED: glycoprotein 6 (platelet) (Gp6), mRNA.	Mme-M400015351	ILMN_2640560	0	0
54368	Gp9	-0.123	0.155	0.030	0	0	0	0	0	0	NM_018762	glycoprotein 9 (platelet) (Gp9), mRNA.	Mme-M200003177	ILMN_2842601	0	0
59290	Gpa33	-0.217	-0.015	0.000	0	0	0	0	0	0	NM_021610	glycoprotein A33 (transmembrane) (Gpa33), mRNA.	Mme-M300000082	ILMN_2666173	0	0
14731	Gpaa1	0.158	-0.001	-0.164	0	0	0	0	0	0	NM_010331	GPI anchor attachment protein 1 (Gpaa1), mRNA.	Mme-M200002277	ILMN_1255423	0	0
67467	Gpalpp1	0.086	-0.171	0.056	0	0	0	0	0	0	NM_026177	RIKEN cDNA 1200011I18 gene (1200011I18Rik), mRNA.	Mme-M200010012	ILMN_1238691	0	0
14732	Gpam	0.035	-0.065	0.072	0	0	0	0	0	0	NM_008149	glycerol-3-phosphate acyltransferase, mitochondrial (Gpam), nuclear gene encoding mitochondrial protein, mRN	Mme-M300004405	ILMN_2655954	0	0
81845	Gpank1	-0.048	0.161	-0.057	0	0	0	0	0	0	NM_032460	HLA-B associated transcript 4 (Bat4), mRNA.	Mme-M200002541	ILMN_2996046	0	0
215456	Gpat2	0.181	-0.561	-0.033	0	-1	0	0	-1	0	NM_001081089	RIKEN cDNA A530057A03 gene (A530057A03Rik), mRNA.	Mme-M300017255	ILMN_2703492	0	1
67471	Gpatch1	0.088	0.056	0.067	0	0	0	0	0	0	NM_026181	G patch domain containing 1 (Gpatch1), mRNA.	Mme-M200007320	ILMN_2762189	0	0
53951	Gpatch11	0.190	-0.087	-0.143	0	0	0	0	0	0	NM_181649	RIKEN cDNA 2310002B06 gene (2310002B06Rik), mRNA.	Mme-M200004621	ILMN_2901363	0	0
67769	Gpatch2	0.046	-0.112	0.105	0	0	0	0	0	0	NM_026367	G patch domain containing 2 (Gpatch2), mRNA.	Mme-M400008693	ILMN_2841032	0	0
70373	Gpatch2l	-0.053	0.050	0.112	0	0	0	0	0	0	NM_027405	RIKEN cDNA 1700020O03 gene (1700020O03Rik), mRNA.	Mme-M200011715	ILMN_2673628	0	0
242691	Gpatch3	-0.041	0.077	0.091	0	0	0	0	0	0	NM_172876	G patch domain containing 3 (Gpatch3), mRNA.	Mme-M300006330	ILMN_2694857	0	0
66614	Gpatch4	0.153	0.170	-0.074	0	0	0	0	0	0	NM_001110809	G patch domain containing 4 (Gpatch4), transcript variant 2, mRNA.	Mme-M300005926	ILMN_1219670	0	0
227289	Gpbar1	-0.505	0.007	0.012	0	0	0	0	0	0	NM_174985	G protein-coupled bile acid receptor 1 (Gpbar1), mRNA.	Mme-M300017373	ILMN_1248346	0	0
73274	Gpbp1	0.203	0.139	0.058	0	0	0	0	0	0	NM_028487	GC-rich promoter binding protein 1 (Gpbp1), transcript variant 2, mRNA.	Mme-M300008420	ILMN_2547610	0	0
77110	Gpbp1l1	-0.117	-0.110	-0.057	0	0	0	0	0	0	NM_029868	GC-rich promoter binding protein 1-like 1 (Gpbp1l1), mRNA.	Mme-M200013714	ILMN_1241795	0	0
14733	Gpc1	-0.064	0.024	-0.010	0	0	0	0	0	0	NM_016696	glypican 1 (Gpc1), mRNA.	Mme-M400001663	ILMN_2635784	0	0
71951	Gpc2	0.032	0.076	0.074	0	0	0	0	0	0	NM_172412	glypican 2 (cerebroglycan) (Gpc2), mRNA.	Mme-M400012222	ILMN_2696721	0	0
14734	Gpc3	0.251	0.074	0.078	0	0	0	0	0	0	NM_016697	glypican 3 (Gpc3), mRNA.	Mme-M400005249	ILMN_2719973	0	0
14735	Gpc4	0.009	0.101	-0.015	0	0	0	0	0	0	NM_008150	glypican 4 (Gpc4), mRNA.	Mme-M200000621	ILMN_1258035	0	0
103978	Gpc5	-0.407	0.233	-0.092	0	0	0	0	0	0	NM_175500	glypican 5 (Gpc5), mRNA.	Mme-M300003098	ILMN_2719860	0	0
23888	Gpc6	0.342	-0.065	-0.108	0	0	0	0	0	0	NM_011821	glypican 6 (Gpc6), transcript variant 2, mRNA.	Mme-M400014875	ILMN_2764770	0	0
74182	Gpcpd1	-0.220	-0.185	0.079	0	0	0	0	0	0	NM_028802	preimplantation protein 4 (Prei4), transcript variant 2, mRNA.	Mme-M200006133	ILMN_2484679	0	0
14555	Gpd1	0.229	0.036	-0.130	0	0	0	0	0	0	NM_010271	glycerol-3-phosphate dehydrogenase 1 (soluble) (Gpd1), mRNA.	Mme-M200002954	ILMN_2808811	0	0
333433	Gpd1l	0.041	-0.047	-0.002	0	0	0	0	0	0	NM_175380	glycerol-3-phosphate dehydrogenase 1-like (Gpd1l), mRNA.	Mme-M400012307	ILMN_2991214	0	0
14571	Gpd2	0.181	-0.107	-0.145	0	0	0	0	0	0	NM_010274	glycerol phosphate dehydrogenase 2, mitochondrial (Gpd2), nuclear gene encoding mitochondrial protein, mRN	Mme-M400011019	ILMN_1247257	0	0
76854	Gper1	0.094	-0.212	-0.149	0	0	0	0	0	0	NM_029771	G protein-coupled estrogen receptor 1 (Gper), mRNA.	Mme-M200008539	ILMN_2747135	0	0
170458	Gpha2	-0.089	0.184	-0.028	0	0	0	0	0	0	NM_130453	glycoprotein hormone alpha 2 (Gpha2), mRNA.	Mme-M200015321	ILMN_1245571	0	0
217674	Gphb5	-0.085	0.073	0.035	0	0	0	0	0	0	NM_175644	glycoprotein hormone beta 5 (Gphb5), mRNA.	Mme-M300019753	ILMN_1245716	0	0
268566	Gphn	0.024	-0.180	0.109	0	0	0	0	0	0	NM_172952	gephyrin (Gphn), mRNA.	Mme-M300018298	ILMN_1214092	0	0
14751	Gpi1	0.026	0.213	-0.050	0	0	0	0	0	0	NM_008155	glucose phosphate isomerase 1 (Gpi1), mRNA.	Mme-M200000208	ILMN_2648100	0	0
68453	Gpihbp1	0.162	-0.047	-0.144	0	0	0	0	0	0	NM_026730	GPI-anchored HDL-binding protein 1 (Gpihbp1), mRNA.	Mme-M200014482	ILMN_2614842	0	0
209416	Gpkow	0.126	0.029	-0.086	0	0	0	0	0	0	NM_173747	G patch domain and KOW motifs (Gpkow), mRNA.	Mme-M400001340	ILMN_1245453	0	0
14756	Gpld1	-0.029	-0.090	-0.037	0	0	0	0	0	0	NM_008156	glycosylphosphatidylinositol specific phospholipase D1 (Gpld1), mRNA.	Mme-M200001052	ILMN_1259182	0	0
234267	Gpm6a	0.466	0.360	0.121	0	0	0	0	0	0	NM_153581	glycoprotein m6a (Gpm6a), mRNA.	Mme-M400014566	ILMN_2705495	0	0
14758	Gpm6b	-0.079	-0.203	0.117	0	0	0	0	0	0	NM_023122	glycoprotein m6b (Gpm6b), mRNA.	Mme-M400011423	ILMN_2631345	0	0
74254	Gpn1	0.001	0.078	-0.071	0	0	0	0	0	0	NM_133756	XPA binding protein 1 (Xab1), mRNA.	Mme-M200003684	ILMN_2921749	0	0
100210	Gpn2	-0.013	-0.063	-0.084	0	0	0	0	0	0	NM_133884	ATP binding domain 1 family, member B (Atpbd1b), mRNA.	Mme-M200016284	ILMN_1214375	0	0
68080	Gpn3	0.166	-0.040	0.074	0	0	0	0	0	0	NM_024216	ATP binding domain 1 family, member C (Atpbd1c), mRNA.	Mme-M200004092	ILMN_2745005	0	0
93695	Gpnmb	-0.142	0.363	0.221	0	0	0	0	0	0	NM_053110	glycoprotein (transmembrane) nmb (Gpnmb), mRNA.	Mme-M300006890	ILMN_2614655	0	0
241070	Gpr1	-0.152	0.104	-0.059	0	0	0	0	0	0	NM_146250	G protein-coupled receptor 1 (Gpr1), mRNA.	Mme-M300017729	ILMN_1249644	0	0
245424	Gpr101	-0.236	-0.010	0.017	0	0	0	0	0	0	NM_001033360	G protein-coupled receptor 101 (Gpr101), mRNA.	Mme-M400001894	ILMN_1258301	0	0
277463	Gpr107	-0.029	0.133	0.036	0	0	0	0	0	0	NM_178760	G protein-coupled receptor 107 (Gpr107), mRNA.	Mme-M300000035	ILMN_1244835	0	0
78308	Gpr108	0.152	0.131	-0.186	0	0	0	0	0	0	NM_030084	G protein-coupled receptor 108 (Gpr108), mRNA.	Mme-M300000725	ILMN_2746811	0	0
236798	Gpr112	-0.085	-0.067	-0.096	0	0	0	0	0	0	NM_001110790	G protein-coupled receptor 112 (Gpr112), mRNA.	Mme-M400003640	ILMN_1233110	0	0
236781	Gpr119	0.000	0.003	-0.012	0	0	0	0	0	0	NM_181751	G-protein coupled receptor 119 (Gpr119), mRNA.	Mme-M300021865	ILMN_2591255	0	0
14738	Gpr12	0.279	0.095	-0.047	0	0	0	0	0	0	NM_008151	G-protein coupled receptor 12 (Gpr12), transcript variant 2, mRNA.	Mme-M200001913	ILMN_1221410	0	0
56696	Gpr132	-0.038	0.136	0.007	0	0	0	0	0	0	NM_019925	G protein-coupled receptor 132 (Gpr132), mRNA.	Mme-M200003911	ILMN_2659578	0	0
238252	Gpr135	-0.137	-0.108	0.176	0	0	0	0	0	0	NM_181752	G protein-coupled receptor 135 (Gpr135), mRNA.	Mme-M300014473	ILMN_2659724	0	0
107173	Gpr137	-0.098	-0.155	-0.095	0	0	0	0	0	0	NM_207220	G protein-coupled receptor 137 (Gpr137), mRNA.	Mme-M300004393	ILMN_2780876	0	0
83924	Gpr137b	-0.028	0.056	-0.281	0	0	0	0	0	0	NM_031999	G protein-coupled receptor 137B (Gpr137b), mRNA.	Mme-M400011728	ILMN_2426079	0	0
70713	Gpr137c	-0.236	0.021	-0.041	0	0	0	0	0	0	XM_986046	PREDICTED: RIKEN cDNA 6330416L11 gene (6330416L11Rik), mRNA.	Mme-M400003498	ILMN_1213770	0	0
209776	Gpr139	0.025	-0.054	0.055	0	0	0	0	0	0	NM_001024138	G protein-coupled receptor 139 (Gpr139), mRNA.	Mme-M400001587	ILMN_2894266	0	0
353346	Gpr141	0.226	0.383	0.031	0	0	0	0	0	0	NM_181754	G protein-coupled receptor 141 (Gpr141), mRNA.	Mme-M400004340	ILMN_2615804	0	0
217302	Gpr142	0.022	-0.045	-0.052	0	0	0	0	0	0	NM_181749	G protein-coupled receptor 142 (Gpr142), mRNA.	Mme-M300009476	ILMN_1214518	0	0
18241	Gpr143	0.147	0.032	-0.100	0	0	0	0	0	0	NM_010951	G protein-coupled receptor 143 (Gpr143), mRNA.	Mme-M400000822	ILMN_2691820	0	0
80290	Gpr146	-0.099	0.400	-0.111	0	0	0	0	0	0	NM_030258	G protein-coupled receptor 146 (Gpr146), transcript variant 1, mRNA.	Mme-M200007744	ILMN_3156208	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
229357	Gpr149	-0.288	0.026	0.041	0	0	0	0	0	0	NM_177346	G protein-coupled receptor 149 (Gpr149), mRNA.	Mme-M300014514	ILMN_3162332	0	0
71223	Gpr15	-0.040	0.043	-0.068	0	0	0	0	0	0	XM_156321	PREDICTED: G protein-coupled receptor 15 (Gpr15), mRNA.	Mme-M400003288	ILMN_1221576	0	0
238725	Gpr150	0.034	-0.166	-0.029	0	0	0	0	0	0	NM_175495	G protein-coupled receptor 150 (Gpr150), mRNA.	Mme-M300016458	ILMN_2985788	0	0
240239	Gpr151	-0.335	0.035	-0.104	0	0	0	0	0	0	NM_181543	G protein-coupled receptor 151 (Gpr151), mRNA.	Mme-M300013916	ILMN_1242331	0	0
269053	Gpr152	-0.309	-0.039	0.092	0	0	0	0	0	0	NM_206973	G protein-coupled receptor 152 (Gpr152), mRNA.	Mme-M300015723	ILMN_1240344	0	0
100129	Gpr153	-0.038	0.084	-0.033	0	0	0	0	0	0	NM_178406	G protein-coupled receptor 153 (Gpr153), mRNA.	Mme-M200004595	ILMN_2590975	0	0
68526	Gpr155	-0.031	-0.013	0.069	0	0	0	0	0	0	NM_001080707	G protein-coupled receptor 155 (Gpr155), mRNA.	Mme-M400009169	ILMN_2968183	0	0
239845	Gpr156	0.075	-0.100	0.047	0	0	0	0	0	0	NM_153394	G protein-coupled receptor 156 (Gpr156), mRNA.	Mme-M300017827	ILMN_1220124	0	0
269604	Gpr157	-0.202	0.026	0.010	0	0	0	0	0	0	NM_177366	G protein-coupled receptor 157 (Gpr157), mRNA.	Mme-M300018698	ILMN_2673355	0	0
241263	Gpr158	-0.085	-0.053	-0.094	0	0	0	0	0	0	NM_001004761	G protein-coupled receptor 158 (Gpr158), mRNA.	Mme-M300016886	ILMN_1227221	0	0
240888	Gpr161	-0.171	0.091	0.025	0	0	0	0	0	0	NM_001081126	G protein-coupled receptor 161 (Gpr161), mRNA.	Mme-M400002442	ILMN_3096982	0	0
14788	Gpr162	0.262	0.338	-0.112	0	0	0	0	0	0	NM_013533	G protein-coupled receptor 162 (Gpr162), mRNA.	Mme-M200000944	ILMN_2984942	0	0
76206	Gpr165	-0.018	0.043	-0.057	0	0	0	0	0	0	NM_029536	G protein-coupled receptor 165 (Gpr165), mRNA.	Mme-M200011155	ILMN_2743974	0	0
574402	Gpr17	-0.109	0.320	0.081	0	0	0	0	0	0	NM_001025381	G protein-coupled receptor 17 (Gpr17), mRNA.	Mme-M300020359	ILMN_3160970	0	0
229323	Gpr171	-0.294	0.296	0.262	0	0	0	0	0	0	NM_173398	G protein-coupled receptor 171 (Gpr171), mRNA.	Mme-M300020786	ILMN_1256824	0	0
70771	Gpr173	-0.217	0.031	0.024	0	0	0	0	0	0	NM_027543	G-protein coupled receptor 173 (Gpr173), mRNA.	Mme-M400005590	ILMN_1256819	0	0
213439	Gpr174	-0.277	0.195	0.113	0	0	0	0	0	0	NM_001033251	G protein-coupled receptor 174 (Gpr174), mRNA.	Mme-M400004249	ILMN_2836855	0	0
381413	Gpr176	0.026	-0.215	-0.031	0	0	0	0	0	0	NM_201367	G protein-coupled receptor 176 (Gpr176), mRNA.	Mme-M300012529	ILMN_2742912	0	0
110168	Gpr18	0.065	0.580	0.247	0	1	0	0	1	0	NM_182806	G protein-coupled receptor 18 (Gpr18), mRNA.	Mme-M300021051	ILMN_1213809	1	0
58245	Gpr180	0.315	-0.154	-0.072	0	0	0	0	0	0	NM_021434	G protein-coupled receptor 180 (Gpr180), mRNA.	Mme-M200009418	ILMN_3161518	0	0
11536	Gpr182	0.184	-0.334	-0.077	0	0	0	0	0	0	NM_007412	G protein-coupled receptor 182 (Gpr182), mRNA.	Mme-M400010720	ILMN_1213615	0	0
321019	Gpr183	0.147	0.173	0.102	0	0	0	0	0	0	NM_183031	Epstein-Barr virus induced gene 2 (Ebi2), mRNA.	Mme-M300021868	ILMN_1220101	0	0
14760	Gpr19	0.203	-0.064	-0.038	0	0	0	0	0	0	NM_008157	G protein-coupled receptor 19 (Gpr19), mRNA.	Mme-M200001954	ILMN_1257801	0	0
239530	Gpr20	-0.060	-0.164	0.042	0	0	0	0	0	0	NM_173365	G protein-coupled receptor 20 (Gpr20), mRNA.	Mme-M300016250	ILMN_2621667	0	0
338346	Gpr21	-0.207	-0.052	-0.014	0	0	0	0	0	0	NM_177383	G protein-coupled receptor 21 (Gpr21), mRNA.	Mme-M400004362	ILMN_1246464	0	0
73010	Gpr22	0.153	-0.035	-0.158	0	0	0	0	0	0	NM_175191	G protein-coupled receptor 22 (Gpr22), mRNA.	Mme-M300015114	ILMN_2658266	0	0
233919	Gpr26	-0.085	0.009	0.014	0	0	0	0	0	0	NM_173410	G protein-coupled receptor 26 (Gpr26), mRNA.	Mme-M300012524	ILMN_1217361	0	0
14761	Gpr27	-0.039	-0.232	-0.221	0	0	0	0	0	0	NM_008158	G protein-coupled receptor 27 (Gpr27), mRNA.	Mme-M400001806	ILMN_3149700	0	0
14748	Gpr3	0.058	-0.057	0.073	0	0	0	0	0	0	NM_008154	G-protein coupled receptor 3 (Gpr3), mRNA.	Mme-M400003586	ILMN_2678530	0	0
14762	Gpr33	-0.060	0.166	-0.003	0	0	0	0	0	0	NM_008159	G protein-coupled receptor 33 (Gpr33), mRNA.	Mme-M200003171	ILMN_2862316	0	0
23890	Gpr34	0.153	0.134	0.137	0	0	0	0	0	0	NM_011823	G protein-coupled receptor 34 (Gpr34), mRNA.	Mme-M200016060	ILMN_1237817	0	0
64095	Gpr35	-0.102	0.131	-0.047	0	0	0	0	0	0	NM_001104529	G protein-coupled receptor 35 (Gpr35), transcript variant 2, mRNA.	Mme-M200009644	ILMN_2940487	0	0
171469	Gpr37l1	-0.037	0.238	0.186	0	0	0	0	0	0	NM_134438	G protein-coupled receptor 37-like 1 (Gpr37l1), mRNA.	Mme-M200003150	ILMN_2620545	0	0
319197	Gpr4	0.277	0.081	0.060	0	0	0	0	0	0	NM_175668	G protein-coupled receptor 4 (Gpr4), mRNA.	Mme-M300015342	ILMN_2878636	0	0
93690	Gpr45	-0.182	0.116	-0.005	0	0	0	0	0	0	NM_053107	G protein-coupled receptor 45 (Gpr45), mRNA.	Mme-M200013254	ILMN_1228145	0	0
14765	Gpr50	-0.231	0.004	-0.030	0	0	0	0	0	0	NM_010340	G-protein coupled receptor 50 (Gpr50), mRNA.	Mme-M400005489	ILMN_2618394	0	0
227326	Gpr55	-0.394	0.016	-0.033	0	0	0	0	0	0	NM_001033290	G protein-coupled receptor 55 (Gpr55), mRNA.	Mme-M400003581	ILMN_2526309	0	0
140741	Gpr6	-0.308	0.069	0.099	0	0	0	0	0	0	NM_199058	G protein-coupled receptor 6 (Gpr6), mRNA.	Mme-M300017790	ILMN_2592996	0	0
229714	Gpr61	-0.295	0.007	0.078	0	0	0	0	0	0	NM_175470	G protein-coupled receptor 61 (Gpr61), mRNA.	Mme-M300017669	ILMN_1254930	0	0
81006	Gpr63	-0.252	-0.068	0.045	0	0	0	0	0	0	NM_030733	G protein-coupled receptor 63 (Gpr63), mRNA.	Mme-M200011583	ILMN_2750800	0	0
237175	Gpr64	-0.152	-0.068	0.123	0	0	0	0	0	0	NM_001079848	G protein-coupled receptor 64 (Gpr64), transcript variant 4, mRNA.	Mme-M400001357	ILMN_3113571	0	0
14744	Gpr65	-0.180	0.170	0.325	0	0	1	0	0	0	NM_008152	G-protein coupled receptor 65 (Gpr65), mRNA.	Mme-M200001080	ILMN_2693991	0	0
238377	Gpr68	-0.047	0.179	-0.147	0	0	0	0	0	0	NM_175493	G protein-coupled receptor 68 (Gpr68), mRNA.	Mme-M300018261	ILMN_2732996	0	0
237716	Gpr75	0.154	0.026	0.100	0	0	0	0	0	0	NM_175490	G protein-coupled receptor 75 (Gpr75), mRNA.	Mme-M300015050	ILMN_3161775	0	0
319200	Gpr82	-0.002	-0.026	-0.038	0	0	0	0	0	0	NM_175669	G protein-coupled receptor 82 (Gpr82), mRNA.	Mme-M300018514	ILMN_1238020	0	0
14608	Gpr83	-0.048	0.139	0.077	0	0	0	0	0	0	NM_010287	G protein-coupled receptor 83 (Gpr83), mRNA.	Mme-M200001879	ILMN_2707941	0	0
80910	Gpr84	0.126	0.470	0.213	0	1	0	0	0	0	NM_030720	G protein-coupled receptor 84 (Gpr84), mRNA.	Mme-M300017944	ILMN_2991255	0	0
64450	Gpr85	-0.366	-0.096	0.076	0	0	0	0	0	0	NM_145066	G protein-coupled receptor 85 (Gpr85), mRNA.	Mme-M200014029	ILMN_1216302	0	0
84111	Gpr87	-0.061	0.004	0.009	0	0	0	0	0	0	NM_032399	G protein-coupled receptor 87 (Gpr87), mRNA.	Mme-M200015056	ILMN_2802874	0	0
64378	Gpr88	0.175	0.091	0.045	0	0	0	0	0	0	NM_022427	G-protein coupled receptor 88 (Gpr88), mRNA.	Mme-M400011413	ILMN_1215624	0	0
67549	Gpr89	-0.075	0.058	-0.071	0	0	0	0	0	0	NM_026229	G protein-coupled receptor 89 (Gpr89), mRNA.	Mme-M200014591	ILMN_2672544	0	0
110789	Gpr98	-0.084	0.034	0.083	0	0	0	0	0	0	NM_054053	G protein-coupled receptor 98 (Gpr98), mRNA.	Mme-M300002807	ILMN_1257597	0	0
67298	Gprasp1	-0.195	0.157	-0.083	0	0	0	0	0	0	NM_001005385	G protein-coupled receptor associated sorting protein 1 (Gprasp1), transcript variant 3, mRNA.	Mme-M300019646	ILMN_1224770	0	0
232431	Gprc5a	-0.167	-0.047	0.014	0	0	0	0	0	0	NM_181444	G protein-coupled receptor, family C, group 5, member A (Gprc5a), mRNA.	Mme-M400003201	ILMN_2854943	0	0
64297	Gprc5b	-0.096	-0.208	0.012	0	0	0	0	0	0	NM_022420	G protein-coupled receptor, family C, group 5, member B (Gprc5b), mRNA.	Mme-M200008522	ILMN_2974506	0	0
70355	Gprc5c	-0.223	-0.031	-0.113	0	0	0	0	0	0	NM_001110338	G protein-coupled receptor, family C, group 5, member C (Gprc5c), transcript variant 3, mRNA.	Mme-M200005249	ILMN_2659269	0	0
210198	Gprc6a	-0.295	-0.036	-0.021	0	0	0	0	0	0	NM_153071	G protein-coupled receptor, family C, group 6, member A (Gprc6a), mRNA.	Mme-M300001889	ILMN_2588955	0	0
26913	Gprin1	0.288	0.145	-0.238	0	0	0	0	0	0	NM_012014	G protein-regulated inducer of neurite outgrowth 1 (Gprin1), mRNA.	Mme-M400011187	ILMN_2738123	0	0
432839	Gprin2	-0.088	-0.027	-0.033	0	0	0	0	0	0	XM_138975	PREDICTED: G protein regulated inducer of neurite outgrowth 2 (Gprin2), mRNA.	Mme-M400007864	ILMN_1246116	0	0
243385	Gprin3	0.115	-0.051	0.064	0	0	0	0	0	0	NM_183183	GPRIN family member 3 (Gprin3), mRNA.	Mme-M300016398	ILMN_3005781	0	0
209318	Gps1	0.183	-0.083	0.040	0	0	0	0	0	0	NM_145370	G protein pathway suppressor 1 (Gps1), mRNA.	Mme-M300004497	ILMN_2601090	0	0
56310	Gps2	0.081	0.063	-0.095	0	0	0	0	0	0	NM_019726	G protein pathway suppressor 2 (Gps2), mRNA.	Mme-M200003570	ILMN_2730784	0	0
67839	Gpsm1	-0.069	0.135	-0.089	0	0	0	0	0	0	NM_153410	G-protein signalling modulator 1 (AGS3-like, C. elegans) (Gpsm1), mRNA.	Mme-M300005387	ILMN_2967622	0	0
76123	Gpsm2	0.119	-0.105	0.069	0	0	0	0	0	0	NM_029522	G-protein signalling modulator 2 (AGS3-like, C. elegans) (Gpsm2), mRNA.	Mme-M200007501	ILMN_2882235	0	0
106512	Gpsm3	0.089	0.179	-0.027	0	0	0	0	0	0	NM_134116	G-protein signalling modulator 3 (AGS3-like, C. elegans) (Gpsm3), mRNA.	Mme-M300009541	ILMN_1222256	0	0
76282	Gpt	0.261	-0.413	-0.079	0	0	0	0	0	0	NM_182805	glutamic pyruvic transaminase, soluble (Gpt), mRNA.	Mme-M300003363	ILMN_2832524	0	0
108682	Gpt2	0.093	-0.034	0.115	0	0	0	0	0	0	NM_173866	glutamic pyruvate transaminase (alanine aminotransferase) 2 (Gpt2), mRNA.	Mme-M300007854	ILMN_1234702	0	0
14776	Gpx2	-0.076	0.124	-0.017	0	0	0	0	0	0	NM_030677	glutathione peroxidase 2 (Gpx2), mRNA.	Mme-M300008751	ILMN_2674483	0	0
14778	Gpx3	1.037	0.404	-0.444	1	0	-1	1	0	-1	NM_008161	glutathione peroxidase 3 (Gpx3), transcript variant 2, mRNA.	Mme-M200002493	ILMN_2715546	1	1
625249	Gpx4	0.162	-0.116	-0.138	0	0	0	0	0	0	NM_008162	glutathione peroxidase 4 (Gpx4), transcript variant 2, mRNA.	Mme-M400010799	ILMN_2684855	0	0
14780	Gpx5	-0.228	-0.129	0.063	0	0	0	0	0	0	NM_010343	glutathione peroxidase 5 (Gpx5), mRNA.	Mme-M400011024	ILMN_2902167	0	0
75512	Gpx6	-0.279	-0.349	-0.016	0	0	0	0	0	0	NM_145451	glutathione peroxidase 6 (Gpx6), mRNA.	Mme-M200014432	ILMN_2769507	0	0
67305	Gpx7	0.341	0.083	-0.259	0	0	0	0	0	0	NM_024198	glutathione peroxidase 7 (Gpx7), mRNA.	Mme-M200003823	ILMN_2724294	0	0
69590	Gpx8	0.143	0.333	-0.026	0	0	0	0	0	0	NM_027127	RIKEN cDNA 2310016C16 gene (2310016C16Rik), mRNA.	Mme-M200003114	ILMN_2625854	0	0
52857	Gramd1a	0.118	0.083	0.148	0	0	0	0	0	0	NM_027898	GRAM domain containing 1A (Gramd1a), mRNA.	Mme-M200005525	ILMN_2756438	0	0
235283	Gramd1b	-0.104	-0.295	0.080	0	0	0	0	0	0	NM_172768	GRAM domain containing 1B (Gramd1b), mRNA.	Mme-M300012519	ILMN_2646411	0	0
207798	Gramd1c	-0.358	-0.005	-0.012	0	0	0	0	0	0	NM_153528	GRAM domain containing 1C (Gramd1c), mRNA.	Mme-M300010317	ILMN_2616382	0	0
546134	Gramd2	0.096	-0.009	-0.026	0	0	0	0	0	0	NM_001033498	GRAM domain containing 2 (Gramd2), mRNA.	Mme-M300020990	ILMN_2898777	0	0
107022	Gramd3	0.039	0.208	0.282	0	0	0	0	0	0	NM_026240	GRAM domain containing 3 (Gramd3), mRNA.	Mme-M200004872	ILMN_2662192	0	0
223752	Gramd4	-0.025	0.017	0.080	0	0	0	0	0	0	NM_172611	GRAM domain containing 4 (Gramd4), mRNA.	Mme-M300010136	ILMN_1243615	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
71520	Grap	0.028	0.004	0.070	0	0	0	0	0	0	NM_027817	GRB2-related adaptor protein (Grap), mRNA.	Mme-M200013013	ILMN_2617656	0	0
17444	Grap2	-0.067	0.102	-0.058	0	0	0	0	0	0	NM_010815	GRB2-related adaptor protein 2 (Grap2), mRNA.	Mme-M400016249	ILMN_3113787	0	0
56149	Grasp	-0.399	-0.104	0.096	0	0	0	0	0	0	NM_019518	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein (Grasp), mRNA.	Mme-M200008845	ILMN_2656031	0	0
14783	Grb10	0.167	0.132	0.041	0	0	0	0	0	0	NM_010345	growth factor receptor bound protein 10 (Grb10), mRNA.	Mme-M300002044	ILMN_2546546	0	0
50915	Grb14	0.014	-0.057	0.116	0	0	0	0	0	0	NM_016719	growth factor receptor bound protein 14 (Grb14), mRNA.	Mme-M200007418	ILMN_2625280	0	0
14784	Grb2	0.085	0.016	-0.117	0	0	0	0	0	0	NM_008163	growth factor receptor bound protein 2 (Grb2), mRNA.	Mme-M300002374	ILMN_2995537	0	0
14786	Grb7	-0.335	-0.478	-0.296	0	-1	0	0	0	0	NM_010346	growth factor receptor bound protein 7 (Grb7), mRNA.	Mme-M200003508	ILMN_2773169	0	0
14790	Grcc10	0.035	-0.041	-0.115	0	0	0	0	0	0	NM_013535	gene rich cluster, C10 gene (Grcc10), mRNA.	Mme-M300000538	ILMN_2722678	0	0
268527	Greb1	0.208	-0.100	-0.239	0	0	0	0	0	0	NM_015764	gene regulated by estrogen in breast cancer protein (Greb1), mRNA.	Mme-M200008861	ILMN_2433318	0	0
381157	Greb1l	-0.181	0.078	-0.046	0	0	0	0	0	0	NM_001083628	cDNA sequence AK220484 (AK220484), mRNA.	Mme-M400002686	ILMN_1234439	0	0
23892	Grem1	-0.184	0.009	0.076	0	0	0	0	0	0	NM_011824	gremlin 1 (Grem1), mRNA.	Mme-M300018753	ILMN_1228522	0	0
23893	Grem2	-0.037	-0.006	0.050	0	0	0	0	0	0	NM_011825	gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis) (Grem2), mRNA.	Mme-M200005192	ILMN_2610565	0	0
195733	Grhl1	0.091	-0.113	-0.095	0	0	0	0	0	0	NM_145890	grainyhead-like 1 (Drosophila) (Grhl1), mRNA.	Mme-M400000403	ILMN_2727118	0	0
252973	Grhl2	-0.185	-0.123	0.004	0	0	0	0	0	0	NM_026496	grainyhead-like 2 (Drosophila) (Grhl2), mRNA.	Mme-M200015975	ILMN_1257070	0	0
230824	Grhl3	-0.172	-0.054	-0.055	0	0	0	0	0	0	NM_001013756	grainyhead-like 3 (Drosophila) (Grhl3), mRNA.	Mme-M300010794	ILMN_2971031	0	0
76238	Grhpr	-0.043	-0.027	-0.125	0	0	0	0	0	0	NM_080289	glyoxylate reductase/hydroxypyruvate reductase (Grhpr), mRNA.	Mme-M200012706	ILMN_2697693	0	0
14799	Gria1	0.291	0.657	-0.157	0	1	0	0	1	0	NM_008165	glutamate receptor, ionotropic, AMPA1 (alpha 1) (Gria1), transcript variant 2, mRNA.	Mme-M200002033	ILMN_1221295	1	0
14800	Gria2	0.316	0.382	0.156	0	0	0	0	0	0	NM_013540	glutamate receptor, ionotropic, AMPA2 (alpha 2) (Gria2), transcript variant 2, mRNA.	Mme-M400001627	ILMN_2680737	0	0
53623	Gria3	0.432	0.064	0.118	0	0	0	0	0	0	NM_016886	glutamate receptor, ionotropic, AMPA3 (alpha 3) (Gria3), mRNA.	Mme-M400016352	ILMN_1223636	0	0
14802	Gria4	-0.218	-0.048	-0.114	0	0	0	0	0	0	NM_019691	glutamate receptor, ionotropic, AMPA4 (alpha 4) (Gria4), transcript variant 1, mRNA.	Mme-M200013838	ILMN_2663423	0	0
14804	Grid2	-0.166	0.013	-0.026	0	0	0	0	0	0	NM_008167	glutamate receptor, ionotropic, delta 2 (Grid2), mRNA.	Mme-M400005674	ILMN_2631224	0	0
170935	Grid2ip	-0.145	-0.017	-0.104	0	0	0	0	0	0	NM_133355	glutamate receptor, ionotropic, delta 2 (Grid2) interacting protein 1 (Grid2ip), mRNA.	Mme-M200012794	ILMN_2765510	0	0
77998	Grifin	0.065	0.007	-0.079	0	0	0	0	0	0	NM_030022	galectin-related inter-fiber protein (Grifin), mRNA.	Mme-M200011416	ILMN_2676543	0	0
14805	Grik1	0.021	0.050	0.068	0	0	0	0	0	0	NM_146072	glutamate receptor, ionotropic, kainate 1 (Grik1), transcript variant 1, mRNA.	Mme-M400009006	ILMN_3067105	0	0
14806	Grik2	-0.067	0.213	0.006	0	0	0	0	0	0	NM_001111268	glutamate receptor, ionotropic, kainate 2 (beta 2) (Grik2), transcript variant 1, mRNA.	Mme-M400005395	ILMN_1244418	0	0
14807	Grik3	-0.081	-0.026	0.014	0	0	0	0	0	0	NM_001081097	glutamate receptor, ionotropic, kainate 3 (Grik3), mRNA.	Mme-M400017945	ILMN_2619640	0	0
110637	Grik4	-0.126	-0.073	-0.134	0	0	0	0	0	0	NM_175481	glutamate receptor, ionotropic, kainate 4 (Grik4), mRNA.	Mme-M300008025	ILMN_1232802	0	0
14809	Grik5	0.065	0.075	-0.093	0	0	0	0	0	0	NM_008168	glutamate receptor, ionotropic, kainate 5 (gamma 2) (Grik5), mRNA.	Mme-M300000414	ILMN_2483633	0	0
14810	Grin1	0.155	0.027	0.104	0	0	0	0	0	0	NM_008169	glutamate receptor, ionotropic, NMDA1 (zeta 1) (Grin1), mRNA.	Mme-M200001271	ILMN_1253164	0	0
14811	Grin2a	0.364	-0.012	0.012	0	0	0	0	0	0	NM_008170	glutamate receptor, ionotropic, NMDA2A (epsilon 1) (Grin2a), mRNA.	Mme-M400006584	ILMN_2623457	0	0
14812	Grin2b	0.612	0.714	0.041	0	1	0	0	1	0	NM_008171	glutamate receptor, ionotropic, NMDA2B (epsilon 2) (Grin2b), mRNA.	Mme-M300007074	ILMN_2547237	1	0
14813	Grin2c	-0.314	-0.082	0.000	0	0	0	0	0	0	NM_010350	glutamate receptor, ionotropic, NMDA2C (epsilon 3) (Grin2c), mRNA.	Mme-M300002368	ILMN_2757484	0	0
14814	Grin2d	-0.329	-0.026	-0.090	0	0	0	0	0	0	NM_008172	glutamate receptor, ionotropic, NMDA2D (epsilon 4) (Grin2d), mRNA.	Mme-M300000333	ILMN_2710382	0	0
170483	Grin3b	0.076	0.072	-0.059	0	0	0	0	0	0	NM_130455	glutamate receptor, ionotropic, NMDA3B (Grin3b), mRNA.	Mme-M200006486	ILMN_1229979	0	0
66168	Grina	-0.124	-0.065	-0.024	0	0	0	0	0	0	NM_023168	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding) (Grina), mRNA.	Mme-M200013696	ILMN_2588411	0	0
74053	Grip1	0.014	-0.149	0.120	0	0	0	0	0	0	NM_133442	glutamate receptor interacting protein 1 (Grip1), transcript variant 3, mRNA.	Mme-M400008732	ILMN_2685318	0	0
243547	Grip2	0.136	0.128	0.092	0	0	0	0	0	0	XM_979116	PREDICTED: glutamate receptor interacting protein 2 (Grip2), mRNA.	Mme-M400001220	ILMN_1236926	0	0
54645	Gripap1	0.049	0.244	-0.145	0	0	0	0	0	0	NM_207670	GRIP1 associated protein 1 (Gripap1), mRNA.	Mme-M300007584	ILMN_2893187	0	0
24013	Grk1	-0.063	0.116	-0.023	0	0	0	0	0	0	NM_011881	G protein-coupled receptor kinase 1 (Grk1), mRNA.	Mme-M200016061	ILMN_1260000	0	0
14772	Grk4	-0.166	0.081	-0.124	0	0	0	0	0	0	NM_019497	G protein-coupled receptor kinase 4 (Grk4), transcript variant 1, mRNA.	Mme-M300006493	ILMN_3095328	0	0
14773	Grk5	-0.048	-0.054	0.125	0	0	0	0	0	0	NM_018869	G protein-coupled receptor kinase 5 (Grk5), mRNA.	Mme-M200002891	ILMN_2637571	0	0
26385	Grk6	0.006	0.081	-0.009	0	0	0	0	0	0	NM_011938	G protein-coupled receptor kinase 6 (Grk6), transcript variant 2, mRNA.	Mme-M400003993	ILMN_3086889	0	0
14816	Grm1	0.049	0.243	0.029	0	0	0	0	0	0	NM_016976	glutamate receptor, metabotropic 1 (Grm1), transcript variant 1, mRNA.	Mme-M200009961	ILMN_2665238	0	0
108069	Grm3	0.617	-0.019	-0.032	0	0	0	0	0	0	NM_181850	glutamate receptor, metabotropic 3 (Grm3), mRNA.	Mme-M200014338	ILMN_1238513	0	0
268934	Grm4	-0.353	-0.007	-0.105	0	0	0	0	0	0	NM_001013385	glutamate receptor, metabotropic 4 (Grm4), mRNA.	Mme-M400008164	ILMN_3162152	0	0
108071	Grm5	0.339	0.227	0.107	0	0	0	0	0	0	NM_001081414	glutamate receptor, metabotropic 5 (Grm5), mRNA.	Mme-M400006268	ILMN_1242601	0	0
108073	Grm7	-0.122	-0.162	-0.051	0	0	0	0	0	0	NM_177328	glutamate receptor, metabotropic 7 (Grm7), mRNA.	Mme-M400005624	ILMN_1247084	0	0
14823	Grm8	-0.247	0.077	-0.072	0	0	0	0	0	0	NM_008174	glutamate receptor, metabotropic 8 (Grm8), mRNA.	Mme-M400008313	ILMN_1220385	0	0
14824	Grn	0.176	0.135	0.029	0	0	0	0	0	0	NM_008175	granulin (Grn), mRNA.	Mme-M200000636	ILMN_2595973	0	0
225642	Grp	0.114	0.078	-0.071	0	0	0	0	0	0	NM_175012	gastrin releasing peptide (Grp), mRNA.	Mme-M300004186	ILMN_2671608	0	0
17713	Grpel1	0.179	0.142	-0.175	0	0	0	0	0	0	NM_024478	GrpE-like 1, mitochondrial (Grpel1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004153	ILMN_2945806	0	0
17714	Grpel2	0.090	-0.020	-0.003	0	0	0	0	0	0	NM_021296	GrpE-like 2, mitochondrial (Grpel2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400009092	ILMN_2732092	0	0
14829	Grpr	0.080	-0.060	0.117	0	0	0	0	0	0	NM_008177	gastrin releasing peptide receptor (Grpr), mRNA.	Mme-M200001890	ILMN_2735717	0	0
72690	Grrp1	0.025	-0.049	-0.109	0	0	0	0	0	0	NM_001099296	glycine/arginine rich protein 1 (Grrp1), mRNA.	Mme-M200008377	ILMN_2705440	0	0
231413	Grsf1	0.109	-0.180	0.054	0	0	0	0	0	0	NM_001098476	G-rich RNA sequence binding factor 1 (Grsf1), transcript variant 2, mRNA.	Mme-M300015250	ILMN_2608602	0	0
66790	Grtp1	-0.253	-0.069	-0.004	0	0	0	0	0	0	NM_025768	GH regulated TBC protein 1 (Grtp1), mRNA.	Mme-M300011595	ILMN_2737940	0	0
101612	Grwd1	-0.219	0.202	-0.115	0	0	0	0	0	0	NM_153419	glutamate-rich WD repeat containing 1 (Grwd1), mRNA.	Mme-M400004593	ILMN_2815889	0	0
14836	Gsc	-0.014	-0.063	-0.082	0	0	0	0	0	0	NM_010351	goosecoid homeobox (Gsc), mRNA.	Mme-M200000041	ILMN_1232648	0	0
57911	Gsdma	-0.113	0.053	0.006	0	0	0	0	0	0	NM_021347	gasdermin A1 (Gsdma1), mRNA.	Mme-M200015780	ILMN_1213351	0	0
76758	Gsdma2	-0.205	-0.012	0.004	0	0	0	0	0	0	NM_029727	gasdermin A2 (Gsdma2), mRNA.	Mme-M300001560	ILMN_2612219	0	0
450219	Gsdma3	-0.387	-0.007	-0.063	0	0	0	0	0	0	NM_001007461	gasdermin A3 (Gsdma3), mRNA.	Mme-M400008603	ILMN_3161407	0	0
83492	Gsdmc	-0.013	-0.134	0.043	0	0	0	0	0	0	NM_031378	gasdermin C1 (Gsdmc1), mRNA.	Mme-M400005282	ILMN_1257797	0	0
331063	Gsdmc2	-0.181	0.184	-0.055	0	0	0	0	0	0	NM_177912	gasdermin C2 (Gsdmc2), mRNA.	Mme-M400005311	ILMN_3040543	0	0
69146	Gsdmd	0.286	0.541	0.311	0	1	1	0	0	0	NM_026960	gasdermin D (Gsdmd), mRNA.	Mme-M200005533	ILMN_2941324	0	0
382034	Gse1	-0.274	0.108	-0.150	0	0	0	0	0	0	NM_198671	genetic suppressor element 1 (Gse1), mRNA.	Mme-M300007918	ILMN_2937674	0	0
14840	Gsg1	-0.397	-0.151	-0.063	0	0	0	0	0	0	NM_001080552	germ cell-specific gene 1 (Gsg1), transcript variant 1, mRNA.	Mme-M200005438	ILMN_3119043	0	0
269994	Gsg1l	-0.205	-0.086	-0.057	0	0	0	0	0	0	NM_001101488	GSG1-like (Gsg1l), mRNA.	Mme-M300017104	ILMN_2462901	0	0
14841	Gsg2	0.195	0.186	0.261	0	0	0	0	0	0	NM_010353	germ cell-specific gene 2 (Gsg2), mRNA.	Mme-M400003648	ILMN_1235363	0	0
606496	Gsk3a	0.220	0.008	0.109	0	0	0	0	0	0	NM_001031667	glycogen synthase kinase 3 alpha (Gsk3a), mRNA.	Mme-M400005804	ILMN_3160897	0	0
56637	Gsk3b	0.141	0.131	-0.660	0	0	-1	0	0	-1	NM_019827	glycogen synthase kinase 3 beta (Gsk3b), mRNA.	Mme-M300003521	ILMN_2551852	0	1
66787	Gskip	-0.062	0.201	0.145	0	0	0	0	0	0	NM_178613	RIKEN cDNA 4933433P14 gene (4933433P14Rik), mRNA.	Mme-M300015714	ILMN_2551506	0	0
227753	Gsn	0.394	0.138	-0.043	0	0	0	0	0	0	NM_146120	gelsolin (Gsn), mRNA.	Mme-M200004057	ILMN_2679386	0	0
14853	Gspt2	-0.136	0.061	-0.034	0	0	0	0	0	0	NM_008179	G1 to S phase transition 2 (Gspt2), mRNA.	Mme-M400010800	ILMN_2671253	0	0
14782	Gsr	0.184	-0.121	0.121	0	0	0	0	0	0	NM_010344	glutathione reductase (Gsr), mRNA.	Mme-M200003853	ILMN_1214396	0	0
14854	Gss	-0.040	-0.040	-0.128	0	0	0	0	0	0	NM_008180	glutathione synthetase (Gss), mRNA.	Mme-M200002558	ILMN_2667909	0	0
14857	Gsta1	-0.318	-0.326	-0.032	0	0	0	0	0	0	NM_008181	glutathione S-transferase, alpha 1 (Ya) (Gsta1), mRNA.	Mme-M400002209	ILMN_1231997	0	0
14858	Gsta2	-0.068	-0.145	-0.047	0	0	0	0	0	0	NM_008182	glutathione S-transferase, alpha 2 (Yc2) (Gsta2), mRNA.	Mme-M400006126	ILMN_1248849	0	0
14859	Gsta3	0.066	-0.478	-0.046	0	-1	0	0	0	0	NM_010356	glutathione S-transferase, alpha 3 (Gsta3), transcript variant 2, mRNA.	Mme-M200003336	ILMN_1241437	0	0
14860	Gsta4	0.150	0.004	0.005	0	0	0	0	0	0	NM_010357	glutathione S-transferase, alpha 4 (Gsta4), mRNA.	Mme-M200001016	ILMN_2892441	0	0
76263	Gstk1	-0.241	-0.327	-0.189	0	0	0	0	0	0	NM_029555	glutathione S-transferase kappa 1 (Gstk1), mRNA.	Mme-M200005538	ILMN_2792924	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14862	Gstm1	0.462	-0.080	-0.103	0	0	0	0	0	0	NM_010358	glutathione S-transferase, mu 1 (Gstm1), mRNA.	Mme-M200000761	ILMN_1228233	0	0
14863	Gstm2	0.378	0.107	-0.186	0	0	0	0	0	0	NM_008183	glutathione S-transferase, mu 2 (Gstm2), mRNA.	Mme-M200003330	ILMN_2862470	0	0
14864	Gstm3	0.333	0.019	-0.010	0	0	0	0	0	0	NM_010359	glutathione S-transferase, mu 3 (Gstm3), mRNA.	Mme-M400000081	ILMN_1216149	0	0
14865	Gstm4	0.082	-0.009	-0.029	0	0	0	0	0	0	NM_026764	glutathione S-transferase, mu 4 (Gstm4), mRNA.	Mme-M300005829	ILMN_1214964	0	0
14866	Gstm5	0.161	0.078	-0.138	0	0	0	0	0	0	NM_010360	glutathione S-transferase, mu 5 (Gstm5), mRNA.	Mme-M300000499	ILMN_2705777	0	0
14867	Gstm6	-0.283	0.152	-0.129	0	0	0	0	0	0	NM_008184	glutathione S-transferase, mu 6 (Gstm6), mRNA.	Mme-M300012728	ILMN_1246321	0	0
68312	Gstm7	0.051	-0.041	0.059	0	0	0	0	0	0	NM_026672	glutathione S-transferase, mu 7 (Gstm7), mRNA.	Mme-M300000500	ILMN_2735294	0	0
14873	Gsto1	0.034	-0.055	-0.109	0	0	0	0	0	0	NM_010362	glutathione S-transferase omega 1 (Gsto1), mRNA.	Mme-M200000102	ILMN_1254523	0	0
68214	Gsto2	0.017	-0.060	-0.026	0	0	0	0	0	0	NM_026619	glutathione S-transferase omega 2 (Gsto2), mRNA.	Mme-M300004462	ILMN_2938904	0	0
14870	Gstp1	0.286	0.098	-0.121	0	0	0	0	0	0	NM_013541	glutathione S-transferase, pi 1 (Gstp1), mRNA.	Mme-M400009108	ILMN_2677046	0	0
14869	Gstp2	0.022	0.304	-0.043	0	0	0	0	0	0	NM_181796	glutathione S-transferase, pi 2 (Gstp2), mRNA.	Mme-M400002100	ILMN_2917386	0	0
14871	Gstt1	0.080	0.133	-0.017	0	0	0	0	0	0	NM_008185	glutathione S-transferase, theta 1 (Gstt1), mRNA.	Mme-M300000220	ILMN_2680533	0	0
14872	Gstt2	-0.335	-0.037	0.049	0	0	0	0	0	0	NM_010361	glutathione S-transferase, theta 2 (Gstt2), mRNA.	Mme-M200004794	ILMN_2689880	0	0
103140	Gstt3	0.078	-0.232	0.010	0	0	0	0	0	0	NM_133994	glutathione S-transferase, theta 3 (Gstt3), mRNA.	Mme-M200005103	ILMN_2665715	0	0
75886	Gstt4	-0.171	0.029	-0.106	0	0	0	0	0	0	NM_029472	glutathione S-transferase, theta 4 (Gstt4), mRNA.	Mme-M200007386	ILMN_1217133	0	0
14874	Gstz1	0.110	0.019	-0.116	0	0	0	0	0	0	NM_010363	glutathione transferase zeta 1 (maleylacetoacetate isomerase) (Gstz1), mRNA.	Mme-M200006586	ILMN_1229964	0	0
14842	Gsx1	-0.068	0.134	0.019	0	0	0	0	0	0	NM_008178	GS homeobox 1 (Gsx1), mRNA.	Mme-M400004352	ILMN_2635818	0	0
14843	Gsx2	-0.033	-0.069	0.102	0	0	0	0	0	0	NM_133256	GS homeobox 2 (Gsx2), mRNA.	Mme-M300010164	ILMN_2759177	0	0
227835	Gtdc1	0.167	-0.063	0.018	0	0	0	0	0	0	NM_172662	glycosyltransferase-like domain containing 1 (Gtdc1), mRNA.	Mme-M300010605	ILMN_3003518	0	0
83602	Gtf2a1	-0.052	-0.167	-0.055	0	0	0	0	0	0	NM_175335	general transcription factor II A, 1 (Gtf2a1), transcript variant 2, mRNA.	Mme-M300002488	ILMN_1236560	0	0
71828	Gtf2a1l	0.006	0.040	-0.002	0	0	0	0	0	0	NM_023630	general transcription factor IIA, 1-like (Gtf2a1l), mRNA.	Mme-M200015087	ILMN_2594502	0	0
235459	Gtf2a2	0.126	-0.045	-0.133	0	0	0	0	0	0	NM_001039519	general transcription factor II A, 2 (Gtf2a2), mRNA.	Mme-M300008827	ILMN_2702823	0	0
229906	Gtf2b	0.069	0.085	-0.015	0	0	0	0	0	0	NM_145546	general transcription factor IIB (Gtf2b), mRNA.	Mme-M300006023	ILMN_1247789	0	0
74197	Gtf2e1	-0.041	-0.095	-0.030	0	0	0	0	0	0	NM_028812	general transcription factor II E, polypeptide 1 (alpha subunit) (Gtf2e1), mRNA.	Mme-M300003536	ILMN_2591632	0	0
68153	Gtf2e2	0.268	0.085	0.076	0	0	0	0	0	0	NM_026584	general transcription factor II E, polypeptide 2 (beta subunit) (Gtf2e2), mRNA.	Mme-M200007846	ILMN_2817371	0	0
98053	Gtf2f1	0.012	-0.019	-0.151	0	0	0	0	0	0	NM_133801	general transcription factor IIF, polypeptide 1 (Gtf2f1), mRNA.	Mme-M200004956	ILMN_2742455	0	0
68705	Gtf2f2	-0.186	0.000	0.033	0	0	0	0	0	0	NM_026816	general transcription factor IIF, polypeptide 2 (Gtf2f2), mRNA.	Mme-M400011582	ILMN_2736611	0	0
14884	Gtf2h1	-0.057	-0.102	-0.114	0	0	0	0	0	0	NM_008186	general transcription factor II H, polypeptide 1 (Gtf2h1), mRNA.	Mme-M200004482	ILMN_2637811	0	0
23894	Gtf2h2	0.051	0.077	0.124	0	0	0	0	0	0	NM_022011	general transcription factor II H, polypeptide 2 (Gtf2h2), mRNA.	Mme-M400011406	ILMN_1252745	0	0
209357	Gtf2h3	0.118	-0.079	-0.047	0	0	0	0	0	0	NM_181410	general transcription factor IIH, polypeptide 3 (Gtf2h3), mRNA.	Mme-M200005636	ILMN_1243127	0	0
14885	Gtf2h4	-0.452	-0.163	-0.131	0	0	0	0	0	0	NM_010364	general transcription factor II H, polypeptide 4 (Gtf2h4), mRNA.	Mme-M200002890	ILMN_2997308	0	0
66467	Gtf2h5	-0.061	0.002	-0.085	0	0	0	0	0	0	NM_181392	general transcription factor IIH, polypeptide 5 (Gtf2h5), mRNA.	Mme-M400001689	ILMN_1223234	0	0
14886	Gtf2i	-0.088	-0.132	-0.038	0	0	0	0	0	0	NM_001080748	general transcription factor II I (Gtf2i), transcript variant 4, mRNA.	Mme-M300001473	ILMN_3118216	0	0
57080	Gtf2ird1	0.089	0.140	-0.150	0	0	0	0	0	0	NM_001081468	general transcription factor II I repeat domain-containing 1 (Gtf2ird1), transcript variant 8, mRNA.	Mme-M400009684	ILMN_2656631	0	0
114674	Gtf2ird2	0.059	-0.020	-0.084	0	0	0	0	0	0	NM_053266	GTF2I repeat domain containing 2 (Gtf2ird2), mRNA.	Mme-M300001475	ILMN_1242837	0	0
66596	Gtf3a	-0.059	-0.322	0.042	0	0	0	0	0	0	NM_025652	general transcription factor III A (Gtf3a), mRNA.	Mme-M300001521	ILMN_2670727	0	0
233863	Gtf3c1	0.193	0.034	-0.130	0	0	0	0	0	0	NM_207239	general transcription factor III C 1 (Gtf3c1), mRNA.	Mme-M300008440	ILMN_2623172	0	0
71752	Gtf3c2	0.141	-0.232	0.070	0	0	0	0	0	0	NM_027901	general transcription factor IIIC, polypeptide 2, beta (Gtf3c2), mRNA.	Mme-M300006516	ILMN_1234257	0	0
98488	Gtf3c3	-0.161	-0.133	0.070	0	0	0	0	0	0	NM_001033194	general transcription factor IIIC, polypeptide 3 (Gtf3c3), mRNA.	Mme-M400002492	ILMN_3160529	0	0
269252	Gtf3c4	-0.183	-0.085	0.017	0	0	0	0	0	0	NM_172977	general transcription factor IIIC, polypeptide 4 (Gtf3c4), mRNA.	Mme-M300010035	ILMN_2618346	0	0
70239	Gtf3c5	-0.038	0.122	-0.112	0	0	0	0	0	0	NM_148928	general transcription factor IIIC, polypeptide 5 (Gtf3c5), mRNA.	Mme-M300005304	ILMN_2647273	0	0
67371	Gtf3c6	-0.469	-0.047	0.074	0	0	0	0	0	0	NM_026113	general transcription factor IIIC, polypeptide 6, alpha (Gtf3c6), mRNA.	Mme-M400011533	ILMN_2940394	0	0
14904	Gtpbp1	-0.100	0.034	0.109	0	0	0	0	0	0	NM_013818	GTP binding protein 1 (Gtpbp1), mRNA.	Mme-M200003727	ILMN_1220313	0	0
207704	Gtpbp10	0.215	-0.113	0.095	0	0	0	0	0	0	NM_153116	GTP-binding protein 10 (putative) (Gtpbp10), mRNA.	Mme-M300012681	ILMN_2754795	0	0
56055	Gtpbp2	0.166	0.008	0.015	0	0	0	0	0	0	NM_019581	GTP binding protein 2 (Gtpbp2), mRNA.	Mme-M300003833	ILMN_2600113	0	0
70359	Gtpbp3	0.286	0.104	0.164	0	0	0	0	0	0	NM_032544	GTP binding protein 3 (Gtpbp3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009376	ILMN_1258042	0	0
69237	Gtpbp4	0.110	0.169	0.004	0	0	0	0	0	0	NM_027000	GTP binding protein 4 (Gtpbp4), mRNA.	Mme-M200013755	ILMN_1216072	0	0
107999	Gtpbp6	0.168	0.056	-0.192	0	0	0	0	0	0	NM_145147	GTP binding protein 6 (putative) (Gtpbp6), mRNA.	Mme-M200015708	ILMN_2901056	0	0
66067	Gtpbp8	0.118	-0.166	-0.051	0	0	0	0	0	0	NM_025332	GTP-binding protein 8 (putative) (Gtpbp8), mRNA.	Mme-M300003445	ILMN_2799368	0	0
29870	Gtse1	0.265	0.117	0.074	0	0	0	0	0	0	NM_013882	G two S phase expressed protein 1 (Gtse1), mRNA.	Mme-M200003964	ILMN_2908065	0	0
68236	Gtsf1l	0.032	0.061	0.047	0	0	0	0	0	0	NM_026630	gametocyte specific factor 1-like (Gtsf1l), mRNA.	Mme-M400011576	ILMN_2732954	0	0
14913	Guca1a	-0.245	0.202	-0.040	0	0	0	0	0	0	NM_008189	guanylate cyclase activator 1a (retina) (Guca1a), mRNA.	Mme-M300003846	ILMN_2723190	0	0
107477	Guca1b	-0.036	-0.001	0.023	0	0	0	0	0	0	NM_146079	guanylate cyclase activator 1B (Guca1b), mRNA.	Mme-M300003845	ILMN_2754287	0	0
14915	Guca2a	0.081	0.107	0.005	0	0	0	0	0	0	NM_008190	guanylate cyclase activator 2a (guanylin) (Guca2a), mRNA.	Mme-M400000666	ILMN_2635395	0	0
14916	Guca2b	-0.025	0.003	-0.035	0	0	0	0	0	0	NM_008191	guanylate cyclase activator 2b (retina) (Guca2b), mRNA.	Mme-M200000100	ILMN_2744846	0	0
68778	Gucd1	0.035	-0.117	0.028	0	0	0	0	0	0	NM_175133	RIKEN cDNA 1110038D17 gene (1110038D17Rik), mRNA.	Mme-M200006461	ILMN_3000080	0	0
234889	Gucy1a2	-0.191	0.085	-0.029	0	0	0	0	0	0	NM_001033322	guanylate cyclase 1, soluble, alpha 2 (Gucy1a2), mRNA.	Mme-M400002526	ILMN_2895501	0	0
60596	Gucy1a3	0.425	0.170	0.066	0	0	0	0	0	0	NM_021896	guanylate cyclase 1, soluble, alpha 3 (Gucy1a3), mRNA.	Mme-M300009024	ILMN_1241211	0	0
239134	Gucy1b2	-0.095	0.083	-0.024	0	0	0	0	0	0	NM_172810	guanylate cyclase 1, soluble, beta 2 (Gucy1b2), mRNA.	Mme-M300003021	ILMN_1227116	0	0
54195	Gucy1b3	0.346	0.247	0.022	0	0	0	0	0	0	NM_017469	guanylate cyclase 1, soluble, beta 3 (Gucy1b3), mRNA.	Mme-M300005896	ILMN_1250403	0	0
14917	Gucy2c	-0.367	0.022	0.080	0	0	0	0	0	0	NM_145067	guanylate cyclase 2c (Gucy2c), mRNA.	Mme-M400002654	ILMN_1248741	0	0
14919	Gucy2e	-0.148	0.007	-0.084	0	0	0	0	0	0	NM_008192	guanylate cyclase 2e (Gucy2e), mRNA.	Mme-M200003129	ILMN_2732851	0	0
245650	Gucy2f	0.056	0.008	-0.004	0	0	0	0	0	0	NM_001007576	guanylate cyclase 2f (Gucy2f), mRNA.	Mme-M400002606	ILMN_1230293	0	0
73707	Gucy2g	0.064	0.102	0.020	0	0	0	0	0	0	NM_001081076	guanylate cyclase 2g (Gucy2g), mRNA.	Mme-M400005213	ILMN_2655559	0	0
231279	Guf1	0.156	-0.046	-0.051	0	0	0	0	0	0	NM_172711	GUF1 GTPase homolog (S. cerevisiae) (Guf1), mRNA.	Mme-M300006547	ILMN_2637956	0	0
14923	Guk1	-0.053	-0.061	-0.050	0	0	0	0	0	0	NM_008193	guanylate kinase 1 (Guk1), mRNA.	Mme-M300002194	ILMN_2771360	0	0
268756	Gulo	0.151	-0.001	0.002	0	0	0	0	0	0	NM_178747	gulonolactone (L-) oxidase (Gulo), mRNA.	Mme-M300009356	ILMN_2631948	0	0
70676	Gulp1	0.079	-0.047	-0.032	0	0	0	0	0	0	NM_028450	GULP, engulfment adaptor PTB domain containing 1 (Gulp1), mRNA.	Mme-M200009100	ILMN_2676463	0	0
110006	Gusb	0.212	0.262	0.066	0	0	0	0	0	0	NM_010368	glucuronidase, beta (Gusb), mRNA.	Mme-M300004681	ILMN_2741114	0	0
74558	Gvin1	0.254	0.545	0.502	0	1	1	0	0	1	NM_001039160	GTPase, very large interferon inducible 1 (Gvin1), transcript variant B, mRNA.	Mme-M400003083	ILMN_3120510	1	0
232313	Gxylt2	0.116	-0.355	-0.031	0	0	0	0	0	0	NM_198612	glycosyltransferase 8 domain containing 4 (Glt8d4), mRNA.	Mme-M300006987	ILMN_2729015	0	0
27357	Gyg	0.172	0.251	0.102	0	0	0	0	0	0	NM_013755	glycogenin (Gyg), mRNA.	Mme-M200002351	ILMN_2686069	0	0
14933	Gyk	-0.094	-0.056	-0.017	0	0	0	0	0	0	NM_008194	glycerol kinase (Gyk), transcript variant 1, mRNA.	Mme-M400010803	ILMN_1219828	0	0
14625	Gykl1	-0.083	-0.037	-0.033	0	0	0	0	0	0	NM_010293	glycerol kinase-like 1 (Gykl1), mRNA.	Mme-M400004531	ILMN_2665209	0	0
228366	Gyltl1b	0.225	-0.126	-0.341	0	0	-1	0	0	0	NM_172670	glycosyltransferase-like 1B (Gyltl1b), mRNA.	Mme-M200007060	ILMN_1235131	0	0
14934	Gypa	-0.164	0.367	0.226	0	0	0	0	0	0	NM_010369	glycophorin A (Gypa), mRNA.	Mme-M300007861	ILMN_2696696	0	0
71683	Gypc	0.027	0.223	0.142	0	0	0	0	0	0	NM_001048207	glycophorin C (Gypc), mRNA.	Mme-M200008109	ILMN_1218358	0	0
14936	Gys1	0.157	0.110	-0.074	0	0	0	0	0	0	NM_030678	glycogen synthase 1, muscle (Gys1), mRNA.	Mme-M200007783	ILMN_2658554	0	0
232493	Gys2	0.225	0.048	0.084	0	0	0	0	0	0	NM_145572	glycogen synthase 2 (Gys2), mRNA.	Mme-M300007094	ILMN_2924504	0	0
74533	Gzf1	0.076	-0.164	0.175	0	0	0	0	0	0	NM_028986	GDNF-inducible zinc finger protein 1 (Gzf1), mRNA.	Mme-M200009195	ILMN_3007959	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14938	Gzma	0.441	0.039	-0.008	0	0	0	0	0	0	NM_010370	granzyme A (Gzma), mRNA.	Mme-M200003376	ILMN_1248969	0	0
14939	Gzmb	0.383	0.051	-0.009	0	0	0	0	0	0	NM_013542	granzyme B (Gzmb), mRNA.	Mme-M400011200	ILMN_2653555	0	0
14940	Gzmc	-0.083	0.035	-0.016	0	0	0	0	0	0	NM_010371	granzyme C (Gzmc), mRNA.	Mme-M200016231	ILMN_1251209	0	0
14941	Gzmd	-0.039	-0.067	-0.036	0	0	0	0	0	0	NM_010372	granzyme D (Gzmd), mRNA.	Mme-M400006728	ILMN_2987649	0	0
14942	Gzme	0.091	-0.050	0.123	0	0	0	0	0	0	NM_010373	granzyme E (Gzme), mRNA.	Mme-M400000546	ILMN_2642942	0	0
14943	Gzmf	-0.062	0.107	-0.025	0	0	0	0	0	0	NM_010374	granzyme F (Gzmf), mRNA.	Mme-M400008942	ILMN_2629794	0	0
14944	Gzmg	-0.089	0.036	0.022	0	0	0	0	0	0	NM_010375	granzyme G (Gzmg), mRNA.	Mme-M400002352	ILMN_1216490	0	0
14945	Gzmk	-0.096	0.219	0.103	0	0	0	0	0	0	NM_008196	granzyme K (Gzmk), mRNA.	Mme-M200014881	ILMN_2921185	0	0
16904	Gzmm	-0.225	-0.163	-0.094	0	0	0	0	0	0	NM_008504	granzyme M (lymphocyte met-ase 1) (Gzmm), mRNA.	Mme-M200004348	ILMN_1229500	0	0
245839	Gzmn	-0.170	-0.004	-0.010	0	0	0	0	0	0	NM_153052	granzyme N (Gzmn), mRNA.	Mme-M200013163	ILMN_1229426	0	0
14950	H13	0.106	-0.189	-0.090	0	0	0	0	0	0	NM_010376	histocompatibility 13 (H13), mRNA.	Mme-M400000319	ILMN_2700292	0	0
14955	H19	0.628	0.319	-0.130	0	0	0	0	0	0	NR_001592	H19 fetal liver mRNA (H19) on chromosome 7.	Mme-M300000002	ILMN_1256343	0	0
14958	H1f0	0.112	-0.107	-0.149	0	0	0	0	0	0	NM_008197	H1 histone family, member 0 (H1f0), mRNA.	Mme-M400010804	ILMN_1259559	0	0
70069	H1fnt	-0.048	-0.055	0.063	0	0	0	0	0	0	NM_027304	H1 histone family, member N, testis-specific (H1fnt), mRNA.	Mme-M200007097	ILMN_2664702	0	0
171506	H1foo	0.436	-0.024	0.144	0	0	0	0	0	0	NM_138311	H1 histone family, member O, oocyte-specific (H1foo), mRNA.	Mme-M200004245	ILMN_2749809	0	0
243529	H1fx	0.075	-0.029	0.032	0	0	0	0	0	0	NM_198622	H1 histone family, member X (H1fx), mRNA.	Mme-M300015910	ILMN_1247646	0	0
14960	H2-Aa	0.205	0.291	0.269	0	0	0	0	0	0	NM_010378	histocompatibility 2, class II antigen A, alpha (H2-Aa), mRNA.	Mme-M300010457	ILMN_2734729	0	0
14961	H2-Ab1	0.594	0.516	0.342	0	1	1	0	0	0	NM_207105	histocompatibility 2, class II antigen A, beta 1 (H2-Ab1), mRNA.	Mme-M200002417	ILMN_2631423	0	0
68231	H2afb1	-0.207	0.035	-0.122	0	0	0	0	0	0	NM_026627	RIKEN cDNA 1700113O17 gene (1700113O17Rik), mRNA.	Mme-M400007925	ILMN_2689749	0	0
232440	H2afj	-0.115	0.067	0.074	0	0	0	0	0	0	NM_177688	H2A histone family, member J (H2afj), mRNA.	Mme-M300014198	ILMN_2524980	0	0
77605	H2afv	0.322	-0.130	-0.051	0	0	0	0	0	0	XM_907680	PREDICTED: H2A histone family, member V (H2afv), mRNA.	Mme-M300013029	ILMN_2703385	0	0
15270	H2afx	0.252	0.063	0.091	0	0	0	0	0	0	NM_010436	H2A histone family, member X (H2afx), mRNA.	Mme-M300020647	ILMN_2907878	0	0
26914	H2afy	0.117	-0.103	-0.272	0	0	0	0	0	0	NM_012015	H2A histone family, member Y (H2afy), mRNA.	Mme-M200006926	ILMN_1242842	0	0
404634	H2afy2	0.165	0.018	0.044	0	0	0	0	0	0	NM_207000	H2A histone family, member Y2 (H2afy2), mRNA.	Mme-M300001995	ILMN_2525799	0	0
67552	H2afy3	0.000	-0.006	-0.021	0	0	0	0	0	0	NR_003523	H2A histone family, member Y3 (H2afy3) on chromosome 15.	Mme-M400011547	ILMN_2741360	0	0
51788	H2afz	0.496	0.117	-0.082	0	0	0	0	0	0	NM_016750	H2A histone family, member Z (H2afz), mRNA.	Mme-M300011203	ILMN_1225187	0	0
69389	H2bfm	-0.011	0.001	0.054	0	0	0	0	0	0	XM_486774	PREDICTED: RIKEN cDNA 1700014N06 gene (1700014N06Rik), mRNA.	Mme-M200010081	ILMN_1259771	0	0
14963	H2-Bl	0.170	0.187	0.164	0	0	0	0	0	0	NM_008199	histocompatibility 2, blastocyst (H2-Bl), mRNA.	Mme-M400004214	ILMN_2588130	0	0
14964	H2-D1	0.228	0.096	0.272	0	0	0	0	0	0	NM_010380	histocompatibility 2, D region locus 1 (H2-D1), mRNA.	Mme-M400001934	ILMN_2476267	0	0
14998	H2-DMa	-0.276	0.700	0.238	0	1	0	0	1	0	NM_010386	histocompatibility 2, class II, locus DMa (H2-DMa), mRNA.	Mme-M200003430	ILMN_2777769	1	0
15000	H2-DMb2	0.128	0.875	0.213	0	1	0	0	1	0	NM_010388	histocompatibility 2, class II, locus Mb2 (H2-DMb2), mRNA.	Mme-M300010992	ILMN_2589164	1	0
14969	H2-Eb1	0.205	0.592	0.215	0	1	0	0	1	0	NM_010382	histocompatibility 2, class II antigen E beta (H2-Eb1), mRNA.	Mme-M300004076	ILMN_1239102	1	0
381091	H2-Eb2	0.002	0.306	0.150	0	0	0	0	0	0	NM_001033978	histocompatibility 2, class II antigen E beta2 (H2-Eb2), mRNA.	Mme-M300021105	ILMN_1216671	0	0
14972	H2-K1	0.249	0.287	0.071	0	0	0	0	0	0	NM_001001892	histocompatibility 2, K1, K region (H2-K1), transcript variant 1, mRNA.	Mme-M400007346	ILMN_2588139	0	0
14979	H2-Ke6	-0.202	-0.276	-0.056	0	0	0	0	0	0	NM_013543	H2-K region expressed gene 6 (H2-Ke6), mRNA.	Mme-M200003375	ILMN_2653265	0	0
224756	H2-M1	-0.060	0.028	0.070	0	0	0	0	0	0	NM_177636	histocompatibility 2, M region locus 1 (H2-M1), mRNA.	Mme-M300010876	ILMN_2659185	0	0
14985	H2-M10.1	-0.024	0.022	-0.104	0	0	0	0	0	0	NM_013544	histocompatibility 2, M region locus 10.1 (H2-M10.1), mRNA.	Mme-M400000743	ILMN_2730154	0	0
333715	H2-M10.2	0.218	-0.019	-0.046	0	0	0	0	0	0	NM_177923	histocompatibility 2, M region locus 10.2 (H2-M10.2), mRNA.	Mme-M400003392	ILMN_2737429	0	0
110696	H2-M10.3	-0.138	-0.051	-0.059	0	0	0	0	0	0	NM_201608	histocompatibility 2, M region locus 10.3 (H2-M10.3), mRNA.	Mme-M400006198	ILMN_1260360	0	0
224753	H2-M10.4	0.081	-0.003	0.081	0	0	0	0	0	0	NM_177634	histocompatibility 2, M region locus 10.4 (H2-M10.4), mRNA.	Mme-M300003662	ILMN_2656626	0	0
224761	H2-M10.5	-0.172	-0.020	-0.018	0	0	0	0	0	0	NM_177637	histocompatibility 2, M region locus 10.5 (H2-M10.5), mRNA.	Mme-M300010822	ILMN_2637303	0	0
399549	H2-M10.6	-0.193	-0.011	0.047	0	0	0	0	0	0	NM_201611	histocompatibility 2, M region locus 10.6 (H2-M10.6), mRNA.	Mme-M300010753	ILMN_2824087	0	0
224754	H2-M11	-0.053	-0.091	-0.148	0	0	0	0	0	0	NM_177635	histocompatibility 2, M region locus 11 (H2-M11), mRNA.	Mme-M400002020	ILMN_2611410	0	0
14990	H2-M2	0.320	0.381	0.382	0	0	1	0	0	0	NM_008204	histocompatibility 2, M region locus 2 (H2-M2), mRNA.	Mme-M300001505	ILMN_2964185	0	0
14991	H2-M3	0.218	0.681	0.166	0	1	0	0	1	0	NM_013819	histocompatibility 2, M region locus 3 (H2-M3), mRNA.	Mme-M300001499	ILMN_2670508	1	0
240095	H2-M5	0.377	0.015	-0.050	0	0	0	0	0	0	NM_001115075	histocompatibility 2, M region locus 5 (H2-M5), mRNA.	Mme-M400010126	ILMN_1240555	0	0
14997	H2-M9	0.086	0.008	0.020	0	0	0	0	0	0	NM_008205	histocompatibility 2, M region locus 9 (H2-M9), mRNA.	Mme-M400010806	ILMN_2987197	0	0
15001	H2-Oa	-0.077	0.444	0.132	0	1	0	0	0	0	NM_008206	histocompatibility 2, O region alpha locus (H2-Oa), mRNA.	Mme-M200000036	ILMN_2867076	0	0
15002	H2-Ob	-0.241	-0.005	0.166	0	0	0	0	0	0	NM_010389	histocompatibility 2, O region beta locus (H2-Ob), mRNA.	Mme-M400002510	ILMN_2670690	0	0
15016	H2-Q5	-0.041	0.578	0.391	0	1	1	0	1	0	NM_010393	histocompatibility 2, Q region locus 5 (H2-Q5), mRNA.	Mme-M400011031	ILMN_2685581	1	0
110557	H2-Q6	0.165	0.371	0.579	0	0	1	0	0	1	NM_207648	histocompatibility 2, Q region locus 6 (H2-Q6), mRNA.	Mme-M400012661	ILMN_2495446	1	0
15018	H2-Q7	0.261	0.632	0.461	0	1	1	0	1	1	NM_010394	histocompatibility 2, Q region locus 7 (H2-Q7), mRNA.	Mme-M400005000	ILMN_2771182	2	0
15019	H2-Q8	0.042	0.292	0.296	0	0	0	0	0	0	NM_023124	histocompatibility 2, Q region locus 8 (H2-Q8), mRNA.	Mme-M200013220	ILMN_2951592	0	0
15024	H2-T10	0.250	0.274	0.079	0	0	0	0	0	0	NM_010395	histocompatibility 2, T region locus 10 (H2-T10), mRNA.	Mme-M400010619	ILMN_2894678	0	0
15039	H2-T22	0.144	0.534	0.278	0	1	0	0	0	0	NM_010397	histocompatibility 2, T region locus 22 (H2-T22), mRNA.	Mme-M400011034	ILMN_1230878	0	0
15040	H2-T23	0.466	0.590	0.337	0	1	1	0	1	0	NM_010398	histocompatibility 2, T region locus 23 (H2-T23), mRNA.	Mme-M400009660	ILMN_1223179	1	0
15042	H2-T24	0.321	0.477	0.063	0	1	0	0	0	0	NM_008207	histocompatibility 2, T region locus 24 (H2-T24), mRNA.	Mme-M400004608	ILMN_1229173	0	0
15043	H2-T3	-0.216	0.036	0.057	0	0	0	0	0	0	NM_008208	histocompatibility 2, T region locus 3 (H2-T3), mRNA.	Mme-M400004713	ILMN_1259837	0	0
15078	H3f3a	0.199	0.165	0.070	0	0	0	0	0	0	NM_008210	H3 histone, family 3A (H3f3a), mRNA.	Mme-M400008915	ILMN_3145213	0	0
15081	H3f3b	0.014	0.145	0.093	0	0	0	0	0	0	NM_008211	H3 histone, family 3B (H3f3b), mRNA.	Mme-M200003624	ILMN_2648292	0	0
15101	H60a	-0.179	0.054	0.003	0	0	0	0	0	0	NM_010400	histocompatibility 60a (H60a), mRNA.	Mme-M400015769	ILMN_2645333	0	0
100198	H6pd	0.141	0.179	-0.025	0	0	0	0	0	0	NM_173371	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6pd), mRNA.	Mme-M200004314	ILMN_1244188	0	0
107766	Haao	0.021	0.340	0.064	0	0	0	0	0	0	NM_025325	3-hydroxyanthranilate 3,4-dioxygenase (Haao), mRNA.	Mme-M200006837	ILMN_2607951	0	0
226243	Habp2	-0.290	-0.079	0.065	0	0	0	0	0	0	NM_146101	hyaluronic acid binding protein 2 (Habp2), mRNA.	Mme-M300004464	ILMN_1234797	0	0
56541	Habp4	-0.099	-0.011	-0.116	0	0	0	0	0	0	NM_019986	hyaluronic acid binding protein 4 (Habp4), mRNA.	Mme-M400000469	ILMN_2777744	0	0
70757	Hacd2	0.017	-0.197	0.097	0	0	0	0	0	0	NM_023587	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b (Ptplb), mRNA.	Mme-M300009887	ILMN_2777535	0	0
57874	Hacd3	0.153	0.030	0.034	0	0	0	0	0	0	NM_021345	protein tyrosine phosphatase-like A domain containing 1 (Ptplad1), mRNA.	Mme-M300008868	ILMN_2611874	0	0
66775	Hacd4	0.012	-0.324	0.178	0	0	0	0	0	0	NM_025760	protein tyrosine phosphatase-like A domain containing 2 (Ptplad2), mRNA.	Mme-M200009126	ILMN_1245615	0	0
209462	Hace1	0.063	-0.181	0.027	0	0	0	0	0	0	NM_172473	HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase 1 (Hace1), mRNA.	Mme-M300011789	ILMN_1214487	0	0
56794	Hacl1	-0.159	-0.087	-0.044	0	0	0	0	0	0	NM_019975	2-hydroxyacyl-CoA lyase 1 (Hacl1), mRNA.	Mme-M200008132	ILMN_2739364	0	0
15107	Hadh	0.222	-0.174	-0.090	0	0	0	0	0	0	NM_008212	hydroxyacyl-Coenzyme A dehydrogenase (Hadh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000939	ILMN_2590961	0	0
97212	Hadha	0.118	-0.028	0.014	0	0	0	0	0	0	NM_178878	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunc	Mme-M300004749	ILMN_2679586	0	0
231086	Hadhb	0.164	-0.135	0.017	0	0	0	0	0	0	NM_145558	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunc	Mme-M300004747	ILMN_1230454	0	0
14651	Hagh	0.072	0.156	-0.174	0	0	0	0	0	0	NM_024284	hydroxyacyl glutathione hydrolase (Hagh), mRNA.	Mme-M400000720	ILMN_2734661	0	0
68977	Haghl	-0.058	0.107	-0.103	0	0	0	0	0	0	NM_026897	hydroxyacylglutathione hydrolase-like (Haghl), mRNA.	Mme-M300000902	ILMN_2713586	0	0
15109	Hal	-0.073	0.169	0.080	0	0	0	0	0	0	NM_010401	histidine ammonia lyase (Hal), mRNA.	Mme-M200003223	ILMN_1241298	0	0
84506	Hamp	0.135	0.115	-0.034	0	0	0	0	0	0	NM_032541	hepcidin antimicrobial peptide (Hamp), mRNA.	Mme-M300001256	ILMN_1236304	0	0
66438	Hamp2	-0.117	-0.045	-0.093	0	0	0	0	0	0	NM_183257	hepcidin antimicrobial peptide 2 (Hamp2), mRNA.	Mme-M300021139	ILMN_2852624	0	0
15110	Hand1	-0.145	-0.019	-0.043	0	0	0	0	0	0	NM_008213	heart and neural crest derivatives expressed transcript 1 (Hand1), mRNA.	Mme-M200001929	ILMN_2689456	0	0
15111	Hand2	0.116	0.085	-0.088	0	0	0	0	0	0	NM_010402	heart and neural crest derivatives expressed transcript 2 (Hand2), mRNA.	Mme-M300011407	ILMN_1229467	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
15112	Hao1	-0.106	-0.085	-0.061	0	0	0	0	0	0	NM_010403	hydroxyacid oxidase 1, liver (Hao1), mRNA.	Mme-M200005313	ILMN_2875475	0	0
56185	Hao2	0.058	-0.009	-0.080	0	0	0	0	0	0	NM_019545	hydroxyacid oxidase (glycolate oxidase) 3 (Hao3), mRNA.	Mme-M200003883	ILMN_2718638	0	0
15114	Hap1	0.126	0.737	-0.175	0	1	0	0	1	0	NM_010404	huntingtin-associated protein 1 (Hap1), mRNA.	Mme-M200002975	ILMN_1244829	1	0
12950	Hapln1	-0.260	-0.023	-0.021	0	0	0	0	0	0	NM_013500	hyaluronan and proteoglycan link protein 1 (Hapln1), mRNA.	Mme-M300002857	ILMN_2753342	0	0
73940	Hapln2	-0.175	-0.259	0.071	0	0	0	0	0	0	NM_022031	hyaluronan and proteoglycan link protein 2 (Hapln2), mRNA.	Mme-M200015638	ILMN_2666080	0	0
67666	Hapln3	-0.014	0.023	-0.044	0	0	0	0	0	0	NM_178255	hyaluronan and proteoglycan link protein 3 (Hapln3), mRNA.	Mme-M300007319	ILMN_1231791	0	0
330790	Hapln4	-0.178	-0.016	-0.077	0	0	0	0	0	0	NM_177900	hyaluronan and proteoglycan link protein 4 (Hapln4), mRNA.	Mme-M400012442	ILMN_2589915	0	0
15115	Hars	0.067	-0.005	-0.008	0	0	0	0	0	0	NM_008214	histidyl-tRNA synthetase (Hars), mRNA.	Mme-M200002939	ILMN_2769030	0	0
70791	Hars2	-0.476	-0.120	-0.072	0	0	0	0	0	0	NM_080636	histidyl-tRNA synthetase 2, mitochondrial (putative) (Hars2), nuclear gene encoding mitochondrial protein, mRN	Mme-M200014594	ILMN_2675883	0	0
15116	Has1	0.175	0.132	-0.051	0	0	0	0	0	0	NM_008215	hyaluronan synthase1 (Has1), mRNA.	Mme-M200000961	ILMN_2997282	0	0
15117	Has2	-0.030	0.111	0.204	0	0	0	0	0	0	NM_008216	hyaluronan synthase 2 (Has2), mRNA.	Mme-M200002176	ILMN_1254975	0	0
15118	Has3	0.026	-0.014	-0.026	0	0	0	0	0	0	NM_008217	hyaluronan synthase 3 (Has3), mRNA.	Mme-M200014877	ILMN_2748571	0	0
107435	Hat1	0.341	0.057	0.036	0	0	0	0	0	0	NM_026115	histone aminotransferase 1 (Hat1), mRNA.	Mme-M200006000	ILMN_2747651	0	0
225745	Haus1	-0.134	0.006	-0.092	0	0	0	0	0	0	NM_146089	coiled-coil domain containing 5 (Ccdc5), mRNA.	Mme-M300013382	ILMN_1250852	0	0
66296	Haus2	0.025	-0.098	0.110	0	0	0	0	0	0	NM_025475	centrosomal protein 27 (Cep27), mRNA.	Mme-M200012598	ILMN_2630468	0	0
231123	Haus3	-0.158	-0.023	-0.021	0	0	0	0	0	0	NM_146159	cDNA sequence BC023882 (BC023882), mRNA.	Mme-M300016079	ILMN_2720058	0	0
219072	Haus4	-0.399	-0.003	-0.036	0	0	0	0	0	0	NM_145462	DNA segment, Chr 14, ERATO Doi 500, expressed (D14Ertd500e), mRNA.	Mme-M200006662	ILMN_2612044	0	0
71909	Haus5	-0.092	0.123	-0.036	0	0	0	0	0	0	XM_355883	PREDICTED: RIKEN cDNA 2310022K01 gene, transcript variant 1 (2310022K01Rik), mRNA.	Mme-M300001794	ILMN_1242680	0	0
230376	Haus6	-0.081	-0.086	0.179	0	0	0	0	0	0	NM_173400	RIKEN cDNA 6230416J20 gene (6230416J20Rik), mRNA.	Mme-M300011308	ILMN_1233478	0	0
73738	Haus7	0.124	0.002	-0.064	0	0	0	0	0	0	NM_207104	UCHL5 interacting protein (Uchl5ip), transcript variant 2, mRNA.	Mme-M400001365	ILMN_2641828	0	0
76478	Haus8	-0.019	0.164	-0.018	0	0	0	0	0	0	NM_029621	RIKEN cDNA 2410004L22 gene (2410004L22Rik), mRNA.	Mme-M400001810	ILMN_2749747	0	0
171283	Havcr1	0.038	0.039	0.058	0	0	0	0	0	0	NM_134248	hepatitis A virus cellular receptor 1 (Havcr1), mRNA.	Mme-M200007520	ILMN_2604307	0	0
171285	Havcr2	0.119	0.245	0.126	0	0	0	0	0	0	NM_134250	hepatitis A virus cellular receptor 2 (Havcr2), mRNA.	Mme-M300002167	ILMN_2721929	0	0
23897	Hax1	-0.037	0.185	-0.049	0	0	0	0	0	0	NM_011826	HCLS1 associated X-1 (Hax1), mRNA.	Mme-M300005853	ILMN_2750013	0	0
15126	Hba-x	-0.363	-0.063	-0.022	0	0	0	0	0	0	NM_010405	hemoglobin X, alpha-like embryonic chain in Hba complex (Hba-x), mRNA.	Mme-M300019081	ILMN_1240267	0	0
15129	Hbb-b1	0.642	0.347	0.143	0	0	0	0	0	0	NM_008220	hemoglobin, beta adult major chain (Hbb-b1), mRNA.	Mme-M400000660	ILMN_1235372	0	0
15130	Hbb-b2	0.629	0.206	0.095	0	0	0	0	0	0	NM_016956	hemoglobin, beta adult minor chain (Hbb-b2), mRNA.	Mme-M400011276	ILMN_2729513	0	0
15132	Hbb-bh1	-0.045	0.061	-0.104	0	0	0	0	0	0	NM_008219	hemoglobin Z, beta-like embryonic chain (Hbb-bh1), mRNA.	Mme-M300003686	ILMN_1225816	0	0
15135	Hbb-y	-0.271	0.041	0.045	0	0	0	0	0	0	NM_008221	hemoglobin Y, beta-like embryonic chain (Hbb-y), mRNA.	Mme-M300003689	ILMN_2723322	0	0
15200	Hbegf	-0.062	0.291	0.094	0	0	0	0	0	0	NM_010415	heparin-binding EGF-like growth factor (Hbegf), mRNA.	Mme-M400000748	ILMN_2698449	0	0
73389	Hbp1	0.236	-0.029	0.023	0	0	0	0	0	0	NM_153198	high mobility group box transcription factor 1 (Hbp1), transcript variant 1, mRNA.	Mme-M300000360	ILMN_3092415	0	0
216635	Hbq1a	-0.105	0.109	-0.012	0	0	0	0	0	0	NM_175000	hemoglobin, theta 1 (Hbq1), mRNA.	Mme-M300002117	ILMN_2673980	0	0
544763	Hbq1b	-0.051	0.075	0.095	0	0	0	0	0	0	NM_001033981	RIKEN cDNA F830116E18 gene (F830116E18Rik), mRNA.	Mme-M400008747	ILMN_2905525	0	0
56422	Hbs1l	-0.260	0.101	-0.184	0	0	0	0	0	0	NM_001042593	Hbs1-like (S. cerevisiae) (Hbs1l), transcript variant 2, mRNA.	Mme-M300001926	ILMN_2776391	0	0
15139	Hc	0.122	-0.006	-0.101	0	0	0	0	0	0	NM_010406	hemolytic complement (Hc), mRNA.	Mme-M200000825	ILMN_2659143	0	0
243270	Hcar1	0.007	-0.365	0.176	0	0	0	0	0	0	NM_175520	G protein-coupled receptor 81 (Gpr81), mRNA.	Mme-M300019995	ILMN_2699134	0	0
80885	Hcar2	0.242	0.507	0.017	0	1	0	0	0	0	NM_030701	G protein-coupled receptor 109A (Gpr109a), mRNA.	Mme-M400003045	ILMN_2847115	0	0
15159	Hccs	0.074	-0.241	0.055	0	0	0	0	0	0	NM_008222	holocytochrome c synthetase (Hccs), mRNA.	Mme-M200002845	ILMN_2994173	0	0
15161	Hcfc1	-0.007	-0.189	-0.023	0	0	0	0	0	0	NM_008224	host cell factor C1 (Hcfc1), mRNA.	Mme-M200014968	ILMN_2723881	0	0
353502	Hcfc1r1	-0.237	-0.063	-0.093	0	0	0	0	0	0	NM_181821	host cell factor C1 regulator 1 (XPO1-dependent) (Hcfc1r1), mRNA.	Mme-M300003807	ILMN_2723083	0	0
67933	Hcfc2	-0.064	-0.048	0.065	0	0	0	0	0	0	NM_001081218	host cell factor C2 (Hcfc2), mRNA.	Mme-M400000371	ILMN_2700765	0	0
15162	Hck	0.186	0.006	-0.064	0	0	0	0	0	0	NM_010407	hemopoietic cell kinase (Hck), mRNA.	Mme-M200000255	ILMN_1213268	0	0
15163	Hcls1	-0.110	0.555	0.108	0	1	0	0	0	0	NM_008225	hematopoietic cell specific Lyn substrate 1 (Hcls1), mRNA.	Mme-M400000612	ILMN_2685516	0	0
15165	Hcn1	-0.006	-0.024	0.097	0	0	0	0	0	0	NM_010408	hyperpolarization-activated, cyclic nucleotide-gated K+ 1 (Hcn1), mRNA.	Mme-M200002636	ILMN_2671559	0	0
15166	Hcn2	-0.364	-0.108	-0.081	0	0	0	0	0	0	NM_008226	hyperpolarization-activated, cyclic nucleotide-gated K+ 2 (Hcn2), mRNA.	Mme-M200016228	ILMN_2672624	0	0
15168	Hcn3	-0.425	0.138	-0.034	0	0	0	0	0	0	NM_008227	hyperpolarization-activated, cyclic nucleotide-gated K+ 3 (Hcn3), mRNA.	Mme-M400001055	ILMN_2808472	0	0
330953	Hcn4	-0.132	0.021	0.016	0	0	0	0	0	0	NM_001081192	hyperpolarization-activated, cyclic nucleotide-gated K+ 4 (Hcn4), mRNA.	Mme-M400001452	ILMN_2686416	0	0
15171	Hcrt	0.012	-0.077	0.050	0	0	0	0	0	0	NM_010410	hypocretin (Hcrt), mRNA.	Mme-M200002862	ILMN_2592983	0	0
230777	Hcrtr1	-0.456	0.196	-0.068	0	0	0	0	0	0	NM_198959	hypocretin (orexin) receptor 1 (Hcrtr1), mRNA.	Mme-M300006286	ILMN_1223795	0	0
387285	Hcrtr2	-0.133	-0.012	-0.027	0	0	0	0	0	0	NM_198962	hypocretin (orexin) receptor 2 (Hcrtr2), mRNA.	Mme-M300008212	ILMN_1214142	0	0
23900	Hcst	-0.081	0.367	0.146	0	0	0	0	0	0	NM_011827	hematopoietic cell signal transducer (Hcst), mRNA.	Mme-M200004760	ILMN_1220418	0	0
433759	Hdac1	0.166	0.238	-0.138	0	0	0	0	0	0	NM_008228	histone deacetylase 1 (Hdac1), mRNA.	Mme-M400001120	ILMN_2733514	0	0
170787	Hdac10	-0.038	-0.135	-0.117	0	0	0	0	0	0	NM_199198	histone deacetylase 10 (Hdac10), mRNA.	Mme-M300010073	ILMN_2731340	0	0
232232	Hdac11	0.124	0.065	-0.079	0	0	0	0	0	0	NM_144919	histone deacetylase 11 (Hdac11), mRNA.	Mme-M200013084	ILMN_2614912	0	0
15182	Hdac2	0.022	-0.185	-0.012	0	0	0	0	0	0	NM_008229	histone deacetylase 2 (Hdac2), mRNA.	Mme-M400000332	ILMN_2640441	0	0
15183	Hdac3	0.167	-0.102	-0.034	0	0	0	0	0	0	NM_010411	histone deacetylase 3 (Hdac3), mRNA.	Mme-M200003925	ILMN_1220353	0	0
208727	Hdac4	0.093	0.260	-0.079	0	0	0	0	0	0	NM_207225	histone deacetylase 4 (Hdac4), mRNA.	Mme-M300005038	ILMN_1219682	0	0
15184	Hdac5	0.087	0.068	0.076	0	0	0	0	0	0	NM_010412	histone deacetylase 5 (Hdac5), transcript variant 2, mRNA.	Mme-M300000992	ILMN_3112922	0	0
56233	Hdac7	0.295	0.191	0.072	0	0	0	0	0	0	NM_019572	histone deacetylase 7 (Hdac7), mRNA.	Mme-M200007414	ILMN_2768755	0	0
70315	Hdac8	-0.403	0.066	-0.128	0	0	0	0	0	0	NM_027382	histone deacetylase 8 (Hdac8), mRNA.	Mme-M400013352	ILMN_2871174	0	0
79221	Hdac9	-0.118	-0.055	-0.083	0	0	0	0	0	0	NM_024124	histone deacetylase 9 (Hdac9), mRNA.	Mme-M400000094	ILMN_2590403	0	0
15186	Hdc	0.366	0.093	-0.068	0	0	0	0	0	0	NM_008230	histidine decarboxylase (Hdc), mRNA.	Mme-M400010808	ILMN_1256122	0	0
69692	Hddc2	0.091	-0.026	0.041	0	0	0	0	0	0	NM_027168	HD domain containing 2 (Hddc2), mRNA.	Mme-M200004048	ILMN_2638781	0	0
15191	Hdgf	0.171	-0.107	-0.211	0	0	0	0	0	0	NM_008231	hepatoma-derived growth factor (Hdgf), mRNA.	Mme-M200000413	ILMN_1244324	0	0
15192	Hdgfl1	0.000	0.029	-0.083	0	0	0	0	0	0	NM_008232	hepatoma derived growth factor-like 1 (Hdgfl1), mRNA.	Mme-M400003078	ILMN_2874380	0	0
15193	Hdgfrp2	0.256	0.001	-0.121	0	0	0	0	0	0	NM_008233	hepatoma-derived growth factor, related protein 2 (Hdgfrp2), mRNA.	Mme-M200008040	ILMN_2617112	0	0
29877	Hdgfrp3	0.191	-0.005	-0.056	0	0	0	0	0	0	NM_013886	hepatoma-derived growth factor, related protein 3 (Hdgfrp3), mRNA.	Mme-M200006212	ILMN_2733269	0	0
67365	Hdhd1a	0.115	0.007	-0.034	0	0	0	0	0	0	NM_026108	haloacid dehalogenase-like hydrolase domain containing 1A (Hdhd1a), mRNA.	Mme-M200010010	ILMN_3160253	0	0
76987	Hdhd2	-0.035	0.159	-0.103	0	0	0	0	0	0	NM_029826	haloacid dehalogenase-like hydrolase domain containing 2 (Hdhd2), transcript variant 1, mRNA.	Mme-M200006047	ILMN_2629982	0	0
72748	Hdhd3	0.129	-0.015	-0.010	0	0	0	0	0	0	NM_024257	haloacid dehalogenase-like hydrolase domain containing 3 (Hdhd3), mRNA.	Mme-M200013625	ILMN_2608145	0	0
110611	Hdlbp	0.249	-0.135	-0.097	0	0	0	0	0	0	NM_133808	high density lipoprotein (HDL) binding protein (Hdlbp), mRNA.	Mme-M200006781	ILMN_2795359	0	0
245596	Hdx	0.013	-0.016	0.124	0	0	0	0	0	0	NM_001080549	highly divergent homeobox (Hdx), mRNA.	Mme-M300009404	ILMN_2627259	0	0
217995	Heatr1	-0.226	0.077	-0.083	0	0	0	0	0	0	NM_144835	HEAT repeat containing 1 (Heatr1), mRNA.	Mme-M200012845	ILMN_1214036	0	0
234549	Heatr3	0.083	-0.218	0.072	0	0	0	0	0	0	NM_172757	HEAT repeat containing 3 (Heatr3), mRNA.	Mme-M300007842	ILMN_2590644	0	0
320487	Heatr5a	-0.035	-0.050	-0.063	0	0	0	0	0	0	NM_177171	HEAT repeat containing 5A (Heatr5a), mRNA.	Mme-M300009752	ILMN_2694279	0	0
320473	Heatr5b	-0.093	-0.065	-0.045	0	0	0	0	0	0	NM_001081179	HEAT repeat containing 5B (Heatr5b), mRNA.	Mme-M300012155	ILMN_1223865	0	0
217026	Heatr6	-0.093	-0.080	-0.111	0	0	0	0	0	0	NM_145432	HEAT repeat containing 6 (Heatr6), mRNA.	Mme-M200007946	ILMN_2546800	0	0
629303	Heatr9	0.112	0.043	0.069	0	0	0	0	0	0	NM_001045543	predicted gene, OTTMUSG00000000990 (OTTMUSG00000000990), mRNA.	Mme-M400000312	ILMN_2931853	0	0
15199	Hebp1	0.240	0.098	0.085	0	0	0	0	0	0	NM_013546	heme binding protein 1 (Hebp1), mRNA.	Mme-M300013878	ILMN_2699307	0	0
56016	Hebp2	-0.199	0.083	-0.013	0	0	0	0	0	0	NM_019487	heme binding protein 2 (Hebp2), mRNA.	Mme-M200007766	ILMN_2710455	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
380629	Heca	0.055	-0.181	-0.052	0	0	0	0	0	0	NM_001033432	headcase homolog (Drosophila) (Heca), mRNA.	Mme-M400002306	ILMN_2533662	0	0
226098	Hectd2	0.182	0.111	-0.047	0	0	0	0	0	0	NM_172637	HECT domain containing 2 (Hectd2), mRNA.	Mme-M300013045	ILMN_1252222	0	0
76608	Hectd3	0.153	-0.222	-0.027	0	0	0	0	0	0	NM_175244	HECT domain containing 3 (Hectd3), mRNA.	Mme-M300009028	ILMN_1231383	0	0
94253	Hecw1	-0.230	-0.114	0.184	0	0	0	0	0	0	NM_001081348	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1 (Hecw1), mRNA.	Mme-M300002684	ILMN_2665117	0	0
329152	Hecw2	0.077	0.041	0.322	0	0	1	0	0	0	NM_001001883	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 (Hecw2), transcript variant 1, mRNA.	Mme-M400000891	ILMN_2418645	0	0
77446	Heg1	0.560	-0.067	-0.038	0	0	0	0	0	0	NM_175256	HEG homolog 1 (zebrafish) (Heg1), transcript variant 1, mRNA.	Mme-M400006466	ILMN_2920200	0	0
117599	Helb	-0.105	0.051	0.041	0	0	0	0	0	0	NM_080446	helicase (DNA) B (Helb), mRNA.	Mme-M300002072	ILMN_2792362	0	0
15201	Hells	0.113	0.045	0.071	0	0	0	0	0	0	NM_008234	helicase, lymphoid specific (Hells), mRNA.	Mme-M200014977	ILMN_2619885	0	0
191578	Helq	-0.219	-0.106	0.062	0	0	0	0	0	0	NM_001081107	helicase, mus308-like (Drosophila) (Hel308), mRNA.	Mme-M300009814	ILMN_3025192	0	0
234219	Helt	-0.408	0.017	-0.006	0	0	0	0	0	0	NM_173789	Hey-like transcription factor (zebrafish) (Helt), mRNA.	Mme-M300018026	ILMN_2701162	0	0
78455	Helz	0.025	-0.082	-0.048	0	0	0	0	0	0	NM_198298	helicase with zinc finger domain (Helz), mRNA.	Mme-M200008267	ILMN_1245734	0	0
229003	Helz2	0.021	0.410	0.168	0	0	0	0	0	0	NM_183162	cDNA sequence BC006779 (BC006779), mRNA.	Mme-M300005705	ILMN_1226639	0	0
93966	Hemgn	0.007	0.133	0.113	0	0	0	0	0	0	NM_053149	hemogen (Hemgn), mRNA.	Mme-M200005203	ILMN_1239447	0	0
69536	Hemk1	0.049	-0.034	-0.187	0	0	0	0	0	0	NM_133984	HemK methyltransferase family member 1 (Hemk1), mRNA.	Mme-M200014188	ILMN_2666272	0	0
15202	Hemt1	-0.086	-0.027	-0.003	0	0	0	0	0	0	NM_010416	hematopoietic cell transcript 1 (Hemt1), mRNA.	Mme-M400012697	ILMN_3162214	0	0
66715	Henmt1	0.122	0.026	0.030	0	0	0	0	0	0	NM_001078646	RIKEN cDNA 4921515J06 gene (4921515J06Rik), transcript variant 2, mRNA.	Mme-M200009989	ILMN_1218166	0	0
72927	Hepacam	-0.015	0.100	-0.057	0	0	0	0	0	0	NM_175189	hepatocyte cell adhesion molecule (Hepacam), mRNA.	Mme-M200008173	ILMN_2615762	0	0
101202	Hepacam2	-0.065	-0.014	0.035	0	0	0	0	0	0	NM_178899	expressed sequence AI987662 (AI987662), mRNA.	Mme-M400002858	ILMN_2700050	0	0
15203	Heph	0.086	0.095	-0.098	0	0	0	0	0	0	NM_010417	hephaestin (Heph), transcript variant 1, mRNA.	Mme-M200005573	ILMN_2726128	0	0
244698	Hephl1	-0.180	0.066	-0.046	0	0	0	0	0	0	XM_146812	PREDICTED: hephaestin-like 1 (Hephl1), mRNA.	Mme-M400001415	ILMN_1238878	0	0
235439	Herc1	0.103	-0.343	-0.190	0	0	0	0	0	0	XM_918072	PREDICTED: hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (I	Mme-M200009858	ILMN_2637982	0	0
15204	Herc2	-0.012	-0.187	0.093	0	0	0	0	0	0	NM_010418	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 2 (Herc2	Mme-M300007236	ILMN_2717727	0	0
73998	Herc3	0.079	-0.091	-0.093	0	0	0	0	0	0	NM_028705	hect domain and RLD 3 (Herc3), mRNA.	Mme-M200013460	ILMN_1221028	0	0
67345	Herc4	0.067	-0.141	0.186	0	0	0	0	0	0	NM_026101	hect domain and RLD 4 (Herc4), mRNA.	Mme-M200002270	ILMN_2698689	0	0
64209	Herpud1	-0.003	0.078	0.082	0	0	0	0	0	0	NM_022331	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 (Herpud1), m	Mme-M200006352	ILMN_2790241	0	0
80517	Herpud2	0.273	-0.220	-0.168	0	0	0	0	0	0	NM_020586	HERPUD family member 2 (Herpud2), mRNA.	Mme-M200009424	ILMN_2751158	0	0
15205	Hes1	0.175	-0.368	0.006	0	0	0	0	0	0	NM_008235	hairy and enhancer of split 1 (Drosophila) (Hes1), mRNA.	Mme-M200001751	ILMN_1247691	0	0
15206	Hes2	-0.248	0.028	-0.054	0	0	0	0	0	0	NM_008236	hairy and enhancer of split 2 (Drosophila) (Hes2), mRNA.	Mme-M200014899	ILMN_2678324	0	0
15207	Hes3	-0.104	0.027	-0.027	0	0	0	0	0	0	NM_008237	hairy and enhancer of split 3 (Drosophila) (Hes3), mRNA.	Mme-M300006384	ILMN_2701992	0	0
15208	Hes5	-0.103	0.109	-0.088	0	0	0	0	0	0	NM_010419	hairy and enhancer of split 5 (Drosophila) (Hes5), mRNA.	Mme-M300018827	ILMN_1253414	0	0
55927	Hes6	0.182	-0.233	-0.130	0	0	0	0	0	0	NM_019479	hairy and enhancer of split 6 (Drosophila) (Hes6), mRNA.	Mme-M400011312	ILMN_2791952	0	0
84653	Hes7	-0.157	-0.039	-0.038	0	0	0	0	0	0	NM_033041	hairy and enhancer of split 7 (Drosophila) (Hes7), mRNA.	Mme-M200012188	ILMN_2772620	0	0
15209	Hesx1	-0.039	0.081	0.036	0	0	0	0	0	0	NM_010420	homeo box gene expressed in ES cells (Hesx1), mRNA.	Mme-M200001963	ILMN_2751927	0	0
15211	Hexa	0.161	0.106	0.090	0	0	0	0	0	0	NM_010421	hexosaminidase A (Hexa), mRNA.	Mme-M200000865	ILMN_2773624	0	0
15212	Hexb	0.093	-0.119	0.249	0	0	0	0	0	0	NM_010422	hexosaminidase B (Hexb), mRNA.	Mme-M200005712	ILMN_2829330	0	0
238023	Hexdc	-0.106	-0.156	-0.150	0	0	0	0	0	0	NM_001001333	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing (Hexdc), mRNA.	Mme-M300012092	ILMN_1259158	0	0
192231	Hexim1	0.294	-0.033	-0.164	0	0	0	0	0	0	NM_138753	hexamethylene bis-acetamide inducible 1 (Hexim1), mRNA.	Mme-M400003475	ILMN_2631994	0	0
15213	Hey1	-0.575	0.148	-0.042	0	0	0	0	0	0	NM_010423	hairy/enhancer-of-split related with YRPW motif 1 (Hey1), mRNA.	Mme-M200006544	ILMN_2690596	0	0
15214	Hey2	-0.143	0.412	0.207	0	0	0	0	0	0	NM_013904	hairy/enhancer-of-split related with YRPW motif 2 (Hey2), mRNA.	Mme-M200008543	ILMN_2657207	0	0
56198	Heyl	0.086	-0.114	-0.087	0	0	0	0	0	0	NM_013905	hairy/enhancer-of-split related with YRPW motif-like (Heyl), mRNA.	Mme-M200008556	ILMN_1213139	0	0
15216	Hfe	0.130	0.036	-0.128	0	0	0	0	0	0	NM_010424	hemochromatosis (Hfe), mRNA.	Mme-M400000135	ILMN_2870696	0	0
69585	Hfe2	0.933	0.071	0.073	1	0	0	1	0	0	NM_027126	hemochromatosis type 2 (juvenile) (human homolog) (Hfe2), mRNA.	Mme-M200016372	ILMN_2688089	1	0
330149	Hfm1	-0.107	-0.048	-0.010	0	0	0	0	0	0	XM_987051	PREDICTED: HFM1, ATP-dependent DNA helicase homolog (S. cerevisiae) (Hfm1), mRNA.	Mme-M400002750	ILMN_2537579	0	0
15233	Hgd	0.004	0.006	0.034	0	0	0	0	0	0	NM_013547	homogentisate 1, 2-dioxygenase (Hgd), mRNA.	Mme-M200009925	ILMN_1212739	0	0
15234	Hgf	-0.020	0.057	-0.034	0	0	0	0	0	0	NM_010427	hepatocyte growth factor (Hgf), mRNA.	Mme-M200003387	ILMN_2729117	0	0
54426	Hgfac	-0.004	0.027	0.047	0	0	0	0	0	0	NM_019447	hepatocyte growth factor activator (Hgfac), mRNA.	Mme-M200005527	ILMN_2994299	0	0
59053	Hgh1	-0.325	-0.172	0.029	0	0	0	0	0	0	NM_021555	brain protein 16 (Brp16), mRNA.	Mme-M300003366	ILMN_2850402	0	0
15239	Hgs	-0.163	0.195	-0.163	0	0	0	0	0	0	NM_008244	HGF-regulated tyrosine kinase substrate (Hgs), mRNA.	Mme-M300004771	ILMN_2641438	0	0
52120	Hgsnat	0.186	-0.145	0.051	0	0	0	0	0	0	NM_029884	heparan-alpha-glucosaminide N-acetyltransferase (Hgsnat), mRNA.	Mme-M300010830	ILMN_2773699	0	0
226861	Hhat	-0.188	-0.027	-0.144	0	0	0	0	0	0	NM_144881	hedgehog acyltransferase (Hhat), mRNA.	Mme-M200012781	ILMN_2864913	0	0
74770	Hhatl	0.190	0.173	-0.198	0	0	0	0	0	0	NM_029095	hedgehog acyltransferase-like (Hhatl), mRNA.	Mme-M200014047	ILMN_2707207	0	0
15242	Hhex	-0.006	0.154	0.126	0	0	0	0	0	0	NM_008245	hematopoietically expressed homeobox (Hhex), mRNA.	Mme-M200007438	ILMN_1245731	0	0
15245	Hhip	-0.106	0.006	-0.001	0	0	0	0	0	0	NM_020259	Hedgehog-interacting protein (Hhip), mRNA.	Mme-M200008617	ILMN_2684250	0	0
214305	Hhipl1	0.123	-0.041	0.018	0	0	0	0	0	0	NM_001044380	hedgehog interacting protein-like 1 (Hhipl1), mRNA.	Mme-M300002652	ILMN_2963511	0	0
15247	Hiat1	0.222	-0.008	-0.039	0	0	0	0	0	0	NM_008246	hippocampus abundant gene transcript 1 (Hiat1), mRNA.	Mme-M200001456	ILMN_2726252	0	0
66631	Hiatl1	0.225	-0.054	0.093	0	0	0	0	0	0	NM_001083901	hippocampus abundant transcript-like 1 (Hiatl1), transcript variant 2, mRNA.	Mme-M200001089	ILMN_2796878	0	0
58875	Hibadh	0.224	0.007	-0.033	0	0	0	0	0	0	NM_145567	3-hydroxyisobutyrate dehydrogenase (Hibadh), mRNA.	Mme-M300006865	ILMN_1247221	0	0
227095	Hibch	0.222	-0.015	-0.032	0	0	0	0	0	0	NM_146108	3-hydroxyisobutyryl-Coenzyme A hydrolase (Hibch), mRNA.	Mme-M300013169	ILMN_2635150	0	0
15248	Hic1	-0.035	-0.067	-0.018	0	0	0	0	0	0	NM_001098203	hypermethylated in cancer 1 (Hic1), transcript variant 2, mRNA.	Mme-M200014995	ILMN_2729197	0	0
58180	Hic2	-0.094	0.041	-0.078	0	0	0	0	0	0	NM_178922	hypermethylated in cancer 2 (Hic2), mRNA.	Mme-M300020945	ILMN_2677332	0	0
217310	Hid1	-0.009	0.306	-0.162	0	0	0	0	0	0	NM_175454	RIKEN cDNA C630004H02 gene (C630004H02Rik), mRNA.	Mme-M300009432	ILMN_1228783	0	0
15251	Hif1a	0.237	-0.045	0.009	0	0	0	0	0	0	NM_010431	hypoxia inducible factor 1, alpha subunit (Hif1a), mRNA.	Mme-M200001484	ILMN_2852034	0	0
319594	Hif1an	0.248	0.076	0.107	0	0	0	0	0	0	NM_176958	hypoxia-inducible factor 1, alpha subunit inhibitor (Hif1an), mRNA.	Mme-M200015664	ILMN_1220642	0	0
53417	Hif3a	-0.076	-0.289	-0.291	0	0	0	0	0	0	NM_016868	hypoxia inducible factor 3, alpha subunit (Hif3a), mRNA.	Mme-M400011268	ILMN_2649671	0	0
56295	Higd1a	-0.078	-0.061	0.100	0	0	0	0	0	0	NM_019814	HIG1 domain family, member 1A (Higd1a), mRNA.	Mme-M400002132	ILMN_2644630	0	0
75689	Higd1b	0.143	0.062	-0.076	0	0	0	0	0	0	NM_080846	HIG1 domain family, member 1B (Higd1b), mRNA.	Mme-M200014091	ILMN_2852925	0	0
380975	Higd1c	-0.231	-0.042	0.050	0	0	0	0	0	0	NM_001002900	HIG1 domain family, member 1C (Higd1c), mRNA.	Mme-M400008982	ILMN_2528904	0	0
67044	Higd2a	0.003	0.070	-0.072	0	0	0	0	0	0	NM_025933	HIG1 domain family, member 2A (Higd2a), mRNA.	Mme-M200006445	ILMN_1255823	0	0
69573	Hilpda	0.219	-0.142	-0.100	0	0	0	0	0	0	NM_023516	RIKEN cDNA 2310016C08 gene (2310016C08Rik), mRNA.	Mme-M300014493	ILMN_1239221	0	0
54388	Hils1	-0.033	0.024	0.045	0	0	0	0	0	0	NM_018792	histone H1-like protein in spermatids 1 (Hils1), mRNA.	Mme-M200006963	ILMN_1222347	0	0
102423	Hinfp	-0.198	0.150	0.076	0	0	0	0	0	0	NM_172162	MBD2-interacting zinc finger (Mizf), mRNA.	Mme-M300008088	ILMN_2618038	0	0
15254	Hint1	0.206	0.042	-0.026	0	0	0	0	0	0	NM_008248	histidine triad nucleotide binding protein 1 (Hint1), mRNA.	Mme-M200000158	ILMN_2723631	0	0
68917	Hint2	0.154	-0.237	-0.098	0	0	0	0	0	0	NM_026871	histidine triad nucleotide binding protein 2 (Hint2), mRNA.	Mme-M200005089	ILMN_2759598	0	0
66847	Hint3	0.084	-0.034	0.090	0	0	0	0	0	0	NM_025798	histidine triad nucleotide binding protein 3 (Hint3), mRNA.	Mme-M200014438	ILMN_2757092	0	0
215114	Hip1	0.056	-0.339	0.252	0	0	0	0	0	0	NM_146001	huntingtin interacting protein 1 (Hip1), mRNA.	Mme-M200014693	ILMN_1245338	0	0
29816	Hip1r	0.144	0.097	-0.038	0	0	0	0	0	0	NM_145070	huntingtin interacting protein 1 related (Hip1r), mRNA.	Mme-M200009589	ILMN_2780848	0	0
15257	Hipk1	0.037	-0.089	0.015	0	0	0	0	0	0	NM_010432	homeodomain interacting protein kinase 1 (Hipk1), mRNA.	Mme-M200003942	ILMN_2449466	0	0
15259	Hipk3	0.304	-0.066	-0.124	0	0	0	0	0	0	NM_010434	homeodomain interacting protein kinase 3 (Hipk3), mRNA.	Mme-M200003868	ILMN_1253204	0	0
15260	Hira	0.172	-0.112	-0.149	0	0	0	0	0	0	NM_010435	histone cell cycle regulation defective homolog A (S. cerevisiae) (Hira), mRNA.	Mme-M400000602	ILMN_2651880	0	0
233876	Hirip3	0.342	0.095	-0.108	0	0	0	0	0	0	NM_172746	HIRA interacting protein 3 (Hirip3), mRNA.	Mme-M300013785	ILMN_1215898	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
80838	Hist1h1a	0.266	-0.061	-0.022	0	0	0	0	0	0	NM_030609	histone cluster 1, H1a (Hist1h1a), mRNA.	Mme-M300020280	ILMN_2630521	0	0
56702	Hist1h1b	0.432	0.055	-0.082	0	0	0	0	0	0	NM_020034	histone cluster 1, H1b (Hist1h1b), mRNA.	Mme-M400006492	ILMN_2664593	0	0
50708	Hist1h1c	0.038	-0.233	0.046	0	0	0	0	0	0	NM_015786	histone cluster 1, H1c (Hist1h1c), mRNA.	Mme-M300010273	ILMN_2774537	0	0
14957	Hist1h1d	0.022	0.018	-0.024	0	0	0	0	0	0	NM_145713	histone cluster 1, H1d (Hist1h1d), mRNA.	Mme-M300016465	ILMN_1217657	0	0
50709	Hist1h1e	-0.193	0.003	0.008	0	0	0	0	0	0	NM_015787	histone cluster 1, H1e (Hist1h1e), mRNA.	Mme-M400003850	ILMN_2713491	0	0
107970	Hist1h1t	-0.081	0.053	0.014	0	0	0	0	0	0	NM_010377	histone cluster 1, H1t (Hist1h1t), mRNA.	Mme-M200002664	ILMN_2644569	0	0
319163	Hist1h2aa	0.113	0.003	-0.051	0	0	0	0	0	0	NM_175658	histone cluster 1, H2aa (Hist1h2aa), mRNA.	Mme-M300019586	ILMN_1233518	0	0
319172	Hist1h2ab	0.239	0.004	-0.071	0	0	0	0	0	0	NM_175660	histone cluster 1, H2ab (Hist1h2ab), mRNA.	Mme-M400007457	ILMN_2704873	0	0
319164	Hist1h2ac	-0.342	0.000	0.083	0	0	0	0	0	0	NM_178189	histone cluster 1, H2ac (Hist1h2ac), mRNA.	Mme-M400012460	ILMN_2666418	0	0
319165	Hist1h2ad	0.024	0.155	-0.259	0	0	0	0	0	0	NM_178188	histone cluster 1, H2ad (Hist1h2ad), mRNA.	Mme-M400012458	ILMN_1226839	0	0
319166	Hist1h2ae	0.529	-0.190	-0.068	0	0	0	0	0	0	NM_178187	histone cluster 1, H2ae (Hist1h2ae), mRNA.	Mme-M400012459	ILMN_2751102	0	0
319173	Hist1h2af	0.071	-0.128	-0.385	0	0	-1	0	0	0	NM_175661	histone cluster 1, H2af (Hist1h2af), mRNA.	Mme-M400007629	ILMN_2795040	0	0
319168	Hist1h2ah	0.114	-0.202	-0.342	0	0	-1	0	0	0	NM_175659	histone cluster 1, H2ah (Hist1h2ah), mRNA.	Mme-M400012322	ILMN_2745212	0	0
319169	Hist1h2ak	0.056	0.149	-0.362	0	0	-1	0	0	0	NM_178183	histone cluster 1, H2ak (Hist1h2ak), mRNA.	Mme-M400008863	ILMN_2847144	0	0
319170	Hist1h2an	0.179	0.173	-0.203	0	0	0	0	0	0	NM_178184	histone cluster 1, H2an (Hist1h2an), mRNA.	Mme-M400008865	ILMN_1248830	0	0
319171	Hist1h2ap	0.107	0.211	-0.284	0	0	0	0	0	0	NM_178185	histone cluster 1, H2ao (Hist1h2ao), mRNA.	Mme-M400012457	ILMN_2836654	0	0
319177	Hist1h2ba	-0.022	0.041	0.039	0	0	0	0	0	0	NM_175663	histone cluster 1, H2ba (Hist1h2ba), mRNA.	Mme-M300021466	ILMN_2589152	0	0
68024	Hist1h2bc	0.318	-0.293	-0.013	0	0	0	0	0	0	NM_023422	histone cluster 1, H2bc (Hist1h2bc), mRNA.	Mme-M300001635	ILMN_2677231	0	0
319179	Hist1h2be	-0.454	-0.266	-0.089	0	0	0	0	0	0	NM_178194	histone cluster 1, H2be (Hist1h2be), mRNA.	Mme-M400003279	ILMN_2676243	0	0
319180	Hist1h2bf	0.070	-0.255	0.054	0	0	0	0	0	0	NM_178195	histone cluster 1, H2bf (Hist1h2bf), mRNA.	Mme-M400008873	ILMN_2719202	0	0
319181	Hist1h2bg	0.260	-0.049	-0.093	0	0	0	0	0	0	NM_178196	histone cluster 1, H2bg (Hist1h2bg), mRNA.	Mme-M400006314	ILMN_1224479	0	0
319182	Hist1h2bh	0.069	-0.304	-0.034	0	0	0	0	0	0	NM_178197	histone cluster 1, H2bh (Hist1h2bh), mRNA.	Mme-M400008872	ILMN_2716195	0	0
319183	Hist1h2bj	0.170	-0.316	-0.135	0	0	0	0	0	0	NM_178198	histone cluster 1, H2bj (Hist1h2bj), mRNA.	Mme-M400008866	ILMN_2652511	0	0
319184	Hist1h2bk	0.182	-0.325	0.037	0	0	0	0	0	0	NM_175665	histone cluster 1, H2bk (Hist1h2bk), mRNA.	Mme-M400007964	ILMN_2655785	0	0
319186	Hist1h2bm	-0.007	-0.287	0.015	0	0	0	0	0	0	NM_178200	histone cluster 1, H2bm (Hist1h2bm), mRNA.	Mme-M400008861	ILMN_2891646	0	0
360198	Hist1h3a	0.584	-0.072	0.139	0	0	0	0	0	0	NM_013550	histone cluster 1, H3a (Hist1h3a), mRNA.	Mme-M400011202	ILMN_2945694	0	0
319149	Hist1h3d	0.146	-0.180	0.009	0	0	0	0	0	0	NM_178204	histone cluster 1, H3d (Hist1h3d), mRNA.	Mme-M400012463	ILMN_2729958	0	0
260423	Hist1h3f	0.071	0.020	-0.030	0	0	0	0	0	0	NM_013548	histone cluster 1, H3f (Hist1h3f), mRNA.	Mme-M400011201	ILMN_1213473	0	0
97908	Hist1h3g	0.396	-0.035	-0.048	0	0	0	0	0	0	NM_145073	histone cluster 1, H3g (Hist1h3g), mRNA.	Mme-M300016198	ILMN_3002290	0	0
326620	Hist1h4b	-0.041	0.039	0.050	0	0	0	0	0	0	NM_178193	histone cluster 1, H4b (Hist1h4b), mRNA.	Mme-M400008876	ILMN_1213257	0	0
319155	Hist1h4c	-0.068	-0.081	-0.072	0	0	0	0	0	0	NM_178208	histone cluster 1, H4c (Hist1h4c), mRNA.	Mme-M400008874	ILMN_2588244	0	0
319156	Hist1h4d	-0.230	-0.030	-0.056	0	0	0	0	0	0	NM_175654	histone cluster 1, H4d (Hist1h4d), mRNA.	Mme-M400007604	ILMN_1251885	0	0
319157	Hist1h4f	0.029	-0.438	-0.105	0	-1	0	0	0	0	NM_175655	histone cluster 1, H4f (Hist1h4f), mRNA.	Mme-M400007082	ILMN_1222313	0	0
69386	Hist1h4h	0.054	-0.320	-0.197	0	0	0	0	0	0	NM_153173	histone cluster 1, H4h (Hist1h4h), mRNA.	Mme-M200009516	ILMN_2664129	0	0
319158	Hist1h4i	0.072	-0.310	-0.021	0	0	0	0	0	0	NM_175656	histone cluster 1, H4i (Hist1h4i), mRNA.	Mme-M400006249	ILMN_1232524	0	0
319160	Hist1h4k	-0.131	-0.244	-0.123	0	0	0	0	0	0	NM_178211	histone cluster 1, H4k (Hist1h4k), mRNA.	Mme-M400008862	ILMN_1243654	0	0
319161	Hist1h4n	-0.139	-0.468	-0.120	0	-1	0	0	0	0	NM_175657	histone cluster 1, H4m (Hist1h4m), mRNA.	Mme-M400012321	ILMN_2597653	0	0
15267	Hist2h2aa1	0.243	-0.407	-0.474	0	0	-1	0	0	-1	NM_013549	histone cluster 2, H2aa1 (Hist2h2aa1), mRNA.	Mme-M400008600	ILMN_1231053	0	1
319176	Hist2h2ac	0.072	0.056	-0.330	0	0	-1	0	0	0	NM_175662	histone cluster 2, H2ac (Hist2h2ac), mRNA.	Mme-M400012323	ILMN_1218380	0	0
319190	Hist2h2be	0.239	-0.508	0.163	0	-1	0	0	0	0	NM_178214	histone cluster 2, H2be (Hist2h2be), mRNA.	Mme-M400012324	ILMN_1231066	0	0
15077	Hist2h3c1	0.087	-0.078	0.138	0	0	0	0	0	0	NM_019469	histone cluster 2, H3c1 (Hist2h3c1), transcript variant 1, mRNA.	Mme-M400011311	ILMN_3136540	0	0
97122	Hist2h4	-0.175	-0.104	0.068	0	0	0	0	0	0	NM_033596	histone cluster 2, H4 (Hist2h4), mRNA.	Mme-M400007644	ILMN_2626619	0	0
319162	Hist3h2a	-0.091	-0.098	-0.004	0	0	0	0	0	0	NM_178218	histone cluster 3, H2a (Hist3h2a), mRNA.	Mme-M400012466	ILMN_2629289	0	0
78303	Hist3h2ba	0.080	-0.053	0.233	0	0	0	0	0	0	NM_030082	histone cluster 3, H2ba (Hist3h2ba), mRNA.	Mme-M200005796	ILMN_2652022	0	0
382522	Hist3h2bb-ps	-0.126	-0.039	-0.059	0	0	0	0	0	0	NM_206882	histone cluster 3, H2bb (Hist3h2bb), mRNA.	Mme-M400006671	ILMN_1257212	0	0
320332	Hist4h4	0.021	-0.158	0.086	0	0	0	0	0	0	NM_175652	histone cluster 4, H4 (Hist4h4), mRNA.	Mme-M400007914	ILMN_2985127	0	0
110521	Hivep1	-0.030	-0.094	-0.131	0	0	0	0	0	0	NM_007772	human immunodeficiency virus type I enhancer binding protein 1 (Hivep1), mRNA.	Mme-M300002725	ILMN_2657800	0	0
15273	Hivep2	0.376	0.034	-0.090	0	0	0	0	0	0	NM_010437	human immunodeficiency virus type I enhancer binding protein 2 (Hivep2), mRNA.	Mme-M200013900	ILMN_1246789	0	0
16656	Hivep3	0.044	-0.094	0.180	0	0	0	0	0	0	NM_010657	human immunodeficiency virus type I enhancer binding protein 3 (Hivep3), mRNA.	Mme-M400001101	ILMN_2627929	0	0
381280	Hjurp	0.027	-0.358	-0.047	0	0	0	0	0	0	NM_198652	RIKEN cDNA 6430706D22 gene (6430706D22Rik), mRNA.	Mme-M400002943	ILMN_3011719	0	0
15275	Hk1	0.053	0.232	0.033	0	0	0	0	0	0	NM_010438	hexokinase 1 (Hk1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400001966	ILMN_2644025	0	0
15277	Hk2	0.240	0.040	-0.040	0	0	0	0	0	0	NM_013820	hexokinase 2 (Hk2), mRNA.	Mme-M200000967	ILMN_1239397	0	0
212032	Hk3	0.240	0.879	0.125	0	1	0	0	1	0	NM_001033245	hexokinase 3 (Hk3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000867	ILMN_3161013	1	0
216019	Hkdc1	-0.314	0.017	0.009	0	0	0	0	0	0	NM_145419	hexokinase domain containing 1 (Hkdc1), mRNA.	Mme-M200013276	ILMN_2658130	0	0
110948	Hlcs	0.097	-0.025	-0.096	0	0	0	0	0	0	NM_139145	holocarboxylase synthetase (biotin- [propriony-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase) (Hlcs), mRNA	Mme-M400002439	ILMN_2695867	0	0
217082	Hlf	0.145	-0.041	-0.029	0	0	0	0	0	0	NM_172563	hepatic leukemia factor (Hlf), mRNA.	Mme-M300000495	ILMN_2759687	0	0
20585	Hltf	-0.159	-0.183	0.200	0	0	0	0	0	0	NM_009210	helicase-like transcription factor (Hltf), transcript variant 1, mRNA.	Mme-M200001500	ILMN_1219759	0	0
15284	Hlx	0.202	0.277	0.025	0	0	0	0	0	0	NM_008250	H2.0-like homeobox (Hlx), mRNA.	Mme-M200000522	ILMN_2637757	0	0
219150	Hmbox1	-0.165	-0.126	0.091	0	0	0	0	0	0	NM_177338	homeobox containing 1 (Hmbox1), mRNA.	Mme-M300003035	ILMN_2664219	0	0
15288	Hmbs	0.184	-0.017	-0.051	0	0	0	0	0	0	NM_001110251	hydroxymethylbilane synthase (Hmbs), transcript variant 2, mRNA.	Mme-M200000677	ILMN_1250541	0	0
232210	Hmces	0.201	0.054	-0.015	0	0	0	0	0	0	NM_173737	RIKEN cDNA 8430410A17 gene (8430410A17Rik), mRNA.	Mme-M200004350	ILMN_2604263	0	0
545370	Hmcn1	-0.111	0.100	-0.146	0	0	0	0	0	0	NM_001024720	hemicentin 1 (Hmcn1), mRNA.	Mme-M400009798	ILMN_1245853	0	0
66867	Hmg20a	0.079	0.033	0.025	0	0	0	0	0	0	NM_025812	high mobility group 20A (Hmg20a), mRNA.	Mme-M200009607	ILMN_2650327	0	0
15353	Hmg20b	0.089	-0.045	-0.023	0	0	0	0	0	0	NM_010440	high mobility group 20 B (Hmg20b), mRNA.	Mme-M200008078	ILMN_1232386	0	0
15361	Hmga1	0.080	0.297	-0.023	0	0	0	0	0	0	NM_001025427	high mobility group AT-hook 1 (Hmga1), transcript variant 2, mRNA.	Mme-M300017599	ILMN_2715802	0	0
15364	Hmga2	-0.262	0.055	-0.045	0	0	0	0	0	0	NM_010441	high mobility group AT-hook 2 (Hmga2), mRNA.	Mme-M300015737	ILMN_2763100	0	0
15289	Hmgb1	0.214	-0.104	0.037	0	0	0	0	0	0	NM_010439	high mobility group box 1 (Hmgb1), mRNA.	Mme-M400014715	ILMN_1242911	0	0
97165	Hmgb2	0.094	0.094	0.448	0	0	1	0	0	1	NM_008252	high mobility group box 2 (Hmgb2), mRNA.	Mme-M400012694	ILMN_3156604	1	0
15354	Hmgb3	0.057	0.053	0.014	0	0	0	0	0	0	NM_008253	high mobility group box 3 (Hmgb3), mRNA.	Mme-M300001378	ILMN_1241213	0	0
69317	Hmgb4	-0.388	-0.016	-0.048	0	0	0	0	0	0	NM_027036	high-mobility group box 4 (Hmgb4), mRNA.	Mme-M200003862	ILMN_2741149	0	0
75242	Hmgb4os	-0.223	-0.055	0.099	0	0	0	0	0	0	XM_001474811	PREDICTED: RIKEN cDNA 4930546G22 gene (4930546G22Rik), mRNA.	Mme-M400014346	ILMN_2549225	0	0
15356	Hmgcl	0.193	-0.034	-0.119	0	0	0	0	0	0	NM_008254	3-hydroxy-3-methylglutaryl-Coenzyme A lyase (Hmgcl), mRNA.	Mme-M400010811	ILMN_1256234	0	0
208982	Hmgcll1	-0.217	0.007	0.058	0	0	0	0	0	0	NM_173731	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase-like 1 (Hmgcll1), mRNA.	Mme-M300000940	ILMN_2764047	0	0
15357	Hmgcr	0.068	-0.040	-0.016	0	0	0	0	0	0	NM_008255	3-hydroxy-3-methylglutaryl-Coenzyme A reductase (Hmgcr), mRNA.	Mme-M400008904	ILMN_1225718	0	0
208715	Hmgcs1	-0.154	-0.077	0.071	0	0	0	0	0	0	NM_145942	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (Hmgcs1), mRNA.	Mme-M400009663	ILMN_2654952	0	0
15360	Hmgcs2	-0.120	-0.423	0.031	0	-1	0	0	0	0	NM_008256	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (Hmgcs2), nuclear gene encoding mitochondrial protein, mR	Mme-M400001036	ILMN_1216322	0	0
15331	Hmgn2	0.360	0.249	0.131	0	0	0	0	0	0	NM_016957	high mobility group nucleosomal binding domain 2 (Hmgn2), mRNA.	Mme-M400000066	ILMN_1238360	0	0
94353	Hmgn3	0.324	0.082	-0.108	0	0	0	0	0	0	NM_026122	high mobility group nucleosomal binding domain 3 (Hmgn3), transcript variant 1, mRNA.	Mme-M400011535	ILMN_2644719	0	0
50887	Hmgn5	-0.040	-0.058	0.028	0	0	0	0	0	0	NM_016710	nucleosome binding protein 1 (Nsbp1), mRNA.	Mme-M200003907	ILMN_2740445	0	0
106894	Hmgxb3	-0.042	-0.118	-0.038	0	0	0	0	0	0	NM_134134	RIKEN cDNA A630042L21 gene (A630042L21Rik), transcript variant 2, mRNA.	Mme-M200005626	ILMN_1246992	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70823	Hmgxb4	-0.019	0.075	0.197	0	0	0	0	0	0	NM_178017	high mobility group box 2-like 1 (Hmgb2l1), mRNA.	Mme-M200007090	ILMN_2795395	0	0
70719	Hmha1	0.069	0.463	0.200	0	1	0	0	0	0	NM_027521	histocompatibility (minor) HA-1 (Hmha1), mRNA.	Mme-M200002211	ILMN_2685023	0	0
15366	Hmmr	-0.222	-0.027	0.043	0	0	0	0	0	0	NM_013552	hyaluronan mediated motility receptor (RHAMM) (Hmmr), mRNA.	Mme-M400000383	ILMN_2681054	0	0
15368	Hmox1	0.073	0.072	-0.092	0	0	0	0	0	0	NM_010442	heme oxygenase (decycling) 1 (Hmox1), mRNA.	Mme-M200003564	ILMN_2788073	0	0
15371	Hmx1	0.069	-0.141	-0.066	0	0	0	0	0	0	NM_010445	H6 homeo box 1 (Hmx1), mRNA.	Mme-M400011039	ILMN_2677766	0	0
15372	Hmx2	-0.072	-0.013	-0.017	0	0	0	0	0	0	NM_145998	H6 homeo box 2 (Hmx2), mRNA.	Mme-M300020811	ILMN_3161049	0	0
15373	Hmx3	-0.016	0.020	0.050	0	0	0	0	0	0	NM_008257	H6 homeo box 3 (Hmx3), mRNA.	Mme-M300012539	ILMN_2647637	0	0
15374	Hn1	0.089	0.171	0.091	0	0	0	0	0	0	NM_008258	hematological and neurological expressed sequence 1 (Hn1), mRNA.	Mme-M200000693	ILMN_2914744	0	0
52009	Hn1l	0.091	0.008	-0.038	0	0	0	0	0	0	NM_198937	hematological and neurological expressed 1-like (Hn1l), mRNA.	Mme-M400000721	ILMN_2851251	0	0
21410	Hnf1b	-0.068	0.089	-0.063	0	0	0	0	0	0	NM_009330	HNF1 homeobox B (Hnf1b), mRNA.	Mme-M200002503	ILMN_1249360	0	0
15378	Hnf4a	-0.106	0.006	-0.146	0	0	0	0	0	0	NM_008261	hepatic nuclear factor 4, alpha (Hnf4a), mRNA.	Mme-M300001623	ILMN_1237767	0	0
30942	Hnf4g	0.160	-0.016	-0.028	0	0	0	0	0	0	NM_013920	hepatocyte nuclear factor 4, gamma (Hnf4g), mRNA.	Mme-M200013824	ILMN_1239947	0	0
140483	Hnmt	-0.110	-0.101	0.043	0	0	0	0	0	0	NM_080462	histamine N-methyltransferase (Hnmt), mRNA.	Mme-M300005419	ILMN_2713463	0	0
15382	Hnrnpa1	-0.037	0.213	-0.219	0	0	0	0	0	0	NM_010447	heterogeneous nuclear ribonucleoprotein A1 (Hnrnpa1), transcript variant 1, mRNA.	Mme-M400007389	ILMN_1215332	0	0
53379	Hnrnpa2b1	0.304	0.304	0.112	0	0	0	0	0	0	NM_016806	heterogeneous nuclear ribonucleoprotein A2/B1 (Hnrnpa2b1), transcript variant 1, mRNA.	Mme-M300000628	ILMN_2508137	0	0
229279	Hnrnpa3	0.234	0.023	-0.086	0	0	0	0	0	0	NM_198090	heterogeneous nuclear ribonucleoprotein A3 (Hnrpa3), transcript variant a, mRNA.	Mme-M400006586	ILMN_1220620	0	0
15384	Hnrnpab	0.198	-0.180	0.072	0	0	0	0	0	0	NM_010448	heterogeneous nuclear ribonucleoprotein A/B (Hnrpab), transcript variant 2, mRNA.	Mme-M200000009	ILMN_2612423	0	0
15381	Hnrnpc	0.184	0.150	-0.006	0	0	0	0	0	0	NM_016884	heterogeneous nuclear ribonucleoprotein C (Hnrnpc), mRNA.	Mme-M300000570	ILMN_1235470	0	0
50926	Hnrnpdl	0.043	0.115	0.131	0	0	0	0	0	0	NM_016690	heterogeneous nuclear ribonucleoprotein D-like (Hnrpdl), mRNA.	Mme-M300006613	ILMN_2774965	0	0
98758	Hnrnpf	0.249	-0.010	-0.076	0	0	0	0	0	0	NM_133834	heterogeneous nuclear ribonucleoprotein F (Hnrpf), mRNA.	Mme-M300013496	ILMN_2829171	0	0
59013	Hnrnph1	0.168	-0.076	-0.175	0	0	0	0	0	0	NM_021510	heterogeneous nuclear ribonucleoprotein H1 (Hnrph1), mRNA.	Mme-M200004204	ILMN_2688923	0	0
56258	Hnrnph2	0.376	0.106	0.077	0	0	0	0	0	0	NM_019868	heterogeneous nuclear ribonucleoprotein H2 (Hnrph2), mRNA.	Mme-M400011341	ILMN_2596458	0	0
432467	Hnrnph3	-0.049	0.042	0.036	0	0	0	0	0	0	NM_001079824	heterogeneous nuclear ribonucleoprotein H3 (Hnrph3), mRNA.	Mme-M400000357	ILMN_2958912	0	0
15387	Hnrnpk	0.050	0.113	-0.055	0	0	0	0	0	0	NM_025279	heterogeneous nuclear ribonucleoprotein K (Hnrpk), mRNA.	Mme-M400000480	ILMN_2784821	0	0
15388	Hnrnpl	0.104	0.177	0.068	0	0	0	0	0	0	NM_177301	heterogeneous nuclear ribonucleoprotein L (Hnrnpl), mRNA.	Mme-M200002764	ILMN_2627690	0	0
76936	Hnrnpm	0.068	0.044	0.127	0	0	0	0	0	0	NM_001109913	heterogeneous nuclear ribonucleoprotein M (Hnrpm), transcript variant 2, mRNA.	Mme-M200009917	ILMN_2921103	0	0
74326	Hnrnpr	0.072	-0.073	0.026	0	0	0	0	0	0	NM_028871	heterogeneous nuclear ribonucleoprotein R (Hnrnpr), mRNA.	Mme-M400011652	ILMN_1226173	0	0
51810	Hnrnpu	0.097	-0.006	0.114	0	0	0	0	0	0	NM_016805	heterogeneous nuclear ribonucleoprotein U (Hnrnpu), mRNA.	Mme-M200000805	ILMN_1259775	0	0
232989	Hnrnpul1	0.190	0.091	0.090	0	0	0	0	0	0	NM_144922	heterogeneous nuclear ribonucleoprotein U-like 1 (Hnrpul1), transcript variant 1, mRNA.	Mme-M200013439	ILMN_2688429	0	0
68693	Hnrnpul2	0.254	-0.054	-0.109	0	0	0	0	0	0	NM_001081196	heterogeneous nuclear ribonucleoprotein U-like 2 (Hnrpul2), mRNA.	Mme-M400012993	ILMN_2531554	0	0
77134	Hnrpa0	0.198	0.236	-0.080	0	0	0	0	0	0	XM_891442	PREDICTED: heterogeneous nuclear ribonucleoprotein A0, transcript variant 2 (Hnrpa0), mRNA.	Mme-M400013013	ILMN_1247047	0	0
11991	Hnrpd	-0.240	-0.054	0.085	0	0	0	0	0	0	NM_001077267	heterogeneous nuclear ribonucleoprotein D (Hnrpd), transcript variant 4, mRNA.	Mme-M400000017	ILMN_2771260	0	0
72692	Hnrpll	0.445	-0.138	0.163	0	0	0	0	0	0	NM_144802	heterogeneous nuclear ribonucleoprotein L-like (Hnrpll), mRNA.	Mme-M200009392	ILMN_2768850	0	0
67432	Hoga1	-0.348	0.080	-0.108	0	0	0	0	0	0	NM_026152	RIKEN cDNA 0610010D20 gene (0610010D20Rik), mRNA.	Mme-M200004821	ILMN_2735415	0	0
26556	Homer1	0.473	0.032	0.118	0	0	0	0	0	0	NM_152134	homer homolog 1 (Drosophila) (Homer1), transcript variant d, mRNA.	Mme-M400008901	ILMN_1226785	0	0
26557	Homer2	-0.030	-0.235	-0.239	0	0	0	0	0	0	NM_011983	homer homolog 2 (Drosophila) (Homer2), mRNA.	Mme-M200000086	ILMN_2588474	0	0
26558	Homer3	0.225	0.030	-0.029	0	0	0	0	0	0	NM_011984	homer homolog 3 (Drosophila) (Homer3), mRNA.	Mme-M200002847	ILMN_1245733	0	0
239099	Homez	0.033	-0.119	-0.066	0	0	0	0	0	0	NM_183174	homeodomain leucine zipper-encoding gene (Homez), mRNA.	Mme-M300018801	ILMN_2757356	0	0
77963	Hook1	0.273	-0.074	0.060	0	0	0	0	0	0	NM_030014	hook homolog 1 (Drosophila) (Hook1), mRNA.	Mme-M300006163	ILMN_2605203	0	0
170833	Hook2	0.245	-0.107	-0.005	0	0	0	0	0	0	NM_133255	hook homolog 2 (Drosophila) (Hook2), mRNA.	Mme-M200003597	ILMN_1235962	0	0
320191	Hook3	0.120	-0.232	-0.095	0	0	0	0	0	0	NM_207659	hook homolog 3 (Drosophila) (Hook3), mRNA.	Mme-M300010812	ILMN_2625716	0	0
74318	Hopx	0.088	-0.179	0.128	0	0	0	0	0	0	NM_175606	HOP homeobox (Hopx), mRNA.	Mme-M200012032	ILMN_2548010	0	0
67981	Hormad1	0.040	0.037	-0.036	0	0	0	0	0	0	NM_026489	HORMA domain containing 1 (Hormad1), mRNA.	Mme-M300005946	ILMN_1257752	0	0
75828	Hormad2	0.147	-0.134	0.043	0	0	0	0	0	0	NM_029458	HORMA domain containing 2 (Hormad2), mRNA.	Mme-M200011055	ILMN_2929259	0	0
15394	Hoxa1	-0.046	0.035	0.063	0	0	0	0	0	0	NM_010449	homeo box A1 (Hoxa1), mRNA.	Mme-M300006906	ILMN_2703854	0	0
15395	Hoxa10	-0.247	-0.018	0.048	0	0	0	0	0	0	NM_008263	homeo box A10 (Hoxa10), transcript variant 1, mRNA.	Mme-M200000001	ILMN_2672443	0	0
15396	Hoxa11	-0.173	0.065	0.016	0	0	0	0	0	0	NM_010450	homeo box A11 (Hoxa11), mRNA.	Mme-M300011421	ILMN_2717079	0	0
15398	Hoxa13	-0.074	-0.075	-0.068	0	0	0	0	0	0	NM_008264	homeo box A13 (Hoxa13), mRNA.	Mme-M300011417	ILMN_3087004	0	0
15399	Hoxa2	-0.146	0.103	0.023	0	0	0	0	0	0	NM_010451	homeo box A2 (Hoxa2), mRNA.	Mme-M200000043	ILMN_2874270	0	0
15400	Hoxa3	0.388	0.043	-0.005	0	0	0	0	0	0	NM_010452	homeo box A3 (Hoxa3), mRNA.	Mme-M200013927	ILMN_1234863	0	0
15401	Hoxa4	-0.329	0.025	-0.030	0	0	0	0	0	0	NM_008265	homeo box A4 (Hoxa4), mRNA.	Mme-M300000132	ILMN_2755860	0	0
15402	Hoxa5	-0.225	0.172	0.112	0	0	0	0	0	0	NM_010453	homeo box A5 (Hoxa5), mRNA.	Mme-M200000062	ILMN_1217978	0	0
15403	Hoxa6	-0.195	-0.048	0.040	0	0	0	0	0	0	NM_010454	homeo box A6 (Hoxa6), mRNA.	Mme-M300014289	ILMN_2724039	0	0
15404	Hoxa7	-0.171	0.042	-0.030	0	0	0	0	0	0	NM_010455	homeo box A7 (Hoxa7), mRNA.	Mme-M200000051	ILMN_2621038	0	0
15405	Hoxa9	0.006	0.080	0.079	0	0	0	0	0	0	NM_010456	homeo box A9 (Hoxa9), mRNA.	Mme-M200001894	ILMN_2645155	0	0
15407	Hoxb1	-0.312	0.078	0.081	0	0	0	0	0	0	NM_008266	homeo box B1 (Hoxb1), mRNA.	Mme-M200000317	ILMN_2818750	0	0
103889	Hoxb2	-0.070	0.037	-0.064	0	0	0	0	0	0	NM_134032	homeo box B2 (Hoxb2), mRNA.	Mme-M400003353	ILMN_2598083	0	0
15410	Hoxb3	-0.410	-0.062	0.047	0	0	0	0	0	0	NM_010458	homeo box B3 (Hoxb3), transcript variant 2, mRNA.	Mme-M200001886	ILMN_2450689	0	0
15412	Hoxb4	-0.232	0.027	0.048	0	0	0	0	0	0	NM_010459	homeo box B4 (Hoxb4), mRNA.	Mme-M400002179	ILMN_1241077	0	0
15413	Hoxb5	-0.549	0.016	0.114	0	0	0	0	0	0	NM_008268	homeo box B5 (Hoxb5), mRNA.	Mme-M200000076	ILMN_1242977	0	0
15414	Hoxb6	-0.249	0.027	-0.005	0	0	0	0	0	0	NM_008269	homeo box B6 (Hoxb6), mRNA.	Mme-M200000081	ILMN_2675708	0	0
15415	Hoxb7	-0.013	-0.083	0.043	0	0	0	0	0	0	NM_010460	homeo box B7 (Hoxb7), mRNA.	Mme-M200001978	ILMN_2946183	0	0
15416	Hoxb8	-0.032	-0.070	0.006	0	0	0	0	0	0	NM_010461	homeo box B8 (Hoxb8), mRNA.	Mme-M400005578	ILMN_2687621	0	0
15417	Hoxb9	-0.317	-0.011	0.030	0	0	0	0	0	0	NM_008270	homeo box B9 (Hoxb9), mRNA.	Mme-M300002440	ILMN_2773921	0	0
209448	Hoxc10	-0.003	0.027	0.059	0	0	0	0	0	0	NM_010462	homeo box C10 (Hoxc10), mRNA.	Mme-M300003311	ILMN_2836888	0	0
109663	Hoxc11	-0.254	0.068	-0.056	0	0	0	0	0	0	NM_001024842	homeo box C11 (Hoxc11), mRNA.	Mme-M400000042	ILMN_2988178	0	0
15421	Hoxc12	-0.138	0.031	-0.002	0	0	0	0	0	0	NM_010463	homeo box C12 (Hoxc12), mRNA.	Mme-M300021025	ILMN_2620810	0	0
15422	Hoxc13	-0.422	0.081	-0.039	0	0	0	0	0	0	NM_010464	homeo box C13 (Hoxc13), mRNA.	Mme-M200013162	ILMN_2628366	0	0
15423	Hoxc4	-0.180	-0.184	0.054	0	0	0	0	0	0	NM_013553	homeo box C4 (Hoxc4), mRNA.	Mme-M400000576	ILMN_2521794	0	0
15424	Hoxc5	0.090	0.021	-0.057	0	0	0	0	0	0	NM_175730	homeo box C5 (Hoxc5), mRNA.	Mme-M200003860	ILMN_1230286	0	0
15425	Hoxc6	0.033	-0.057	0.118	0	0	0	0	0	0	NM_010465	homeo box C6 (Hoxc6), mRNA.	Mme-M300000219	ILMN_1217328	0	0
15426	Hoxc8	-0.123	0.030	0.036	0	0	0	0	0	0	NM_010466	homeo box C8 (Hoxc8), mRNA.	Mme-M200002297	ILMN_2671465	0	0
15427	Hoxc9	-0.255	0.073	0.063	0	0	0	0	0	0	NM_008272	homeo box C9 (Hoxc9), mRNA.	Mme-M200001938	ILMN_2772764	0	0
15429	Hoxd1	-0.301	-0.087	0.087	0	0	0	0	0	0	NM_010467	homeo box D1 (Hoxd1), mRNA.	Mme-M200002042	ILMN_1257699	0	0
15430	Hoxd10	-0.136	0.063	0.113	0	0	0	0	0	0	NM_013554	homeo box D10 (Hoxd10), mRNA.	Mme-M200004888	ILMN_2702687	0	0
15431	Hoxd11	-0.186	0.010	-0.107	0	0	0	0	0	0	NM_008273	homeo box D11 (Hoxd11), mRNA.	Mme-M200002041	ILMN_1231215	0	0
15432	Hoxd12	-0.104	-0.055	-0.105	0	0	0	0	0	0	NM_008274	homeo box D12 (Hoxd12), mRNA.	Mme-M200014937	ILMN_2951852	0	0
15433	Hoxd13	-0.027	-0.049	0.104	0	0	0	0	0	0	NM_008275	homeo box D13 (Hoxd13), mRNA.	Mme-M200014980	ILMN_2694339	0	0
15434	Hoxd3	0.058	-0.034	-0.022	0	0	0	0	0	0	NM_010468	homeo box D3 (Hoxd3), mRNA.	Mme-M400011040	ILMN_2662351	0	0
15436	Hoxd4	-0.147	-0.002	0.193	0	0	0	0	0	0	NM_010469	homeo box D4 (Hoxd4), mRNA.	Mme-M200000439	ILMN_1219807	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
15437	Hoxd8	-0.115	-0.166	-0.067	0	0	0	0	0	0	NM_008276	homeo box D8 (Hoxd8), mRNA.	Mme-M200012908	ILMN_2693052	0	0
15438	Hoxd9	-0.146	-0.087	-0.008	0	0	0	0	0	0	NM_013555	homeo box D9 (Hoxd9), mRNA.	Mme-M200005292	ILMN_1216475	0	0
15439	Hp	0.100	0.585	-0.020	0	1	0	0	1	0	NM_017370	haptoglobin (Hp), mRNA.	Mme-M200005335	ILMN_2668509	1	0
15444	Hpca	-0.105	0.287	-0.177	0	0	0	0	0	0	NM_010471	hippocalcin (Hpca), mRNA.	Mme-M300006291	ILMN_2787238	0	0
170638	Hpcal4	0.581	0.769	-0.102	0	1	0	0	1	0	NM_174998	hippocalcin-like 4 (Hpcal4), mRNA.	Mme-M300017016	ILMN_2662054	1	0
15445	Hpd	-0.432	-0.080	0.131	0	0	0	0	0	0	NM_008277	4-hydroxyphenylpyruvic acid dioxygenase (Hpd), mRNA.	Mme-M200002391	ILMN_2731444	0	0
242642	Hpdl	0.040	-0.309	-0.070	0	0	0	0	0	0	NM_146256	4-hydroxyphenylpyruvate dioxygenase-like (Hpdl), mRNA.	Mme-M400002707	ILMN_2525848	0	0
15446	Hpgd	-0.030	-0.065	-0.035	0	0	0	0	0	0	NM_008278	hydroxyprostaglandin dehydrogenase 15 (NAD) (Hpgd), mRNA.	Mme-M200003692	ILMN_2649199	0	0
54486	Hpgds	-0.143	0.077	0.425	0	0	1	0	0	1	NM_019455	prostaglandin D2 synthase 2, hematopoietic (Ptgds2), mRNA.	Mme-M200009443	ILMN_2981783	1	0
15451	Hpn	-0.267	0.066	0.091	0	0	0	0	0	0	NM_008281	hepsin (Hpn), transcript variant 2, mRNA.	Mme-M300000170	ILMN_2969532	0	0
15452	Hprt	0.061	0.176	0.059	0	0	0	0	0	0	NM_013556	hypoxanthine guanine phosphoribosyl transferase 1 (Hprt1), mRNA.	Mme-M200003662	ILMN_2767487	0	0
192236	Hps1	0.004	0.093	0.008	0	0	0	0	0	0	NM_019424	Hermansky-Pudlak syndrome 1 homolog (human) (Hps1), mRNA.	Mme-M200013459	ILMN_2722129	0	0
12807	Hps3	-0.154	-0.170	0.051	0	0	0	0	0	0	NM_080634	Hermansky-Pudlak syndrome 3 homolog (human) (Hps3), mRNA.	Mme-M200015691	ILMN_2994287	0	0
192232	Hps4	-0.289	-0.033	-0.016	0	0	0	0	0	0	NM_138646	Hermansky-Pudlak syndrome 4 homolog (human) (Hps4), mRNA.	Mme-M200001570	ILMN_2694329	0	0
246694	Hps5	-0.113	-0.255	0.142	0	0	0	0	0	0	NM_001005248	Hermansky-Pudlak syndrome 5 homolog (human) (Hps5), transcript variant 2, mRNA.	Mme-M300001294	ILMN_2740006	0	0
20170	Hps6	-0.029	-0.144	0.062	0	0	0	0	0	0	NM_176785	Hermansky-Pudlak syndrome 6 (Hps6), mRNA.	Mme-M300018014	ILMN_2763051	0	0
15442	Hpse	-0.536	0.218	0.103	0	0	0	0	0	0	NM_152803	heparanase (Hpse), mRNA.	Mme-M300009823	ILMN_3006790	0	0
545291	Hpse2	-0.073	-0.064	0.064	0	0	0	0	0	0	NM_001081257	similar to Heparanase-2 (Hpa2) (LOC545291), mRNA.	Mme-M400007944	ILMN_3068112	0	0
15458	Hpx	0.064	0.054	-0.089	0	0	0	0	0	0	NM_017371	hemopexin (Hpx), mRNA.	Mme-M200001355	ILMN_2744565	0	0
15460	Hr	0.220	0.232	-0.163	0	0	0	0	0	0	NM_021877	hairless (Hr), mRNA.	Mme-M200002575	ILMN_2800687	0	0
15461	Hras	0.068	-0.162	-0.159	0	0	0	0	0	0	NM_008284	Harvey rat sarcoma virus oncogene 1 (Hras1), mRNA.	Mme-M400010813	ILMN_2481071	0	0
27281	Hrasls	0.020	0.253	0.037	0	0	0	0	0	0	NM_013751	HRAS-like suppressor (Hrasls), mRNA.	Mme-M200008575	ILMN_1251605	0	0
66727	Hrasls5	-0.136	0.106	-0.026	0	0	0	0	0	0	NM_025731	HRAS-like suppressor family, member 5 (Hrasls5), mRNA.	Mme-M200014410	ILMN_2999683	0	0
231801	Hrbl	-0.072	-0.185	-0.156	0	0	0	0	0	0	NM_178162	HIV-1 Rev binding protein-like (Hrbl), transcript variant 2, mRNA.	Mme-M400001194	ILMN_2612774	0	0
15464	Hrc	0.725	0.368	-0.287	1	0	0	0	0	0	NM_010473	histidine rich calcium binding protein (Hrc), mRNA.	Mme-M300011435	ILMN_1259206	0	0
94175	Hrg	-0.119	-0.042	-0.162	0	0	0	0	0	0	NM_053176	histidine-rich glycoprotein (Hrg), mRNA.	Mme-M200000699	ILMN_2815337	0	0
15465	Hrh1	-0.245	-0.099	0.040	0	0	0	0	0	0	NM_008285	histamine receptor H1 (Hrh1), mRNA.	Mme-M200014988	ILMN_2620871	0	0
15466	Hrh2	-0.754	-0.143	0.056	-1	0	0	0	0	0	NM_008286	histamine receptor H2 (Hrh2), transcript variant 2, mRNA.	Mme-M400010814	ILMN_2636282	0	0
99296	Hrh3	-0.083	0.232	-0.105	0	0	0	0	0	0	NM_133849	histamine receptor H3 (Hrh3), mRNA.	Mme-M200007142	ILMN_1256117	0	0
225192	Hrh4	-0.016	-0.007	-0.045	0	0	0	0	0	0	NM_153087	histamine receptor H4 (Hrh4), mRNA.	Mme-M200013171	ILMN_2950199	0	0
12123	Hrk	0.230	0.011	-0.025	0	0	0	0	0	0	NM_007545	harakiri, BCL2 interacting protein (contains only BH3 domain) (Hrk), mRNA.	Mme-M400010738	ILMN_1229407	0	0
68723	Hrnr	-0.141	0.123	-0.045	0	0	0	0	0	0	XM_001000796	PREDICTED: hornerin (Hrnr), mRNA.	Mme-M400002571	ILMN_2603101	0	0
15473	Hrsp12	0.299	0.090	0.078	0	0	0	0	0	0	NM_008287	heat-responsive protein 12 (Hrsp12), mRNA.	Mme-M200009505	ILMN_2610706	0	0
58240	Hs1bp3	-0.183	0.147	-0.052	0	0	0	0	0	0	NM_021429	HCLS1 binding protein 3 (Hs1bp3), mRNA.	Mme-M200016203	ILMN_2775918	0	0
23908	Hs2st1	0.089	0.147	0.050	0	0	0	0	0	0	NM_011828	heparan sulfate 2-O-sulfotransferase 1 (Hs2st1), mRNA.	Mme-M400011172	ILMN_2853601	0	0
15476	Hs3st1	0.113	-0.161	-0.015	0	0	0	0	0	0	NM_010474	heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (Hs3st1), mRNA.	Mme-M200003102	ILMN_1253182	0	0
195646	Hs3st2	-0.082	-0.094	0.087	0	0	0	0	0	0	NM_001081327	heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (Hs3st2), mRNA.	Mme-M300020335	ILMN_2532884	0	0
15478	Hs3st3a1	-0.276	-0.417	0.032	0	0	0	0	0	0	NM_178870	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 (Hs3st3a1), mRNA.	Mme-M300018593	ILMN_2627193	0	0
54710	Hs3st3b1	-0.428	-0.153	0.043	0	0	0	0	0	0	NM_018805	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1 (Hs3st3b1), mRNA.	Mme-M200008631	ILMN_2646146	0	0
319415	Hs3st5	-0.183	-0.031	0.122	0	0	0	0	0	0	NM_001081208	heparan sulfate (glucosamine) 3-O-sulfotransferase 5 (Hs3st5), mRNA.	Mme-M300015512	ILMN_2541731	0	0
328779	Hs3st6	-0.237	-0.368	0.008	0	0	0	0	0	0	NM_001012402	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 (Hs3st6), mRNA.	Mme-M400002278	ILMN_3160653	0	0
50785	Hs6st1	-0.191	0.194	-0.165	0	0	0	0	0	0	NM_015818	heparan sulfate 6-O-sulfotransferase 1 (Hs6st1), mRNA.	Mme-M400003002	ILMN_2739156	0	0
50786	Hs6st2	-0.165	0.153	-0.062	0	0	0	0	0	0	NM_015819	heparan sulfate 6-O-sulfotransferase 2 (Hs6st2), transcript variant 2, mRNA.	Mme-M400007719	ILMN_2507473	0	0
50787	Hs6st3	-0.029	0.003	-0.096	0	0	0	0	0	0	NM_015820	heparan sulfate 6-O-sulfotransferase 3 (Hs6st3), mRNA.	Mme-M400004475	ILMN_2622420	0	0
68196	Hsbp1	0.106	0.170	-0.033	0	0	0	0	0	0	NM_024219	heat shock factor binding protein 1 (Hsbp1), mRNA.	Mme-M300007929	ILMN_2756369	0	0
100900	Hscb	0.314	-0.070	0.131	0	0	0	0	0	0	NM_153571	HscB iron-sulfur cluster co-chaperone homolog (E. coli) (Hscb), mRNA.	Mme-M300014576	ILMN_2740652	0	0
15483	Hsd11b1	-0.095	0.441	-0.057	0	1	0	0	0	0	NM_001044751	hydroxysteroid 11-beta dehydrogenase 1 (Hsd11b1), transcript variant 2, mRNA.	Mme-M400000248	ILMN_2774160	0	0
15484	Hsd11b2	-0.066	0.127	-0.027	0	0	0	0	0	0	NM_008289	hydroxysteroid 11-beta dehydrogenase 2 (Hsd11b2), mRNA.	Mme-M200002136	ILMN_1229516	0	0
15485	Hsd17b1	-0.015	-0.076	0.000	0	0	0	0	0	0	NM_010475	hydroxysteroid (17-beta) dehydrogenase 1 (Hsd17b1), mRNA.	Mme-M200012165	ILMN_2997763	0	0
15108	Hsd17b10	0.098	0.014	-0.103	0	0	0	0	0	0	NM_016763	hydroxysteroid (17-beta) dehydrogenase 10 (Hsd17b10), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002469	ILMN_1238614	0	0
114664	Hsd17b11	-0.231	-0.195	-0.152	0	0	0	0	0	0	NM_053262	hydroxysteroid (17-beta) dehydrogenase 11 (Hsd17b11), mRNA.	Mme-M200000428	ILMN_2685234	0	0
56348	Hsd17b12	-0.026	-0.183	0.087	0	0	0	0	0	0	NM_019657	hydroxysteroid (17-beta) dehydrogenase 12 (Hsd17b12), mRNA.	Mme-M200004406	ILMN_2689908	0	0
66065	Hsd17b14	0.005	-0.120	-0.109	0	0	0	0	0	0	NM_025330	hydroxysteroid (17-beta) dehydrogenase 14 (Hsd17b14), mRNA.	Mme-M200011733	ILMN_2720652	0	0
15486	Hsd17b2	-0.148	-0.120	-0.053	0	0	0	0	0	0	NM_008290	hydroxysteroid (17-beta) dehydrogenase 2 (Hsd17b2), mRNA.	Mme-M200002749	ILMN_1213811	0	0
15487	Hsd17b3	-0.240	0.151	-0.068	0	0	0	0	0	0	NM_008291	hydroxysteroid (17-beta) dehydrogenase 3 (Hsd17b3), mRNA.	Mme-M200002154	ILMN_1234235	0	0
15488	Hsd17b4	-0.037	-0.123	0.012	0	0	0	0	0	0	NM_008292	hydroxysteroid (17-beta) dehydrogenase 4 (Hsd17b4), mRNA.	Mme-M200001232	ILMN_2912239	0	0
27400	Hsd17b6	-0.048	-0.066	0.031	0	0	0	0	0	0	NM_013786	hydroxysteroid (17-beta) dehydrogenase 6 (Hsd17b6), mRNA.	Mme-M300004619	ILMN_1234552	0	0
15490	Hsd17b7	0.058	-0.129	0.013	0	0	0	0	0	0	NM_010476	hydroxysteroid (17-beta) dehydrogenase 7 (Hsd17b7), mRNA.	Mme-M200003164	ILMN_1229529	0	0
15492	Hsd3b1	0.017	-0.030	0.014	0	0	0	0	0	0	NM_008293	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 (Hsd3b1), mRNA.	Mme-M200009318	ILMN_2652602	0	0
15493	Hsd3b2	-0.037	-0.152	0.013	0	0	0	0	0	0	NM_153193	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 (Hsd3b2), mRNA.	Mme-M300011334	ILMN_1214838	0	0
15494	Hsd3b3	0.027	0.054	-0.034	0	0	0	0	0	0	NM_001012306	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 3 (Hsd3b3), mRNA.	Mme-M400007821	ILMN_2619034	0	0
15495	Hsd3b4	0.029	-0.073	-0.111	0	0	0	0	0	0	NM_008294	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 4 (Hsd3b4), transcript variant 2, mR	Mme-M400005479	ILMN_2757914	0	0
15496	Hsd3b5	-0.242	-0.021	0.076	0	0	0	0	0	0	NM_008295	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 5 (Hsd3b5), mRNA.	Mme-M200003554	ILMN_1234449	0	0
15497	Hsd3b6	-0.200	-0.017	0.074	0	0	0	0	0	0	NM_013821	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6 (Hsd3b6), mRNA.	Mme-M400001035	ILMN_2608277	0	0
101502	Hsd3b7	0.370	0.333	-0.112	0	0	0	0	0	0	NM_001040684	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 (Hsd3b7), transcript variant 2, mR	Mme-M200009913	ILMN_3114124	0	0
72552	Hsdl1	-0.183	-0.271	0.030	0	0	0	0	0	0	NM_175185	hydroxysteroid dehydrogenase like 1 (Hsdl1), mRNA.	Mme-M300009200	ILMN_2691227	0	0
72479	Hsdl2	-0.100	-0.023	0.079	0	0	0	0	0	0	NM_024255	hydroxysteroid dehydrogenase like 2 (Hsdl2), mRNA.	Mme-M300006067	ILMN_1219030	0	0
15499	Hsf1	0.089	-0.011	0.015	0	0	0	0	0	0	NM_008296	heat shock factor 1 (Hsf1), mRNA.	Mme-M200001991	ILMN_1255216	0	0
15500	Hsf2	0.002	0.077	-0.048	0	0	0	0	0	0	NM_008297	heat shock factor 2 (Hsf2), mRNA.	Mme-M200002044	ILMN_2625520	0	0
74377	Hsf2bp	-0.032	-0.001	0.030	0	0	0	0	0	0	XM_484622	PREDICTED: heat shock transcription factor 2 binding protein (Hsf2bp), mRNA.	Mme-M200015419	ILMN_2768077	0	0
26386	Hsf4	0.105	-0.019	-0.087	0	0	0	0	0	0	NM_011939	heat shock transcription factor 4 (Hsf4), mRNA.	Mme-M200015982	ILMN_2746797	0	0
327992	Hsf5	-0.035	0.071	0.093	0	0	0	0	0	0	NM_001045527	heat shock transcription factor family member 5 (Hsf5), mRNA.	Mme-M400002777	ILMN_2984916	0	0
71066	Hsfy2	0.067	0.021	0.041	0	0	0	0	0	0	NM_027661	heat shock transcription factor, Y linked 2 (Hsfy2), mRNA.	Mme-M200009640	ILMN_2728456	0	0
209488	Hsh2d	0.057	0.240	0.030	0	0	0	0	0	0	NM_197944	hematopoietic SH2 domain containing (Hsh2d), mRNA.	Mme-M300001805	ILMN_1239119	0	0
15519	Hsp90aa1	0.083	-0.187	0.199	0	0	0	0	0	0	NM_010480	heat shock protein 90, alpha (cytosolic), class A member 1 (Hsp90aa1), mRNA.	Mme-M400000451	ILMN_2752883	0	0
15516	Hsp90ab1	0.075	0.168	0.115	0	0	0	0	0	0	NM_008302	heat shock protein 90kDa alpha (cytosolic), class B member 1 (Hsp90ab1), mRNA.	Mme-M400010815	ILMN_1246650	0	0
22027	Hsp90b1	0.271	0.163	0.218	0	0	0	0	0	0	NM_011631	heat shock protein 90, beta (Grp94), member 1 (Hsp90b1), mRNA.	Mme-M200001794	ILMN_2504433	0	0
73442	Hspa12a	-0.119	-0.106	0.124	0	0	0	0	0	0	NM_175199	heat shock protein 12A (Hspa12a), mRNA.	Mme-M300004481	ILMN_1229783	0	0
72630	Hspa12b	-0.225	-0.078	0.107	0	0	0	0	0	0	NM_028306	heat shock protein 12B (Hspa12b), mRNA.	Mme-M300005584	ILMN_2641228	0	0
50497	Hspa14	0.081	0.085	-0.032	0	0	0	0	0	0	NM_015765	heat shock protein 14 (Hspa14), transcript variant 1, mRNA.	Mme-M200015994	ILMN_2725128	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
193740	Hspa1a	0.140	-0.384	-0.058	0	0	0	0	0	0	NM_010479	heat shock protein 1A (Hspa1a), mRNA.	Mme-M400011042	ILMN_1245039	0	0
15482	Hspa1l	0.097	0.086	0.052	0	0	0	0	0	0	NM_013558	heat shock protein 1-like (Hspa1l), mRNA.	Mme-M200003297	ILMN_2654682	0	0
15512	Hspa2	0.128	0.073	-0.027	0	0	0	0	0	0	NM_001002012	heat shock protein 2 (Hspa2), transcript variant 2, mRNA.	Mme-M200014991	ILMN_3140383	0	0
15525	Hspa4	0.083	-0.084	-0.029	0	0	0	0	0	0	NM_008300	heat shock protein 4 (Hspa4), mRNA.	Mme-M200000378	ILMN_2704237	0	0
18415	Hspa4l	0.186	-0.155	0.011	0	0	0	0	0	0	NM_011020	heat shock protein 4 like (Hspa4l), mRNA.	Mme-M200001614	ILMN_1230843	0	0
14828	Hspa5	0.299	0.108	0.007	0	0	0	0	0	0	NM_022310	heat shock protein 5 (Hspa5), mRNA.	Mme-M200000331	ILMN_1255561	0	0
15481	Hspa8	-0.196	0.057	0.090	0	0	0	0	0	0	NM_031165	heat shock protein 8 (Hspa8), mRNA.	Mme-M400009617	ILMN_1249586	0	0
15526	Hspa9	0.393	0.105	-0.115	0	0	0	0	0	0	NM_010481	heat shock protein 9 (Hspa9), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001083	ILMN_1222803	0	0
15507	Hspb1	-0.119	-0.282	-0.067	0	0	0	0	0	0	NM_013560	heat shock protein 1 (Hspb1), mRNA.	Mme-M300017926	ILMN_2706269	0	0
72938	Hspb11	0.187	-0.038	-0.009	0	0	0	0	0	0	NM_028394	RIKEN cDNA 2900042B11 gene (2900042B11Rik), mRNA.	Mme-M300009544	ILMN_2744100	0	0
69253	Hspb2	-0.002	-0.031	-0.033	0	0	0	0	0	0	NM_024441	heat shock protein 2 (Hspb2), mRNA.	Mme-M200000751	ILMN_2613904	0	0
56534	Hspb3	0.802	0.355	-0.037	1	0	0	0	0	0	NM_019960	heat shock protein 3 (Hspb3), mRNA.	Mme-M200013583	ILMN_2748205	0	0
243912	Hspb6	0.330	0.162	-0.531	0	0	-1	0	0	-1	NM_001012401	heat shock protein, alpha-crystallin-related, B6 (Hspb6), mRNA.	Mme-M300010568	ILMN_2805339	0	1
29818	Hspb7	0.172	0.075	-0.107	0	0	0	0	0	0	NM_013868	heat shock protein family, member 7 (cardiovascular) (Hspb7), mRNA.	Mme-M300000767	ILMN_2677662	0	0
80888	Hspb8	-0.069	0.161	-0.108	0	0	0	0	0	0	NM_030704	heat shock protein 8 (Hspb8), mRNA.	Mme-M200004156	ILMN_2761205	0	0
75482	Hspb9	-0.060	-0.035	-0.074	0	0	0	0	0	0	XM_894891	PREDICTED: heat shock protein, alpha-crystallin-related, B9 (Hspb9), mRNA.	Mme-M200014419	ILMN_1231959	0	0
66667	Hspbap1	0.166	-0.100	-0.206	0	0	0	0	0	0	NM_175111	Hspb associated protein 1 (Hspbap1), mRNA.	Mme-M200014227	ILMN_1243903	0	0
66245	Hspbp1	-0.013	0.096	-0.004	0	0	0	0	0	0	NM_024172	RIKEN cDNA 1500019G21 gene (1500019G21Rik), mRNA.	Mme-M200002431	ILMN_2680463	0	0
15510	Hspd1	0.172	0.054	0.191	0	0	0	0	0	0	NM_010477	heat shock protein 1 (chaperonin) (Hspd1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300017648	ILMN_2713841	0	0
15528	Hspe1	0.431	0.093	0.151	0	0	0	0	0	0	NM_008303	heat shock protein 1 (chaperonin 10) (Hspe1), mRNA.	Mme-M300011528	ILMN_2960308	0	0
15505	Hsph1	0.148	-0.046	0.050	0	0	0	0	0	0	NM_013559	heat shock 105kDa/110kDa protein 1 (Hsph1), mRNA.	Mme-M400001191	ILMN_2716098	0	0
53415	Htatip2	-0.029	0.010	-0.133	0	0	0	0	0	0	NM_016865	HIV-1 tat interactive protein 2, homolog (human) (Htatip2), mRNA.	Mme-M400011267	ILMN_2603837	0	0
72459	Htatsf1	0.325	-0.082	-0.078	0	0	0	0	0	0	NM_028242	HIV TAT specific factor 1 (Htatsf1), mRNA.	Mme-M400011637	ILMN_2636490	0	0
15550	Htr1a	-0.058	0.019	-0.200	0	0	0	0	0	0	NM_008308	5-hydroxytryptamine (serotonin) receptor 1A (Htr1a), mRNA.	Mme-M200001910	ILMN_2664762	0	0
15551	Htr1b	-0.070	0.117	-0.074	0	0	0	0	0	0	NM_010482	5-hydroxytryptamine (serotonin) receptor 1B (Htr1b), mRNA.	Mme-M200014906	ILMN_2628759	0	0
15552	Htr1d	-0.360	-0.038	0.090	0	0	0	0	0	0	NM_008309	5-hydroxytryptamine (serotonin) receptor 1D (Htr1d), mRNA.	Mme-M300010659	ILMN_2752064	0	0
15557	Htr1f	-0.061	-0.091	-0.058	0	0	0	0	0	0	NM_008310	5-hydroxytryptamine (serotonin) receptor 1F (Htr1f), mRNA.	Mme-M200002110	ILMN_1225277	0	0
15558	Htr2a	0.057	0.056	0.151	0	0	0	0	0	0	NM_172812	5-hydroxytryptamine (serotonin) receptor 2A (Htr2a), mRNA.	Mme-M300009650	ILMN_2725523	0	0
15559	Htr2b	0.048	0.047	0.054	0	0	0	0	0	0	NM_008311	5-hydroxytryptamine (serotonin) receptor 2B (Htr2b), mRNA.	Mme-M200012850	ILMN_2589768	0	0
15560	Htr2c	-0.156	-0.003	0.035	0	0	0	0	0	0	NM_008312	5-hydroxytryptamine (serotonin) receptor 2C (Htr2c), mRNA.	Mme-M200000134	ILMN_1216607	0	0
15561	Htr3a	-0.106	0.093	0.011	0	0	0	0	0	0	NM_001099644	5-hydroxytryptamine (serotonin) receptor 3A (Htr3a), transcript variant 2, mRNA.	Mme-M400001448	ILMN_2702403	0	0
57014	Htr3b	-0.141	-0.176	0.083	0	0	0	0	0	0	NM_020274	5-hydroxytryptamine (serotonin) receptor 3B (Htr3b), mRNA.	Mme-M200008887	ILMN_1227196	0	0
15562	Htr4	-0.544	-0.088	-0.023	0	0	0	0	0	0	NM_008313	5 hydroxytryptamine (serotonin) receptor 4 (Htr4), mRNA.	Mme-M300005048	ILMN_2776237	0	0
15563	Htr5a	0.275	0.158	0.041	0	0	0	0	0	0	NM_008314	5-hydroxytryptamine (serotonin) receptor 5A (Htr5a), mRNA.	Mme-M300011956	ILMN_2681462	0	0
15564	Htr5b	-0.051	0.114	0.026	0	0	0	0	0	0	NM_010483	5-hydroxytryptamine (serotonin) receptor 5B (Htr5b), mRNA.	Mme-M200001985	ILMN_2595319	0	0
15565	Htr6	-0.031	-0.004	0.013	0	0	0	0	0	0	NM_021358	5-hydroxytryptamine (serotonin) receptor 6 (Htr6), mRNA.	Mme-M200008624	ILMN_2679840	0	0
15566	Htr7	-0.216	-0.060	0.067	0	0	0	0	0	0	NM_008315	5-hydroxytryptamine (serotonin) receptor 7 (Htr7), mRNA.	Mme-M200002665	ILMN_2664542	0	0
56213	Htra1	0.190	-0.142	0.179	0	0	0	0	0	0	NM_019564	HtrA serine peptidase 1 (Htra1), mRNA.	Mme-M200006872	ILMN_2966104	0	0
64704	Htra2	0.046	0.150	-0.038	0	0	0	0	0	0	NM_019752	HtrA serine peptidase 2 (Htra2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300009658	ILMN_2688944	0	0
78558	Htra3	0.097	-0.232	0.031	0	0	0	0	0	0	NM_030127	HtrA serine peptidase 3 (Htra3), transcript variant 1, mRNA.	Mme-M300006488	ILMN_2718401	0	0
330723	Htra4	0.023	-0.030	0.083	0	0	0	0	0	0	NM_001081187	HtrA serine peptidase 4 (Htra4), mRNA.	Mme-M300010906	ILMN_2669289	0	0
15194	Htt	-0.087	0.012	-0.059	0	0	0	0	0	0	NM_010414	huntingtin (Htt), mRNA.	Mme-M300006492	ILMN_2672091	0	0
26559	Hunk	0.177	-0.003	0.002	0	0	0	0	0	0	NM_015755	hormonally upregulated Neu-associated kinase (Hunk), mRNA.	Mme-M400004461	ILMN_1218994	0	0
15574	Hus1	0.044	-0.198	0.169	0	0	0	0	0	0	NM_008316	Hus1 homolog (S. pombe) (Hus1), mRNA.	Mme-M200013922	ILMN_2650547	0	0
210554	Hus1b	0.082	0.037	-0.007	0	0	0	0	0	0	NM_153072	Hus1 homolog b (S. pombe) (Hus1b), mRNA.	Mme-M400012182	ILMN_1240847	0	0
59026	Huwe1	0.159	0.131	0.105	0	0	0	0	0	0	NM_021523	HECT, UBA and WWE domain containing 1 (Huwe1), mRNA.	Mme-M300013050	ILMN_2494747	0	0
74096	Hvcn1	0.051	0.557	0.341	0	1	1	0	0	0	NM_028752	hydrogen voltage-gated channel 1 (Hvcn1), transcript variant 2, mRNA.	Mme-M400008623	ILMN_1243451	0	0
15586	Hyal1	-0.422	-0.127	0.105	0	0	0	0	0	0	NM_008317	hyaluronoglucosaminidase 1 (Hyal1), mRNA.	Mme-M200002920	ILMN_2644375	0	0
15587	Hyal2	0.168	-0.038	-0.027	0	0	0	0	0	0	NM_010489	hyaluronoglucosaminidase 2 (Hyal2), mRNA.	Mme-M200001986	ILMN_1230039	0	0
109685	Hyal3	-0.301	0.013	-0.154	0	0	0	0	0	0	NM_178020	hyaluronoglucosaminidase 3 (Hyal3), mRNA.	Mme-M300010232	ILMN_1215737	0	0
74468	Hyal5	-0.095	0.003	-0.036	0	0	0	0	0	0	NM_028957	hyaluronoglucosaminidase 5 (Hyal5), mRNA.	Mme-M300006808	ILMN_2596220	0	0
74409	Hyal6	-0.463	-0.084	0.043	0	0	0	0	0	0	NM_028920	hyaluronoglucosaminidase 6 (Hyal6), mRNA.	Mme-M200015833	ILMN_1234019	0	0
244653	Hydin	-0.163	-0.065	0.019	0	0	0	0	0	0	NM_172916	hydrocephalus inducing (Hydin), mRNA.	Mme-M300001118	ILMN_1219007	0	0
68180	Hyi	-0.240	-0.032	0.054	0	0	0	0	0	0	NM_026601	hydroxypyruvate isomerase homolog (E. coli) (Hyi), mRNA.	Mme-M300000797	ILMN_2691567	0	0
12282	Hyou1	0.266	0.254	0.094	0	0	0	0	0	0	NM_021395	hypoxia up-regulated 1 (Hyou1), mRNA.	Mme-M200008813	ILMN_2661367	0	0
67693	Hypk	0.110	0.020	-0.083	0	0	0	0	0	0	NM_026318	RIKEN cDNA 2310003F16 gene (2310003F16Rik), mRNA.	Mme-M300005533	ILMN_1257360	0	0
67334	Hypm	-0.166	-0.049	-0.094	0	0	0	0	0	0	NM_026096	RIKEN cDNA 1700054O13 gene (1700054O13Rik), mRNA.	Mme-M200014405	ILMN_1240442	0	0
67732	Iah1	0.117	-0.018	-0.069	0	0	0	0	0	0	NM_026347	isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae) (Iah1), mRNA.	Mme-M400007656	ILMN_2620804	0	0
15874	Iapp	-0.042	0.022	0.050	0	0	0	0	0	0	NM_010491	islet amyloid polypeptide (Iapp), mRNA.	Mme-M200000154	ILMN_2996479	0	0
105148	Iars	0.135	-0.127	-0.105	0	0	0	0	0	0	NM_172015	isoleucine-tRNA synthetase (Iars), mRNA.	Mme-M200004060	ILMN_2810045	0	0
381314	Iars2	0.026	-0.059	-0.104	0	0	0	0	0	0	NM_198653	isoleucine-tRNA synthetase 2, mitochondrial (Iars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005209	ILMN_3146224	0	0
216792	Iba57	-0.257	-0.155	0.059	0	0	0	0	0	0	NM_173785	RIKEN cDNA A230051G13 gene (A230051G13Rik), mRNA.	Mme-M300020030	ILMN_2601525	0	0
15891	Ibsp	0.397	0.311	0.225	0	0	0	0	0	0	NM_008318	integrin binding sialoprotein (Ibsp), mRNA.	Mme-M400001158	ILMN_3141106	0	0
108837	Ibtk	0.027	-0.294	0.122	0	0	0	0	0	0	NM_001081282	inhibitor of Bruton agammaglobulinemia tyrosine kinase (Ibtk), mRNA.	Mme-M300010161	ILMN_2761188	0	0
15893	Ica1	0.160	0.020	-0.175	0	0	0	0	0	0	NM_010492	islet cell autoantigen 1 (Ica1), mRNA.	Mme-M300000943	ILMN_1245768	0	0
70375	Ica1l	-0.055	-0.109	-0.016	0	0	0	0	0	0	NM_027407	islet cell autoantigen 1-like (Ica1l), mRNA.	Mme-M200003546	ILMN_1224186	0	0
15894	Icam1	0.000	0.611	0.068	0	1	0	0	1	0	NM_010493	intercellular adhesion molecule 1 (Icam1), mRNA.	Mme-M400002004	ILMN_2896601	1	0
15896	Icam2	0.261	0.206	0.115	0	0	0	0	0	0	NM_010494	intercellular adhesion molecule 2 (Icam2), mRNA.	Mme-M200000146	ILMN_2618408	0	0
78369	Icam4	0.055	0.094	0.022	0	0	0	0	0	0	NM_023892	intercellular adhesion molecule 4, Landsteiner-Wiener blood group (Icam4), mRNA.	Mme-M200006904	ILMN_2637808	0	0
15898	Icam5	0.438	0.254	-0.048	0	0	0	0	0	0	NM_008319	intercellular adhesion molecule 5, telencephalin (Icam5), mRNA.	Mme-M200001848	ILMN_2746521	0	0
218333	Ice1	0.253	-0.134	0.111	0	0	0	0	0	0	XM_358313	PREDICTED: cDNA sequence BC018507, transcript variant 1 (BC018507), mRNA.	Mme-M200009275	ILMN_1230422	0	0
93697	Ice2	0.170	-0.313	-0.052	0	0	0	0	0	0	NM_145618	NMDA receptor-regulated gene 2 (Narg2), mRNA.	Mme-M300008141	ILMN_1226827	0	0
56542	Ick	0.210	-0.077	-0.058	0	0	0	0	0	0	NM_019987	intestinal cell kinase (Ick), mRNA.	Mme-M200014116	ILMN_2777351	0	0
57295	Icmt	0.188	-0.078	-0.109	0	0	0	0	0	0	NM_133788	isoprenylcysteine carboxyl methyltransferase (Icmt), mRNA.	Mme-M200006446	ILMN_2464380	0	0
54167	Icos	0.178	0.349	0.073	0	0	0	0	0	0	NM_017480	inducible T-cell co-stimulator (Icos), mRNA.	Mme-M200013856	ILMN_1221516	0	0
50723	Icosl	0.134	0.071	0.008	0	0	0	0	0	0	NM_015790	icos ligand (Icosl), mRNA.	Mme-M200003544	ILMN_2767731	0	0
68572	Ict1	-0.022	-0.045	-0.251	0	0	0	0	0	0	NM_026729	immature colon carcinoma transcript 1 (Ict1), mRNA.	Mme-M300001740	ILMN_2642063	0	0
15901	Id1	0.029	-0.118	-0.002	0	0	0	0	0	0	NM_010495	inhibitor of DNA binding 1 (Id1), mRNA.	Mme-M200000163	ILMN_2672190	0	0
15902	Id2	0.253	0.153	0.123	0	0	0	0	0	0	NM_010496	inhibitor of DNA binding 2 (Id2), mRNA.	Mme-M200000601	ILMN_1228557	0	0
15903	Id3	0.147	-0.040	0.075	0	0	0	0	0	0	NM_008321	inhibitor of DNA binding 3 (Id3), mRNA.	Mme-M200000033	ILMN_2687169	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
15904	Id4	-0.073	-0.325	0.122	0	0	0	0	0	0	NM_031166	inhibitor of DNA binding 4 (Id4), mRNA.	Mme-M200005894	ILMN_2678714	0	0
15925	Ide	0.216	-0.201	0.138	0	0	0	0	0	0	NM_031156	insulin degrading enzyme (Ide), mRNA.	Mme-M200005967	ILMN_2467534	0	0
15926	Idh1	-0.069	0.188	0.074	0	0	0	0	0	0	NM_010497	isocitrate dehydrogenase 1 (NADP+), soluble (Idh1), transcript variant 2, mRNA.	Mme-M200002837	ILMN_2729458	0	0
269951	Idh2	0.471	0.009	-0.088	0	0	0	0	0	0	NM_173011	isocitrate dehydrogenase 2 (NADP+), mitochondrial (Idh2), nuclear gene encoding mitochondrial protein, mRNA	Mme-M400012258	ILMN_2595612	0	0
67834	Idh3a	0.195	-0.027	-0.067	0	0	0	0	0	0	NM_029573	isocitrate dehydrogenase 3 (NAD+) alpha (Idh3a), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200012512	ILMN_2740134	0	0
170718	Idh3b	0.239	0.060	-0.085	0	0	0	0	0	0	NM_130884	isocitrate dehydrogenase 3 (NAD+) beta (Idh3b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006550	ILMN_1235050	0	0
15929	Idh3g	0.366	0.058	-0.177	0	0	0	0	0	0	NM_008323	isocitrate dehydrogenase 3 (NAD+), gamma (Idh3g), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003352	ILMN_1224368	0	0
320581	Idi2	-0.274	-0.229	0.003	0	0	0	0	0	0	NM_177197	isopentenyl-diphosphate delta isomerase 2 (Idi2), mRNA.	Mme-M400001575	ILMN_2689488	0	0
75731	Idnk	0.257	0.327	-0.005	0	0	0	0	0	0	NM_001048060	RIKEN cDNA 5133401N09 gene (5133401N09Rik), transcript variant 2, mRNA.	Mme-M300020712	ILMN_3122081	0	0
15930	Ido1	-0.495	0.443	0.042	0	1	0	0	0	0	NM_008324	indoleamine-pyrrole 2,3 dioxygenase (Indo), mRNA.	Mme-M200000145	ILMN_1223600	0	0
209176	Ido2	-0.241	-0.028	0.035	0	0	0	0	0	0	NM_145949	indoleamine-pyrrole 2,3 dioxygenase-like 1 (Indol1), mRNA.	Mme-M300007773	ILMN_2748392	0	0
15931	Ids	-0.195	0.125	0.112	0	0	0	0	0	0	NM_001038990	iduronate 2-sulfatase (Ids), transcript variant 2, mRNA.	Mme-M200002617	ILMN_3114518	0	0
15932	Idua	0.150	0.173	-0.073	0	0	0	0	0	0	NM_008325	iduronidase, alpha-L- (Idua), mRNA.	Mme-M200001165	ILMN_2980466	0	0
15937	Ier3	0.032	0.027	0.059	0	0	0	0	0	0	NM_133662	immediate early response 3 (Ier3), mRNA.	Mme-M200005156	ILMN_1216764	0	0
66191	Ier3ip1	0.179	-0.014	-0.013	0	0	0	0	0	0	NM_025409	immediate early response 3 interacting protein 1 (Ier3ip1), mRNA.	Mme-M200006086	ILMN_2781602	0	0
15939	Ier5	0.505	-0.003	0.011	0	0	0	0	0	0	NM_010500	immediate early response 5 (Ier5), mRNA.	Mme-M400005603	ILMN_2642275	0	0
320678	Iffo1	-0.041	-0.030	-0.026	0	0	0	0	0	0	NM_001039669	RIKEN cDNA A930037G23 gene (A930037G23Rik), transcript variant 1, mRNA.	Mme-M300011457	ILMN_2709270	0	0
212632	Iffo2	0.166	-0.218	0.225	0	0	0	0	0	0	NM_183148	expressed sequence C79267 (C79267), mRNA.	Mme-M300012990	ILMN_2680903	0	0
26388	Ifi202b	0.368	0.449	0.521	0	1	1	0	0	1	NM_011940	interferon activated gene 202B (Ifi202b), transcript variant 2, mRNA.	Mme-M300005162	ILMN_3085992	1	0
15950	Ifi203	0.183	0.099	0.088	0	0	0	0	0	0	NM_008328	interferon activated gene 203 (Ifi203), transcript variant 2, mRNA.	Mme-M300005163	ILMN_1241443	0	0
15951	Ifi204	0.452	0.050	-0.038	0	0	0	0	0	0	NM_008329	interferon activated gene 204 (Ifi204), mRNA.	Mme-M400000940	ILMN_3010089	0	0
226695	Ifi205	0.423	0.494	0.346	0	1	1	0	0	0	NM_172648	interferon activated gene 205 (Ifi205), mRNA.	Mme-M300005161	ILMN_1257771	0	0
52668	Ifi27	-0.162	0.134	0.095	0	0	0	0	0	0	NM_194069	DNA segment, Chr 12, ERATO Doi 647, expressed (D12Ertd647e), transcript variant 5, mRNA.	Mme-M400008599	ILMN_2681232	0	0
76933	Ifi27l2a	0.293	0.520	0.267	0	1	0	0	0	0	NM_029803	interferon, alpha-inducible protein 27 (Ifi27), mRNA.	Mme-M400008839	ILMN_2762944	0	0
217845	Ifi27l2b	0.028	-0.044	-0.058	0	0	0	0	0	0	NM_145449	RIKEN cDNA 1810023F06 gene (1810023F06Rik), mRNA.	Mme-M300002618	ILMN_1232995	0	0
65972	Ifi30	0.445	0.392	0.153	0	0	0	0	0	0	NM_023065	interferon gamma inducible protein 30 (Ifi30), mRNA.	Mme-M200006916	ILMN_1228213	0	0
70110	Ifi35	0.242	0.399	0.216	0	0	0	0	0	0	NM_027320	interferon-induced protein 35 (Ifi35), mRNA.	Mme-M200014281	ILMN_2625290	0	0
99899	Ifi44	0.404	0.144	0.032	0	0	0	0	0	0	NM_133871	interferon-induced protein 44 (Ifi44), mRNA.	Mme-M200006998	ILMN_2670987	0	0
15061	Ifi44l	0.148	0.189	0.076	0	0	0	0	0	0	NM_031367	histocompatibility 28 (H28), mRNA.	Mme-M400002229	ILMN_2645225	0	0
15953	Ifi47	0.876	0.972	0.507	1	1	1	1	1	1	NM_008330	interferon gamma inducible protein 47 (Ifi47), mRNA.	Mme-M200004993	ILMN_2652857	3	0
71586	Ifih1	-0.098	-0.049	0.139	0	0	0	0	0	0	NM_027835	interferon induced with helicase C domain 1 (Ifih1), mRNA.	Mme-M200004157	ILMN_2648913	0	0
15957	Ifit1	0.488	0.068	0.034	0	0	0	0	0	0	NM_008331	interferon-induced protein with tetratricopeptide repeats 1 (Ifit1), mRNA.	Mme-M200002418	ILMN_2774340	0	0
15958	Ifit2	0.240	0.249	0.311	0	0	1	0	0	0	NM_008332	interferon-induced protein with tetratricopeptide repeats 2 (Ifit2), mRNA.	Mme-M300016852	ILMN_2981167	0	0
68713	Ifitm1	0.149	0.524	0.246	0	1	0	0	0	0	NM_026820	interferon induced transmembrane protein 1 (Ifitm1), transcript variant 1, mRNA.	Mme-M400000839	ILMN_1217180	0	0
320802	Ifitm10	-0.003	-0.028	-0.116	0	0	0	0	0	0	NM_177265	RIKEN cDNA 6330512M04 gene (6330512M04Rik), mRNA.	Mme-M300016706	ILMN_2588346	0	0
80876	Ifitm2	0.240	0.224	0.064	0	0	0	0	0	0	NM_030694	interferon induced transmembrane protein 2 (Ifitm2), mRNA.	Mme-M300014777	ILMN_1232667	0	0
66141	Ifitm3	0.276	0.555	0.300	0	1	0	0	0	0	NM_025378	interferon induced transmembrane protein 3 (Ifitm3), mRNA.	Mme-M200009330	ILMN_2658501	0	0
73835	Ifitm5	0.184	0.132	-0.026	0	0	0	0	0	0	NM_053088	interferon induced transmembrane protein 5 (Ifitm5), mRNA.	Mme-M400011761	ILMN_1245864	0	0
74482	Ifitm7	-0.143	-0.098	0.078	0	0	0	0	0	0	NM_028968	interferon induced transmembrane protein 7 (Ifitm7), mRNA.	Mme-M400006367	ILMN_1228924	0	0
74071	Ifltd1	-0.031	-0.044	-0.027	0	0	0	0	0	0	NM_028742	intermediate filament tail domain containing 1 (Ifltd1), mRNA.	Mme-M200007335	ILMN_1226083	0	0
15962	Ifna1	-0.233	-0.064	-0.052	0	0	0	0	0	0	NM_010502	interferon alpha 1 (Ifna1), mRNA.	Mme-M400007168	ILMN_2617487	0	0
242519	Ifna12	-0.008	-0.013	-0.066	0	0	0	0	0	0	NM_177361	interferon alpha 12 (Ifna12), mRNA.	Mme-M400009292	ILMN_1236929	0	0
230396	Ifna13	-0.308	0.057	-0.002	0	0	0	0	0	0	NM_177347	interferon alpha 13 (Ifna13), mRNA.	Mme-M400008246	ILMN_2641897	0	0
404549	Ifna14	-0.580	-0.070	0.145	0	0	0	0	0	0	NM_206975	interferon, alpha 14 (Ifna14), mRNA.	Mme-M400005686	ILMN_2687005	0	0
242517	Ifna15	-0.159	-0.150	-0.093	0	0	0	0	0	0	NM_206870	predicted gene, OTTMUSG00000007655 (OTTMUSG00000007655), mRNA.	Mme-M400008297	ILMN_1215054	0	0
230398	Ifna16	-0.046	0.017	0.085	0	0	0	0	0	0	NM_206867	predicted gene, OTTMUSG00000011275 (OTTMUSG00000011275), mRNA.	Mme-M400008471	ILMN_2742656	0	0
15965	Ifna2	0.132	-0.032	-0.052	0	0	0	0	0	0	NM_010503	interferon alpha 2 (Ifna2), mRNA.	Mme-M400005880	ILMN_1233138	0	0
15967	Ifna4	-0.047	-0.025	-0.058	0	0	0	0	0	0	NM_010504	interferon alpha 4 (Ifna4), mRNA.	Mme-M400011044	ILMN_2738901	0	0
15968	Ifna5	-0.272	0.143	-0.070	0	0	0	0	0	0	NM_010505	interferon alpha 5 (Ifna5), mRNA.	Mme-M400011045	ILMN_1253698	0	0
15969	Ifna6	-0.145	0.056	0.056	0	0	0	0	0	0	NM_206871	interferon alpha 6 (Ifna6), mRNA.	Mme-M400012621	ILMN_1230562	0	0
15970	Ifna7	-0.170	0.035	-0.040	0	0	0	0	0	0	NM_008334	interferon alpha 7 (Ifna7), mRNA.	Mme-M400010816	ILMN_2658633	0	0
15972	Ifna9	-0.326	0.118	0.084	0	0	0	0	0	0	NM_010507	interferon alpha 9 (Ifna9), mRNA.	Mme-M400006113	ILMN_1237080	0	0
15974	Ifnab	-0.173	0.069	-0.108	0	0	0	0	0	0	NM_008336	interferon alpha B (Ifnab), mRNA.	Mme-M400010818	ILMN_1223579	0	0
15975	Ifnar1	-0.005	-0.113	-0.041	0	0	0	0	0	0	NM_010508	interferon (alpha and beta) receptor 1 (Ifnar1), mRNA.	Mme-M200000185	ILMN_1222758	0	0
15976	Ifnar2	-0.161	0.071	0.164	0	0	0	0	0	0	NM_010509	interferon (alpha and beta) receptor 2 (Ifnar2), transcript variant 1, mRNA.	Mme-M200002439	ILMN_1225311	0	0
15977	Ifnb1	0.054	-0.067	0.062	0	0	0	0	0	0	NM_010510	interferon beta 1, fibroblast (Ifnb1), mRNA.	Mme-M200000460	ILMN_2711910	0	0
230405	Ifne	-0.018	0.054	0.057	0	0	0	0	0	0	NM_177348	interferon epsilon 1 (Ifne1), mRNA.	Mme-M300016325	ILMN_1255754	0	0
15978	Ifng	0.352	1.086	0.265	0	1	0	0	1	0	NM_008337	interferon gamma (Ifng), mRNA.	Mme-M400005074	ILMN_2685712	1	0
15979	Ifngr1	0.063	0.250	0.190	0	0	0	0	0	0	NM_010511	interferon gamma receptor 1 (Ifngr1), mRNA.	Mme-M200000196	ILMN_2651575	0	0
15980	Ifngr2	0.069	-0.025	0.284	0	0	0	0	0	0	NM_008338	interferon gamma receptor 2 (Ifngr2), mRNA.	Mme-M200013411	ILMN_2592709	0	0
387510	Ifnk	-0.135	-0.059	-0.001	0	0	0	0	0	0	NM_199157	interferon kappa (Ifnk), mRNA.	Mme-M300014079	ILMN_2636143	0	0
338374	Ifnl3	-0.355	-0.055	0.056	0	0	0	0	0	0	NM_177396	interleukin 28B (Il28b), mRNA.	Mme-M400009485	ILMN_2608332	0	0
242700	Ifnlr1	-0.060	-0.133	0.072	0	0	0	0	0	0	NM_174851	interleukin 28 receptor alpha (Il28ra), mRNA.	Mme-M300015708	ILMN_3009880	0	0
319146	Ifnz	-0.289	-0.029	0.040	0	0	0	0	0	0	NM_197889	interferon zeta (Ifnz), mRNA.	Mme-M400009687	ILMN_3021483	0	0
15982	Ifrd1	0.325	0.111	0.077	0	0	0	0	0	0	NM_013562	interferon-related developmental regulator 1 (Ifrd1), mRNA.	Mme-M200000060	ILMN_1214353	0	0
15983	Ifrd2	0.331	0.039	0.065	0	0	0	0	0	0	NM_025903	interferon-related developmental regulator 2 (Ifrd2), mRNA.	Mme-M200012019	ILMN_2736762	0	0
81896	Ift122	0.069	0.136	-0.209	0	0	0	0	0	0	NM_031177	intraflagellar transport 122 homolog (Chlamydomonas) (Ift122), mRNA.	Mme-M300007139	ILMN_2429970	0	0
106633	Ift140	-0.420	-0.189	-0.140	0	0	0	0	0	0	NM_134126	intraflagellar transport 140 homolog (Chlamydomonas) (Ift140), mRNA.	Mme-M300003952	ILMN_3060168	0	0
67661	Ift172	0.171	-0.118	-0.063	0	0	0	0	0	0	NM_026298	intraflagellar transport 172 homolog (Chlamydomonas) (Ift172), mRNA.	Mme-M300006519	ILMN_2611450	0	0
55978	Ift20	0.258	0.072	-0.107	0	0	0	0	0	0	NM_018854	intraflagellar transport 20 homolog (Chlamydomonas) (Ift20), mRNA.	Mme-M300000148	ILMN_2592093	0	0
67286	Ift22	0.130	0.082	-0.137	0	0	0	0	0	0	NM_026073	RAB, member of RAS oncogene family-like 5 (Rabl5), mRNA.	Mme-M200013746	ILMN_2637398	0	0
67042	Ift27	0.327	0.151	-0.080	0	0	0	0	0	0	NM_025931	RAB, member of RAS oncogene family-like 4 (Rabl4), mRNA.	Mme-M200006885	ILMN_1215009	0	0
76411	Ift43	0.233	0.019	-0.059	0	0	0	0	0	0	NM_029601	RIKEN cDNA 1700019E19 gene (1700019E19Rik), mRNA.	Mme-M300000930	ILMN_1236344	0	0
76568	Ift46	0.068	0.068	-0.015	0	0	0	0	0	0	NM_023831	RIKEN cDNA 1500035H01 gene (1500035H01Rik), mRNA.	Mme-M200006776	ILMN_2667894	0	0
245866	Ift52	0.146	-0.092	-0.066	0	0	0	0	0	0	NM_172150	intraflagellar transport 52 homolog (Chlamydomonas) (Ift52), mRNA.	Mme-M400000276	ILMN_2788283	0	0
73916	Ift57	0.252	-0.114	-0.054	0	0	0	0	0	0	NM_028680	intraflagellar transport 57 homolog (Chlamydomonas) (Ift57), mRNA.	Mme-M200007086	ILMN_1242148	0	0
67694	Ift74	0.241	0.188	-0.069	0	0	0	0	0	0	NM_026319	intraflagellar transport 74 homolog (Chlamydomonas) (Ift74), mRNA.	Mme-M300006166	ILMN_2647044	0	0
68259	Ift80	0.154	-0.236	-0.133	0	0	0	0	0	0	NM_026641	intraflagellar transport 80 homolog (Chlamydomonas) (Ift80), mRNA.	Mme-M200007818	ILMN_1226497	0	0
12589	Ift81	0.141	-0.077	-0.131	0	0	0	0	0	0	NM_009879	intraflagellar transport 81 homolog (Chlamydomonas) (Ift81), mRNA.	Mme-M200002877	ILMN_2735422	0	0
21821	Ift88	-0.119	-0.147	-0.081	0	0	0	0	0	0	NM_009376	intraflagellar transport 88 homolog (Chlamydomonas) (Ift88), mRNA.	Mme-M200001865	ILMN_2772847	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18518	Igbp1	0.048	0.094	0.052	0	0	0	0	0	0	NM_008784	immunoglobulin (CD79A) binding protein 1 (Igbp1), mRNA.	Mme-M400001348	ILMN_2652384	0	0
50540	Igbp1b	-0.138	0.055	0.030	0	0	0	0	0	0	NM_015777	immunoglobulin (CD79A) binding protein 1b (Igbp1b), mRNA.	Mme-M400003198	ILMN_2773598	0	0
19289	Igdcc3	-0.385	-0.319	0.096	0	0	0	0	0	0	NM_008988	putative neuronal cell adhesion molecule (Punc), mRNA.	Mme-M200002960	ILMN_2703079	0	0
56741	Igdcc4	-0.126	-0.003	-0.125	0	0	0	0	0	0	NM_020043	neighbor of Punc E11 (Nope), mRNA.	Mme-M300008456	ILMN_2697499	0	0
16000	Igf1	0.265	0.022	-0.139	0	0	0	0	0	0	NM_184052	insulin-like growth factor 1 (Igf1), transcript variant 2, mRNA.	Mme-M200001048	ILMN_1225565	0	0
16001	Igf1r	0.232	0.077	-0.236	0	0	0	0	0	0	NM_010513	insulin-like growth factor I receptor (Igf1r), mRNA.	Mme-M200002902	ILMN_1239663	0	0
140486	Igf2bp1	-0.377	0.107	0.106	0	0	0	0	0	0	NM_009951	insulin-like growth factor 2 mRNA binding protein 1 (Igf2bp1), mRNA.	Mme-M200003190	ILMN_2595622	0	0
140488	Igf2bp3	-0.182	0.233	0.224	0	0	0	0	0	0	NM_023670	insulin-like growth factor 2 mRNA binding protein 3 (Igf2bp3), mRNA.	Mme-M200003619	ILMN_1218913	0	0
16004	Igf2r	0.268	-0.006	-0.059	0	0	0	0	0	0	NM_010515	insulin-like growth factor 2 receptor (Igf2r), mRNA.	Mme-M300003763	ILMN_2931096	0	0
16005	Igfals	-0.098	-0.075	-0.022	0	0	0	0	0	0	NM_008340	insulin-like growth factor binding protein, acid labile subunit (Igfals), mRNA.	Mme-M200001206	ILMN_1222609	0	0
16006	Igfbp1	-0.461	-0.011	0.015	0	0	0	0	0	0	NM_008341	insulin-like growth factor binding protein 1 (Igfbp1), mRNA.	Mme-M200004104	ILMN_1230739	0	0
16008	Igfbp2	0.135	-0.783	-0.092	0	-1	0	0	-1	0	NM_008342	insulin-like growth factor binding protein 2 (Igfbp2), mRNA.	Mme-M200009370	ILMN_1236788	0	1
16009	Igfbp3	0.102	-0.362	-0.167	0	0	0	0	0	0	NM_008343	insulin-like growth factor binding protein 3 (Igfbp3), mRNA.	Mme-M200006403	ILMN_2727503	0	0
16010	Igfbp4	0.144	0.064	0.190	0	0	0	0	0	0	NM_010517	insulin-like growth factor binding protein 4 (Igfbp4), mRNA.	Mme-M200004334	ILMN_2694955	0	0
16011	Igfbp5	0.423	0.056	0.025	0	0	0	0	0	0	NM_010518	insulin-like growth factor binding protein 5 (Igfbp5), mRNA.	Mme-M200000203	ILMN_1254358	0	0
16012	Igfbp6	-0.028	-0.071	-0.211	0	0	0	0	0	0	NM_008344	insulin-like growth factor binding protein 6 (Igfbp6), mRNA.	Mme-M300003651	ILMN_2689790	0	0
29817	Igfbp7	0.119	-0.084	0.160	0	0	0	0	0	0	NM_008048	insulin-like growth factor binding protein 7 (Igfbp7), mRNA.	Mme-M200000191	ILMN_2764588	0	0
75426	Igfbpl1	-0.109	0.006	-0.092	0	0	0	0	0	0	NM_018741	insulin-like growth factor binding protein-like 1 (Igfbpl1), mRNA.	Mme-M200001507	ILMN_2776554	0	0
232925	Igfl3	-0.112	-0.037	0.100	0	0	0	0	0	0	NM_001003393	IGF-like family member 3 (Igfl3), mRNA.	Mme-M400010704	ILMN_2861641	0	0
101883	Igflr1	0.176	0.056	0.035	0	0	0	0	0	0	NM_145580	transmembrane protein 149 (Tmem149), mRNA.	Mme-M200012954	ILMN_1244377	0	0
226438	Igfn1	-0.208	0.037	0.089	0	0	0	0	0	0	XM_001478294	PREDICTED: RIKEN cDNA 9830123M21 gene (9830123M21Rik), mRNA.	Mme-M300013308	ILMN_1227447	0	0
20589	Ighmbp2	-0.230	0.080	-0.040	0	0	0	0	0	0	NM_009212	immunoglobulin mu binding protein 2 (Ighmbp2), mRNA.	Mme-M200001226	ILMN_2692657	0	0
210094	Iglon5	-0.372	-0.086	-0.055	0	0	0	0	0	0	XM_357746	PREDICTED: RIKEN cDNA A230106M20 gene (A230106M20Rik), mRNA.	Mme-M300001219	ILMN_2524603	0	0
209268	Igsf1	-0.651	0.312	-0.556	0	0	-1	0	0	-1	NM_183336	immunoglobulin superfamily, member 1 (Igsf1), transcript variant 4, mRNA.	Mme-M300007562	ILMN_2660505	0	1
242050	Igsf10	0.214	0.344	0.106	0	0	0	0	0	0	XM_887155	PREDICTED: immunoglobulin superfamily, member 10, transcript variant 2 (Igsf10), mRNA.	Mme-M300010337	ILMN_2674966	0	0
207683	Igsf11	-0.072	-0.111	0.117	0	0	0	0	0	0	NM_170599	immunoglobulin superfamily, member 11 (Igsf11), mRNA.	Mme-M300003503	ILMN_1248796	0	0
230868	Igsf21	0.248	-0.097	-0.108	0	0	0	0	0	0	NM_198610	immunoglobin superfamily, member 21 (Igsf21), mRNA.	Mme-M300012957	ILMN_1235388	0	0
70080	Igsf23	-0.025	-0.049	-0.005	0	0	0	0	0	0	NM_027308	RIKEN cDNA 2210010C17 gene (2210010C17Rik), mRNA.	Mme-M400002384	ILMN_1229099	0	0
78908	Igsf3	-0.078	0.228	0.023	0	0	0	0	0	0	NM_207205	immunoglobulin superfamily, member 3 (Igsf3), mRNA.	Mme-M400002573	ILMN_1219384	0	0
72058	Igsf5	0.076	-0.091	-0.024	0	0	0	0	0	0	NM_028078	immunoglobulin superfamily, member 5 (Igsf5), mRNA.	Mme-M200014483	ILMN_2919999	0	0
80719	Igsf6	-0.002	0.048	0.034	0	0	0	0	0	0	NM_030691	immunoglobulin superfamily, member 6 (Igsf6), mRNA.	Mme-M200011579	ILMN_2715673	0	0
140559	Igsf8	-0.046	-0.022	0.034	0	0	0	0	0	0	NM_080419	immunoglobulin superfamily, member 8 (Igsf8), mRNA.	Mme-M200006694	ILMN_2699160	0	0
93842	Igsf9	-0.390	-0.077	-0.125	0	0	0	0	0	0	NM_033608	immunoglobulin superfamily, member 9 (Igsf9), mRNA.	Mme-M300011271	ILMN_2804166	0	0
235086	Igsf9b	-0.283	0.025	0.105	0	0	0	0	0	0	NM_001033323	immunoglobulin superfamily, member 9B (Igsf9b), mRNA.	Mme-M400001675	ILMN_2858183	0	0
16145	Igtp	0.911	1.151	0.546	1	1	1	1	1	1	NM_018738	interferon gamma induced GTPase (Igtp), mRNA.	Mme-M400011289	ILMN_2593554	3	0
16147	Ihh	-0.043	-0.027	-0.033	0	0	0	0	0	0	NM_010544	Indian hedgehog (Ihh), mRNA.	Mme-M200000962	ILMN_2699737	0	0
60440	Iigp1	0.905	0.273	0.088	1	0	0	1	0	0	NM_021792	interferon inducible GTPase 1 (Iigp1), mRNA.	Mme-M400004695	ILMN_2612776	1	0
24010	Ik	0.060	0.231	-0.060	0	0	0	0	0	0	NM_011879	IK cytokine (Ik), mRNA.	Mme-M200006910	ILMN_2707298	0	0
230233	Ikbkap	0.388	0.067	-0.062	0	0	0	0	0	0	NM_026079	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein (Ikbkap), mRNA.	Mme-M200014549	ILMN_2503306	0	0
16150	Ikbkb	0.098	0.023	0.087	0	0	0	0	0	0	NM_010546	inhibitor of kappaB kinase beta (Ikbkb), mRNA.	Mme-M300007763	ILMN_2589556	0	0
56489	Ikbke	-0.097	0.295	0.062	0	0	0	0	0	0	NM_019777	inhibitor of kappaB kinase epsilon (Ikbke), mRNA.	Mme-M200007964	ILMN_3161543	0	0
16151	Ikbkg	0.071	0.128	0.060	0	0	0	0	0	0	NM_010547	inhibitor of kappaB kinase gamma (Ikbkg), transcript variant 1, mRNA.	Mme-M200003215	ILMN_2698097	0	0
22778	Ikzf1	-0.190	0.452	0.308	0	1	1	0	0	0	NM_009578	IKAROS family zinc finger 1 (Ikzf1), transcript variant 2, mRNA.	Mme-M400009853	ILMN_2584685	0	0
22779	Ikzf2	0.203	-0.142	0.292	0	0	0	0	0	0	NM_011770	IKAROS family zinc finger 2 (Ikzf2), mRNA.	Mme-M400014866	ILMN_1217123	0	0
22780	Ikzf3	0.083	0.117	0.001	0	0	0	0	0	0	NM_011771	IKAROS family zinc finger 3 (Ikzf3), mRNA.	Mme-M400014730	ILMN_1216717	0	0
22781	Ikzf4	0.093	0.155	0.007	0	0	0	0	0	0	NM_011772	IKAROS family zinc finger 4 (Ikzf4), mRNA.	Mme-M400000056	ILMN_1258647	0	0
67143	Ikzf5	-0.134	-0.332	-0.119	0	0	0	0	0	0	NM_175115	IKAROS family zinc finger 5 (Ikzf5), mRNA.	Mme-M200006988	ILMN_2963412	0	0
16153	Il10	-0.400	0.035	0.280	0	0	0	0	0	0	NM_010548	interleukin 10 (Il10), mRNA.	Mme-M200000309	ILMN_1238505	0	0
16154	Il10ra	0.072	0.533	0.200	0	1	0	0	0	0	NM_008348	interleukin 10 receptor, alpha (Il10ra), mRNA.	Mme-M300008066	ILMN_1219946	0	0
16156	Il11	-0.027	-0.061	0.013	0	0	0	0	0	0	NM_008350	interleukin 11 (Il11), mRNA.	Mme-M300000552	ILMN_1243862	0	0
16157	Il11ra1	0.307	-0.125	-0.096	0	0	0	0	0	0	NM_010549	interleukin 11 receptor, alpha chain 1 (Il11ra1), mRNA.	Mme-M400011048	ILMN_1229957	0	0
16159	Il12a	0.093	0.225	0.083	0	0	0	0	0	0	NM_008351	interleukin 12a (Il12a), mRNA.	Mme-M300005773	ILMN_2706462	0	0
16160	Il12b	-0.117	-0.029	0.076	0	0	0	0	0	0	NM_008352	interleukin 12b (Il12b), mRNA.	Mme-M200000363	ILMN_2756639	0	0
16161	Il12rb1	0.499	0.816	0.168	0	1	0	0	1	0	NM_008353	interleukin 12 receptor, beta 1 (Il12rb1), mRNA.	Mme-M300000119	ILMN_1227900	1	0
16162	Il12rb2	0.031	0.087	0.088	0	0	0	0	0	0	NM_008354	interleukin 12 receptor, beta 2 (Il12rb2), mRNA.	Mme-M200002198	ILMN_1219641	0	0
16163	Il13	-0.137	-0.060	-0.061	0	0	0	0	0	0	NM_008355	interleukin 13 (Il13), mRNA.	Mme-M200000488	ILMN_2927131	0	0
16164	Il13ra1	0.335	0.043	0.071	0	0	0	0	0	0	NM_133990	interleukin 13 receptor, alpha 1 (Il13ra1), mRNA.	Mme-M400011831	ILMN_2668696	0	0
16165	Il13ra2	-0.134	-0.139	0.035	0	0	0	0	0	0	NM_008356	interleukin 13 receptor, alpha 2 (Il13ra2), mRNA.	Mme-M400010819	ILMN_1246284	0	0
16168	Il15	-0.262	0.281	0.134	0	0	0	0	0	0	NM_008357	interleukin 15 (Il15), mRNA.	Mme-M200001721	ILMN_2938704	0	0
16169	Il15ra	0.232	0.263	0.061	0	0	0	0	0	0	NM_133836	interleukin 15 receptor, alpha chain (Il15ra), transcript variant 2, mRNA.	Mme-M200012863	ILMN_1220603	0	0
16170	Il16	0.272	-0.066	-0.088	0	0	0	0	0	0	NM_010551	interleukin 16 (Il16), mRNA.	Mme-M200002878	ILMN_2462779	0	0
16171	Il17a	-0.267	-0.037	-0.155	0	0	0	0	0	0	NM_010552	interleukin 17A (Il17a), mRNA.	Mme-M200016220	ILMN_1220595	0	0
56069	Il17b	-0.223	-0.004	-0.030	0	0	0	0	0	0	NM_019508	interleukin 17B (Il17b), mRNA.	Mme-M200015270	ILMN_1252489	0	0
234836	Il17c	-0.239	-0.021	-0.030	0	0	0	0	0	0	NM_145834	interleukin 17C (Il17c), mRNA.	Mme-M300017036	ILMN_2708607	0	0
239114	Il17d	0.012	-0.197	0.075	0	0	0	0	0	0	NM_145837	interleukin 17D (Il17d), mRNA.	Mme-M400003663	ILMN_2691606	0	0
257630	Il17f	-0.326	0.010	-0.010	0	0	0	0	0	0	NM_145856	interleukin 17F (Il17f), mRNA.	Mme-M300013406	ILMN_2741201	0	0
16172	Il17ra	-0.011	0.183	0.064	0	0	0	0	0	0	NM_008359	interleukin 17 receptor A (Il17ra), mRNA.	Mme-M200001766	ILMN_2655024	0	0
50905	Il17rb	0.148	-0.118	0.109	0	0	0	0	0	0	NM_019583	interleukin 17 receptor B (Il17rb), mRNA.	Mme-M200009438	ILMN_2770260	0	0
171095	Il17rc	0.196	-0.161	0.062	0	0	0	0	0	0	NM_134159	interleukin 17 receptor C (Il17rc), mRNA.	Mme-M200007303	ILMN_2785353	0	0
171463	Il17rd	-0.184	-0.114	-0.080	0	0	0	0	0	0	NM_134437	interleukin 17 receptor D (Il17rd), mRNA.	Mme-M300012812	ILMN_1248657	0	0
57890	Il17re	-0.320	-0.159	-0.127	0	0	0	0	0	0	NM_001034029	interleukin 17 receptor E (Il17re), transcript variant 2, mRNA.	Mme-M300014175	ILMN_3163006	0	0
16173	Il18	0.229	0.014	0.251	0	0	0	0	0	0	NM_008360	interleukin 18 (Il18), mRNA.	Mme-M300012030	ILMN_1236517	0	0
16182	Il18r1	0.009	0.560	0.279	0	1	0	0	1	0	NM_008365	interleukin 18 receptor 1 (Il18r1), mRNA.	Mme-M300004923	ILMN_1218525	1	0
16174	Il18rap	-0.027	0.336	0.130	0	0	0	0	0	0	NM_010553	interleukin 18 receptor accessory protein (Il18rap), mRNA.	Mme-M200003918	ILMN_1221620	0	0
329244	Il19	-0.373	0.050	0.042	0	0	0	0	0	0	NM_001009940	interleukin 19 (Il19), mRNA.	Mme-M300001524	ILMN_2679276	0	0
16175	Il1a	0.076	0.251	0.145	0	0	0	0	0	0	NM_010554	interleukin 1 alpha (Il1a), mRNA.	Mme-M200003379	ILMN_1243066	0	0
16176	Il1b	-0.195	0.496	0.347	0	1	1	0	0	0	NM_008361	interleukin 1 beta (Il1b), mRNA.	Mme-M300005624	ILMN_2777498	0	0
215274	Il1f10	0.357	-0.008	-0.007	0	0	0	0	0	0	NM_153077	interleukin 1 family, member 10 (Il1f10), mRNA.	Mme-M300017718	ILMN_2776687	0	0
54450	Il1f5	-0.071	0.114	-0.042	0	0	0	0	0	0	NM_019451	interleukin 1 family, member 5 (delta) (Il1f5), mRNA.	Mme-M400011309	ILMN_2734863	0	0
54448	Il1f6	-0.051	0.149	-0.031	0	0	0	0	0	0	NM_019450	interleukin 1 family, member 6 (Il1f6), mRNA.	Mme-M200009096	ILMN_1251134	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
215257	Il1f9	-0.167	-0.044	-0.004	0	0	0	0	0	0	NM_153511	interleukin 1 family, member 9 (Il1f9), mRNA.	Mme-M300015146	ILMN_2658704	0	0
16177	Il1r1	0.171	-0.084	-0.019	0	0	0	0	0	0	NM_008362	interleukin 1 receptor, type I (Il1r1), transcript variant 1, mRNA.	Mme-M400000889	ILMN_1231125	0	0
16178	Il1r2	0.033	0.074	0.060	0	0	0	0	0	0	NM_010555	interleukin 1 receptor, type II (Il1r2), mRNA.	Mme-M200000524	ILMN_2611000	0	0
16180	Il1rap	-0.163	-0.070	0.077	0	0	0	0	0	0	NM_008364	interleukin 1 receptor accessory protein (Il1rap), transcript variant 1, mRNA.	Mme-M200004995	ILMN_1226428	0	0
331461	Il1rapl1	0.093	-0.063	0.068	0	0	0	0	0	0	XM_486726	PREDICTED: interleukin 1 receptor accessory protein-like 1, transcript variant 1 (Il1rapl1), mRNA.	Mme-M300009905	ILMN_2639004	0	0
60367	Il1rapl2	0.001	0.004	0.014	0	0	0	0	0	0	NM_030688	interleukin 1 receptor accessory protein-like 2 (Il1rapl2), mRNA.	Mme-M200009822	ILMN_2590585	0	0
17082	Il1rl1	-0.052	0.039	0.043	0	0	0	0	0	0	NM_010743	interleukin 1 receptor-like 1 (Il1rl1), transcript variant 2, mRNA.	Mme-M400011065	ILMN_2757617	0	0
107527	Il1rl2	0.043	0.050	-0.032	0	0	0	0	0	0	NM_133193	interleukin 1 receptor-like 2 (Il1rl2), mRNA.	Mme-M200009825	ILMN_1241831	0	0
16181	Il1rn	0.215	0.458	-0.102	0	1	0	0	0	0	NM_001039701	interleukin 1 receptor antagonist (Il1rn), transcript variant 2, mRNA.	Mme-M300005418	ILMN_1233093	0	0
16183	Il2	-0.057	0.192	0.064	0	0	0	0	0	0	NM_008366	interleukin 2 (Il2), mRNA.	Mme-M200003286	ILMN_2725259	0	0
58181	Il20	-0.151	-0.445	0.001	0	-1	0	0	0	0	NM_021380	interleukin 20 (Il20), mRNA.	Mme-M200008645	ILMN_2925044	0	0
237313	Il20ra	-0.078	-0.050	0.039	0	0	0	0	0	0	NM_172786	interleukin 20 receptor, alpha (Il20ra), mRNA.	Mme-M300001949	ILMN_1246596	0	0
213208	Il20rb	-0.202	-0.103	-0.192	0	0	0	0	0	0	NM_001033543	interleukin 20 receptor beta (Il20rb), mRNA.	Mme-M400002870	ILMN_3155812	0	0
60505	Il21	-0.164	0.132	-0.060	0	0	0	0	0	0	NM_021782	interleukin 21 (Il21), mRNA.	Mme-M200009944	ILMN_2536498	0	0
60504	Il21r	0.226	0.086	-0.049	0	0	0	0	0	0	NM_021887	interleukin 21 receptor (Il21r), mRNA.	Mme-M200009833	ILMN_3120000	0	0
50929	Il22	-0.034	0.077	-0.015	0	0	0	0	0	0	NM_016971	interleukin 22 (Il22), mRNA.	Mme-M400004730	ILMN_2755950	0	0
230828	Il22ra1	-0.366	-0.024	0.091	0	0	0	0	0	0	NM_178257	interleukin 22 receptor, alpha 1 (Il22ra1), mRNA.	Mme-M300010780	ILMN_2975455	0	0
237310	Il22ra2	0.080	0.025	-0.005	0	0	0	0	0	0	NM_178258	interleukin 22 receptor, alpha 2 (Il22ra2), mRNA.	Mme-M300012353	ILMN_2608406	0	0
83430	Il23a	-0.397	-0.056	-0.058	0	0	0	0	0	0	NM_031252	interleukin 23, alpha subunit p19 (Il23a), mRNA.	Mme-M200008970	ILMN_2671320	0	0
209590	Il23r	-0.304	0.046	-0.028	0	0	0	0	0	0	NM_144548	interleukin 23 receptor (Il23r), mRNA.	Mme-M400008390	ILMN_1244322	0	0
93672	Il24	-0.271	-0.067	0.016	0	0	0	0	0	0	NM_053095	interleukin 24 (Il24), mRNA.	Mme-M300005097	ILMN_1214841	0	0
140806	Il25	0.003	0.173	0.005	0	0	0	0	0	0	NM_080729	interleukin 25 (Il25), mRNA.	Mme-M200016080	ILMN_2695495	0	0
246779	Il27	-0.227	0.059	0.107	0	0	0	0	0	0	NM_145636	interleukin 27 (Il27), mRNA.	Mme-M300015701	ILMN_2630045	0	0
50931	Il27ra	0.085	0.403	0.297	0	0	0	0	0	0	NM_016671	interleukin 27 receptor, alpha (Il27ra), mRNA.	Mme-M300000676	ILMN_2591156	0	0
16184	Il2ra	0.152	0.039	0.078	0	0	0	0	0	0	NM_008367	interleukin 2 receptor, alpha chain (Il2ra), mRNA.	Mme-M400000960	ILMN_1233474	0	0
16185	Il2rb	0.162	0.114	0.022	0	0	0	0	0	0	NM_008368	interleukin 2 receptor, beta chain (Il2rb), mRNA.	Mme-M400010820	ILMN_1246541	0	0
16186	Il2rg	0.245	0.427	0.078	0	1	0	0	0	0	NM_013563	interleukin 2 receptor, gamma chain (Il2rg), mRNA.	Mme-M200001111	ILMN_2886646	0	0
16187	Il3	0.447	0.073	-0.021	0	0	0	0	0	0	NM_010556	interleukin 3 (Il3), mRNA.	Mme-M200000356	ILMN_1247309	0	0
76399	Il31	0.104	-0.019	0.005	0	0	0	0	0	0	XM_132344	PREDICTED: interleukin 31 (Il31), mRNA.	Mme-M200015395	ILMN_1240632	0	0
218624	Il31ra	-0.028	-0.014	-0.169	0	0	0	0	0	0	NM_139299	interleukin 31 receptor A (Il31ra), mRNA.	Mme-M300021075	ILMN_2658827	0	0
77125	Il33	0.335	0.109	0.055	0	0	0	0	0	0	NM_133775	interleukin 33 (Il33), mRNA.	Mme-M200012082	ILMN_1259747	0	0
16188	Il3ra	-0.366	0.197	0.065	0	0	0	0	0	0	NM_008369	interleukin 3 receptor, alpha chain (Il3ra), mRNA.	Mme-M400010821	ILMN_2916571	0	0
16189	Il4	-0.139	-0.011	0.054	0	0	0	0	0	0	NM_021283	interleukin 4 (Il4), mRNA.	Mme-M200000132	ILMN_2931334	0	0
14204	Il4i1	0.050	0.324	0.108	0	0	0	0	0	0	NM_010215	interleukin 4 induced 1 (Il4i1), mRNA.	Mme-M200000977	ILMN_2733778	0	0
16190	Il4ra	0.382	0.106	-0.049	0	0	0	0	0	0	NM_001008700	interleukin 4 receptor, alpha (Il4ra), mRNA.	Mme-M200000370	ILMN_2738433	0	0
16191	Il5	0.100	0.043	-0.039	0	0	0	0	0	0	NM_010558	interleukin 5 (Il5), mRNA.	Mme-M200001755	ILMN_2731160	0	0
16192	Il5ra	0.089	-0.093	-0.039	0	0	0	0	0	0	NM_008370	interleukin 5 receptor, alpha (Il5ra), mRNA.	Mme-M400000105	ILMN_2773153	0	0
16193	Il6	0.044	0.110	0.022	0	0	0	0	0	0	NM_031168	interleukin 6 (Il6), mRNA.	Mme-M200000375	ILMN_1243601	0	0
16194	Il6ra	-0.038	-0.117	0.100	0	0	0	0	0	0	NM_010559	interleukin 6 receptor, alpha (Il6ra), mRNA.	Mme-M400001045	ILMN_2706430	0	0
16195	Il6st	0.102	-0.133	0.012	0	0	0	0	0	0	NM_010560	interleukin 6 signal transducer (Il6st), mRNA.	Mme-M400000510	ILMN_2608184	0	0
16196	Il7	0.044	0.175	0.119	0	0	0	0	0	0	NM_008371	interleukin 7 (Il7), mRNA.	Mme-M200001466	ILMN_2630852	0	0
16197	Il7r	0.059	0.405	0.427	0	0	1	0	0	1	NM_008372	interleukin 7 receptor (Il7r), mRNA.	Mme-M200000142	ILMN_2680827	1	0
16198	Il9	-0.029	-0.014	0.067	0	0	0	0	0	0	NM_008373	interleukin 9 (Il9), mRNA.	Mme-M200001154	ILMN_2733017	0	0
16199	Il9r	-0.495	0.044	-0.077	0	0	0	0	0	0	NM_008374	interleukin 9 receptor (Il9r), mRNA.	Mme-M400000376	ILMN_2688364	0	0
106347	Ildr1	0.321	-0.192	-0.134	0	0	0	0	0	0	NM_134109	immunoglobulin-like domain containing receptor 1 (Ildr1), mRNA.	Mme-M200003542	ILMN_2857684	0	0
67781	Ilf2	0.136	0.149	-0.032	0	0	0	0	0	0	NM_026374	interleukin enhancer binding factor 2 (Ilf2), mRNA.	Mme-M200004152	ILMN_2775891	0	0
16201	Ilf3	-0.138	-0.084	0.073	0	0	0	0	0	0	NM_001042707	interleukin enhancer binding factor 3 (Ilf3), transcript variant 2, mRNA.	Mme-M200004014	ILMN_2707400	0	0
16202	Ilk	0.045	0.272	-0.126	0	0	0	0	0	0	NM_010562	integrin linked kinase (Ilk), mRNA.	Mme-M200002680	ILMN_2842137	0	0
67444	Ilkap	-0.010	0.029	0.051	0	0	0	0	0	0	NM_023343	integrin-linked kinase-associated serine/threonine phosphatase 2C (Ilkap), mRNA.	Mme-M200006253	ILMN_2727893	0	0
116849	Iltifb	-0.060	0.048	-0.065	0	0	0	0	0	0	NM_054079	interleukin 10-related T cell-derived inducible factor beta (Iltifb), mRNA.	Mme-M400007483	ILMN_2717822	0	0
216136	Ilvbl	-0.177	0.181	-0.161	0	0	0	0	0	0	NM_173751	ilvB (bacterial acetolactate synthase)-like (Ilvbl), mRNA.	Mme-M300008428	ILMN_1218540	0	0
93757	Immp2l	0.146	0.100	-0.294	0	0	0	0	0	0	NM_053122	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae) (Immp2l), nuclear gene encoding mitochondr	Mme-M400005677	ILMN_1242333	0	0
76614	Immt	0.182	0.035	0.114	0	0	0	0	0	0	NM_029673	inner membrane protein, mitochondrial (Immt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011685	ILMN_3162174	0	0
102462	Imp3	0.118	-0.173	-0.124	0	0	0	0	0	0	NM_133976	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast) (Imp3), mRNA.	Mme-M200003153	ILMN_2593208	0	0
27993	Imp4	-0.016	0.128	-0.118	0	0	0	0	0	0	NM_178601	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast) (Imp4), mRNA.	Mme-M200007857	ILMN_1227519	0	0
55980	Impa1	-0.112	-0.023	-0.018	0	0	0	0	0	0	NM_018864	inositol (myo)-1(or 4)-monophosphatase 1 (Impa1), mRNA.	Mme-M400001018	ILMN_2718157	0	0
114663	Impa2	-0.079	-0.010	-0.063	0	0	0	0	0	0	NM_053261	inositol (myo)-1(or 4)-monophosphatase 2 (Impa2), mRNA.	Mme-M200007481	ILMN_2662160	0	0
16210	Impact	0.063	0.161	0.088	0	0	0	0	0	0	NM_008378	imprinted and ancient (Impact), mRNA.	Mme-M200002684	ILMN_2760977	0	0
242291	Impad1	-0.103	-0.183	-0.309	0	0	-1	0	0	0	NM_177730	inositol monophosphatase domain containing 1 (Impad1), mRNA.	Mme-M400012431	ILMN_1216426	0	0
23917	Impdh1	-0.033	0.142	-0.092	0	0	0	0	0	0	NM_011829	inosine 5'-phosphate dehydrogenase 1 (Impdh1), mRNA.	Mme-M400000073	ILMN_1216301	0	0
23918	Impdh2	0.332	0.139	-0.221	0	0	0	0	0	0	NM_011830	inosine 5'-phosphate dehydrogenase 2 (Impdh2), mRNA.	Mme-M400009648	ILMN_2588398	0	0
63859	Impg1	0.405	0.050	-0.099	0	0	0	0	0	0	NM_022016	interphotoreceptor matrix proteoglycan 1 (Impg1), mRNA.	Mme-M400001454	ILMN_1259782	0	0
224224	Impg2	-0.107	0.004	-0.017	0	0	0	0	0	0	NM_174876	interphotoreceptor matrix proteoglycan 2 (Impg2), mRNA.	Mme-M300009820	ILMN_1246435	0	0
12695	Inadl	-0.265	-0.078	-0.074	0	0	0	0	0	0	NM_007704	InaD-like (Drosophila) (Inadl), transcript variant 3, mRNA.	Mme-M300006158	ILMN_2708580	0	0
103844	Inca1	0.007	0.097	-0.063	0	0	0	0	0	0	NM_213729	expressed sequence AI842396 (AI842396), mRNA.	Mme-M400005752	ILMN_2650902	0	0
16319	Incenp	0.196	0.343	0.116	0	0	0	0	0	0	NM_016692	inner centromere protein (Incenp), mRNA.	Mme-M200006636	ILMN_1216213	0	0
70435	Inf2	-0.013	0.119	0.093	0	0	0	0	0	0	NM_198411	RIKEN cDNA 2610204M08 gene (2610204M08Rik), mRNA.	Mme-M200004511	ILMN_2749595	0	0
26356	Ing1	0.208	-0.086	0.145	0	0	0	0	0	0	NM_011919	inhibitor of growth family, member 1 (Ing1), mRNA.	Mme-M300016888	ILMN_1219113	0	0
69260	Ing2	0.205	0.021	0.046	0	0	0	0	0	0	NM_023503	inhibitor of growth family, member 2 (Ing2), mRNA.	Mme-M400008086	ILMN_2673064	0	0
71777	Ing3	0.126	-0.106	0.102	0	0	0	0	0	0	NM_023626	inhibitor of growth family, member 3 (Ing3), mRNA.	Mme-M200008238	ILMN_2685696	0	0
28019	Ing4	0.143	-0.131	0.089	0	0	0	0	0	0	NM_133345	inhibitor of growth family, member 4 (Ing4), mRNA.	Mme-M400001251	ILMN_2639665	0	0
66262	Ing5	-0.098	0.077	0.110	0	0	0	0	0	0	NM_025454	inhibitor of growth family, member 5 (Ing5), mRNA.	Mme-M200009882	ILMN_1237907	0	0
16322	Inha	0.251	0.092	-0.046	0	0	0	0	0	0	NM_010564	inhibin alpha (Inha), mRNA.	Mme-M200000397	ILMN_1239270	0	0
16323	Inhba	-0.141	0.164	-0.008	0	0	0	0	0	0	NM_008380	inhibin beta-A (Inhba), mRNA.	Mme-M200002662	ILMN_2868220	0	0
16324	Inhbb	-0.276	0.114	-0.204	0	0	0	0	0	0	NM_008381	inhibin beta-B (Inhbb), mRNA.	Mme-M300010707	ILMN_2653725	0	0
16325	Inhbc	-0.109	-0.018	-0.069	0	0	0	0	0	0	NM_010565	inhibin beta-C (Inhbc), mRNA.	Mme-M400000827	ILMN_2792344	0	0
16326	Inhbe	-0.018	-0.020	-0.058	0	0	0	0	0	0	NM_008382	inhibin beta E (Inhbe), mRNA.	Mme-M200001370	ILMN_1229605	0	0
66209	Inip	-0.084	-0.090	-0.049	0	0	0	0	0	0	NM_001013577	RIKEN cDNA 1110054O05 gene (1110054O05Rik), mRNA.	Mme-M400002150	ILMN_1220589	0	0
21743	Inmt	0.620	0.381	0.089	0	0	0	0	0	0	NM_009349	indolethylamine N-methyltransferase (Inmt), mRNA.	Mme-M200000107	ILMN_1231445	0	0
68142	Ino80	-0.216	0.091	-0.015	0	0	0	0	0	0	NM_026574	INO80 complex homolog 1 (S. cerevisiae) (Inoc1), mRNA.	Mme-M400001655	ILMN_2648482	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70020	Ino80b	0.160	-0.060	-0.033	0	0	0	0	0	0	NM_023547	zinc finger, HIT type 4 (Znhit4), mRNA.	Mme-M200005711	ILMN_2915166	0	0
225280	Ino80c	0.077	0.123	-0.151	0	0	0	0	0	0	NM_172625	RIKEN cDNA D030070L09 gene (D030070L09Rik), mRNA.	Mme-M300018814	ILMN_2613182	0	0
227195	Ino80d	0.027	-0.199	0.312	0	0	1	0	0	0	NM_001081436	RIKEN cDNA A430093A21 gene (A430093A21Rik), transcript variant 2, mRNA.	Mme-M300012907	ILMN_2685061	0	0
233875	Ino80e	0.219	0.244	0.044	0	0	0	0	0	0	NM_153580	coiled-coil domain containing 95 (Ccdc95), mRNA.	Mme-M300019970	ILMN_1244842	0	0
16329	Inpp1	0.142	-0.167	-0.069	0	0	0	0	0	0	NM_008384	inositol polyphosphate-1-phosphatase (Inpp1), mRNA.	Mme-M300004935	ILMN_2901801	0	0
269180	Inpp4a	0.090	0.110	0.096	0	0	0	0	0	0	NM_030266	inositol polyphosphate-4-phosphatase, type I (Inpp4a), transcript variant 1, mRNA.	Mme-M300004943	ILMN_2773879	0	0
234515	Inpp4b	0.120	0.292	0.017	0	0	0	0	0	0	NM_001024617	inositol polyphosphate-4-phosphatase, type II (Inpp4b), mRNA.	Mme-M300011235	ILMN_1229245	0	0
212111	Inpp5a	0.154	0.037	-0.138	0	0	0	0	0	0	NM_183144	inositol polyphosphate-5-phosphatase A (Inpp5a), mRNA.	Mme-M300004653	ILMN_2717861	0	0
16330	Inpp5b	0.251	-0.015	-0.075	0	0	0	0	0	0	NM_008385	inositol polyphosphate-5-phosphatase B (Inpp5b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005195	ILMN_1236911	0	0
16331	Inpp5d	0.277	0.406	0.115	0	0	0	0	0	0	NM_001110193	inositol polyphosphate-5-phosphatase D (Inpp5d), transcript variant 3, mRNA.	Mme-M200003362	ILMN_2959191	0	0
64436	Inpp5e	0.095	-0.087	-0.036	0	0	0	0	0	0	NM_033134	inositol polyphosphate-5-phosphatase E (Inpp5e), mRNA.	Mme-M200012056	ILMN_2643846	0	0
101490	Inpp5f	-0.278	-0.094	-0.041	0	0	0	0	0	0	NM_178641	inositol polyphosphate-5-phosphatase F (Inpp5f), mRNA.	Mme-M300013513	ILMN_2619389	0	0
170835	Inpp5j	-0.280	-0.164	0.073	0	0	0	0	0	0	NM_172439	phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A (Pib5pa), mRNA.	Mme-M300009420	ILMN_3008586	0	0
19062	Inpp5k	-0.184	0.104	-0.163	0	0	0	0	0	0	NM_008916	putative phosphatase (Pps), mRNA.	Mme-M200000599	ILMN_2933431	0	0
16333	Ins1	-0.106	0.031	0.008	0	0	0	0	0	0	NM_008386	insulin I (Ins1), mRNA.	Mme-M400001851	ILMN_2743236	0	0
16334	Ins2	-0.108	0.092	-0.073	0	0	0	0	0	0	NM_008387	insulin II (Ins2), mRNA.	Mme-M400000009	ILMN_2690267	0	0
233752	Insc	-0.059	0.038	-0.017	0	0	0	0	0	0	NM_173767	inscuteable homolog (Drosophila) (Insc), mRNA.	Mme-M300019560	ILMN_1253062	0	0
231070	Insig1	0.161	-0.308	-0.403	0	0	-1	0	0	0	NM_153526	insulin induced gene 1 (Insig1), mRNA.	Mme-M300016263	ILMN_2895388	0	0
72999	Insig2	0.308	0.089	-0.059	0	0	0	0	0	0	NM_133748	insulin induced gene 2 (Insig2), mRNA.	Mme-M200005433	ILMN_2690256	0	0
16336	Insl3	0.076	0.376	0.370	0	0	1	0	0	0	NM_013564	insulin-like 3 (Insl3), mRNA.	Mme-M300007912	ILMN_1249776	0	0
23919	Insl5	-0.106	0.063	-0.039	0	0	0	0	0	0	NM_011831	insulin-like 5 (Insl5), mRNA.	Mme-M400011173	ILMN_2608858	0	0
27356	Insl6	-0.066	0.149	0.057	0	0	0	0	0	0	NM_013754	insulin-like 6 (Insl6), mRNA.	Mme-M200014409	ILMN_2677859	0	0
53626	Insm1	0.400	-0.228	-0.324	0	0	-1	0	0	0	NM_016889	insulinoma-associated 1 (Insm1), mRNA.	Mme-M400011271	ILMN_2859558	0	0
56856	Insm2	-0.343	-0.080	-0.025	0	0	0	0	0	0	NM_020287	insulinoma-associated 2 (Insm2), mRNA.	Mme-M200008598	ILMN_2891445	0	0
16337	Insr	0.131	-0.150	0.096	0	0	0	0	0	0	NM_010568	insulin receptor (Insr), mRNA.	Mme-M400000107	ILMN_2628026	0	0
23920	Insrr	-0.192	0.073	0.066	0	0	0	0	0	0	NM_011832	insulin receptor-related receptor (Insrr), mRNA.	Mme-M200013853	ILMN_2800070	0	0
68510	Ints1	0.048	-0.006	-0.178	0	0	0	0	0	0	NM_026748	integrator complex subunit 1 (Ints1), mRNA.	Mme-M200009762	ILMN_1222829	0	0
70885	Ints10	-0.203	0.009	-0.038	0	0	0	0	0	0	NM_027590	integrator complex subunit 10 (Ints10), mRNA.	Mme-M200007153	ILMN_2649174	0	0
71793	Ints12	0.089	-0.040	-0.004	0	0	0	0	0	0	NM_027927	integrator complex subunit 12 (Ints12), mRNA.	Mme-M300005903	ILMN_2522765	0	0
70422	Ints2	0.245	-0.004	0.006	0	0	0	0	0	0	NM_027421	integrator complex subunit 2 (Ints2), mRNA.	Mme-M300001631	ILMN_2657510	0	0
229543	Ints3	-0.108	0.155	-0.038	0	0	0	0	0	0	NM_145540	integrator complex subunit 3 (Ints3), transcript variant 1, mRNA.	Mme-M200006523	ILMN_1229435	0	0
101861	Ints4	0.121	-0.199	-0.006	0	0	0	0	0	0	NM_027256	integrator complex subunit 4 (Ints4), mRNA.	Mme-M200005531	ILMN_2678269	0	0
109077	Ints5	0.083	0.150	-0.049	0	0	0	0	0	0	NM_176843	integrator complex subunit 5 (Ints5), mRNA.	Mme-M300013992	ILMN_2952587	0	0
18130	Ints6	0.138	-0.044	0.015	0	0	0	0	0	0	NM_008715	integrator complex subunit 6 (Ints6), mRNA.	Mme-M200001625	ILMN_3161409	0	0
72656	Ints8	0.210	-0.028	0.059	0	0	0	0	0	0	NM_178112	integrator complex subunit 8 (Ints8), mRNA.	Mme-M300012827	ILMN_1226859	0	0
210925	Ints9	0.043	-0.069	-0.251	0	0	0	0	0	0	NM_153414	integrator complex subunit 9 (Ints9), mRNA.	Mme-M300003038	ILMN_2767949	0	0
16348	Invs	-0.035	-0.025	0.095	0	0	0	0	0	0	NM_010569	inversin (Invs), mRNA.	Mme-M300006054	ILMN_2664069	0	0
27399	Ip6k1	-0.183	0.300	-0.002	0	0	0	0	0	0	NM_013785	inositol hexaphosphate kinase 1 (Ihpk1), mRNA.	Mme-M200012584	ILMN_2665131	0	0
271424	Ip6k3	0.211	0.150	0.077	0	0	0	0	0	0	NM_173027	inositol hexaphosphate kinase 3 (Ihpk3), mRNA.	Mme-M300003986	ILMN_2600779	0	0
320495	Ipcef1	-0.068	0.061	0.203	0	0	0	0	0	0	NM_001033391	RIKEN cDNA A130090K04 gene (A130090K04Rik), mRNA.	Mme-M400008700	ILMN_3162205	0	0
69718	Ipmk	-0.152	-0.246	-0.083	0	0	0	0	0	0	NM_027184	inositol polyphosphate multikinase (Ipmk), mRNA.	Mme-M400007280	ILMN_2763825	0	0
230673	Ipo13	0.047	-0.013	-0.138	0	0	0	0	0	0	NM_146152	importin 13 (Ipo13), mRNA.	Mme-M300008740	ILMN_2617265	0	0
75751	Ipo4	-0.072	0.092	-0.048	0	0	0	0	0	0	NM_024267	importin 4 (Ipo4), mRNA.	Mme-M300000297	ILMN_2703099	0	0
70572	Ipo5	0.112	0.158	0.062	0	0	0	0	0	0	NM_023579	importin 5 (Ipo5), mRNA.	Mme-M200009618	ILMN_2764995	0	0
233726	Ipo7	0.320	-0.040	0.023	0	0	0	0	0	0	NM_181517	importin 7 (Ipo7), mRNA.	Mme-M400012524	ILMN_2619968	0	0
320727	Ipo8	0.031	0.016	-0.137	0	0	0	0	0	0	NM_001081113	importin 8 (Ipo8), mRNA.	Mme-M300012494	ILMN_2629690	0	0
226432	Ipo9	-0.037	-0.145	-0.022	0	0	0	0	0	0	NM_153774	importin 9 (Ipo9), mRNA.	Mme-M400002560	ILMN_1235337	0	0
16351	Ipp	0.289	-0.082	-0.021	0	0	0	0	0	0	NM_008389	IAP promoted placental gene (Ipp), mRNA.	Mme-M400001106	ILMN_1237651	0	0
75678	Ippk	0.131	-0.093	-0.014	0	0	0	0	0	0	NM_199056	inositol 1,3,4,5,6-pentakisphosphate 2-kinase (Ippk), mRNA.	Mme-M300002736	ILMN_2757838	0	0
16353	Ipw	-0.077	0.305	0.011	0	0	0	0	0	0	NR_015351	imprinted gene in the Prader-Willi syndrome region (Ipw) on chromosome 7.	Mme-M400016405	ILMN_1228434	0	0
74918	Iqca	-0.372	-0.006	-0.056	0	0	0	0	0	0	XM_001474471	PREDICTED: IQ motif containing with AAA domain (Iqca), mRNA.	Mme-M400006176	ILMN_2428714	0	0
320299	Iqcb1	0.047	-0.128	0.146	0	0	0	0	0	0	NM_177128	IQ calmodulin-binding motif containing 1 (Iqcb1), mRNA.	Mme-M300003540	ILMN_1252447	0	0
230767	Iqcc	-0.049	-0.117	0.100	0	0	0	0	0	0	NM_198026	IQ motif containing C (Iqcc), mRNA.	Mme-M400002437	ILMN_2769171	0	0
75732	Iqcd	0.009	-0.122	-0.066	0	0	0	0	0	0	NM_029408	IQ motif containing D (Iqcd), mRNA.	Mme-M200007974	ILMN_1254417	0	0
74239	Iqce	-0.202	-0.103	-0.028	0	0	0	0	0	0	NM_028833	IQ motif containing E (Iqce), mRNA.	Mme-M200011906	ILMN_2680876	0	0
74267	Iqcf1	-0.117	-0.013	-0.030	0	0	0	0	0	0	XM_486254	PREDICTED: IQ motif containing F1, transcript variant 1 (Iqcf1), mRNA.	Mme-M400014159	ILMN_2755507	0	0
68265	Iqcf3	-0.274	0.057	0.003	0	0	0	0	0	0	NM_026645	IQ motif containing F3 (Iqcf3), mRNA.	Mme-M200009349	ILMN_2787448	0	0
67320	Iqcf4	-0.212	0.134	-0.013	0	0	0	0	0	0	NM_026090	IQ motif containing F4 (Iqcf4), mRNA.	Mme-M300012981	ILMN_2677261	0	0
69707	Iqcg	-0.048	0.000	-0.065	0	0	0	0	0	0	NM_178378	IQ motif containing G (Iqcg), mRNA.	Mme-M300009994	ILMN_1241911	0	0
208426	Iqcj	-0.134	-0.016	0.101	0	0	0	0	0	0	NM_177585	predicted gene, EG208426 (EG208426), mRNA.	Mme-M400003884	ILMN_2717025	0	0
29875	Iqgap1	0.072	-0.049	0.388	0	0	1	0	0	0	NM_016721	IQ motif containing GTPase activating protein 1 (Iqgap1), mRNA.	Mme-M200014838	ILMN_2654495	0	0
544963	Iqgap2	0.193	-0.573	-0.112	0	-1	0	0	-1	0	NM_027711	IQ motif containing GTPase activating protein 2 (Iqgap2), mRNA.	Mme-M400006132	ILMN_2908846	0	1
404710	Iqgap3	-0.358	0.042	0.035	0	0	0	0	0	0	NM_001033484	IQ motif containing GTPase activating protein 3 (Iqgap3), mRNA.	Mme-M300005923	ILMN_1256718	0	0
245666	Iqsec2	-0.041	0.251	-0.114	0	0	0	0	0	0	NM_001005475	IQ motif and Sec7 domain 2 (Iqsec2), transcript variant 2, mRNA.	Mme-M300013025	ILMN_2824098	0	0
243621	Iqsec3	-0.266	0.415	-0.100	0	0	0	0	0	0	NM_001033354	IQ motif and Sec7 domain 3 (Iqsec3), mRNA.	Mme-M300012861	ILMN_2740306	0	0
214704	Iqub	-0.094	0.067	-0.080	0	0	0	0	0	0	NM_172535	IQ motif and ubiquitin domain containing (Iqub), mRNA.	Mme-M400003128	ILMN_2833634	0	0
16179	Irak1	0.400	0.122	-0.066	0	0	0	0	0	0	NM_008363	interleukin-1 receptor-associated kinase 1 (Irak1), mRNA.	Mme-M300007699	ILMN_2525513	0	0
65099	Irak1bp1	0.178	0.038	0.003	0	0	0	0	0	0	NM_022986	interleukin-1 receptor-associated kinase 1 binding protein 1 (Irak1bp1), mRNA.	Mme-M200013585	ILMN_2607873	0	0
73914	Irak3	0.157	0.084	0.083	0	0	0	0	0	0	NM_028679	interleukin-1 receptor-associated kinase 3 (Irak3), mRNA.	Mme-M300002071	ILMN_1253972	0	0
266632	Irak4	-0.111	0.129	0.073	0	0	0	0	0	0	NM_029926	interleukin-1 receptor-associated kinase 4 (Irak4), mRNA.	Mme-M300008728	ILMN_1226783	0	0
64602	Ireb2	0.047	-0.179	-0.084	0	0	0	0	0	0	NM_022655	iron responsive element binding protein 2 (Ireb2), mRNA.	Mme-M300008167	ILMN_3161612	0	0
16362	Irf1	0.947	1.134	0.342	1	1	1	1	1	0	NM_008390	interferon regulatory factor 1 (Irf1), mRNA.	Mme-M200000461	ILMN_2599782	2	0
16363	Irf2	0.137	0.085	0.088	0	0	0	0	0	0	NM_008391	interferon regulatory factor 2 (Irf2), mRNA.	Mme-M400001393	ILMN_1251696	0	0
272359	Irf2bp1	0.260	-0.081	-0.142	0	0	0	0	0	0	NM_178757	interferon regulatory factor 2 binding protein 1 (Irf2bp1), mRNA.	Mme-M300015078	ILMN_1228568	0	0
270110	Irf2bp2	0.180	-0.097	0.052	0	0	0	0	0	0	XM_284454	PREDICTED: interferon regulatory factor 2 binding protein 2, transcript variant 1 (Irf2bp2), mRNA.	Mme-M300022123	ILMN_2452255	0	0
238330	Irf2bpl	-0.180	-0.165	0.182	0	0	0	0	0	0	NM_145836	RIKEN cDNA 6430527G18 gene (6430527G18Rik), mRNA.	Mme-M400001658	ILMN_2731379	0	0
54131	Irf3	0.048	-0.125	0.070	0	0	0	0	0	0	NM_016849	interferon regulatory factor 3 (Irf3), mRNA.	Mme-M200001526	ILMN_2664319	0	0
16364	Irf4	0.028	0.081	0.034	0	0	0	0	0	0	NM_013674	interferon regulatory factor 4 (Irf4), mRNA.	Mme-M200001883	ILMN_2623699	0	0
27056	Irf5	0.226	0.585	0.092	0	1	0	0	1	0	NM_012057	interferon regulatory factor 5 (Irf5), mRNA.	Mme-M200002370	ILMN_2621752	1	0
54139	Irf6	0.109	-0.047	-0.103	0	0	0	0	0	0	NM_016851	interferon regulatory factor 6 (Irf6), mRNA.	Mme-M200001627	ILMN_1216279	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
54123	Irf7	0.154	0.737	0.327	0	1	1	0	1	0	NM_016850	interferon regulatory factor 7 (Irf7), mRNA.	Mme-M200001244	ILMN_1227573	1	0
15900	Irf8	0.529	0.632	0.339	0	1	1	0	1	0	NM_008320	interferon regulatory factor 8 (Irf8), mRNA.	Mme-M200001229	ILMN_2673369	1	0
16391	Irf9	0.409	0.436	0.304	0	1	1	0	0	0	NM_008394	interferon regulatory factor 9 (Irf9), mRNA.	Mme-M300000298	ILMN_1233461	0	0
16365	Irg1	0.248	0.797	0.249	0	1	0	0	1	0	NM_008392	immunoresponsive gene 1 (Irg1), mRNA.	Mme-M200001873	ILMN_2433955	1	0
210145	Irgc1	-0.360	0.010	0.008	0	0	0	0	0	0	NM_199013	immunity-related GTPase family, cinema 1 (Irgc1), mRNA.	Mme-M400012593	ILMN_2656211	0	0
15944	Irgm1	0.864	1.061	0.502	1	1	1	0	1	1	NM_008326	immunity-related GTPase family, M (Irgm), mRNA.	Mme-M200006739	ILMN_1234539	2	0
54396	Irgm2	0.572	0.923	0.455	0	1	1	0	1	1	NM_019440	interferon inducible GTPase 2 (Iigp2), mRNA.	Mme-M200007439	ILMN_1259564	2	0
210146	Irgq	-0.139	-0.381	-0.153	0	0	0	0	0	0	NM_153134	immunity-related GTPase family, Q (Irgq), mRNA.	Mme-M300012993	ILMN_1255832	0	0
16367	Irs1	0.064	-0.018	0.003	0	0	0	0	0	0	NM_010570	insulin receptor substrate 1 (Irs1), mRNA.	Mme-M300017771	ILMN_1248206	0	0
384783	Irs2	-0.021	-0.255	-0.077	0	0	0	0	0	0	NM_001081212	insulin receptor substrate 2 (Irs2), mRNA.	Mme-M400002204	ILMN_3144164	0	0
16369	Irs3	-0.121	0.070	-0.116	0	0	0	0	0	0	NM_010571	insulin receptor substrate 3 (Irs3), mRNA.	Mme-M300018037	ILMN_2755312	0	0
16370	Irs4	-0.150	0.078	-0.037	0	0	0	0	0	0	NM_010572	insulin receptor substrate 4 (Irs4), mRNA.	Mme-M400011049	ILMN_1226049	0	0
16371	Irx1	0.140	-0.232	-0.028	0	0	0	0	0	0	NM_010573	Iroquois related homeobox 1 (Drosophila) (Irx1), mRNA.	Mme-M200005676	ILMN_1218204	0	0
16372	Irx2	-0.374	-0.526	-0.056	0	-1	0	0	0	0	NM_010574	Iroquois related homeobox 2 (Drosophila) (Irx2), mRNA.	Mme-M200006213	ILMN_3115213	0	0
16373	Irx3	0.222	-0.298	0.102	0	0	0	0	0	0	NM_008393	Iroquois related homeobox 3 (Drosophila) (Irx3), mRNA.	Mme-M400001401	ILMN_2776909	0	0
50916	Irx4	-0.471	-0.079	0.052	0	0	0	0	0	0	NM_018885	Iroquois related homeobox 4 (Drosophila) (Irx4), mRNA.	Mme-M200008640	ILMN_2739872	0	0
54352	Irx5	0.397	-0.125	0.071	0	0	0	0	0	0	NM_018826	Iroquois related homeobox 5 (Drosophila) (Irx5), mRNA.	Mme-M200008431	ILMN_2650603	0	0
64379	Irx6	-0.381	0.040	-0.011	0	0	0	0	0	0	NM_022428	Iroquois related homeobox 6 (Drosophila) (Irx6), mRNA.	Mme-M300007872	ILMN_2624301	0	0
69046	Isca1	0.232	-0.134	-0.042	0	0	0	0	0	0	NM_026921	iron-sulfur cluster assembly 1 homolog (S. cerevisiae) (Isca1), mRNA.	Mme-M300015785	ILMN_2680329	0	0
74316	Isca2	0.059	-0.049	0.007	0	0	0	0	0	0	XM_203592	PREDICTED: iron-sulfur cluster assembly 2 homolog (S. cerevisiae), transcript variant 1 (Isca2), mRNA.	Mme-M200005182	ILMN_1240205	0	0
66383	Iscu	0.036	-0.137	0.090	0	0	0	0	0	0	NM_025526	IscU iron-sulfur cluster scaffold homolog (E. coli) (Iscu), mRNA.	Mme-M300004802	ILMN_1234425	0	0
57444	Isg20	0.483	0.023	0.065	0	0	0	0	0	0	NM_001113527	interferon-stimulated protein (Isg20), transcript variant 2, mRNA.	Mme-M200003721	ILMN_2735615	0	0
229504	Isg20l2	-0.062	0.075	-0.022	0	0	0	0	0	0	NM_177663	interferon stimulated exonuclease gene 20-like 2 (Isg20l2), mRNA.	Mme-M300018863	ILMN_2996667	0	0
16392	Isl1	-0.046	-0.096	0.019	0	0	0	0	0	0	NM_021459	ISL1 transcription factor, LIM/homeodomain (Isl1), mRNA.	Mme-M200013942	ILMN_2727472	0	0
104360	Isl2	-0.299	-0.177	-0.031	0	0	0	0	0	0	NM_027397	insulin related protein 2 (islet 2) (Isl2), mRNA.	Mme-M200014548	ILMN_1243489	0	0
26968	Islr	0.044	-0.008	-0.003	0	0	0	0	0	0	NM_012043	immunoglobulin superfamily containing leucine-rich repeat (Islr), mRNA.	Mme-M200008066	ILMN_2613000	0	0
320563	Islr2	0.115	0.003	0.008	0	0	0	0	0	0	NM_177193	immunoglobulin superfamily containing leucine-rich repeat 2 (Islr2), mRNA.	Mme-M300021891	ILMN_2944610	0	0
217738	Ism2	-0.259	-0.092	-0.019	0	0	0	0	0	0	XM_138107	PREDICTED: thrombospondin, type I, domain containing 3 (Thsd3), mRNA.	Mme-M300021348	ILMN_2526447	0	0
66307	Isoc1	0.275	0.023	-0.059	0	0	0	0	0	0	NM_025478	isochorismatase domain containing 1 (Isoc1), mRNA.	Mme-M400000763	ILMN_1235434	0	0
67441	Isoc2b	-0.052	-0.126	-0.104	0	0	0	0	0	0	NM_026158	isochorismatase domain containing 2b (Isoc2b), mRNA.	Mme-M200013571	ILMN_2639189	0	0
75847	Ispd	-0.035	0.110	-0.036	0	0	0	0	0	0	NM_178629	RIKEN cDNA 4930579E17 gene (4930579E17Rik), mRNA.	Mme-M300014234	ILMN_2654721	0	0
71955	Ist1	-0.032	0.206	-0.164	0	0	0	0	0	0	NM_028018	RIKEN cDNA 2400003C14 gene (2400003C14Rik), mRNA.	Mme-M200009397	ILMN_2749955	0	0
71597	Isx	-0.270	-0.041	-0.161	0	0	0	0	0	0	NM_027837	intestine specific homeobox (Isx), mRNA.	Mme-M200010430	ILMN_1240449	0	0
57905	Isy1	0.255	0.011	0.067	0	0	0	0	0	0	NM_133934	ISY1 splicing factor homolog (S. cerevisiae) (Isy1), mRNA.	Mme-M200006227	ILMN_2828838	0	0
71780	Isyna1	0.282	-0.247	-0.069	0	0	0	0	0	0	NM_023627	myo-inositol 1-phosphate synthase A1 (Isyna1), mRNA.	Mme-M400000317	ILMN_1228752	0	0
16396	Itch	-0.028	0.147	0.172	0	0	0	0	0	0	NM_008395	itchy, E3 ubiquitin protein ligase (Itch), mRNA.	Mme-M300005715	ILMN_2624286	0	0
71927	Itfg1	-0.120	-0.050	-0.034	0	0	0	0	0	0	NM_028007	integrin alpha FG-GAP repeat containing 1 (Itfg1), mRNA.	Mme-M200003772	ILMN_2732919	0	0
101142	Itfg2	-0.129	0.220	-0.001	0	0	0	0	0	0	NM_133927	integrin alpha FG-GAP repeat containing 2 (Itfg2), mRNA.	Mme-M200007083	ILMN_1252621	0	0
106581	Itfg3	-0.069	-0.036	0.028	0	0	0	0	0	0	NM_207217	integrin alpha FG-GAP repeat containing 3 (Itfg3), mRNA.	Mme-M300003968	ILMN_2748941	0	0
109700	Itga1	0.090	0.064	0.169	0	0	0	0	0	0	NM_001033228	integrin alpha 1 (Itga1), mRNA.	Mme-M400002607	ILMN_2967445	0	0
213119	Itga10	-0.349	-0.345	0.040	0	0	0	0	0	0	NM_001081053	integrin, alpha 10 (Itga10), mRNA.	Mme-M400010309	ILMN_2692244	0	0
319480	Itga11	0.134	-0.217	-0.108	0	0	0	0	0	0	NM_176922	integrin, alpha 11 (Itga11), mRNA.	Mme-M300008147	ILMN_2701778	0	0
16398	Itga2	-0.187	-0.131	0.074	0	0	0	0	0	0	NM_008396	integrin alpha 2 (Itga2), mRNA.	Mme-M200002085	ILMN_2877796	0	0
16399	Itga2b	0.028	0.063	-0.064	0	0	0	0	0	0	NM_010575	integrin alpha 2b (Itga2b), mRNA.	Mme-M200005317	ILMN_2732623	0	0
16400	Itga3	-0.068	-0.094	-0.016	0	0	0	0	0	0	NM_013565	integrin alpha 3 (Itga3), mRNA.	Mme-M200014897	ILMN_2616164	0	0
16401	Itga4	-0.102	-0.062	0.015	0	0	0	0	0	0	NM_010576	integrin alpha 4 (Itga4), mRNA.	Mme-M300005435	ILMN_2635342	0	0
16402	Itga5	0.183	0.264	0.112	0	0	0	0	0	0	NM_010577	integrin alpha 5 (fibronectin receptor alpha) (Itga5), mRNA.	Mme-M200003423	ILMN_2849449	0	0
16403	Itga6	-0.052	-0.146	-0.018	0	0	0	0	0	0	NM_008397	integrin alpha 6 (Itga6), mRNA.	Mme-M300005479	ILMN_1231492	0	0
16404	Itga7	-0.061	0.241	0.120	0	0	0	0	0	0	NM_008398	integrin alpha 7 (Itga7), mRNA.	Mme-M300004591	ILMN_1257880	0	0
241226	Itga8	0.400	-0.093	0.101	0	0	0	0	0	0	NM_001001309	integrin alpha 8 (Itga8), mRNA.	Mme-M300005272	ILMN_1227552	0	0
104099	Itga9	0.109	-0.125	0.056	0	0	0	0	0	0	NM_001113514	integrin alpha 9 (Itga9), transcript variant 2, mRNA.	Mme-M200004617	ILMN_1242427	0	0
381924	Itgad	-0.204	0.110	0.094	0	0	0	0	0	0	NM_001029872	integrin, alpha D (Itgad), mRNA.	Mme-M400007101	ILMN_3092056	0	0
16407	Itgae	-0.313	0.348	0.105	0	0	0	0	0	0	NM_172944	integrin, alpha E, epithelial-associated (Itgae), transcript variant 2, mRNA.	Mme-M400012255	ILMN_2628900	0	0
16408	Itgal	0.035	0.449	0.115	0	1	0	0	0	0	NM_008400	integrin alpha L (Itgal), mRNA.	Mme-M200000651	ILMN_2696629	0	0
16409	Itgam	0.175	0.103	-0.002	0	0	0	0	0	0	NM_008401	integrin alpha M (Itgam), transcript variant 2, mRNA.	Mme-M200002065	ILMN_2696017	0	0
16410	Itgav	-0.513	-0.168	-0.062	0	0	0	0	0	0	NM_008402	integrin alpha V (Itgav), mRNA.	Mme-M400010822	ILMN_1238119	0	0
16411	Itgax	0.004	0.086	-0.027	0	0	0	0	0	0	NM_021334	integrin alpha X (Itgax), mRNA.	Mme-M200004374	ILMN_2727172	0	0
16412	Itgb1	0.204	-0.147	0.238	0	0	0	0	0	0	NM_010578	integrin beta 1 (fibronectin receptor beta) (Itgb1), mRNA.	Mme-M300004778	ILMN_2609304	0	0
16413	Itgb1bp1	-0.101	0.138	-0.099	0	0	0	0	0	0	NM_008403	integrin beta 1 binding protein 1 (Itgb1bp1), mRNA.	Mme-M400007801	ILMN_2924243	0	0
26549	Itgb1bp2	1.145	0.204	-0.026	1	0	0	1	0	0	NM_013712	integrin beta 1 binding protein 2 (Itgb1bp2), mRNA.	Mme-M200014442	ILMN_2853166	1	0
16414	Itgb2	0.138	0.205	0.134	0	0	0	0	0	0	NM_008404	integrin beta 2 (Itgb2), mRNA.	Mme-M200000411	ILMN_1242661	0	0
16415	Itgb2l	0.152	-0.077	0.086	0	0	0	0	0	0	NM_008405	integrin beta 2-like (Itgb2l), mRNA.	Mme-M200003158	ILMN_1258735	0	0
16416	Itgb3	-0.233	-0.027	0.010	0	0	0	0	0	0	NM_016780	integrin beta 3 (Itgb3), mRNA.	Mme-M300002340	ILMN_3002896	0	0
67733	Itgb3bp	-0.551	0.082	-0.050	0	0	0	0	0	0	NM_026348	integrin beta 3 binding protein (beta3-endonexin) (Itgb3bp), mRNA.	Mme-M200015147	ILMN_1213858	0	0
192897	Itgb4	-0.032	-0.239	0.024	0	0	0	0	0	0	NM_133663	integrin beta 4 (Itgb4), transcript variant 2, mRNA.	Mme-M200004059	ILMN_2634689	0	0
16419	Itgb5	0.149	-0.154	0.165	0	0	0	0	0	0	NM_010580	integrin beta 5 (Itgb5), mRNA.	Mme-M200002360	ILMN_2663613	0	0
16420	Itgb6	0.108	-0.080	0.038	0	0	0	0	0	0	NM_021359	integrin beta 6 (Itgb6), mRNA.	Mme-M300005407	ILMN_2805372	0	0
16421	Itgb7	-0.083	0.565	0.203	0	1	0	0	1	0	NM_013566	integrin beta 7 (Itgb7), mRNA.	Mme-M200000020	ILMN_1227434	1	0
320910	Itgb8	-0.360	-0.047	0.087	0	0	0	0	0	0	NM_177290	integrin beta 8 (Itgb8), mRNA.	Mme-M400000819	ILMN_2980316	0	0
223272	Itgbl1	0.375	0.079	0.197	0	0	0	0	0	0	NM_145467	integrin, beta-like 1 (Itgbl1), mRNA.	Mme-M200007326	ILMN_2636424	0	0
16424	Itih1	-0.021	0.069	-0.058	0	0	0	0	0	0	NM_008406	inter-alpha trypsin inhibitor, heavy chain 1 (Itih1), mRNA.	Mme-M200001241	ILMN_2749317	0	0
16425	Itih2	-0.276	-0.278	0.230	0	0	0	0	0	0	NM_010582	inter-alpha trypsin inhibitor, heavy chain 2 (Itih2), mRNA.	Mme-M200012052	ILMN_2673879	0	0
16426	Itih3	-0.266	0.474	-0.155	0	1	0	0	0	0	NM_008407	inter-alpha trypsin inhibitor, heavy chain 3 (Itih3), mRNA.	Mme-M200001789	ILMN_1231336	0	0
16427	Itih4	0.020	-0.133	0.049	0	0	0	0	0	0	NM_018746	inter alpha-trypsin inhibitor, heavy chain 4 (Itih4), mRNA.	Mme-M200007662	ILMN_2797276	0	0
209378	Itih5	0.105	0.078	0.208	0	0	0	0	0	0	NM_172471	inter-alpha (globulin) inhibitor H5 (Itih5), mRNA.	Mme-M400013649	ILMN_2752371	0	0
634882	Itih5l-ps	-0.068	-0.088	-0.014	0	0	0	0	0	0	NR_003597	inter-alpha (globulin) inhibitor H5-like (Itih5l) on chromosome X.	Mme-M400000817	ILMN_2540329	0	0
16428	Itk	-0.062	0.463	0.236	0	1	0	0	0	0	NM_010583	IL2-inducible T-cell kinase (Itk), mRNA.	Mme-M300002163	ILMN_2613422	0	0
16429	Itln1	-0.141	0.036	0.043	0	0	0	0	0	0	NM_010584	intelectin 1 (galactofuranose binding) (Itln1), mRNA.	Mme-M300011420	ILMN_2772117	0	0
16431	Itm2a	0.217	0.032	-0.047	0	0	0	0	0	0	NM_008409	integral membrane protein 2A (Itm2a), mRNA.	Mme-M200000069	ILMN_2607377	0	0
16432	Itm2b	0.254	-0.220	0.125	0	0	0	0	0	0	NM_008410	integral membrane protein 2B (Itm2b), mRNA.	Mme-M300003096	ILMN_2782082	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
16434	Itpa	0.235	-0.046	0.080	0	0	0	0	0	0	NM_025922	inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (Itpa), mRNA.	Mme-M200004119	ILMN_1259292	0	0
217837	Itpk1	0.120	-0.064	-0.004	0	0	0	0	0	0	NM_172584	inositol 1,3,4-triphosphate 5/6 kinase (Itpk1), mRNA.	Mme-M300013325	ILMN_2723920	0	0
228550	Itpka	0.381	0.388	-0.181	0	0	0	0	0	0	NM_146125	inositol 1,4,5-trisphosphate 3-kinase A (Itpka), mRNA.	Mme-M300005569	ILMN_2752431	0	0
320404	Itpkb	-0.400	-0.143	0.090	0	0	0	0	0	0	NM_001081175	inositol 1,4,5-trisphosphate 3-kinase B (Itpkb), mRNA.	Mme-M300011812	ILMN_3146287	0	0
233011	Itpkc	-0.110	-0.142	-0.186	0	0	0	0	0	0	NM_181593	inositol 1,4,5-trisphosphate 3-kinase C (Itpkc), mRNA.	Mme-M300000468	ILMN_2648200	0	0
16438	Itpr1	0.373	0.085	-0.230	0	0	0	0	0	0	NM_010585	inositol 1,4,5-triphosphate receptor 1 (Itpr1), mRNA.	Mme-M400004681	ILMN_1230357	0	0
16439	Itpr2	-0.052	0.078	0.143	0	0	0	0	0	0	NM_010586	inositol 1,4,5-triphosphate receptor 2 (Itpr2), transcript variant 2, mRNA.	Mme-M300007111	ILMN_3155180	0	0
16440	Itpr3	-0.292	0.129	-0.032	0	0	0	0	0	0	NM_080553	inositol 1,4,5-triphosphate receptor 3 (Itpr3), mRNA.	Mme-M400005696	ILMN_1228385	0	0
414801	Itprip	0.030	0.154	0.036	0	0	0	0	0	0	NM_001001738	cDNA sequence BC063749 (BC063749), mRNA.	Mme-M400010685	ILMN_2995794	0	0
73338	Itpripl1	0.000	0.084	0.008	0	0	0	0	0	0	XM_485065	PREDICTED: RIKEN cDNA 1700041B20 gene, transcript variant 1 (1700041B20Rik), mRNA.	Mme-M400013991	ILMN_2737831	0	0
319622	Itpripl2	-0.073	0.289	0.035	0	0	0	0	0	0	NM_001033380	RIKEN cDNA E030018N11 gene (E030018N11Rik), mRNA.	Mme-M400017334	ILMN_1252004	0	0
16443	Itsn1	0.048	0.210	-0.073	0	0	0	0	0	0	NM_010587	intersectin 1 (SH3 domain protein 1A) (Itsn1), transcript variant 1, mRNA.	Mme-M300003604	ILMN_2627268	0	0
20403	Itsn2	0.054	0.002	-0.052	0	0	0	0	0	0	NM_011365	intersectin 2 (Itsn2), mRNA.	Mme-M200008264	ILMN_1228349	0	0
56357	Ivd	0.185	-0.065	-0.153	0	0	0	0	0	0	NM_019826	isovaleryl coenzyme A dehydrogenase (Ivd), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011339	ILMN_2728379	0	0
16447	Ivl	-0.296	-0.071	-0.090	0	0	0	0	0	0	NM_008412	involucrin (Ivl), mRNA.	Mme-M200009900	ILMN_1233243	0	0
117198	Ivns1abp	0.271	0.060	-0.171	0	0	0	0	0	0	NM_001039512	influenza virus NS1A binding protein (Ivns1abp), transcript variant 3, mRNA.	Mme-M200011886	ILMN_2747456	0	0
73473	Iws1	-0.108	0.031	-0.090	0	0	0	0	0	0	NM_173441	IWS1 homolog (S. cerevisiae) (Iws1), mRNA.	Mme-M400008492	ILMN_2674060	0	0
70337	Iyd	-0.102	-0.113	-0.016	0	0	0	0	0	0	NM_027391	iodotyrosine deiodinase (Iyd), mRNA.	Mme-M200004806	ILMN_2772422	0	0
73456	Izumo1	-0.417	-0.103	-0.035	0	0	0	0	0	0	NM_001018013	izumo sperm-egg fusion 1 (Izumo1), mRNA.	Mme-M200007432	ILMN_1245441	0	0
75510	Izumo2	-0.274	0.007	0.023	0	0	0	0	0	0	XM_620490	PREDICTED: RIKEN cDNA 1700023D19 gene, transcript variant 1 (1700023D19Rik), mRNA.	Mme-M400014400	ILMN_2733128	0	0
69314	Izumo3	-0.006	-0.022	-0.044	0	0	0	0	0	0	XM_131510	PREDICTED: RIKEN cDNA 1700011H22 gene (1700011H22Rik), mRNA.	Mme-M200014813	ILMN_1258838	0	0
71564	Izumo4	0.180	-0.063	-0.282	0	0	0	0	0	0	NM_027829	RIKEN cDNA 9030607L17 gene (9030607L17Rik), mRNA.	Mme-M400007022	ILMN_1256705	0	0
269424	Jade1	0.060	0.024	-0.025	0	0	0	0	0	0	NM_172303	PHD finger protein 17 (Phf17), mRNA.	Mme-M300004756	ILMN_2764324	0	0
382207	Jade3	0.108	0.042	-0.096	0	0	0	0	0	0	NM_199317	PHD finger protein 16 (Phf16), mRNA.	Mme-M300010865	ILMN_2657074	0	0
16449	Jag1	-0.401	0.039	0.027	0	0	0	0	0	0	NM_013822	jagged 1 (Jag1), mRNA.	Mme-M300005550	ILMN_1257077	0	0
16450	Jag2	0.163	0.072	0.113	0	0	0	0	0	0	NM_010588	jagged 2 (Jag2), mRNA.	Mme-M200008472	ILMN_2626585	0	0
67767	Jagn1	0.094	-0.029	0.065	0	0	0	0	0	0	NM_026365	jagunal homolog 1 (Drosophila) (Jagn1), mRNA.	Mme-M200000784	ILMN_1221859	0	0
16451	Jak1	-0.013	-0.058	0.205	0	0	0	0	0	0	NM_146145	Janus kinase 1 (Jak1), mRNA.	Mme-M300006143	ILMN_2701093	0	0
16452	Jak2	0.168	0.086	0.242	0	0	0	0	0	0	NM_001048177	Janus kinase 2 (Jak2), transcript variant 2, mRNA.	Mme-M300004326	ILMN_3115162	0	0
16453	Jak3	-0.258	0.308	0.360	0	0	1	0	0	0	NM_010589	Janus kinase 3 (Jak3), mRNA.	Mme-M300007910	ILMN_1219155	0	0
76071	Jakmip1	-0.156	-0.074	-0.145	0	0	0	0	0	0	NM_178394	janus kinase and microtubule interacting protein 1 (Jakmip1), mRNA.	Mme-M200011119	ILMN_2690460	0	0
76217	Jakmip2	0.197	-0.206	0.129	0	0	0	0	0	0	XM_129010	PREDICTED: janus kinase and microtubule interacting protein 2, transcript variant 1 (Jakmip2), mRNA.	Mme-M400004675	ILMN_1256680	0	0
74004	Jakmip3	0.138	0.011	-0.017	0	0	0	0	0	0	XM_355952	PREDICTED: RIKEN cDNA 6330417G02 gene (6330417G02Rik), mRNA.	Mme-M400001332	ILMN_2765846	0	0
67374	Jam2	-0.134	-0.015	-0.031	0	0	0	0	0	0	NM_023844	junction adhesion molecule 2 (Jam2), mRNA.	Mme-M200013734	ILMN_2592881	0	0
83964	Jam3	0.213	-0.036	0.191	0	0	0	0	0	0	NM_023277	junction adhesion molecule 3 (Jam3), mRNA.	Mme-M400001423	ILMN_2633439	0	0
16468	Jarid2	-0.084	-0.050	0.003	0	0	0	0	0	0	NM_021878	jumonji, AT rich interactive domain 2 (Jarid2), mRNA.	Mme-M200005045	ILMN_2597199	0	0
231986	Jazf1	0.267	0.125	-0.269	0	0	0	0	0	0	NM_173406	JAZF zinc finger 1 (Jazf1), mRNA.	Mme-M300020011	ILMN_1220232	0	0
16069	Jchain	-0.097	0.093	0.073	0	0	0	0	0	0	NM_152839	immunoglobulin joining chain (Igj), mRNA.	Mme-M400012178	ILMN_1221256	0	0
81703	Jdp2	0.074	-0.166	0.062	0	0	0	0	0	0	NM_030887	Jun dimerization protein 2 (Jdp2), mRNA.	Mme-M200008541	ILMN_2663585	0	0
104771	Jkamp	-0.066	-0.074	0.165	0	0	0	0	0	0	NM_024205	RIKEN cDNA 1200003C05 gene (1200003C05Rik), mRNA.	Mme-M300000633	ILMN_2734290	0	0
108829	Jmjd1c	-0.121	-0.057	0.017	0	0	0	0	0	0	XM_907708	PREDICTED: jumonji domain containing 1C, transcript variant 3 (Jmjd1c), mRNA.	Mme-M300011185	ILMN_1258815	0	0
194952	Jmjd4	-0.076	0.107	0.082	0	0	0	0	0	0	NM_178659	jumonji domain containing 4 (Jmjd4), mRNA.	Mme-M300010546	ILMN_2577194	0	0
107817	Jmjd6	0.211	-0.062	0.028	0	0	0	0	0	0	NM_033398	jumonji domain containing 6 (Jmjd6), mRNA.	Mme-M200005036	ILMN_1242377	0	0
433466	Jmjd7	-0.081	-0.132	0.005	0	0	0	0	0	0	NM_001114637	hypothetical protein LOC433466 (LOC433466), mRNA.	Mme-M200013610	ILMN_1222402	0	0
72106	Jmjd8	0.337	-0.128	-0.229	0	0	0	0	0	0	NM_028101	RIKEN cDNA 2610003J06 gene (2610003J06Rik), mRNA.	Mme-M200012038	ILMN_2896492	0	0
74158	Josd1	0.084	0.057	-0.054	0	0	0	0	0	0	NM_028792	Josephin domain containing 1 (Josd1), mRNA.	Mme-M200006704	ILMN_1227824	0	0
66124	Josd2	-0.134	0.073	-0.114	0	0	0	0	0	0	NM_025368	Josephin domain containing 2 (Josd2), mRNA.	Mme-M200005607	ILMN_2667614	0	0
57339	Jph1	0.519	0.044	-0.088	0	0	0	0	0	0	NM_020604	junctophilin 1 (Jph1), mRNA.	Mme-M200009462	ILMN_1217728	0	0
59091	Jph2	0.775	-0.061	-0.038	1	0	0	0	0	0	NM_021566	junctophilin 2 (Jph2), mRNA.	Mme-M200009489	ILMN_2628876	0	0
57340	Jph3	-0.188	0.091	-0.204	0	0	0	0	0	0	NM_020605	junctophilin 3 (Jph3), mRNA.	Mme-M300004573	ILMN_2703948	0	0
319984	Jph4	0.033	0.239	0.131	0	0	0	0	0	0	NM_177049	junctophilin 4 (Jph4), transcript variant a, mRNA.	Mme-M300003142	ILMN_1257415	0	0
77532	Jrkl	0.016	0.076	-0.015	0	0	0	0	0	0	XM_910652	PREDICTED: jerky homolog-like (mouse) (Jrkl), mRNA.	Mme-M400014818	ILMN_1255837	0	0
71912	Jsrp1	-0.601	0.327	0.036	0	0	0	0	0	0	NM_028001	junctional sarcoplasmic reticulum protein 1 (Jsrp1), mRNA.	Mme-M200014189	ILMN_2664858	0	0
23922	Jtb	0.270	-0.064	-0.085	0	0	0	0	0	0	NM_206924	jumping translocation breakpoint (Jtb), mRNA.	Mme-M300005846	ILMN_1226138	0	0
16476	Jun	-0.022	0.097	-0.166	0	0	0	0	0	0	NM_010591	Jun oncogene (Jun), mRNA.	Mme-M400004210	ILMN_2646625	0	0
16477	Junb	0.101	0.275	0.161	0	0	0	0	0	0	NM_008416	Jun-B oncogene (Junb), mRNA.	Mme-M400004256	ILMN_1220034	0	0
16478	Jund	0.074	-0.138	-0.167	0	0	0	0	0	0	NM_010592	Jun proto-oncogene related gene d (Jund), mRNA.	Mme-M200000424	ILMN_2682788	0	0
545156	Kalrn	-0.153	0.159	-0.165	0	0	0	0	0	0	XM_001001454	PREDICTED: kalirin, RhoGEF kinase (Kalrn), mRNA.	Mme-M300003532	ILMN_1223181	0	0
107351	Kank1	-0.184	0.076	-0.041	0	0	0	0	0	0	NM_181404	KN motif and ankyrin repeat domains 1 (Kank1), mRNA.	Mme-M400014907	ILMN_1241060	0	0
235041	Kank2	-0.040	-0.054	0.025	0	0	0	0	0	0	NM_145611	KN motif and ankyrin repeat domains 2 (Kank2), mRNA.	Mme-M200008803	ILMN_1240266	0	0
80880	Kank3	0.220	0.064	-0.138	0	0	0	0	0	0	NM_030697	KN motif and ankyrin repeat domains 3 (Kank3), mRNA.	Mme-M200006316	ILMN_2963483	0	0
242553	Kank4	-0.187	-0.053	0.293	0	0	0	0	0	0	NM_172872	KN motif and ankyrin repeat domains 4 (Kank4), mRNA.	Mme-M300009903	ILMN_2655586	0	0
76719	Kansl1	-0.167	-0.065	-0.088	0	0	0	0	0	0	NM_001081045	RIKEN cDNA 1700081L11 gene (1700081L11Rik), mRNA.	Mme-M300012928	ILMN_2758662	0	0
68691	Kansl1l	0.171	-0.041	0.061	0	0	0	0	0	0	NM_177645	RIKEN cDNA 1110028C15 gene (1110028C15Rik), transcript variant 2, mRNA.	Mme-M400008648	ILMN_1255006	0	0
69612	Kansl2	0.162	-0.163	-0.081	0	0	0	0	0	0	NM_133714	RIKEN cDNA 2310037I24 gene (2310037I24Rik), mRNA.	Mme-M300018608	ILMN_1230221	0	0
226976	Kansl3	0.164	0.144	-0.003	0	0	0	0	0	0	NM_172652	RIKEN cDNA 4632411B12 gene (4632411B12Rik), mRNA.	Mme-M300001101	ILMN_2815545	0	0
16483	Kap	-0.310	0.032	0.010	0	0	0	0	0	0	NM_010594	kidney androgen regulated protein (Kap), mRNA.	Mme-M200003226	ILMN_2713664	0	0
85305	Kars	0.470	0.106	-0.127	0	0	0	0	0	0	NM_053092	lysyl-tRNA synthetase (Kars), mRNA.	Mme-M300007993	ILMN_2606848	0	0
14534	Kat2a	0.194	0.189	0.096	0	0	0	0	0	0	NM_001038010	GCN5 general control of amino acid synthesis-like 2 (yeast) (Gcn5l2), transcript variant 2, mRNA.	Mme-M200013454	ILMN_2652749	0	0
18519	Kat2b	0.221	0.086	0.114	0	0	0	0	0	0	NM_020005	p300/CBP-associated factor (Pcaf), mRNA.	Mme-M400000021	ILMN_1231686	0	0
81601	Kat5	0.077	0.059	-0.218	0	0	0	0	0	0	NM_178637	HIV-1 tat interactive protein, homolog (human) (Htatip), mRNA.	Mme-M300004378	ILMN_2839973	0	0
244349	Kat6a	0.249	-0.115	0.080	0	0	0	0	0	0	NM_001081149	MYST histone acetyltransferase (monocytic leukemia) 3 (Myst3), mRNA.	Mme-M400005008	ILMN_2648416	0	0
54169	Kat6b	0.184	-0.163	-0.174	0	0	0	0	0	0	NM_017479	MYST histone acetyltransferase monocytic leukemia 4 (Myst4), mRNA.	Mme-M200007040	ILMN_1224783	0	0
217127	Kat7	-0.094	0.225	-0.097	0	0	0	0	0	0	NM_177619	MYST histone acetyltransferase 2 (Myst2), mRNA.	Mme-M300011840	ILMN_2665161	0	0
67773	Kat8	0.159	0.084	-0.008	0	0	0	0	0	0	NM_026370	MYST histone acetyltransferase 1 (Myst1), mRNA.	Mme-M400001311	ILMN_2892122	0	0
23924	Katna1	0.313	0.314	0.098	0	0	0	0	0	0	NM_011835	katanin p60 (ATPase-containing) subunit A1 (Katna1), mRNA.	Mme-M300001833	ILMN_2998303	0	0
231912	Katnal1	-0.062	-0.080	0.121	0	0	0	0	0	0	NM_153572	katanin p60 subunit A-like 1 (Katnal1), mRNA.	Mme-M300013110	ILMN_2971577	0	0
71206	Katnal2	-0.297	0.066	0.031	0	0	0	0	0	0	NM_027721	katanin p60 subunit A-like 2 (Katnal2), mRNA.	Mme-M200012341	ILMN_1218162	0	0
74187	Katnb1	0.127	0.201	-0.107	0	0	0	0	0	0	NM_028805	katanin p80 (WD40-containing) subunit B 1 (Katnb1), mRNA.	Mme-M200005976	ILMN_2955395	0	0
72425	Katnbl1	0.202	0.085	0.155	0	0	0	0	0	0	NM_024254	RIKEN cDNA 2410042D21 gene (2410042D21Rik), mRNA.	Mme-M200014519	ILMN_1255301	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
107250	Kazald1	-0.284	0.033	-0.253	0	0	0	0	0	0	NM_178929	Kazal-type serine peptidase inhibitor domain 1 (Kazald1), mRNA.	Mme-M300004516	ILMN_2710176	0	0
71529	Kazn	0.103	-0.024	-0.070	0	0	0	0	0	0	NM_001109684	RIKEN cDNA 9030409G11 gene (9030409G11Rik), transcript variant 2, mRNA.	Mme-M300012757	ILMN_1257868	0	0
74901	Kbtbd11	-0.077	0.036	-0.030	0	0	0	0	0	0	XM_921147	PREDICTED: kelch repeat and BTB (POZ) domain containing 11, transcript variant 3 (Kbtbd11), mRNA.	Mme-M400005258	ILMN_1249105	0	0
74589	Kbtbd12	-0.525	-0.062	-0.009	0	0	0	0	0	0	NM_029013	kelch domain containing 6 (Klhdc6), mRNA.	Mme-M200012587	ILMN_1240324	0	0
74492	Kbtbd13	0.135	-0.379	-0.064	0	0	0	0	0	0	NM_028974	RIKEN cDNA 5430433E21 gene (5430433E21Rik), mRNA.	Mme-M400005003	ILMN_1253136	0	0
210973	Kbtbd2	0.094	-0.135	-0.113	0	0	0	0	0	0	NM_145958	kelch repeat and BTB (POZ) domain containing 2 (Kbtbd2), mRNA.	Mme-M200015000	ILMN_2654442	0	0
69149	Kbtbd3	0.035	0.029	0.166	0	0	0	0	0	0	NM_026962	kelch repeat and BTB (POZ) domain containing 3 (Kbtbd3), mRNA.	Mme-M300004834	ILMN_1214947	0	0
67136	Kbtbd4	0.309	0.122	-0.163	0	0	0	0	0	0	NM_025991	kelch repeat and BTB (POZ) domain containing 4 (Kbtbd4), mRNA.	Mme-M200006456	ILMN_2806291	0	0
211255	Kbtbd7	0.295	0.065	-0.107	0	0	0	0	0	0	NM_001024135	kelch repeat and BTB (POZ) domain containing 7 (Kbtbd7), mRNA.	Mme-M400014253	ILMN_3077630	0	0
243574	Kbtbd8	-0.163	0.028	0.145	0	0	0	0	0	0	NM_001102670	kelch repeat and BTB (POZ) domain containing 8 (Kbtbd8), transcript variant 2, mRNA.	Mme-M300006972	ILMN_3009919	0	0
74287	Kcmf1	-0.011	-0.165	0.027	0	0	0	0	0	0	NM_019715	potassium channel modulatory factor 1 (Kcmf1), mRNA.	Mme-M400005101	ILMN_2611155	0	0
16485	Kcna1	-0.122	-0.303	0.313	0	0	1	0	0	0	NM_010595	potassium voltage-gated channel, shaker-related subfamily, member 1 (Kcna1), mRNA.	Mme-M400015908	ILMN_1237059	0	0
16490	Kcna2	-0.263	-0.013	-0.086	0	0	0	0	0	0	NM_008417	potassium voltage-gated channel, shaker-related subfamily, member 2 (Kcna2), mRNA.	Mme-M200014859	ILMN_2727857	0	0
16491	Kcna3	0.302	-0.031	-0.108	0	0	0	0	0	0	NM_008418	potassium voltage-gated channel, shaker-related subfamily, member 3 (Kcna3), mRNA.	Mme-M200008304	ILMN_2636525	0	0
16492	Kcna4	0.155	0.067	0.018	0	0	0	0	0	0	NM_021275	potassium voltage-gated channel, shaker-related subfamily, member 4 (Kcna4), mRNA.	Mme-M200009410	ILMN_2706896	0	0
16493	Kcna5	0.022	0.082	-0.157	0	0	0	0	0	0	NM_145983	potassium voltage-gated channel, shaker-related subfamily, member 5 (Kcna5), mRNA.	Mme-M400003049	ILMN_1259851	0	0
16494	Kcna6	-0.061	0.157	-0.061	0	0	0	0	0	0	NM_013568	potassium voltage-gated channel, shaker-related, subfamily, member 6 (Kcna6), mRNA.	Mme-M300011328	ILMN_3162587	0	0
16495	Kcna7	-0.415	0.134	-0.017	0	0	0	0	0	0	NM_010596	potassium voltage-gated channel, shaker-related subfamily, member 7 (Kcna7), mRNA.	Mme-M300011415	ILMN_2619156	0	0
16497	Kcnab1	-0.193	0.263	0.070	0	0	0	0	0	0	NM_010597	potassium voltage-gated channel, shaker-related subfamily, beta member 1 (Kcnab1), mRNA.	Mme-M300005802	ILMN_2915671	0	0
16498	Kcnab2	-0.075	-0.077	-0.089	0	0	0	0	0	0	NM_010598	potassium voltage-gated channel, shaker-related subfamily, beta member 2 (Kcnab2), mRNA.	Mme-M200003377	ILMN_2724785	0	0
16499	Kcnab3	0.527	0.142	-0.026	0	0	0	0	0	0	NM_010599	potassium voltage-gated channel, shaker-related subfamily, beta member 3 (Kcnab3), mRNA.	Mme-M200008187	ILMN_2655386	0	0
16500	Kcnb1	0.109	-0.168	0.025	0	0	0	0	0	0	NM_008420	potassium voltage gated channel, Shab-related subfamily, member 1 (Kcnb1), mRNA.	Mme-M200014775	ILMN_2674184	0	0
98741	Kcnb2	-0.197	0.061	-0.147	0	0	0	0	0	0	NM_001098528	potassium voltage gated channel, Shab-related subfamily, member 2 (Kcnb2), mRNA.	Mme-M300008412	ILMN_2523970	0	0
16502	Kcnc1	-0.159	0.059	-0.140	0	0	0	0	0	0	NM_008421	potassium voltage gated channel, Shaw-related subfamily, member 1 (Kcnc1), transcript variant B, mRNA.	Mme-M300018085	ILMN_2717814	0	0
268345	Kcnc2	-0.229	0.116	0.069	0	0	0	0	0	0	NM_001025581	potassium voltage gated channel, Shaw-related subfamily, member 2 (Kcnc2), mRNA.	Mme-M300010042	ILMN_1221793	0	0
16504	Kcnc3	-0.318	-0.108	-0.101	0	0	0	0	0	0	NM_008422	potassium voltage gated channel, Shaw-related subfamily, member 3 (Kcnc3), mRNA.	Mme-M200008166	ILMN_2681742	0	0
99738	Kcnc4	0.072	0.213	-0.131	0	0	0	0	0	0	NM_145922	potassium voltage gated channel, Shaw-related subfamily, member 4 (Kcnc4), mRNA.	Mme-M300005833	ILMN_1242025	0	0
16506	Kcnd1	-0.368	0.141	-0.102	0	0	0	0	0	0	NM_008423	potassium voltage-gated channel, Shal-related family, member 1 (Kcnd1), mRNA.	Mme-M300001068	ILMN_2726857	0	0
16508	Kcnd2	0.053	0.469	-0.100	0	1	0	0	0	0	NM_019697	potassium voltage-gated channel, Shal-related family, member 2 (Kcnd2), mRNA.	Mme-M400007299	ILMN_2625435	0	0
56543	Kcnd3	0.025	-0.093	-0.019	0	0	0	0	0	0	NM_019931	potassium voltage-gated channel, Shal-related family, member 3 (Kcnd3), transcript variant 2, mRNA.	Mme-M400002452	ILMN_2754136	0	0
16509	Kcne1	-0.226	-0.036	-0.172	0	0	0	0	0	0	NM_008424	potassium voltage-gated channel, Isk-related subfamily, member 1 (Kcne1), mRNA.	Mme-M200002058	ILMN_2757772	0	0
66240	Kcne1l	0.125	0.049	0.050	0	0	0	0	0	0	NM_021487	potassium voltage-gated channel, Isk-related family, member 1-like (Kcne1l), mRNA.	Mme-M400011396	ILMN_2765662	0	0
246133	Kcne2	-0.052	-0.038	-0.274	0	0	0	0	0	0	NM_134110	potassium voltage-gated channel, Isk-related subfamily, gene 2 (Kcne2), mRNA.	Mme-M200009869	ILMN_2794237	0	0
57442	Kcne3	-0.201	-0.007	0.075	0	0	0	0	0	0	NM_020574	potassium voltage-gated channel, Isk-related subfamily, gene 3 (Kcne3), mRNA.	Mme-M200003672	ILMN_1230320	0	0
57814	Kcne4	-0.065	-0.040	-0.006	0	0	0	0	0	0	NM_021342	potassium voltage-gated channel, Isk-related subfamily, gene 4 (Kcne4), mRNA.	Mme-M200004878	ILMN_1256894	0	0
382571	Kcnf1	0.087	0.060	-0.011	0	0	0	0	0	0	NM_201531	potassium voltage-gated channel, subfamily F, member 1 (Kcnf1), mRNA.	Mme-M300022334	ILMN_2657243	0	0
241794	Kcng1	0.247	0.013	0.030	0	0	0	0	0	0	NM_001081134	potassium voltage-gated channel, subfamily G, member 1 (Kcng1), mRNA.	Mme-M400003126	ILMN_2990269	0	0
240444	Kcng2	-0.082	-0.171	-0.052	0	0	0	0	0	0	XM_140499	PREDICTED: potassium voltage-gated channel, subfamily G, member 2 (Kcng2), mRNA.	Mme-M400006985	ILMN_1216698	0	0
225030	Kcng3	-0.313	0.022	0.031	0	0	0	0	0	0	NM_153512	potassium voltage-gated channel, subfamily G, member 3 (Kcng3), mRNA.	Mme-M300016030	ILMN_1237974	0	0
66733	Kcng4	-0.036	0.200	-0.090	0	0	0	0	0	0	NM_025734	potassium voltage-gated channel, subfamily G, member 4 (Kcng4), mRNA.	Mme-M200014117	ILMN_1231061	0	0
16510	Kcnh1	-0.077	-0.233	0.312	0	0	1	0	0	0	NM_001038607	potassium voltage-gated channel, subfamily H (eag-related), member 1 (Kcnh1), transcript variant 2, mRNA.	Mme-M400006258	ILMN_2668260	0	0
16511	Kcnh2	-0.183	0.238	-0.062	0	0	0	0	0	0	NM_013569	potassium voltage-gated channel, subfamily H (eag-related), member 2 (Kcnh2), mRNA.	Mme-M300011486	ILMN_3048027	0	0
16512	Kcnh3	0.478	0.413	0.002	0	0	0	0	0	0	NM_010601	potassium voltage-gated channel, subfamily H (eag-related), member 3 (Kcnh3), mRNA.	Mme-M300011007	ILMN_2726397	0	0
380728	Kcnh4	-0.338	0.015	0.061	0	0	0	0	0	0	NM_001081194	potassium voltage-gated channel, subfamily H (eag-related), member 4 (Kcnh4), mRNA.	Mme-M400001797	ILMN_3156554	0	0
238271	Kcnh5	0.021	0.009	-0.164	0	0	0	0	0	0	NM_172805	potassium voltage-gated channel, subfamily H (eag-related), member 5 (Kcnh5), mRNA.	Mme-M300009332	ILMN_1219743	0	0
170738	Kcnh7	-0.053	-0.111	-0.052	0	0	0	0	0	0	NM_133207	potassium voltage-gated channel, subfamily H (eag-related), member 7 (Kcnh7), mRNA.	Mme-M300005373	ILMN_1241732	0	0
211468	Kcnh8	-0.178	0.072	0.021	0	0	0	0	0	0	NM_001031811	potassium voltage-gated channel, subfamily H (eag-related), member 8 (Kcnh8), mRNA.	Mme-M300009998	ILMN_1216399	0	0
70357	Kcnip1	-0.234	0.067	-0.058	0	0	0	0	0	0	NM_027398	Kv channel-interacting protein 1 (Kcnip1), mRNA.	Mme-M400004496	ILMN_1219628	0	0
80906	Kcnip2	0.000	0.228	-0.076	0	0	0	0	0	0	NM_145704	Kv channel-interacting protein 2 (Kcnip2), transcript variant c, mRNA.	Mme-M300004519	ILMN_3124037	0	0
56461	Kcnip3	-0.188	0.089	-0.090	0	0	0	0	0	0	NM_019789	Kv channel interacting protein 3, calsenilin (Kcnip3), transcript variant 1, mRNA.	Mme-M400001003	ILMN_2911729	0	0
80334	Kcnip4	-0.198	0.039	-0.053	0	0	0	0	0	0	NM_030265	Kv channel interacting protein 4 (Kcnip4), mRNA.	Mme-M300006482	ILMN_1214447	0	0
56379	Kcnj1	-0.400	0.065	0.039	0	0	0	0	0	0	NM_019659	potassium inwardly-rectifying channel, subfamily J, member 1 (Kcnj1), mRNA.	Mme-M200009703	ILMN_1257879	0	0
16513	Kcnj10	0.057	0.152	-0.045	0	0	0	0	0	0	NM_001039484	potassium inwardly-rectifying channel, subfamily J, member 10 (Kcnj10), mRNA.	Mme-M200008597	ILMN_2719397	0	0
16514	Kcnj11	-0.189	-0.049	0.024	0	0	0	0	0	0	NM_010602	potassium inwardly rectifying channel, subfamily J, member 11 (Kcnj11), mRNA.	Mme-M400006449	ILMN_2770367	0	0
16515	Kcnj12	0.033	-0.336	0.043	0	0	0	0	0	0	NM_010603	potassium inwardly-rectifying channel, subfamily J, member 12 (Kcnj12), mRNA.	Mme-M200002066	ILMN_2695900	0	0
211480	Kcnj14	-0.122	0.065	-0.049	0	0	0	0	0	0	NM_145963	potassium inwardly-rectifying channel, subfamily J, member 14 (Kcnj14), mRNA.	Mme-M200015241	ILMN_2680891	0	0
16516	Kcnj15	-0.180	-0.057	0.100	0	0	0	0	0	0	NM_001039056	potassium inwardly-rectifying channel, subfamily J, member 15 (Kcnj15), transcript variant 3, mRNA.	Mme-M300012830	ILMN_2725844	0	0
16517	Kcnj16	0.043	0.055	0.053	0	0	0	0	0	0	NM_010604	potassium inwardly-rectifying channel, subfamily J, member 16 (Kcnj16), mRNA.	Mme-M300022124	ILMN_2613284	0	0
16518	Kcnj2	0.367	-0.212	0.000	0	0	0	0	0	0	NM_008425	potassium inwardly-rectifying channel, subfamily J, member 2 (Kcnj2), mRNA.	Mme-M200002054	ILMN_2875048	0	0
16519	Kcnj3	0.122	0.083	-0.001	0	0	0	0	0	0	NM_008426	potassium inwardly-rectifying channel, subfamily J, member 3 (Kcnj3), mRNA.	Mme-M200002165	ILMN_2714252	0	0
16520	Kcnj4	-0.105	0.112	-0.031	0	0	0	0	0	0	NM_008427	potassium inwardly-rectifying channel, subfamily J, member 4 (Kcnj4), mRNA.	Mme-M400010824	ILMN_3005071	0	0
16521	Kcnj5	-0.058	-0.050	-0.044	0	0	0	0	0	0	NM_010605	potassium inwardly-rectifying channel, subfamily J, member 5 (Kcnj5), mRNA.	Mme-M200014856	ILMN_2570036	0	0
16522	Kcnj6	0.503	0.052	-0.046	0	0	0	0	0	0	NM_010606	potassium inwardly-rectifying channel, subfamily J, member 6 (Kcnj6), transcript variant Girk2A-1, mRNA.	Mme-M400002737	ILMN_2720186	0	0
16523	Kcnj8	0.134	0.009	0.103	0	0	0	0	0	0	NM_008428	potassium inwardly-rectifying channel, subfamily J, member 8 (Kcnj8), mRNA.	Mme-M200000605	ILMN_1253409	0	0
16524	Kcnj9	0.121	0.116	-0.100	0	0	0	0	0	0	NM_008429	potassium inwardly-rectifying channel, subfamily J, member 9 (Kcnj9), mRNA.	Mme-M300011297	ILMN_1242415	0	0
16525	Kcnk1	0.048	-0.278	-0.051	0	0	0	0	0	0	NM_008430	potassium channel, subfamily K, member 1 (Kcnk1), mRNA.	Mme-M200003000	ILMN_3009501	0	0
72258	Kcnk10	-0.310	-0.064	0.028	0	0	0	0	0	0	NM_029911	potassium channel, subfamily K, member 10 (Kcnk10), mRNA.	Mme-M300018556	ILMN_1245193	0	0
210741	Kcnk12	0.219	-0.072	0.032	0	0	0	0	0	0	NM_199251	potassium channel, subfamily K, member 12 (Kcnk12), mRNA.	Mme-M300020849	ILMN_2613273	0	0
217826	Kcnk13	0.092	-0.045	0.221	0	0	0	0	0	0	NM_146037	potassium channel, subfamily K, member 13 (Kcnk13), mRNA.	Mme-M400003024	ILMN_2593787	0	0
241769	Kcnk15	-0.152	0.074	-0.074	0	0	0	0	0	0	NM_001030292	potassium channel, subfamily K, member 15 (Kcnk15), mRNA.	Mme-M400001774	ILMN_1230948	0	0
74571	Kcnk16	-0.068	-0.011	0.018	0	0	0	0	0	0	XM_138942	PREDICTED: potassium channel, subfamily K, member 16 (Kcnk16), mRNA.	Mme-M300003726	ILMN_2524134	0	0
332396	Kcnk18	-0.125	-0.028	-0.210	0	0	0	0	0	0	NM_207261	potassium channel, subfamily K, member 18 (Kcnk18), mRNA.	Mme-M300012934	ILMN_1227750	0	0
16526	Kcnk2	0.068	-0.293	0.075	0	0	0	0	0	0	NM_010607	potassium channel, subfamily K, member 2 (Kcnk2), mRNA.	Mme-M400002034	ILMN_1226055	0	0
16527	Kcnk3	-0.118	0.053	-0.022	0	0	0	0	0	0	NM_010608	potassium channel, subfamily K, member 3 (Kcnk3), mRNA.	Mme-M200002854	ILMN_2669487	0	0
16528	Kcnk4	-0.096	-0.096	0.038	0	0	0	0	0	0	NM_008431	potassium channel, subfamily K, member 4 (Kcnk4), mRNA.	Mme-M200003174	ILMN_1226370	0	0
16529	Kcnk5	-0.202	-0.315	0.100	0	0	0	0	0	0	NM_021542	potassium channel, subfamily K, member 5 (Kcnk5), mRNA.	Mme-M200015255	ILMN_1249949	0	0
52150	Kcnk6	0.301	0.153	-0.066	0	0	0	0	0	0	NM_001033525	potassium inwardly-rectifying channel, subfamily K, member 6 (Kcnk6), mRNA.	Mme-M300017316	ILMN_3125634	0	0
16530	Kcnk7	-0.600	0.099	0.020	0	0	0	0	0	0	NM_010609	potassium channel, subfamily K, member 7 (Kcnk7), transcript variant 1, mRNA.	Mme-M200004555	ILMN_1225334	0	0
223604	Kcnk9	0.038	0.064	-0.042	0	0	0	0	0	0	NM_001033876	potassium channel, subfamily K, member 9 (Kcnk9), mRNA.	Mme-M400001925	ILMN_1224831	0	0
16531	Kcnma1	0.506	-0.139	0.086	0	0	0	0	0	0	NM_010610	potassium large conductance calcium-activated channel, subfamily M, alpha member 1 (Kcnma1), mRNA.	Mme-M300002946	ILMN_1256814	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
16533	Kcnmb1	-0.147	0.080	-0.049	0	0	0	0	0	0	NM_031169	potassium large conductance calcium-activated channel, subfamily M, beta member 1 (Kcnmb1), mRNA.	Mme-M200002307	ILMN_1214965	0	0
72413	Kcnmb2	0.134	-0.106	0.033	0	0	0	0	0	0	NM_028231	potassium large conductance calcium-activated channel, subfamily M, beta member 2 (Kcnmb2), mRNA.	Mme-M300011026	ILMN_1259717	0	0
58802	Kcnmb4	0.008	-0.193	-0.110	0	0	0	0	0	0	NM_021452	potassium large conductance calcium-activated channel, subfamily M, beta member 4 (Kcnmb4), mRNA.	Mme-M400004985	ILMN_2639207	0	0
67342	Kcnmb4os1	0.124	0.009	0.024	0	0	0	0	0	0	XM_001480418	PREDICTED: RIKEN cDNA 1700058G18 gene (1700058G18Rik), mRNA.	Mme-M200008751	ILMN_2443944	0	0
84036	Kcnn1	0.105	-0.093	-0.006	0	0	0	0	0	0	NM_032397	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1 (Kcnn1), mRNA.	Mme-M200007182	ILMN_2664556	0	0
140492	Kcnn2	0.140	-0.091	-0.103	0	0	0	0	0	0	NM_080465	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2 (Kcnn2), mRNA.	Mme-M400004824	ILMN_2595430	0	0
140493	Kcnn3	0.217	0.062	-0.057	0	0	0	0	0	0	NM_080466	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3 (Kcnn3), mRNA.	Mme-M400012806	ILMN_2743254	0	0
16534	Kcnn4	0.133	-0.013	-0.046	0	0	0	0	0	0	NM_008433	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 (Kcnn4), mRNA.	Mme-M200002834	ILMN_2765032	0	0
16535	Kcnq1	-0.370	0.039	-0.152	0	0	0	0	0	0	NM_008434	potassium voltage-gated channel, subfamily Q, member 1 (Kcnq1), mRNA.	Mme-M200002196	ILMN_2777879	0	0
63830	Kcnq1ot1	0.279	-0.171	-0.167	0	0	0	0	0	0	NR_001461	KCNQ1 overlapping transcript 1 (Kcnq1ot1) on chromosome 7.	Mme-M400012676	ILMN_2574839	0	0
16536	Kcnq2	-0.485	-0.148	0.021	0	0	0	0	0	0	NM_001006677	potassium voltage-gated channel, subfamily Q, member 2 (Kcnq2), transcript variant 9, mRNA.	Mme-M400000254	ILMN_3045269	0	0
110862	Kcnq3	-0.361	0.026	-0.006	0	0	0	0	0	0	NM_152923	potassium voltage-gated channel, subfamily Q, member 3 (Kcnq3), mRNA.	Mme-M300010675	ILMN_2622771	0	0
60613	Kcnq4	-0.339	0.107	-0.074	0	0	0	0	0	0	NM_001081142	potassium voltage-gated channel, subfamily Q, member 4 (Kcnq4), mRNA.	Mme-M400010339	ILMN_3105727	0	0
226922	Kcnq5	-0.005	0.081	-0.091	0	0	0	0	0	0	NM_023872	potassium voltage-gated channel, subfamily Q, member 5 (Kcnq5), mRNA.	Mme-M300005910	ILMN_2798606	0	0
328424	Kcnrg	-0.175	-0.091	0.090	0	0	0	0	0	0	NM_001039105	potassium channel regulator (Kcnrg), transcript variant 1, mRNA.	Mme-M300017091	ILMN_3163138	0	0
16538	Kcns1	-0.136	-0.081	-0.010	0	0	0	0	0	0	NM_008435	K+ voltage-gated channel, subfamily S, 1 (Kcns1), mRNA.	Mme-M200002315	ILMN_2715619	0	0
16539	Kcns2	-0.001	0.133	0.072	0	0	0	0	0	0	NM_181317	K+ voltage-gated channel, subfamily S, 2 (Kcns2), mRNA.	Mme-M200002316	ILMN_2757688	0	0
238076	Kcns3	-0.050	-0.004	0.024	0	0	0	0	0	0	NM_173417	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3 (Kcns3), mRNA.	Mme-M300014738	ILMN_2646018	0	0
227632	Kcnt1	0.022	-0.143	-0.029	0	0	0	0	0	0	NM_175462	potassium channel, subfamily T, member 1 (Kcnt1), mRNA.	Mme-M300010355	ILMN_2479273	0	0
240776	Kcnt2	0.258	-0.066	0.037	0	0	0	0	0	0	NM_001081027	potassium channel, subfamily T, member 2 (Kcnt2), mRNA.	Mme-M400001610	ILMN_1246486	0	0
16532	Kcnu1	-0.078	-0.073	-0.073	0	0	0	0	0	0	NM_008432	potassium channel, subfamily U, member 1 (Kcnu1), mRNA.	Mme-M200014905	ILMN_2946288	0	0
67498	Kcnv1	0.205	-0.043	-0.025	0	0	0	0	0	0	NM_026200	potassium channel, subfamily V, member 1 (Kcnv1), mRNA.	Mme-M200015424	ILMN_2796420	0	0
240595	Kcnv2	0.017	0.073	-0.036	0	0	0	0	0	0	NM_183179	potassium channel, subfamily V, member 2 (Kcnv2), mRNA.	Mme-M300018146	ILMN_1253791	0	0
333088	Kcp	0.004	-0.236	-0.038	0	0	0	0	0	0	NM_001029985	cysteine rich BMP regulator 2 (chordin like) (Crim2), mRNA.	Mme-M400010413	ILMN_2907964	0	0
106931	Kctd1	-0.131	-0.188	0.086	0	0	0	0	0	0	NM_134112	potassium channel tetramerisation domain containing 1 (Kctd1), mRNA.	Mme-M200007994	ILMN_2755483	0	0
330171	Kctd10	0.099	-0.058	-0.078	0	0	0	0	0	0	NM_026145	potassium channel tetramerisation domain containing 10 (Kctd10), mRNA.	Mme-M200009218	ILMN_2596117	0	0
239217	Kctd12	0.072	-0.079	0.153	0	0	0	0	0	0	NM_177715	potassium channel tetramerisation domain containing 12 (Kctd12), mRNA.	Mme-M400012429	ILMN_2736783	0	0
207474	Kctd12b	-0.245	0.091	-0.127	0	0	0	0	0	0	NM_175429	potassium channel tetramerisation domain containing 12b (Kctd12b), mRNA.	Mme-M300013275	ILMN_2705004	0	0
233529	Kctd14	-0.306	-0.126	-0.072	0	0	0	0	0	0	NM_001010826	potassium channel tetramerisation domain containing 14 (Kctd14), mRNA.	Mme-M400003868	ILMN_3095279	0	0
233107	Kctd15	-0.358	-0.063	-0.119	0	0	0	0	0	0	NM_146188	potassium channel tetramerisation domain containing 15 (Kctd15), mRNA.	Mme-M300007271	ILMN_2655869	0	0
383348	Kctd16	-0.095	0.052	-0.041	0	0	0	0	0	0	XM_909931	PREDICTED: potassium channel tetramerisation domain containing 16, transcript variant 1 (Kctd16), mRNA.	Mme-M400003817	ILMN_1218838	0	0
72844	Kctd17	0.077	0.119	-0.047	0	0	0	0	0	0	NM_001081367	potassium channel tetramerisation domain containing 17 (Kctd17), mRNA.	Mme-M400013860	ILMN_2616989	0	0
51960	Kctd18	0.158	-0.143	0.016	0	0	0	0	0	0	NM_030211	potassium channel tetramerisation domain containing 18 (Kctd18), mRNA.	Mme-M400004936	ILMN_1258642	0	0
279499	Kctd19	-0.208	0.002	-0.038	0	0	0	0	0	0	NM_177791	potassium channel tetramerisation domain containing 19 (Kctd19), mRNA.	Mme-M300022264	ILMN_2639552	0	0
70382	Kctd2	-0.113	-0.082	0.102	0	0	0	0	0	0	NM_183285	potassium channel tetramerisation domain containing 2 (Kctd2), mRNA.	Mme-M200006372	ILMN_1226528	0	0
622320	Kctd21	-0.110	0.048	0.021	0	0	0	0	0	0	NM_001039039	potassium channel tetramerisation domain containing 21 (Kctd21), mRNA.	Mme-M400002969	ILMN_2871359	0	0
226823	Kctd3	0.045	-0.183	0.057	0	0	0	0	0	0	NM_172650	potassium channel tetramerisation domain containing 3 (Kctd3), mRNA.	Mme-M300005198	ILMN_1224318	0	0
67516	Kctd4	0.183	0.039	-0.029	0	0	0	0	0	0	NM_026214	potassium channel tetramerisation domain containing 4 (Kctd4), mRNA.	Mme-M200015703	ILMN_2548302	0	0
69259	Kctd5	0.000	0.099	-0.134	0	0	0	0	0	0	NM_027008	potassium channel tetramerisation domain containing 5 (Kctd5), mRNA.	Mme-M200005866	ILMN_2831579	0	0
71393	Kctd6	0.049	-0.287	0.058	0	0	0	0	0	0	NM_027782	potassium channel tetramerisation domain containing 6 (Kctd6), mRNA.	Mme-M200003539	ILMN_2974117	0	0
212919	Kctd7	-0.156	-0.099	0.101	0	0	0	0	0	0	NM_172509	potassium channel tetramerisation domain containing 7 (Kctd7), mRNA.	Mme-M300009146	ILMN_2693509	0	0
243043	Kctd8	-0.168	-0.024	0.106	0	0	0	0	0	0	NM_175519	potassium channel tetramerisation domain containing 8 (Kctd8), mRNA.	Mme-M300021783	ILMN_1224865	0	0
105440	Kctd9	0.044	0.026	0.105	0	0	0	0	0	0	NM_134073	potassium channel tetramerisation domain containing 9 (Kctd9), transcript variant 2, mRNA.	Mme-M300009288	ILMN_1251465	0	0
72050	Kdelc1	-0.123	0.113	0.138	0	0	0	0	0	0	NM_023645	KDEL (Lys-Asp-Glu-Leu) containing 1 (Kdelc1), mRNA.	Mme-M200002697	ILMN_2601147	0	0
68304	Kdelc2	0.202	0.037	-0.092	0	0	0	0	0	0	NM_212445	KDEL (Lys-Asp-Glu-Leu) containing 2 (Kdelc2), mRNA.	Mme-M200007966	ILMN_2744074	0	0
68137	Kdelr1	0.209	-0.069	0.022	0	0	0	0	0	0	NM_133950	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1 (Kdelr1), mRNA.	Mme-M200005043	ILMN_2776458	0	0
105785	Kdelr3	0.306	-0.045	-0.087	0	0	0	0	0	0	NM_134090	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3 (Kdelr3), mRNA.	Mme-M400000179	ILMN_2675697	0	0
99982	Kdm1a	0.235	-0.035	-0.049	0	0	0	0	0	0	NM_133872	amine oxidase (flavin containing) domain 2 (Aof2), mRNA.	Mme-M300010651	ILMN_1254253	0	0
218214	Kdm1b	-0.196	-0.272	-0.073	0	0	0	0	0	0	NM_172262	amine oxidase, flavin containing 1 (Aof1), mRNA.	Mme-M300011330	ILMN_2632778	0	0
225876	Kdm2a	0.132	0.096	-0.015	0	0	0	0	0	0	NM_001001984	F-box and leucine-rich repeat protein 11 (Fbxl11), mRNA.	Mme-M300013335	ILMN_2720506	0	0
277250	Kdm3b	-0.041	-0.162	-0.009	0	0	0	0	0	0	NM_001081256	jumonji domain containing 1B (Jmjd1b), mRNA.	Mme-M300009228	ILMN_1244674	0	0
230674	Kdm4a	-0.103	0.141	0.186	0	0	0	0	0	0	NM_172382	jumonji domain containing 2A (Jmjd2a), mRNA.	Mme-M300008713	ILMN_1258791	0	0
193796	Kdm4b	-0.226	0.078	-0.054	0	0	0	0	0	0	NM_172132	jumonji domain containing 2B (Jmjd2b), mRNA.	Mme-M200014158	ILMN_1246667	0	0
76804	Kdm4c	-0.123	-0.013	-0.020	0	0	0	0	0	0	NM_144787	jumonji domain containing 2C (Jmjd2c), mRNA.	Mme-M200013192	ILMN_2686994	0	0
244694	Kdm4d	0.091	-0.024	0.162	0	0	0	0	0	0	NM_173433	jumonji domain containing 2D (Jmjd2d), mRNA.	Mme-M300018743	ILMN_2589677	0	0
214899	Kdm5a	0.445	-0.098	0.076	0	0	0	0	0	0	XM_979596	PREDICTED: jumonji, AT rich interactive domain 1A (Rbp2 like) (Jarid1a), mRNA.	Mme-M400018286	ILMN_2457284	0	0
75605	Kdm5b	0.112	0.194	0.043	0	0	0	0	0	0	NM_152895	jumonji, AT rich interactive domain 1B (Rbp2 like) (Jarid1b), mRNA.	Mme-M200006266	ILMN_2777722	0	0
20591	Kdm5c	0.248	-0.049	-0.124	0	0	0	0	0	0	NM_013668	jumonji, AT rich interactive domain 1C (Rbp2 like) (Jarid1c), mRNA.	Mme-M200009405	ILMN_2666640	0	0
20592	Kdm5d	-0.461	0.023	-0.014	0	0	0	0	0	0	NM_011419	jumonji, AT rich interactive domain 1D (Rbp2 like) (Jarid1d), mRNA.	Mme-M400005588	ILMN_1224210	0	0
22289	Kdm6a	0.130	0.239	-0.166	0	0	0	0	0	0	NM_009483	ubiquitously transcribed tetratricopeptide repeat gene, X chromosome (Utx), mRNA.	Mme-M200006150	ILMN_2447456	0	0
216850	Kdm6b	-0.089	-0.247	-0.198	0	0	0	0	0	0	NM_001017426	jumonji domain containing 3 (Jmjd3), mRNA.	Mme-M300001683	ILMN_3095624	0	0
338523	Kdm7a	-0.333	0.131	0.077	0	0	0	0	0	0	NM_001033430	jumonji C domain-containing histone demethylase 1 homolog D (S. cerevisiae) (Jhdm1d), mRNA.	Mme-M200007691	ILMN_1231072	0	0
77035	Kdm8	-0.187	0.055	0.083	0	0	0	0	0	0	NM_029842	jumonji domain containing 5 (Jmjd5), mRNA.	Mme-M200007313	ILMN_1244329	0	0
16542	Kdr	0.076	0.054	-0.079	0	0	0	0	0	0	NM_010612	kinase insert domain protein receptor (Kdr), mRNA.	Mme-M300006563	ILMN_2665788	0	0
70750	Kdsr	0.238	-0.163	0.070	0	0	0	0	0	0	NM_027534	3-ketodihydrosphingosine reductase (Kdsr), mRNA.	Mme-M400016813	ILMN_2692262	0	0
50868	Keap1	0.266	-0.189	-0.203	0	0	0	0	0	0	NM_001110307	kelch-like ECH-associated protein 1 (Keap1), transcript variant 4, mRNA.	Mme-M200009625	ILMN_2707771	0	0
64697	Keg1	-0.268	0.028	0.043	0	0	0	0	0	0	NM_029550	kidney expressed gene 1 (Keg1), mRNA.	Mme-M200016386	ILMN_2860915	0	0
23925	Kel	0.145	0.314	0.189	0	0	0	0	0	0	NM_032540	Kell blood group (Kel), mRNA.	Mme-M200003794	ILMN_2668996	0	0
16545	Kera	0.076	0.053	0.001	0	0	0	0	0	0	NM_008438	keratocan (Kera), mRNA.	Mme-M200002324	ILMN_2602169	0	0
433278	Khdc1c	-0.092	-0.037	-0.119	0	0	0	0	0	0	NM_001033904	KH homology domain containing 1C (Khdc1c), mRNA.	Mme-M400002532	ILMN_1250515	0	0
66991	Khdc3	-0.104	-0.003	0.025	0	0	0	0	0	0	NM_025890	RIKEN cDNA 2410004A20 gene (2410004A20Rik), mRNA.	Mme-M200009940	ILMN_1239178	0	0
20218	Khdrbs1	-0.071	0.105	-0.128	0	0	0	0	0	0	NM_011317	KH domain containing, RNA binding, signal transduction associated 1 (Khdrbs1), mRNA.	Mme-M200002696	ILMN_2725789	0	0
170771	Khdrbs2	0.041	0.036	0.099	0	0	0	0	0	0	NM_133235	KH domain containing, RNA binding, signal transduction associated 2 (Khdrbs2), mRNA.	Mme-M200006268	ILMN_2647179	0	0
13992	Khdrbs3	0.448	-0.321	-0.098	0	0	0	0	0	0	NM_010158	KH domain containing, RNA binding, signal transduction associated 3 (Khdrbs3), mRNA.	Mme-M200003563	ILMN_2590488	0	0
16548	Khk	0.069	0.065	-0.155	0	0	0	0	0	0	NM_008439	ketohexokinase (Khk), mRNA.	Mme-M300006522	ILMN_2698564	0	0
219094	Khnyn	-0.083	-0.007	0.141	0	0	0	0	0	0	NM_027143	RIKEN cDNA 9130227C08Rik gene (9130227C08Rik), mRNA.	Mme-M300018010	ILMN_1225859	0	0
16549	Khsrp	-0.029	0.077	0.168	0	0	0	0	0	0	NM_010613	KH-type splicing regulatory protein (Khsrp), mRNA.	Mme-M400009052	ILMN_3003567	0	0
77480	Kidins220	-0.294	-0.186	0.035	0	0	0	0	0	0	NM_001081378	RIKEN cDNA C330002I19 gene (C330002I19Rik), mRNA.	Mme-M300010335	ILMN_1233456	0	0
16551	Kif11	0.064	0.039	0.128	0	0	0	0	0	0	NM_010615	kinesin family member 11 (Kif11), mRNA.	Mme-M300001180	ILMN_2866970	0	0
16552	Kif12	-0.279	0.015	0.124	0	0	0	0	0	0	NM_010616	kinesin family member 12 (Kif12), mRNA.	Mme-M300006056	ILMN_2730865	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
16553	Kif13a	-0.084	0.100	-0.036	0	0	0	0	0	0	NM_010617	kinesin family member 13A (Kif13a), mRNA.	Mme-M300002731	ILMN_2641876	0	0
16554	Kif13b	-0.227	-0.083	-0.030	0	0	0	0	0	0	NM_001081177	kinesin family member 13B (Kif13b), mRNA.	Mme-M300009419	ILMN_1247462	0	0
381293	Kif14	-0.057	-0.126	-0.040	0	0	0	0	0	0	NM_001081258	kinesin family member 14 (Kif14), mRNA.	Mme-M300005087	ILMN_2463259	0	0
209737	Kif15	0.110	0.195	0.101	0	0	0	0	0	0	NM_010620	kinesin family member 15 (Kif15), mRNA.	Mme-M300010524	ILMN_2900557	0	0
16558	Kif16b	-0.113	-0.060	-0.088	0	0	0	0	0	0	NM_001081133	kinesin family member 16B (Kif16b), mRNA.	Mme-M300005631	ILMN_1231332	0	0
16559	Kif17	-0.336	-0.082	0.030	0	0	0	0	0	0	NM_010623	kinesin family member 17 (Kif17), mRNA.	Mme-M200011570	ILMN_2704842	0	0
228421	Kif18a	0.029	-0.030	0.079	0	0	0	0	0	0	NM_139303	kinesin family member 18A (Kif18a), mRNA.	Mme-M200005274	ILMN_1212799	0	0
70218	Kif18b	-0.295	0.251	0.148	0	0	0	0	0	0	NM_197959	RIKEN cDNA 3000004C01 gene (3000004C01Rik), mRNA.	Mme-M300002475	ILMN_2593631	0	0
16560	Kif1a	-0.356	-0.115	-0.097	0	0	0	0	0	0	NM_001110315	kinesin family member 1A (Kif1a), transcript variant 2, mRNA.	Mme-M200001936	ILMN_2965896	0	0
16561	Kif1b	-0.328	-0.242	0.161	0	0	0	0	0	0	NM_207682	kinesin family member 1B (Kif1b), transcript variant 2, mRNA.	Mme-M400009322	ILMN_2654314	0	0
16562	Kif1c	0.290	-0.127	0.088	0	0	0	0	0	0	NM_153103	kinesin family member 1C (Kif1c), mRNA.	Mme-M200016083	ILMN_1226888	0	0
19348	Kif20a	0.054	0.040	-0.095	0	0	0	0	0	0	NM_009004	kinesin family member 20A (Kif20a), mRNA.	Mme-M200012734	ILMN_2610369	0	0
240641	Kif20b	0.120	-0.075	0.099	0	0	0	0	0	0	NM_183046	kinesin family member 20B (Kif20b), mRNA.	Mme-M300004329	ILMN_2685759	0	0
16564	Kif21a	-0.205	-0.030	0.257	0	0	0	0	0	0	NM_001109042	kinesin family member 21A (Kif21a), transcript variant 4, mRNA.	Mme-M200013569	ILMN_2718716	0	0
16565	Kif21b	-0.028	-0.056	-0.049	0	0	0	0	0	0	NM_001039472	kinesin family member 21B (Kif21b), mRNA.	Mme-M300013278	ILMN_1244605	0	0
110033	Kif22	0.046	0.162	-0.040	0	0	0	0	0	0	NM_145588	kinesin family member 22 (Kif22), mRNA.	Mme-M200006460	ILMN_2762326	0	0
71819	Kif23	0.329	0.196	0.206	0	0	0	0	0	0	NM_024245	kinesin family member 23 (Kif23), mRNA.	Mme-M200012880	ILMN_1220121	0	0
109242	Kif24	-0.066	-0.043	-0.040	0	0	0	0	0	0	NM_024241	kinesin family member 24 (Kif24), mRNA.	Mme-M400001086	ILMN_2936496	0	0
668303	Kif26a	-0.419	0.121	-0.061	0	0	0	0	0	0	NM_001097621	kinesin family member 26A (Kif26a), mRNA.	Mme-M400009953	ILMN_1259342	0	0
269152	Kif26b	-0.332	-0.096	-0.123	0	0	0	0	0	0	NM_177757	kinesin family member 26B (Kif26b), mRNA.	Mme-M300005140	ILMN_2835384	0	0
75050	Kif27	-0.196	-0.192	-0.088	0	0	0	0	0	0	NM_175214	kinesin family member 27 (Kif27), mRNA.	Mme-M300009894	ILMN_2742145	0	0
16563	Kif2a	-0.156	-0.015	0.023	0	0	0	0	0	0	NM_008442	kinesin family member 2A (Kif2a), mRNA.	Mme-M300002895	ILMN_2761635	0	0
73470	Kif2b	-0.318	-0.097	0.016	0	0	0	0	0	0	NM_028547	kinesin family member 2B (Kif2b), mRNA.	Mme-M300017632	ILMN_2729487	0	0
73804	Kif2c	-0.024	0.178	0.201	0	0	0	0	0	0	NM_134471	kinesin family member 2C (Kif2c), mRNA.	Mme-M300006226	ILMN_1218967	0	0
16568	Kif3a	-0.221	-0.171	-0.125	0	0	0	0	0	0	NM_008443	kinesin family member 3A (Kif3a), mRNA.	Mme-M200001852	ILMN_2621148	0	0
16569	Kif3b	0.013	-0.029	-0.062	0	0	0	0	0	0	NM_008444	kinesin family member 3B (Kif3b), mRNA.	Mme-M400010826	ILMN_2911102	0	0
16570	Kif3c	-0.069	0.238	-0.075	0	0	0	0	0	0	NM_008445	kinesin family member 3C (Kif3c), mRNA.	Mme-M200002583	ILMN_2593410	0	0
16571	Kif4	-0.096	0.222	0.129	0	0	0	0	0	0	NM_008446	kinesin family member 4 (Kif4), mRNA.	Mme-M300009278	ILMN_2747641	0	0
16573	Kif5b	0.136	0.072	-0.021	0	0	0	0	0	0	NM_008448	kinesin family member 5B (Kif5b), mRNA.	Mme-M200001303	ILMN_2660650	0	0
16574	Kif5c	-0.088	-0.098	0.005	0	0	0	0	0	0	NM_008449	kinesin family member 5C (Kif5c), mRNA.	Mme-M200013659	ILMN_1216662	0	0
319991	Kif6	-0.434	-0.011	0.070	0	0	0	0	0	0	NM_177052	kinesin family member 6 (Kif6), mRNA.	Mme-M300019203	ILMN_2680371	0	0
16578	Kif9	-0.005	0.012	-0.027	0	0	0	0	0	0	NM_010628	kinesin family member 9 (Kif9), mRNA.	Mme-M200013905	ILMN_1238715	0	0
16579	Kifap3	-0.062	-0.111	0.047	0	0	0	0	0	0	NM_010629	kinesin-associated protein 3 (Kifap3), mRNA.	Mme-M300005187	ILMN_1222022	0	0
16581	Kifc2	0.173	0.541	0.089	0	1	0	0	0	0	NM_010630	kinesin family member C2 (Kifc2), mRNA.	Mme-M200000318	ILMN_2695158	0	0
16582	Kifc3	-0.429	0.022	-0.171	0	0	0	0	0	0	NM_010631	kinesin family member C3 (Kifc3), mRNA.	Mme-M200004410	ILMN_1229531	0	0
16580	Kifc5b	-0.166	0.267	-0.041	0	0	0	0	0	0	NM_053173	kinesin family member C1 (Kifc1), mRNA.	Mme-M400010110	ILMN_1257510	0	0
16588	Kin	-0.013	0.166	0.007	0	0	0	0	0	0	NM_025280	antigenic determinant of rec-A protein (Kin), mRNA.	Mme-M200007756	ILMN_1232589	0	0
245616	Kir3dl1	-0.467	0.031	-0.018	0	0	0	0	0	0	NM_177749	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1 (Kir3dl1), mRNA.	Mme-M400005922	ILMN_2734355	0	0
245615	Kir3dl2	0.024	-0.037	0.036	0	0	0	0	0	0	NM_177748	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2 (Kir3dl2), mRNA.	Mme-M400012434	ILMN_2761691	0	0
170643	Kirrel	-0.058	-0.003	-0.003	0	0	0	0	0	0	NM_130867	kin of IRRE like (Drosophila) (Kirrel), mRNA.	Mme-M300013332	ILMN_2621422	0	0
243911	Kirrel2	0.063	0.046	-0.107	0	0	0	0	0	0	NM_172898	kin of IRRE like 2 (Drosophila) (Kirrel2), mRNA.	Mme-M400001948	ILMN_2629246	0	0
67703	Kirrel3	-0.142	0.011	0.049	0	0	0	0	0	0	NM_026324	kin of IRRE like 3 (Drosophila) (Kirrel3), mRNA.	Mme-M200004603	ILMN_2599008	0	0
280287	Kiss1	0.374	0.059	-0.069	0	0	0	0	0	0	NM_178260	KiSS-1 metastasis-suppressor (Kiss1), mRNA.	Mme-M300013318	ILMN_2735829	0	0
114229	Kiss1r	-0.044	-0.060	0.027	0	0	0	0	0	0	NM_053244	KISS1 receptor (Kiss1r), mRNA.	Mme-M200012215	ILMN_2711356	0	0
16590	Kit	-0.084	0.208	0.074	0	0	0	0	0	0	NM_021099	kit oncogene (Kit), transcript variant 2, mRNA.	Mme-M200001722	ILMN_1246876	0	0
17311	Kitl	0.027	0.053	0.325	0	0	1	0	0	0	NM_013598	kit ligand (Kitl), mRNA.	Mme-M400011204	ILMN_2751988	0	0
228730	Kiz	-0.227	-0.173	-0.140	0	0	0	0	0	0	NM_001033298	gene model 114, (NCBI) (Gm114), mRNA.	Mme-M400010252	ILMN_2828492	0	0
16591	Kl	0.038	-0.374	-0.498	0	0	-1	0	0	-1	NM_013823	klotho (Kl), mRNA.	Mme-M200002373	ILMN_1253148	0	1
83379	Klb	0.086	0.042	-0.037	0	0	0	0	0	0	NM_031180	klotho beta (Klb), mRNA.	Mme-M200014228	ILMN_2606921	0	0
16593	Klc1	-0.112	-0.071	-0.099	0	0	0	0	0	0	NM_008450	kinesin light chain 1 (Klc1), transcript variant a, mRNA.	Mme-M400000452	ILMN_2605756	0	0
16594	Klc2	0.057	0.213	-0.102	0	0	0	0	0	0	NM_008451	kinesin light chain 2 (Klc2), mRNA.	Mme-M200003208	ILMN_1239133	0	0
232943	Klc3	0.171	-0.067	-0.199	0	0	0	0	0	0	NM_146182	kinesin light chain 3 (Klc3), mRNA.	Mme-M200013281	ILMN_1233075	0	0
74764	Klc4	-0.088	0.025	-0.073	0	0	0	0	0	0	NM_029091	kinesin light chain 4 (Klc4), mRNA.	Mme-M300000438	ILMN_1251301	0	0
16596	Klf1	-0.154	0.077	0.127	0	0	0	0	0	0	NM_010635	Kruppel-like factor 1 (erythroid) (Klf1), mRNA.	Mme-M400004735	ILMN_2665087	0	0
21847	Klf10	0.320	0.047	0.016	0	0	0	0	0	0	NM_013692	Kruppel-like factor 10 (Klf10), mRNA.	Mme-M200001672	ILMN_2648189	0	0
194655	Klf11	0.115	0.020	-0.002	0	0	0	0	0	0	NM_178357	Kruppel-like factor 11 (Klf11), mRNA.	Mme-M300002309	ILMN_1244957	0	0
16597	Klf12	0.067	0.070	0.060	0	0	0	0	0	0	NM_010636	Kruppel-like factor 12 (Klf12), mRNA.	Mme-M200013932	ILMN_1231246	0	0
50794	Klf13	0.162	-0.100	0.027	0	0	0	0	0	0	NM_021366	Kruppel-like factor 13 (Klf13), mRNA.	Mme-M300007284	ILMN_1218206	0	0
66277	Klf15	0.449	-0.083	-0.004	0	0	0	0	0	0	NM_023184	Kruppel-like factor 15 (Klf15), mRNA.	Mme-M200013573	ILMN_1235255	0	0
118445	Klf16	-0.195	0.052	0.059	0	0	0	0	0	0	NM_078477	Kruppel-like factor 16 (Klf16), mRNA.	Mme-M400001804	ILMN_2889916	0	0
75753	Klf17	-0.140	0.023	-0.053	0	0	0	0	0	0	NM_029416	Kruppel-like factor 17 (Klf17), mRNA.	Mme-M200001474	ILMN_2469125	0	0
16598	Klf2	0.156	0.019	0.040	0	0	0	0	0	0	NM_008452	Kruppel-like factor 2 (lung) (Klf2), mRNA.	Mme-M400005068	ILMN_2604029	0	0
16600	Klf4	0.236	-0.192	0.088	0	0	0	0	0	0	NM_010637	Kruppel-like factor 4 (gut) (Klf4), mRNA.	Mme-M400000065	ILMN_2999439	0	0
12224	Klf5	-0.024	-0.415	-0.004	0	0	0	0	0	0	NM_009769	Kruppel-like factor 5 (Klf5), mRNA.	Mme-M300000642	ILMN_1253387	0	0
23849	Klf6	0.210	-0.064	0.807	0	0	1	0	0	1	NM_011803	Kruppel-like factor 6 (Klf6), mRNA.	Mme-M200012730	ILMN_2731949	1	0
93691	Klf7	-0.177	-0.055	0.024	0	0	0	0	0	0	NM_033563	Kruppel-like factor 7 (ubiquitous) (Klf7), mRNA.	Mme-M200006495	ILMN_1251426	0	0
245671	Klf8	-0.195	-0.071	-0.011	0	0	0	0	0	0	NM_173780	Kruppel-like factor 8 (Klf8), mRNA.	Mme-M300013282	ILMN_2608214	0	0
16601	Klf9	0.223	-0.232	-0.202	0	0	0	0	0	0	NM_010638	Kruppel-like factor 9 (Klf9), mRNA.	Mme-M300008987	ILMN_1254031	0	0
271005	Klhdc1	-0.028	0.110	0.112	0	0	0	0	0	0	NM_178253	kelch domain containing 1 (Klhdc1), mRNA.	Mme-M400003925	ILMN_2649635	0	0
76788	Klhdc10	-0.055	-0.019	-0.052	0	0	0	0	0	0	NM_029742	RIKEN cDNA 2410127E18 gene (2410127E18Rik), mRNA.	Mme-M200015825	ILMN_2638147	0	0
69554	Klhdc2	0.090	-0.099	0.017	0	0	0	0	0	0	NM_027117	kelch domain containing 2 (Klhdc2), mRNA.	Mme-M200005810	ILMN_2845272	0	0
71765	Klhdc3	0.089	0.176	0.002	0	0	0	0	0	0	NM_027910	kelch domain containing 3 (Klhdc3), mRNA.	Mme-M200012000	ILMN_2851023	0	0
234825	Klhdc4	0.074	0.160	-0.063	0	0	0	0	0	0	NM_145605	kelch domain containing 4 (Klhdc4), mRNA.	Mme-M300012577	ILMN_2740710	0	0
546648	Klhdc7b	-0.403	0.022	0.045	0	0	0	0	0	0	XM_621414	PREDICTED: kelch domain containing 7B (Klhdc7b), mRNA.	Mme-M400007526	ILMN_2528920	0	0
213417	Klhdc8a	-0.090	-0.015	-0.042	0	0	0	0	0	0	NM_144810	kelch domain containing 8A (Klhdc8a), mRNA.	Mme-M200008210	ILMN_2649530	0	0
78267	Klhdc8b	0.189	0.063	-0.195	0	0	0	0	0	0	NM_030075	kelch domain containing 8B (Klhdc8b), mRNA.	Mme-M200009669	ILMN_1216669	0	0
68874	Klhdc9	0.134	0.010	-0.100	0	0	0	0	0	0	NM_001033039	kelch domain containing 9 (Klhdc9), mRNA.	Mme-M300016227	ILMN_1217812	0	0
93688	Klhl1	-0.280	-0.076	-0.051	0	0	0	0	0	0	NM_053105	kelch-like 1 (Drosophila) (Klhl1), mRNA.	Mme-M300003083	ILMN_2771673	0	0
66720	Klhl10	0.141	0.020	0.001	0	0	0	0	0	0	NM_025727	kelch-like 10 (Drosophila) (Klhl10), mRNA.	Mme-M200007503	ILMN_2921031	0	0
217194	Klhl11	-0.080	-0.041	0.035	0	0	0	0	0	0	NM_172565	kelch-like 11 (Drosophila) (Klhl11), mRNA.	Mme-M200012148	ILMN_2631379	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
240756	Klhl12	0.146	-0.015	0.000	0	0	0	0	0	0	NM_153128	kelch-like 12 (Drosophila) (Klhl12), mRNA.	Mme-M400012190	ILMN_2752702	0	0
67455	Klhl13	-0.093	0.004	-0.036	0	0	0	0	0	0	NM_026167	kelch-like 13 (Drosophila) (Klhl13), mRNA.	Mme-M200005293	ILMN_1215124	0	0
225266	Klhl14	-0.260	-0.106	-0.112	0	0	0	0	0	0	NM_001081403	kelch-like 14 (Drosophila) (Klhl14), mRNA.	Mme-M300013742	ILMN_2691014	0	0
236904	Klhl15	0.108	-0.152	-0.040	0	0	0	0	0	0	NM_001039059	kelch-like 15 (Drosophila) (Klhl15), transcript variant 3, mRNA.	Mme-M300014983	ILMN_3143069	0	0
231003	Klhl17	-0.059	-0.093	0.042	0	0	0	0	0	0	NM_198305	kelch-like 17 (Drosophila) (Klhl17), mRNA.	Mme-M300006469	ILMN_2924601	0	0
270201	Klhl18	0.024	0.081	0.111	0	0	0	0	0	0	NM_177771	kelch-like 18 (Drosophila) (Klhl18), mRNA.	Mme-M300008275	ILMN_1235016	0	0
77113	Klhl2	0.168	-0.029	0.000	0	0	0	0	0	0	NM_178633	kelch-like 2, Mayven (Drosophila) (Klhl2), mRNA.	Mme-M300007819	ILMN_2686047	0	0
226541	Klhl20	-0.032	-0.051	-0.071	0	0	0	0	0	0	NM_001039482	kelch-like 20 (Drosophila) (Klhl20), mRNA.	Mme-M300005246	ILMN_2725780	0	0
242785	Klhl21	-0.275	-0.203	-0.070	0	0	0	0	0	0	NM_001033352	kelch-like 21 (Drosophila) (Klhl21), mRNA.	Mme-M300012351	ILMN_1229082	0	0
224023	Klhl22	0.097	0.081	-0.223	0	0	0	0	0	0	NM_145479	kelch-like 22 (Drosophila) (Klhl22), mRNA.	Mme-M400000604	ILMN_1246018	0	0
277396	Klhl23	0.230	0.021	0.029	0	0	0	0	0	0	NM_177784	kelch-like 23 (Drosophila) (Klhl23), mRNA.	Mme-M300013534	ILMN_2862875	0	0
75785	Klhl24	0.028	-0.292	-0.156	0	0	0	0	0	0	NM_029436	kelch-like 24 (Drosophila) (Klhl24), mRNA.	Mme-M300003523	ILMN_2860244	0	0
207952	Klhl25	-0.201	-0.258	0.102	0	0	0	0	0	0	NM_182782	kelch-like 25 (Drosophila) (Klhl25), transcript variant 3, mRNA.	Mme-M400005248	ILMN_1217241	0	0
66689	Klhl28	0.002	-0.029	-0.012	0	0	0	0	0	0	NM_025707	kelch-like 28 (Drosophila) (Klhl28), mRNA.	Mme-M200014694	ILMN_2682263	0	0
208439	Klhl29	-0.127	-0.204	0.070	0	0	0	0	0	0	XM_906219	PREDICTED: kelch-like 29 (Drosophila) (Klhl29), mRNA.	Mme-M300002282	ILMN_1250099	0	0
70788	Klhl30	0.019	0.287	-0.065	0	0	0	0	0	0	NM_027551	kelch-like 30 (Drosophila) (Klhl30), mRNA.	Mme-M200015245	ILMN_2605201	0	0
244923	Klhl31	1.393	0.138	-0.224	1	0	0	1	0	0	NM_172925	kelch-like 31 (Drosophila) (Klhl31), mRNA.	Mme-M300019632	ILMN_1247118	1	0
212390	Klhl32	0.160	0.078	-0.172	0	0	0	0	0	0	NM_001033531	kelch-like 32 (Drosophila) (Klhl32), mRNA.	Mme-M400002360	ILMN_1240069	0	0
245683	Klhl34	-0.087	0.158	-0.088	0	0	0	0	0	0	NM_001081667	kelch-like 34 (Drosophila) (Klhl34), mRNA.	Mme-M400003309	ILMN_2965737	0	0
72184	Klhl35	0.082	-0.085	-0.011	0	0	0	0	0	0	XM_133597	PREDICTED: RIKEN cDNA 2810406K13 gene, transcript variant 1 (2810406K13Rik), mRNA.	Mme-M200015032	ILMN_2594076	0	0
234796	Klhl36	-0.030	0.074	-0.003	0	0	0	0	0	0	NM_146219	cDNA sequence BC025816 (BC025816), mRNA.	Mme-M300007922	ILMN_2697238	0	0
268807	Klhl38	-0.423	0.010	-0.012	0	0	0	0	0	0	NM_177755	RIKEN cDNA 8230402K04 gene (8230402K04Rik), mRNA.	Mme-M300003232	ILMN_2625094	0	0
237010	Klhl4	-0.331	-0.054	-0.021	0	0	0	0	0	0	NM_172781	kelch-like 4 (Drosophila) (Klhl4), mRNA.	Mme-M300004711	ILMN_2904617	0	0
72330	Klhl40	0.049	0.377	-0.038	0	0	0	0	0	0	NM_028202	kelch repeat and BTB (POZ) domain containing 5 (Kbtbd5), mRNA.	Mme-M400013746	ILMN_2636054	0	0
228003	Klhl41	1.168	0.429	-0.450	1	1	-1	1	0	-1	NM_001081087	kelch repeat and BTB (POZ) domain containing 10 (Kbtbd10), mRNA.	Mme-M400005332	ILMN_2527465	1	1
232539	Klhl42	-0.168	-0.093	0.196	0	0	0	0	0	0	NM_001081237	kelch domain containing 5 (Klhdc5), mRNA.	Mme-M300012516	ILMN_1248955	0	0
71778	Klhl5	-0.141	-0.172	0.037	0	0	0	0	0	0	NM_175174	kelch-like 5 (Drosophila) (Klhl5), mRNA.	Mme-M300006538	ILMN_2692482	0	0
239743	Klhl6	0.137	0.329	0.217	0	0	0	0	0	0	NM_183390	kelch-like 6 (Drosophila) (Klhl6), mRNA.	Mme-M300014095	ILMN_2840514	0	0
52323	Klhl7	0.124	-0.073	0.029	0	0	0	0	0	0	NM_026448	kelch-like 7 (Drosophila) (Klhl7), mRNA.	Mme-M400001131	ILMN_2660864	0	0
246293	Klhl8	0.048	0.121	0.106	0	0	0	0	0	0	NM_178741	kelch-like 8 (Drosophila) (Klhl8), mRNA.	Mme-M300006603	ILMN_2943176	0	0
242521	Klhl9	0.008	0.193	-0.313	0	0	-1	0	0	0	NM_172871	kelch-like 9 (Drosophila) (Klhl9), mRNA.	Mme-M300019000	ILMN_1246060	0	0
16612	Klk1	0.100	0.308	-0.005	0	0	0	0	0	0	NM_010639	kallikrein 1 (Klk1), mRNA.	Mme-M400011051	ILMN_2760199	0	0
69540	Klk10	-0.108	0.086	0.092	0	0	0	0	0	0	NM_133712	kallikrein related-peptidase 10 (Klk10), mRNA.	Mme-M200014507	ILMN_1243407	0	0
56538	Klk11	-0.082	0.045	0.034	0	0	0	0	0	0	NM_019974	kallikrein related-peptidase 11 (Klk11), mRNA.	Mme-M300007362	ILMN_2718509	0	0
626834	Klk13	0.055	0.139	0.083	0	0	0	0	0	0	NM_001039042	kallikrein related-peptidase 13 (Klk13), mRNA.	Mme-M400004685	ILMN_3115315	0	0
317653	Klk14	-0.435	0.052	0.076	0	0	0	0	0	0	NM_174866	kallikrein related-peptidase 14 (Klk14), mRNA.	Mme-M300014932	ILMN_2613722	0	0
317652	Klk15	-0.067	-0.056	0.028	0	0	0	0	0	0	NM_174865	kallikrein related-peptidase 15 (Klk15), mRNA.	Mme-M400005079	ILMN_2726478	0	0
16623	Klk1b1	-0.121	0.059	-0.023	0	0	0	0	0	0	NM_010645	kallikrein 1-related peptidase b1 (Klk1b1), mRNA.	Mme-M400009492	ILMN_2989749	0	0
16613	Klk1b11	-0.357	0.027	-0.085	0	0	0	0	0	0	NM_010640	kallikrein 1-related peptidase b11 (Klk1b11), mRNA.	Mme-M400002905	ILMN_2979432	0	0
16615	Klk1b16	-0.086	-0.096	0.004	0	0	0	0	0	0	NM_008454	kallikrein 1-related peptidase b16 (Klk1b16), mRNA.	Mme-M200016238	ILMN_1259613	0	0
16616	Klk1b21	-0.144	0.044	-0.135	0	0	0	0	0	0	NM_010642	kallikrein 1-related peptidase b21 (Klk1b21), mRNA.	Mme-M400008017	ILMN_2732087	0	0
13646	Klk1b22	-0.205	-0.002	-0.029	0	0	0	0	0	0	NM_010114	kallikrein 1-related peptidase b22 (Klk1b22), mRNA.	Mme-M400007123	ILMN_2946653	0	0
16617	Klk1b24	0.168	0.025	-0.131	0	0	0	0	0	0	NM_010643	kallikrein 1-related peptidase b24 (Klk1b24), mRNA.	Mme-M400008378	ILMN_2622463	0	0
16619	Klk1b27	-0.327	0.270	0.034	0	0	0	0	0	0	NM_020268	kallikrein 1-related peptidase b27 (Klk1b27), mRNA.	Mme-M400011358	ILMN_3009447	0	0
18050	Klk1b3	0.043	-0.045	-0.005	0	0	0	0	0	0	NM_008693	kallikrein 1-related peptidase b3 (Klk1b3), mRNA.	Mme-M400008465	ILMN_2643044	0	0
18048	Klk1b4	-0.055	0.234	-0.029	0	0	0	0	0	0	NM_010915	kallikrein 1-related pepidase b4 (Klk1b4), mRNA.	Mme-M400008122	ILMN_1238736	0	0
16624	Klk1b8	-0.001	0.030	-0.047	0	0	0	0	0	0	NM_008457	kallikrein 1-related peptidase b8 (Klk1b8), mRNA.	Mme-M400008102	ILMN_1216962	0	0
13648	Klk1b9	-0.134	-0.051	0.065	0	0	0	0	0	0	NM_010116	kallikrein 1-related peptidase b9 (Klk1b9), mRNA.	Mme-M400006613	ILMN_2723594	0	0
56640	Klk4	-0.325	0.100	0.014	0	0	0	0	0	0	NM_019928	kallikrein related-peptidase 4 (prostase, enamel matrix, prostate) (Klk4), mRNA.	Mme-M200013868	ILMN_2858200	0	0
68668	Klk5	-0.091	0.035	-0.068	0	0	0	0	0	0	NM_026806	kallikrein related-peptidase 5 (Klk5), mRNA.	Mme-M200003803	ILMN_2970715	0	0
19144	Klk6	-0.488	0.241	0.137	0	0	0	0	0	0	NM_011177	kallikrein related-peptidase 6 (Klk6), mRNA.	Mme-M300020774	ILMN_2775176	0	0
23993	Klk7	-0.201	0.083	0.040	0	0	0	0	0	0	NM_011872	kallikrein related-peptidase 7 (chymotryptic, stratum corneum) (Klk7), mRNA.	Mme-M300007377	ILMN_1251558	0	0
259277	Klk8	0.331	0.529	0.040	0	1	0	0	0	0	NM_008940	kallikrein related-peptidase 8 (Klk8), mRNA.	Mme-M200002206	ILMN_2675232	0	0
101533	Klk9	0.023	0.048	0.006	0	0	0	0	0	0	NM_028660	kallikrein related-peptidase 9 (Klk9), mRNA.	Mme-M400003356	ILMN_2773298	0	0
16621	Klkb1	0.056	-0.090	-0.088	0	0	0	0	0	0	NM_008455	kallikrein B, plasma 1 (Klkb1), mRNA.	Mme-M300007836	ILMN_2924942	0	0
16627	Klra1	0.121	0.087	-0.017	0	0	0	0	0	0	NM_016659	killer cell lectin-like receptor, subfamily A, member 1 (Klra1), mRNA.	Mme-M400011247	ILMN_1228875	0	0
16628	Klra10	0.032	0.197	0.125	0	0	0	0	0	0	NM_008459	killer cell lectin-like receptor subfamily A, member 10 (Klra10), mRNA.	Mme-M400001524	ILMN_2613073	0	0
16631	Klra13-ps	0.194	0.069	0.048	0	0	0	0	0	0	NM_010647	killer cell lectin-like receptor subfamily A, member 13 (Klra13), mRNA.	Mme-M400009462	ILMN_1230969	0	0
27423	Klra15	-0.050	0.029	-0.025	0	0	0	0	0	0	NM_013793	killer cell lectin-like receptor, subfamily A, member 15 (Klra15), mRNA.	Mme-M400011225	ILMN_1233185	0	0
27424	Klra16	-0.109	0.254	0.095	0	0	0	0	0	0	NM_013794	killer cell lectin-like receptor, subfamily A, member 16 (Klra16), mRNA.	Mme-M400011226	ILMN_3005175	0	0
93970	Klra18	0.134	0.374	0.065	0	0	0	0	0	0	NM_053153	killer cell lectin-like receptor, subfamily A, member 18 (Klra18), mRNA.	Mme-M400011766	ILMN_1251366	0	0
16633	Klra2	0.047	0.213	0.032	0	0	0	0	0	0	NM_008462	killer cell lectin-like receptor, subfamily A, member 2 (Klra2), mRNA.	Mme-M300007061	ILMN_1251941	0	0
93968	Klra21	-0.062	0.026	0.026	0	0	0	0	0	0	NM_053151	killer cell lectin-like receptor subfamily A, member 21 (Klra21), mRNA.	Mme-M400011765	ILMN_1236777	0	0
93969	Klra22	-0.089	0.016	0.061	0	0	0	0	0	0	NM_053152	killer cell lectin-like receptor subfamily A, member 22 (Klra22), mRNA.	Mme-M400009460	ILMN_2664429	0	0
16634	Klra3	-0.038	0.810	0.134	0	1	0	0	1	0	NM_010648	killer cell lectin-like receptor, subfamily A, member 3 (Klra3), mRNA.	Mme-M400002975	ILMN_1237580	1	0
16635	Klra4	0.027	-0.018	-0.087	0	0	0	0	0	0	NM_010649	killer cell lectin-like receptor, subfamily A, member 4 (Klra4), mRNA.	Mme-M400001232	ILMN_3104704	0	0
16636	Klra5	-0.193	0.094	0.001	0	0	0	0	0	0	NM_008463	killer cell lectin-like receptor, subfamily A, member 5 (Klra5), mRNA.	Mme-M400001231	ILMN_2632289	0	0
16637	Klra6	-0.047	-0.042	-0.063	0	0	0	0	0	0	NM_008464	killer cell lectin-like receptor, subfamily A, member 6 (Klra6), mRNA.	Mme-M300001308	ILMN_2673169	0	0
16639	Klra8	-0.271	-0.027	-0.138	0	0	0	0	0	0	NM_010650	killer cell lectin-like receptor, subfamily A, member 8 (Klra8), mRNA.	Mme-M400000209	ILMN_1252006	0	0
17057	Klrb1a	0.029	0.157	0.043	0	0	0	0	0	0	NM_010737	killer cell lectin-like receptor subfamily B member 1A (Klrb1a), mRNA.	Mme-M300007165	ILMN_2602983	0	0
17059	Klrb1c	0.015	-0.130	0.144	0	0	0	0	0	0	NM_008527	killer cell lectin-like receptor subfamily B member 1C (Klrb1c), mRNA.	Mme-M400010835	ILMN_2952650	0	0
232408	Klrb1f	-0.376	0.449	0.205	0	1	0	0	0	0	NM_153094	killer cell lectin-like receptor subfamily B member 1F (Klrb1f), mRNA.	Mme-M300007038	ILMN_2604651	0	0
16642	Klrc2	-0.525	-0.038	0.000	0	0	0	0	0	0	NM_001098669	killer cell lectin-like receptor subfamily C, member 2 (Klrc2), transcript variant 2, mRNA.	Mme-M400010457	ILMN_2713909	0	0
58179	Klrc3	-0.182	-0.065	-0.013	0	0	0	0	0	0	NM_021378	killer cell lectin-like receptor subfamily C, member 3 (Klrc3), mRNA.	Mme-M400001525	ILMN_2608368	0	0
16643	Klrd1	0.089	0.194	0.288	0	0	0	0	0	0	NM_010654	killer cell lectin-like receptor, subfamily D, member 1 (Klrd1), mRNA.	Mme-M200002688	ILMN_1255860	0	0
243655	Klre1	-0.030	0.634	0.261	0	1	0	0	1	0	NM_153590	killer cell lectin-like receptor family E member 1 (Klre1), mRNA.	Mme-M300020946	ILMN_1239346	1	0
50928	Klrg1	0.014	0.351	0.168	0	0	0	0	0	0	NM_016970	killer cell lectin-like receptor subfamily G, member 1 (Klrg1), mRNA.	Mme-M200003894	ILMN_2944755	0	0
74253	Klrg2	-0.214	-0.131	-0.100	0	0	0	0	0	0	NM_001033171	killer cell lectin-like receptor subfamily G, member 2 (Klrg2), mRNA.	Mme-M300018304	ILMN_2631171	0	0
503550	Klri1	0.203	0.237	-0.106	0	0	0	0	0	0	NM_001012520	killer cell lectin-like receptor family I member 1 (Klri1), mRNA.	Mme-M300014986	ILMN_3142296	0	0
320407	Klri2	-0.181	-0.059	-0.092	0	0	0	0	0	0	NM_177155	killer cell lectin-like receptor family I member 2 (Klri2), mRNA.	Mme-M400012377	ILMN_2651722	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
27007	Klrk1	0.244	0.321	0.228	0	0	0	0	0	0	NM_001083322	killer cell lectin-like receptor subfamily K, member 1 (Klrk1), transcript variant 2, mRNA.	Mme-M200002691	ILMN_2888493	0	0
98256	Kmo	0.055	0.051	-0.044	0	0	0	0	0	0	NM_133809	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) (Kmo), mRNA.	Mme-M200005463	ILMN_1224155	0	0
214162	Kmt2a	0.219	-0.286	0.157	0	0	0	0	0	0	NM_001081049	myeloid/lymphoid or mixed-lineage leukemia 1 (Mll1), mRNA.	Mme-M200000897	ILMN_1222137	0	0
75410	Kmt2b	-0.111	0.117	0.031	0	0	0	0	0	0	NM_029274	WW domain binding protein 7 (Wbp7), mRNA.	Mme-M200009404	ILMN_2699833	0	0
381022	Kmt2d	-0.120	-0.014	0.110	0	0	0	0	0	0	XM_994259	PREDICTED: myeloid/lymphoid or mixed-lineage leukemia 2 (Mll2), mRNA.	Mme-M400003386	ILMN_1258232	0	0
76484	Kndc1	-0.376	-0.132	-0.034	0	0	0	0	0	0	NM_177261	kinase non-catalytic C-lobe domain (KIND) containing 1 (Kndc1), mRNA.	Mme-M300011978	ILMN_1247178	0	0
16644	Kng1	0.035	0.335	0.102	0	0	0	0	0	0	NM_023125	kininogen 1 (Kng1), transcript variant 2, mRNA.	Mme-M400011424	ILMN_2788223	0	0
385643	Kng2	0.014	0.083	0.039	0	0	0	0	0	0	NM_201375	kininogen 2 (Kng2), transcript variant 1, mRNA.	Mme-M400007247	ILMN_3126522	0	0
51944	Knstrn	0.059	0.051	-0.096	0	0	0	0	0	0	NM_026412	DNA segment, Chr 2, ERATO Doi 750, expressed (D2Ertd750e), mRNA.	Mme-M200003045	ILMN_2761852	0	0
208628	Kntc1	0.013	-0.075	0.008	0	0	0	0	0	0	NM_001042421	kinetochore associated 1 (Kntc1), mRNA.	Mme-M300006668	ILMN_2648080	0	0
16646	Kpna1	-0.090	0.002	0.044	0	0	0	0	0	0	NM_008465	karyopherin (importin) alpha 1 (Kpna1), mRNA.	Mme-M200002459	ILMN_1250856	0	0
16647	Kpna2	0.155	0.090	0.083	0	0	0	0	0	0	NM_010655	karyopherin (importin) alpha 2 (Kpna2), mRNA.	Mme-M400000288	ILMN_2878355	0	0
16649	Kpna4	-0.102	-0.042	-0.024	0	0	0	0	0	0	NM_008467	karyopherin (importin) alpha 4 (Kpna4), mRNA.	Mme-M300005777	ILMN_2729656	0	0
16650	Kpna6	0.175	0.042	-0.093	0	0	0	0	0	0	NM_008468	karyopherin (importin) alpha 6 (Kpna6), mRNA.	Mme-M200008343	ILMN_2667404	0	0
381686	Kpna7	0.047	0.157	-0.039	0	0	0	0	0	0	NM_001013774	expressed sequence AW146299 (AW146299), mRNA.	Mme-M400002190	ILMN_3048509	0	0
16211	Kpnb1	0.040	-0.134	0.092	0	0	0	0	0	0	NM_008379	karyopherin (importin) beta 1 (Kpnb1), mRNA.	Mme-M300000192	ILMN_1230411	0	0
433619	Kprp	-0.260	0.046	-0.065	0	0	0	0	0	0	NM_028629	keratinocyte expressed, proline-rich (Kprp), mRNA.	Mme-M400006975	ILMN_1243551	0	0
70394	Kptn	0.110	-0.061	0.063	0	0	0	0	0	0	NM_133727	kaptin (Kptn), mRNA.	Mme-M300000747	ILMN_2732642	0	0
16653	Kras	-0.213	-0.107	-0.070	0	0	0	0	0	0	NM_021284	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog (Kras), mRNA.	Mme-M300007101	ILMN_2773211	0	0
77827	Krba1	0.119	-0.179	-0.095	0	0	0	0	0	0	NM_133922	KRAB-A domain containing 1 (Krba1), mRNA.	Mme-M200007088	ILMN_2727842	0	0
57896	Krcc1	-0.039	0.031	0.202	0	0	0	0	0	0	NM_145568	lysine-rich coiled-coil 1 (Krcc1), mRNA.	Mme-M400004310	ILMN_2610899	0	0
84035	Kremen1	-0.160	0.060	-0.050	0	0	0	0	0	0	NM_032396	kringle containing transmembrane protein 1 (Kremen1), mRNA.	Mme-M200012254	ILMN_2651035	0	0
73016	Kremen2	-0.344	-0.130	0.035	0	0	0	0	0	0	NM_028416	kringle containing transmembrane protein 2 (Kremen2), mRNA.	Mme-M300012795	ILMN_2951946	0	0
215194	Kri1	-0.002	0.104	-0.021	0	0	0	0	0	0	NM_145416	KRI1 homolog (S. cerevisiae) (Kri1), mRNA.	Mme-M200005987	ILMN_1243563	0	0
79264	Krit1	0.158	-0.107	0.179	0	0	0	0	0	0	NM_030675	KRIT1, ankyrin repeat containing (Krit1), mRNA.	Mme-M200014020	ILMN_1257268	0	0
52705	Krr1	-0.011	-0.114	0.072	0	0	0	0	0	0	NM_178610	KRR1, small subunit (SSU) processome component, homolog (yeast) (Krr1), mRNA.	Mme-M200007617	ILMN_1258846	0	0
16678	Krt1	0.003	0.012	-0.082	0	0	0	0	0	0	NM_008473	keratin 1 (Krt1), mRNA.	Mme-M200012143	ILMN_2651772	0	0
16661	Krt10	0.558	0.000	0.088	0	0	0	0	0	0	NM_010660	keratin 10 (Krt10), mRNA.	Mme-M400011055	ILMN_2849285	0	0
268482	Krt12	0.373	0.309	-0.020	0	0	0	0	0	0	NM_010661	keratin 12 (Krt12), mRNA.	Mme-M300002470	ILMN_2865527	0	0
16663	Krt13	0.437	0.046	-0.094	0	0	0	0	0	0	NM_010662	keratin 13 (Krt13), mRNA.	Mme-M200001861	ILMN_2704972	0	0
16664	Krt14	-0.125	-0.668	-0.042	0	-1	0	0	-1	0	NM_016958	keratin 14 (Krt14), mRNA.	Mme-M200002466	ILMN_2722616	0	1
16665	Krt15	-0.143	0.082	0.026	0	0	0	0	0	0	NM_008469	keratin 15 (Krt15), mRNA.	Mme-M300002468	ILMN_2858930	0	0
16666	Krt16	-0.375	0.024	-0.049	0	0	0	0	0	0	NM_008470	keratin 16 (Krt16), mRNA.	Mme-M300009980	ILMN_1229813	0	0
16667	Krt17	-0.087	0.305	-0.100	0	0	0	0	0	0	NM_010663	keratin 17 (Krt17), mRNA.	Mme-M300009975	ILMN_2661214	0	0
16668	Krt18	0.554	-0.547	-0.200	0	-1	0	0	0	0	NM_010664	keratin 18 (Krt18), mRNA.	Mme-M200004399	ILMN_2711267	0	0
16669	Krt19	0.176	-0.022	-0.064	0	0	0	0	0	0	NM_008471	keratin 19 (Krt19), mRNA.	Mme-M400000427	ILMN_2614462	0	0
16681	Krt2	-0.123	0.019	0.035	0	0	0	0	0	0	NM_010668	keratin 2 (Krt2), mRNA.	Mme-M400008594	ILMN_2751818	0	0
66809	Krt20	0.059	-0.150	-0.016	0	0	0	0	0	0	NM_023256	keratin 20 (Krt20), mRNA.	Mme-M200005808	ILMN_2907285	0	0
268481	Krt222	-0.177	-0.004	-0.223	0	0	0	0	0	0	NM_172946	keratin 222 (Krt222), mRNA.	Mme-M300010115	ILMN_2728021	0	0
94179	Krt23	-0.084	-0.493	-0.110	0	-1	0	0	0	0	NM_033373	keratin 23 (Krt23), mRNA.	Mme-M200003814	ILMN_2671165	0	0
75706	Krt24	-0.032	-0.061	0.080	0	0	0	0	0	0	NM_029393	keratin 24 (Krt24), mRNA.	Mme-M400000428	ILMN_1243795	0	0
70810	Krt25	-0.244	0.001	0.031	0	0	0	0	0	0	NM_133730	keratin 25 (Krt25), mRNA.	Mme-M200004122	ILMN_1216096	0	0
320864	Krt26	-0.231	0.042	0.037	0	0	0	0	0	0	NM_001033397	keratin 26 (Krt26), mRNA.	Mme-M400005109	ILMN_2765981	0	0
16675	Krt27	-0.115	-0.058	0.043	0	0	0	0	0	0	NM_010666	keratin 27 (Krt27), mRNA.	Mme-M200009361	ILMN_2613938	0	0
16660	Krt31	0.071	-0.188	0.005	0	0	0	0	0	0	NM_010659	keratin 31 (Krt31), mRNA.	Mme-M200003731	ILMN_2622235	0	0
16670	Krt32	-0.386	-0.001	0.027	0	0	0	0	0	0	NM_010665	keratin 32 (Krt32), mRNA.	Mme-M300017018	ILMN_2895346	0	0
71888	Krt33a	-0.050	0.055	-0.018	0	0	0	0	0	0	NM_027983	keratin 33A (Krt33a), mRNA.	Mme-M200009419	ILMN_1235868	0	0
16671	Krt33b	-0.154	-0.103	-0.057	0	0	0	0	0	0	XM_904709	PREDICTED: keratin 33B (Krt33b), mRNA.	Mme-M400006037	ILMN_2719704	0	0
16672	Krt34	-0.039	0.104	-0.054	0	0	0	0	0	0	NM_027563	keratin 34 (Krt34), mRNA.	Mme-M400002758	ILMN_2611658	0	0
53617	Krt35	-0.067	-0.024	0.124	0	0	0	0	0	0	NM_016880	keratin 35 (Krt35), mRNA.	Mme-M300018840	ILMN_1214459	0	0
16673	Krt36	-0.035	-0.090	0.069	0	0	0	0	0	0	NR_003957	keratin 36 (Krt36) on chromosome 11.	Mme-M400000429	ILMN_2985042	0	0
237934	Krt39	-0.232	0.095	0.086	0	0	0	0	0	0	NM_213730	keratin 39 (Krt39), mRNA.	Mme-M400008576	ILMN_2699061	0	0
16682	Krt4	-0.042	-0.040	-0.064	0	0	0	0	0	0	NM_008475	keratin 4 (Krt4), mRNA.	Mme-M200001892	ILMN_2621930	0	0
406221	Krt40	-0.285	-0.053	0.023	0	0	0	0	0	0	NM_001039666	keratin 40 (Krt40), mRNA.	Mme-M400007722	ILMN_2856320	0	0
68239	Krt42	-0.064	0.106	-0.080	0	0	0	0	0	0	NM_212483	keratin 42 (Krt42), mRNA.	Mme-M300009979	ILMN_2697643	0	0
110308	Krt5	-0.382	0.118	0.020	0	0	0	0	0	0	NM_027011	keratin 5 (Krt5), mRNA.	Mme-M400011590	ILMN_2740939	0	0
16687	Krt6a	0.005	-0.062	-0.052	0	0	0	0	0	0	NM_008476	keratin 6A (Krt6a), mRNA.	Mme-M400006296	ILMN_2738369	0	0
16688	Krt6b	-0.405	0.084	0.030	0	0	0	0	0	0	NM_010669	keratin 6B (Krt6b), mRNA.	Mme-M300003645	ILMN_1235713	0	0
110310	Krt7	0.379	-0.027	-0.087	0	0	0	0	0	0	NM_033073	keratin 7 (Krt7), mRNA.	Mme-M200006861	ILMN_2961152	0	0
56735	Krt71	-0.088	-0.051	0.031	0	0	0	0	0	0	NM_019956	keratin 71 (Krt71), mRNA.	Mme-M200016017	ILMN_2828009	0	0
105866	Krt72	-0.081	-0.008	-0.015	0	0	0	0	0	0	NM_213728	keratin 72 (Krt72), mRNA.	Mme-M400005563	ILMN_2751325	0	0
223915	Krt73	0.099	0.103	-0.056	0	0	0	0	0	0	NM_212485	keratin 73 (Krt73), mRNA.	Mme-M400008361	ILMN_2646916	0	0
406222	Krt74	-0.175	0.049	-0.011	0	0	0	0	0	0	NM_001003669	keratin 74 (Krt74), mRNA.	Mme-M400010707	ILMN_3161215	0	0
109052	Krt75	0.049	0.151	0.209	0	0	0	0	0	0	NM_133357	keratin 75 (Krt75), mRNA.	Mme-M300003618	ILMN_2679759	0	0
406220	Krt77	-0.170	0.114	-0.071	0	0	0	0	0	0	NM_001003667	keratin 77 (Krt77), mRNA.	Mme-M400010706	ILMN_3160227	0	0
332131	Krt78	0.092	-0.069	-0.038	0	0	0	0	0	0	NM_212487	keratin 78 (Krt78), mRNA.	Mme-M400013342	ILMN_2941239	0	0
223917	Krt79	-0.141	-0.524	0.006	0	-1	0	0	0	0	NM_146063	keratin 79 (Krt79), mRNA.	Mme-M200011605	ILMN_2674304	0	0
16691	Krt8	0.686	-0.743	-0.308	1	-1	-1	0	-1	0	NM_031170	keratin 8 (Krt8), mRNA.	Mme-M400011714	ILMN_1221157	0	1
74127	Krt80	0.116	-0.074	-0.058	0	0	0	0	0	0	NM_028770	keratin 80 (Krt80), mRNA.	Mme-M300014589	ILMN_2865335	0	0
114566	Krt82	-0.082	-0.045	0.105	0	0	0	0	0	0	NM_053249	keratin 82 (Krt82), mRNA.	Mme-M300020289	ILMN_2927369	0	0
406219	Krt83	-0.803	0.039	-0.031	-1	0	0	0	0	0	NM_001003668	keratin 83 (Krt83), mRNA.	Mme-M300003641	ILMN_2820127	0	0
16680	Krt84	-0.148	0.010	0.033	0	0	0	0	0	0	NM_008474	keratin 84 (Krt84), mRNA.	Mme-M300015321	ILMN_2739740	0	0
16679	Krt86	-0.298	0.108	-0.103	0	0	0	0	0	0	NM_010667	keratin 86 (Krt86), mRNA.	Mme-M300003640	ILMN_2635325	0	0
107656	Krt9	0.029	0.143	0.017	0	0	0	0	0	0	NM_201255	keratin 9 (Krt9), mRNA.	Mme-M300022235	ILMN_2748165	0	0
544710	Krtap10-10	-0.271	0.039	0.024	0	0	0	0	0	0	NM_001024709	predicted gene, EG544710 (EG544710), mRNA.	Mme-M400004205	ILMN_1257400	0	0
16693	Krtap11-1	-0.421	-0.028	0.047	0	0	0	0	0	0	NM_001113406	keratin associated protein 11-1 (Krtap11-1), mRNA.	Mme-M400007368	ILMN_2672044	0	0
16694	Krtap12-1	-0.075	0.056	0.105	0	0	0	0	0	0	NM_010670	keratin associated protein 12-1 (Krtap12-1), mRNA.	Mme-M400011058	ILMN_2650094	0	0
16699	Krtap13	-0.103	0.040	-0.044	0	0	0	0	0	0	NM_010671	keratin associated protein 13 (Krtap13), mRNA.	Mme-M300020932	ILMN_2628157	0	0
268905	Krtap13-1	-0.139	-0.003	0.104	0	0	0	0	0	0	NM_183189	keratin associated protein 13-1 (Krtap13-1), mRNA.	Mme-M300021008	ILMN_2657135	0	0
23927	Krtap14	0.089	0.067	-0.003	0	0	0	0	0	0	NM_013707	keratin associated protein 14 (Krtap14), mRNA.	Mme-M400003823	ILMN_2711452	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
26560	Krtap15	-0.074	0.026	0.038	0	0	0	0	0	0	NM_013713	keratin associated protein 15 (Krtap15), mRNA.	Mme-M300003588	ILMN_1236982	0	0
69664	Krtap1-5	-0.486	0.015	0.033	0	0	0	0	0	0	NM_027157	RIKEN cDNA 2310043L02 gene (2310043L02Rik), mRNA.	Mme-M400003280	ILMN_1257063	0	0
71369	Krtap16-3	-0.279	-0.102	0.015	0	0	0	0	0	0	NM_183296	keratin associated protein 16-10 (Krtap16-10), mRNA.	Mme-M400012555	ILMN_1228660	0	0
77914	Krtap17-1	-0.256	0.084	0.070	0	0	0	0	0	0	NM_001099774	keratin associated protein 17-1 (Krtap17-1), mRNA.	Mme-M400008352	ILMN_2458087	0	0
170657	Krtap19-1	-0.322	0.068	-0.044	0	0	0	0	0	0	NM_130876	keratin associated protein 16-9 (Krtap16-9), mRNA.	Mme-M400009007	ILMN_2437012	0	0
170651	Krtap19-2	-0.015	-0.002	-0.015	0	0	0	0	0	0	NM_130870	keratin associated protein 16-1 (Krtap16-1), mRNA.	Mme-M400006010	ILMN_2609044	0	0
77918	Krtap19-3	-0.356	0.111	-0.011	0	0	0	0	0	0	NM_130857	keratin associated protein 16-5 (Krtap16-5), mRNA.	Mme-M400009008	ILMN_1226741	0	0
170654	Krtap19-4	0.332	0.038	-0.087	0	0	0	0	0	0	NM_130873	keratin associated protein 16-4 (Krtap16-4), mRNA.	Mme-M400002828	ILMN_2645563	0	0
16704	Krtap19-5	-0.160	0.034	-0.001	0	0	0	0	0	0	NM_010676	keratin associated protein 8-2 (Krtap8-2), mRNA.	Mme-M400003893	ILMN_2594119	0	0
170939	Krtap19-9b	-0.074	-0.104	0.012	0	0	0	0	0	0	NM_133359	cDNA sequence AY026312 (AY026312), mRNA.	Mme-M400003448	ILMN_2851218	0	0
170656	Krtap21-1	-0.132	0.025	-0.036	0	0	0	0	0	0	NM_028621	keratin associated protein 16-7 (Krtap16-7), mRNA.	Mme-M400006305	ILMN_2724096	0	0
68740	Krtap22-2	-0.023	0.036	0.020	0	0	0	0	0	0	XM_897249	PREDICTED: RIKEN cDNA 1110032D16 gene (1110032D16Rik), mRNA.	Mme-M400013002	ILMN_2474195	0	0
239932	Krtap24-1	0.075	0.002	-0.042	0	0	0	0	0	0	XM_977282	PREDICTED: gene model 312, (NCBI) (Gm312), mRNA.	Mme-M300020943	ILMN_2530118	0	0
69533	Krtap26-1	-0.341	-0.057	0.059	0	0	0	0	0	0	NM_027105	keratin associated protein 26-1 (Krtap26-1), mRNA.	Mme-M200007035	ILMN_2796595	0	0
71386	Krtap28-13	-0.083	-0.032	0.034	0	0	0	0	0	0	XM_896507	PREDICTED: RIKEN cDNA 5530401N06 gene (5530401N06Rik), mRNA.	Mme-M400008653	ILMN_2523891	0	0
69473	Krtap3-1	-0.229	0.011	-0.015	0	0	0	0	0	0	XM_894811	PREDICTED: keratin associated protein 3-1 (Krtap3-1), mRNA.	Mme-M300018408	ILMN_2477669	0	0
70831	Krtap31-1	-0.387	-0.083	-0.052	0	0	0	0	0	0	NM_027568	RIKEN cDNA 4733401H21 gene (4733401H21Rik), mRNA.	Mme-M400003829	ILMN_2597968	0	0
66708	Krtap3-2	0.044	0.002	-0.050	0	0	0	0	0	0	NM_025720	keratin associated protein 3-2 (Krtap3-2), mRNA.	Mme-M400011508	ILMN_2708243	0	0
665891	Krtap4-1	-0.336	0.122	-0.093	0	0	0	0	0	0	NM_001048196	RIKEN cDNA A030010K20 gene (A030010K20Rik), mRNA.	Mme-M400008173	ILMN_2937333	0	0
69464	Krtap4-13	-0.407	0.061	-0.074	0	0	0	0	0	0	NM_027087	RIKEN cDNA 2300006N05 gene (2300006N05Rik), mRNA.	Mme-M400003401	ILMN_2614202	0	0
435285	Krtap4-16	-0.529	0.028	0.039	0	0	0	0	0	0	NM_001013823	predicted gene, OTTMUSG00000002196 (OTTMUSG00000002196), mRNA.	Mme-M400003173	ILMN_3160339	0	0
68673	Krtap4-2	-0.310	0.027	0.062	0	0	0	0	0	0	NM_026807	RIKEN cDNA 1110033F04 gene (1110033F04Rik), mRNA.	Mme-M400002922	ILMN_2648134	0	0
68768	Krtap4-6	-0.207	0.034	0.035	0	0	0	0	0	0	NM_026834	RIKEN cDNA 1110054P19 gene (1110054P19Rik), mRNA.	Mme-M400012828	ILMN_2732033	0	0
76444	Krtap4-7	-0.342	0.022	0.063	0	0	0	0	0	0	NM_029613	keratin associated protein 4-7 (Krtap4-7), mRNA.	Mme-M400002982	ILMN_2682462	0	0
71623	Krtap5-2	-0.451	0.070	0.091	0	0	0	0	0	0	NM_027844	keratin associated protein 5-2 (Krtap5-2), mRNA.	Mme-M400004931	ILMN_2800530	0	0
50775	Krtap5-4	-0.349	-0.066	-0.062	0	0	0	0	0	0	NM_015809	keratin associated protein 5-4 (Krtap5-4), mRNA.	Mme-M400003004	ILMN_2817498	0	0
16700	Krtap6-1	-0.103	-0.072	-0.034	0	0	0	0	0	0	NM_010672	keratin associated protein 6-1 (Krtap6-1), mRNA.	Mme-M400012800	ILMN_2694230	0	0
16701	Krtap6-2	-0.312	0.054	0.067	0	0	0	0	0	0	NM_010673	keratin associated protein 6-2 (Krtap6-2), mRNA.	Mme-M400007836	ILMN_2795861	0	0
68484	Krtap6-5	-0.340	0.056	-0.053	0	0	0	0	0	0	NM_130856	keratin associated protein 16-8 (Krtap16-8), mRNA.	Mme-M400009009	ILMN_2905513	0	0
16705	Krtap9-1	-0.296	-0.024	-0.107	0	0	0	0	0	0	NM_015741	keratin associated protein 9-1 (Krtap9-1), mRNA.	Mme-M400006983	ILMN_2648153	0	0
75586	Krtap9-3	-0.038	-0.052	-0.026	0	0	0	0	0	0	NM_029351	RIKEN cDNA 2310040M23 gene (2310040M23Rik), mRNA.	Mme-M400003606	ILMN_1235009	0	0
66059	Krtcap2	0.138	0.000	-0.128	0	0	0	0	0	0	NM_025327	keratinocyte associated protein 2 (Krtcap2), mRNA.	Mme-M200011846	ILMN_2605694	0	0
69815	Krtcap3	0.209	-0.031	-0.198	0	0	0	0	0	0	NM_027221	keratinocyte associated protein 3 (Krtcap3), mRNA.	Mme-M200007797	ILMN_2859518	0	0
16706	Ksr1	-0.114	0.124	-0.052	0	0	0	0	0	0	NM_013571	kinase suppressor of ras 1 (Ksr1), mRNA.	Mme-M200001928	ILMN_2849036	0	0
333050	Ksr2	-0.068	-0.072	-0.091	0	0	0	0	0	0	NM_001114545	kinase suppressor of ras 2 (Ksr2), transcript variant 1, mRNA.	Mme-M400007438	ILMN_1221857	0	0
100087	Kti12	0.295	-0.256	-0.050	0	0	0	0	0	0	NM_029571	KTI12 homolog, chromatin associated (S. cerevisiae) (Kti12), mRNA.	Mme-M400011679	ILMN_2599412	0	0
16709	Ktn1	0.158	0.088	0.054	0	0	0	0	0	0	NM_008477	kinectin 1 (Ktn1), mRNA.	Mme-M200001192	ILMN_2700222	0	0
16716	Ky	0.560	0.673	-0.492	0	1	-1	0	1	-1	NM_024291	kyphoscoliosis peptidase (Ky), mRNA.	Mme-M400011461	ILMN_2906855	1	1
70789	Kynu	-0.192	0.221	0.053	0	0	0	0	0	0	NM_027552	kynureninase (L-kynurenine hydrolase) (Kynu), mRNA.	Mme-M300005362	ILMN_1214750	0	0
16728	L1cam	-0.195	-0.037	0.049	0	0	0	0	0	0	NM_008478	L1 cell adhesion molecule (L1cam), mRNA.	Mme-M200014961	ILMN_3163582	0	0
381591	L1td1	-0.065	0.037	0.036	0	0	0	0	0	0	NM_001081202	LINE-1 type transposase domain containing 1 (L1td1), mRNA.	Mme-M400007286	ILMN_2961042	0	0
217666	L2hgdh	0.211	-0.118	0.060	0	0	0	0	0	0	NM_145443	L-2-hydroxyglutarate dehydrogenase (L2hgdh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008509	ILMN_2999167	0	0
67217	L3hypdh	0.236	0.012	0.032	0	0	0	0	0	0	NM_026038	RIKEN cDNA 2810055F11 gene (2810055F11Rik), mRNA.	Mme-M300001807	ILMN_1230505	0	0
241764	L3mbtl1	-0.542	0.020	-0.020	0	0	0	0	0	0	NM_001081338	l(3)mbt-like (Drosophila) (L3mbtl), mRNA.	Mme-M300009991	ILMN_3090844	0	0
214669	L3mbtl2	-0.042	0.163	-0.053	0	0	0	0	0	0	NM_145993	l(3)mbt-like 2 (Drosophila) (L3mbtl2), mRNA.	Mme-M300003261	ILMN_1256203	0	0
237339	L3mbtl3	-0.105	-0.104	-0.032	0	0	0	0	0	0	NM_172787	l(3)mbt-like 3 (Drosophila) (L3mbtl3), mRNA.	Mme-M400012243	ILMN_2815479	0	0
320858	L3mbtl4	-0.280	-0.064	0.021	0	0	0	0	0	0	NM_177278	l(3)mbt-like 4 (Drosophila) (L3mbtl4), mRNA.	Mme-M300019649	ILMN_1246511	0	0
67669	l7Rn6	0.133	0.167	-0.033	0	0	0	0	0	0	NM_026304	lethal, Chr 7, Rinchik 6 (l7Rn6), mRNA.	Mme-M300007331	ILMN_3162224	0	0
210808	Lacc1	-0.095	0.004	0.007	0	0	0	0	0	0	NM_172488	RIKEN cDNA 9030625A04 gene (9030625A04Rik), mRNA.	Mme-M300015374	ILMN_2949217	0	0
215951	Lace1	-0.015	0.011	-0.074	0	0	0	0	0	0	NM_145743	lactation elevated 1 (Lace1), mRNA.	Mme-M200016009	ILMN_1231795	0	0
80907	Lactb	-0.088	0.062	-0.012	0	0	0	0	0	0	NM_030717	lactamase, beta (Lactb), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009964	ILMN_2641150	0	0
212442	Lactb2	-0.060	0.003	0.001	0	0	0	0	0	0	NM_145381	lactamase, beta 2 (Lactb2), mRNA.	Mme-M200016003	ILMN_2699921	0	0
16763	Lad1	0.097	-0.025	-0.020	0	0	0	0	0	0	NM_133664	ladinin (Lad1), mRNA.	Mme-M200007885	ILMN_1227260	0	0
16768	Lag3	-0.147	0.290	0.166	0	0	0	0	0	0	NM_008479	lymphocyte-activation gene 3 (Lag3), mRNA.	Mme-M200001796	ILMN_2719811	0	0
66192	Lage3	0.380	0.098	-0.113	0	0	0	0	0	0	NM_025410	L antigen family, member 3 (Lage3), mRNA.	Mme-M300001393	ILMN_2679532	0	0
52855	Lair1	0.346	0.038	0.087	0	0	0	0	0	0	NM_178611	leukocyte-associated Ig-like receptor 1 (Lair1), transcript variant b, mRNA.	Mme-M200009150	ILMN_2621296	0	0
16770	Lalba	-0.058	-0.054	-0.008	0	0	0	0	0	0	NM_010679	lactalbumin, alpha (Lalba), mRNA.	Mme-M200002133	ILMN_2676107	0	0
16772	Lama1	-0.210	-0.275	-0.023	0	0	0	0	0	0	NM_008480	laminin, alpha 1 (Lama1), mRNA.	Mme-M200000088	ILMN_2973288	0	0
16773	Lama2	-0.127	-0.045	-0.055	0	0	0	0	0	0	NM_008481	laminin, alpha 2 (Lama2), mRNA.	Mme-M300001880	ILMN_2769479	0	0
16774	Lama3	-0.129	-0.281	-0.063	0	0	0	0	0	0	XM_140451	PREDICTED: laminin, alpha 3, transcript variant 1 (Lama3), mRNA.	Mme-M300004117	ILMN_2752545	0	0
16775	Lama4	-0.053	-0.066	-0.048	0	0	0	0	0	0	NM_010681	laminin, alpha 4 (Lama4), mRNA.	Mme-M200000901	ILMN_2816565	0	0
16776	Lama5	0.166	0.123	-0.030	0	0	0	0	0	0	NM_001081171	laminin, alpha 5 (Lama5), mRNA.	Mme-M200001689	ILMN_2640248	0	0
16777	Lamb1	-0.058	0.061	0.135	0	0	0	0	0	0	NM_008482	laminin B1 subunit 1 (Lamb1-1), mRNA.	Mme-M300000345	ILMN_1253659	0	0
16779	Lamb2	0.193	0.051	-0.100	0	0	0	0	0	0	NM_008483	laminin, beta 2 (Lamb2), mRNA.	Mme-M400004275	ILMN_2699488	0	0
16780	Lamb3	0.073	0.185	-0.232	0	0	0	0	0	0	NM_008484	laminin, beta 3 (Lamb3), mRNA.	Mme-M200001921	ILMN_2605512	0	0
226519	Lamc1	0.212	-0.092	-0.034	0	0	0	0	0	0	NM_010683	laminin, gamma 1 (Lamc1), mRNA.	Mme-M400000931	ILMN_2774596	0	0
16782	Lamc2	0.325	0.057	-0.271	0	0	0	0	0	0	NM_008485	laminin, gamma 2 (Lamc2), mRNA.	Mme-M300005131	ILMN_2775307	0	0
23928	Lamc3	0.087	-0.291	-0.080	0	0	0	0	0	0	NM_011836	laminin gamma 3 (Lamc3), mRNA.	Mme-M200015942	ILMN_3115441	0	0
16783	Lamp1	0.052	-0.007	-0.080	0	0	0	0	0	0	NM_010684	lysosomal-associated membrane protein 1 (Lamp1), mRNA.	Mme-M200003455	ILMN_1237208	0	0
16784	Lamp2	0.289	-0.245	0.063	0	0	0	0	0	0	NM_010685	lysosomal-associated membrane protein 2 (Lamp2), transcript variant 2, mRNA.	Mme-M300001525	ILMN_1217454	0	0
239739	Lamp3	-0.122	0.105	-0.082	0	0	0	0	0	0	NM_177356	lysosomal-associated membrane protein 3 (Lamp3), mRNA.	Mme-M300013083	ILMN_2745680	0	0
76161	Lamp5	0.982	1.570	0.026	1	1	0	1	1	0	NM_029530	RIKEN cDNA 6330527O06 gene (6330527O06Rik), mRNA.	Mme-M400011677	ILMN_1252349	2	0
66508	Lamtor1	0.115	0.045	-0.173	0	0	0	0	0	0	NM_025605	RIKEN cDNA 2400001E08 gene (2400001E08Rik), mRNA.	Mme-M400009111	ILMN_2673380	0	0
83409	Lamtor2	0.147	-0.134	-0.050	0	0	0	0	0	0	NM_031248	mitogen-activated protein binding protein interacting protein (Mapbpip), mRNA.	Mme-M300005918	ILMN_1244381	0	0
56692	Lamtor3	0.246	0.052	0.055	0	0	0	0	0	0	NM_019920	mitogen-activated protein kinase kinase 1 interacting protein 1 (Map2k1ip1), mRNA.	Mme-M400006612	ILMN_1230008	0	0
66096	Lamtor4	0.085	0.102	-0.083	0	0	0	0	0	0	NM_001081108	RIKEN cDNA 0910001L09 gene (0910001L09Rik), mRNA.	Mme-M200021242	ILMN_2621882	0	0
14768	Lancl1	-0.063	0.127	-0.091	0	0	0	0	0	0	NM_021295	LanC (bacterial lantibiotic synthetase component C)-like 1 (Lancl1), mRNA.	Mme-M300004879	ILMN_2898832	0	0
71835	Lancl2	-0.300	-0.003	-0.066	0	0	0	0	0	0	NM_133737	LanC (bacterial lantibiotic synthetase component C)-like 2 (Lancl2), mRNA.	Mme-M200005221	ILMN_1231651	0	0
236285	Lancl3	-0.096	-0.029	0.011	0	0	0	0	0	0	NM_173414	LanC lantibiotic synthetase component C-like 3 (bacterial) (Lancl3), mRNA.	Mme-M300018192	ILMN_1221225	0	0
100470	Lao1	0.080	-0.059	-0.080	0	0	0	0	0	0	NM_133892	L-amino acid oxidase 1 (Lao1), mRNA.	Mme-M200005327	ILMN_2873070	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66988	Lap3	0.437	-0.034	-0.015	0	0	0	0	0	0	NM_024434	leucine aminopeptidase 3 (Lap3), mRNA.	Mme-M200007665	ILMN_2684552	0	0
17775	Laptm4a	0.036	0.367	-0.052	0	0	0	0	0	0	NM_008640	lysosomal-associated protein transmembrane 4A (Laptm4a), mRNA.	Mme-M200006820	ILMN_1254173	0	0
114128	Laptm4b	-0.057	0.119	0.091	0	0	0	0	0	0	NM_033521	lysosomal-associated protein transmembrane 4B (Laptm4b), mRNA.	Mme-M200012808	ILMN_2754074	0	0
16792	Laptm5	0.246	0.223	0.189	0	0	0	0	0	0	NM_010686	lysosomal-associated protein transmembrane 5 (Laptm5), mRNA.	Mme-M200001807	ILMN_1217849	0	0
16795	Large	0.001	-0.251	0.066	0	0	0	0	0	0	NM_010687	like-glycosyltransferase (Large), mRNA.	Mme-M300000554	ILMN_1249514	0	0
73158	Larp1	0.205	0.135	0.079	0	0	0	0	0	0	XM_905029	PREDICTED: La ribonucleoprotein domain family, member 1 (Larp1), mRNA.	Mme-M300010862	ILMN_2759884	0	0
214048	Larp1b	0.170	-0.230	0.027	0	0	0	0	0	0	NM_001040399	La ribonucleoprotein domain family, member 2 (Larp2), mRNA.	Mme-M300011145	ILMN_2701779	0	0
207214	Larp4	0.148	-0.098	-0.103	0	0	0	0	0	0	NM_001024526	La ribonucleoprotein domain family, member 4 (Larp4), transcript variant 1, mRNA.	Mme-M400016741	ILMN_3021547	0	0
217980	Larp4b	0.054	-0.078	-0.294	0	0	0	0	0	0	NM_172585	La ribonucleoprotein domain family, member 5 (Larp5), mRNA.	Mme-M400001563	ILMN_2756286	0	0
67557	Larp6	-0.416	-0.203	-0.098	0	0	0	0	0	0	NM_026235	La ribonucleoprotein domain family, member 6 (Larp6), mRNA.	Mme-M200007805	ILMN_1219564	0	0
28036	Larp7	-0.137	0.071	0.097	0	0	0	0	0	0	NM_138593	La ribonucleoprotein domain family, member 7 (Larp7), mRNA.	Mme-M200013467	ILMN_2636456	0	0
107045	Lars	0.136	-0.111	0.142	0	0	0	0	0	0	NM_134137	leucyl-tRNA synthetase (Lars), mRNA.	Mme-M300004173	ILMN_2544674	0	0
102436	Lars2	0.067	0.068	0.048	0	0	0	0	0	0	NM_153168	leucyl-tRNA synthetase, mitochondrial (Lars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300009774	ILMN_2737296	0	0
76130	Las1l	0.081	0.194	0.087	0	0	0	0	0	0	NM_152822	LAS1-like (S. cerevisiae) (Las1l), mRNA.	Mme-M200005425	ILMN_1225876	0	0
16796	Lasp1	-0.090	0.292	-0.119	0	0	0	0	0	0	NM_010688	LIM and SH3 protein 1 (Lasp1), mRNA.	Mme-M200012930	ILMN_2879746	0	0
16797	Lat	-0.183	0.112	0.349	0	0	1	0	0	0	NM_010689	linker for activation of T cells (Lat), mRNA.	Mme-M200002909	ILMN_2660551	0	0
56743	Lat2	0.143	0.460	0.193	0	1	0	0	0	0	NM_022964	linker for activation of T cells family, member 2 (Lat2), transcript variant 2, mRNA.	Mme-M400002434	ILMN_3143483	0	0
16798	Lats1	0.167	-0.292	-0.089	0	0	0	0	0	0	NM_010690	large tumor suppressor (Lats1), mRNA.	Mme-M400008702	ILMN_1216117	0	0
50523	Lats2	0.070	0.001	-0.078	0	0	0	0	0	0	NM_015771	large tumor suppressor 2 (Lats2), mRNA.	Mme-M400000530	ILMN_2771735	0	0
240754	Lax1	0.135	0.053	0.159	0	0	0	0	0	0	NM_172842	lymphocyte transmembrane adaptor 1 (Lax1), mRNA.	Mme-M400003961	ILMN_2668455	0	0
244864	Layn	0.138	0.189	-0.003	0	0	0	0	0	0	XM_917279	PREDICTED: layilin (Layn), mRNA.	Mme-M300010492	ILMN_1257873	0	0
77889	Lbh	-0.018	0.288	0.207	0	0	0	0	0	0	NM_029999	limb-bud and heart (Lbh), mRNA.	Mme-M200011966	ILMN_1233545	0	0
16803	Lbp	0.600	0.136	-0.307	0	0	-1	0	0	0	NM_008489	lipopolysaccharide binding protein (Lbp), mRNA.	Mme-M400000246	ILMN_2771237	0	0
98386	Lbr	0.094	0.017	0.188	0	0	0	0	0	0	NM_133815	lamin B receptor (Lbr), mRNA.	Mme-M200001798	ILMN_2733120	0	0
16814	Lbx1	-0.043	0.085	-0.004	0	0	0	0	0	0	NM_010691	ladybird homeobox homolog 1 (Drosophila) (Lbx1), mRNA.	Mme-M400000806	ILMN_2830970	0	0
16815	Lbx2	-0.117	-0.048	-0.004	0	0	0	0	0	0	NM_010692	ladybird homeobox homolog 2 (Drosophila) (Lbx2), mRNA.	Mme-M200003874	ILMN_1258787	0	0
75782	Lca5	0.458	0.025	-0.147	0	0	0	0	0	0	NM_029434	Leber congenital amaurosis 5 (human) (Lca5), transcript variant 1, mRNA.	Mme-M200009114	ILMN_1219153	0	0
385668	Lca5l	0.099	0.038	0.011	0	0	0	0	0	0	NM_001001492	Leber congenital amaurosis 5-like (Lca5l), mRNA.	Mme-M300016243	ILMN_2633912	0	0
16816	Lcat	0.081	0.361	-0.079	0	0	0	0	0	0	NM_008490	lecithin cholesterol acyltransferase (Lcat), mRNA.	Mme-M200000643	ILMN_2798402	0	0
67127	Lce1a1	-0.067	0.005	0.042	0	0	0	0	0	0	NM_025984	late cornified envelope 1A1 (Lce1a1), mRNA.	Mme-M200010001	ILMN_1234820	0	0
73722	Lce1a2	-0.045	-0.029	-0.007	0	0	0	0	0	0	NM_028625	late cornified envelope 1A2 (Lce1a2), mRNA.	Mme-M400001040	ILMN_2731819	0	0
68720	Lce1b	-0.091	0.134	-0.007	0	0	0	0	0	0	NM_026822	late cornified envelope 1B (Lce1b), mRNA.	Mme-M200013810	ILMN_2872965	0	0
73719	Lce1c	-0.356	-0.003	-0.009	0	0	0	0	0	0	NM_028622	late cornified envelope 1C (Lce1c), mRNA.	Mme-M200014500	ILMN_1237529	0	0
69611	Lce1d	-0.316	0.059	0.061	0	0	0	0	0	0	NM_027137	late cornified envelope 1D (Lce1d), mRNA.	Mme-M200011800	ILMN_1239166	0	0
68694	Lce1e	-0.041	0.059	-0.087	0	0	0	0	0	0	NM_026811	late cornified envelope 1E (Lce1e), mRNA.	Mme-M400011581	ILMN_1258290	0	0
67828	Lce1f	-0.458	0.000	-0.077	0	0	0	0	0	0	NM_026394	late cornified envelope 1F (Lce1f), mRNA.	Mme-M400002581	ILMN_2593523	0	0
66195	Lce1g	-0.076	-0.066	0.078	0	0	0	0	0	0	NM_025413	late cornified envelope 1G (Lce1g), mRNA.	Mme-M200009977	ILMN_1244317	0	0
67718	Lce1h	-0.818	-0.026	-0.105	-1	0	0	0	0	0	NM_026335	late cornified envelope 1H (Lce1h), mRNA.	Mme-M400003578	ILMN_1243087	0	0
76585	Lce1i	-0.070	-0.037	-0.143	0	0	0	0	0	0	NM_029667	late cornified envelope 1I (Lce1i), mRNA.	Mme-M400011684	ILMN_1220831	0	0
73730	Lce1l	-0.367	-0.056	0.077	0	0	0	0	0	0	NM_028628	late cornified envelope 1L (Lce1l), mRNA.	Mme-M200007875	ILMN_1215878	0	0
66203	Lce1m	-0.325	-0.047	-0.099	0	0	0	0	0	0	NM_025420	late cornified envelope 1M (Lce1m), mRNA.	Mme-M400011481	ILMN_2707612	0	0
66344	Lce3b	-0.301	0.092	-0.053	0	0	0	0	0	0	NM_025501	late cornified envelope 3B (Lce3b), mRNA.	Mme-M200012841	ILMN_2621158	0	0
94060	Lce3c	-0.438	-0.011	-0.012	0	0	0	0	0	0	NM_033175	late cornified envelope 3C (Lce3c), mRNA.	Mme-M400003040	ILMN_2753750	0	0
69520	Lce3f	0.006	-0.009	0.038	0	0	0	0	0	0	NM_001018079	late cornified envelope 3F (Lce3f), mRNA.	Mme-M400004773	ILMN_2610594	0	0
16818	Lck	-0.219	0.521	0.317	0	1	1	0	0	0	NM_010693	lymphocyte protein tyrosine kinase (Lck), mRNA.	Mme-M300000069	ILMN_2651137	0	0
225010	Lclat1	-0.070	-0.019	-0.011	0	0	0	0	0	0	NM_001081071	lysocardiolipin acyltransferase (Lycat), mRNA.	Mme-M400004821	ILMN_1218583	0	0
30949	Lcmt1	0.052	-0.085	-0.099	0	0	0	0	0	0	NM_025304	leucine carboxyl methyltransferase 1 (Lcmt1), mRNA.	Mme-M200006022	ILMN_2758728	0	0
332578	Lcn10	-0.095	-0.038	-0.069	0	0	0	0	0	0	NM_178036	lipocalin 10 (Lcn10), mRNA.	Mme-M300018203	ILMN_1213917	0	0
77701	Lcn12	-0.032	-0.067	0.034	0	0	0	0	0	0	NM_029958	lipocalin 12 (Lcn12), mRNA.	Mme-M200016178	ILMN_2660461	0	0
16819	Lcn2	0.119	0.248	0.296	0	0	0	0	0	0	NM_008491	lipocalin 2 (Lcn2), mRNA.	Mme-M300005305	ILMN_2712075	0	0
16820	Lcn3	-0.443	0.014	0.069	0	0	0	0	0	0	NM_010694	lipocalin 3 (Lcn3), mRNA.	Mme-M200001850	ILMN_1236379	0	0
16821	Lcn4	-0.236	-0.008	-0.098	0	0	0	0	0	0	NM_010695	lipocalin 4 (Lcn4), mRNA.	Mme-M200002129	ILMN_3005154	0	0
13863	Lcn5	-0.251	-0.061	-0.007	0	0	0	0	0	0	NM_007947	lipocalin 5 (Lcn5), transcript variant 1, mRNA.	Mme-M200003155	ILMN_2588852	0	0
620709	Lcn6	0.188	0.019	-0.003	0	0	0	0	0	0	NM_177840	lipocalin 6 (Lcn6), mRNA.	Mme-M300016620	ILMN_2704962	0	0
78076	Lcn8	0.139	-0.010	0.003	0	0	0	0	0	0	NM_033145	lipocalin 8 (Lcn8), mRNA.	Mme-M200012770	ILMN_2733045	0	0
77704	Lcn9	-0.376	0.005	-0.001	0	0	0	0	0	0	NM_029959	lipocalin 9 (Lcn9), mRNA.	Mme-M200011360	ILMN_2734581	0	0
212391	Lcor	0.081	-0.120	0.038	0	0	0	0	0	0	NM_172154	ligand dependent nuclear receptor corepressor (Lcor), mRNA.	Mme-M300004433	ILMN_2655183	0	0
209707	Lcorl	0.223	0.061	-0.051	0	0	0	0	0	0	NM_172153	ligand dependent nuclear receptor corepressor-like (Lcorl), transcript variant 1, mRNA.	Mme-M300001470	ILMN_1238589	0	0
18826	Lcp1	-0.009	0.235	0.182	0	0	0	0	0	0	NM_008879	lymphocyte cytosolic protein 1 (Lcp1), mRNA.	Mme-M200009711	ILMN_1216871	0	0
16822	Lcp2	0.011	0.169	0.300	0	0	0	0	0	0	NM_010696	lymphocyte cytosolic protein 2 (Lcp2), mRNA.	Mme-M200000696	ILMN_1231012	0	0
226413	Lct	-0.020	-0.118	-0.002	0	0	0	0	0	0	NM_001081078	lactase (Lct), mRNA.	Mme-M400000917	ILMN_2526521	0	0
235435	Lctl	-0.076	-0.049	0.018	0	0	0	0	0	0	NM_145835	lactase-like (Lctl), mRNA.	Mme-M300008243	ILMN_1235276	0	0
16825	Ldb1	0.206	-0.180	0.061	0	0	0	0	0	0	NM_001113408	LIM domain binding 1 (Ldb1), transcript variant 1, mRNA.	Mme-M200001792	ILMN_2601907	0	0
16826	Ldb2	-0.110	0.079	-0.130	0	0	0	0	0	0	NM_010698	LIM domain binding 2 (Ldb2), transcript variant 1, mRNA.	Mme-M400009348	ILMN_3112526	0	0
24131	Ldb3	0.176	0.478	-0.115	0	1	0	0	0	0	NM_011918	LIM domain binding 3 (Ldb3), transcript variant 1, mRNA.	Mme-M300002958	ILMN_3136283	0	0
16832	Ldhb	-0.007	0.051	0.022	0	0	0	0	0	0	NM_008492	lactate dehydrogenase B (Ldhb), mRNA.	Mme-M400001245	ILMN_2660466	0	0
16833	Ldhc	-0.356	-0.073	-0.032	0	0	0	0	0	0	NM_013580	lactate dehydrogenase C (Ldhc), mRNA.	Mme-M200003448	ILMN_1248952	0	0
52815	Ldhd	-0.165	-0.037	-0.227	0	0	0	0	0	0	NM_027570	lactate dehydrogenase D (Ldhd), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300007996	ILMN_2639662	0	0
16835	Ldlr	-0.213	0.027	0.047	0	0	0	0	0	0	NM_010700	low density lipoprotein receptor (Ldlr), mRNA.	Mme-M400001436	ILMN_1221255	0	0
435811	Ldlrad2	-0.037	-0.182	-0.047	0	0	0	0	0	0	NM_001033979	low density lipoprotein receptor A domain containing 2 (Ldlrad2), mRNA.	Mme-M400005721	ILMN_2922672	0	0
241576	Ldlrad3	-0.155	-0.026	-0.008	0	0	0	0	0	0	NM_178886	low density lipoprotein receptor class A domain containing 3 (Ldlrad3), mRNA.	Mme-M300018880	ILMN_1217129	0	0
52662	Ldlrad4	0.160	-0.026	-0.106	0	0	0	0	0	0	NM_172631	DNA segment, Chr 18, ERATO Doi 653, expressed (D18Ertd653e), mRNA.	Mme-M200004298	ILMN_1227309	0	0
100017	Ldlrap1	0.013	-0.082	-0.141	0	0	0	0	0	0	NM_145554	low density lipoprotein receptor adaptor protein 1 (Ldlrap1), mRNA.	Mme-M200005569	ILMN_2606136	0	0
434784	Ldoc1	0.125	0.116	0.019	0	0	0	0	0	0	NM_001018087	leucine zipper, down-regulated in cancer 1 (Ldoc1), mRNA.	Mme-M300017591	ILMN_1226661	0	0
223732	Ldoc1l	-0.150	0.108	-0.148	0	0	0	0	0	0	NM_177630	leucine zipper, down-regulated in cancer 1-like (Ldoc1l), mRNA.	Mme-M400003140	ILMN_2596499	0	0
259301	Leap2	0.029	0.041	-0.066	0	0	0	0	0	0	NM_153069	liver-expressed antimicrobial peptide 2 (Leap2), mRNA.	Mme-M200004856	ILMN_2649275	0	0
16840	Lect1	0.078	0.047	-0.032	0	0	0	0	0	0	NM_010701	leukocyte cell derived chemotaxin 1 (Lect1), mRNA.	Mme-M200014547	ILMN_2613149	0	0
16841	Lect2	0.091	-0.006	-0.063	0	0	0	0	0	0	NM_010702	leukocyte cell-derived chemotaxin 2 (Lect2), mRNA.	Mme-M300002820	ILMN_1223634	0	0
16842	Lef1	-0.027	0.128	0.189	0	0	0	0	0	0	NM_010703	lymphoid enhancer binding factor 1 (Lef1), mRNA.	Mme-M200012924	ILMN_2648475	0	0
13590	Lefty1	-0.215	0.079	-0.064	0	0	0	0	0	0	NM_010094	left right determination factor 1 (Lefty1), mRNA.	Mme-M200000403	ILMN_1246073	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
320202	Lefty2	-0.077	0.009	0.074	0	0	0	0	0	0	NM_177099	Left-right determination factor 2 (Lefty2), mRNA.	Mme-M400012366	ILMN_2713164	0	0
224640	Lemd2	0.055	-0.137	-0.121	0	0	0	0	0	0	NM_146075	LEM domain containing 2 (Lemd2), mRNA.	Mme-M300015844	ILMN_1233040	0	0
69757	Leng1	0.248	-0.023	0.114	0	0	0	0	0	0	NM_027203	leukocyte receptor cluster (LRC) member 1 (Leng1), mRNA.	Mme-M300001812	ILMN_1234337	0	0
232798	Leng8	0.168	0.038	0.303	0	0	0	0	0	0	NM_172736	leukocyte receptor cluster (LRC) member 8 (Leng8), mRNA.	Mme-M300009973	ILMN_2655888	0	0
243813	Leng9	0.107	-0.097	-0.126	0	0	0	0	0	0	NM_175529	leukocyte receptor cluster (LRC) member 9 (Leng9), mRNA.	Mme-M300014507	ILMN_2757682	0	0
235497	Leo1	-0.128	-0.130	-0.104	0	0	0	0	0	0	NM_001039522	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) (Leo1), mRNA.	Mme-M400002640	ILMN_2533459	0	0
16846	Lep	-0.019	-0.186	-0.088	0	0	0	0	0	0	NM_008493	leptin (Lep), mRNA.	Mme-M200007594	ILMN_2695964	0	0
16847	Lepr	0.150	0.042	0.025	0	0	0	0	0	0	NM_010704	leptin receptor (Lepr), transcript variant 2, mRNA.	Mme-M400011059	ILMN_2600710	0	0
210530	Leprel1	0.020	-0.110	0.038	0	0	0	0	0	0	NM_173379	leprecan-like 1 (Leprel1), mRNA.	Mme-M300011379	ILMN_1249635	0	0
230514	Leprot	0.008	0.154	0.158	0	0	0	0	0	0	NM_175036	leptin receptor overlapping transcript (Leprot), mRNA.	Mme-M300006142	ILMN_2603568	0	0
68192	Leprotl1	-0.032	0.013	0.065	0	0	0	0	0	0	NM_026609	leptin receptor overlapping transcript-like 1 (Leprotl1), mRNA.	Mme-M200007517	ILMN_1257244	0	0
56384	Letm1	-0.148	-0.083	0.064	0	0	0	0	0	0	NM_019694	leucine zipper-EF-hand containing transmembrane protein 1 (Letm1), nuclear gene encoding mitochondrial prot	Mme-M200005378	ILMN_2921967	0	0
270035	Letm2	-0.060	-0.034	-0.074	0	0	0	0	0	0	NM_173012	leucine zipper-EF-hand containing transmembrane protein 2 (Letm2), mRNA.	Mme-M400009557	ILMN_2743072	0	0
68614	Letmd1	0.026	0.239	0.106	0	0	0	0	0	0	NM_134093	LETM1 domain containing 1 (Letmd1), mRNA.	Mme-M200012985	ILMN_2616215	0	0
16848	Lfng	0.551	0.048	0.011	0	0	0	0	0	0	NM_008494	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (Lfng), mRNA.	Mme-M200003143	ILMN_1247209	0	0
16852	Lgals1	0.094	0.178	-0.057	0	0	0	0	0	0	NM_008495	lectin, galactose binding, soluble 1 (Lgals1), mRNA.	Mme-M400010831	ILMN_2619107	0	0
56072	Lgals12	-0.011	0.086	-0.071	0	0	0	0	0	0	NM_019516	lectin, galactose binding, soluble 12 (Lgals12), mRNA.	Mme-M400000785	ILMN_2761326	0	0
107753	Lgals2	-0.171	0.063	-0.025	0	0	0	0	0	0	NM_025622	lectin, galactose-binding, soluble 2 (Lgals2), mRNA.	Mme-M300014566	ILMN_2641371	0	0
16854	Lgals3	0.312	0.165	0.035	0	0	0	0	0	0	NM_010705	lectin, galactose binding, soluble 3 (Lgals3), mRNA.	Mme-M300021033	ILMN_1223317	0	0
19039	Lgals3bp	0.505	0.577	0.105	0	1	0	0	1	0	NM_011150	lectin, galactoside-binding, soluble, 3 binding protein (Lgals3bp), mRNA.	Mme-M200001213	ILMN_1258526	1	0
16855	Lgals4	-0.545	-0.214	0.041	0	0	0	0	0	0	NM_010706	lectin, galactose binding, soluble 4 (Lgals4), mRNA.	Mme-M300000860	ILMN_2626235	0	0
16857	Lgals6	0.092	-0.075	-0.091	0	0	0	0	0	0	NM_010707	lectin, galactose binding, soluble 6 (Lgals6), mRNA.	Mme-M400011060	ILMN_2954098	0	0
16858	Lgals7	0.030	0.063	0.146	0	0	0	0	0	0	NM_008496	lectin, galactose binding, soluble 7 (Lgals7), mRNA.	Mme-M300001370	ILMN_2703181	0	0
56048	Lgals8	0.070	-0.121	0.191	0	0	0	0	0	0	NM_018886	lectin, galactose binding, soluble 8 (Lgals8), mRNA.	Mme-M300002688	ILMN_2828677	0	0
16859	Lgals9	0.221	0.432	0.297	0	1	0	0	0	0	NM_010708	lectin, galactose binding, soluble 9 (Lgals9), mRNA.	Mme-M200003577	ILMN_2752873	0	0
216551	Lgalsl	0.196	-0.035	0.127	0	0	0	0	0	0	NM_173752	RIKEN cDNA 1110067D22 gene (1110067D22Rik), mRNA.	Mme-M300013646	ILMN_1222356	0	0
56839	Lgi1	-0.151	0.117	-0.034	0	0	0	0	0	0	NM_020278	leucine-rich repeat LGI family, member 1 (Lgi1), mRNA.	Mme-M400011360	ILMN_2821730	0	0
246316	Lgi2	-0.028	-0.349	0.120	0	0	0	0	0	0	NM_144945	leucine-rich repeat LGI family, member 2 (Lgi2), mRNA.	Mme-M300012064	ILMN_2635700	0	0
213469	Lgi3	-0.139	-0.039	-0.064	0	0	0	0	0	0	NM_145219	leucine-rich repeat LGI family, member 3 (Lgi3), mRNA.	Mme-M300008852	ILMN_2994995	0	0
243914	Lgi4	0.077	0.294	0.177	0	0	0	0	0	0	NM_144556	leucine-rich repeat LGI family, member 4 (Lgi4), mRNA.	Mme-M300010436	ILMN_2639386	0	0
19141	Lgmn	0.144	0.099	0.041	0	0	0	0	0	0	NM_011175	legumain (Lgmn), mRNA.	Mme-M200003483	ILMN_2597868	0	0
107515	Lgr4	-0.152	0.053	-0.042	0	0	0	0	0	0	NM_172671	leucine-rich repeat-containing G protein-coupled receptor 4 (Lgr4), mRNA.	Mme-M300013293	ILMN_2670970	0	0
14160	Lgr5	-0.085	-0.075	-0.123	0	0	0	0	0	0	NM_010195	leucine rich repeat containing G protein coupled receptor 5 (Lgr5), mRNA.	Mme-M200013882	ILMN_2650008	0	0
329252	Lgr6	-0.327	0.158	-0.043	0	0	0	0	0	0	NM_001033409	leucine-rich repeat-containing G protein-coupled receptor 6 (Lgr6), mRNA.	Mme-M300013467	ILMN_2609505	0	0
266744	Lgsn	0.039	0.024	-0.027	0	0	0	0	0	0	NM_153601	glutamate-ammonia ligase (glutamine synthetase) domain containing 1 (Gluld1), mRNA.	Mme-M300020925	ILMN_2644906	0	0
16866	Lhb	2.040	-0.191	-0.545	1	0	-1	1	0	-1	NM_008497	luteinizing hormone beta (Lhb), mRNA.	Mme-M400002104	ILMN_2589011	1	1
16867	Lhcgr	-0.116	-0.092	-0.055	0	0	0	0	0	0	NM_013582	luteinizing hormone/choriogonadotropin receptor (Lhcgr), mRNA.	Mme-M200000661	ILMN_2710338	0	0
108927	Lhfp	-0.185	-0.096	-0.088	0	0	0	0	0	0	NM_175386	lipoma HMGIC fusion partner (Lhfp), mRNA.	Mme-M300019145	ILMN_2746887	0	0
237091	Lhfpl1	-0.078	0.047	-0.020	0	0	0	0	0	0	NM_178358	lipoma HMGIC fusion partner-like 1 (Lhfpl1), mRNA.	Mme-M300013305	ILMN_2593351	0	0
218454	Lhfpl2	-0.122	0.139	0.038	0	0	0	0	0	0	NM_172589	lipoma HMGIC fusion partner-like 2 (Lhfpl2), mRNA.	Mme-M300016280	ILMN_2721357	0	0
269629	Lhfpl3	-0.112	0.060	0.610	0	0	1	0	0	1	NM_001081231	lipoma HMGIC fusion partner-like 3 (Lhfpl3), mRNA.	Mme-M400006300	ILMN_1251250	1	0
269788	Lhfpl4	-0.523	0.095	-0.180	0	0	0	0	0	0	NM_177763	lipoma HMGIC fusion partner-like protein 4 (Lhfpl4), mRNA.	Mme-M300013966	ILMN_2481279	0	0
328789	Lhfpl5	-0.017	-0.098	0.034	0	0	0	0	0	0	NM_026571	tetraspan transmembrane protein, hair cell stereocilia (Tmhs), mRNA.	Mme-M400007746	ILMN_1234016	0	0
76429	Lhpp	0.042	0.283	0.039	0	0	0	0	0	0	NM_029609	RIKEN cDNA 2310007H09 gene (2310007H09Rik), mRNA.	Mme-M200003677	ILMN_2600720	0	0
16869	Lhx1	-0.066	-0.094	-0.137	0	0	0	0	0	0	NM_008498	LIM homeobox protein 1 (Lhx1), mRNA.	Mme-M200002063	ILMN_2716543	0	0
16870	Lhx2	-0.089	0.172	-0.022	0	0	0	0	0	0	NM_010710	LIM homeobox protein 2 (Lhx2), mRNA.	Mme-M200009425	ILMN_2722383	0	0
16871	Lhx3	0.412	0.160	-0.272	0	0	0	0	0	0	NM_001039653	LIM homeobox protein 3 (Lhx3), mRNA.	Mme-M200003389	ILMN_1260455	0	0
16872	Lhx4	-0.126	-0.061	0.040	0	0	0	0	0	0	NM_010712	LIM homeobox protein 4 (Lhx4), mRNA.	Mme-M200008560	ILMN_2770659	0	0
16873	Lhx5	-0.318	-0.023	-0.012	0	0	0	0	0	0	NM_008499	LIM homeobox protein 5 (Lhx5), mRNA.	Mme-M200002178	ILMN_1220665	0	0
16875	Lhx8	-0.451	0.138	-0.045	0	0	0	0	0	0	NM_010713	LIM homeobox protein 8 (Lhx8), mRNA.	Mme-M400011062	ILMN_2454905	0	0
16876	Lhx9	-0.070	0.016	0.101	0	0	0	0	0	0	NM_010714	LIM homeobox protein 9 (Lhx9), transcript variant 2, mRNA.	Mme-M200015531	ILMN_1245843	0	0
79464	Lias	0.133	-0.043	0.192	0	0	0	0	0	0	NM_024471	lipoic acid synthetase (Lias), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006085	ILMN_2743668	0	0
16878	Lif	0.097	0.231	0.086	0	0	0	0	0	0	NM_001039537	leukemia inhibitory factor (Lif), transcript variant 2, mRNA.	Mme-M400001693	ILMN_3137287	0	0
16880	Lifr	-0.269	0.086	-0.113	0	0	0	0	0	0	NM_013584	leukemia inhibitory factor receptor (Lifr), transcript variant 1, mRNA.	Mme-M300003111	ILMN_2829008	0	0
16881	Lig1	0.236	0.144	-0.091	0	0	0	0	0	0	NM_010715	ligase I, DNA, ATP-dependent (Lig1), transcript variant 2, mRNA.	Mme-M200000373	ILMN_2627660	0	0
16882	Lig3	-0.068	-0.153	0.219	0	0	0	0	0	0	NM_010716	ligase III, DNA, ATP-dependent (Lig3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000572	ILMN_2828819	0	0
319583	Lig4	0.019	-0.047	-0.043	0	0	0	0	0	0	NM_176953	ligase IV, DNA, ATP-dependent (Lig4), mRNA.	Mme-M300020450	ILMN_2701654	0	0
232801	Lilra5	-0.315	-0.008	-0.056	0	0	0	0	0	0	NM_001081239	predicted gene, EG232801 (EG232801), mRNA.	Mme-M400007336	ILMN_2724603	0	0
18726	Lilra6	-0.015	0.371	0.101	0	0	0	0	0	0	NM_011090	paired-Ig-like receptor A3 (Pira3), mRNA.	Mme-M400011101	ILMN_2603871	0	0
14728	Lilrb4	0.218	0.312	0.271	0	0	0	0	0	0	NM_013532	leukocyte immunoglobulin-like receptor, subfamily B, member 4 (Lilrb4), mRNA.	Mme-M400008709	ILMN_1236702	0	0
233187	Lim2	0.075	0.130	0.046	0	0	0	0	0	0	NM_177693	lens intrinsic membrane protein 2 (Lim2), mRNA.	Mme-M300000579	ILMN_1247117	0	0
65970	Lima1	0.174	-0.236	0.142	0	0	0	0	0	0	NM_023063	LIM domain and actin binding 1 (Lima1), transcript variant b, mRNA.	Mme-M200012098	ILMN_1228374	0	0
77569	Limch1	-0.158	-0.248	-0.101	0	0	0	0	0	0	NM_001001980	LIM and calponin homology domains 1 (Limch1), mRNA.	Mme-M200008792	ILMN_2628603	0	0
29806	Limd1	0.233	0.041	-0.140	0	0	0	0	0	0	NM_013860	LIM domains containing 1 (Limd1), mRNA.	Mme-M200003020	ILMN_2615259	0	0
67803	Limd2	0.059	0.162	-0.063	0	0	0	0	0	0	NM_172397	LIM domain containing 2 (Limd2), mRNA.	Mme-M200004191	ILMN_2705878	0	0
72699	Lime1	0.090	0.330	-0.026	0	0	0	0	0	0	NM_023684	Lck interacting transmembrane adaptor 1 (Lime1), mRNA.	Mme-M200005998	ILMN_1238893	0	0
16885	Limk1	0.312	0.106	-0.003	0	0	0	0	0	0	NM_010717	LIM-domain containing, protein kinase (Limk1), mRNA.	Mme-M200003373	ILMN_2653927	0	0
16886	Limk2	-0.143	-0.116	0.018	0	0	0	0	0	0	NM_001034030	LIM motif-containing protein kinase 2 (Limk2), transcript variant 3, mRNA.	Mme-M300002199	ILMN_2636169	0	0
110829	Lims1	0.244	0.087	0.155	0	0	0	0	0	0	NM_026148	LIM and senescent cell antigen-like domains 1 (Lims1), mRNA.	Mme-M300001896	ILMN_1254747	0	0
225341	Lims2	0.268	-0.214	0.156	0	0	0	0	0	0	NM_144862	LIM and senescent cell antigen like domains 2 (Lims2), mRNA.	Mme-M200004927	ILMN_1247916	0	0
83557	Lin28a	-0.330	-0.114	-0.065	0	0	0	0	0	0	NM_145833	lin-28 homolog (C. elegans) (Lin28), mRNA.	Mme-M400012763	ILMN_2525870	0	0
75660	Lin37	0.224	-0.001	0.063	0	0	0	0	0	0	NM_029377	lin-37 homolog (C. elegans) (Lin37), mRNA.	Mme-M400005045	ILMN_2761445	0	0
217708	Lin52	0.146	0.036	-0.041	0	0	0	0	0	0	NM_173756	lin-52 homolog (C. elegans) (Lin52), mRNA.	Mme-M400012270	ILMN_2672731	0	0
231506	Lin54	0.028	-0.091	0.064	0	0	0	0	0	0	NM_172714	lin-54 homolog (C. elegans) (Lin54), transcript variant 2, mRNA.	Mme-M300009848	ILMN_2793616	0	0
108030	Lin7a	-0.022	-0.230	0.066	0	0	0	0	0	0	NM_001033223	lin-7 homolog A (C. elegans) (Lin7a), transcript variant 2, mRNA.	Mme-M400000344	ILMN_1213160	0	0
22342	Lin7b	0.033	0.136	-0.162	0	0	0	0	0	0	NM_011698	lin-7 homolog B (C. elegans) (Lin7b), mRNA.	Mme-M400000080	ILMN_2598318	0	0
22343	Lin7c	0.115	-0.148	-0.008	0	0	0	0	0	0	NM_011699	lin-7 homolog C (C. elegans) (Lin7c), mRNA.	Mme-M200003636	ILMN_2669869	0	0
72568	Lin9	0.025	0.013	-0.084	0	0	0	0	0	0	NM_175186	lin-9 homolog (C. elegans) (Lin9), transcript variant 2, mRNA.	Mme-M300020462	ILMN_2610516	0	0
232685	Lincpint	-0.070	0.006	0.025	0	0	0	0	0	0	XR_035177	PREDICTED: cDNA sequence AB041803 (AB041803), misc RNA.	Mme-M400002903	ILMN_1214368	0	0
235402	Lingo1	0.347	-0.021	-0.088	0	0	0	0	0	0	NM_181074	leucine rich repeat and Ig domain containing 1 (Lingo1), mRNA.	Mme-M200008321	ILMN_3162809	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
242384	Lingo2	-0.009	-0.141	0.078	0	0	0	0	0	0	NM_175516	leucine rich repeat and Ig domain containing 2 (Lingo2), mRNA.	Mme-M300016061	ILMN_2949444	0	0
237403	Lingo3	0.128	0.085	-0.089	0	0	0	0	0	0	NM_001013758	cDNA sequence BC072620 (BC072620), mRNA.	Mme-M300021722	ILMN_2819496	0	0
320747	Lingo4	-0.167	-0.111	-0.110	0	0	0	0	0	0	NM_177250	leucine rich repeat and Ig domain containing 4 (Lingo4), mRNA.	Mme-M300015517	ILMN_1219543	0	0
72635	Lins	-0.159	-0.033	-0.073	0	0	0	0	0	0	NM_152815	lines homolog 2 (Drosophila) (Lins2), mRNA.	Mme-M400004334	ILMN_1239583	0	0
16889	Lipa	0.024	0.078	0.027	0	0	0	0	0	0	NM_001111100	lysosomal acid lipase A (Lipa), transcript variant 2, mRNA.	Mme-M200012043	ILMN_2649291	0	0
15450	Lipc	-0.411	-0.059	-0.072	0	0	0	0	0	0	NM_008280	lipase, hepatic (Lipc), mRNA.	Mme-M200000126	ILMN_1257106	0	0
16890	Lipe	-0.444	0.112	-0.088	0	0	0	0	0	0	NM_001039507	lipase, hormone sensitive (Lipe), transcript variant 2, mRNA.	Mme-M300000377	ILMN_3111326	0	0
67717	Lipf	0.853	-0.723	0.570	1	-1	1	0	-1	1	NM_026334	lipase, gastric (Lipf), mRNA.	Mme-M300004305	ILMN_2863532	1	1
16891	Lipg	-0.014	0.081	0.001	0	0	0	0	0	0	NM_010720	lipase, endothelial (Lipg), mRNA.	Mme-M400004612	ILMN_2606841	0	0
239759	Liph	0.082	-0.142	-0.089	0	0	0	0	0	0	NM_153404	lipase, member H (Liph), transcript variant 2, mRNA.	Mme-M300015634	ILMN_1217063	0	0
320355	Lipi	0.069	-0.021	0.098	0	0	0	0	0	0	NM_177142	lipase, member I (Lipi), mRNA.	Mme-M300008527	ILMN_2635416	0	0
240633	Lipk	-0.111	-0.051	-0.174	0	0	0	0	0	0	NM_172837	lipase, family member K (Lipk), mRNA.	Mme-M300004310	ILMN_1254211	0	0
78753	Lipm	-0.386	0.051	-0.013	0	0	0	0	0	0	NM_023903	lipase, family member M (Lipm), mRNA.	Mme-M200012484	ILMN_2552013	0	0
381236	Lipo1	0.201	-0.094	0.098	0	0	0	0	0	0	NM_001013770	expressed sequence AI747699 (AI747699), mRNA.	Mme-M400000780	ILMN_2793739	0	0
67164	Lipt2	0.037	-0.273	0.051	0	0	0	0	0	0	NM_026010	RIKEN cDNA 2610209A20 gene (2610209A20Rik), mRNA.	Mme-M400011529	ILMN_2744228	0	0
56722	Litaf	-0.027	0.037	0.095	0	0	0	0	0	0	NM_019980	LPS-induced TN factor (Litaf), mRNA.	Mme-M200004061	ILMN_2665490	0	0
66643	Lix1	-0.178	-0.124	0.328	0	0	1	0	0	0	NM_025681	limb expression 1 homolog (chicken) (Lix1), mRNA.	Mme-M300003775	ILMN_1247897	0	0
277496	Lkaaear1	-0.075	0.154	0.043	0	0	0	0	0	0	NM_199023	RIKEN cDNA 4930526D03 gene (4930526D03Rik), mRNA.	Mme-M400003077	ILMN_2858266	0	0
16897	Llgl1	-0.075	0.049	-0.038	0	0	0	0	0	0	NM_008502	lethal giant larvae homolog 1 (Drosophila) (Llgl1), mRNA.	Mme-M200001515	ILMN_1247530	0	0
217325	Llgl2	0.175	-0.385	-0.226	0	0	0	0	0	0	NM_145438	lethal giant larvae homolog 2 (Drosophila) (Llgl2), mRNA.	Mme-M200001436	ILMN_1224093	0	0
66225	Llph	-0.040	-0.097	0.199	0	0	0	0	0	0	NM_025431	RIKEN cDNA 1190005P17 gene (1190005P17Rik), mRNA.	Mme-M300002069	ILMN_2596834	0	0
70361	Lman1	0.327	-0.193	0.052	0	0	0	0	0	0	NM_027400	lectin, mannose-binding, 1 (Lman1), mRNA.	Mme-M200013021	ILMN_1212637	0	0
235416	Lman1l	-0.022	0.115	-0.073	0	0	0	0	0	0	NM_199222	lectin, mannose-binding 1 like (Lman1l), mRNA.	Mme-M300012278	ILMN_3051282	0	0
66890	Lman2	0.087	0.202	-0.030	0	0	0	0	0	0	NM_025828	lectin, mannose-binding 2 (Lman2), mRNA.	Mme-M200008126	ILMN_1252919	0	0
214895	Lman2l	-0.066	-0.064	-0.049	0	0	0	0	0	0	NM_001013374	lectin, mannose-binding 2-like (Lman2l), mRNA.	Mme-M300000156	ILMN_1220769	0	0
56873	Lmbr1	-0.215	-0.142	0.094	0	0	0	0	0	0	NM_020295	limb region 1 (Lmbr1), mRNA.	Mme-M400012538	ILMN_2523421	0	0
74775	Lmbr1l	0.016	0.172	-0.099	0	0	0	0	0	0	NM_029098	limb region 1 like (Lmbr1l), mRNA.	Mme-M200004924	ILMN_2698738	0	0
68421	Lmbrd1	0.060	0.025	0.038	0	0	0	0	0	0	NM_026719	LMBR1 domain containing 1 (Lmbrd1), mRNA.	Mme-M400011577	ILMN_2725647	0	0
320506	Lmbrd2	-0.039	-0.007	0.010	0	0	0	0	0	0	NM_177178	LMBR1 domain containing 2 (Lmbrd2), mRNA.	Mme-M300012311	ILMN_2684770	0	0
30937	Lmcd1	0.139	0.060	-0.117	0	0	0	0	0	0	NM_144799	LIM and cysteine-rich domains 1 (Lmcd1), mRNA.	Mme-M200012898	ILMN_2907540	0	0
76483	Lmf1	0.104	-0.072	-0.039	0	0	0	0	0	0	NM_029624	lipase maturation factor 1 (Lmf1), mRNA.	Mme-M200003122	ILMN_2655144	0	0
105847	Lmf2	0.105	0.007	0.036	0	0	0	0	0	0	NM_178919	lipase maturation factor 2 (Lmf2), mRNA.	Mme-M300003407	ILMN_2736566	0	0
239833	Lmln	-0.313	0.080	-0.131	0	0	0	0	0	0	NM_172823	leishmanolysin-like (metallopeptidase M8 family) (Lmln), mRNA.	Mme-M300003513	ILMN_1224266	0	0
16905	Lmna	0.463	0.115	-0.086	0	0	0	0	0	0	NM_001002011	lamin A (Lmna), transcript variant 1, mRNA.	Mme-M200001331	ILMN_1221646	0	0
16906	Lmnb1	-0.164	-0.009	-0.016	0	0	0	0	0	0	NM_010721	lamin B1 (Lmnb1), mRNA.	Mme-M300004220	ILMN_2720229	0	0
16907	Lmnb2	0.072	-0.107	-0.152	0	0	0	0	0	0	NM_010722	lamin B2 (Lmnb2), mRNA.	Mme-M400013284	ILMN_2669404	0	0
72000	Lmntd2	-0.205	-0.095	-0.157	0	0	0	0	0	0	NM_028050	RIKEN cDNA 1600016N20 gene (1600016N20Rik), mRNA.	Mme-M200011588	ILMN_1242629	0	0
109594	Lmo1	-0.082	-0.041	0.066	0	0	0	0	0	0	NM_057173	LIM domain only 1 (Lmo1), mRNA.	Mme-M200003105	ILMN_1240303	0	0
109593	Lmo3	0.105	0.153	-0.122	0	0	0	0	0	0	NM_207222	LIM domain only 3 (Lmo3), mRNA.	Mme-M400001240	ILMN_3139548	0	0
16911	Lmo4	0.187	-0.247	0.010	0	0	0	0	0	0	NM_010723	LIM domain only 4 (Lmo4), mRNA.	Mme-M200006369	ILMN_2642403	0	0
380928	Lmo7	0.745	0.075	-0.131	1	0	0	0	0	0	NM_201529	LIM domain only 7 (Lmo7), mRNA.	Mme-M400001529	ILMN_1248999	0	0
93689	Lmod1	-0.255	-0.337	0.180	0	0	0	0	0	0	NM_053106	leiomodin 1 (smooth muscle) (Lmod1), mRNA.	Mme-M300018917	ILMN_2604885	0	0
93677	Lmod2	1.045	0.004	0.045	1	0	0	1	0	0	NM_053098	leiomodin 2 (cardiac) (Lmod2), mRNA.	Mme-M200005624	ILMN_1258528	1	0
320502	Lmod3	0.416	0.337	-0.101	0	0	0	0	0	0	NM_001081157	leiomodin 3 (fetal) (Lmod3), mRNA.	Mme-M300015129	ILMN_2605790	0	0
231876	Lmtk2	0.139	-0.131	-0.102	0	0	0	0	0	0	NM_001081109	lemur tyrosine kinase 2 (Lmtk2), mRNA.	Mme-M300011871	ILMN_2681474	0	0
381983	Lmtk3	0.483	0.127	0.064	0	0	0	0	0	0	NM_001005511	lemur tyrosine kinase 3 (Lmtk3), mRNA.	Mme-M300012593	ILMN_2540971	0	0
110648	Lmx1a	-0.011	0.104	-0.080	0	0	0	0	0	0	NM_033652	LIM homeobox transcription factor 1 alpha (Lmx1a), mRNA.	Mme-M200008648	ILMN_2823980	0	0
16917	Lmx1b	-0.276	0.042	-0.062	0	0	0	0	0	0	NM_010725	LIM homeobox transcription factor 1 beta (Lmx1b), mRNA.	Mme-M400002189	ILMN_2771156	0	0
69605	Lnp	-0.145	0.047	-0.108	0	0	0	0	0	0	NM_027133	limb and neural patterns (Lnp), transcript variant 1, mRNA.	Mme-M400016181	ILMN_2712258	0	0
240028	Lnpep	-0.052	0.066	-0.125	0	0	0	0	0	0	NM_172827	leucyl/cystinyl aminopeptidase (Lnpep), mRNA.	Mme-M300003774	ILMN_1217725	0	0
16924	Lnx1	-0.010	-0.009	-0.110	0	0	0	0	0	0	NM_010727	ligand of numb-protein X 1 (Lnx1), mRNA.	Mme-M400011063	ILMN_2597124	0	0
140887	Lnx2	0.173	-0.105	-0.198	0	0	0	0	0	0	NM_080795	ligand of numb-protein X 2 (Lnx2), mRNA.	Mme-M200007585	ILMN_2779913	0	0
67774	Loh12cr1	0.057	-0.141	0.046	0	0	0	0	0	0	NM_026371	loss of heterozygosity, 12, chromosomal region 1 homolog (human) (Loh12cr1), mRNA.	Mme-M400011558	ILMN_2876124	0	0
74142	Lonp1	0.062	0.100	0.014	0	0	0	0	0	0	NM_028782	lon peptidase 1, mitochondrial (Lonp1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006327	ILMN_2719163	0	0
66887	Lonp2	0.104	-0.203	-0.050	0	0	0	0	0	0	NM_025827	lon peptidase 2, peroxisomal (Lonp2), mRNA.	Mme-M300018689	ILMN_2913590	0	0
244421	Lonrf1	-0.030	-0.084	0.119	0	0	0	0	0	0	NM_001081150	LON peptidase N-terminal domain and ring finger 1 (Lonrf1), mRNA.	Mme-M300012273	ILMN_1250309	0	0
381338	Lonrf2	0.043	-0.082	-0.163	0	0	0	0	0	0	NM_001029878	LON peptidase N-terminal domain and ring finger 2 (Lonrf2), mRNA.	Mme-M400001982	ILMN_1250813	0	0
74365	Lonrf3	0.076	-0.209	0.153	0	0	0	0	0	0	NM_028894	LON peptidase N-terminal domain and ring finger 3 (Lonrf3), mRNA.	Mme-M200008451	ILMN_1213378	0	0
16939	Lor	-0.098	-0.144	-0.129	0	0	0	0	0	0	NM_008508	loricrin (Lor), mRNA.	Mme-M200000404	ILMN_1241825	0	0
240411	Loxhd1	-0.203	-0.046	-0.038	0	0	0	0	0	0	XM_001472179	PREDICTED: lipoxygenase homology domains 1 (Loxhd1), mRNA.	Mme-M300014571	ILMN_1219125	0	0
16949	Loxl1	0.672	0.011	-0.270	1	0	0	0	0	0	NM_010729	lysyl oxidase-like 1 (Loxl1), mRNA.	Mme-M300008194	ILMN_1255871	0	0
94352	Loxl2	0.070	0.040	-0.062	0	0	0	0	0	0	NM_033325	lysyl oxidase-like 2 (Loxl2), mRNA.	Mme-M200008812	ILMN_2727638	0	0
16950	Loxl3	0.262	-0.006	0.019	0	0	0	0	0	0	NM_013586	lysyl oxidase-like 3 (Loxl3), mRNA.	Mme-M200015910	ILMN_2665272	0	0
67573	Loxl4	-0.250	-0.032	0.027	0	0	0	0	0	0	NM_053083	lysyl oxidase-like 4 (Loxl4), mRNA.	Mme-M200011870	ILMN_2548664	0	0
14745	Lpar1	-0.228	-0.139	0.125	0	0	0	0	0	0	NM_010336	lysophosphatidic acid receptor 1 (Lpar1), transcript variant 1, mRNA.	Mme-M300011699	ILMN_2774854	0	0
53978	Lpar2	0.136	0.035	-0.091	0	0	0	0	0	0	NM_020028	lysophosphatidic acid receptor 2 (Lpar2), mRNA.	Mme-M300007939	ILMN_2661082	0	0
65086	Lpar3	-0.107	-0.315	-0.117	0	0	0	0	0	0	NM_022983	lysophosphatidic acid receptor 3 (Lpar3), mRNA.	Mme-M200009821	ILMN_3009440	0	0
78134	Lpar4	-0.114	-0.144	0.137	0	0	0	0	0	0	NM_175271	lysophosphatidic acid receptor 4 (Lpar4), mRNA.	Mme-M200012216	ILMN_2834764	0	0
381810	Lpar5	-0.170	0.027	0.022	0	0	0	0	0	0	XM_355812	PREDICTED: G protein-coupled receptor 92 (Gpr92), mRNA.	Mme-M300015062	ILMN_2539669	0	0
67168	Lpar6	-0.022	0.231	0.250	0	0	0	0	0	0	NM_175116	purinergic receptor P2Y, G-protein coupled, 5 (P2ry5), mRNA.	Mme-M200005931	ILMN_2792601	0	0
270084	Lpcat2	-0.190	0.257	0.145	0	0	0	0	0	0	NM_173014	lysophosphatidylcholine acyltransferase 2 (Lpcat2), mRNA.	Mme-M300008630	ILMN_2627920	0	0
70902	Lpcat2b	-0.207	0.021	-0.007	0	0	0	0	0	0	NM_027599	acyltransferase like 1B (Aytl1b), mRNA.	Mme-M200014810	ILMN_1256667	0	0
14792	Lpcat3	0.003	-0.224	0.046	0	0	0	0	0	0	NM_145130	membrane bound O-acyltransferase domain containing 5 (Mboat5), mRNA.	Mme-M200001413	ILMN_1237328	0	0
99010	Lpcat4	0.099	0.268	0.034	0	0	0	0	0	0	NM_207206	1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta) (Agpat7), mRNA.	Mme-M300005485	ILMN_2756891	0	0
226856	Lpgat1	0.282	-0.124	0.327	0	0	1	0	0	0	NM_172266	lysophosphatidylglycerol acyltransferase 1 (Lpgat1), mRNA.	Mme-M200013078	ILMN_2720479	0	0
14245	Lpin1	0.112	0.048	0.109	0	0	0	0	0	0	NM_172950	lipin 1 (Lpin1), transcript variant 1, mRNA.	Mme-M300002260	ILMN_2592546	0	0
64898	Lpin2	0.058	0.096	-0.039	0	0	0	0	0	0	NM_022882	lipin 2 (Lpin2), mRNA.	Mme-M400000715	ILMN_1220680	0	0
64899	Lpin3	0.110	-0.035	-0.028	0	0	0	0	0	0	NM_022883	lipin 3 (Lpin3), mRNA.	Mme-M200015093	ILMN_2633215	0	0
16956	Lpl	1.521	-0.428	-0.283	1	-1	0	1	0	0	NM_008509	lipoprotein lipase (Lpl), mRNA.	Mme-M300001423	ILMN_2692723	1	0
76113	Lpo	-0.098	0.004	-0.068	0	0	0	0	0	0	NM_080420	lactoperoxidase (Lpo), mRNA.	Mme-M200013527	ILMN_2684053	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
210126	Lpp	0.154	0.038	-0.003	0	0	0	0	0	0	NM_178665	LIM domain containing preferred translocation partner in lipoma (Lpp), mRNA.	Mme-M300008697	ILMN_2766837	0	0
272031	Lppr1	-0.045	0.176	-0.116	0	0	0	0	0	0	NM_178756	RIKEN cDNA E130309F12 gene (E130309F12Rik), mRNA.	Mme-M300006038	ILMN_1223516	0	0
235044	Lppr2	0.118	0.198	-0.158	0	0	0	0	0	0	NM_144935	cDNA sequence BC018242 (BC018242), mRNA.	Mme-M200008450	ILMN_2850073	0	0
229791	Lppr4	0.116	-0.053	-0.026	0	0	0	0	0	0	NM_177664	DNA segment, Chr 3, Brigham & Women's Genetics 0562 expressed (D3Bwg0562e), mRNA.	Mme-M300008733	ILMN_2712316	0	0
75769	Lppr5	0.202	0.170	-0.154	0	0	0	0	0	0	NM_029425	RIKEN cDNA 4833424O15 gene (4833424O15Rik), mRNA.	Mme-M200015328	ILMN_2780022	0	0
107321	Lpxn	0.008	0.407	0.390	0	0	1	0	0	0	NM_134152	leupaxin (Lpxn), mRNA.	Mme-M200015331	ILMN_1230587	0	0
79235	Lrat	-0.146	0.097	0.308	0	0	1	0	0	0	NM_023624	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase) (Lrat), mRNA.	Mme-M200007445	ILMN_2653227	0	0
80877	Lrba	0.141	-0.132	-0.172	0	0	0	0	0	0	NM_030695	LPS-responsive beige-like anchor (Lrba), transcript variant 1, mRNA.	Mme-M400001058	ILMN_2659960	0	0
70144	Lrch3	-0.083	-0.049	0.076	0	0	0	0	0	0	NM_001081255	leucine-rich repeats and calponin homology (CH) domain containing 3 (Lrch3), mRNA.	Mme-M400005276	ILMN_2478746	0	0
231798	Lrch4	0.012	0.132	-0.131	0	0	0	0	0	0	NM_146164	leucine-rich repeats and calponin homology (CH) domain containing 4 (Lrch4), mRNA.	Mme-M200012945	ILMN_2693094	0	0
80749	Lrfn1	-0.173	-0.146	0.127	0	0	0	0	0	0	NM_030562	leucine rich repeat and fibronectin type III domain containing 1 (Lrfn1), mRNA.	Mme-M400011703	ILMN_2734991	0	0
70530	Lrfn2	0.166	-0.098	-0.160	0	0	0	0	0	0	NM_027452	leucine rich repeat and fibronectin type III domain containing 2 (Lrfn2), mRNA.	Mme-M200009146	ILMN_2651081	0	0
233067	Lrfn3	0.281	-0.149	-0.173	0	0	0	0	0	0	NM_175478	leucine rich repeat and fibronectin type III domain containing 3 (Lrfn3), mRNA.	Mme-M300010660	ILMN_2930680	0	0
225875	Lrfn4	0.121	0.010	-0.081	0	0	0	0	0	0	NM_153388	leucine rich repeat and fibronectin type III domain containing 4 (Lrfn4), mRNA.	Mme-M300016021	ILMN_1213309	0	0
238205	Lrfn5	-0.368	-0.024	0.078	0	0	0	0	0	0	NM_178714	leucine rich repeat and fibronectin type III domain containing 5 (Lrfn5), mRNA.	Mme-M300010031	ILMN_2617318	0	0
76905	Lrg1	0.236	-0.027	0.009	0	0	0	0	0	0	NM_029796	leucine-rich alpha-2-glycoprotein 1 (Lrg1), mRNA.	Mme-M200011815	ILMN_2652500	0	0
74354	Lrguk	-0.001	0.008	-0.036	0	0	0	0	0	0	XM_133060	PREDICTED: leucine-rich repeats and guanylate kinase domain containing, transcript variant 1 (Lrguk), mRNA.	Mme-M400005438	ILMN_1238778	0	0
321000	Lrif1	0.186	0.231	0.095	0	0	0	0	0	0	NM_001039478	RIKEN cDNA 4933421E11 gene (4933421E11Rik), transcript variant 3, mRNA.	Mme-M400009244	ILMN_3082287	0	0
16206	Lrig1	-0.232	0.146	0.175	0	0	0	0	0	0	NM_008377	leucine-rich repeats and immunoglobulin-like domains 1 (Lrig1), mRNA.	Mme-M200000341	ILMN_2640862	0	0
269473	Lrig2	-0.245	-0.036	-0.061	0	0	0	0	0	0	NM_001025067	leucine-rich repeats and immunoglobulin-like domains 2 (Lrig2), mRNA.	Mme-M300008506	ILMN_1212838	0	0
320398	Lrig3	-0.324	-0.251	0.006	0	0	0	0	0	0	NM_177152	leucine-rich repeats and immunoglobulin-like domains 3 (Lrig3), mRNA.	Mme-M300002004	ILMN_1213273	0	0
239037	Lrit1	-0.133	-0.043	0.026	0	0	0	0	0	0	NM_146245	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1 (Lrit1), mRNA.	Mme-M400012741	ILMN_2589757	0	0
239038	Lrit2	-0.027	0.045	-0.034	0	0	0	0	0	0	NM_173418	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2 (Lrit2), mRNA.	Mme-M300014491	ILMN_2588946	0	0
16970	Lrmp	0.191	0.330	0.241	0	0	0	0	0	0	NM_008511	lymphoid-restricted membrane protein (Lrmp), mRNA.	Mme-M300007099	ILMN_2602542	0	0
16971	Lrp1	0.156	-0.128	-0.060	0	0	0	0	0	0	NM_008512	low density lipoprotein receptor-related protein 1 (Lrp1), mRNA.	Mme-M200002501	ILMN_1237723	0	0
65107	Lrp10	0.194	-0.127	-0.036	0	0	0	0	0	0	NM_022993	low-density lipoprotein receptor-related protein 10 (Lrp10), mRNA.	Mme-M200006018	ILMN_2760430	0	0
237253	Lrp11	-0.044	-0.201	-0.118	0	0	0	0	0	0	NM_172784	low density lipoprotein receptor-related protein 11 (Lrp11), mRNA.	Mme-M300001836	ILMN_2672708	0	0
239393	Lrp12	0.037	0.056	-0.115	0	0	0	0	0	0	NM_172814	low density lipoprotein-related protein 12 (Lrp12), mRNA.	Mme-M300003195	ILMN_2819951	0	0
94217	Lrp1b	0.145	0.038	0.023	0	0	0	0	0	0	NM_053011	low density lipoprotein-related protein 1B (deleted in tumors) (Lrp1b), mRNA.	Mme-M200009834	ILMN_2611536	0	0
14725	Lrp2	0.257	-1.046	-0.112	0	-1	0	0	-1	0	NM_001081088	low density lipoprotein receptor-related protein 2 (Lrp2), mRNA.	Mme-M200004707	ILMN_3117209	0	1
67620	Lrp2bp	0.094	-0.138	0.055	0	0	0	0	0	0	NM_026278	Lrp2 binding protein (Lrp2bp), mRNA.	Mme-M300007830	ILMN_1257248	0	0
228357	Lrp4	0.148	0.214	0.066	0	0	0	0	0	0	NM_172668	low density lipoprotein receptor-related protein 4 (Lrp4), mRNA.	Mme-M200005083	ILMN_1244134	0	0
16973	Lrp5	0.335	-0.150	-0.037	0	0	0	0	0	0	NM_008513	low density lipoprotein receptor-related protein 5 (Lrp5), mRNA.	Mme-M200003976	ILMN_2729431	0	0
16975	Lrp8	-0.045	-0.134	0.104	0	0	0	0	0	0	NM_001080926	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor (Lrp8), transcript variant 2, mRNA.	Mme-M400001098	ILMN_1247823	0	0
16976	Lrpap1	0.088	0.031	0.050	0	0	0	0	0	0	NM_013587	low density lipoprotein receptor-related protein associated protein 1 (Lrpap1), mRNA.	Mme-M400001139	ILMN_2761472	0	0
72416	Lrpprc	-0.031	-0.048	-0.192	0	0	0	0	0	0	NM_028233	leucine-rich PPR-motif containing (Lrpprc), mRNA.	Mme-M200011969	ILMN_2683718	0	0
214345	Lrrc1	0.269	-0.157	-0.123	0	0	0	0	0	0	NM_172528	leucine rich repeat containing 1 (Lrrc1), mRNA.	Mme-M300008207	ILMN_2744478	0	0
237560	Lrrc10	-0.304	0.070	0.011	0	0	0	0	0	0	NM_146242	leucine rich repeat containing 10 (Lrrc10), mRNA.	Mme-M400012731	ILMN_2525911	0	0
223664	Lrrc14	0.020	0.072	-0.056	0	0	0	0	0	0	NM_145471	leucine rich repeat containing 14 (Lrrc14), mRNA.	Mme-M300008911	ILMN_2758168	0	0
432779	Lrrc14b	-0.155	-0.003	0.090	0	0	0	0	0	0	NM_001033042	expressed sequence AI595366 (AI595366), mRNA.	Mme-M300002837	ILMN_3161863	0	0
74488	Lrrc15	0.171	0.499	-0.269	0	1	0	0	0	0	NM_028973	leucine rich repeat containing 15 (Lrrc15), mRNA.	Mme-M400004077	ILMN_2756421	0	0
68732	Lrrc16a	0.215	-0.084	0.059	0	0	0	0	0	0	NM_026825	leucine rich repeat containing 16A (Lrrc16a), mRNA.	Mme-M400000456	ILMN_2747022	0	0
268747	Lrrc16b	-0.311	0.095	0.109	0	0	0	0	0	0	NM_001024645	leucine rich repeat containing 16B (Lrrc16b), mRNA.	Mme-M300003144	ILMN_2807834	0	0
74511	Lrrc17	-0.157	0.056	-0.127	0	0	0	0	0	0	NM_028977	leucine rich repeat containing 17 (Lrrc17), mRNA.	Mme-M200005788	ILMN_2511456	0	0
67580	Lrrc18	-0.251	0.007	-0.075	0	0	0	0	0	0	NM_026253	leucine rich repeat containing 18 (Lrrc18), mRNA.	Mme-M300013294	ILMN_2728504	0	0
100061	Lrrc19	0.075	0.084	0.051	0	0	0	0	0	0	NM_175305	leucine rich repeat containing 19 (Lrrc19), mRNA.	Mme-M300020524	ILMN_1238743	0	0
74249	Lrrc2	0.181	-0.045	0.035	0	0	0	0	0	0	NM_028838	leucine rich repeat containing 2 (Lrrc2), mRNA.	Mme-M400001470	ILMN_2627400	0	0
216011	Lrrc20	-0.109	0.213	-0.087	0	0	0	0	0	0	NM_153542	leucine rich repeat containing 20 (Lrrc20), mRNA.	Mme-M300010776	ILMN_2978878	0	0
16977	Lrrc23	0.126	-0.170	-0.036	0	0	0	0	0	0	NM_013588	leucine rich repeat containing 23 (Lrrc23), mRNA.	Mme-M300007017	ILMN_1228163	0	0
378937	Lrrc24	0.125	-0.029	-0.151	0	0	0	0	0	0	NM_198119	leucine rich repeat containing 24 (Lrrc24), mRNA.	Mme-M300016275	ILMN_2684397	0	0
211228	Lrrc25	0.236	0.092	0.068	0	0	0	0	0	0	NM_153074	leucine rich repeat containing 25 (Lrrc25), mRNA.	Mme-M300020698	ILMN_2715800	0	0
227618	Lrrc26	-0.351	-0.367	-0.035	0	0	0	0	0	0	NM_146117	leucine rich repeat containing 26 (Lrrc26), mRNA.	Mme-M200005357	ILMN_2682268	0	0
76612	Lrrc27	0.044	0.026	-0.102	0	0	0	0	0	0	NM_027164	leucine rich repeat containing 27 (Lrrc27), mRNA.	Mme-M300001483	ILMN_1247028	0	0
67867	Lrrc28	-0.070	-0.024	0.043	0	0	0	0	0	0	NM_175124	leucine rich repeat containing 28 (Lrrc28), mRNA.	Mme-M300007296	ILMN_2700699	0	0
237387	Lrrc3	-0.242	-0.143	0.108	0	0	0	0	0	0	NM_145152	leucine rich repeat containing 3 (Lrrc3), mRNA.	Mme-M300022270	ILMN_1248047	0	0
71827	Lrrc34	-0.024	-0.044	-0.096	0	0	0	0	0	0	NM_027941	leucine rich repeat containing 34 (Lrrc34), mRNA.	Mme-M200014254	ILMN_2786469	0	0
270091	Lrrc36	-0.468	-0.021	-0.097	0	0	0	0	0	0	NM_001033371	leucine rich repeat containing 36 (Lrrc36), mRNA.	Mme-M300012130	ILMN_1235822	0	0
237954	Lrrc37a	-1.027	0.040	-0.063	-1	0	0	-1	0	0	XM_137868	PREDICTED: leucine rich repeat containing 37A (Lrrc37a), mRNA.	Mme-M400001665	ILMN_1220636	0	1
242735	Lrrc38	0.288	0.109	0.111	0	0	0	0	0	0	XM_144076	PREDICTED: leucine rich repeat containing 38 (Lrrc38), mRNA.	Mme-M300006172	ILMN_2648524	0	0
109245	Lrrc39	0.629	0.103	0.058	0	0	0	0	0	0	NM_027321	leucine rich repeat containing 39 (Lrrc39), transcript variant 1, mRNA.	Mme-M200010116	ILMN_2694346	0	0
218763	Lrrc3b	-0.046	-0.027	-0.054	0	0	0	0	0	0	NM_146052	leucine rich repeat containing 3B (Lrrc3b), mRNA.	Mme-M200014717	ILMN_2755833	0	0
192198	Lrrc4	0.165	-0.027	0.197	0	0	0	0	0	0	NM_138682	leucine rich repeat containing 4 (Lrrc4), mRNA.	Mme-M200008253	ILMN_2741194	0	0
67144	Lrrc40	0.336	-0.127	-0.087	0	0	0	0	0	0	NM_024194	leucine rich repeat containing 40 (Lrrc40), mRNA.	Mme-M200004982	ILMN_2647476	0	0
230654	Lrrc41	0.131	0.102	-0.001	0	0	0	0	0	0	NM_153521	leucine rich repeat containing 41 (Lrrc41), mRNA.	Mme-M300006240	ILMN_1220548	0	0
77809	Lrrc42	-0.193	0.104	-0.033	0	0	0	0	0	0	NM_029985	leucine rich repeat containing 42 (Lrrc42), mRNA.	Mme-M300006193	ILMN_2765834	0	0
381741	Lrrc43	0.045	0.037	0.013	0	0	0	0	0	0	NM_001033461	leucine rich repeat containing 43 (Lrrc43), mRNA.	Mme-M400008262	ILMN_3160488	0	0
217366	Lrrc45	-0.011	0.031	-0.111	0	0	0	0	0	0	NM_153545	leucine rich repeat containing 45 (Lrrc45), mRNA.	Mme-M300004495	ILMN_1214991	0	0
69297	Lrrc46	0.247	-0.020	-0.115	0	0	0	0	0	0	NM_027026	leucine rich repeat containing 46 (Lrrc46), mRNA.	Mme-M200011780	ILMN_2737412	0	0
72946	Lrrc47	0.092	0.029	-0.034	0	0	0	0	0	0	NM_201226	leucine rich repeat containing 47 (Lrrc47), mRNA.	Mme-M200006706	ILMN_2628551	0	0
74665	Lrrc48	0.178	-0.070	-0.124	0	0	0	0	0	0	NM_029044	leucine rich repeat containing 48 (Lrrc48), mRNA.	Mme-M400005559	ILMN_3071876	0	0
102747	Lrrc49	-0.126	-0.105	-0.125	0	0	0	0	0	0	NM_145616	leucine rich repeat containing 49 (Lrrc49), mRNA.	Mme-M200004683	ILMN_2860501	0	0
272381	Lrrc4b	-0.059	0.196	0.101	0	0	0	0	0	0	NM_198250	leucine rich repeat containing 4B (Lrrc4b), mRNA.	Mme-M300017947	ILMN_2642444	0	0
241568	Lrrc4c	0.201	0.028	0.091	0	0	0	0	0	0	NM_178725	leucine rich repeat containing 4C (Lrrc4c), mRNA.	Mme-M300021276	ILMN_1247141	0	0
69358	Lrrc51	-0.113	-0.027	-0.093	0	0	0	0	0	0	XM_890234	PREDICTED: leucine rich repeat containing 51, transcript variant 2 (Lrrc51), mRNA.	Mme-M400008628	ILMN_1258770	0	0
240899	Lrrc52	0.326	-0.084	-0.049	0	0	0	0	0	0	NM_001013382	leucine rich repeat containing 52 (Lrrc52), mRNA.	Mme-M400002378	ILMN_2909808	0	0
241528	Lrrc55	-0.011	0.110	0.038	0	0	0	0	0	0	NM_001033346	leucine rich repeat containing 55 (Lrrc55), mRNA.	Mme-M400001616	ILMN_1215600	0	0
70552	Lrrc56	0.391	-0.009	-0.040	0	0	0	0	0	0	NM_153777	leucine rich repeat containing 56 (Lrrc56), mRNA.	Mme-M200014173	ILMN_2682650	0	0
66606	Lrrc57	0.192	0.231	-0.019	0	0	0	0	0	0	NM_025657	leucine rich repeat containing 57 (Lrrc57), mRNA.	Mme-M300005561	ILMN_2898944	0	0
320184	Lrrc58	-0.190	-0.039	-0.014	0	0	0	0	0	0	NM_177093	leucine rich repeat containing 58 (Lrrc58), mRNA.	Mme-M300009180	ILMN_2461936	0	0
98238	Lrrc59	0.065	0.078	-0.105	0	0	0	0	0	0	NM_133807	leucine rich repeat containing 59 (Lrrc59), mRNA.	Mme-M200006216	ILMN_2931384	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
54562	Lrrc6	-0.181	0.059	-0.061	0	0	0	0	0	0	NM_019457	leucine rich repeat containing 6 (testis) (Lrrc6), mRNA.	Mme-M200003901	ILMN_2914714	0	0
243371	Lrrc61	0.010	-0.198	-0.242	0	0	0	0	0	0	NM_001110160	leucine rich repeat containing 61 (Lrrc61), transcript variant 2, mRNA.	Mme-M400003523	ILMN_2588295	0	0
70859	Lrrc63	-0.213	-0.114	0.046	0	0	0	0	0	0	XM_895010	PREDICTED: RIKEN cDNA 4921509B22 gene, transcript variant 2 (4921509B22Rik), mRNA.	Mme-M200009574	ILMN_2590386	0	0
231296	Lrrc66	-0.110	-0.051	-0.023	0	0	0	0	0	0	NM_153568	cDNA sequence BC031901 (BC031901), mRNA.	Mme-M400012200	ILMN_2780647	0	0
73314	Lrrc69	0.039	-0.020	-0.029	0	0	0	0	0	0	NM_028499	RIKEN cDNA 1700034K16 gene (1700034K16Rik), mRNA.	Mme-M200014742	ILMN_1224613	0	0
242274	Lrrc7	0.088	0.163	0.058	0	0	0	0	0	0	NM_001081358	leucine rich repeat containing 7 (Lrrc7), mRNA.	Mme-M300005979	ILMN_3151444	0	0
71156	Lrrc72	0.081	-0.022	-0.008	0	0	0	0	0	0	NM_027699	RIKEN cDNA 1700108M19 gene (1700108M19Rik), mRNA.	Mme-M200014778	ILMN_2724220	0	0
627607	Lrrc74a	-0.193	-0.024	0.004	0	0	0	0	0	0	XM_892281	PREDICTED: predicted gene, EG627607 (EG627607), mRNA.	Mme-M400006651	ILMN_2526503	0	0
74685	Lrrc74b	-0.116	-0.003	0.056	0	0	0	0	0	0	NM_029053	RIKEN cDNA 4930451C15 gene (4930451C15Rik), mRNA.	Mme-M200008104	ILMN_3006143	0	0
192976	Lrrc75a	0.158	-0.176	-0.087	0	0	0	0	0	0	NM_198861	cDNA sequence BC046404 (BC046404), mRNA.	Mme-M300017322	ILMN_3158698	0	0
192734	Lrrc75b	-0.018	0.113	-0.094	0	0	0	0	0	0	NM_198860	expressed sequence AI646023 (AI646023), mRNA.	Mme-M300017683	ILMN_2605858	0	0
433926	Lrrc8b	-0.073	-0.066	-0.063	0	0	0	0	0	0	NM_001033550	leucine rich repeat containing 8 family, member B (Lrrc8b), mRNA.	Mme-M300017551	ILMN_2826237	0	0
100604	Lrrc8c	-0.248	0.141	0.103	0	0	0	0	0	0	NM_133897	leucine rich repeat containing 8 family, member C (Lrrc8c), mRNA.	Mme-M200004547	ILMN_1248696	0	0
231549	Lrrc8d	0.215	-0.061	-0.051	0	0	0	0	0	0	NM_178701	leucine rich repeat containing 8D (Lrrc8d), transcript variant 2, mRNA.	Mme-M300017002	ILMN_2766455	0	0
72267	Lrrc8e	-0.054	-0.045	-0.006	0	0	0	0	0	0	NM_028175	leucine rich repeat containing 8 family, member E (Lrrc8e), mRNA.	Mme-M300001156	ILMN_2749728	0	0
71710	Lrrcc1	0.085	-0.027	0.074	0	0	0	0	0	0	NM_028915	leucine rich repeat and coiled-coil domain containing 1 (Lrrcc1), mRNA.	Mme-M200012925	ILMN_2699571	0	0
242838	Lrrd1	0.016	-0.039	-0.082	0	0	0	0	0	0	NM_172879	RIKEN cDNA 4932412H11 gene (4932412H11Rik), mRNA.	Mme-M300012626	ILMN_2896857	0	0
16978	Lrrfip1	0.156	0.206	0.085	0	0	0	0	0	0	NM_001111312	leucine rich repeat (in FLII) interacting protein 1 (Lrrfip1), transcript variant 3, mRNA.	Mme-M400000912	ILMN_1232861	0	0
71268	Lrrfip2	0.034	-0.027	-0.090	0	0	0	0	0	0	NM_027742	leucine rich repeat (in FLII) interacting protein 2 (Lrrfip2), mRNA.	Mme-M200006658	ILMN_2646049	0	0
74978	Lrriq1	0.132	0.112	0.125	0	0	0	0	0	0	XM_001478028	PREDICTED: leucine-rich repeats and IQ motif containing 1 (Lrriq1), mRNA.	Mme-M300001877	ILMN_1245723	0	0
74435	Lrriq3	-0.141	-0.038	0.103	0	0	0	0	0	0	NM_028938	leucine rich repeat containing 44 (Lrrc44), mRNA.	Mme-M200016121	ILMN_2597539	0	0
68307	Lrriq4	-0.164	-0.005	0.074	0	0	0	0	0	0	NM_026668	RIKEN cDNA 4930558O21 gene (4930558O21Rik), mRNA.	Mme-M200014802	ILMN_2613208	0	0
233328	Lrrk1	-0.118	0.057	0.042	0	0	0	0	0	0	NM_146191	leucine-rich repeat kinase 1 (Lrrk1), mRNA.	Mme-M300015675	ILMN_2701515	0	0
66725	Lrrk2	-0.272	-0.157	0.075	0	0	0	0	0	0	NM_025730	leucine-rich repeat kinase 2 (Lrrk2), mRNA.	Mme-M300020927	ILMN_1246556	0	0
16979	Lrrn1	-0.181	-0.053	0.070	0	0	0	0	0	0	NM_008516	leucine rich repeat protein 1, neuronal (Lrrn1), mRNA.	Mme-M200001856	ILMN_2759736	0	0
16980	Lrrn2	0.018	-0.175	-0.071	0	0	0	0	0	0	NM_010732	leucine rich repeat protein 2, neuronal (Lrrn2), mRNA.	Mme-M300005115	ILMN_1224922	0	0
16981	Lrrn3	0.039	0.096	0.069	0	0	0	0	0	0	NM_010733	leucine rich repeat protein 3, neuronal (Lrrn3), mRNA.	Mme-M300010318	ILMN_2630078	0	0
320974	Lrrn4	-0.107	0.055	0.067	0	0	0	0	0	0	NM_177303	RIKEN cDNA B430119L13 gene (B430119L13Rik), mRNA.	Mme-M300014195	ILMN_2608166	0	0
107065	Lrrtm2	0.122	-0.091	0.041	0	0	0	0	0	0	NM_178005	leucine rich repeat transmembrane neuronal 2 (Lrrtm2), mRNA.	Mme-M300019660	ILMN_2593391	0	0
216028	Lrrtm3	-0.094	0.076	-0.071	0	0	0	0	0	0	NM_178678	leucine rich repeat transmembrane neuronal 3 (Lrrtm3), mRNA.	Mme-M300013940	ILMN_2629877	0	0
243499	Lrrtm4	0.083	0.060	-0.061	0	0	0	0	0	0	NM_178731	leucine rich repeat transmembrane neuronal 4 (Lrrtm4), mRNA.	Mme-M400004179	ILMN_2611687	0	0
227738	Lrsam1	-0.294	0.126	-0.150	0	0	0	0	0	0	NM_199302	leucine rich repeat and sterile alpha motif containing 1 (Lrsam1), mRNA.	Mme-M300005285	ILMN_2761459	0	0
319476	Lrtm1	0.172	0.131	0.057	0	0	0	0	0	0	NM_176920	leucine-rich repeats and transmembrane domains 1 (Lrtm1), mRNA.	Mme-M300016705	ILMN_2593694	0	0
211187	Lrtm2	0.151	-0.002	-0.133	0	0	0	0	0	0	NM_172492	leucine-rich repeats and transmembrane domains 2 (Lrtm2), mRNA.	Mme-M400005011	ILMN_2735391	0	0
71735	Lrwd1	0.143	-0.007	-0.054	0	0	0	0	0	0	NM_027891	leucine-rich repeats and WD repeat domain containing 1 (Lrwd1), mRNA.	Mme-M300006828	ILMN_2679477	0	0
268890	Lsamp	-0.094	0.186	0.212	0	0	0	0	0	0	NM_175548	limbic system-associated membrane protein (Lsamp), mRNA.	Mme-M400007327	ILMN_1255332	0	0
224092	Lsg1	0.223	0.048	-0.075	0	0	0	0	0	0	NM_178069	large subunit GTPase 1 homolog (S. cerevisiae) (Lsg1), mRNA.	Mme-M300003356	ILMN_1239569	0	0
67207	Lsm1	0.132	-0.118	-0.145	0	0	0	0	0	0	NM_026032	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm1), mRNA.	Mme-M200006890	ILMN_2556157	0	0
116748	Lsm10	0.154	0.009	0.033	0	0	0	0	0	0	NM_138721	U7 snRNP-specific Sm-like protein LSM10 (Lsm10), mRNA.	Mme-M400003658	ILMN_2725429	0	0
72290	Lsm11	-0.172	-0.095	0.012	0	0	0	0	0	0	NM_028185	U7 snRNP-specific Sm-like protein LSM11 (Lsm11), mRNA.	Mme-M400017940	ILMN_2648277	0	0
268490	Lsm12	0.207	-0.204	0.289	0	0	0	0	0	0	NM_172947	LSM12 homolog (S. cerevisiae) (Lsm12), mRNA.	Mme-M300002473	ILMN_2963580	0	0
67070	Lsm14a	0.180	-0.165	0.030	0	0	0	0	0	0	NM_025948	LSM14 homolog A (SCD6, S. cerevisiae) (Lsm14a), mRNA.	Mme-M200005926	ILMN_2748914	0	0
241846	Lsm14b	-0.215	-0.131	0.157	0	0	0	0	0	0	NM_177727	LSM14 homolog B (SCD6, S. cerevisiae) (Lsm14b), mRNA.	Mme-M300011959	ILMN_2613313	0	0
27756	Lsm2	0.341	-0.165	0.105	0	0	0	0	0	0	NM_001110101	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm2), transcript variant 2, mRNA.	Mme-M300000874	ILMN_2800151	0	0
67678	Lsm3	0.256	0.244	0.017	0	0	0	0	0	0	NM_026309	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm3), mRNA.	Mme-M200006173	ILMN_2837865	0	0
50783	Lsm4	0.133	-0.037	-0.007	0	0	0	0	0	0	NM_015816	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm4), mRNA.	Mme-M200003328	ILMN_2903511	0	0
66373	Lsm5	0.318	0.150	0.169	0	0	0	0	0	0	NM_025520	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm5), mRNA.	Mme-M400007081	ILMN_2971946	0	0
78651	Lsm6	0.384	0.256	-0.120	0	0	0	0	0	0	NM_030145	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm6), mRNA.	Mme-M400006392	ILMN_1251056	0	0
66094	Lsm7	0.455	0.134	-0.023	0	0	0	0	0	0	NM_025349	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm7), mRNA.	Mme-M400011474	ILMN_1233901	0	0
76522	Lsm8	0.293	0.200	0.173	0	0	0	0	0	0	NM_133939	LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae) (Lsm8), mRNA.	Mme-M200003100	ILMN_2883907	0	0
380755	Lsmem1	-0.084	0.200	-0.058	0	0	0	0	0	0	NM_001033437	gene model 889, (NCBI) (Gm889), mRNA.	Mme-M300015229	ILMN_2924715	0	0
434436	Lsmem2	-0.233	0.123	-0.001	0	0	0	0	0	0	NM_001081244	cDNA sequence BY080835 (BY080835), mRNA.	Mme-M400002971	ILMN_3030685	0	0
54135	Lsr	0.263	-0.404	0.171	0	0	0	0	0	0	NM_017405	lipolysis stimulated lipoprotein receptor (Lsr), mRNA.	Mme-M200001575	ILMN_2716185	0	0
16987	Lss	0.088	-0.052	0.184	0	0	0	0	0	0	NM_146006	lanosterol synthase (Lss), mRNA.	Mme-M400011920	ILMN_2614161	0	0
16988	Lst1	0.166	0.409	0.167	0	0	0	0	0	0	NM_010734	leukocyte specific transcript 1 (Lst1), mRNA.	Mme-M400011064	ILMN_2609323	0	0
16992	Lta	-0.036	0.102	0.107	0	0	0	0	0	0	NM_010735	lymphotoxin A (Lta), mRNA.	Mme-M200015911	ILMN_2780247	0	0
16993	Lta4h	0.275	0.041	-0.047	0	0	0	0	0	0	NM_008517	leukotriene A4 hydrolase (Lta4h), mRNA.	Mme-M200000190	ILMN_2739486	0	0
16994	Ltb	-0.100	0.503	0.231	0	1	0	0	0	0	NM_008518	lymphotoxin B (Ltb), mRNA.	Mme-M200000678	ILMN_1258283	0	0
16995	Ltb4r1	0.241	0.190	-0.014	0	0	0	0	0	0	NM_008519	leukotriene B4 receptor 1 (Ltb4r1), mRNA.	Mme-M200003960	ILMN_1220609	0	0
57260	Ltb4r2	0.087	-0.061	-0.018	0	0	0	0	0	0	NM_020490	leukotriene B4 receptor 2 (Ltb4r2), mRNA.	Mme-M400011364	ILMN_2709729	0	0
268977	Ltbp1	0.029	0.107	0.138	0	0	0	0	0	0	NM_206958	latent transforming growth factor beta binding protein 1 (Ltbp1), transcript variant 2, mRNA.	Mme-M200003756	ILMN_1221564	0	0
108075	Ltbp4	0.388	0.144	-0.087	0	0	0	0	0	0	NM_001113549	latent transforming growth factor beta binding protein 4 (Ltbp4), transcript variant 2, mRNA.	Mme-M200006565	ILMN_2829262	0	0
17000	Ltbr	-0.227	0.077	0.015	0	0	0	0	0	0	NM_010736	lymphotoxin B receptor (Ltbr), mRNA.	Mme-M300007152	ILMN_2757582	0	0
17001	Ltc4s	0.526	-0.011	-0.155	0	0	0	0	0	0	NM_008521	leukotriene C4 synthase (Ltc4s), mRNA.	Mme-M200001586	ILMN_2658687	0	0
17002	Ltf	0.310	0.119	0.384	0	0	1	0	0	0	NM_008522	lactotransferrin (Ltf), mRNA.	Mme-M200002577	ILMN_2754364	0	0
17005	Ltk	-0.043	0.058	-0.027	0	0	0	0	0	0	NM_008523	leukocyte tyrosine kinase (Ltk), transcript variant 1, mRNA.	Mme-M300005570	ILMN_3126724	0	0
78913	Ltn1	-0.074	-0.099	-0.035	0	0	0	0	0	0	NM_001081068	zinc finger protein 294 (Zfp294), mRNA.	Mme-M400004065	ILMN_2429721	0	0
66978	Luc7l	-0.116	0.064	-0.191	0	0	0	0	0	0	NM_025881	Luc7 homolog (S. cerevisiae)-like (Luc7l), transcript variant 1, mRNA.	Mme-M300003969	ILMN_2703748	0	0
192196	Luc7l2	-0.136	-0.057	-0.058	0	0	0	0	0	0	NM_138680	LUC7-like 2 (S. cerevisiae) (Luc7l2), mRNA.	Mme-M300006893	ILMN_2765407	0	0
67684	Luc7l3	0.251	-0.168	-0.319	0	0	-1	0	0	0	NM_026313	RIKEN cDNA 3300001P08 gene (3300001P08Rik), mRNA.	Mme-M200007024	ILMN_2638778	0	0
17022	Lum	0.387	0.245	-0.077	0	0	0	0	0	0	NM_008524	lumican (Lum), mRNA.	Mme-M200003701	ILMN_3001540	0	0
68075	Lurap1	-0.109	-0.059	-0.038	0	0	0	0	0	0	XM_204182	PREDICTED: RIKEN cDNA 1520402A15 gene (1520402A15Rik), mRNA.	Mme-M200011602	ILMN_1248601	0	0
52829	Lurap1l	-0.255	-0.341	-0.006	0	0	0	0	0	0	NM_026821	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed (D4Bwg0951e), mRNA.	Mme-M200007845	ILMN_2646296	0	0
269593	Luzp1	-0.130	0.150	-0.109	0	0	0	0	0	0	NM_024452	leucine zipper protein 1 (Luzp1), mRNA.	Mme-M200016106	ILMN_2718645	0	0
233271	Luzp2	-0.165	-0.124	0.182	0	0	0	0	0	0	NM_178705	leucine zipper protein 2 (Luzp2), mRNA.	Mme-M400008213	ILMN_1256309	0	0
17035	Lxn	-0.179	-0.025	0.131	0	0	0	0	0	0	NM_016753	latexin (Lxn), mRNA.	Mme-M300021582	ILMN_2694275	0	0
110454	Ly6a	0.674	0.885	0.413	1	1	1	0	1	1	NM_010738	lymphocyte antigen 6 complex, locus A (Ly6a), mRNA.	Mme-M400000587	ILMN_1255416	2	0
17067	Ly6c1	0.204	0.374	0.170	0	0	0	0	0	0	NM_010741	lymphocyte antigen 6 complex, locus C1 (Ly6c1), mRNA.	Mme-M300009411	ILMN_1254927	0	0
17068	Ly6d	-0.379	0.260	0.097	0	0	0	0	0	0	NM_010742	lymphocyte antigen 6 complex, locus D (Ly6d), mRNA.	Mme-M200000312	ILMN_2803920	0	0
17069	Ly6e	0.394	0.879	0.186	0	1	0	0	1	0	NM_008529	lymphocyte antigen 6 complex, locus E (Ly6e), mRNA.	Mme-M200000279	ILMN_2776278	1	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
17071	Ly6f	0.265	0.118	-0.022	0	0	0	0	0	0	NM_008530	lymphocyte antigen 6 complex, locus F (Ly6f), mRNA.	Mme-M400000586	ILMN_1213836	0	0
266614	Ly6g5b	-0.029	0.179	0.047	0	0	0	0	0	0	NM_148939	lymphocyte antigen 6 complex, locus G5B (Ly6g5b), mRNA.	Mme-M300014868	ILMN_2608000	0	0
114652	Ly6g5c	-0.231	0.057	0.003	0	0	0	0	0	0	NM_148947	lymphocyte antigen 6 complex, locus G5C (Ly6g5c), mRNA.	Mme-M300009376	ILMN_2697910	0	0
68468	Ly6g6c	0.007	-0.061	0.102	0	0	0	0	0	0	NM_023463	lymphocyte antigen 6 complex, locus G6C (Ly6g6c), mRNA.	Mme-M300000872	ILMN_1251725	0	0
114654	Ly6g6d	-0.267	-0.029	-0.058	0	0	0	0	0	0	NM_033478	lymphocyte antigen 6 complex, locus G6D (Ly6g6d), mRNA.	Mme-M200016197	ILMN_2599251	0	0
70274	Ly6g6e	-0.398	0.045	0.060	0	0	0	0	0	0	NM_027366	lymphocyte antigen 6 complex, locus G6E (Ly6g6e), mRNA.	Mme-M300001238	ILMN_2991389	0	0
57248	Ly6i	0.311	0.041	-0.003	0	0	0	0	0	0	NM_020498	lymphocyte antigen 6 complex, locus I (Ly6i), mRNA.	Mme-M300003394	ILMN_2741556	0	0
76486	Ly6k	0.159	-0.085	0.075	0	0	0	0	0	0	NM_029627	lymphocyte antigen 6 complex, locus K (Ly6k), mRNA.	Mme-M200014514	ILMN_2636229	0	0
17084	Ly86	0.322	0.460	0.411	0	1	1	0	0	1	NM_010745	lymphocyte antigen 86 (Ly86), mRNA.	Mme-M300002751	ILMN_2671923	1	0
17085	Ly9	0.159	0.516	0.292	0	1	0	0	0	0	NM_008534	lymphocyte antigen 9 (Ly9), mRNA.	Mme-M400010837	ILMN_1231309	0	0
17087	Ly96	0.060	0.045	0.110	0	0	0	0	0	0	NM_016923	lymphocyte antigen 96 (Ly96), mRNA.	Mme-M200008833	ILMN_2743003	0	0
17089	Lyar	-0.071	-0.116	-0.114	0	0	0	0	0	0	NM_025281	Ly1 antibody reactive clone (Lyar), mRNA.	Mme-M400011468	ILMN_2651126	0	0
69541	Lyg1	0.002	-0.086	0.052	0	0	0	0	0	0	NM_027111	lysozyme G-like 1 (Lyg1), mRNA.	Mme-M200014504	ILMN_2674398	0	0
332427	Lyg2	-0.014	-0.016	-0.140	0	0	0	0	0	0	NM_001033427	lysozyme G-like 2 (Lyg2), mRNA.	Mme-M400007441	ILMN_2527040	0	0
17095	Lyl1	0.137	0.234	-0.006	0	0	0	0	0	0	NM_008535	lymphoblastomic leukemia (Lyl1), mRNA.	Mme-M200002036	ILMN_2612255	0	0
17096	Lyn	-0.361	0.082	0.001	0	0	0	0	0	0	NM_010747	Yamaguchi sarcoma viral (v-yes-1) oncogene homolog (Lyn), transcript variant 2, mRNA.	Mme-M400002593	ILMN_2596887	0	0
23936	Lynx1	-0.050	0.087	-0.050	0	0	0	0	0	0	NM_011838	Ly6/neurotoxin 1 (Lynx1), mRNA.	Mme-M200007732	ILMN_1256369	0	0
72585	Lypd1	-0.236	0.127	-0.008	0	0	0	0	0	0	NM_145100	Ly6/Plaur domain containing 1 (Lypd1), mRNA.	Mme-M200007256	ILMN_1239134	0	0
68311	Lypd2	-0.002	0.002	-0.105	0	0	0	0	0	0	NM_026671	Ly6/Plaur domain containing 2 (Lypd2), mRNA.	Mme-M200007405	ILMN_1248788	0	0
72434	Lypd3	-0.037	-0.016	0.032	0	0	0	0	0	0	NM_133743	Ly6/Plaur domain containing 3 (Lypd3), mRNA.	Mme-M200014714	ILMN_1248916	0	0
232973	Lypd4	-0.224	0.082	-0.078	0	0	0	0	0	0	NM_182785	Ly6/Plaur domain containing 4 (Lypd4), mRNA.	Mme-M300019944	ILMN_2600135	0	0
320343	Lypd6	0.166	-0.251	-0.069	0	0	0	0	0	0	NM_177139	LY6/PLAUR domain containing 6 (Lypd6), mRNA.	Mme-M300021145	ILMN_2729745	0	0
71897	Lypd6b	-0.127	-0.201	-0.184	0	0	0	0	0	0	NM_027990	RIKEN cDNA 2310010M24 gene (2310010M24Rik), mRNA.	Mme-M200013570	ILMN_2596998	0	0
70163	Lypd8	-0.054	0.019	0.031	0	0	0	0	0	0	NM_027339	RIKEN cDNA 2210415F13 gene (2210415F13Rik), transcript variant 2, mRNA.	Mme-M200004795	ILMN_1227061	0	0
18777	Lypla1	0.332	0.074	0.138	0	0	0	0	0	0	NM_008866	lysophospholipase 1 (Lypla1), mRNA.	Mme-M200016077	ILMN_2873319	0	0
26394	Lypla2	-0.057	-0.048	0.002	0	0	0	0	0	0	NM_011942	lysophospholipase 2 (Lypla2), mRNA.	Mme-M200007536	ILMN_1228132	0	0
226791	Lyplal1	0.075	-0.361	0.074	0	0	0	0	0	0	NM_146106	lysophospholipase-like 1 (Lyplal1), mRNA.	Mme-M300012061	ILMN_1248108	0	0
73919	Lyrm1	0.131	-0.020	-0.021	0	0	0	0	0	0	NM_029610	LYR motif containing 1 (Lyrm1), mRNA.	Mme-M300007503	ILMN_2804900	0	0
108755	Lyrm2	0.153	-0.204	-0.137	0	0	0	0	0	0	NM_175364	LYR motif containing 2 (Lyrm2), mRNA.	Mme-M300016780	ILMN_2739340	0	0
380840	Lyrm4	-0.051	-0.040	0.081	0	0	0	0	0	0	NM_201358	LYR motif containing 4 (Lyrm4), mRNA.	Mme-M300017466	ILMN_1221211	0	0
67636	Lyrm5	0.327	0.007	-0.001	0	0	0	0	0	0	NM_133688	LYR motif containing 5 (Lyrm5), mRNA.	Mme-M200014614	ILMN_2822141	0	0
66274	Lyrm9	0.225	0.003	0.030	0	0	0	0	0	0	NM_001076681	RIKEN cDNA 1810012P15 gene (1810012P15Rik), mRNA.	Mme-M400005957	ILMN_1229428	0	0
217779	Lysmd1	0.063	-0.113	0.160	0	0	0	0	0	0	NM_028134	LysM, putative peptidoglycan-binding, domain containing 1 (Lysmd1), mRNA.	Mme-M400004580	ILMN_3142193	0	0
70082	Lysmd2	0.159	-0.077	0.014	0	0	0	0	0	0	NM_027309	LysM, putative peptidoglycan-binding, domain containing 2 (Lysmd2), mRNA.	Mme-M400011600	ILMN_1239808	0	0
80289	Lysmd3	-0.207	0.068	0.146	0	0	0	0	0	0	NM_030257	LysM, putative peptidoglycan-binding, domain containing 3 (Lysmd3), mRNA.	Mme-M200009851	ILMN_2642489	0	0
75099	Lysmd4	0.140	0.037	0.050	0	0	0	0	0	0	NM_175215	LysM, putative peptidoglycan-binding, domain containing 4 (Lysmd4), mRNA.	Mme-M300014890	ILMN_2701435	0	0
17101	Lyst	0.244	0.070	0.041	0	0	0	0	0	0	NM_010748	lysosomal trafficking regulator (Lyst), mRNA.	Mme-M300001808	ILMN_2686361	0	0
114332	Lyve1	0.211	-0.119	0.022	0	0	0	0	0	0	NM_053247	lymphatic vessel endothelial hyaluronan receptor 1 (Lyve1), mRNA.	Mme-M200003009	ILMN_2483304	0	0
17110	Lyz1	0.484	0.145	0.299	0	0	0	0	0	0	NM_013590	lysozyme 1 (Lyz1), mRNA.	Mme-M400000367	ILMN_1247933	0	0
67328	Lyzl1	-0.253	0.004	-0.040	0	0	0	0	0	0	NM_026092	lysozyme-like 1 (Lyzl1), mRNA.	Mme-M300004008	ILMN_2618942	0	0
69032	Lyzl4	-0.337	-0.215	-0.059	0	0	0	0	0	0	NM_026915	lysozyme-like 4 (Lyzl4), mRNA.	Mme-M400001476	ILMN_1232761	0	0
69444	Lyzl6	0.149	0.030	0.030	0	0	0	0	0	0	NM_027083	lysozyme-like 6 (Lyzl6), mRNA.	Mme-M200003807	ILMN_1236299	0	0
69151	Lzic	-0.028	0.162	-0.154	0	0	0	0	0	0	NM_026963	leucine zipper and CTNNBIP1 domain containing (Lzic), mRNA.	Mme-M200014190	ILMN_1240544	0	0
93730	Lztfl1	0.092	0.113	0.100	0	0	0	0	0	0	NM_033322	leucine zipper transcription factor-like 1 (Lztfl1), mRNA.	Mme-M400000809	ILMN_1242630	0	0
66863	Lztr1	0.084	-0.184	0.008	0	0	0	0	0	0	NM_025808	leucine-zipper-like transcriptional regulator, 1 (Lztr1), mRNA.	Mme-M200007759	ILMN_2681492	0	0
211134	Lzts1	0.075	-0.146	0.009	0	0	0	0	0	0	NM_199364	leucine zipper, putative tumor suppressor 1 (Lzts1), mRNA.	Mme-M300010325	ILMN_2953460	0	0
241638	Lzts3	-0.126	0.041	-0.116	0	0	0	0	0	0	NM_197945	ProSAPiP1 protein (Prosapip1), mRNA.	Mme-M300011079	ILMN_1243722	0	0
110958	M1ap	0.157	0.058	0.040	0	0	0	0	0	0	NM_033079	DNA segment, Chr 6, Miriam Meisler 5, expressed (D6Mm5e), mRNA.	Mme-M200008414	ILMN_1215592	0	0
17113	M6pr	0.235	-0.197	0.104	0	0	0	0	0	0	NM_010749	mannose-6-phosphate receptor, cation dependent (M6pr), mRNA.	Mme-M200000530	ILMN_1238376	0	0
320214	Maats1	-0.265	-0.026	-0.141	0	0	0	0	0	0	NM_001081025	RIKEN cDNA 4932425I24 gene (4932425I24Rik), mRNA.	Mme-M300003514	ILMN_2679908	0	0
17116	Mab21l1	0.093	0.089	-0.063	0	0	0	0	0	0	NM_010750	mab-21-like 1 (C. elegans) (Mab21l1), mRNA.	Mme-M300019719	ILMN_1212752	0	0
23937	Mab21l2	-0.102	0.069	-0.071	0	0	0	0	0	0	NM_011839	mab-21-like 2 (C. elegans) (Mab21l2), mRNA.	Mme-M400006065	ILMN_2595346	0	0
242125	Mab21l3	-0.660	0.014	-0.071	-1	0	0	0	0	0	NM_172295	cDNA sequence BC037703 (BC037703), mRNA.	Mme-M300015338	ILMN_3005789	0	0
238455	Macc1	0.064	-0.147	0.007	0	0	0	0	0	0	XM_138397	PREDICTED: RIKEN cDNA 4732474O15 gene (4732474O15Rik), mRNA.	Mme-M300013414	ILMN_2685733	0	0
107227	Macrod1	0.475	-0.195	-0.182	0	0	0	0	0	0	NM_134147	MACRO domain containing 1 (Macrod1), mRNA.	Mme-M200008053	ILMN_2683986	0	0
72899	Macrod2	0.094	0.143	-0.276	0	0	0	0	0	0	NM_001013802	MACRO domain containing 2 (Macrod2), transcript variant 1, mRNA.	Mme-M400001006	ILMN_2535881	0	0
17120	Mad1l1	-0.226	0.196	-0.085	0	0	0	0	0	0	NM_010752	mitotic arrest deficient 1-like 1 (Mad1l1), mRNA.	Mme-M300006735	ILMN_2758523	0	0
56150	Mad2l1	0.392	0.112	0.169	0	0	0	0	0	0	NM_019499	MAD2 (mitotic arrest deficient, homolog)-like 1 (yeast) (Mad2l1), mRNA.	Mme-M300006943	ILMN_2778872	0	0
66591	Mad2l1bp	-0.083	0.128	-0.145	0	0	0	0	0	0	NM_025649	MAD2L1 binding protein (Mad2l1bp), mRNA.	Mme-M200005697	ILMN_1221616	0	0
71890	Mad2l2	0.033	0.074	0.042	0	0	0	0	0	0	NM_027985	MAD2 mitotic arrest deficient-like 2 (yeast) (Mad2l2), mRNA.	Mme-M200002809	ILMN_2707015	0	0
17123	Madcam1	-0.300	0.096	-0.029	0	0	0	0	0	0	NM_013591	mucosal vascular addressin cell adhesion molecule 1 (Madcam1), mRNA.	Mme-M300002126	ILMN_2865448	0	0
228355	Madd	-0.062	-0.087	-0.084	0	0	0	0	0	0	NM_145527	MAP-kinase activating death domain (Madd), mRNA.	Mme-M400010237	ILMN_2658931	0	0
59003	Maea	-0.114	0.144	-0.103	0	0	0	0	0	0	NM_021500	macrophage erythroblast attacher (Maea), mRNA.	Mme-M300006499	ILMN_2763602	0	0
98558	Mael	-0.283	0.063	-0.102	0	0	0	0	0	0	NM_175296	maelstrom homolog (Drosophila) (Mael), mRNA.	Mme-M300012772	ILMN_2671385	0	0
17132	Maf	-0.336	-0.115	0.203	0	0	0	0	0	0	NM_001025577	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog (Maf), mRNA.	Mme-M400005175	ILMN_2473066	0	0
68877	Maf1	0.127	-0.155	-0.029	0	0	0	0	0	0	NM_026859	MAF1 homolog (S. cerevisiae) (Maf1), mRNA.	Mme-M200003724	ILMN_2741538	0	0
378435	Mafa	-0.149	-0.095	-0.105	0	0	0	0	0	0	NM_194350	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein A (avian) (Mafa), mRNA.	Mme-M400003318	ILMN_3157896	0	0
16658	Mafb	0.348	0.069	-0.014	0	0	0	0	0	0	NM_010658	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian) (Mafb), mRNA.	Mme-M400011054	ILMN_2766651	0	0
17133	Maff	0.207	-0.035	0.056	0	0	0	0	0	0	NM_010755	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian) (Maff), mRNA.	Mme-M200015749	ILMN_1256996	0	0
17134	Mafg	0.008	-0.271	0.033	0	0	0	0	0	0	NM_010756	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian) (Mafg), mRNA.	Mme-M200005897	ILMN_2764883	0	0
17135	Mafk	0.468	0.089	0.070	0	0	0	0	0	0	NM_010757	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian) (Mafk), mRNA.	Mme-M200000058	ILMN_2683831	0	0
17136	Mag	-0.001	0.027	0.101	0	0	0	0	0	0	NM_010758	myelin-associated glycoprotein (Mag), mRNA.	Mme-M300010471	ILMN_1237021	0	0
17137	Magea1	-0.014	0.039	0.044	0	0	0	0	0	0	NM_020015	melanoma antigen, family A, 1 (Magea1), mRNA.	Mme-M400008540	ILMN_2763422	0	0
236852	Magea10	-0.176	-0.002	-0.004	0	0	0	0	0	0	NM_001085506	melanoma antigen family A, 10 (Magea10), mRNA.	Mme-M400002755	ILMN_1216864	0	0
17138	Magea2	0.129	-0.075	0.055	0	0	0	0	0	0	NM_020016	melanoma antigen, family A, 2 (Magea2), mRNA.	Mme-M400005280	ILMN_2824926	0	0
17139	Magea3	-0.337	0.000	-0.008	0	0	0	0	0	0	NM_020017	melanoma antigen, family A, 3 (Magea3), mRNA.	Mme-M400011351	ILMN_2767393	0	0
17140	Magea4	-0.170	-0.022	0.045	0	0	0	0	0	0	NM_020280	melanoma antigen, family A, 4 (Magea4), mRNA.	Mme-M400001549	ILMN_2772977	0	0
17141	Magea5	-0.059	0.074	0.058	0	0	0	0	0	0	NM_020018	melanoma antigen, family A, 5 (Magea5), mRNA.	Mme-M400005305	ILMN_1233373	0	0
17142	Magea6	0.111	0.012	0.005	0	0	0	0	0	0	NM_020019	melanoma antigen, family A, 6 (Magea6), mRNA.	Mme-M400008386	ILMN_2694973	0	0
17143	Magea7-ps	-0.502	-0.032	-0.042	0	0	0	0	0	0	XM_001481306	PREDICTED: melanoma antigen, family A, 7 (Magea7), mRNA.	Mme-M400011362	ILMN_1244151	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
17144	Magea8	-0.046	0.025	-0.009	0	0	0	0	0	0	NM_020020	melanoma antigen, family A, 8 (Magea8), mRNA.	Mme-M400006857	ILMN_2770293	0	0
195772	Magea9-ps	-0.017	-0.087	-0.022	0	0	0	0	0	0	NM_181855	melanoma antigen, family A, 9 (Magea9), mRNA.	Mme-M300017217	ILMN_1252512	0	0
17145	Mageb1	-0.188	-0.017	-0.035	0	0	0	0	0	0	NM_010759	melanoma antigen, family B, 1 (Mageb1), mRNA.	Mme-M400011066	ILMN_2601802	0	0
215641	Mageb18	-0.038	-0.022	0.048	0	0	0	0	0	0	NM_173783	melanoma antigen family B, 18 (Mageb18), mRNA.	Mme-M400012272	ILMN_2700728	0	0
17146	Mageb2	0.014	0.000	0.095	0	0	0	0	0	0	NM_031171	melanoma antigen, family B, 2 (Mageb2), mRNA.	Mme-M400011715	ILMN_1246723	0	0
17147	Mageb3	-0.034	0.082	-0.116	0	0	0	0	0	0	NM_008545	melanoma antigen, family B, 3 (Mageb3), mRNA.	Mme-M400010839	ILMN_1246766	0	0
434903	Mageb4	-0.529	0.066	0.081	0	0	0	0	0	0	NM_001033492	expressed sequence CN716893 (CN716893), mRNA.	Mme-M400002032	ILMN_3039183	0	0
94275	Maged1	0.131	-0.040	-0.022	0	0	0	0	0	0	NM_019791	melanoma antigen, family D, 1 (Maged1), mRNA.	Mme-M200005610	ILMN_2661125	0	0
80884	Maged2	0.175	-0.082	-0.247	0	0	0	0	0	0	NM_030700	melanoma antigen, family D, 2 (Maged2), mRNA.	Mme-M200004435	ILMN_2600565	0	0
107528	Magee1	0.037	-0.107	0.042	0	0	0	0	0	0	NM_053201	melanoma antigen, family E, 1 (Magee1), mRNA.	Mme-M400011772	ILMN_1220482	0	0
272790	Magee2	-0.115	0.019	-0.121	0	0	0	0	0	0	NM_053206	melanoma antigen, family E, 2 (Magee2), mRNA.	Mme-M300007622	ILMN_2477690	0	0
75625	Mageh1	0.138	0.086	-0.291	0	0	0	0	0	0	NM_023788	melanoma antigen, family H, 1 (Mageh1), mRNA.	Mme-M200002448	ILMN_1234322	0	0
27385	Magel2	-0.750	0.026	-0.081	-1	0	0	0	0	0	XM_622091	PREDICTED: melanoma antigen, family L, 2 (Magel2), mRNA.	Mme-M200014211	ILMN_2694539	0	0
14924	Magi1	-0.078	-0.080	-0.119	0	0	0	0	0	0	NM_001083321	membrane associated guanylate kinase, WW and PDZ domain containing 1 (Magi1), transcript variant 4, mRNA.	Mme-M300008977	ILMN_3056789	0	0
50791	Magi2	-0.041	0.022	0.017	0	0	0	0	0	0	NM_015823	membrane associated guanylate kinase, WW and PDZ domain containing 2 (Magi2), mRNA.	Mme-M300012481	ILMN_1238370	0	0
99470	Magi3	-0.253	-0.253	-0.022	0	0	0	0	0	0	NM_133853	membrane associated guanylate kinase, WW and PDZ domain containing 3 (Magi3), mRNA.	Mme-M300008514	ILMN_1227237	0	0
54634	Magix	-0.214	-0.244	-0.074	0	0	0	0	0	0	NM_018832	MAGI family member, X-linked (Magix), mRNA.	Mme-M300007579	ILMN_2705203	0	0
17149	Magoh	0.551	-0.086	0.060	0	0	0	0	0	0	NM_010760	mago-nashi homolog, proliferation-associated (Drosophila) (Magoh), mRNA.	Mme-M200000288	ILMN_2668114	0	0
66441	Magohb	0.285	0.040	0.052	0	0	0	0	0	0	NM_025564	mago-nashi homolog B (Drosophila) (Magohb), mRNA.	Mme-M200014564	ILMN_1223176	0	0
17152	Mak	0.179	-0.026	-0.031	0	0	0	0	0	0	NM_008547	male germ cell-associated kinase (Mak), mRNA.	Mme-M400010840	ILMN_1221665	0	0
67920	Mak16	0.209	0.219	-0.131	0	0	0	0	0	0	NM_026453	RNA binding motif protein 13 (Rbm13), mRNA.	Mme-M300007804	ILMN_3009910	0	0
17153	Mal	0.076	0.155	0.264	0	0	0	0	0	0	NM_010762	myelin and lymphocyte protein, T-cell differentiation protein (Mal), mRNA.	Mme-M200008154	ILMN_1224029	0	0
105853	Mal2	0.163	-0.101	-0.144	0	0	0	0	0	0	NM_178920	mal, T-cell differentiation protein 2 (Mal2), mRNA.	Mme-M300004159	ILMN_1252628	0	0
228576	Mall	0.250	0.115	0.014	0	0	0	0	0	0	NM_145532	mal, T-cell differentiation protein-like (Mall), mRNA.	Mme-M300005609	ILMN_1224279	0	0
240354	Malt1	-0.032	-0.109	0.049	0	0	0	0	0	0	NM_172833	mucosa associated lymphoid tissue lymphoma translocation gene 1 (Malt1), mRNA.	Mme-M300008387	ILMN_1216818	0	0
71738	Mamdc2	-0.712	-0.008	0.037	-1	0	0	0	0	0	NM_174857	MAM domain containing 2 (Mamdc2), mRNA.	Mme-M200014701	ILMN_2750558	0	0
381352	Mamdc4	0.223	0.069	0.066	0	0	0	0	0	0	NM_001081199	MAM domain containing 4 (Mamdc4), mRNA.	Mme-M300005396	ILMN_2831908	0	0
103806	Maml1	0.196	0.057	-0.069	0	0	0	0	0	0	NM_175334	mastermind like 1 (Drosophila) (Maml1), mRNA.	Mme-M300010456	ILMN_2841043	0	0
433586	Maml3	0.072	-0.015	0.024	0	0	0	0	0	0	NM_001004176	mastermind like 3 (Drosophila) (Maml3), mRNA.	Mme-M400007333	ILMN_2950067	0	0
333639	Mamld1	0.056	0.077	-0.037	0	0	0	0	0	0	NM_001081354	mastermind-like domain containing 1 (Mamld1), mRNA.	Mme-M300010095	ILMN_1258866	0	0
74490	Mamstr	-0.148	0.085	-0.012	0	0	0	0	0	0	XM_001476117	PREDICTED: RIKEN cDNA 5430432N15 gene (5430432N15Rik), mRNA.	Mme-M200008713	ILMN_2622089	0	0
17155	Man1a	0.338	-0.031	-0.040	0	0	0	0	0	0	NM_008548	mannosidase 1, alpha (Man1a), mRNA.	Mme-M400000078	ILMN_2715319	0	0
17156	Man1a2	-0.117	-0.166	0.169	0	0	0	0	0	0	NM_010763	mannosidase, alpha, class 1A, member 2 (Man1a2), mRNA.	Mme-M200001719	ILMN_1259724	0	0
227619	Man1b1	0.098	-0.089	-0.002	0	0	0	0	0	0	NM_001029983	mannosidase, alpha, class 1B, member 1 (Man1b1), mRNA.	Mme-M200009257	ILMN_1239921	0	0
230815	Man1c1	0.016	0.120	0.082	0	0	0	0	0	0	NM_207237	mannosidase, alpha, class 1C, member 1 (Man1c1), mRNA.	Mme-M300010858	ILMN_1230894	0	0
17158	Man2a1	0.311	0.052	0.065	0	0	0	0	0	0	NM_008549	mannosidase 2, alpha 1 (Man2a1), mRNA.	Mme-M300003908	ILMN_1239578	0	0
140481	Man2a2	-0.338	0.129	0.122	0	0	0	0	0	0	NM_172903	mannosidase 2, alpha 2 (Man2a2), mRNA.	Mme-M300011827	ILMN_1226901	0	0
17159	Man2b1	0.027	-0.139	-0.075	0	0	0	0	0	0	NM_010764	mannosidase 2, alpha B1 (Man2b1), mRNA.	Mme-M400011067	ILMN_2707967	0	0
17160	Man2b2	0.360	0.195	0.007	0	0	0	0	0	0	NM_008550	mannosidase 2, alpha B2 (Man2b2), mRNA.	Mme-M200000271	ILMN_2605393	0	0
73744	Man2c1	0.086	-0.118	-0.113	0	0	0	0	0	0	NM_028636	mannosidase, alpha, class 2C, member 1 (Man2c1), mRNA.	Mme-M200006844	ILMN_1213449	0	0
110173	Manba	0.298	0.036	0.068	0	0	0	0	0	0	NM_027288	mannosidase, beta A, lysosomal (Manba), mRNA.	Mme-M200012009	ILMN_1243565	0	0
69161	Manbal	-0.054	-0.005	0.164	0	0	0	0	0	0	NM_026968	mannosidase, beta A, lysosomal-like (Manbal), mRNA.	Mme-M200016286	ILMN_1239448	0	0
242362	Manea	0.163	-0.035	-0.169	0	0	0	0	0	0	NM_172865	mannosidase, endo-alpha (Manea), mRNA.	Mme-M300012706	ILMN_2663065	0	0
215090	Maneal	-0.185	-0.255	-0.105	0	0	0	0	0	0	NM_001007573	gene model 50, (NCBI) (Gm50), mRNA.	Mme-M300013865	ILMN_1213547	0	0
74840	Manf	0.349	0.005	0.014	0	0	0	0	0	0	NM_029103	arginine-rich, mutated in early stage tumors (Armet), mRNA.	Mme-M200006651	ILMN_2597229	0	0
67729	Mansc1	-0.167	-0.179	0.212	0	0	0	0	0	0	NM_026345	MANSC domain containing 1 (Mansc1), mRNA.	Mme-M200015008	ILMN_2848273	0	0
17161	Maoa	0.119	0.106	-0.040	0	0	0	0	0	0	NM_173740	monoamine oxidase A (Maoa), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300004440	ILMN_2737954	0	0
109731	Maob	0.065	0.074	-0.063	0	0	0	0	0	0	NM_172778	monoamine oxidase B (Maob), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300012538	ILMN_2719069	0	0
74393	Map10	0.030	0.036	0.039	0	0	0	0	0	0	NM_028908	RIKEN cDNA 4933403G14 gene (4933403G14Rik), mRNA.	Mme-M300021588	ILMN_2666297	0	0
17754	Map1a	-0.302	-0.140	0.049	0	0	0	0	0	0	NM_032393	microtubule-associated protein 1 A (Mtap1a), mRNA.	Mme-M400000995	ILMN_2646070	0	0
17755	Map1b	-0.435	-0.400	-0.228	0	0	0	0	0	0	NM_008634	microtubule-associated protein 1B (Mtap1b), mRNA.	Mme-M200001684	ILMN_2737867	0	0
66734	Map1lc3a	-0.059	-0.156	0.042	0	0	0	0	0	0	NM_025735	microtubule-associated protein 1 light chain 3 alpha (Map1lc3a), mRNA.	Mme-M300005718	ILMN_2832682	0	0
67443	Map1lc3b	-0.119	-0.206	0.087	0	0	0	0	0	0	NM_026160	microtubule-associated protein 1 light chain 3 beta (Map1lc3b), mRNA.	Mme-M200005962	ILMN_1260033	0	0
270058	Map1s	0.071	0.135	-0.233	0	0	0	0	0	0	NM_173013	microtubule-associated protein 1S (Mtap1s), mRNA.	Mme-M300001779	ILMN_2657432	0	0
17756	Map2	0.054	0.057	-0.189	0	0	0	0	0	0	NM_008632	microtubule-associated protein 2 (Mtap2), transcript variant 2, mRNA.	Mme-M200000153	ILMN_3137552	0	0
26395	Map2k1	0.185	-0.025	-0.010	0	0	0	0	0	0	NM_008927	mitogen-activated protein kinase kinase 1 (Map2k1), mRNA.	Mme-M200000386	ILMN_2714534	0	0
26396	Map2k2	0.081	-0.099	-0.211	0	0	0	0	0	0	NM_023138	mitogen-activated protein kinase kinase 2 (Map2k2), mRNA.	Mme-M300009659	ILMN_1258682	0	0
26397	Map2k3	0.420	0.117	-0.023	0	0	0	0	0	0	NM_008928	mitogen-activated protein kinase kinase 3 (Map2k3), mRNA.	Mme-M200003618	ILMN_2659644	0	0
26398	Map2k4	0.028	-0.189	0.074	0	0	0	0	0	0	NM_009157	mitogen-activated protein kinase kinase 4 (Map2k4), mRNA.	Mme-M300008734	ILMN_2920549	0	0
23938	Map2k5	-0.471	0.039	-0.060	0	0	0	0	0	0	NM_011840	mitogen-activated protein kinase kinase 5 (Map2k5), mRNA.	Mme-M200003792	ILMN_2639375	0	0
26399	Map2k6	-0.020	0.175	0.104	0	0	0	0	0	0	NM_011943	mitogen-activated protein kinase kinase 6 (Map2k6), mRNA.	Mme-M300002281	ILMN_2623856	0	0
26400	Map2k7	-0.405	0.049	0.069	0	0	0	0	0	0	NM_011944	mitogen-activated protein kinase kinase 7 (Map2k7), transcript variant 2, mRNA.	Mme-M300000352	ILMN_3035785	0	0
26401	Map3k1	-0.035	0.239	0.244	0	0	0	0	0	0	NM_011945	mitogen-activated protein kinase kinase kinase 1 (Map3k1), mRNA.	Mme-M200003404	ILMN_2614380	0	0
269881	Map3k10	-0.116	0.053	0.071	0	0	0	0	0	0	NM_001081292	mitogen-activated protein kinase kinase kinase 10 (Map3k10), mRNA.	Mme-M300012641	ILMN_2613415	0	0
26403	Map3k11	-0.036	0.085	-0.102	0	0	0	0	0	0	NM_022012	mitogen-activated protein kinase kinase kinase 11 (Map3k11), mRNA.	Mme-M200009253	ILMN_2736153	0	0
26404	Map3k12	0.061	0.046	0.082	0	0	0	0	0	0	NM_009582	mitogen-activated protein kinase kinase kinase 12 (Map3k12), mRNA.	Mme-M200001702	ILMN_2836006	0	0
71751	Map3k13	0.239	0.044	0.036	0	0	0	0	0	0	NM_172821	mitogen-activated protein kinase kinase kinase 13 (Map3k13), mRNA.	Mme-M400002736	ILMN_2753046	0	0
53859	Map3k14	-0.204	0.282	0.089	0	0	0	0	0	0	NM_016896	mitogen-activated protein kinase kinase kinase 14 (Map3k14), mRNA.	Mme-M200008594	ILMN_2665050	0	0
22625	Map3k19	0.000	-0.071	0.027	0	0	0	0	0	0	XM_914055	PREDICTED: Yeast Sps1/Ste20-related kinase 4 (S. cerevisiae) (Ysk4), mRNA.	Mme-M300022210	ILMN_1242250	0	0
26405	Map3k2	0.144	-0.099	-0.126	0	0	0	0	0	0	NM_011946	mitogen-activated protein kinase kinase kinase 2 (Map3k2), mRNA.	Mme-M400015335	ILMN_2614072	0	0
26406	Map3k3	0.098	0.223	-0.093	0	0	0	0	0	0	NM_011947	mitogen-activated protein kinase kinase kinase 3 (Map3k3), mRNA.	Mme-M200005399	ILMN_2592810	0	0
26407	Map3k4	-0.240	-0.028	-0.006	0	0	0	0	0	0	NM_011948	mitogen-activated protein kinase kinase kinase 4 (Map3k4), mRNA.	Mme-M300001297	ILMN_2588911	0	0
26408	Map3k5	-0.039	-0.167	0.097	0	0	0	0	0	0	NM_008580	mitogen-activated protein kinase kinase kinase 5 (Map3k5), mRNA.	Mme-M300001948	ILMN_2777842	0	0
53608	Map3k6	-0.368	-0.126	-0.096	0	0	0	0	0	0	NM_016693	mitogen-activated protein kinase kinase kinase 6 (Map3k6), mRNA.	Mme-M300006335	ILMN_2947292	0	0
26409	Map3k7	0.117	0.073	0.026	0	0	0	0	0	0	NM_172688	mitogen-activated protein kinase kinase kinase 7 (Map3k7), mRNA.	Mme-M300006032	ILMN_2707188	0	0
224419	Map3k7cl	-0.002	0.018	0.052	0	0	0	0	0	0	NM_144854	open reading frame 63 (ORF63), mRNA.	Mme-M300004716	ILMN_1260025	0	0
26410	Map3k8	0.080	0.244	0.220	0	0	0	0	0	0	NM_007746	mitogen-activated protein kinase kinase kinase 8 (Map3k8), mRNA.	Mme-M200001265	ILMN_1245924	0	0
338372	Map3k9	0.088	0.067	0.051	0	0	0	0	0	0	NM_177395	mitogen-activated protein kinase kinase kinase 9 (Map3k9), mRNA.	Mme-M400002658	ILMN_1259256	0	0
17758	Map4	-0.015	0.116	-0.092	0	0	0	0	0	0	NM_008633	microtubule-associated protein 4 (Mtap4), mRNA.	Mme-M200003107	ILMN_2723462	0	0
26411	Map4k1	-0.029	0.395	-0.023	0	0	0	0	0	0	NM_008279	mitogen-activated protein kinase kinase kinase kinase 1 (Map4k1), mRNA.	Mme-M300010878	ILMN_1252804	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
26412	Map4k2	-0.143	0.163	-0.020	0	0	0	0	0	0	NM_009006	mitogen-activated protein kinase kinase kinase kinase 2 (Map4k2), mRNA.	Mme-M400000784	ILMN_1213030	0	0
225028	Map4k3	0.144	-0.027	-0.002	0	0	0	0	0	0	NM_001081357	mitogen-activated protein kinase kinase kinase kinase 3 (Map4k3), mRNA.	Mme-M300004012	ILMN_2663805	0	0
26921	Map4k4	-0.107	0.020	0.047	0	0	0	0	0	0	NM_008696	mitogen-activated protein kinase kinase kinase kinase 4 (Map4k4), mRNA.	Mme-M200000358	ILMN_1233116	0	0
399510	Map4k5	0.204	-0.104	0.042	0	0	0	0	0	0	NM_201519	mitogen-activated protein kinase kinase kinase kinase 5 (Map4k5), mRNA.	Mme-M300009528	ILMN_1258888	0	0
17760	Map6	-0.068	-0.167	0.237	0	0	0	0	0	0	NM_001043355	microtubule-associated protein 6 (Mtap6), transcript variant 3, mRNA.	Mme-M200015752	ILMN_3108372	0	0
208158	Map6d1	-0.109	0.048	0.007	0	0	0	0	0	0	NM_198599	MAP6 domain containing 1 (Map6d1), mRNA.	Mme-M400002480	ILMN_2761405	0	0
17761	Map7	-0.187	-0.149	-0.141	0	0	0	0	0	0	NM_008635	microtubule-associated protein 7 (Mtap7), mRNA.	Mme-M200004009	ILMN_1252545	0	0
245877	Map7d1	0.015	-0.019	-0.099	0	0	0	0	0	0	NM_144941	microtubule-associated protein 7 domain containing 1 (Mtap7d1), mRNA.	Mme-M200012952	ILMN_2855590	0	0
78283	Map7d2	-0.305	-0.316	-0.068	0	0	0	0	0	0	NM_001081124	MAP7 domain containing 2 (Mtap7d2), mRNA.	Mme-M300012988	ILMN_2867651	0	0
213582	Map9	0.186	-0.131	-0.043	0	0	0	0	0	0	NM_001081230	microtubule-associated protein 9 (Mtap9), mRNA.	Mme-M300009014	ILMN_2827921	0	0
26413	Mapk1	0.224	-0.213	0.055	0	0	0	0	0	0	NM_011949	mitogen-activated protein kinase 1 (Mapk1), transcript variant 1, mRNA.	Mme-M400012853	ILMN_2649828	0	0
26414	Mapk10	0.164	-0.070	0.153	0	0	0	0	0	0	NM_009158	mitogen-activated protein kinase 10 (Mapk10), transcript variant 1, mRNA.	Mme-M300006609	ILMN_2778112	0	0
19094	Mapk11	-0.119	0.105	-0.173	0	0	0	0	0	0	NM_011161	mitogen-activated protein kinase 11 (Mapk11), mRNA.	Mme-M400004353	ILMN_2716622	0	0
29857	Mapk12	0.039	0.070	-0.121	0	0	0	0	0	0	NM_013871	mitogen-activated protein kinase 12 (Mapk12), mRNA.	Mme-M200008051	ILMN_2697615	0	0
26415	Mapk13	-0.679	0.032	-0.030	-1	0	0	0	0	0	NM_011950	mitogen-activated protein kinase 13 (Mapk13), mRNA.	Mme-M200005775	ILMN_2955452	0	0
26416	Mapk14	-0.012	0.087	0.053	0	0	0	0	0	0	NM_011951	mitogen-activated protein kinase 14 (Mapk14), mRNA.	Mme-M400004468	ILMN_2721809	0	0
332110	Mapk15	-0.126	-0.053	0.061	0	0	0	0	0	0	NM_177922	mitogen-activated protein kinase 15 (Mapk15), mRNA.	Mme-M300009341	ILMN_2859377	0	0
69546	Mapk1ip1	0.244	0.119	-0.172	0	0	0	0	0	0	NM_027115	mitogen-activated protein kinase 1 interacting protein 1 (Mapk1ip1), transcript variant 2, mRNA.	Mme-M400002546	ILMN_1224936	0	0
218975	Mapk1ip1l	0.285	-0.226	-0.071	0	0	0	0	0	0	NM_178684	mitogen-activated protein kinase 1 interacting protein 1-like (Mapk1ip1l), mRNA.	Mme-M400000517	ILMN_1254935	0	0
26417	Mapk3	-0.183	0.068	-0.183	0	0	0	0	0	0	NM_011952	mitogen-activated protein kinase 3 (Mapk3), mRNA.	Mme-M200002707	ILMN_2715744	0	0
225724	Mapk4	-0.114	0.013	0.102	0	0	0	0	0	0	NM_172632	mitogen-activated protein kinase 4 (Mapk4), mRNA.	Mme-M300004205	ILMN_1226868	0	0
50772	Mapk6	-0.263	0.244	0.147	0	0	0	0	0	0	NM_015806	mitogen-activated protein kinase 6 (Mapk6), transcript variant 1, mRNA.	Mme-M300013838	ILMN_3147112	0	0
23939	Mapk7	0.071	0.029	0.021	0	0	0	0	0	0	NM_011841	mitogen-activated protein kinase 7 (Mapk7), mRNA.	Mme-M200008022	ILMN_1232294	0	0
19099	Mapk8ip1	-0.054	-0.157	0.091	0	0	0	0	0	0	NM_011162	mitogen-activated protein kinase 8 interacting protein 1 (Mapk8ip1), mRNA.	Mme-M200001031	ILMN_2760485	0	0
60597	Mapk8ip2	-0.126	-0.077	-0.285	0	0	0	0	0	0	NM_021921	mitogen-activated protein kinase 8 interacting protein 2 (Mapk8ip2), mRNA.	Mme-M200009954	ILMN_3161718	0	0
30957	Mapk8ip3	-0.191	0.099	0.027	0	0	0	0	0	0	NM_013931	mitogen-activated protein kinase 8 interacting protein 3 (Mapk8ip3), mRNA.	Mme-M300003949	ILMN_2600660	0	0
26420	Mapk9	-0.027	-0.115	0.040	0	0	0	0	0	0	NM_207692	mitogen-activated protein kinase 9 (Mapk9), transcript variant 1, mRNA.	Mme-M300002149	ILMN_2716527	0	0
227743	Mapkap1	-0.078	-0.071	-0.113	0	0	0	0	0	0	NM_177345	mitogen-activated protein kinase associated protein 1 (Mapkap1), mRNA.	Mme-M300011725	ILMN_2659025	0	0
17164	Mapkapk2	0.305	0.236	-0.030	0	0	0	0	0	0	NM_008551	MAP kinase-activated protein kinase 2 (Mapkapk2), mRNA.	Mme-M200006619	ILMN_2614212	0	0
102626	Mapkapk3	-0.043	0.283	-0.019	0	0	0	0	0	0	NM_178907	mitogen-activated protein kinase-activated protein kinase 3 (Mapkapk3), mRNA.	Mme-M400012508	ILMN_2909346	0	0
17165	Mapkapk5	0.124	0.119	0.035	0	0	0	0	0	0	NM_010765	MAP kinase-activated protein kinase 5 (Mapkapk5), mRNA.	Mme-M400001168	ILMN_2682632	0	0
26390	Mapkbp1	0.037	0.191	-0.113	0	0	0	0	0	0	NM_011941	mitogen-activated protein kinase binding protein 1 (Mapkbp1), mRNA.	Mme-M200015983	ILMN_1220220	0	0
13589	Mapre1	0.210	-0.206	0.073	0	0	0	0	0	0	NM_007896	microtubule-associated protein, RP/EB family, member 1 (Mapre1), mRNA.	Mme-M300005660	ILMN_2664972	0	0
212307	Mapre2	-0.055	-0.210	-0.102	0	0	0	0	0	0	NM_153058	microtubule-associated protein, RP/EB family, member 2 (Mapre2), mRNA.	Mme-M300004030	ILMN_2909378	0	0
100732	Mapre3	-0.019	0.119	0.025	0	0	0	0	0	0	NM_133350	microtubule-associated protein, RP/EB family, member 3 (Mapre3), mRNA.	Mme-M200004453	ILMN_1232412	0	0
17762	Mapt	-0.167	0.077	0.107	0	0	0	0	0	0	NM_010838	microtubule-associated protein tau (Mapt), transcript variant 2, mRNA.	Mme-M400000289	ILMN_1257750	0	0
66112	Marc1	-0.294	-0.004	-0.107	0	0	0	0	0	0	NM_001081361	MOCO sulphurase C-terminal domain containing 1 (Mosc1), mRNA.	Mme-M200006788	ILMN_1246673	0	0
67247	Marc2	0.070	-0.163	0.090	0	0	0	0	0	0	NM_133684	MOCO sulphurase C-terminal domain containing 2 (Mosc2), mRNA.	Mme-M200011839	ILMN_2970788	0	0
72925	March1	-0.044	0.360	0.134	0	0	0	0	0	0	NM_175188	membrane-associated ring finger (C3HC4) 1 (March1), mRNA.	Mme-M300010396	ILMN_2918977	0	0
211147	March11	0.006	0.019	-0.028	0	0	0	0	0	0	NM_177597	membrane-associated ring finger (C3HC4) 11 (March11), mRNA.	Mme-M300003180	ILMN_1214840	0	0
224703	March2	0.201	-0.029	0.030	0	0	0	0	0	0	NM_145486	membrane-associated ring finger (C3HC4) 2 (March2), mRNA.	Mme-M200016006	ILMN_1236993	0	0
320253	March3	0.020	-0.055	-0.014	0	0	0	0	0	0	NM_177115	membrane-associated ring finger (C3HC4) 3 (March3), mRNA.	Mme-M300008369	ILMN_2939951	0	0
381270	March4	0.017	0.130	-0.277	0	0	0	0	0	0	NM_001045533	membrane-associated ring finger (C3HC4) 4 (March4), mRNA.	Mme-M400002247	ILMN_1227882	0	0
69104	March5	0.182	-0.258	0.110	0	0	0	0	0	0	NM_027314	membrane-associated ring finger (C3HC4) 5 (March5), mRNA.	Mme-M300003717	ILMN_2719498	0	0
223455	March6	-0.119	-0.215	0.125	0	0	0	0	0	0	NM_172606	membrane-associated ring finger (C3HC4) 6 (March6), mRNA.	Mme-M400008959	ILMN_1242572	0	0
57438	March7	0.208	-0.070	0.053	0	0	0	0	0	0	NM_020575	membrane-associated ring finger (C3HC4) 7 (March7), mRNA.	Mme-M200003583	ILMN_2711892	0	0
71779	March8	0.335	-0.014	0.071	0	0	0	0	0	0	NM_027920	membrane-associated ring finger (C3HC4) 8 (March8), mRNA.	Mme-M200005405	ILMN_1242531	0	0
216438	March9	0.052	-0.088	-0.083	0	0	0	0	0	0	NM_001033262	membrane-associated ring finger (C3HC4) 9 (March9), mRNA.	Mme-M400002386	ILMN_2600900	0	0
17118	Marcks	0.175	0.190	-0.024	0	0	0	0	0	0	NM_008538	myristoylated alanine rich protein kinase C substrate (Marcks), mRNA.	Mme-M400010838	ILMN_1256142	0	0
17357	Marcksl1	0.288	0.262	0.234	0	0	0	0	0	0	NM_010807	MARCKS-like 1 (Marcksl1), mRNA.	Mme-M300018771	ILMN_1250438	0	0
17167	Marco	-0.233	-0.128	-0.071	0	0	0	0	0	0	NM_010766	macrophage receptor with collagenous structure (Marco), mRNA.	Mme-M400000921	ILMN_1229922	0	0
223989	Marf1	-0.211	0.032	-0.112	0	0	0	0	0	0	NM_001081154	RIKEN cDNA 4921513D23 gene (4921513D23Rik), mRNA.	Mme-M300021444	ILMN_2694055	0	0
226778	Mark1	0.013	-0.076	-0.102	0	0	0	0	0	0	NM_145515	MAP/microtubule affinity-regulating kinase 1 (Mark1), mRNA.	Mme-M200002548	ILMN_1236611	0	0
17169	Mark3	-0.208	-0.118	0.062	0	0	0	0	0	0	NM_022801	MAP/microtubule affinity-regulating kinase 3 (Mark3), transcript variant 2, mRNA.	Mme-M200006122	ILMN_2598692	0	0
232944	Mark4	0.058	0.016	0.026	0	0	0	0	0	0	NM_172279	MAP/microtubule affinity-regulating kinase 4 (Mark4), mRNA.	Mme-M300007191	ILMN_2631094	0	0
216443	Mars	0.108	-0.042	-0.036	0	0	0	0	0	0	NM_001003913	methionine-tRNA synthetase (Mars), mRNA.	Mme-M300012617	ILMN_2828687	0	0
212679	Mars2	-0.222	0.093	-0.058	0	0	0	0	0	0	NM_175439	methionine-tRNA synthetase 2 (mitochondrial) (Mars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300017865	ILMN_2675738	0	0
277010	Marveld1	-0.062	-0.179	0.069	0	0	0	0	0	0	XR_035382	PREDICTED: MARVEL (membrane-associating) domain containing 1 (Marveld1), misc RNA.	Mme-M300015369	ILMN_1259554	0	0
218518	Marveld2	-0.314	-0.046	0.020	0	0	0	0	0	0	NM_178410	MARVEL (membrane-associating) domain containing 2 (Marveld2), transcript variant 2, mRNA.	Mme-M400012478	ILMN_2620209	0	0
73608	Marveld3	-0.449	-0.067	-0.008	0	0	0	0	0	0	NM_212447	MARVEL (membrane-associating) domain containing 3 (Marveld3), transcript variant 2, mRNA.	Mme-M300000222	ILMN_2711608	0	0
17171	Mas1	-0.361	0.169	-0.077	0	0	0	0	0	0	NM_008552	MAS1 oncogene (Mas1), mRNA.	Mme-M400010841	ILMN_1253860	0	0
17175	Masp2	0.152	0.068	-0.249	0	0	0	0	0	0	NM_010767	mannan-binding lectin serine peptidase 2 (Masp2), transcript variant 2, mRNA.	Mme-M300006410	ILMN_1216142	0	0
56527	Mast1	-0.361	-0.143	-0.196	0	0	0	0	0	0	NM_019945	microtubule associated serine/threonine kinase 1 (Mast1), mRNA.	Mme-M400009576	ILMN_3142097	0	0
17776	Mast2	-0.119	-0.157	-0.078	0	0	0	0	0	0	NM_008641	microtubule associated serine/threonine kinase 2 (Mast2), transcript variant 2, mRNA.	Mme-M200002783	ILMN_3125920	0	0
328329	Mast4	0.136	0.094	-0.111	0	0	0	0	0	0	XM_283179	PREDICTED: microtubule associated serine/threonine kinase family member 4, transcript variant 1 (Mast4), mRN	Mme-M300008379	ILMN_2624713	0	0
67121	Mastl	0.017	-0.049	-0.102	0	0	0	0	0	0	NM_025979	microtubule associated serine/threonine kinase-like (Mastl), mRNA.	Mme-M200005263	ILMN_2621187	0	0
11720	Mat1a	0.049	-0.029	-0.161	0	0	0	0	0	0	NM_133653	methionine adenosyltransferase I, alpha (Mat1a), mRNA.	Mme-M200003261	ILMN_2678460	0	0
232087	Mat2a	0.155	-0.188	0.185	0	0	0	0	0	0	NM_145569	methionine adenosyltransferase II, alpha (Mat2a), mRNA.	Mme-M300014814	ILMN_2593368	0	0
108645	Mat2b	0.314	0.187	-0.076	0	0	0	0	0	0	NM_134017	methionine adenosyltransferase II, beta (Mat2b), mRNA.	Mme-M200006193	ILMN_1248381	0	0
17180	Matn1	-0.128	0.010	-0.035	0	0	0	0	0	0	NM_010769	matrilin 1, cartilage matrix protein 1 (Matn1), mRNA.	Mme-M200000546	ILMN_1219993	0	0
17181	Matn2	0.168	-0.015	0.009	0	0	0	0	0	0	NM_016762	matrilin 2 (Matn2), mRNA.	Mme-M400000559	ILMN_2716959	0	0
17182	Matn3	-0.354	0.022	-0.061	0	0	0	0	0	0	NM_010770	matrilin 3 (Matn3), mRNA.	Mme-M200013933	ILMN_1236096	0	0
17183	Matn4	0.336	-0.170	0.061	0	0	0	0	0	0	NM_013592	matrilin 4 (Matn4), mRNA.	Mme-M200006479	ILMN_1215854	0	0
17184	Matr3	0.393	-0.114	0.125	0	0	0	0	0	0	NM_010771	matrin 3 (Matr3), mRNA.	Mme-M300010816	ILMN_2936351	0	0
74549	Mau2	0.098	0.108	-0.082	0	0	0	0	0	0	NM_028993	RIKEN cDNA 9130404D08 gene (9130404D08Rik), mRNA.	Mme-M300007936	ILMN_2889120	0	0
228607	Mavs	0.116	-0.071	0.007	0	0	0	0	0	0	NM_144888	RIKEN cDNA D430028G21 gene (D430028G21Rik), mRNA.	Mme-M200013435	ILMN_2596961	0	0
17187	Max	-0.252	0.194	-0.007	0	0	0	0	0	0	NM_008558	Max protein (Max), mRNA.	Mme-M300002537	ILMN_3068231	0	0
17188	Maz	-0.112	-0.040	0.059	0	0	0	0	0	0	NM_010772	MYC-associated zinc finger protein (purine-binding transcription factor) (Maz), mRNA.	Mme-M200006640	ILMN_2709839	0	0
17189	Mb	2.777	-0.370	-1.164	1	0	-1	1	0	-1	NM_013593	myoglobin (Mb), mRNA.	Mme-M300001745	ILMN_2954987	1	1
214763	Mb21d1	-0.006	0.148	0.111	0	0	0	0	0	0	NM_173386	RIKEN cDNA E330016A19 gene (E330016A19Rik), mRNA.	Mme-M300008201	ILMN_1239863	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
239796	Mb21d2	0.317	0.243	-0.074	0	0	0	0	0	0	NM_177718	RIKEN cDNA 1600021P15 gene (1600021P15Rik), mRNA.	Mme-M400013236	ILMN_1212632	0	0
17190	Mbd1	0.260	0.183	0.115	0	0	0	0	0	0	NM_013594	methyl-CpG binding domain protein 1 (Mbd1), mRNA.	Mme-M200004414	ILMN_1224291	0	0
17191	Mbd2	0.363	0.058	-0.020	0	0	0	0	0	0	NM_010773	methyl-CpG binding domain protein 2 (Mbd2), mRNA.	Mme-M200000115	ILMN_2676806	0	0
17192	Mbd3	0.153	-0.142	-0.006	0	0	0	0	0	0	NM_013595	methyl-CpG binding domain protein 3 (Mbd3), mRNA.	Mme-M200002491	ILMN_2730498	0	0
234988	Mbd3l2	-0.015	0.072	-0.049	0	0	0	0	0	0	NM_144934	methyl-CpG binding domain protein 3-like 2 (Mbd3l2), mRNA.	Mme-M400003312	ILMN_2609129	0	0
17193	Mbd4	-0.085	0.188	-0.019	0	0	0	0	0	0	NM_010774	methyl-CpG binding domain protein 4 (Mbd4), mRNA.	Mme-M200003985	ILMN_1213981	0	0
109241	Mbd5	0.228	0.013	-0.160	0	0	0	0	0	0	NM_029924	methyl-CpG binding domain protein 5 (Mbd5), mRNA.	Mme-M300010537	ILMN_2979776	0	0
110962	Mbd6	-0.046	0.123	-0.075	0	0	0	0	0	0	NM_033072	methyl-CpG binding domain protein 6 (Mbd6), mRNA.	Mme-M400011731	ILMN_2649771	0	0
217588	Mbip	0.053	0.095	0.370	0	0	1	0	0	0	NM_145442	MAP3K12 binding inhibitory protein 1 (Mbip), mRNA.	Mme-M200005168	ILMN_1217143	0	0
17194	Mbl1	-0.317	-0.003	-0.015	0	0	0	0	0	0	NM_010775	mannose binding lectin (A) (Mbl1), mRNA.	Mme-M200002705	ILMN_1238266	0	0
17195	Mbl2	-0.110	0.099	0.076	0	0	0	0	0	0	NM_010776	mannose binding lectin (C) (Mbl2), mRNA.	Mme-M200006801	ILMN_1258500	0	0
330216	Mblac1	-0.087	-0.070	-0.059	0	0	0	0	0	0	NM_177878	cDNA sequence BC038925 (BC038925), mRNA.	Mme-M300020028	ILMN_2637733	0	0
72852	Mblac2	-0.021	-0.088	0.079	0	0	0	0	0	0	NM_028372	RIKEN cDNA 2900024O10 gene (2900024O10Rik), mRNA.	Mme-M400003777	ILMN_3160416	0	0
56758	Mbnl1	0.095	0.080	0.065	0	0	0	0	0	0	NM_020007	muscleblind-like 1 (Drosophila) (Mbnl1), mRNA.	Mme-M200009372	ILMN_2766253	0	0
105559	Mbnl2	0.020	-0.200	0.106	0	0	0	0	0	0	NM_207515	muscleblind-like 2 (Mbnl2), transcript variant 2, mRNA.	Mme-M300003107	ILMN_1254987	0	0
171170	Mbnl3	0.105	0.047	-0.072	0	0	0	0	0	0	NM_134163	muscleblind-like 3 (Drosophila) (Mbnl3), mRNA.	Mme-M400019432	ILMN_2616897	0	0
218121	Mboat1	-0.039	-0.177	0.077	0	0	0	0	0	0	NM_153546	membrane bound O-acyltransferase domain containing 1 (Mboat1), mRNA.	Mme-M300011742	ILMN_1225029	0	0
67216	Mboat2	0.314	-0.479	0.055	0	-1	0	0	0	0	NM_001083341	membrane bound O-acyltransferase domain containing 2 (Mboat2), transcript variant 2, mRNA.	Mme-M400000402	ILMN_2782248	0	0
77582	Mboat7	-0.057	0.038	0.060	0	0	0	0	0	0	NM_029934	membrane bound O-acyltransferase domain containing 7 (Mboat7), mRNA.	Mme-M400001823	ILMN_2625342	0	0
17196	Mbp	-0.252	-0.088	-0.075	0	0	0	0	0	0	NM_001025258	myelin basic protein (Mbp), transcript variant 5, mRNA.	Mme-M400002519	ILMN_2639865	0	0
103537	Mbtd1	0.177	-0.051	0.070	0	0	0	0	0	0	NM_134012	mbt domain containing 1 (Mbtd1), mRNA.	Mme-M300002425	ILMN_2726515	0	0
56453	Mbtps1	0.257	0.067	-0.163	0	0	0	0	0	0	NM_019709	membrane-bound transcription factor peptidase, site 1 (Mbtps1), mRNA.	Mme-M200006655	ILMN_1245330	0	0
270669	Mbtps2	-0.191	-0.165	0.019	0	0	0	0	0	0	NM_172307	membrane-bound transcription factor peptidase, site 2 (Mbtps2), mRNA.	Mme-M400003217	ILMN_2596955	0	0
17199	Mc1r	-0.219	0.022	0.039	0	0	0	0	0	0	NM_008559	melanocortin 1 receptor (Mc1r), mRNA.	Mme-M300015116	ILMN_2774319	0	0
17200	Mc2r	-0.165	-0.084	-0.006	0	0	0	0	0	0	NM_008560	melanocortin 2 receptor (Mc2r), mRNA.	Mme-M200013623	ILMN_2595350	0	0
17201	Mc3r	0.011	-0.071	-0.086	0	0	0	0	0	0	NM_008561	melanocortin 3 receptor (Mc3r), mRNA.	Mme-M200014957	ILMN_2915996	0	0
17202	Mc4r	-0.122	0.052	0.000	0	0	0	0	0	0	NM_016977	melanocortin 4 receptor (Mc4r), mRNA.	Mme-M400003281	ILMN_2611237	0	0
17203	Mc5r	0.056	-0.554	-0.173	0	-1	0	0	0	0	NM_013596	melanocortin 5 receptor (Mc5r), mRNA.	Mme-M200002631	ILMN_2619762	0	0
84004	Mcam	-0.271	0.285	0.091	0	0	0	0	0	0	NM_023061	melanoma cell adhesion molecule (Mcam), mRNA.	Mme-M300008096	ILMN_1229960	0	0
223722	Mcat	0.144	-0.226	-0.044	0	0	0	0	0	0	NM_001030014	malonyl CoA:ACP acyltransferase (mitochondrial) (Mcat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300019529	ILMN_2619455	0	0
328949	Mcc	-0.068	-0.175	-0.127	0	0	0	0	0	0	NM_001085374	mutated in colorectal cancers (Mcc), transcript variant 2, mRNA.	Mme-M400007268	ILMN_2918907	0	0
72039	Mccc1	0.093	-0.098	-0.022	0	0	0	0	0	0	NM_023644	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha) (Mccc1), mRNA.	Mme-M400011443	ILMN_1215246	0	0
78038	Mccc2	0.102	-0.093	-0.076	0	0	0	0	0	0	NM_030026	methylcrotonoyl-Coenzyme A carboxylase 2 (beta) (Mccc2), nuclear gene encoding mitochondrial protein, mRNA	Mme-M400000495	ILMN_1259582	0	0
73724	Mcee	0.344	-0.164	-0.180	0	0	0	0	0	0	NM_028626	methylmalonyl CoA epimerase (Mcee), mRNA.	Mme-M200002860	ILMN_2707494	0	0
69189	Mcemp1	-0.027	0.239	0.097	0	0	0	0	0	0	NM_026985	RIKEN cDNA 1810033B17 gene (1810033B17Rik), mRNA.	Mme-M200011789	ILMN_2712151	0	0
109904	Mcf2	-0.346	-0.059	-0.014	0	0	0	0	0	0	NM_133197	mcf.2 transforming sequence (Mcf2), mRNA.	Mme-M200016114	ILMN_2718312	0	0
17207	Mcf2l	0.203	-0.234	-0.136	0	0	0	0	0	0	NM_178076	mcf.2 transforming sequence-like (Mcf2l), mRNA.	Mme-M400009553	ILMN_2847276	0	0
193813	Mcfd2	0.016	0.254	0.054	0	0	0	0	0	0	NM_176808	multiple coagulation factor deficiency 2 (Mcfd2), mRNA.	Mme-M200006923	ILMN_2677560	0	0
207911	Mchr1	0.194	-0.016	-0.023	0	0	0	0	0	0	NM_145132	melanin-concentrating hormone receptor 1 (Mchr1), mRNA.	Mme-M300020874	ILMN_2603364	0	0
17210	Mcl1	0.353	0.018	0.114	0	0	0	0	0	0	NM_008562	myeloid cell leukemia sequence 1 (Mcl1), mRNA.	Mme-M200000657	ILMN_1216732	0	0
70024	Mcm10	0.165	0.290	-0.062	0	0	0	0	0	0	NM_027290	minichromosome maintenance deficient 10 (S. cerevisiae) (Mcm10), mRNA.	Mme-M200004702	ILMN_1245742	0	0
17216	Mcm2	-0.387	0.252	0.090	0	0	0	0	0	0	NM_008564	minichromosome maintenance deficient 2 mitotin (S. cerevisiae) (Mcm2), mRNA.	Mme-M300000341	ILMN_1250907	0	0
17215	Mcm3	0.106	0.306	0.025	0	0	0	0	0	0	NM_008563	minichromosome maintenance deficient 3 (S. cerevisiae) (Mcm3), mRNA.	Mme-M300013395	ILMN_2633377	0	0
54387	Mcm3ap	0.066	-0.042	-0.019	0	0	0	0	0	0	NM_019434	minichromosome maintenance deficient 3 (S. cerevisiae) associated protein (Mcm3ap), mRNA.	Mme-M200006836	ILMN_2659182	0	0
17217	Mcm4	0.269	0.056	0.158	0	0	0	0	0	0	NM_008565	minichromosome maintenance deficient 4 homolog (S. cerevisiae) (Mcm4), mRNA.	Mme-M300003448	ILMN_2936427	0	0
17218	Mcm5	0.345	0.360	0.115	0	0	0	0	0	0	NM_008566	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae) (Mcm5), mRNA.	Mme-M200002117	ILMN_2742849	0	0
17219	Mcm6	-0.211	0.369	0.304	0	0	1	0	0	0	NM_008567	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae) (Mcm6), mRNA.	Mme-M200002043	ILMN_2803399	0	0
17220	Mcm7	0.338	0.151	0.107	0	0	0	0	0	0	NM_008568	minichromosome maintenance deficient 7 (S. cerevisiae) (Mcm7), mRNA.	Mme-M300006840	ILMN_2673889	0	0
66634	Mcm8	-0.132	0.081	0.026	0	0	0	0	0	0	NM_025676	minichromosome maintenance deficient 8 (S. cerevisiae) (Mcm8), mRNA.	Mme-M200014306	ILMN_2638598	0	0
71567	Mcm9	0.192	-0.162	0.027	0	0	0	0	0	0	NM_027830	minichromosome maintenance complex component 9 (Mcm9), mRNA.	Mme-M200009627	ILMN_3160745	0	0
210711	Mcmbp	0.355	0.243	0.041	0	0	0	0	0	0	NM_145955	RIKEN cDNA 1110007A13 gene (1110007A13Rik), mRNA.	Mme-M300018991	ILMN_2660082	0	0
94178	Mcoln1	0.174	-0.178	-0.031	0	0	0	0	0	0	NM_053177	mucolipin 1 (Mcoln1), mRNA.	Mme-M200002702	ILMN_2823195	0	0
68279	Mcoln2	-0.381	0.107	0.155	0	0	0	0	0	0	NM_001005846	mucolipin 2 (Mcoln2), transcript variant 2, mRNA.	Mme-M200008835	ILMN_2689401	0	0
171166	Mcoln3	-0.310	-0.033	-0.036	0	0	0	0	0	0	NM_134160	mucolipin 3 (Mcoln3), mRNA.	Mme-M300010567	ILMN_1256430	0	0
244329	Mcph1	0.015	0.040	-0.066	0	0	0	0	0	0	NM_173189	microcephaly, primary autosomal recessive 1 (Mcph1), mRNA.	Mme-M200015175	ILMN_2752754	0	0
17224	Mcpt1	-0.079	0.139	-0.020	0	0	0	0	0	0	NM_008570	mast cell protease 1 (Mcpt1), mRNA.	Mme-M300003155	ILMN_1258979	0	0
17225	Mcpt2	-0.115	-0.018	0.078	0	0	0	0	0	0	NM_008571	mast cell protease 2 (Mcpt2), mRNA.	Mme-M400000551	ILMN_2641659	0	0
17227	Mcpt4	-0.339	-0.024	-0.092	0	0	0	0	0	0	NM_010779	mast cell protease 4 (Mcpt4), mRNA.	Mme-M400008940	ILMN_1240746	0	0
17231	Mcpt8	0.028	-0.015	0.002	0	0	0	0	0	0	NM_008572	mast cell protease 8 (Mcpt8), mRNA.	Mme-M200013819	ILMN_1235399	0	0
17232	Mcpt9	-0.234	-0.051	-0.097	0	0	0	0	0	0	NM_010782	mast cell protease 9 (Mcpt9), mRNA.	Mme-M400008941	ILMN_2875290	0	0
51812	Mcrs1	0.113	0.148	-0.128	0	0	0	0	0	0	NM_016766	microspherule protein 1 (Mcrs1), mRNA.	Mme-M400003319	ILMN_1238672	0	0
78771	Mctp1	-0.365	-0.026	0.136	0	0	0	0	0	0	NM_030174	multiple C2 domains, transmembrane 1 (Mctp1), mRNA.	Mme-M200011487	ILMN_2701948	0	0
244049	Mctp2	0.016	-0.052	-0.077	0	0	0	0	0	0	NM_001024703	multiple C2 domains, transmembrane 2 (Mctp2), mRNA.	Mme-M400010493	ILMN_2828560	0	0
68995	Mcts1	0.100	0.246	-0.001	0	0	0	0	0	0	NM_026902	malignant T cell amplified sequence 1 (Mcts1), mRNA.	Mme-M200011931	ILMN_1215810	0	0
66405	Mcts2	0.225	0.002	0.037	0	0	0	0	0	0	NM_025543	malignant T cell amplified sequence 2 (Mcts2), mRNA.	Mme-M400011498	ILMN_2636315	0	0
215999	Mcu	-0.184	-0.009	-0.150	0	0	0	0	0	0	NM_001033259	coiled-coil domain containing 109A (Ccdc109a), mRNA.	Mme-M400000171	ILMN_2533766	0	0
76137	Mcur1	0.201	-0.035	-0.097	0	0	0	0	0	0	NM_001081059	coiled-coil domain containing 90A (Ccdc90a), mRNA.	Mme-M200003115	ILMN_2608799	0	0
240087	Mdc1	-0.224	0.005	0.005	0	0	0	0	0	0	NM_001010833	mediator of DNA damage checkpoint 1 (Mdc1), mRNA.	Mme-M400006130	ILMN_1219955	0	0
17240	Mdfi	0.133	-0.058	0.037	0	0	0	0	0	0	NM_010783	MyoD family inhibitor (Mdfi), transcript variant 1, mRNA.	Mme-M300008401	ILMN_2714423	0	0
16543	Mdfic	0.115	-0.088	0.058	0	0	0	0	0	0	NM_175088	MyoD family inhibitor domain containing (Mdfic), mRNA.	Mme-M400002497	ILMN_2704637	0	0
74762	Mdga1	-0.351	0.063	0.012	0	0	0	0	0	0	NM_001081160	MAM domain containing glycosylphosphatidylinositol anchor 1 (Mdga1), mRNA.	Mme-M300014621	ILMN_3155228	0	0
320772	Mdga2	0.049	-0.241	0.252	0	0	0	0	0	0	NM_207010	MAM domain containing glycosylphosphatidylinositol anchor 2 (Mdga2), mRNA.	Mme-M300009611	ILMN_2847711	0	0
17449	Mdh1	0.092	-0.105	0.104	0	0	0	0	0	0	NM_008618	malate dehydrogenase 1, NAD (soluble) (Mdh1), mRNA.	Mme-M200001215	ILMN_2631021	0	0
76668	Mdh1b	-0.102	-0.275	-0.142	0	0	0	0	0	0	NM_029696	malate dehydrogenase 1B, NAD (soluble) (Mdh1b), mRNA.	Mme-M200006965	ILMN_1217555	0	0
17448	Mdh2	0.285	0.102	0.041	0	0	0	0	0	0	NM_008617	malate dehydrogenase 2, NAD (mitochondrial) (Mdh2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004205	ILMN_2873112	0	0
17242	Mdk	0.133	-0.258	0.097	0	0	0	0	0	0	NM_001012336	midkine (Mdk), transcript variant 3, mRNA.	Mme-M200000323	ILMN_1254450	0	0
17245	Mdm1	0.307	-0.200	-0.111	0	0	0	0	0	0	NM_148922	transformed mouse 3T3 cell double minute 1 (Mdm1), transcript variant 2, mRNA.	Mme-M200000757	ILMN_2728300	0	0
17246	Mdm2	0.141	-0.081	0.060	0	0	0	0	0	0	NM_010786	transformed mouse 3T3 cell double minute 2 (Mdm2), mRNA.	Mme-M200004469	ILMN_1250774	0	0
17248	Mdm4	0.214	-0.128	0.184	0	0	0	0	0	0	NM_008575	transformed mouse 3T3 cell double minute 4 (Mdm4), mRNA.	Mme-M400004790	ILMN_2877527	0	0
100019	Mdn1	-0.542	-0.134	-0.162	0	0	0	0	0	0	NM_001081392	midasin homolog (yeast) (Mdn1), mRNA.	Mme-M400006953	ILMN_1260383	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67881	Mdp1	0.183	-0.021	-0.046	0	0	0	0	0	0	NM_023397	RIKEN cDNA 1810034K20 gene (1810034K20Rik), mRNA.	Mme-M200004941	ILMN_1244756	0	0
17436	Me1	-0.115	-0.280	0.013	0	0	0	0	0	0	NM_008615	malic enzyme 1, NADP(+)-dependent, cytosolic (Me1), mRNA.	Mme-M400008891	ILMN_2774690	0	0
107029	Me2	-0.058	-0.016	-0.061	0	0	0	0	0	0	NM_145494	malic enzyme 2, NAD(+)-dependent, mitochondrial (Me2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007899	ILMN_1230263	0	0
17256	Mea1	0.090	0.110	-0.178	0	0	0	0	0	0	NM_010787	male enhanced antigen 1 (Mea1), mRNA.	Mme-M200000899	ILMN_2750258	0	0
70088	Meaf6	0.167	-0.123	0.028	0	0	0	0	0	0	NM_027310	RIKEN cDNA 2310005N01 gene (2310005N01Rik), mRNA.	Mme-M300006336	ILMN_2730249	0	0
14013	Mecom	-0.297	-0.120	-0.049	0	0	0	0	0	0	NM_007963	ecotropic viral integration site 1 (Evi1), mRNA.	Mme-M200014873	ILMN_2668165	0	0
17257	Mecp2	0.247	0.112	0.001	0	0	0	0	0	0	NM_001081979	methyl CpG binding protein 2 (Mecp2), transcript variant 1, mRNA.	Mme-M200008338	ILMN_2603187	0	0
26922	Mecr	0.131	-0.039	-0.043	0	0	0	0	0	0	NM_025297	mitochondrial trans-2-enoyl-CoA reductase (Mecr), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006366	ILMN_2739517	0	0
19014	Med1	0.084	-0.151	0.032	0	0	0	0	0	0	NM_013634	mediator complex subunit 1 (Med1), transcript variant 1, mRNA.	Mme-M300001640	ILMN_2658227	0	0
28077	Med10	0.115	0.109	-0.115	0	0	0	0	0	0	NM_138596	mediator of RNA polymerase II transcription, subunit 10 homolog (NUT2, S. cerevisiae) (Med10), mRNA.	Mme-M200001099	ILMN_2879382	0	0
66172	Med11	0.146	0.063	-0.127	0	0	0	0	0	0	NM_025397	mediator of RNA polymerase II transcription, subunit 11 homolog (S. cerevisiae) (Med11), mRNA.	Mme-M200003080	ILMN_1257061	0	0
59024	Med12	0.007	-0.132	-0.085	0	0	0	0	0	0	NM_021521	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast) (Med12), mRNA.	Mme-M300007666	ILMN_2468617	0	0
327987	Med13	-0.160	-0.074	-0.129	0	0	0	0	0	0	NM_001080931	mediator complex subunit 13 (Med13), mRNA.	Mme-M400001683	ILMN_3055531	0	0
26896	Med14	-0.069	0.248	0.138	0	0	0	0	0	0	NM_012005	mediator complex subunit 14 (Med14), transcript variant 2, mRNA.	Mme-M300007529	ILMN_1232916	0	0
94112	Med15	0.093	0.306	-0.096	0	0	0	0	0	0	NM_001040683	mediator complex subunit 15 (Med15), transcript variant 2, mRNA.	Mme-M200002842	ILMN_3128178	0	0
216154	Med16	-0.244	-0.031	-0.168	0	0	0	0	0	0	NM_198107	mediator complex subunit 16 (Med16), mRNA.	Mme-M300001242	ILMN_1213200	0	0
234959	Med17	0.002	0.053	-0.031	0	0	0	0	0	0	NM_144933	mediator complex subunit 17 (Med17), mRNA.	Mme-M200014035	ILMN_2731721	0	0
67219	Med18	-0.119	-0.055	0.094	0	0	0	0	0	0	NM_026039	mediator of RNA polymerase II transcription, subunit 18 homolog (yeast) (Med18), mRNA.	Mme-M300006357	ILMN_1214050	0	0
381379	Med19	0.028	0.163	0.092	0	0	0	0	0	0	NM_025885	mediator of RNA polymerase II transcription, subunit 19 homolog (yeast) (Med19), mRNA.	Mme-M300005462	ILMN_2654541	0	0
56771	Med20	0.239	0.025	-0.143	0	0	0	0	0	0	NM_020048	mediator complex subunit 20 (Med20), mRNA.	Mme-M200005046	ILMN_2873729	0	0
108098	Med21	0.294	0.161	0.197	0	0	0	0	0	0	NM_025315	mediator complex subunit 21 (Med21), mRNA.	Mme-M200005255	ILMN_2611510	0	0
20933	Med22	-0.331	0.040	-0.119	0	0	0	0	0	0	NM_001033908	mediator complex subunit 22 (Med22), transcript variant 2, mRNA.	Mme-M300001453	ILMN_3100456	0	0
70208	Med23	0.200	-0.154	-0.071	0	0	0	0	0	0	NM_027347	mediator complex subunit 23 (Med23), mRNA.	Mme-M300001936	ILMN_2654068	0	0
23989	Med24	0.174	-0.013	0.017	0	0	0	0	0	0	NM_011869	mediator complex subunit 24 (Med24), mRNA.	Mme-M200002511	ILMN_2818189	0	0
75613	Med25	0.038	0.092	-0.217	0	0	0	0	0	0	NM_029365	mediator of RNA polymerase II transcription, subunit 25 homolog (yeast) (Med25), mRNA.	Mme-M200009962	ILMN_2804622	0	0
70625	Med26	0.205	-0.125	-0.043	0	0	0	0	0	0	NM_027485	mediator complex subunit 26 (Med26), mRNA.	Mme-M300016216	ILMN_2594899	0	0
68975	Med27	0.176	0.129	-0.107	0	0	0	0	0	0	NM_026896	mediator complex subunit 27 (Med27), mRNA.	Mme-M200005018	ILMN_2624703	0	0
67224	Med29	0.133	0.202	0.006	0	0	0	0	0	0	NM_026042	mediator complex subunit 29 (Med29), mRNA.	Mme-M300000427	ILMN_2615538	0	0
69790	Med30	-0.051	-0.177	-0.157	0	0	0	0	0	0	NM_027212	mediator complex subunit 30 (Med30), mRNA.	Mme-M300011673	ILMN_2616792	0	0
67279	Med31	0.255	0.044	-0.098	0	0	0	0	0	0	NM_026068	mediator of RNA polymerase II transcription, subunit 31 homolog (yeast) (Med31), mRNA.	Mme-M200004942	ILMN_1217567	0	0
67381	Med4	0.128	0.146	0.017	0	0	0	0	0	0	NM_026119	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast) (Med4), mRNA.	Mme-M200006709	ILMN_2497094	0	0
69792	Med6	-0.142	0.157	0.068	0	0	0	0	0	0	NM_027213	mediator of RNA polymerase II transcription, subunit 6 homolog (yeast) (Med6), mRNA.	Mme-M200006079	ILMN_2723907	0	0
66213	Med7	-0.103	0.129	-0.116	0	0	0	0	0	0	NM_001104557	mediator complex subunit 7 (Med7), transcript variant 4, mRNA.	Mme-M200004809	ILMN_2832091	0	0
80509	Med8	0.239	0.040	0.247	0	0	0	0	0	0	NM_173719	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast) (Med8), transcript variant 2, mRNA.	Mme-M200008103	ILMN_1222516	0	0
192191	Med9	-0.089	-0.136	-0.144	0	0	0	0	0	0	NM_138675	mediator of RNA polymerase II transcription, subunit 9 homolog (yeast) (Med9), mRNA.	Mme-M200008968	ILMN_2655694	0	0
70717	Medag	0.267	-0.023	-0.080	0	0	0	0	0	0	NM_027519	RIKEN cDNA 6330406I15 gene (6330406I15Rik), mRNA.	Mme-M200015105	ILMN_1213736	0	0
17258	Mef2a	0.030	-0.113	0.091	0	0	0	0	0	0	NM_001033713	myocyte enhancer factor 2A (Mef2a), mRNA.	Mme-M200015823	ILMN_1251160	0	0
17259	Mef2b	-0.211	-0.183	-0.005	0	0	0	0	0	0	NM_001045484	myocyte enhancer factor 2B (Mef2b), transcript variant 2, mRNA.	Mme-M400010844	ILMN_2609630	0	0
17260	Mef2c	0.586	0.150	0.383	0	0	1	0	0	0	NM_025282	myocyte enhancer factor 2C (Mef2c), mRNA.	Mme-M200004751	ILMN_1214950	0	0
17261	Mef2d	0.186	-0.052	-0.095	0	0	0	0	0	0	NM_133665	myocyte enhancer factor 2D (Mef2d), mRNA.	Mme-M400009237	ILMN_2714918	0	0
54483	Mefv	0.278	0.266	0.149	0	0	0	0	0	0	NM_019453	Mediterranean fever (Mefv), mRNA.	Mme-M200009441	ILMN_2702141	0	0
17263	Meg3	0.293	0.110	0.197	0	0	0	0	0	0	NR_003633	maternally expressed 3 (Meg3) on chromosome 12.	Mme-M300002656	ILMN_2601176	0	0
70417	Megf10	-0.273	-0.194	0.147	0	0	0	0	0	0	NM_001001979	multiple EGF-like-domains 10 (Megf10), mRNA.	Mme-M400000761	ILMN_2689931	0	0
214058	Megf11	-0.107	-0.133	0.068	0	0	0	0	0	0	NM_172522	multiple EGF-like-domains 11 (Megf11), mRNA.	Mme-M400009628	ILMN_2618651	0	0
230971	Megf6	0.175	-0.008	-0.040	0	0	0	0	0	0	XM_620148	PREDICTED: multiple EGF-like-domains 6, transcript variant 1 (Megf6), mRNA.	Mme-M400009325	ILMN_2529674	0	0
269878	Megf8	-0.098	-0.109	-0.033	0	0	0	0	0	0	XM_194337	PREDICTED: multiple EGF-like-domains 8 (Megf8), mRNA.	Mme-M300012889	ILMN_1245455	0	0
230316	Megf9	-0.069	-0.442	0.220	0	-1	0	0	0	0	NM_172694	multiple EGF-like-domains 9 (Megf9), mRNA.	Mme-M300012079	ILMN_2723891	0	0
75033	Mei4	-0.034	0.018	0.078	0	0	0	0	0	0	NM_175213	RIKEN cDNA 4930486G11 gene (4930486G11Rik), mRNA.	Mme-M300014364	ILMN_2592395	0	0
75178	Meiob	-0.225	0.013	0.060	0	0	0	0	0	0	XM_128478	PREDICTED: RIKEN cDNA 4930528F23 gene (4930528F23Rik), mRNA.	Mme-M200014741	ILMN_1217280	0	0
17268	Meis1	0.110	-0.160	-0.045	0	0	0	0	0	0	NM_010789	Meis homeobox 1 (Meis1), mRNA.	Mme-M400011069	ILMN_1218266	0	0
17536	Meis2	-0.139	-0.070	0.009	0	0	0	0	0	0	NM_010825	Meis homeobox 2 (Meis2), mRNA.	Mme-M400000987	ILMN_2850391	0	0
17537	Meis3	0.211	0.146	0.184	0	0	0	0	0	0	NM_008627	Meis homeobox 3 (Meis3), mRNA.	Mme-M400002500	ILMN_3126848	0	0
17279	Melk	0.105	0.102	0.097	0	0	0	0	0	0	NM_010790	maternal embryonic leucine zipper kinase (Melk), mRNA.	Mme-M200001880	ILMN_3001043	0	0
76890	Memo1	0.181	-0.130	0.073	0	0	0	0	0	0	NM_133771	mediator of cell motility 1 (Memo1), mRNA.	Mme-M300011560	ILMN_2903379	0	0
17283	Men1	0.114	0.205	-0.183	0	0	0	0	0	0	NM_008583	multiple endocrine neoplasia 1 (Men1), mRNA.	Mme-M200003189	ILMN_1219210	0	0
17285	Meox1	-0.194	0.460	-0.028	0	1	0	0	0	0	NM_010791	mesenchyme homeobox 1 (Meox1), mRNA.	Mme-M300000198	ILMN_1213886	0	0
17286	Meox2	-0.109	0.113	0.045	0	0	0	0	0	0	NM_008584	mesenchyme homeobox 2 (Meox2), mRNA.	Mme-M300010258	ILMN_2709087	0	0
17287	Mep1a	0.040	0.056	0.121	0	0	0	0	0	0	NM_008585	meprin 1 alpha (Mep1a), mRNA.	Mme-M300003811	ILMN_2616479	0	0
17288	Mep1b	-0.084	-0.100	-0.032	0	0	0	0	0	0	NM_008586	meprin 1 beta (Mep1b), mRNA.	Mme-M200001023	ILMN_2634670	0	0
231803	Mepce	0.335	-0.123	-0.155	0	0	0	0	0	0	NM_144913	methylphosphate capping enzyme (Mepce), mRNA.	Mme-M200006558	ILMN_2885348	0	0
94111	Mepe	0.110	-0.067	-0.014	0	0	0	0	0	0	NM_053172	matrix extracellular phosphoglycoprotein with ASARM motif (bone) (Mepe), mRNA.	Mme-M200012743	ILMN_1222230	0	0
17289	Mertk	0.343	0.168	0.155	0	0	0	0	0	0	NM_008587	c-mer proto-oncogene tyrosine kinase (Mertk), mRNA.	Mme-M300001277	ILMN_2714638	0	0
80889	Mesdc1	0.168	-0.086	0.044	0	0	0	0	0	0	NM_030705	mesoderm development candidate 1 (Mesdc1), mRNA.	Mme-M400006508	ILMN_2664909	0	0
67943	Mesdc2	0.258	0.047	0.022	0	0	0	0	0	0	NM_023403	mesoderm development candidate 2 (Mesdc2), mRNA.	Mme-M200004827	ILMN_2709604	0	0
17292	Mesp1	0.054	-0.058	0.067	0	0	0	0	0	0	NM_008588	mesoderm posterior 1 (Mesp1), mRNA.	Mme-M200000567	ILMN_2687727	0	0
17293	Mesp2	0.004	-0.027	0.012	0	0	0	0	0	0	NM_008589	mesoderm posterior 2 (Mesp2), mRNA.	Mme-M300007290	ILMN_2713960	0	0
17294	Mest	0.372	-0.055	-0.134	0	0	0	0	0	0	NM_008590	mesoderm specific transcript (Mest), mRNA.	Mme-M400003915	ILMN_2846904	0	0
17295	Met	0.264	-0.217	-0.023	0	0	0	0	0	0	NM_008591	met proto-oncogene (Met), mRNA.	Mme-M300001035	ILMN_2828877	0	0
75624	Metap1	0.105	-0.040	0.122	0	0	0	0	0	0	NM_175224	methionyl aminopeptidase 1 (Metap1), mRNA.	Mme-M300000724	ILMN_1230913	0	0
66559	Metap1d	0.082	0.084	0.011	0	0	0	0	0	0	NM_025633	methionine aminopeptidase-like 1 (Metapl1), mRNA.	Mme-M300013429	ILMN_1253142	0	0
56307	Metap2	-0.081	-0.071	0.118	0	0	0	0	0	0	NM_019648	methionine aminopeptidase 2 (Metap2), mRNA.	Mme-M400014465	ILMN_2668243	0	0
554292	Methig1	0.031	-0.022	0.070	0	0	0	0	0	0	NM_001024672	UbiE-YGHL1 fusion protein (LOC554292), mRNA.	Mme-M400010052	ILMN_2941575	0	0
70083	Metrn	-0.196	0.034	-0.140	0	0	0	0	0	0	NM_133719	meteorin, glial cell differentiation regulator (Metrn), mRNA.	Mme-M200013791	ILMN_2739843	0	0
210029	Metrnl	-0.026	-0.147	0.318	0	0	1	0	0	0	NM_144797	meteorin, glial cell differentiation regulator-like (Metrnl), mRNA.	Mme-M200004869	ILMN_2813221	0	0
17299	Mettl1	0.308	0.154	-0.108	0	0	0	0	0	0	NM_010792	methyltransferase-like 1 (Mettl1), mRNA.	Mme-M200013697	ILMN_2732419	0	0
72096	Mettl10	0.218	0.058	-0.001	0	0	0	0	0	0	NM_028095	methyltransferase like 10 (Mettl10), mRNA.	Mme-M200006100	ILMN_2692889	0	0
71449	Mettl13	-0.043	0.093	-0.111	0	0	0	0	0	0	NM_144877	RIKEN cDNA 5630401D24 gene (5630401D24Rik), mRNA.	Mme-M200006996	ILMN_1218104	0	0
210529	Mettl14	-0.346	0.005	0.111	0	0	0	0	0	0	NM_201638	RIKEN cDNA G430022H21 gene (G430022H21Rik), mRNA.	Mme-M300005947	ILMN_2818206	0	0
76894	Mettl15	0.092	0.041	0.020	0	0	0	0	0	0	NM_029790	methyltransferase 5 domain containing 1 (Mett5d1), mRNA.	Mme-M200007222	ILMN_1227616	0	0
52535	Mettl17	0.384	0.179	-0.204	0	0	0	0	0	0	NM_001029990	methyltransferase 11 domain containing 1 (Mett11d1), mRNA.	Mme-M200002269	ILMN_2534921	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
69962	Mettl18	0.259	0.080	0.019	0	0	0	0	0	0	NM_027279	RIKEN cDNA 2810422O20 gene (2810422O20Rik), mRNA.	Mme-M200005490	ILMN_2625188	0	0
52686	Mettl2	0.175	0.025	-0.037	0	0	0	0	0	0	NM_172567	methyltransferase like 2 (Mettl2), mRNA.	Mme-M300002342	ILMN_2718854	0	0
320204	Mettl20	0.089	-0.036	-0.085	0	0	0	0	0	0	NM_177101	RIKEN cDNA 4833442J19 gene (4833442J19Rik), mRNA.	Mme-M400002317	ILMN_3160574	0	0
67099	Mettl21a	0.107	-0.027	0.021	0	0	0	0	0	0	NM_025964	RIKEN cDNA 2310038H17 gene (2310038H17Rik), mRNA.	Mme-M200014492	ILMN_2705570	0	0
433294	Mettl21c	-0.037	0.038	-0.077	0	0	0	0	0	0	NM_001013799	RIKEN cDNA A530098C11 gene (A530098C11Rik), mRNA.	Mme-M300018191	ILMN_2986586	0	0
207965	Mettl21d	0.127	-0.142	-0.230	0	0	0	0	0	0	NM_001033236	gene model 71, (NCBI) (Gm71), mRNA.	Mme-M400003617	ILMN_2892215	0	0
403183	Mettl21e	0.017	-0.032	-0.080	0	0	0	0	0	0	NM_207281	RIKEN cDNA 4832428D23 gene (4832428D23Rik), mRNA.	Mme-M300017703	ILMN_1246249	0	0
239706	Mettl22	0.150	0.120	-0.103	0	0	0	0	0	0	NM_146247	cDNA sequence BC024814 (BC024814), mRNA.	Mme-M300012109	ILMN_2592909	0	0
74319	Mettl23	0.295	0.065	0.045	0	0	0	0	0	0	NM_028865	RIKEN cDNA 1110005A03 gene (1110005A03Rik), mRNA.	Mme-M200002582	ILMN_1244997	0	0
327747	Mettl24	-0.019	0.037	-0.170	0	0	0	0	0	0	NM_177793	RIKEN cDNA 9030224M15 gene (9030224M15Rik), mRNA.	Mme-M300016495	ILMN_1255780	0	0
216292	Mettl25	0.104	0.012	0.077	0	0	0	0	0	0	NM_207522	cDNA sequence BC067068 (BC067068), mRNA.	Mme-M300010201	ILMN_2713396	0	0
56335	Mettl3	0.057	-0.087	-0.068	0	0	0	0	0	0	NM_019721	methyltransferase-like 3 (Mettl3), mRNA.	Mme-M200015447	ILMN_1243558	0	0
76781	Mettl4	-0.371	0.137	0.015	0	0	0	0	0	0	NM_176917	methyltransferase like 4 (Mettl4), mRNA.	Mme-M400005254	ILMN_3163504	0	0
75422	Mettl5	0.081	-0.090	0.099	0	0	0	0	0	0	NM_029280	methyltransferase like 5 (Mettl5), mRNA.	Mme-M200011924	ILMN_2685969	0	0
67011	Mettl6	0.337	-0.049	0.174	0	0	0	0	0	0	NM_025907	methyltransferase like 6 (Mettl6), mRNA.	Mme-M200005612	ILMN_2686187	0	0
393082	Mettl7a2	0.346	-0.038	0.104	0	0	0	0	0	0	NM_199477	UbiE-YGHL1 fusion protein (Ubie), mRNA.	Mme-M400004879	ILMN_2991019	0	0
71664	Mettl7b	-0.259	0.029	0.043	0	0	0	0	0	0	NM_027853	methyltransferase like 7B (Mettl7b), mRNA.	Mme-M200003753	ILMN_2707227	0	0
228019	Mettl8	0.251	0.049	0.097	0	0	0	0	0	0	NM_001110512	methyltransferase like 8 (Mettl8), transcript variant b, mRNA.	Mme-M200003611	ILMN_2669774	0	0
59052	Mettl9	0.382	-0.358	0.140	0	0	0	0	0	0	NM_021554	methyltransferase like 9 (Mettl9), mRNA.	Mme-M200006334	ILMN_2782307	0	0
72640	Mex3a	-0.219	0.124	-0.130	0	0	0	0	0	0	NM_001029890	mex3 homolog A (C. elegans) (Mex3a), mRNA.	Mme-M400013817	ILMN_3072957	0	0
108797	Mex3b	0.204	0.080	0.022	0	0	0	0	0	0	XM_912460	PREDICTED: ring finger and KH domain containing 3 (Rkhd3), mRNA.	Mme-M400012306	ILMN_2640229	0	0
240396	Mex3c	0.298	-0.127	-0.022	0	0	0	0	0	0	NM_001039214	mex3 homolog C (C. elegans) (Mex3c), mRNA.	Mme-M300010824	ILMN_2629183	0	0
237400	Mex3d	-0.113	-0.085	-0.016	0	0	0	0	0	0	NM_198615	mex3 homolog D (C. elegans) (Mex3d), mRNA.	Mme-M300019475	ILMN_2724702	0	0
67532	Mfap1a	0.010	0.005	0.011	0	0	0	0	0	0	NM_026220	microfibrillar-associated protein 1A (Mfap1a), mRNA.	Mme-M400003390	ILMN_2702044	0	0
17150	Mfap2	0.287	-0.147	-0.160	0	0	0	0	0	0	NM_008546	microfibrillar-associated protein 2 (Mfap2), mRNA.	Mme-M200002538	ILMN_1240458	0	0
216760	Mfap3	-0.027	0.602	0.072	0	1	0	0	1	0	NM_180599	microfibrillar-associated protein 3 (Mfap3), transcript variant 2, mRNA.	Mme-M200006966	ILMN_2686125	1	0
71306	Mfap3l	0.097	0.157	0.084	0	0	0	0	0	0	NM_027756	microfibrillar-associated protein 3-like (Mfap3l), mRNA.	Mme-M200011752	ILMN_1212619	0	0
76293	Mfap4	1.023	0.275	-0.186	1	0	0	1	0	0	NM_029568	microfibrillar-associated protein 4 (Mfap4), mRNA.	Mme-M200006465	ILMN_2633350	1	0
50530	Mfap5	0.206	-0.082	-0.094	0	0	0	0	0	0	NM_015776	microfibrillar associated protein 5 (Mfap5), mRNA.	Mme-M200013794	ILMN_1225835	0	0
75734	Mff	-0.135	-0.187	0.079	0	0	0	0	0	0	NM_029409	RIKEN cDNA 5230400G24 gene (5230400G24Rik), mRNA.	Mme-M200012039	ILMN_2998593	0	0
17304	Mfge8	0.050	0.437	-0.209	0	1	0	0	0	0	NM_001045489	milk fat globule-EGF factor 8 protein (Mfge8), transcript variant 2, mRNA.	Mme-M200000595	ILMN_2771034	0	0
52065	Mfhas1	-0.036	0.114	-0.026	0	0	0	0	0	0	NM_001081279	malignant fibrous histiocytoma amplified sequence 1 (Mfhas1), mRNA.	Mme-M300011774	ILMN_1247765	0	0
30060	Mfi2	0.036	-0.035	-0.199	0	0	0	0	0	0	NM_013900	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5 (Mfi2), mRNA.	Mme-M200007037	ILMN_1254745	0	0
67414	Mfn1	0.254	-0.160	-0.057	0	0	0	0	0	0	NM_024200	mitofusin 1 (Mfn1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013480	ILMN_2719296	0	0
170731	Mfn2	0.162	-0.069	-0.069	0	0	0	0	0	0	NM_133201	mitofusin 2 (Mfn2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009748	ILMN_2641278	0	0
17305	Mfng	0.381	0.139	0.104	0	0	0	0	0	0	NM_008595	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (Mfng), mRNA.	Mme-M200000187	ILMN_2687661	0	0
66868	Mfsd1	0.121	-0.137	0.227	0	0	0	0	0	0	NM_025813	major facilitator superfamily domain containing 1 (Mfsd1), mRNA.	Mme-M200009375	ILMN_2718284	0	0
68294	Mfsd10	0.052	0.163	-0.065	0	0	0	0	0	0	NM_026660	major facilitator superfamily domain containing 10 (Mfsd10), mRNA.	Mme-M200007603	ILMN_1252243	0	0
69900	Mfsd11	0.003	0.098	0.180	0	0	0	0	0	0	NM_178620	major facilitator superfamily domain containing 11 (Mfsd11), mRNA.	Mme-M300002410	ILMN_2682173	0	0
76574	Mfsd2a	-0.253	-0.173	-0.098	0	0	0	0	0	0	NM_029662	major facilitator superfamily domain containing 2 (Mfsd2), mRNA.	Mme-M200008045	ILMN_1225764	0	0
432628	Mfsd2b	-0.219	0.142	0.033	0	0	0	0	0	0	NM_001033488	gene model 1964, (NCBI) (Gm1964), mRNA.	Mme-M400002000	ILMN_3161168	0	0
69572	Mfsd3	0.036	-0.068	-0.196	0	0	0	0	0	0	NM_027122	major facilitator superfamily domain containing 3 (Mfsd3), mRNA.	Mme-M400000315	ILMN_2742136	0	0
213006	Mfsd4	0.131	-0.062	0.079	0	0	0	0	0	0	NM_001114662	major facilitator superfamily domain containing 4 (Mfsd4), transcript variant b, mRNA.	Mme-M300013540	ILMN_2751471	0	0
106073	Mfsd5	0.012	-0.136	-0.080	0	0	0	0	0	0	NM_134100	DNA Segment, Chr 15, Mouse Genome Informatics 27 (D15Mgi27), mRNA.	Mme-M200004276	ILMN_2854347	0	0
98682	Mfsd6	-0.210	-0.209	-0.499	0	0	-1	0	0	-1	NM_133829	RIKEN cDNA 2210010L05 gene (2210010L05Rik), transcript variant 1, mRNA.	Mme-M400011819	ILMN_2612238	0	1
215723	Mfsd6l	-0.120	-0.148	-0.140	0	0	0	0	0	0	NM_146004	cDNA sequence BC024997 (BC024997), mRNA.	Mme-M300019142	ILMN_1247389	0	0
243197	Mfsd7a	-0.652	-0.075	0.124	-1	0	0	0	0	0	NM_172883	major facilitator superfamily domain containing 7 (Mfsd7), mRNA.	Mme-M300006705	ILMN_2766105	0	0
226844	Mfsd7b	-0.021	-0.120	0.067	0	0	0	0	0	0	NM_001081259	feline leukemia virus subgroup C cellular receptor 1 (Flvcr1), mRNA.	Mme-M400015993	ILMN_1222512	0	0
217721	Mfsd7c	-0.073	-0.119	-0.172	0	0	0	0	0	0	NM_145447	feline leukemia virus subgroup C cellular receptor family, member 2 (Flvcr2), mRNA.	Mme-M200003579	ILMN_1248190	0	0
72175	Mfsd8	0.144	0.103	0.126	0	0	0	0	0	0	NM_028140	major facilitator superfamily domain containing 8 (Mfsd8), mRNA.	Mme-M200007246	ILMN_2635968	0	0
211798	Mfsd9	0.081	-0.149	-0.021	0	0	0	0	0	0	NM_172499	major facilitator superfamily domain containing 9 (Mfsd9), mRNA.	Mme-M300013437	ILMN_2825848	0	0
29808	Mga	0.351	0.040	-0.055	0	0	0	0	0	0	NM_013720	MAX gene associated (Mga), mRNA.	Mme-M300020794	ILMN_1222658	0	0
67749	Mgarp	-0.123	0.076	0.110	0	0	0	0	0	0	NM_026358	RIKEN cDNA 4930583H14 gene (4930583H14Rik), mRNA.	Mme-M200015098	ILMN_1250001	0	0
17308	Mgat1	0.156	0.066	-0.060	0	0	0	0	0	0	NM_001110149	mannoside acetylglucosaminyltransferase 1 (Mgat1), transcript variant 3, mRNA.	Mme-M200001020	ILMN_2667234	0	0
217664	Mgat2	0.102	0.000	-0.022	0	0	0	0	0	0	NM_146035	mannoside acetylglucosaminyltransferase 2 (Mgat2), mRNA.	Mme-M200013098	ILMN_2708279	0	0
17309	Mgat3	-0.257	-0.043	0.018	0	0	0	0	0	0	NM_010795	mannoside acetylglucosaminyltransferase 3 (Mgat3), mRNA.	Mme-M200014922	ILMN_2654906	0	0
269181	Mgat4a	-0.105	0.059	0.118	0	0	0	0	0	0	NM_173870	mannoside acetylglucosaminyltransferase 4, isoenzyme A (Mgat4a), mRNA.	Mme-M400016835	ILMN_2746842	0	0
103534	Mgat4b	-0.032	-0.091	0.126	0	0	0	0	0	0	NM_145926	mannoside acetylglucosaminyltransferase 4, isoenzyme B (Mgat4b), mRNA.	Mme-M300016409	ILMN_2609073	0	0
67569	Mgat4c	0.021	-0.069	-0.026	0	0	0	0	0	0	NM_026243	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme C (putative) (Mgat4c), m	Mme-M200005087	ILMN_2623903	0	0
67555	Mgat4d	-0.115	0.012	0.004	0	0	0	0	0	0	NM_026233	RIKEN cDNA 4933434I20 gene (4933434I20Rik), mRNA.	Mme-M200015636	ILMN_2641136	0	0
268510	Mgat5b	0.005	0.110	0.024	0	0	0	0	0	0	NM_172948	mannoside acetylglucosaminyltransferase 5, isoenzyme B (Mgat5b), mRNA.	Mme-M400002805	ILMN_1248130	0	0
76055	Mgea5	-0.002	-0.134	0.019	0	0	0	0	0	0	NM_023799	meningioma expressed antigen 5 (hyaluronidase) (Mgea5), mRNA.	Mme-M200013006	ILMN_2614706	0	0
216864	Mgl2	0.312	0.046	-0.089	0	0	0	0	0	0	NM_145137	macrophage galactose N-acetyl-galactosamine specific lectin 2 (Mgl2), mRNA.	Mme-M300012950	ILMN_2707099	0	0
23945	Mgll	0.074	-0.377	-0.130	0	0	0	0	0	0	NM_011844	monoglyceride lipase (Mgll), mRNA.	Mme-M300008623	ILMN_2700408	0	0
74528	Mgme1	-0.098	0.050	-0.044	0	0	0	0	0	0	NM_028984	RIKEN cDNA 8430406I07 gene (8430406I07Rik), mRNA.	Mme-M200005898	ILMN_2648909	0	0
17314	Mgmt	-0.048	-0.259	-0.092	0	0	0	0	0	0	NM_008598	O-6-methylguanine-DNA methyltransferase (Mgmt), mRNA.	Mme-M400010845	ILMN_2876448	0	0
17313	Mgp	0.498	-0.219	-0.040	0	0	0	0	0	0	NM_008597	matrix Gla protein (Mgp), mRNA.	Mme-M300007075	ILMN_2666018	0	0
17237	Mgrn1	0.189	-0.084	-0.028	0	0	0	0	0	0	NM_029657	mahogunin, ring finger 1 (Mgrn1), mRNA.	Mme-M400011682	ILMN_1254488	0	0
56615	Mgst1	0.225	0.120	0.111	0	0	0	0	0	0	NM_019946	microsomal glutathione S-transferase 1 (Mgst1), mRNA.	Mme-M200003346	ILMN_2669416	0	0
211666	Mgst2	-0.161	0.083	0.126	0	0	0	0	0	0	NM_174995	microsomal glutathione S-transferase 2 (Mgst2), mRNA.	Mme-M300019764	ILMN_2613832	0	0
66447	Mgst3	-0.005	0.132	-0.131	0	0	0	0	0	0	NM_025569	microsomal glutathione S-transferase 3 (Mgst3), mRNA.	Mme-M300005240	ILMN_1238479	0	0
12587	Mia	1.437	-0.479	-0.631	1	-1	-1	1	0	-1	NM_019394	melanoma inhibitory activity 1 (Mia1), mRNA.	Mme-M400006241	ILMN_2777087	1	1
338320	Mia2	-0.025	0.011	-0.044	0	0	0	0	0	0	NM_177321	melanoma inhibitory activity 2 (Mia2), mRNA.	Mme-M300009866	ILMN_2694320	0	0
338366	Mia3	0.123	-0.175	0.112	0	0	0	0	0	0	NM_177389	melanoma inhibitory activity 3 (Mia3), mRNA.	Mme-M400005270	ILMN_1258474	0	0
225164	Mib1	0.008	0.016	0.008	0	0	0	0	0	0	NM_144860	mindbomb homolog 1 (Drosophila) (Mib1), mRNA.	Mme-M300004046	ILMN_2933834	0	0
76580	Mib2	-0.014	-0.060	-0.071	0	0	0	0	0	0	NM_145124	mindbomb homolog 2 (Drosophila) (Mib2), mRNA.	Mme-M300006460	ILMN_2769393	0	0
171580	Mical1	0.086	0.314	-0.066	0	0	0	0	0	0	NM_138315	microtubule associated monoxygenase, calponin and LIM domain containing 1 (Mical1), mRNA.	Mme-M200008944	ILMN_1225077	0	0
320878	Mical2	-0.149	-0.057	-0.033	0	0	0	0	0	0	NM_177282	microtubule associated monoxygenase, calponin and LIM domain containing 2 (Mical2), mRNA.	Mme-M300011437	ILMN_1217875	0	0
194401	Mical3	-0.029	0.029	-0.163	0	0	0	0	0	0	NM_153396	microtubule associated monoxygenase, calponin and LIM domain containing 3 (Mical3), mRNA.	Mme-M300000383	ILMN_2619044	0	0
27008	Micall1	-0.164	-0.160	0.055	0	0	0	0	0	0	NM_177461	microtubule associated monoxygenase, calponin and LIM domain containing -like 1 (Micall1), mRNA.	Mme-M300008571	ILMN_2698206	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
231830	Micall2	-0.131	0.249	-0.072	0	0	0	0	0	0	NM_174850	MICAL-like 2 (Micall2), mRNA.	Mme-M400009387	ILMN_2793260	0	0
216001	Micu1	0.020	0.123	-0.008	0	0	0	0	0	0	NM_144822	calcium binding atopy-related autoantigen 1 (Cbara1), mRNA.	Mme-M200005458	ILMN_2686513	0	0
68514	Micu2	0.074	-0.058	-0.070	0	0	0	0	0	0	NM_028643	EF hand domain family A1 (Efha1), mRNA.	Mme-M300003037	ILMN_2899174	0	0
78506	Micu3	-0.061	-0.170	-0.230	0	0	0	0	0	0	XM_357872	PREDICTED: RIKEN cDNA 2900075B16 gene, transcript variant 1 (2900075B16Rik), mRNA.	Mme-M400005172	ILMN_1220828	0	0
17318	Mid1	-0.210	0.003	-0.139	0	0	0	0	0	0	NM_010797	midline 1 (Mid1), transcript variant 1, mRNA.	Mme-M300009843	ILMN_3159435	0	0
68041	Mid1ip1	-0.057	-0.053	0.184	0	0	0	0	0	0	NM_026524	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish)) (Mid1ip1), mRNA.	Mme-M200006480	ILMN_2847332	0	0
23947	Mid2	-0.040	-0.304	0.035	0	0	0	0	0	0	NM_011845	midline 2 (Mid2), mRNA.	Mme-M200005173	ILMN_1222258	0	0
59090	Midn	0.166	0.196	-0.070	0	0	0	0	0	0	NM_021565	midnolin (Midn), mRNA.	Mme-M400013314	ILMN_2658566	0	0
237781	Mief2	0.281	0.104	-0.081	0	0	0	0	0	0	NM_001009927	Smith-Magenis syndrome chromosome region, candidate 7 homolog (human) (Smcr7), mRNA.	Mme-M400000301	ILMN_2995370	0	0
103742	Mien1	-0.036	-0.066	-0.107	0	0	0	0	0	0	NM_025559	RIKEN cDNA 1810046J19 gene (1810046J19Rik), mRNA.	Mme-M200006170	ILMN_1250709	0	0
71148	Mier1	0.237	-0.051	0.239	0	0	0	0	0	0	NM_001039081	mesoderm induction early response 1 homolog (Xenopus laevis (Mier1), transcript variant 2, mRNA.	Mme-M200008380	ILMN_3143748	0	0
70427	Mier2	-0.038	-0.073	-0.208	0	0	0	0	0	0	NM_027422	mesoderm induction early response 1, family member 2 (Mier2), mRNA.	Mme-M300013766	ILMN_2762514	0	0
218613	Mier3	0.044	-0.125	-0.144	0	0	0	0	0	0	NM_172593	mesoderm induction early response 1, family member 3 (Mier3), mRNA.	Mme-M300008404	ILMN_1260241	0	0
17319	Mif	-0.001	-0.061	-0.150	0	0	0	0	0	0	NM_010798	macrophage migration inhibitory factor (Mif), mRNA.	Mme-M400001546	ILMN_2867835	0	0
69674	Mif4gd	0.067	0.151	0.176	0	0	0	0	0	0	NM_027162	MIF4G domain containing (Mif4gd), mRNA.	Mme-M200016255	ILMN_2991660	0	0
28010	Miip	0.133	0.222	0.002	0	0	0	0	0	0	NM_001025365	DNA segment, Chr 4, Wayne State University 114, expressed (D4Wsu114e), mRNA.	Mme-M200006610	ILMN_3162138	0	0
266815	Mill1	-0.117	-0.040	0.007	0	0	0	0	0	0	NM_153749	MHC I like leukocyte 1 (Mill1), mRNA.	Mme-M300012962	ILMN_1219038	0	0
243864	Mill2	0.113	0.079	0.051	0	0	0	0	0	0	NM_153760	MHC I like leukocyte 2 (Mill2), transcript variant 2, mRNA.	Mme-M300015230	ILMN_3113845	0	0
380732	Milr1	0.176	0.157	-0.070	0	0	0	0	0	0	NM_001033435	gene model 885, (NCBI) (Gm885), mRNA.	Mme-M300012708	ILMN_2988199	0	0
67014	Mina	0.082	0.132	0.115	0	0	0	0	0	0	NM_025910	myc induced nuclear antigen (Mina), mRNA.	Mme-M200012129	ILMN_2739527	0	0
50932	Mink1	-0.033	0.213	0.161	0	0	0	0	0	0	NM_016713	misshapen-like kinase 1 (zebrafish) (Mink1), transcript variant 1, mRNA.	Mme-M300002414	ILMN_1242688	0	0
433771	Minos1	0.125	0.170	-0.143	0	0	0	0	0	0	XM_901483	PREDICTED: RIKEN cDNA 2310028O11 gene, transcript variant 3 (2310028O11Rik), mRNA.	Mme-M300021295	ILMN_2440183	0	0
17330	Minpp1	0.020	-0.153	0.106	0	0	0	0	0	0	NM_010799	multiple inositol polyphosphate histidine phosphatase 1 (Minpp1), mRNA.	Mme-M200013997	ILMN_2617971	0	0
252875	Mios	0.073	-0.046	0.100	0	0	0	0	0	0	NM_145374	cDNA sequence BC020002 (BC020002), mRNA.	Mme-M200004193	ILMN_1220980	0	0
56727	Miox	-0.291	0.116	-0.032	0	0	0	0	0	0	NM_019977	myo-inositol oxygenase (Miox), mRNA.	Mme-M200010044	ILMN_2640116	0	0
17339	Mip	0.040	0.071	-0.129	0	0	0	0	0	0	NM_008600	major intrinsic protein of eye lens fiber (Mip), mRNA.	Mme-M200007128	ILMN_1254280	0	0
70478	Mipep	-0.055	-0.165	-0.025	0	0	0	0	0	0	NM_027436	mitochondrial intermediate peptidase (Mipep), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000532	ILMN_1222492	0	0
67139	Mis12	0.017	-0.036	0.095	0	0	0	0	0	0	NM_025993	MIS12 homolog (yeast) (Mis12), mRNA.	Mme-M400002409	ILMN_2592174	0	0
66578	Mis18a	-0.115	-0.084	0.098	0	0	0	0	0	0	NM_025642	RIKEN cDNA 2610039C10 gene (2610039C10Rik), mRNA.	Mme-M300003614	ILMN_2913326	0	0
217653	Mis18bp1	-0.012	0.051	0.153	0	0	0	0	0	0	NM_172578	expressed sequence C79407 (C79407), mRNA.	Mme-M300018380	ILMN_2843349	0	0
78906	Misp	-0.028	-0.044	0.126	0	0	0	0	0	0	NM_030218	RIKEN cDNA 9130017N09 gene (9130017N09Rik), mRNA.	Mme-M200007316	ILMN_3002571	0	0
69028	Mitd1	0.111	0.304	0.022	0	0	0	0	0	0	NM_026913	MIT, microtubule interacting and transport, domain containing 1 (Mitd1), mRNA.	Mme-M300004929	ILMN_1217646	0	0
17342	Mitf	0.197	0.048	0.069	0	0	0	0	0	0	NM_008601	microphthalmia-associated transcription factor (Mitf), transcript variant 2, mRNA.	Mme-M400013457	ILMN_1241965	0	0
27217	Mixl1	-0.352	0.085	0.034	0	0	0	0	0	0	NM_013729	Mix1 homeobox-like 1 (Xenopus laevis) (Mixl1), mRNA.	Mme-M200008572	ILMN_2920173	0	0
17345	Mki67	0.088	0.547	0.496	0	1	1	0	0	1	NM_001081117	antigen identified by monoclonal antibody Ki 67 (Mki67), mRNA.	Mme-M200001580	ILMN_2740902	1	0
67949	Mki67ip	0.078	0.198	0.016	0	0	0	0	0	0	NM_026472	Mki67 (FHA domain) interacting nucleolar phosphoprotein (Mki67ip), mRNA.	Mme-M200003673	ILMN_2714936	0	0
59030	Mkks	-0.086	0.120	0.053	0	0	0	0	0	0	NM_021527	McKusick-Kaufman syndrome protein (Mkks), mRNA.	Mme-M200005340	ILMN_1257332	0	0
223701	Mkl1	-0.034	0.189	-0.112	0	0	0	0	0	0	NM_153049	MKL (megakaryoblastic leukemia)/myocardin-like 1 (Mkl1), transcript variant 1, mRNA.	Mme-M300013620	ILMN_2630120	0	0
239719	Mkl2	0.071	0.028	0.152	0	0	0	0	0	0	NM_181860	MKL/myocardin-like 2 (Mkl2), transcript variant 2, mRNA.	Mme-M300001052	ILMN_2917139	0	0
27418	Mkln1	-0.173	-0.117	0.070	0	0	0	0	0	0	NM_013791	muskelin 1, intracellular mediator containing kelch motifs (Mkln1), mRNA.	Mme-M300004715	ILMN_1245998	0	0
17346	Mknk1	-0.133	0.116	-0.197	0	0	0	0	0	0	NM_021461	MAP kinase-interacting serine/threonine kinase 1 (Mknk1), mRNA.	Mme-M200013089	ILMN_2845991	0	0
17347	Mknk2	0.181	-0.042	-0.096	0	0	0	0	0	0	NM_021462	MAP kinase-interacting serine/threonine kinase 2 (Mknk2), mRNA.	Mme-M200013886	ILMN_2733887	0	0
54484	Mkrn1	0.035	0.071	-0.082	0	0	0	0	0	0	NM_018810	makorin, ring finger protein, 1 (Mkrn1), mRNA.	Mme-M200002498	ILMN_2630018	0	0
67027	Mkrn2	0.184	-0.050	-0.040	0	0	0	0	0	0	NM_023290	makorin, ring finger protein, 2 (Mkrn2), mRNA.	Mme-M200011844	ILMN_1213920	0	0
22652	Mkrn3	-0.041	-0.173	0.105	0	0	0	0	0	0	NM_011746	makorin, ring finger protein, 3 (Mkrn3), mRNA.	Mme-M400007380	ILMN_2754447	0	0
380718	Mks1	-0.093	-0.090	-0.094	0	0	0	0	0	0	NM_001039684	Meckel syndrome, type 1 (Mks1), mRNA.	Mme-M400001648	ILMN_1231624	0	0
210719	Mkx	0.027	0.015	0.070	0	0	0	0	0	0	NM_177595	mohawk (Mkx), mRNA.	Mme-M400007319	ILMN_1249634	0	0
77836	Mlana	-0.318	-0.059	0.028	0	0	0	0	0	0	NM_029993	melan-A (Mlana), mRNA.	Mme-M200009225	ILMN_2624504	0	0
170790	Mlc1	0.109	0.036	-0.012	0	0	0	0	0	0	NM_133241	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human) (Mlc1), mRNA.	Mme-M200007262	ILMN_2610788	0	0
109154	Mlec	-0.143	-0.254	-0.161	0	0	0	0	0	0	NM_175403	RIKEN cDNA 2410014A08 gene (2410014A08Rik), mRNA.	Mme-M300006732	ILMN_1222602	0	0
17349	Mlf1	0.741	0.330	-0.394	1	0	-1	0	0	0	NM_010801	myeloid leukemia factor 1 (Mlf1), transcript variant 2, mRNA.	Mme-M400003413	ILMN_3112219	0	0
30853	Mlf2	-0.101	0.201	0.231	0	0	0	0	0	0	NM_145385	myeloid leukemia factor 2 (Mlf2), mRNA.	Mme-M200006626	ILMN_3075003	0	0
17350	Mlh1	0.123	-0.032	-0.005	0	0	0	0	0	0	NM_026810	mutL homolog 1 (E. coli) (Mlh1), mRNA.	Mme-M300008282	ILMN_2987615	0	0
217716	Mlh3	-0.234	-0.251	0.116	0	0	0	0	0	0	NM_175337	mutL homolog 3 (E coli) (Mlh3), mRNA.	Mme-M200008501	ILMN_2743910	0	0
69642	Mlip	0.210	0.038	0.133	0	0	0	0	0	0	XM_001478691	PREDICTED: RIKEN cDNA 2310046A06 gene (2310046A06Rik), mRNA.	Mme-M200007693	ILMN_2700344	0	0
74568	Mlkl	0.335	0.601	0.072	0	1	0	0	1	0	NM_029005	mixed lineage kinase domain-like (Mlkl), mRNA.	Mme-M300001182	ILMN_3006767	1	0
231051	Mll3	0.140	-0.156	0.112	0	0	0	0	0	0	NM_001081383	myeloid/lymphoid or mixed-lineage leukemia 3 (Mll3), mRNA.	Mme-M200009945	ILMN_2700430	0	0
64144	Mllt1	0.009	0.115	-0.080	0	0	0	0	0	0	NM_022328	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1 (Mllt1), mRNA.	Mme-M200009566	ILMN_2756121	0	0
17354	Mllt10	0.004	-0.149	-0.040	0	0	0	0	0	0	NM_010804	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10 (Mllt10), mRN	Mme-M300005262	ILMN_1213638	0	0
56772	Mllt11	-0.063	-0.016	-0.063	0	0	0	0	0	0	NM_019914	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 (Mllt11), mRN	Mme-M200005065	ILMN_1221429	0	0
70122	Mllt3	0.408	0.239	0.226	0	0	0	0	0	0	NM_029931	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3 (Mllt3), transcr	Mme-M300006125	ILMN_1252757	0	0
17356	Mllt4	0.501	-0.432	0.145	0	-1	0	0	0	0	NM_010806	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4 (Mllt4), mRNA.	Mme-M300015383	ILMN_2493464	0	0
246198	Mllt6	-0.015	0.013	0.041	0	0	0	0	0	0	NM_139311	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6 (Mllt6), mRNA.	Mme-M200013287	ILMN_1218659	0	0
171531	Mlph	0.072	-0.085	-0.018	0	0	0	0	0	0	NM_053015	melanophilin (Mlph), mRNA.	Mme-M400000911	ILMN_3162347	0	0
56716	Mlst8	0.094	-0.138	-0.150	0	0	0	0	0	0	NM_019988	G protein beta subunit-like (Gbl), mRNA.	Mme-M300003941	ILMN_2906471	0	0
21428	Mlx	0.190	0.148	-0.092	0	0	0	0	0	0	NM_011550	MAX-like protein X (Mlx), mRNA.	Mme-M300001610	ILMN_2620510	0	0
208104	Mlxip	0.163	0.216	0.077	0	0	0	0	0	0	NM_133917	MLX interacting protein (Mlxip), transcript variant 2, mRNA.	Mme-M400009376	ILMN_1223190	0	0
58805	Mlxipl	-0.156	-0.310	-0.005	0	0	0	0	0	0	NM_021455	MLX interacting protein-like (Mlxipl), mRNA.	Mme-M200007518	ILMN_2992232	0	0
56690	Mlycd	0.094	-0.268	-0.165	0	0	0	0	0	0	NM_019966	malonyl-CoA decarboxylase (Mlycd), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400004844	ILMN_1249691	0	0
109136	Mmaa	-0.086	-0.044	0.048	0	0	0	0	0	0	NM_133823	methylmalonic aciduria (cobalamin deficiency) type A (Mmaa), nuclear gene encoding mitochondrial protein, ml	Mme-M200005282	ILMN_1256976	0	0
77697	Mmab	0.004	0.088	-0.127	0	0	0	0	0	0	NM_029956	methylmalonic aciduria (cobalamin deficiency) type B homolog (human) (Mmab), nuclear gene encoding mitoch	Mme-M200012831	ILMN_1212791	0	0
109129	Mmadhc	0.271	0.054	0.042	0	0	0	0	0	0	NM_133839	RIKEN cDNA 2010311D03 gene (2010311D03Rik), mRNA.	Mme-M300005271	ILMN_1241035	0	0
67468	Mmd	0.205	0.104	0.048	0	0	0	0	0	0	NM_026178	monocyte to macrophage differentiation-associated (Mmd), mRNA.	Mme-M200008112	ILMN_2674575	0	0
75104	Mmd2	0.054	0.065	0.014	0	0	0	0	0	0	NM_175217	monocyte to macrophage differentiation-associated 2 (Mmd2), mRNA.	Mme-M200004355	ILMN_1252636	0	0
17380	Mme	-0.020	-0.190	0.111	0	0	0	0	0	0	NM_008604	membrane metallo endopeptidase (Mme), mRNA.	Mme-M200008142	ILMN_2863366	0	0
27390	Mmel1	-0.161	-0.029	-0.053	0	0	0	0	0	0	NM_013783	membrane metallo-endopeptidase-like 1 (Mmel1), mRNA.	Mme-M200008851	ILMN_1253943	0	0
236792	Mmgt1	0.152	-0.117	0.086	0	0	0	0	0	0	NM_146234	transmembrane protein 32 (Tmem32), mRNA.	Mme-M300021643	ILMN_2910221	0	0
216829	Mmgt2	0.227	-0.097	0.000	0	0	0	0	0	0	NM_175002	cDNA sequence BC025076 (BC025076), mRNA.	Mme-M300019292	ILMN_2607765	0	0
17384	Mmp10	-0.167	-0.015	-0.047	0	0	0	0	0	0	NM_019471	matrix metallopeptidase 10 (Mmp10), mRNA.	Mme-M200003278	ILMN_2619952	0	0
17385	Mmp11	0.087	0.139	-0.021	0	0	0	0	0	0	NM_008606	matrix metallopeptidase 11 (Mmp11), mRNA.	Mme-M200001812	ILMN_2696711	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
17381	Mmp12	0.152	-0.012	0.109	0	0	0	0	0	0	NM_008605	matrix metallopeptidase 12 (Mmp12), mRNA.	Mme-M200000785	ILMN_1250421	0	0
17386	Mmp13	1.165	0.506	-0.188	1	1	0	1	0	0	NM_008607	matrix metallopeptidase 13 (Mmp13), mRNA.	Mme-M200002096	ILMN_2737685	1	0
17387	Mmp14	0.470	-0.046	-0.281	0	0	0	0	0	0	NM_008608	matrix metallopeptidase 14 (membrane-inserted) (Mmp14), mRNA.	Mme-M400010846	ILMN_1240726	0	0
17388	Mmp15	-0.299	0.050	-0.061	0	0	0	0	0	0	NM_008609	matrix metallopeptidase 15 (Mmp15), mRNA.	Mme-M300007902	ILMN_2784078	0	0
17389	Mmp16	0.146	0.081	-0.038	0	0	0	0	0	0	NM_019724	matrix metallopeptidase 16 (Mmp16), mRNA.	Mme-M200013854	ILMN_2980226	0	0
23948	Mmp17	0.180	0.138	-0.117	0	0	0	0	0	0	NM_011846	matrix metallopeptidase 17 (Mmp17), mRNA.	Mme-M300006679	ILMN_2773800	0	0
58223	Mmp19	-0.117	-0.046	-0.043	0	0	0	0	0	0	NM_021412	matrix metallopeptidase 19 (Mmp19), mRNA.	Mme-M200009040	ILMN_2595908	0	0
83995	Mmp1a	-0.082	-0.046	-0.066	0	0	0	0	0	0	NM_032006	matrix metallopeptidase 1a (interstitial collagenase) (Mmp1a), mRNA.	Mme-M300014176	ILMN_3156019	0	0
83996	Mmp1b	0.039	-0.010	0.030	0	0	0	0	0	0	NM_032007	matrix metallopeptidase 1b (interstitial collagenase) (Mmp1b), mRNA.	Mme-M300013264	ILMN_1236455	0	0
17390	Mmp2	0.478	0.405	-0.135	0	0	0	0	0	0	NM_008610	matrix metallopeptidase 2 (Mmp2), mRNA.	Mme-M200006538	ILMN_2678218	0	0
30800	Mmp20	-0.096	-0.027	0.007	0	0	0	0	0	0	NM_013903	matrix metallopeptidase 20 (enamelysin) (Mmp20), mRNA.	Mme-M200008585	ILMN_1251385	0	0
214766	Mmp21	-0.002	0.019	0.037	0	0	0	0	0	0	NM_152944	matrix metallopeptidase 21 (Mmp21), mRNA.	Mme-M300007517	ILMN_1223199	0	0
26561	Mmp23	0.053	0.147	-0.061	0	0	0	0	0	0	NM_011985	matrix metallopeptidase 23 (Mmp23), mRNA.	Mme-M200006455	ILMN_1237364	0	0
17391	Mmp24	0.091	-0.148	-0.185	0	0	0	0	0	0	NM_010808	matrix metallopeptidase 24 (Mmp24), mRNA.	Mme-M300005724	ILMN_2480963	0	0
240047	Mmp25	-0.414	0.200	0.190	0	0	0	0	0	0	NM_001033339	matrix metallopeptidase 25 (Mmp25), mRNA.	Mme-M300003805	ILMN_1232783	0	0
234911	Mmp27	0.175	-0.057	-0.081	0	0	0	0	0	0	NM_001030289	matrix metallopeptidase 27 (Mmp27), mRNA.	Mme-M400010573	ILMN_2982829	0	0
118453	Mmp28	-0.345	-0.159	0.059	0	0	0	0	0	0	NM_172797	matrix metallopeptidase 28 (epilysin) (Mmp28), transcript variant 2, mRNA.	Mme-M300002331	ILMN_3159029	0	0
17392	Mmp3	0.120	0.106	-0.027	0	0	0	0	0	0	NM_010809	matrix metallopeptidase 3 (Mmp3), mRNA.	Mme-M200002079	ILMN_2704576	0	0
17394	Mmp8	-0.097	-0.019	0.020	0	0	0	0	0	0	NM_008611	matrix metallopeptidase 8 (Mmp8), mRNA.	Mme-M200003431	ILMN_1241378	0	0
17395	Mmp9	0.661	0.296	-0.079	1	0	0	0	0	0	NM_013599	matrix metallopeptidase 9 (Mmp9), mRNA.	Mme-M200001725	ILMN_2711075	0	0
70945	Mmrn1	-0.152	0.240	0.032	0	0	0	0	0	0	XM_284198	PREDICTED: multimerin 1 (Mmrn1), mRNA.	Mme-M400004890	ILMN_1232435	0	0
105450	Mmrn2	0.162	-0.034	-0.189	0	0	0	0	0	0	NM_153127	multimerin 2 (Mmrn2), mRNA.	Mme-M300013177	ILMN_2761918	0	0
72199	Mms19	-0.014	0.123	-0.061	0	0	0	0	0	0	NM_028152	MMS19 (MET18 S. cerevisiae) (Mms19), mRNA.	Mme-M200005994	ILMN_2949549	0	0
212377	Mms22l	0.047	0.142	0.100	0	0	0	0	0	0	NM_199467	RIKEN cDNA F730047E07 gene (F730047E07Rik), mRNA.	Mme-M300016683	ILMN_2935838	0	0
433938	Mn1	0.669	0.085	0.065	1	0	0	0	0	0	NM_001081235	meningioma 1 (Mn1), mRNA.	Mme-M400002720	ILMN_3128529	0	0
17420	Mnat1	0.047	0.048	-0.060	0	0	0	0	0	0	NM_008612	menage a trois 1 (Mnat1), mRNA.	Mme-M200001423	ILMN_2758632	0	0
76915	Mnd1	0.024	0.024	-0.045	0	0	0	0	0	0	NM_029797	meiotic nuclear divisions 1 homolog (S. cerevisiae) (Mnd1), mRNA.	Mme-M200011817	ILMN_2772523	0	0
17427	Mns1	-0.027	-0.155	-0.127	0	0	0	0	0	0	NM_008613	meiosis-specific nuclear structural protein 1 (Mns1), mRNA.	Mme-M200000082	ILMN_2678431	0	0
17428	Mnt	0.093	0.131	0.128	0	0	0	0	0	0	NM_010813	max binding protein (Mnt), mRNA.	Mme-M200001440	ILMN_2965835	0	0
15285	Mnx1	-0.239	0.050	-0.051	0	0	0	0	0	0	NM_019944	motor neuron and pancreas homeobox 1 (Mnx1), mRNA.	Mme-M200008626	ILMN_2827236	0	0
68473	Mob1b	0.234	0.101	0.030	0	0	0	0	0	0	NM_026735	MOB1, Mps One Binder kinase activator-like 1A (yeast) (Mobkl1a), mRNA.	Mme-M400000125	ILMN_2895536	0	0
101513	Mob2	-0.034	-0.005	-0.131	0	0	0	0	0	0	NM_028308	RIKEN cDNA 2700078K21 gene (2700078K21Rik), mRNA.	Mme-M200014749	ILMN_2725493	0	0
208228	Mob3a	0.209	0.167	0.132	0	0	0	0	0	0	NM_172457	MOB1, Mps One Binder kinase activator-like 2A (yeast) (Mobkl2a), mRNA.	Mme-M300000408	ILMN_2557635	0	0
214944	Mob3b	-0.142	0.016	0.162	0	0	0	0	0	0	NM_178061	MOB1, Mps One Binder kinase activator-like 2B (yeast) (Mobkl2b), mRNA.	Mme-M200008940	ILMN_2900854	0	0
100465	Mob3c	-0.086	0.158	-0.050	0	0	0	0	0	0	NM_175308	MOB1, Mps One Binder kinase activator-like 2C (yeast) (Mobkl2c), mRNA.	Mme-M300006246	ILMN_1257133	0	0
19070	Mob4	0.019	-0.041	0.106	0	0	0	0	0	0	NM_025283	MOB1, Mps One Binder kinase activator-like 3 (yeast) (Mobkl3), mRNA.	Mme-M200008678	ILMN_2776911	0	0
17433	Mobp	-0.079	-0.121	0.117	0	0	0	0	0	0	NM_001039365	myelin-associated oligodendrocytic basic protein (Mobp), transcript variant 3, mRNA.	Mme-M300008291	ILMN_3024681	0	0
68591	Mocos	0.079	0.095	0.060	0	0	0	0	0	0	NM_026779	molybdenum cofactor sulfurase (Mocos), mRNA.	Mme-M400002277	ILMN_2906489	0	0
56738	Mocs1	0.132	0.052	0.236	0	0	0	0	0	0	NM_020042	molybdenum cofactor synthesis 1 (Mocs1), transcript variant 1, mRNA.	Mme-M300003853	ILMN_2679885	0	0
69372	Mocs3	0.304	0.020	-0.044	0	0	0	0	0	0	XM_130596	PREDICTED: molybdenum cofactor synthesis 3 (Mocs3), mRNA.	Mme-M300020638	ILMN_1219621	0	0
17441	Mog	0.173	0.336	0.249	0	0	0	0	0	0	NM_010814	myelin oligodendrocyte glycoprotein (Mog), mRNA.	Mme-M300004151	ILMN_2615034	0	0
68393	Mogat1	0.244	-2.012	0.038	0	-1	0	0	-1	0	NM_026713	monoacylglycerol O-acyltransferase 1 (Mogat1), mRNA.	Mme-M200013548	ILMN_2635387	0	1
233549	Mogat2	-0.141	-0.037	0.049	0	0	0	0	0	0	NM_177448	monoacylglycerol O-acyltransferase 2 (Mogat2), mRNA.	Mme-M400004104	ILMN_2854920	0	0
57377	Mogs	0.289	-0.183	0.047	0	0	0	0	0	0	NM_020619	glucosidase 1 (Gcs1), mRNA.	Mme-M200005872	ILMN_1255453	0	0
26448	Mok	-0.351	0.030	-0.056	0	0	0	0	0	0	NM_011973	renal tumor antigen (Rage), mRNA.	Mme-M300002659	ILMN_2699175	0	0
72825	Mon1a	-0.012	-0.160	0.125	0	0	0	0	0	0	NM_028369	MON1 homolog A (yeast) (Mon1a), mRNA.	Mme-M200008004	ILMN_2734370	0	0
270096	Mon1b	0.233	-0.174	-0.035	0	0	0	0	0	0	NM_001048143	MON1 homolog b (yeast) (Mon1b), transcript variant 2, mRNA.	Mme-M300008764	ILMN_2594558	0	0
67074	Mon2	-0.049	-0.079	-0.098	0	0	0	0	0	0	NM_153395	MON2 homolog (yeast) (Mon2), mRNA.	Mme-M400008733	ILMN_2710773	0	0
17450	Morc1	-0.068	-0.063	-0.011	0	0	0	0	0	0	NM_010816	microrchidia 1 (Morc1), mRNA.	Mme-M200005363	ILMN_1226966	0	0
74522	Morc2a	0.036	-0.052	-0.053	0	0	0	0	0	0	NM_198162	microrchidia 2A (Morc2a), mRNA.	Mme-M200014137	ILMN_1225995	0	0
240069	Morc2b	0.113	-0.012	-0.033	0	0	0	0	0	0	NM_177719	microrchidia 2B (Morc2b), mRNA.	Mme-M300019389	ILMN_2872287	0	0
338467	Morc3	0.305	-0.046	0.116	0	0	0	0	0	0	NM_001045529	microrchidia 3 (Morc3), mRNA.	Mme-M400004178	ILMN_2874739	0	0
56397	Morf4l2	0.437	0.163	-0.085	0	0	0	0	0	0	NM_019768	mortality factor 4 like 2 (Morf4l2), mRNA.	Mme-M200005464	ILMN_2599618	0	0
76866	Morn1	-0.034	0.077	0.035	0	0	0	0	0	0	NM_001081100	MORN repeat containing 1 (Morn1), mRNA.	Mme-M400001134	ILMN_2722009	0	0
378462	Morn2	0.054	-0.003	-0.044	0	0	0	0	0	0	NM_194269	MORN repeat containing 2 (Morn2), mRNA.	Mme-M300016225	ILMN_1219786	0	0
74890	Morn3	0.028	-0.061	-0.072	0	0	0	0	0	0	NM_029112	MORN repeat containing 3 (Morn3), mRNA.	Mme-M200009346	ILMN_1223151	0	0
226123	Morn4	-0.048	0.280	-0.009	0	0	0	0	0	0	NM_198108	cDNA sequence BC023055 (BC023055), mRNA.	Mme-M300020407	ILMN_2675333	0	0
75495	Morn5	0.091	-0.077	-0.195	0	0	0	0	0	0	NM_029309	RIKEN cDNA 1700010A17 gene (1700010A17Rik), mRNA.	Mme-M200007420	ILMN_1253329	0	0
17451	Mos	0.210	0.003	0.056	0	0	0	0	0	0	NM_020021	Moloney sarcoma oncogene (Mos), mRNA.	Mme-M400011352	ILMN_2982636	0	0
70380	Mospd1	0.163	-0.112	0.165	0	0	0	0	0	0	NM_027409	motile sperm domain containing 1 (Mospd1), mRNA.	Mme-M200005901	ILMN_2727258	0	0
76763	Mospd2	-0.017	-0.146	0.051	0	0	0	0	0	0	NM_029730	motile sperm domain containing 2 (Mospd2), mRNA.	Mme-M200005430	ILMN_2563716	0	0
68929	Mospd3	0.038	0.182	-0.051	0	0	0	0	0	0	NM_030037	motile sperm domain containing 3 (Mospd3), mRNA.	Mme-M300010806	ILMN_3153772	0	0
72076	Mospd4	-0.008	-0.033	0.110	0	0	0	0	0	0	XM_128948	PREDICTED: motile sperm domain containing 4 (Mospd4), mRNA.	Mme-M400003175	ILMN_1218764	0	0
17454	Mov10	0.058	0.244	0.139	0	0	0	0	0	0	NM_008619	Moloney leukemia virus 10 (Mov10), mRNA.	Mme-M200000644	ILMN_2915279	0	0
83456	Mov10l1	-0.349	0.014	0.047	0	0	0	0	0	0	NM_031260	Moloney leukemia virus 10-like 1 (Mov10l1), mRNA.	Mme-M200008496	ILMN_2617219	0	0
59012	Moxd1	-0.256	0.094	-0.039	0	0	0	0	0	0	NM_021509	monooxygenase, DBH-like 1 (Moxd1), mRNA.	Mme-M300001947	ILMN_2737390	0	0
194357	Moxd2	0.314	-0.137	-0.061	0	0	0	0	0	0	NM_139296	monooxygenase, DBH-like 2 (Moxd2), mRNA.	Mme-M400001202	ILMN_2862344	0	0
55951	Mpc1	0.321	-0.034	-0.055	0	0	0	0	0	0	NM_018819	brain protein 44-like (Brp44l), mRNA.	Mme-M400011299	ILMN_2740838	0	0
70456	Mpc2	0.048	-0.357	0.277	0	0	0	0	0	0	NM_027430	brain protein 44 (Brp44), mRNA.	Mme-M200006354	ILMN_1237846	0	0
24070	Mpdu1	0.218	0.015	-0.208	0	0	0	0	0	0	NM_011900	mannose-P-dolichol utilization defect 1 (Mpdu1), mRNA.	Mme-M200016004	ILMN_2685811	0	0
17475	Mpdz	-0.120	-0.094	-0.116	0	0	0	0	0	0	NM_010820	multiple PDZ domain protein (Mpdz), mRNA.	Mme-M300006078	ILMN_2662776	0	0
17476	Mpeg1	0.151	0.265	0.211	0	0	0	0	0	0	NM_010821	macrophage expressed gene 1 (Mpeg1), mRNA.	Mme-M400003205	ILMN_1247377	0	0
268395	Mpg	0.108	-0.052	-0.077	0	0	0	0	0	0	NM_010822	N-methylpurine-DNA glycosylase (Mpg), mRNA.	Mme-M200011984	ILMN_2600753	0	0
67973	Mphosph10	0.065	0.036	0.098	0	0	0	0	0	0	NM_026483	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein) (Mphosph10), mRNA.	Mme-M200005381	ILMN_2643547	0	0
68533	Mphosph6	-0.351	0.011	-0.088	0	0	0	0	0	0	NM_026758	M phase phosphoprotein 6 (Mphosph6), mRNA.	Mme-M300007932	ILMN_2703886	0	0
75339	Mphosph8	-0.037	-0.048	-0.012	0	0	0	0	0	0	NM_023773	M-phase phosphoprotein 8 (Mphosph8), mRNA.	Mme-M200005444	ILMN_2721709	0	0
269702	Mphosph9	-0.299	0.141	-0.043	0	0	0	0	0	0	NM_001081323	M-phase phosphoprotein 9 (Mphosph9), mRNA.	Mme-M300011364	ILMN_2481231	0	0
110119	Mpi	0.085	0.168	-0.019	0	0	0	0	0	0	NM_025837	mannose phosphate isomerase (Mpi), mRNA.	Mme-M200012013	ILMN_2724022	0	0
17480	Mpl	-0.077	-0.072	0.137	0	0	0	0	0	0	NM_010823	myeloproliferative leukemia virus oncogene (Mpl), transcript variant 2, mRNA.	Mme-M200002003	ILMN_2855310	0	0
66308	Mplkip	-0.096	-0.208	0.099	0	0	0	0	0	0	NM_025479	RIKEN cDNA 2810021B07 gene (2810021B07Rik), mRNA.	Mme-M200008038	ILMN_1253355	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68047	Mpnd	0.178	0.124	-0.019	0	0	0	0	0	0	NM_026530	MPN domain containing (Mpnd), mRNA.	Mme-M200007587	ILMN_2730803	0	0
17523	Mpo	0.293	0.749	0.353	0	1	1	0	1	0	NM_010824	myeloperoxidase (Mpo), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001877	ILMN_2600421	1	0
17524	Mpp1	0.197	0.137	0.070	0	0	0	0	0	0	NM_008621	membrane protein, palmitoylated (Mpp1), mRNA.	Mme-M200001066	ILMN_3161936	0	0
50997	Mpp2	0.383	0.294	-0.090	0	0	0	0	0	0	NM_016695	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2) (Mpp2), mRNA.	Mme-M300001574	ILMN_2595163	0	0
13384	Mpp3	-0.084	0.400	-0.248	0	0	0	0	0	0	NM_007863	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3) (Mpp3), mRNA.	Mme-M200003906	ILMN_2662595	0	0
227157	Mpp4	-0.396	0.096	-0.007	0	0	0	0	0	0	NM_145143	membrane protein, palmitoylated 4 (MAGUK p55 subfamily member 4) (Mpp4), mRNA.	Mme-M400008644	ILMN_2932574	0	0
56217	Mpp5	0.101	-0.063	-0.056	0	0	0	0	0	0	NM_019579	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) (Mpp5), mRNA.	Mme-M400008853	ILMN_2590811	0	0
56524	Mpp6	0.098	-0.234	0.071	0	0	0	0	0	0	NM_019939	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6) (Mpp6), mRNA.	Mme-M300011535	ILMN_3007680	0	0
75739	Mpp7	0.034	-0.038	-0.022	0	0	0	0	0	0	NM_001081287	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7) (Mpp7), mRNA.	Mme-M400007826	ILMN_1240416	0	0
225651	Mppe1	-0.056	-0.097	0.125	0	0	0	0	0	0	NM_172630	metallophosphoesterase 1 (Mppe1), mRNA.	Mme-M300013008	ILMN_2812244	0	0
223726	Mpped1	0.212	0.245	0.053	0	0	0	0	0	0	NM_172610	metallophosphoesterase domain containing 1 (Mpped1), mRNA.	Mme-M300013313	ILMN_2760540	0	0
26936	Mprip	-0.134	-0.104	-0.170	0	0	0	0	0	0	NM_012027	expressed sequence AA536749 (AA536749), transcript variant 2, mRNA.	Mme-M400008765	ILMN_1254067	0	0
246221	Mpst	0.024	0.061	0.006	0	0	0	0	0	0	NM_138670	mercaptopyruvate sulfurtransferase (Mpst), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003507	ILMN_2669690	0	0
66289	Mptx1	-0.095	-0.044	-0.071	0	0	0	0	0	0	NM_025470	RIKEN cDNA 1810030J14 gene (1810030J14Rik), mRNA.	Mme-M300005159	ILMN_1225061	0	0
17527	Mpv17	0.148	0.110	-0.069	0	0	0	0	0	0	NM_008622	Mpv17 transgene, kidney disease mutant (Mpv17), mRNA.	Mme-M200000365	ILMN_2626383	0	0
93734	Mpv17l	-0.587	0.112	-0.136	0	0	0	0	0	0	NM_033564	Mpv17 transgene, kidney disease mutant-like (Mpv17l), mRNA.	Mme-M200015432	ILMN_2760892	0	0
234384	Mpv17l2	-0.172	-0.065	-0.137	0	0	0	0	0	0	NM_183170	cDNA sequence BC051227 (BC051227), mRNA.	Mme-M300009983	ILMN_1238114	0	0
17528	Mpz	-0.037	0.295	0.135	0	0	0	0	0	0	NM_008623	myelin protein zero (Mpz), mRNA.	Mme-M300000707	ILMN_1231021	0	0
68481	Mpzl1	-0.101	-0.066	0.018	0	0	0	0	0	0	NM_001001880	myelin protein zero-like 1 (Mpzl1), transcript variant 2, mRNA.	Mme-M300005180	ILMN_2714708	0	0
14012	Mpzl2	0.021	-0.084	-0.094	0	0	0	0	0	0	NM_007962	myelin protein zero-like 2 (Mpzl2), mRNA.	Mme-M200007344	ILMN_2906165	0	0
77037	Mrap	-0.123	-0.126	-0.130	0	0	0	0	0	0	NM_029844	melanocortin 2 receptor accessory protein (Mrap), mRNA.	Mme-M200004392	ILMN_1234241	0	0
17532	Mras	-0.162	-0.034	0.056	0	0	0	0	0	0	NM_008624	muscle and microspikes RAS (Mras), mRNA.	Mme-M300008267	ILMN_1252830	0	0
17533	Mrc1	0.190	0.104	0.134	0	0	0	0	0	0	NM_008625	mannose receptor, C type 1 (Mrc1), mRNA.	Mme-M200000767	ILMN_1239430	0	0
17534	Mrc2	0.168	-0.047	0.065	0	0	0	0	0	0	NM_008626	mannose receptor, C type 2 (Mrc2), mRNA.	Mme-M200002762	ILMN_1238243	0	0
17535	Mre11a	-0.091	-0.099	0.134	0	0	0	0	0	0	NM_018736	meiotic recombination 11 homolog A (S. cerevisiae) (Mre11a), mRNA.	Mme-M300007979	ILMN_2982250	0	0
381269	Mreg	-0.072	0.116	0.089	0	0	0	0	0	0	NM_001005423	melanoregulin (Mreg), mRNA.	Mme-M300012147	ILMN_2976159	0	0
67568	Mrfap1	0.181	0.040	-0.035	0	0	0	0	0	0	NM_026242	Morf4 family associated protein 1 (Mrfap1), mRNA.	Mme-M300021114	ILMN_2675623	0	0
233221	Mrgpra1	-0.101	0.084	-0.057	0	0	0	0	0	0	NM_153095	MAS-related GPR, member A1 (Mrgpra1), mRNA.	Mme-M400012185	ILMN_1230705	0	0
235712	Mrgpra2b	-0.454	-0.100	-0.047	0	0	0	0	0	0	NM_153101	MAS-related GPR, member A2 (Mrgpra2), mRNA.	Mme-M400004682	ILMN_1237571	0	0
233222	Mrgpra3	-0.185	-0.198	0.008	0	0	0	0	0	0	NM_153067	MAS-related GPR, member A3 (Mrgpra3), mRNA.	Mme-M400002302	ILMN_1226770	0	0
235854	Mrgpra4	0.048	-0.041	-0.028	0	0	0	0	0	0	NM_153524	MAS-related GPR, member A4 (Mrgpra4), mRNA.	Mme-M400012196	ILMN_2781430	0	0
404235	Mrgpra5	-0.480	0.030	-0.065	0	0	0	0	0	0	NM_207534	MAS-related GPR, member A5 (Mrgpra5), mRNA.	Mme-M400012646	ILMN_2992572	0	0
404236	Mrgpra7	-0.529	-0.011	0.078	0	0	0	0	0	0	NM_207535	MAS-related GPR, member A7 (Mrgpra7), mRNA.	Mme-M400012647	ILMN_2861051	0	0
404237	Mrgpra8	0.009	0.078	0.050	0	0	0	0	0	0	NM_207536	MAS-related GPR, member A8 (Mrgpra8), mRNA.	Mme-M400012648	ILMN_2941599	0	0
668725	Mrgpra9	0.109	0.050	-0.012	0	0	0	0	0	0	XM_001471921	PREDICTED: predicted gene, EG668725 (EG668725), mRNA.	Mme-M400006357	ILMN_1258939	0	0
233231	Mrgprb1	-0.400	0.034	-0.026	0	0	0	0	0	0	NM_205810	MAS-related GPR, member B1 (Mrgprb1), mRNA.	Mme-M400003187	ILMN_1245063	0	0
243979	Mrgprb2	-0.174	-0.023	-0.050	0	0	0	0	0	0	NM_175531	MAS-related GPR, member B2 (Mrgprb2), mRNA.	Mme-M400003686	ILMN_1257975	0	0
404238	Mrgprb3	0.146	-0.083	0.057	0	0	0	0	0	0	NM_207537	MAS-related GPR, member B3 (Mrgprb3), mRNA.	Mme-M300020047	ILMN_1256529	0	0
233230	Mrgprb4	0.042	0.074	-0.008	0	0	0	0	0	0	NM_205795	MAS-related GPR, member B4 (Mrgprb4), mRNA.	Mme-M400003011	ILMN_2695581	0	0
404239	Mrgprb5	-0.054	-0.017	0.029	0	0	0	0	0	0	NM_207538	MAS-related GPR, member B5 (Mrgprb5), mRNA.	Mme-M400003183	ILMN_1235014	0	0
404240	Mrgprb8	-0.159	-0.172	0.024	0	0	0	0	0	0	NM_207539	MAS-related GPR, member B8 (Mrgprb8), mRNA.	Mme-M400003746	ILMN_1230654	0	0
211578	Mrgprd	-0.409	-0.031	-0.211	0	0	0	0	0	0	NM_203490	MAS-related GPR, member D (Mrgprd), mRNA.	Mme-M300021863	ILMN_2689781	0	0
244238	Mrgpre	-0.261	0.024	-0.016	0	0	0	0	0	0	NM_175534	MAS-related GPR, member E (Mrgpre), mRNA.	Mme-M300019738	ILMN_2673484	0	0
211577	Mrgprf	-0.031	-0.080	-0.065	0	0	0	0	0	0	NM_145379	MAS-related GPR, member F (Mrgprf), mRNA.	Mme-M200013359	ILMN_2760254	0	0
381974	Mrgprg	-0.038	-0.035	-0.052	0	0	0	0	0	0	NM_203492	MAS-related GPR, member G (Mrgprg), mRNA.	Mme-M300020982	ILMN_2685203	0	0
80978	Mrgprh	0.038	0.026	-0.037	0	0	0	0	0	0	NM_030726	MAS-related GPR, member H (Mrgprh), mRNA.	Mme-M400009677	ILMN_2671160	0	0
404242	Mrgprx1	-0.189	0.080	-0.061	0	0	0	0	0	0	NM_207540	MAS-related GPR, member X1 (Mrgprx1), mRNA.	Mme-M400012649	ILMN_1233345	0	0
67873	Mri1	0.248	0.011	0.002	0	0	0	0	0	0	NM_026423	RIKEN cDNA 2410018C20 gene (2410018C20Rik), mRNA.	Mme-M200014583	ILMN_2844848	0	0
69563	Mrln	0.451	0.067	0.042	0	0	0	0	0	0	XM_483917	PREDICTED: RIKEN cDNA 2310015B20 gene (2310015B20Rik), mRNA.	Mme-M200015140	ILMN_2737747	0	0
217038	Mrm1	0.003	0.040	-0.015	0	0	0	0	0	0	NM_145433	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae) (Mrm1), nuclear gene encoding mitochondrial	Mme-M200015106	ILMN_2649654	0	0
71263	Mro	-0.180	0.039	0.070	0	0	0	0	0	0	NM_027741	Maestro (Mro), mRNA.	Mme-M200008980	ILMN_2756846	0	0
100040766	Mroh2a	-0.272	-0.161	0.076	0	0	0	0	0	0	XM_001475729	PREDICTED: similar to hCG2012694 (LOC100040766), mRNA.	Mme-M400002958	ILMN_1216395	0	0
223825	Mroh2b	-0.156	0.054	-0.045	0	0	0	0	0	0	XM_904650	PREDICTED: RIKEN cDNA 4930455B06 gene (4930455B06Rik), mRNA.	Mme-M200010818	ILMN_1234768	0	0
76422	Mroh3	-0.065	0.002	-0.024	0	0	0	0	0	0	XR_033633	PREDICTED: RIKEN cDNA 2310006M14 gene (2310006M14Rik), misc RNA.	Mme-M400014583	ILMN_1259209	0	0
69439	Mroh4	-0.231	-0.035	0.036	0	0	0	0	0	0	XM_128161	PREDICTED: RIKEN cDNA 1700016M24 gene (1700016M24Rik), mRNA.	Mme-M200015512	ILMN_1240357	0	0
78258	Mroh9	-0.333	0.089	0.027	0	0	0	0	0	0	XM_136353	PREDICTED: RIKEN cDNA 4921528O07 gene (4921528O07Rik), mRNA.	Mme-M200015479	ILMN_2758849	0	0
94061	Mrpl1	0.328	-0.024	-0.030	0	0	0	0	0	0	NM_053158	mitochondrial ribosomal protein L1 (Mrpl1), nuclear gene encoding mitochondrial protein, transcript variant 1, r	Mme-M300006704	ILMN_2747281	0	0
107732	Mrpl10	-0.078	0.138	-0.013	0	0	0	0	0	0	NM_026154	mitochondrial ribosomal protein L10 (Mrpl10), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000194	ILMN_2822622	0	0
66419	Mrpl11	0.279	-0.065	-0.101	0	0	0	0	0	0	NM_025553	mitochondrial ribosomal protein L11 (Mrpl11), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006033	ILMN_1232776	0	0
56282	Mrpl12	0.087	0.056	0.070	0	0	0	0	0	0	NM_027204	mitochondrial ribosomal protein L12 (Mrpl12), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300012276	ILMN_2883147	0	0
68537	Mrpl13	0.157	0.143	0.099	0	0	0	0	0	0	NM_026759	mitochondrial ribosomal protein L13 (Mrpl13), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002853	ILMN_2982200	0	0
68463	Mrpl14	0.166	0.031	-0.258	0	0	0	0	0	0	NM_026732	mitochondrial ribosomal protein L14 (Mrpl14), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300003823	ILMN_2734045	0	0
27395	Mrpl15	0.259	0.059	-0.132	0	0	0	0	0	0	NM_025300	mitochondrial ribosomal protein L15 (Mrpl15), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300008978	ILMN_1233595	0	0
94063	Mrpl16	0.063	-0.060	-0.100	0	0	0	0	0	0	NM_025606	mitochondrial ribosomal protein L16 (Mrpl16), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000772	ILMN_2611648	0	0
27397	Mrpl17	-0.072	-0.097	-0.193	0	0	0	0	0	0	NM_025301	mitochondrial ribosomal protein L17 (Mrpl17), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014064	ILMN_2639373	0	0
67681	Mrpl18	0.263	0.034	-0.032	0	0	0	0	0	0	NM_026310	mitochondrial ribosomal protein L18 (Mrpl18), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011552	ILMN_2823250	0	0
27398	Mrpl2	0.114	0.034	-0.138	0	0	0	0	0	0	NM_025302	mitochondrial ribosomal protein L2 (Mrpl2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006367	ILMN_2842366	0	0
66448	Mrpl20	0.037	-0.094	0.027	0	0	0	0	0	0	NM_025570	mitochondrial ribosomal protein L20 (Mrpl20), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006462	ILMN_2665316	0	0
353242	Mrpl21	0.139	0.041	0.050	0	0	0	0	0	0	NM_172252	mitochondrial ribosomal protein L21 (Mrpl21), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200015367	ILMN_2640313	0	0
216767	Mrpl22	0.031	0.038	-0.012	0	0	0	0	0	0	NM_175001	mitochondrial ribosomal protein L22 (Mrpl22), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002226	ILMN_2665552	0	0
19935	Mrpl23	0.340	0.107	-0.058	0	0	0	0	0	0	NM_011288	mitochondrial ribosomal protein L23 (Mrpl23), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300014875	ILMN_1236904	0	0
94064	Mrpl27	0.176	-0.010	-0.006	0	0	0	0	0	0	NM_053161	mitochondrial ribosomal protein L27 (Mrpl27), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300011901	ILMN_2691298	0	0
68611	Mrpl28	0.025	-0.088	-0.160	0	0	0	0	0	0	NM_024227	mitochondrial ribosomal protein L28 (Mrpl28), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005509	ILMN_1237265	0	0
94062	Mrpl3	0.306	-0.181	-0.170	0	0	0	0	0	0	NM_053159	mitochondrial ribosomal protein L3 (Mrpl3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006632	ILMN_2643264	0	0
107734	Mrpl30	0.023	0.015	0.121	0	0	0	0	0	0	NM_027098	mitochondrial ribosomal protein L30 (Mrpl30), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300004928	ILMN_1260262	0	0
75398	Mrpl32	0.218	-0.026	-0.061	0	0	0	0	0	0	NM_029271	mitochondrial ribosomal protein L32 (Mrpl32), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007864	ILMN_2695342	0	0
66845	Mrpl33	0.339	0.273	0.085	0	0	0	0	0	0	NM_025796	mitochondrial ribosomal protein L33 (Mrpl33), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006515	ILMN_1229110	0	0
94065	Mrpl34	0.281	-0.205	-0.226	0	0	0	0	0	0	NM_053162	mitochondrial ribosomal protein L34 (Mrpl34), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006506	ILMN_2744204	0	0
66223	Mrpl35	0.054	0.112	-0.121	0	0	0	0	0	0	NM_025430	mitochondrial ribosomal protein L35 (Mrpl35), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011484	ILMN_2753924	0	0
94066	Mrpl36	0.327	-0.065	-0.045	0	0	0	0	0	0	NM_053163	mitochondrial ribosomal protein L36 (Mrpl36), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005345	ILMN_2797212	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56280	Mrpl37	0.123	0.107	-0.126	0	0	0	0	0	0	NM_025500	mitochondrial ribosomal protein L37 (Mrpl37), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006519	ILMN_1254715	0	0
60441	Mrpl38	0.136	-0.182	-0.090	0	0	0	0	0	0	NM_024177	mitochondrial ribosomal protein L38 (Mrpl38), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006755	ILMN_2664049	0	0
27393	Mrpl39	0.076	-0.076	-0.028	0	0	0	0	0	0	NM_017404	mitochondrial ribosomal protein L39 (Mrpl39), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008580	ILMN_1249407	0	0
66163	Mrpl4	0.238	0.060	-0.035	0	0	0	0	0	0	NM_023167	mitochondrial ribosomal protein L4 (Mrpl4), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000401	ILMN_1257408	0	0
18100	Mrpl40	0.376	0.075	-0.057	0	0	0	0	0	0	NM_010922	mitochondrial ribosomal protein L40 (Mrpl40), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004003	ILMN_2609087	0	0
107733	Mrpl41	-0.017	0.070	-0.015	0	0	0	0	0	0	NM_001031808	mitochondrial ribosomal protein L41 (Mrpl41), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300010565	ILMN_2424475	0	0
67270	Mrpl42	0.284	0.194	-0.106	0	0	0	0	0	0	NM_026065	DNA segment, Chr 10, ERATO Doi 322, expressed (D10Ertd322e), mRNA.	Mme-M300001050	ILMN_2727992	0	0
94067	Mrpl43	0.210	-0.069	-0.057	0	0	0	0	0	0	NM_053164	mitochondrial ribosomal protein L43 (Mrpl43), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300004513	ILMN_2598222	0	0
69163	Mrpl44	0.307	-0.059	-0.083	0	0	0	0	0	0	NM_001081210	mitochondrial ribosomal protein L44 (Mrpl44), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005806	ILMN_1227033	0	0
67036	Mrpl45	0.163	0.137	-0.181	0	0	0	0	0	0	NM_025927	mitochondrial ribosomal protein L45 (Mrpl45), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002253	ILMN_2668369	0	0
67308	Mrpl46	0.096	0.026	-0.045	0	0	0	0	0	0	NM_023331	mitochondrial ribosomal protein L46 (Mrpl46), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004714	ILMN_2740922	0	0
74600	Mrpl47	-0.059	0.080	0.050	0	0	0	0	0	0	NM_029017	mitochondrial ribosomal protein L47 (Mrpl47), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011655	ILMN_2723579	0	0
52443	Mrpl48	0.274	0.140	-0.052	0	0	0	0	0	0	NM_198831	mitochondrial ribosomal protein L48 (Mrpl48), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400001307	ILMN_2663679	0	0
18120	Mrpl49	0.302	0.130	-0.225	0	0	0	0	0	0	NM_026246	mitochondrial ribosomal protein L49 (Mrpl49), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000891	ILMN_2701363	0	0
28028	Mrpl50	0.080	-0.031	-0.046	0	0	0	0	0	0	NM_178603	mitochondrial ribosomal protein L50 (Mrpl50), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300015067	ILMN_1247384	0	0
66493	Mrpl51	0.210	0.127	-0.167	0	0	0	0	0	0	NM_025595	mitochondrial ribosomal protein L51 (Mrpl51), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300007148	ILMN_2653020	0	0
68836	Mrpl52	0.109	-0.198	-0.049	0	0	0	0	0	0	NM_026851	mitochondrial ribosomal protein L52 (Mrpl52), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006915	ILMN_2601865	0	0
68499	Mrpl53	0.218	0.034	-0.113	0	0	0	0	0	0	NM_026744	mitochondrial ribosomal protein L53 (Mrpl53), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013658	ILMN_2767187	0	0
66047	Mrpl54	0.133	-0.086	-0.002	0	0	0	0	0	0	NM_025317	mitochondrial ribosomal protein L54 (Mrpl54), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013992	ILMN_2755519	0	0
67212	Mrpl55	0.226	-0.037	-0.107	0	0	0	0	0	0	NM_026035	mitochondrial ribosomal protein L55 (Mrpl55), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007661	ILMN_2590185	0	0
67840	Mrpl57	-0.351	-0.012	-0.081	0	0	0	0	0	0	NM_026401	mitochondrial ribosomal protein 63 (Mrp63), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006880	ILMN_2790113	0	0
78523	Mrpl9	0.078	0.121	0.030	0	0	0	0	0	0	NM_030116	mitochondrial ribosomal protein L9 (Mrpl9), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013469	ILMN_2534975	0	0
64657	Mrps10	-0.105	-0.059	-0.075	0	0	0	0	0	0	NM_183086	mitochondrial ribosomal protein S10 (Mrps10), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300009505	ILMN_2691360	0	0
67994	Mrps11	0.205	-0.031	-0.099	0	0	0	0	0	0	NM_026498	mitochondrial ribosomal protein S11 (Mrps11), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300007326	ILMN_2786708	0	0
24030	Mrps12	0.217	0.095	-0.187	0	0	0	0	0	0	NM_011885	mitochondrial ribosomal protein S12 (Mrps12), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400003093	ILMN_2777706	0	0
64659	Mrps14	0.036	-0.009	-0.030	0	0	0	0	0	0	NM_025474	mitochondrial ribosomal protein S14 (Mrps14), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006555	ILMN_1256760	0	0
66407	Mrps15	0.266	-0.084	0.238	0	0	0	0	0	0	NM_025544	mitochondrial ribosomal protein S15 (Mrps15), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006334	ILMN_1224268	0	0
66242	Mrps16	0.108	0.033	-0.087	0	0	0	0	0	0	NM_025440	mitochondrial ribosomal protein S16 (Mrps16), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004684	ILMN_2619671	0	0
66258	Mrps17	0.193	-0.013	-0.071	0	0	0	0	0	0	NM_025450	mitochondrial ribosomal protein S17 (Mrps17), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004788	ILMN_2758690	0	0
68565	Mrps18a	0.108	0.068	-0.166	0	0	0	0	0	0	NM_026768	mitochondrial ribosomal protein S18A (Mrps18a), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005023	ILMN_2717916	0	0
66973	Mrps18b	0.345	0.182	-0.100	0	0	0	0	0	0	NM_025878	mitochondrial ribosomal protein S18B (Mrps18b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006503	ILMN_2865239	0	0
68735	Mrps18c	0.285	0.025	0.119	0	0	0	0	0	0	NM_026826	mitochondrial ribosomal protein S18C (Mrps18c), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005152	ILMN_2747345	0	0
118451	Mrps2	0.157	0.083	0.052	0	0	0	0	0	0	NM_080452	mitochondrial ribosomal protein S2 (Mrps2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011792	ILMN_1233225	0	0
66292	Mrps21	0.210	-0.018	-0.112	0	0	0	0	0	0	NM_078479	mitochondrial ribosomal protein S21 (Mrps21), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011790	ILMN_2745555	0	0
64655	Mrps22	0.122	0.052	-0.077	0	0	0	0	0	0	NM_025485	mitochondrial ribosomal protein S22 (Mrps22), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003560	ILMN_2787396	0	0
64656	Mrps23	0.157	0.100	-0.083	0	0	0	0	0	0	NM_024174	mitochondrial ribosomal protein S23 (Mrps23), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013784	ILMN_2762361	0	0
64660	Mrps24	0.033	-0.184	-0.004	0	0	0	0	0	0	NM_026080	mitochondrial ribosomal protein S24 (Mrps24), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200002524	ILMN_2673024	0	0
64658	Mrps25	0.292	0.118	-0.178	0	0	0	0	0	0	NM_025578	mitochondrial ribosomal protein S25 (Mrps25), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300001311	ILMN_1239113	0	0
99045	Mrps26	0.149	-0.102	-0.168	0	0	0	0	0	0	NM_207207	mitochondrial ribosomal protein S26 (Mrps26), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300011099	ILMN_3005827	0	0
218506	Mrps27	0.084	0.035	-0.127	0	0	0	0	0	0	NM_173757	mitochondrial ribosomal protein S27 (Mrps27), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300013274	ILMN_2588199	0	0
66230	Mrps28	0.339	-0.068	-0.046	0	0	0	0	0	0	NM_025434	mitochondrial ribosomal protein S28 (Mrps28), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008075	ILMN_2752224	0	0
59054	Mrps30	0.070	-0.263	-0.014	0	0	0	0	0	0	NM_021556	mitochondrial ribosomal protein S30 (Mrps30), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200009486	ILMN_1225936	0	0
57312	Mrps31	0.236	0.203	0.040	0	0	0	0	0	0	NM_020560	mitochondrial ribosomal protein S31 (Mrps31), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000711	ILMN_2829295	0	0
14548	Mrps33	0.127	0.016	-0.016	0	0	0	0	0	0	NM_001010930	mitochondrial ribosomal protein S33 (Mrps33), nuclear gene encoding mitochondrial protein, transcript variant 1	Mme-M400001207	ILMN_3163302	0	0
79044	Mrps34	0.331	-0.125	-0.015	0	0	0	0	0	0	NM_023260	mitochondrial ribosomal protein S34 (Mrps34), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006629	ILMN_2655774	0	0
232536	Mrps35	0.028	-0.057	-0.008	0	0	0	0	0	0	NM_145573	mitochondrial ribosomal protein S35 (Mrps35), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014576	ILMN_1258993	0	0
77721	Mrps5	-0.040	0.109	0.049	0	0	0	0	0	0	NM_029963	mitochondrial ribosomal protein S5 (Mrps5), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005607	ILMN_2780177	0	0
121022	Mrps6	0.092	-0.035	-0.136	0	0	0	0	0	0	NM_080456	mitochondrial ribosomal protein S6 (Mrps6), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005361	ILMN_1246725	0	0
50529	Mrps7	0.108	0.135	0.108	0	0	0	0	0	0	NM_025305	mitchondrial ribosomal protein S7 (Mrps7), mRNA.	Mme-M200012234	ILMN_2981821	0	0
69527	Mrps9	0.025	-0.005	-0.169	0	0	0	0	0	0	NM_023514	mitochondrial ribosomal protein S9 (Mrps9), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008086	ILMN_1233192	0	0
67871	Mrrf	-0.134	0.088	-0.050	0	0	0	0	0	0	NM_026422	mitochondrial ribosome recycling factor (Mrrf), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006324	ILMN_2589266	0	0
380836	Mrs2	-0.068	-0.164	0.046	0	0	0	0	0	0	NM_001013389	MRS2 magnesium homeostasis factor homolog (S. cerevisiae) (Mrs2), mRNA.	Mme-M400000460	ILMN_1253039	0	0
69902	Mrto4	0.189	0.080	-0.008	0	0	0	0	0	0	NM_023536	MRT4, mRNA turnover 4, homolog (S. cerevisiae) (Mrto4), mRNA.	Mme-M200005735	ILMN_2772380	0	0
17540	Mrvi1	0.270	-0.227	-0.130	0	0	0	0	0	0	NM_194464	MRV integration site 1 (Mrvi1), transcript variant 2, mRNA.	Mme-M300000700	ILMN_2746283	0	0
69826	Ms4a10	0.078	-0.014	-0.042	0	0	0	0	0	0	NM_023529	membrane-spanning 4-domains, subfamily A, member 10 (Ms4a10), mRNA.	Mme-M200014462	ILMN_2617256	0	0
381213	Ms4a12	0.026	0.085	0.036	0	0	0	0	0	0	XM_001474614	PREDICTED: membrane-spanning 4-domains, subfamily A, member 12 (Ms4a12), mRNA.	Mme-M400006186	ILMN_1256135	0	0
73466	Ms4a13	-0.094	0.073	-0.056	0	0	0	0	0	0	NM_198224	membrane-spanning 4-domains, subfamily A, member 13 (Ms4a13), mRNA.	Mme-M400012581	ILMN_2452344	0	0
383435	Ms4a14	0.107	0.035	-0.052	0	0	0	0	0	0	XM_357051	PREDICTED: gene model 1276, (NCBI) (Gm1276), mRNA.	Mme-M400000768	ILMN_1228055	0	0
76002	Ms4a18	0.165	0.024	-0.007	0	0	0	0	0	0	XM_129208	PREDICTED: RIKEN cDNA 5033428B15 gene (5033428B15Rik), mRNA.	Mme-M400014503	ILMN_1220925	0	0
14126	Ms4a2	-0.351	-0.086	0.048	0	0	0	0	0	0	NM_013516	membrane-spanning 4-domains, subfamily A, member 2 (Ms4a2), mRNA.	Mme-M200000963	ILMN_2742703	0	0
170813	Ms4a3	0.030	0.115	0.121	0	0	0	0	0	0	NM_133246	membrane-spanning 4-domains, subfamily A, member 3 (Ms4a3), mRNA.	Mme-M200008917	ILMN_2719732	0	0
60361	Ms4a4b	0.096	-0.024	0.105	0	0	0	0	0	0	NM_021718	membrane-spanning 4-domains, subfamily A, member 4B (Ms4a4b), mRNA.	Mme-M400005460	ILMN_2599273	0	0
64380	Ms4a4c	0.234	0.000	0.094	0	0	0	0	0	0	NM_029499	membrane-spanning 4-domains, subfamily A, member 4C (Ms4a4c), mRNA.	Mme-M400011673	ILMN_2678607	0	0
66607	Ms4a4d	0.398	-0.004	-0.076	0	0	0	0	0	0	NM_025658	membrane-spanning 4-domains, subfamily A, member 4D (Ms4a4d), mRNA.	Mme-M300004269	ILMN_2735547	0	0
269063	Ms4a5	-0.864	-0.011	0.022	-1	0	0	0	0	0	NM_183190	membrane-spanning 4-domains, subfamily A, member 5 (Ms4a5), mRNA.	Mme-M400004845	ILMN_2726615	0	0
69774	Ms4a6b	0.399	0.028	0.046	0	0	0	0	0	0	NM_027209	membrane-spanning 4-domains, subfamily A, member 6B (Ms4a6b), mRNA.	Mme-M400011597	ILMN_1254692	0	0
73656	Ms4a6c	0.391	0.061	0.069	0	0	0	0	0	0	NM_028595	membrane-spanning 4-domains, subfamily A, member 6C (Ms4a6c), mRNA.	Mme-M200015907	ILMN_2772710	0	0
68774	Ms4a6d	0.218	0.581	0.340	0	1	1	0	1	0	NM_026835	membrane-spanning 4-domains, subfamily A, member 6D (Ms4a6d), mRNA.	Mme-M400000771	ILMN_2602352	1	0
109225	Ms4a7	0.010	0.260	0.054	0	0	0	0	0	0	NM_001025610	membrane-spanning 4-domains, subfamily A, member 7 (Ms4a7), transcript variant 2, mRNA.	Mme-M300004263	ILMN_3091003	0	0
64381	Ms4a8a	-0.249	0.095	0.030	0	0	0	0	0	0	NM_022430	membrane-spanning 4-domains, subfamily A, member 8A (Ms4a8a), mRNA.	Mme-M300004280	ILMN_1256614	0	0
403174	Msantd1	-0.221	-0.108	-0.066	0	0	0	0	0	0	NM_207277	RIKEN cDNA A930005I04 gene (A930005I04Rik), mRNA.	Mme-M300021894	ILMN_1230498	0	0
235184	Msantd2	0.191	-0.008	-0.072	0	0	0	0	0	0	NM_146222	cDNA sequence BC024479 (BC024479), mRNA.	Mme-M300013530	ILMN_2658680	0	0
66665	Msantd3	0.208	-0.140	-0.005	0	0	0	0	0	0	NM_028137	RIKEN cDNA 5730528L13 gene (5730528L13Rik), mRNA.	Mme-M200012649	ILMN_1222594	0	0
78100	Msantd4	0.231	0.047	0.034	0	0	0	0	0	0	NM_145609	RIKEN cDNA 8430410K20 gene (8430410K20Rik), mRNA.	Mme-M200013092	ILMN_1232530	0	0
17681	Msc	-0.412	-0.051	0.022	0	0	0	0	0	0	NM_010827	musculin (Msc), mRNA.	Mme-M400000871	ILMN_2769777	0	0
17685	Msh2	0.029	0.179	-0.090	0	0	0	0	0	0	NM_008628	mutS homolog 2 (E. coli) (Msh2), mRNA.	Mme-M300003947	ILMN_2634358	0	0
17686	Msh3	-0.096	-0.089	0.067	0	0	0	0	0	0	NM_010829	mutS homolog 3 (E. coli) (Msh3), mRNA.	Mme-M300001341	ILMN_2486873	0	0
55993	Msh4	-0.108	-0.026	0.040	0	0	0	0	0	0	NM_031870	mutS homolog 4 (E. coli) (Msh4), mRNA.	Mme-M200003060	ILMN_2812016	0	0
17687	Msh5	-0.336	0.048	0.117	0	0	0	0	0	0	NM_013600	mutS homolog 5 (E. coli) (Msh5), mRNA.	Mme-M200004819	ILMN_2636175	0	0
17688	Msh6	-0.116	-0.196	0.077	0	0	0	0	0	0	NM_010830	mutS homolog 6 (E. coli) (Msh6), mRNA.	Mme-M200003589	ILMN_2631098	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
17690	Msi1	0.135	0.016	0.095	0	0	0	0	0	0	NM_008629	Musashi homolog 1(Drosophila) (Msi1), mRNA.	Mme-M200002135	ILMN_1231287	0	0
76626	Msi2	0.128	-0.197	-0.250	0	0	0	0	0	0	NM_054043	Musashi homolog 2 (Drosophila) (Msi2), mRNA.	Mme-M400001635	ILMN_1220186	0	0
74026	Msl1	0.282	-0.153	0.085	0	0	0	0	0	0	NM_028722	RIKEN cDNA 4121402D02 gene (4121402D02Rik), mRNA.	Mme-M200006924	ILMN_1244356	0	0
77853	Msl2	-0.065	-0.126	-0.155	0	0	0	0	0	0	XM_150227	PREDICTED: male-specific lethal 2-like 1 (Drosophila) (Msl2l1), mRNA.	Mme-M300021428	ILMN_1243234	0	0
73390	Msl3l2	-0.030	-0.071	-0.073	0	0	0	0	0	0	NR_003618	RIKEN cDNA 1700060H10 gene (1700060H10Rik) on chromosome 10.	Mme-M200008332	ILMN_2625654	0	0
56047	Msln	-0.383	0.032	0.037	0	0	0	0	0	0	NM_018857	mesothelin (Msln), mRNA.	Mme-M200003509	ILMN_1231379	0	0
328783	Mslnl	-0.076	-1.115	0.059	0	-1	0	0	-1	0	NM_177822	cDNA sequence BC052484 (BC052484), mRNA.	Mme-M300001771	ILMN_1225423	0	1
17695	Msmb	-0.261	-0.024	0.048	0	0	0	0	0	0	NM_020597	beta-microseminoprotein (Msmb), mRNA.	Mme-M300002995	ILMN_1212724	0	0
66234	Msmo1	0.164	-0.103	0.170	0	0	0	0	0	0	NM_025436	sterol-C4-methyl oxidase-like (Sc4mol), mRNA.	Mme-M200006850	ILMN_2823778	0	0
17698	Msn	0.023	0.338	0.076	0	0	0	0	0	0	NM_010833	moesin (Msn), mRNA.	Mme-M300007610	ILMN_2694960	0	0
20288	Msr1	0.289	-0.054	-0.094	0	0	0	0	0	0	NM_031195	macrophage scavenger receptor 1 (Msr1), transcript variant 1, mRNA.	Mme-M300004444	ILMN_2619240	0	0
110265	Msra	0.035	-0.004	-0.027	0	0	0	0	0	0	NM_026322	methionine sulfoxide reductase A (Msra), mRNA.	Mme-M400004923	ILMN_1227857	0	0
27361	Msrb1	0.144	0.181	-0.101	0	0	0	0	0	0	NM_013759	selenoprotein X 1 (Sepx1), mRNA.	Mme-M400006790	ILMN_1257142	0	0
76467	Msrb2	0.138	0.044	-0.118	0	0	0	0	0	0	NM_029619	methionine sulfoxide reductase B2 (Msrb2), mRNA.	Mme-M200005447	ILMN_2699556	0	0
320183	Msrb3	0.383	0.007	0.002	0	0	0	0	0	0	NM_177092	methionine sulfoxide reductase B3 (Msrb3), mRNA.	Mme-M300021885	ILMN_1249215	0	0
74843	Mss51	0.383	0.161	-0.313	0	0	-1	0	0	0	XM_127602	PREDICTED: zinc finger, MYND domain containing 17 (Zmynd17), mRNA.	Mme-M200015180	ILMN_1244036	0	0
15235	Mst1	-0.349	-0.022	-0.087	0	0	0	0	0	0	NM_008243	macrophage stimulating 1 (hepatocyte growth factor-like) (Mst1), mRNA.	Mme-M200002706	ILMN_2847887	0	0
19882	Mst1r	-0.110	0.116	-0.070	0	0	0	0	0	0	NM_009074	macrophage stimulating 1 receptor (c-met-related tyrosine kinase) (Mst1r), mRNA.	Mme-M200001494	ILMN_2757671	0	0
17700	Mstn	-0.048	-0.007	-0.017	0	0	0	0	0	0	NM_010834	myostatin (Mstn), mRNA.	Mme-M200001373	ILMN_1231247	0	0
229524	Msto1	0.133	0.147	-0.049	0	0	0	0	0	0	NM_144898	misato homolog 1 (Drosophila) (Msto1), mRNA.	Mme-M400011884	ILMN_2721208	0	0
17701	Msx1	0.389	-0.080	-0.519	0	0	-1	0	0	-1	NM_010835	homeobox, msh-like 1 (Msx1), mRNA.	Mme-M400011074	ILMN_1246173	0	1
17702	Msx2	-0.137	-0.006	0.070	0	0	0	0	0	0	NM_013601	homeobox, msh-like 2 (Msx2), mRNA.	Mme-M200000690	ILMN_1244976	0	0
17703	Msx3	-0.332	0.040	0.034	0	0	0	0	0	0	NM_010836	homeobox, msh-like 3 (Msx3), mRNA.	Mme-M400011075	ILMN_2926942	0	0
17748	Mt1	0.131	-0.037	-0.098	0	0	0	0	0	0	NM_013602	metallothionein 1 (Mt1), mRNA.	Mme-M300007885	ILMN_2596522	0	0
17750	Mt2	0.538	-0.102	-0.120	0	0	0	0	0	0	NM_008630	metallothionein 2 (Mt2), mRNA.	Mme-M200009417	ILMN_1219154	0	0
17751	Mt3	-0.070	0.065	-0.067	0	0	0	0	0	0	NM_013603	metallothionein 3 (Mt3), mRNA.	Mme-M400011205	ILMN_2764651	0	0
17752	Mt4	-0.113	-0.019	0.029	0	0	0	0	0	0	NM_008631	metallothionein 4 (Mt4), mRNA.	Mme-M300007879	ILMN_2740391	0	0
116870	Mta1	0.020	0.132	-0.020	0	0	0	0	0	0	NM_054081	metastasis associated 1 (Mta1), mRNA.	Mme-M200013223	ILMN_1225235	0	0
23942	Mta2	0.193	0.183	-0.102	0	0	0	0	0	0	NM_011842	metastasis-associated gene family, member 2 (Mta2), mRNA.	Mme-M200005111	ILMN_2595774	0	0
116871	Mta3	-0.104	0.032	0.063	0	0	0	0	0	0	NM_054082	metastasis associated 3 (Mta3), mRNA.	Mme-M200003691	ILMN_1259783	0	0
50994	Mtag2	0.143	-0.029	0.040	0	0	0	0	0	0	XR_035718	PREDICTED: metastasis associated gene 2 (Mtag2), misc RNA.	Mme-M400011248	ILMN_2692688	0	0
66902	Mtap	-0.122	0.142	-0.078	0	0	0	0	0	0	NM_024433	methylthioadenosine phosphorylase (Mtap), mRNA.	Mme-M200006035	ILMN_2742867	0	0
320923	Mtap7d3	0.008	0.057	0.008	0	0	0	0	0	0	NM_177293	MAP7 domain containing 3 (Mtap7d3), mRNA.	Mme-M400012406	ILMN_1242359	0	0
105837	Mtbp	-0.040	0.063	0.050	0	0	0	0	0	0	NM_134092	Mdm2, transformed 3T3 cell double minute p53 binding protein (Mtbp), mRNA.	Mme-M200015094	ILMN_1224894	0	0
56462	Mtch1	0.129	-0.150	-0.155	0	0	0	0	0	0	NM_019880	mitochondrial carrier homolog 1 (C. elegans) (Mtch1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006584	ILMN_2708297	0	0
56428	Mtch2	0.210	0.174	0.114	0	0	0	0	0	0	NM_019758	mitochondrial carrier homolog 2 (C. elegans) (Mtch2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005554	ILMN_2848583	0	0
17763	Mtcp1	0.184	-0.035	-0.020	0	0	0	0	0	0	NM_010839	mature T-cell proliferation 1 (Mtcp1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.	Mme-M200003429	ILMN_1234358	0	0
67154	Mtdh	0.226	-0.170	-0.023	0	0	0	0	0	0	NM_026002	Metadherin (Mtdh), mRNA.	Mme-M200012563	ILMN_1224434	0	0
545725	Mterf1a	-0.060	-0.043	0.115	0	0	0	0	0	0	NM_172135	mitochondrial transcription termination factor (Mterf), nuclear gene encoding mitochondrial protein, transcript	Mme-M400002367	ILMN_3109573	0	0
208595	Mterf1b	-0.069	-0.122	0.200	0	0	0	0	0	0	NM_001042670	predicted gene, ENSMUSG00000053178 (ENSMUSG00000053178), nuclear gene encoding mitochondrial protein	Mme-M400004369	ILMN_2714874	0	0
66410	Mterf3	-0.296	-0.157	0.022	0	0	0	0	0	0	NM_025547	MTERF domain containing 1 (Mterfd1), mRNA.	Mme-M200007604	ILMN_2621304	0	0
69821	Mterf4	-0.064	0.110	-0.075	0	0	0	0	0	0	NM_178051	MTERF domain containing 2 (Mterfd2), mRNA.	Mme-M200005756	ILMN_1218949	0	0
74238	Mterfd3	0.036	0.138	0.095	0	0	0	0	0	0	NM_028832	MTERF domain containing 3 (Mterfd3), mRNA.	Mme-M300019805	ILMN_2997379	0	0
17764	Mtf1	0.275	-0.109	-0.021	0	0	0	0	0	0	NM_008636	metal response element binding transcription factor 1 (Mtf1), mRNA.	Mme-M200001813	ILMN_2690756	0	0
17765	Mtf2	0.159	0.216	0.037	0	0	0	0	0	0	NM_013827	metal response element binding transcription factor 2 (Mtf2), mRNA.	Mme-M200002942	ILMN_2452440	0	0
69606	Mtfmt	0.347	0.034	0.113	0	0	0	0	0	0	NM_027134	mitochondrial methionyl-tRNA formyltransferase (Mtfmt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300008236	ILMN_2734667	0	0
67900	Mtfp1	0.151	0.060	0.095	0	0	0	0	0	0	NM_026443	RIKEN cDNA 1700020C11 gene (1700020C11Rik), mRNA.	Mme-M300000602	ILMN_2624145	0	0
67472	Mtfr1	0.112	0.043	0.003	0	0	0	0	0	0	NM_026182	mitochondrial fission regulator 1 (Mtfr1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014181	ILMN_2600762	0	0
76824	Mtfr1l	0.250	0.005	-0.071	0	0	0	0	0	0	NM_029759	RIKEN cDNA 2410166I05 gene (2410166I05Rik), mRNA.	Mme-M200006869	ILMN_2629718	0	0
71804	Mtfr2	-0.551	-0.013	0.038	0	0	0	0	0	0	NM_027930	RIKEN cDNA 2610016C23 gene (2610016C23Rik), mRNA.	Mme-M200007498	ILMN_2758602	0	0
212508	Mtg1	-0.014	0.093	-0.163	0	0	0	0	0	0	NM_199301	mitochondrial GTPase 1 homolog (S. cerevisiae) (Mtg1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400002217	ILMN_1245957	0	0
52856	Mtg2	-0.043	-0.158	-0.026	0	0	0	0	0	0	NM_001083329	GTP binding protein 5 (Gtpbp5), transcript variant 4, mRNA.	Mme-M300011923	ILMN_2759167	0	0
108156	Mthfd1	0.247	-0.140	-0.059	0	0	0	0	0	0	NM_138745	methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, form	Mme-M200006546	ILMN_2960407	0	0
17768	Mthfd2	0.026	-0.088	-0.021	0	0	0	0	0	0	NM_008638	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase (Mthfi	Mme-M200000162	ILMN_2769136	0	0
665563	Mthfd2l	0.183	-0.104	-0.105	0	0	0	0	0	0	NM_026788	RIKEN cDNA 1110019K23 gene (1110019K23Rik), mRNA.	Mme-M200007209	ILMN_2995866	0	0
17769	Mthfr	-0.173	0.018	-0.033	0	0	0	0	0	0	NM_010840	5,10-methylenetetrahydrofolate reductase (Mthfr), mRNA.	Mme-M400002847	ILMN_2657280	0	0
107885	Mthfs	0.229	-0.076	0.079	0	0	0	0	0	0	NM_026829	5, 10-methenyltetrahydrofolate synthetase (Mthfs), mRNA.	Mme-M400011583	ILMN_1223705	0	0
234814	Mthfsd	-0.016	0.064	0.039	0	0	0	0	0	0	NM_172761	methenyltetrahydrofolate synthetase domain containing (Mthfsd), mRNA.	Mme-M300007916	ILMN_2848466	0	0
76784	Mtif2	-0.083	0.183	0.105	0	0	0	0	0	0	NM_133767	mitochondrial translational initiation factor 2 (Mtif2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013308	ILMN_1236180	0	0
76366	Mtif3	0.136	-0.087	0.069	0	0	0	0	0	0	NM_029581	mitochondrial translational initiation factor 3 (Mtif3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200012687	ILMN_2632187	0	0
17771	Mtl5	-0.140	0.104	0.034	0	0	0	0	0	0	NM_001039657	metallothionein-like 5, testis-specific (tesmin) (Mtl5), transcript variant 1, mRNA.	Mme-M200014823	ILMN_3119327	0	0
17772	Mtm1	0.089	0.023	0.055	0	0	0	0	0	0	NM_019926	X-linked myotubular myopathy gene 1 (Mtm1), mRNA.	Mme-M200006078	ILMN_2595143	0	0
53332	Mtmr1	0.146	-0.148	-0.168	0	0	0	0	0	0	NM_016985	myotubularin related protein 1 (Mtmr1), mRNA.	Mme-M200003949	ILMN_1258620	0	0
233315	Mtmr10	0.129	-0.103	-0.029	0	0	0	0	0	0	NM_172742	myotubularin related protein 10 (Mtmr10), mRNA.	Mme-M400012240	ILMN_2605307	0	0
194126	Mtmr11	-0.058	0.100	0.117	0	0	0	0	0	0	NM_181409	myotubularin related protein 11 (Mtmr11), mRNA.	Mme-M300016853	ILMN_2642922	0	0
268783	Mtmr12	-0.084	-0.142	0.077	0	0	0	0	0	0	NM_172958	myotubularin related protein 12 (Mtmr12), mRNA.	Mme-M300012182	ILMN_2755215	0	0
97287	Mtmr14	-0.049	-0.117	-0.185	0	0	0	0	0	0	NM_026849	myotubularin related protein 14 (Mtmr14), mRNA.	Mme-M300007103	ILMN_2689062	0	0
77116	Mtmr2	-0.056	-0.095	0.123	0	0	0	0	0	0	NM_023858	myotubularin related protein 2 (Mtmr2), mRNA.	Mme-M200004858	ILMN_2653681	0	0
74302	Mtmr3	-0.042	0.091	-0.036	0	0	0	0	0	0	NM_028860	myotubularin related protein 3 (Mtmr3), mRNA.	Mme-M300009309	ILMN_2778409	0	0
170749	Mtmr4	0.051	0.004	0.067	0	0	0	0	0	0	NM_133215	myotubularin related protein 4 (Mtmr4), mRNA.	Mme-M200016085	ILMN_2627995	0	0
219135	Mtmr6	0.016	-0.043	0.020	0	0	0	0	0	0	NM_144843	myotubularin related protein 6 (Mtmr6), mRNA.	Mme-M200004861	ILMN_2687053	0	0
54384	Mtmr7	-0.281	-0.082	0.039	0	0	0	0	0	0	NM_001040699	myotubularin related protein 7 (Mtmr7), mRNA.	Mme-M400016596	ILMN_2653457	0	0
210376	Mtmr9	-0.126	0.048	0.146	0	0	0	0	0	0	NM_177594	myotubularin related protein 9 (Mtmr9), mRNA.	Mme-M200003953	ILMN_2750578	0	0
17773	Mtnr1a	0.024	-0.078	0.190	0	0	0	0	0	0	NM_008639	melatonin receptor 1A (Mtnr1a), mRNA.	Mme-M400004934	ILMN_1256388	0	0
244701	Mtnr1b	0.041	-0.126	-0.024	0	0	0	0	0	0	NM_145712	melatonin receptor 1B (Mtnr1b), mRNA.	Mme-M300021563	ILMN_2800014	0	0
68291	Mto1	-0.038	-0.100	-0.103	0	0	0	0	0	0	NM_026658	mitochondrial translation optimization 1 homolog (S. cerevisiae) (Mto1), nuclear gene encoding mitochondrial p	Mme-M200004689	ILMN_2718612	0	0
56717	Mtor	0.021	0.050	-0.040	0	0	0	0	0	0	NM_020009	FK506 binding protein 12-rapamycin associated protein 1 (Frap1), mRNA.	Mme-M200004070	ILMN_2756460	0	0
67440	Mtpap	0.162	-0.074	0.074	0	0	0	0	0	0	NM_026157	PAP associated domain containing 1 (Papd1), mRNA.	Mme-M300004009	ILMN_2748708	0	0
14489	Mtpn	0.187	0.106	0.028	0	0	0	0	0	0	NM_008098	myotrophin (Mtpn), mRNA.	Mme-M300006904	ILMN_2942989	0	0
238505	Mtr	-0.221	-0.106	0.035	0	0	0	0	0	0	NM_001081128	5-methyltetrahydrofolate-homocysteine methyltransferase (Mtr), mRNA.	Mme-M300002690	ILMN_2594180	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
211253	Mtrf1	0.195	-0.055	-0.050	0	0	0	0	0	0	NM_145960	mitochondrial translational release factor 1 (Mtrf1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300003068	ILMN_2955322	0	0
108853	Mtrf1l	0.152	-0.238	0.118	0	0	0	0	0	0	NM_175374	mitochondrial translational release factor 1-like (Mtrf1l), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300001823	ILMN_1226275	0	0
210009	Mtrr	0.018	0.051	-0.075	0	0	0	0	0	0	NM_172480	5-methyltetrahydrofolate-homocysteine methyltransferase reductase (Mtrr), mRNA.	Mme-M300009449	ILMN_2969317	0	0
211401	Mtss1	-0.202	-0.149	-0.085	0	0	0	0	0	0	NM_144800	metastasis suppressor 1 (Mtss1), mRNA.	Mme-M400000568	ILMN_2667363	0	0
244654	Mtss1l	-0.075	0.141	0.102	0	0	0	0	0	0	NM_198625	cDNA sequence BC060632 (BC060632), mRNA.	Mme-M300008920	ILMN_2635848	0	0
17777	Mttp	0.031	-0.043	-0.144	0	0	0	0	0	0	NM_008642	microsomal triglyceride transfer protein (Mttp), mRNA.	Mme-M200001120	ILMN_2628594	0	0
68235	Mturn	-0.361	-0.120	-0.048	0	0	0	0	0	0	NM_026629	RIKEN cDNA 2410066E13 gene (2410066E13Rik), mRNA.	Mme-M200009320	ILMN_1244801	0	0
102103	Mtus1	-0.243	-0.117	0.175	0	0	0	0	0	0	NM_001005865	mitochondrial tumor suppressor 1 (Mtus1), nuclear gene encoding mitochondrial protein, transcript variant 4, m	Mme-M400003109	ILMN_3163347	0	0
77521	Mtus2	0.185	-0.100	-0.094	0	0	0	0	0	0	NM_029920	RIKEN cDNA C130038G02 gene (C130038G02Rik), transcript variant 2, mRNA.	Mme-M400001190	ILMN_2768482	0	0
17827	Mtx1	-0.270	0.011	-0.161	0	0	0	0	0	0	NM_013604	metaxin 1 (Mtx1), mRNA.	Mme-M300008357	ILMN_2646938	0	0
53375	Mtx2	-0.625	-0.016	-0.037	0	0	0	0	0	0	NM_016804	metaxin 2 (Mtx2), mRNA.	Mme-M400011262	ILMN_2641449	0	0
17829	Muc1	0.062	-0.816	-0.118	0	-1	0	0	-1	0	NM_013605	mucin 1, transmembrane (Muc1), mRNA.	Mme-M200003420	ILMN_2928489	0	1
17063	Muc13	0.101	0.057	-0.059	0	0	0	0	0	0	NM_010739	mucin 13, epithelial transmembrane (Muc13), mRNA.	Mme-M200001225	ILMN_2681805	0	0
269328	Muc15	-0.016	-0.123	-0.010	0	0	0	0	0	0	NM_172979	mucin 15 (Muc15), mRNA.	Mme-M300021476	ILMN_2669326	0	0
73732	Muc16	-0.286	-0.368	-0.099	0	0	0	0	0	0	XM_911929	PREDICTED: mucin 16 (Muc16), mRNA.	Mme-M200010644	ILMN_2631869	0	0
239611	Muc19	-0.260	0.022	0.019	0	0	0	0	0	0	NM_207243	mucin 19 (Muc19), mRNA.	Mme-M300015070	ILMN_2592295	0	0
17831	Muc2	0.096	-0.738	-0.014	0	-1	0	0	-1	0	XM_001001905	PREDICTED: mucin 2 (Muc2), mRNA.	Mme-M300004674	ILMN_1221082	0	1
224116	Muc20	-0.164	0.075	0.001	0	0	0	0	0	0	NM_146071	mucin 20 (Muc20), mRNA.	Mme-M300010024	ILMN_1250530	0	0
666339	Muc3	-0.232	0.052	-0.037	0	0	0	0	0	0	XM_355711	PREDICTED: mucin 3, intestinal (Muc3), mRNA.	Mme-M300010898	ILMN_2718570	0	0
140474	Muc4	-0.288	-0.068	0.063	0	0	0	0	0	0	NM_080457	mucin 4 (Muc4), mRNA.	Mme-M400004851	ILMN_2771869	0	0
17833	Muc5ac	-0.295	0.032	-0.020	0	0	0	0	0	0	NM_010844	mucin 5, subtypes A and C, tracheobronchial/gastric (Muc5ac), mRNA.	Mme-M400002082	ILMN_2884000	0	0
74180	Muc5b	0.039	-0.623	-0.078	0	-1	0	0	-1	0	NM_028801	mucin 5, subtype B, tracheobronchial (Muc5b), mRNA.	Mme-M200012941	ILMN_2602097	0	1
353328	Muc6	-0.162	-0.001	-0.068	0	0	0	0	0	0	NM_181729	mucin 6, gastric (Muc6), mRNA.	Mme-M300004673	ILMN_2764391	0	0
20771	Mucl1	-0.034	0.018	0.008	0	0	0	0	0	0	NM_009268	salivary protein 2 (Spt2), mRNA.	Mme-M400007204	ILMN_2657343	0	0
17836	Mug1	-0.638	0.081	0.066	0	0	0	0	0	0	NM_008645	murinoglobulin 1 (Mug1), mRNA.	Mme-M400007010	ILMN_2683432	0	0
17837	Mug2	0.099	-0.103	0.054	0	0	0	0	0	0	NM_008646	murinoglobulin 2 (Mug2), mRNA.	Mme-M400001222	ILMN_1237259	0	0
68350	Mul1	0.080	-0.125	-0.110	0	0	0	0	0	0	NM_026689	mitochondrial ubiquitin ligase activator of NFKB 1 (Mul1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008518	ILMN_2653881	0	0
68114	Mum1	0.127	-0.054	-0.068	0	0	0	0	0	0	NM_023431	melanoma associated antigen (mutated) 1 (Mum1), mRNA.	Mme-M300002025	ILMN_1215647	0	0
245631	Mum1l1	0.264	-0.056	0.007	0	0	0	0	0	0	NM_175541	melanoma associated antigen (mutated) 1-like 1 (Mum1l1), mRNA.	Mme-M300013743	ILMN_2604603	0	0
381530	Mup20	-0.018	-0.016	0.015	0	0	0	0	0	0	NM_001012323	predicted gene, OTTMUSG00000007485 (OTTMUSG00000007485), mRNA.	Mme-M400008288	ILMN_2881950	0	0
381531	Mup21	-0.151	-0.005	-0.008	0	0	0	0	0	0	NM_001009550	predicted gene, OTTMUSG00000000231 (OTTMUSG00000000231), mRNA.	Mme-M400002906	ILMN_2818498	0	0
17843	Mup4	0.049	0.068	0.025	0	0	0	0	0	0	NM_008648	major urinary protein 4 (Mup4), mRNA.	Mme-M400002493	ILMN_2592166	0	0
17844	Mup5	-0.372	0.247	0.093	0	0	0	0	0	0	NM_008649	major urinary protein 5 (Mup5), mRNA.	Mme-M400006379	ILMN_2875730	0	0
620807	Mup6	-0.146	-0.102	-0.004	0	0	0	0	0	0	NM_001081285	novel member of the major urinary protein (Mup) gene family (LOC620807), mRNA.	Mme-M400006389	ILMN_2953807	0	0
68016	Murc	-0.158	0.268	-0.007	0	0	0	0	0	0	NM_026509	RIKEN cDNA 2310039E09 gene (2310039E09Rik), mRNA.	Mme-M200009134	ILMN_2897214	0	0
71711	Mus81	-0.109	0.076	-0.143	0	0	0	0	0	0	NM_027877	MUS81 endonuclease homolog (yeast) (Mus81), mRNA.	Mme-M400011623	ILMN_2651462	0	0
18198	Musk	-0.060	-0.049	-0.021	0	0	0	0	0	0	NM_001037130	muscle, skeletal, receptor tyrosine kinase (Musk), transcript variant 5, mRNA.	Mme-M200003419	ILMN_3102277	0	0
66175	Mustn1	0.832	0.177	-0.186	1	0	0	0	0	0	NM_181390	musculoskeletal, embryonic nuclear protein 1 (Mustn1), mRNA.	Mme-M400002638	ILMN_2658461	0	0
70603	Mutyh	-0.046	-0.048	0.163	0	0	0	0	0	0	NM_133250	mutY homolog (E. coli) (Mutyh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200011941	ILMN_2590061	0	0
73711	Mvb12a	-0.054	-0.096	-0.033	0	0	0	0	0	0	NM_028617	RIKEN cDNA 1110012M11 gene (1110012M11Rik), mRNA.	Mme-M300007915	ILMN_2753109	0	0
72543	Mvb12b	0.072	0.048	-0.012	0	0	0	0	0	0	NM_175184	RIKEN cDNA 2610528K11 gene (2610528K11Rik), mRNA.	Mme-M200010500	ILMN_2666999	0	0
192156	Mvd	-0.303	-0.141	-0.054	0	0	0	0	0	0	NM_138656	mevalonate (diphospho) decarboxylase (Mvd), mRNA.	Mme-M300000820	ILMN_2645275	0	0
17855	Mvk	0.243	0.021	-0.040	0	0	0	0	0	0	NM_023556	mevalonate kinase (Mvk), mRNA.	Mme-M200005828	ILMN_1239601	0	0
78388	Mvp	0.141	0.289	0.045	0	0	0	0	0	0	NM_080638	major vault protein (Mvp), mRNA.	Mme-M200005031	ILMN_2887065	0	0
17857	Mx1	-0.074	0.081	0.184	0	0	0	0	0	0	NM_010846	myxovirus (influenza virus) resistance 1 (Mx1), mRNA.	Mme-M300000067	ILMN_2707870	0	0
17858	Mx2	0.211	0.224	0.192	0	0	0	0	0	0	NM_013606	myxovirus (influenza virus) resistance 2 (Mx2), mRNA.	Mme-M200003282	ILMN_1239219	0	0
17119	Mxd1	0.019	0.157	-0.086	0	0	0	0	0	0	NM_010751	MAX dimerization protein 1 (Mxd1), mRNA.	Mme-M200000511	ILMN_1232668	0	0
17121	Mxd3	0.087	0.113	0.024	0	0	0	0	0	0	NM_016662	Max dimerization protein 3 (Mxd3), mRNA.	Mme-M300002784	ILMN_2642571	0	0
17122	Mxd4	0.084	-0.340	-0.171	0	0	0	0	0	0	NM_010753	Max dimerization protein 4 (Mxd4), mRNA.	Mme-M200008114	ILMN_2760417	0	0
17859	Mxi1	0.200	-0.158	0.065	0	0	0	0	0	0	NM_001008543	Max interacting protein 1 (Mxi1), transcript variant 3, mRNA.	Mme-M200000819	ILMN_2765741	0	0
67622	Mxra7	-0.116	-0.005	-0.055	0	0	0	0	0	0	NM_026280	matrix-remodelling associated 7 (Mxra7), mRNA.	Mme-M300002407	ILMN_2702193	0	0
74761	Mxra8	0.096	0.120	0.076	0	0	0	0	0	0	NM_024263	matrix-remodelling associated 8 (Mxra8), mRNA.	Mme-M200006258	ILMN_2759952	0	0
50918	Myadm	-0.006	0.138	0.102	0	0	0	0	0	0	NM_016969	myeloid-associated differentiation marker (Myadm), transcript variant 4, mRNA.	Mme-M400004949	ILMN_2851671	0	0
17863	Myb	0.493	0.065	-0.014	0	0	0	0	0	0	NM_010848	myeloblastosis oncogene (Myb), mRNA.	Mme-M300001935	ILMN_2752817	0	0
18432	Mybbp1a	0.026	0.197	-0.157	0	0	0	0	0	0	NM_016776	MYB binding protein (P160) 1a (Mybbp1a), mRNA.	Mme-M200009547	ILMN_1230169	0	0
17864	Mybl1	-0.322	0.046	0.050	0	0	0	0	0	0	NM_008651	myeloblastosis oncogene-like 1 (Mybl1), mRNA.	Mme-M400000869	ILMN_2627105	0	0
17865	Mybl2	-0.146	-0.099	0.037	0	0	0	0	0	0	NM_008652	myeloblastosis oncogene-like 2 (Mybl2), mRNA.	Mme-M200001828	ILMN_2826881	0	0
109272	Mybpc1	0.746	0.303	-0.444	1	0	-1	0	0	-1	NM_175418	RIKEN cDNA 8030451F13 gene (8030451F13Rik), mRNA.	Mme-M300001976	ILMN_2744469	0	1
233199	Mybpc2	1.853	0.316	-0.565	1	0	-1	1	0	-1	NM_146189	myosin binding protein C, fast-type (Mybpc2), mRNA.	Mme-M300011700	ILMN_2676012	1	1
17868	Mybpc3	0.002	0.036	-0.062	0	0	0	0	0	0	NM_008653	myosin binding protein C, cardiac (Mybpc3), mRNA.	Mme-M400000049	ILMN_2689136	0	0
53311	Mybph	0.140	0.247	-0.093	0	0	0	0	0	0	NM_016749	myosin binding protein H (Mybph), mRNA.	Mme-M200008976	ILMN_2761495	0	0
17869	Myc	0.477	0.097	0.057	0	0	0	0	0	0	NM_010849	myelocytomatosis oncogene (Myc), mRNA.	Mme-M200000925	ILMN_1231123	0	0
56309	Mycbp	0.122	-0.183	0.022	0	0	0	0	0	0	NM_019660	c-myc binding protein (Mycbp), mRNA.	Mme-M300006211	ILMN_2933756	0	0
105689	Mycbp2	0.087	0.211	0.077	0	0	0	0	0	0	NM_207215	MYC binding protein 2 (Mycbp2), mRNA.	Mme-M300008551	ILMN_1238676	0	0
104601	Mycbpap	-0.115	-0.148	-0.116	0	0	0	0	0	0	NM_170671	Mycbp associated protein (Mycbpap), mRNA.	Mme-M300011963	ILMN_2820831	0	0
16918	Mycl	-0.178	0.020	-0.094	0	0	0	0	0	0	NM_008506	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian) (Mycl1), mRNA.	Mme-M200000384	ILMN_1221750	0	0
18109	Mycn	0.239	0.014	0.008	0	0	0	0	0	0	NM_008709	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) (Mycn), mRNA.	Mme-M200003436	ILMN_2619172	0	0
17870	Mycs	-0.076	-0.053	0.118	0	0	0	0	0	0	NM_010850	myc-like oncogene, s-myc protein (Mycs), mRNA.	Mme-M200014992	ILMN_2909454	0	0
68632	Myct1	0.197	-0.056	0.144	0	0	0	0	0	0	NM_026793	myc target 1 (Myct1), mRNA.	Mme-M200007409	ILMN_2593012	0	0
17874	Myd88	0.363	0.254	0.101	0	0	0	0	0	0	NM_010851	myeloid differentiation primary response gene 88 (Myd88), mRNA.	Mme-M200013247	ILMN_2971767	0	0
28106	Mydgf	-0.109	0.071	-0.013	0	0	0	0	0	0	NM_080837	DNA segment, Chr 17, Wayne State University 104, expressed (D17Wsu104e), mRNA.	Mme-M200006733	ILMN_2603781	0	0
17876	Myef2	0.070	0.069	0.115	0	0	0	0	0	0	NM_010852	myelin basic protein expression factor 2, repressor (Myef2), mRNA.	Mme-M300005509	ILMN_1236139	0	0
66915	Myeov2	-0.098	0.001	0.040	0	0	0	0	0	0	XM_888711	PREDICTED: myeloma overexpressed 2 (Myeov2), mRNA.	Mme-M300020238	ILMN_1249277	0	0
17877	Myf5	0.000	0.026	0.010	0	0	0	0	0	0	NM_008656	myogenic factor 5 (Myf5), mRNA.	Mme-M300000073	ILMN_2710656	0	0
17878	Myf6	0.764	0.468	0.015	1	1	0	0	0	0	NM_008657	myogenic factor 6 (Myf6), mRNA.	Mme-M200000005	ILMN_1213941	0	0
60315	Myg1	0.137	0.022	-0.181	0	0	0	0	0	0	NM_021713	melanocyte proliferating gene 1 (Myg1), mRNA.	Mme-M200011769	ILMN_1225033	0	0
17879	Myh1	2.614	0.074	-1.084	1	0	-1	1	0	-1	NM_030679	myosin, heavy polypeptide 1, skeletal muscle, adult (Myh1), mRNA.	Mme-M300008632	ILMN_2865744	1	1
77579	Myh10	0.058	0.086	0.009	0	0	0	0	0	0	NM_175260	myosin, heavy polypeptide 10, non-muscle (Myh10), mRNA.	Mme-M300002454	ILMN_1226114	0	0
17880	Myh11	0.844	-0.567	0.033	1	-1	0	0	-1	0	NM_013607	myosin, heavy polypeptide 11, smooth muscle (Myh11), mRNA.	Mme-M300001736	ILMN_2622217	0	1
71960	Myh14	-0.455	-0.013	-0.114	0	0	0	0	0	0	NM_028021	myosin, heavy polypeptide 14 (Myh14), mRNA.	Mme-M300007397	ILMN_1217519	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
17882	Myh2	3.041	-0.184	-0.412	1	0	-1	1	0	-1	NM_001039545	myosin, heavy polypeptide 2, skeletal muscle, adult (Myh2), mRNA.	Mme-M200007574	ILMN_1219423	1	1
17883	Myh3	0.855	0.035	0.053	1	0	0	0	0	0	NM_001099635	myosin, heavy polypeptide 3, skeletal muscle, embryonic (Myh3), mRNA.	Mme-M400006302	ILMN_1227179	0	0
17884	Myh4	2.896	0.423	0.283	1	1	0	1	0	0	NM_010855	myosin, heavy polypeptide 4, skeletal muscle (Myh4), mRNA.	Mme-M300008631	ILMN_1241214	1	0
17888	Myh6	-0.006	0.103	-0.094	0	0	0	0	0	0	NM_010856	myosin, heavy polypeptide 6, cardiac muscle, alpha (Myh6), mRNA.	Mme-M300012836	ILMN_2640008	0	0
140781	Myh7	0.236	-0.023	-0.097	0	0	0	0	0	0	NM_080728	myosin, heavy polypeptide 7, cardiac muscle, beta (Myh7), mRNA.	Mme-M400004335	ILMN_2665239	0	0
17885	Myh8	0.609	0.483	-0.291	0	1	0	0	0	0	NM_177369	myosin, heavy polypeptide 8, skeletal muscle, perinatal (Myh8), mRNA.	Mme-M400005274	ILMN_1223735	0	0
17886	Myh9	-0.041	-0.019	0.066	0	0	0	0	0	0	NM_022410	myosin, heavy polypeptide 9, non-muscle (Myh9), transcript variant 1, mRNA.	Mme-M200002282	ILMN_2672626	0	0
17901	Myl1	2.999	-0.317	-0.776	1	0	-1	1	0	-1	NM_001113387	myosin, light polypeptide 1 (Myl1), transcript variant 3f, mRNA.	Mme-M200000366	ILMN_1216602	1	1
59310	Myl10	-0.290	0.041	0.058	0	0	0	0	0	0	NM_001085387	myosin light chain 2, precursor lymphocyte-specific (Mylc2pl), transcript variant 2, mRNA.	Mme-M300000678	ILMN_2732795	0	0
67938	Myl12b	0.083	0.213	-0.096	0	0	0	0	0	0	NM_023402	myosin light chain, regulatory B (Mylc2b), mRNA.	Mme-M200012692	ILMN_2673668	0	0
17906	Myl2	0.613	0.094	-0.022	0	0	0	0	0	0	NM_010861	myosin, light polypeptide 2, regulatory, cardiac, slow (Myl2), mRNA.	Mme-M200000622	ILMN_1260428	0	0
17897	Myl3	0.043	0.107	0.087	0	0	0	0	0	0	NM_010859	myosin, light polypeptide 3 (Myl3), mRNA.	Mme-M300000730	ILMN_2691780	0	0
17896	Myl4	0.000	0.108	-0.059	0	0	0	0	0	0	NM_010858	myosin, light polypeptide 4 (Myl4), mRNA.	Mme-M200000014	ILMN_2610744	0	0
17904	Myl6	0.020	0.105	-0.131	0	0	0	0	0	0	NM_010860	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle (Myl6), mRNA.	Mme-M400008108	ILMN_2775660	0	0
216459	Myl6b	0.259	0.192	-0.055	0	0	0	0	0	0	NM_172259	myosin, light polypeptide 6B (Myl6b), mRNA.	Mme-M300012394	ILMN_2737183	0	0
17898	Myl7	-0.087	-0.036	0.006	0	0	0	0	0	0	NM_022879	myosin, light polypeptide 7, regulatory (Myl7), mRNA.	Mme-M400000392	ILMN_2768252	0	0
218203	Mylip	-0.052	0.044	-0.124	0	0	0	0	0	0	NM_181043	myosin regulatory light chain interacting protein (Mylip), mRNA.	Mme-M400002101	ILMN_2590339	0	0
107589	Mylk	-0.371	-0.482	-0.053	0	-1	0	0	0	0	NM_139300	myosin, light polypeptide kinase (Mylk), mRNA.	Mme-M400000614	ILMN_1218347	0	0
228785	Mylk2	0.376	0.532	-0.307	0	1	-1	0	0	0	NM_001081044	myosin, light polypeptide kinase 2, skeletal muscle (Mylk2), mRNA.	Mme-M200013016	ILMN_2506245	0	0
213435	Mylk3	0.042	-0.030	0.162	0	0	0	0	0	0	NM_175441	myosin light chain kinase 3 (Mylk3), mRNA.	Mme-M400001400	ILMN_3141648	0	0
17907	Mylpf	3.062	0.240	-0.835	1	0	-1	1	0	-1	NM_016754	myosin light chain, phosphorylatable, fast skeletal muscle (Mylpf), mRNA.	Mme-M200003319	ILMN_2977331	1	1
80732	Mynn	-0.167	-0.039	-0.039	0	0	0	0	0	0	NM_030557	myoneurin (Mynn), mRNA.	Mme-M300011093	ILMN_2641013	0	0
17909	Myo10	-0.139	-0.062	0.080	0	0	0	0	0	0	NM_019472	myosin X (Myo10), mRNA.	Mme-M400006768	ILMN_2633678	0	0
17910	Myo15	-0.262	0.044	-0.055	0	0	0	0	0	0	NM_182698	myosin XV (Myo15), transcript variant 2, mRNA.	Mme-M200016050	ILMN_2707153	0	0
244281	Myo16	0.310	0.022	-0.011	0	0	0	0	0	0	NM_001081397	myosin XVI (Myo16), mRNA.	Mme-M400002221	ILMN_1251959	0	0
360013	Myo18a	-0.025	0.071	0.000	0	0	0	0	0	0	NM_011586	myosin XVIIIa (Myo18a), mRNA.	Mme-M300000095	ILMN_2724235	0	0
74376	Myo18b	0.609	0.113	-0.125	0	0	0	0	0	0	XM_990203	PREDICTED: myosin XVIIIb (Myo18b), mRNA.	Mme-M300020910	ILMN_2675785	0	0
432516	Myo1a	-0.144	-0.059	-0.083	0	0	0	0	0	0	NM_001081219	myosin IA (Myo1a), mRNA.	Mme-M300004620	ILMN_2478429	0	0
17912	Myo1b	0.230	0.122	0.141	0	0	0	0	0	0	NM_010863	myosin IB (Myo1b), mRNA.	Mme-M200001307	ILMN_2671235	0	0
17913	Myo1c	-0.166	0.072	0.086	0	0	0	0	0	0	NM_008659	myosin IC (Myo1c), transcript variant 3, mRNA.	Mme-M200005070	ILMN_2745367	0	0
338367	Myo1d	0.022	0.024	0.036	0	0	0	0	0	0	NM_177390	myosin ID (Myo1d), mRNA.	Mme-M300009924	ILMN_2645944	0	0
71602	Myo1e	-0.172	0.136	-0.050	0	0	0	0	0	0	NM_181072	myosin IE (Myo1e), mRNA.	Mme-M200008417	ILMN_2522127	0	0
17916	Myo1f	0.016	0.244	0.174	0	0	0	0	0	0	NM_053214	myosin IF (Myo1f), mRNA.	Mme-M300004053	ILMN_2731760	0	0
246177	Myo1g	-0.058	0.422	0.150	0	1	0	0	0	0	NM_178440	myosin IG (Myo1g), mRNA.	Mme-M300002191	ILMN_2810405	0	0
231646	Myo1h	0.069	0.030	0.016	0	0	0	0	0	0	XM_972888	PREDICTED: myosin 1H (Myo1h), mRNA.	Mme-M400010392	ILMN_1238581	0	0
667663	Myo3a	-0.114	-0.054	-0.003	0	0	0	0	0	0	NM_148413	myosin IIIA (Myo3a), mRNA.	Mme-M300004734	ILMN_2694204	0	0
329421	Myo3b	-0.357	-0.014	0.070	0	0	0	0	0	0	NM_177376	myosin IIIB (Myo3b), mRNA.	Mme-M300013482	ILMN_2681248	0	0
17918	Myo5a	-0.084	0.209	0.110	0	0	0	0	0	0	NM_010864	myosin Va (Myo5a), mRNA.	Mme-M200001416	ILMN_2602931	0	0
17919	Myo5b	0.076	0.208	-0.074	0	0	0	0	0	0	NM_201600	myosin Vb (Myo5b), mRNA.	Mme-M300004830	ILMN_2539489	0	0
208943	Myo5c	0.274	-0.327	-0.121	0	0	0	0	0	0	NM_001081322	myosin VC (Myo5c), mRNA.	Mme-M300008771	ILMN_2683244	0	0
17920	Myo6	-0.004	-0.260	0.102	0	0	0	0	0	0	NM_001039546	myosin VI (Myo6), mRNA.	Mme-M300008841	ILMN_2656854	0	0
17921	Myo7a	-0.248	0.120	-0.048	0	0	0	0	0	0	NM_008663	myosin VIIa (Myo7a), mRNA.	Mme-M300007419	ILMN_1251839	0	0
17922	Myo7b	-0.272	-0.044	-0.015	0	0	0	0	0	0	NM_032394	myosin VIIb (Myo7b), mRNA.	Mme-M300004101	ILMN_2626106	0	0
270163	Myo9a	-0.097	-0.157	0.202	0	0	0	0	0	0	XM_917816	PREDICTED: myosin IXa, transcript variant 2 (Myo9a), mRNA.	Mme-M300012247	ILMN_1240806	0	0
17925	Myo9b	-0.143	-0.080	-0.102	0	0	0	0	0	0	NM_015742	myosin IXb (Myo9b), mRNA.	Mme-M300000594	ILMN_2612484	0	0
17926	Myoc	0.101	0.396	-0.202	0	0	0	0	0	0	NM_010865	myocilin (Myoc), mRNA.	Mme-M200002963	ILMN_2932705	0	0
214384	Myocd	0.011	-0.148	0.112	0	0	0	0	0	0	NM_146386	myocardin (Myocd), transcript variant B, mRNA.	Mme-M300002238	ILMN_2435360	0	0
17927	Myod1	0.103	0.156	-0.032	0	0	0	0	0	0	NM_010866	myogenic differentiation 1 (Myod1), mRNA.	Mme-M200000620	ILMN_1233507	0	0
226101	Myof	0.267	0.080	0.064	0	0	0	0	0	0	NM_001099634	fer-1-like 3, myoferlin (C. elegans) (Fer1l3), mRNA.	Mme-M300019398	ILMN_1214768	0	0
17928	Myog	-0.225	0.099	-0.027	0	0	0	0	0	0	NM_031189	myogenin (Myog), mRNA.	Mme-M200003442	ILMN_2621812	0	0
17929	Myom1	1.362	0.257	-0.200	1	0	0	1	0	0	NM_001083934	myomesin 1 (Myom1), transcript variant 2, mRNA.	Mme-M400009054	ILMN_2815138	1	0
17930	Myom2	0.102	-0.249	-0.304	0	0	0	0	0	0	NM_008664	myomesin 2 (Myom2), mRNA.	Mme-M200002893	ILMN_1238982	0	0
242702	Myom3	0.324	0.310	-0.129	0	0	0	0	0	0	NM_001085509	myomesin family, member 3 (Myom3), mRNA.	Mme-M300010768	ILMN_2673358	0	0
58916	Myot	1.129	0.438	-0.192	1	1	0	1	0	0	NM_001033621	myotilin (Myot), mRNA.	Mme-M200009483	ILMN_2444217	1	0
59011	Myoz1	1.858	0.386	-0.419	1	0	-1	1	0	-1	NM_021508	myozenin 1 (Myoz1), mRNA.	Mme-M400011399	ILMN_2615250	1	1
59006	Myoz2	0.506	0.138	-0.061	0	0	0	0	0	0	NM_021503	myozenin 2 (Myoz2), mRNA.	Mme-M200009335	ILMN_1234857	0	0
170947	Myoz3	0.400	-0.106	-0.050	0	0	0	0	0	0	NM_133363	myozenin 3 (Myoz3), mRNA.	Mme-M300019931	ILMN_3011346	0	0
68802	Mypn	0.475	0.183	0.062	0	0	0	0	0	0	XM_483911	PREDICTED: myopalladin (Mypn), mRNA.	Mme-M300001978	ILMN_2694687	0	0
232934	Mypop	-0.113	0.116	-0.006	0	0	0	0	0	0	NM_145579	Myb protein P42POP (P42pop), mRNA.	Mme-M300019277	ILMN_1242595	0	0
225908	Myrf	-0.256	0.055	-0.072	0	0	0	0	0	0	XM_888586	PREDICTED: gene model 98, (NCBI), transcript variant 2 (Gm98), mRNA.	Mme-M400001875	ILMN_1248687	0	0
237558	Myrfl	-0.096	-0.033	0.119	0	0	0	0	0	0	NM_001033333	gene model 239, (NCBI) (Gm239), mRNA.	Mme-M400005097	ILMN_1251482	0	0
245049	Myrip	0.102	0.080	-0.087	0	0	0	0	0	0	NM_144557	myosin VIIA and Rab interacting protein (Myrip), mRNA.	Mme-M400002548	ILMN_2665441	0	0
320713	Mysm1	0.166	-0.205	0.645	0	0	1	0	0	1	NM_177239	myb-like, SWIRM and MPN domains 1 (Mysm1), mRNA.	Mme-M400018711	ILMN_3119954	1	0
17932	Myt1	-0.280	-0.029	-0.073	0	0	0	0	0	0	NM_008665	myelin transcription factor 1 (Myt1), mRNA.	Mme-M200004031	ILMN_2798973	0	0
17933	Myt1l	0.315	-0.211	-0.030	0	0	0	0	0	0	NM_001093776	myelin transcription factor 1-like (Myt1l), transcript variant 3, mRNA.	Mme-M300002322	ILMN_1221763	0	0
102371	Myzap	0.031	-0.173	-0.076	0	0	0	0	0	0	NM_001033208	expressed sequence AA407270 (AA407270), mRNA.	Mme-M400002496	ILMN_2533447	0	0
69816	Mzb1	-0.171	0.133	-0.029	0	0	0	0	0	0	NM_027222	RIKEN cDNA 2010001M09 gene (2010001M09Rik), mRNA.	Mme-M200005480	ILMN_2613601	0	0
109889	Mzf1	0.098	0.132	-0.077	0	0	0	0	0	0	NM_145819	myeloid zinc finger 1 (Mzf1), mRNA.	Mme-M300007178	ILMN_1229661	0	0
76789	Mzt1	0.050	-0.095	-0.142	0	0	0	0	0	0	NM_175245	RIKEN cDNA 2410129H14 gene (2410129H14Rik), mRNA.	Mme-M300008627	ILMN_2617381	0	0
72083	Mzt2	0.144	-0.122	-0.081	0	0	0	0	0	0	NM_029354	RIKEN cDNA 2410018G20 gene (2410018G20Rik), mRNA.	Mme-M300003446	ILMN_2726772	0	0
230085	N28178	-0.268	-0.012	0.073	0	0	0	0	0	0	NM_172690	expressed sequence N28178 (N28178), mRNA.	Mme-M300010224	ILMN_1251756	0	0
80750	N4bp1	0.115	0.028	-0.124	0	0	0	0	0	0	XM_894155	PREDICTED: cDNA sequence BC004022, transcript variant 1 (BC004022), mRNA.	Mme-M400007055	ILMN_2621901	0	0
333789	N4bp2	0.170	-0.131	0.075	0	0	0	0	0	0	NM_001024917	NEDD4 binding protein 2 (N4bp2), mRNA.	Mme-M300011126	ILMN_2576381	0	0
100637	N4bp2l1	-0.009	-0.044	-0.032	0	0	0	0	0	0	NM_133898	NEDD4 binding protein 2-like 1 (N4bp2l1), mRNA.	Mme-M200004527	ILMN_1224250	0	0
381695	N4bp2l2	0.288	-0.073	0.042	0	0	0	0	0	0	NM_201369	NEDD4 binding protein 2-like 2 (N4bp2l2), mRNA.	Mme-M400015046	ILMN_1229984	0	0
212706	N4bp3	0.239	-0.026	-0.010	0	0	0	0	0	0	NM_145974	RIKEN cDNA C330016O10 gene (C330016O10Rik), mRNA.	Mme-M200013735	ILMN_2685222	0	0
67768	N6amt1	0.096	-0.213	-0.061	0	0	0	0	0	0	NM_026366	N-6 adenine-specific DNA methyltransferase 1 (putative) (N6amt1), mRNA.	Mme-M300015460	ILMN_2845391	0	0
68043	N6amt2	0.385	0.044	-0.115	0	0	0	0	0	0	NM_026526	N-6 adenine-specific DNA methyltransferase 2 (putative) (N6amt2), mRNA.	Mme-M200014217	ILMN_1235697	0	0
56292	Naa10	0.117	0.121	-0.167	0	0	0	0	0	0	NM_019870	N-acetyltransferase ARD1 homolog (S. cerevisiae) (Ard1), mRNA.	Mme-M200002280	ILMN_2744280	0	0
97243	Naa11	-0.210	0.020	0.046	0	0	0	0	0	0	NM_001033191	ARD1 homolog B (S. cerevisiae) (Ard1b), mRNA.	Mme-M400003099	ILMN_2944168	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
74838	Naa15	0.108	-0.075	0.114	0	0	0	0	0	0	NM_053089	NMDA receptor-regulated gene 1 (Narg1), mRNA.	Mme-M200005912	ILMN_2848090	0	0
66897	Naa16	-0.088	-0.148	-0.072	0	0	0	0	0	0	NM_025832	NMDA receptor regulated 1-like (Narg1l), mRNA.	Mme-M200004889	ILMN_2956741	0	0
67877	Naa20	0.201	0.061	-0.102	0	0	0	0	0	0	NM_026425	N-acetyltransferase 5 (ARD1 homolog, S. cerevisiae) (Nat5), mRNA.	Mme-M300000332	ILMN_1223543	0	0
231713	Naa25	0.181	-0.264	0.300	0	0	0	0	0	0	NM_172722	RIKEN cDNA C330023M02 gene (C330023M02Rik), mRNA.	Mme-M300013849	ILMN_1228917	0	0
70646	Naa30	-0.193	-0.218	0.058	0	0	0	0	0	0	NM_001081430	N-acetyltransferase 12 (Nat12), mRNA.	Mme-M300010307	ILMN_2623754	0	0
78689	Naa35	0.113	-0.097	0.019	0	0	0	0	0	0	NM_030153	MAK10 homolog, amino-acid N-acetyltransferase subunit, (S. cerevisiae) (Mak10), mRNA.	Mme-M400011697	ILMN_2828599	0	0
78304	Naa38	0.434	-0.054	-0.066	0	0	0	0	0	0	NM_030083	LSM domain containing 1 (Lsmd1), mRNA.	Mme-M200014304	ILMN_1213334	0	0
70999	Naa40	0.232	-0.060	0.082	0	0	0	0	0	0	XM_922382	PREDICTED: N-acetyltransferase 11, transcript variant 15 (Nat11), mRNA.	Mme-M200013007	ILMN_2451795	0	0
72117	Naa50	0.343	-0.068	0.027	0	0	0	0	0	0	NM_028108	N-acetyltransferase 13 (Nat13), mRNA.	Mme-M400012855	ILMN_2714290	0	0
74763	Naa60	-0.028	0.082	0.127	0	0	0	0	0	0	NM_029090	RIKEN cDNA 1200013P24 gene (1200013P24Rik), mRNA.	Mme-M300000742	ILMN_1245322	0	0
67111	Naaa	0.159	0.026	-0.018	0	0	0	0	0	0	NM_025972	-acylethanolamine acid amidase (Naaa), mRNA.	Mme-M200006214	ILMN_2632362	0	0
72560	Naalad2	-0.253	0.026	-0.025	0	0	0	0	0	0	NM_028279	N-acetylated alpha-linked acidic dipeptidase 2 (Naalad2), mRNA.	Mme-M300014997	ILMN_1245593	0	0
381204	Naaladl1	-0.046	-0.067	0.129	0	0	0	0	0	0	NM_001009546	N-acetylated alpha-linked acidic dipeptidase-like 1 (Naaladl1), mRNA.	Mme-M400005010	ILMN_2531527	0	0
635702	Naaladl2	0.000	-0.154	-0.097	0	0	0	0	0	0	XM_910834	PREDICTED: predicted gene, EG635702 (EG635702), mRNA.	Mme-M400008230	ILMN_1249332	0	0
17936	Nab1	0.165	-0.138	0.094	0	0	0	0	0	0	NM_008667	Ngfi-A binding protein 1 (Nab1), mRNA.	Mme-M200005222	ILMN_2657093	0	0
69917	Nabp2	0.178	0.322	-0.139	0	0	0	0	0	0	NM_027257	oligonucleotide/oligosaccharide-binding fold containing 2B (Obfc2b), mRNA.	Mme-M200014561	ILMN_2593852	0	0
17938	Naca	0.098	-0.173	0.089	0	0	0	0	0	0	NM_013608	nascent polypeptide-associated complex alpha polypeptide (Naca), transcript variant 2, mRNA.	Mme-M300012512	ILMN_2955104	0	0
192950	Nacad	-0.280	-0.189	-0.022	0	0	0	0	0	0	NM_001081652	cDNA sequence AB182283 (AB182283), mRNA.	Mme-M300013012	ILMN_2891085	0	0
66830	Nacc1	-0.229	0.192	-0.056	0	0	0	0	0	0	NM_025788	BTB (POZ) domain containing 14B (Btbd14b), mRNA.	Mme-M200007514	ILMN_1257864	0	0
67991	Nacc2	-0.240	-0.213	-0.136	0	0	0	0	0	0	NM_026495	BTB (POZ) domain containing 14A (Btbd14a), transcript variant 1, mRNA.	Mme-M200014337	ILMN_2597978	0	0
192185	Nadk	0.148	0.195	0.093	0	0	0	0	0	0	NM_138671	NAD kinase (Nadk), mRNA.	Mme-M200005956	ILMN_2771225	0	0
68646	Nadk2	0.006	0.051	-0.008	0	0	0	0	0	0	NM_001040395	RIKEN cDNA 1110020G09 gene (1110020G09Rik), transcript variant 2, mRNA.	Mme-M400000555	ILMN_1237830	0	0
78914	Nadsyn1	0.134	0.075	-0.043	0	0	0	0	0	0	NM_030221	NAD synthetase 1 (Nadsyn1), mRNA.	Mme-M200007712	ILMN_2853739	0	0
234664	Nae1	0.230	-0.053	0.143	0	0	0	0	0	0	NM_144931	NEDD8 activating enzyme E1 subunit 1 (Nae1), mRNA.	Mme-M200004117	ILMN_2955362	0	0
234344	Naf1	0.205	-0.036	0.011	0	0	0	0	0	0	XR_032374	PREDICTED: cDNA sequence BC053440 (BC053440), misc RNA.	Mme-M300001345	ILMN_2699013	0	0
17939	Naga	0.095	0.018	-0.030	0	0	0	0	0	0	NM_008669	N-acetyl galactosaminidase, alpha (Naga), mRNA.	Mme-M200003867	ILMN_1248289	0	0
56174	Nagk	0.016	-0.065	-0.194	0	0	0	0	0	0	NM_019542	N-acetylglucosamine kinase (Nagk), mRNA.	Mme-M200006647	ILMN_2652172	0	0
27419	Naglu	0.289	-0.138	0.179	0	0	0	0	0	0	NM_013792	alpha-N-acetylglucosaminidase (Sanfilippo disease IIIB) (Naglu), mRNA.	Mme-M200002292	ILMN_2721503	0	0
27426	Nagpa	0.252	-0.067	-0.055	0	0	0	0	0	0	NM_013796	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase (Nagpa), mRNA.	Mme-M300003680	ILMN_2654635	0	0
217214	Nags	-0.218	0.024	0.051	0	0	0	0	0	0	NM_178053	N-acetylglutamate synthase (Nags), transcript variant 2, mRNA.	Mme-M300019033	ILMN_2631534	0	0
71254	Naif1	-0.271	0.065	0.087	0	0	0	0	0	0	NM_194335	nuclear apoptosis inducing factor 1 (Naif1), mRNA.	Mme-M300011996	ILMN_1248425	0	0
17940	Naip1	-0.263	0.017	0.061	0	0	0	0	0	0	NM_008670	NLR family, apoptosis inhibitory protein 1 (Naip1), mRNA.	Mme-M200002450	ILMN_2684636	0	0
17951	Naip5	0.168	0.214	-0.094	0	0	0	0	0	0	NM_010870	NLR family, apoptosis inhibitory protein 5 (Naip5), mRNA.	Mme-M300019200	ILMN_3136894	0	0
17952	Naip6	-0.243	-0.029	0.074	0	0	0	0	0	0	NM_010871	baculoviral IAP repeat-containing 1f (Birc1f), mRNA.	Mme-M400011078	ILMN_1257705	0	0
338370	Nalcn	0.165	-0.042	-0.064	0	0	0	0	0	0	NM_177393	sodium leak channel, non-selective (Nalcn), mRNA.	Mme-M300000037	ILMN_1234979	0	0
59027	Nampt	0.709	0.089	0.041	1	0	0	0	0	0	NM_021524	nicotinamide phosphoribosyltransferase (Nampt), mRNA.	Mme-M200006184	ILMN_2821850	0	0
332397	Nanos1	0.093	-0.118	0.082	0	0	0	0	0	0	NM_178421	nanos homolog 1 (Drosophila) (Nanos1), mRNA.	Mme-M400017854	ILMN_2701355	0	0
378430	Nanos2	-0.107	0.015	-0.079	0	0	0	0	0	0	NM_194064	nanos homolog 2 (Drosophila) (Nanos2), mRNA.	Mme-M400003950	ILMN_2637484	0	0
244551	Nanos3	-0.060	0.008	0.004	0	0	0	0	0	0	NM_194059	nanos homolog 3 (Drosophila) (Nanos3), mRNA.	Mme-M400005418	ILMN_2720493	0	0
67311	Nanp	0.359	-0.021	-0.043	0	0	0	0	0	0	NM_026086	N-acetylneuraminic acid phosphatase (Nanp), mRNA.	Mme-M300008550	ILMN_2629922	0	0
94181	Nans	0.183	0.103	-0.040	0	0	0	0	0	0	NM_053179	N-acetylneuraminic acid synthase (sialic acid synthase) (Nans), mRNA.	Mme-M200004307	ILMN_1245757	0	0
53605	Nap1l1	0.106	-0.057	0.052	0	0	0	0	0	0	NM_015781	nucleosome assembly protein 1-like 1 (Nap1l1), mRNA.	Mme-M400011243	ILMN_1241857	0	0
17954	Nap1l2	0.068	-0.066	0.031	0	0	0	0	0	0	NM_008671	nucleosome assembly protein 1-like 2 (Nap1l2), mRNA.	Mme-M400010851	ILMN_2689955	0	0
54561	Nap1l3	-0.033	-0.095	0.059	0	0	0	0	0	0	NM_138742	nucleosome assembly protein 1-like 3 (Nap1l3), mRNA.	Mme-M200015303	ILMN_1217839	0	0
17955	Nap1l4	-0.142	0.022	-0.074	0	0	0	0	0	0	NM_008672	nucleosome assembly protein 1-like 4 (Nap1l4), mRNA.	Mme-M300001114	ILMN_2769696	0	0
58243	Nap1l5	-0.036	0.052	0.249	0	0	0	0	0	0	NM_021432	nucleosome assembly protein 1-like 5 (Nap1l5), mRNA.	Mme-M400005173	ILMN_2608073	0	0
108124	Napa	-0.046	0.435	0.115	0	1	0	0	0	0	NM_025898	N-ethylmaleimide sensitive fusion protein attachment protein alpha (Napa), mRNA.	Mme-M200008669	ILMN_1216812	0	0
17957	Napb	0.057	0.075	0.112	0	0	0	0	0	0	NM_019632	N-ethylmaleimide sensitive fusion protein attachment protein beta (Napb), mRNA.	Mme-M300005645	ILMN_2782402	0	0
242864	Napepld	-0.044	-0.276	-0.276	0	0	0	0	0	0	NM_178728	N-acyl phosphatidylethanolamine phospholipase D (Napepld), mRNA.	Mme-M300015951	ILMN_2618526	0	0
108123	Napg	0.055	0.104	-0.127	0	0	0	0	0	0	NM_028017	N-ethylmaleimide sensitive fusion protein attachment protein gamma (Napg), mRNA.	Mme-M300004218	ILMN_2677980	0	0
223646	Naprt	0.086	-0.208	0.057	0	0	0	0	0	0	NM_172607	nicotinate phosphoribosyltransferase domain containing 1 (Naprt1), mRNA.	Mme-M300003388	ILMN_2799590	0	0
16541	Napsa	-0.218	0.517	0.210	0	1	0	0	0	0	NM_008437	napsin A aspartic peptidase (Napsa), mRNA.	Mme-M200002799	ILMN_2781030	0	0
67608	Narf	0.008	-0.171	-0.064	0	0	0	0	0	0	NM_026272	nuclear prelamin A recognition factor (Narf), mRNA.	Mme-M200007939	ILMN_1244845	0	0
67563	Narfl	0.231	-0.202	-0.124	0	0	0	0	0	0	NM_026238	nuclear prelamin A recognition factor-like (Narfl), mRNA.	Mme-M200004824	ILMN_2660391	0	0
70223	Nars	0.152	0.171	0.157	0	0	0	0	0	0	NM_027350	asparaginyl-tRNA synthetase (Nars), mRNA.	Mme-M200006373	ILMN_1227163	0	0
244141	Nars2	0.003	-0.161	-0.032	0	0	0	0	0	0	NM_153591	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative) (Nars2), nuclear gene encoding mitochondrial protein,	Mme-M300001758	ILMN_1241088	0	0
50927	Nasp	0.377	0.142	0.110	0	0	0	0	0	0	NM_001081475	nuclear autoantigenic sperm protein (histone-binding) (Nasp), transcript variant 1, mRNA.	Mme-M300006234	ILMN_1251930	0	0
17960	Nat1	-0.076	0.013	0.019	0	0	0	0	0	0	NM_008673	N-acetyltransferase 1 (arylamine N-acetyltransferase) (Nat1), mRNA.	Mme-M300004708	ILMN_2879329	0	0
98956	Nat10	0.070	0.130	0.015	0	0	0	0	0	0	NM_153126	N-acetyltransferase 10 (Nat10), mRNA.	Mme-M300005500	ILMN_1233363	0	0
269854	Nat14	0.073	0.194	-0.031	0	0	0	0	0	0	NM_201355	N-acetyltransferase 14 (Nat14), mRNA.	Mme-M300009839	ILMN_1215981	0	0
17961	Nat2	-0.154	-0.063	0.146	0	0	0	0	0	0	NM_010874	N-acetyltransferase 2 (arylamine N-acetyltransferase) (Nat2), mRNA.	Mme-M200016216	ILMN_2994380	0	0
17962	Nat3	0.098	0.039	0.043	0	0	0	0	0	0	NM_008674	N-acetyltransferase 3 (Nat3), mRNA.	Mme-M200014960	ILMN_2668398	0	0
56441	Nat6	0.016	0.079	-0.100	0	0	0	0	0	0	NM_019750	N-acetyltransferase 6 (Nat6), mRNA.	Mme-M200006410	ILMN_2905859	0	0
68396	Nat8	-0.141	-0.094	0.092	0	0	0	0	0	0	NM_023455	camello-like 4 (Caml4), mRNA.	Mme-M200009795	ILMN_1216539	0	0
269642	Nat8l	-0.067	0.073	-0.090	0	0	0	0	0	0	NM_001001985	N-acetyltransferase 8-like (Nat8l), mRNA.	Mme-M400013010	ILMN_2502275	0	0
66176	Nat9	0.191	0.078	-0.116	0	0	0	0	0	0	NM_025400	NAT9 (Nat9), mRNA.	Mme-M400008799	ILMN_2599145	0	0
24083	Natd1	0.264	-0.071	0.076	0	0	0	0	0	0	NM_025294	gene trap locus F3b (Gtlf3b), mRNA.	Mme-M200004508	ILMN_2594049	0	0
215690	Nav1	-0.118	-0.067	-0.106	0	0	0	0	0	0	NM_173437	neuron navigator 1 (Nav1), mRNA.	Mme-M300001042	ILMN_2883016	0	0
78286	Nav2	0.234	0.042	-0.044	0	0	0	0	0	0	NM_001111016	neuron navigator 2 (Nav2), transcript variant 2, mRNA.	Mme-M400001283	ILMN_2712053	0	0
260315	Nav3	0.108	-0.111	0.017	0	0	0	0	0	0	NM_001081035	neuron navigator 3 (Nav3), mRNA.	Mme-M300002051	ILMN_3028518	0	0
26422	Nbea	0.405	-0.227	-0.153	0	0	0	0	0	0	NM_030595	neurobeachin (Nbea), mRNA.	Mme-M200005188	ILMN_2520326	0	0
269198	Nbeal1	-0.103	-0.051	0.071	0	0	0	0	0	0	NM_173444	neurobeachin like 1 (Nbeal1), mRNA.	Mme-M300012979	ILMN_1237873	0	0
235627	Nbeal2	-0.126	0.171	0.030	0	0	0	0	0	0	XM_150243	PREDICTED: cDNA sequence BC042396 (BC042396), mRNA.	Mme-M400005608	ILMN_2639934	0	0
17965	Nbl1	-0.051	-0.455	0.119	0	-1	0	0	0	0	NM_008675	neuroblastoma, suppression of tumorigenicity 1 (Nbl1), mRNA.	Mme-M200002791	ILMN_2886618	0	0
27354	Nbn	-0.050	-0.032	-0.043	0	0	0	0	0	0	NM_013752	nibrin (Nbn), mRNA.	Mme-M400001070	ILMN_1240392	0	0
17966	Nbr1	-0.394	-0.035	-0.146	0	0	0	0	0	0	NM_008676	neighbor of Brca1 gene 1 (Nbr1), mRNA.	Mme-M300001550	ILMN_1220889	0	0
52589	Ncald	0.133	0.062	-0.066	0	0	0	0	0	0	NM_134094	neurocalcin delta (Ncald), mRNA.	Mme-M200009189	ILMN_2652414	0	0
17967	Ncam1	-0.099	0.134	0.057	0	0	0	0	0	0	NM_010875	neural cell adhesion molecule 1 (Ncam1), transcript variant 2, mRNA.	Mme-M300012230	ILMN_2722864	0	0
17968	Ncam2	0.029	-0.032	0.495	0	0	1	0	0	1	NM_010954	neural cell adhesion molecule 2 (Ncam2), transcript variant 2, mRNA.	Mme-M300003487	ILMN_2737666	1	0
13004	Ncan	0.092	0.372	0.081	0	0	0	0	0	0	NM_007789	neurocan (Ncan), mRNA.	Mme-M300000301	ILMN_1220260	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68298	Ncapd2	-0.211	-0.081	0.134	0	0	0	0	0	0	NM_146171	non-SMC condensin I complex, subunit D2 (Ncapd2), mRNA.	Mme-M300011445	ILMN_2625746	0	0
78658	Ncapd3	-0.379	-0.074	-0.036	0	0	0	0	0	0	NM_178113	non-SMC condensin II complex, subunit D3 (Ncapd3), mRNA.	Mme-M300009489	ILMN_2701851	0	0
54392	Ncapg	0.172	-0.050	0.129	0	0	0	0	0	0	NM_019438	on-SMC condensin I complex, subunit G (Ncapg), mRNA.	Mme-M300001469	ILMN_1227448	0	0
76044	Ncapg2	-0.204	0.067	0.121	0	0	0	0	0	0	NM_133762	non-SMC condensin II complex, subunit G2 (Ncapg2), mRNA.	Mme-M300013466	ILMN_2677595	0	0
215387	Ncaph	0.040	0.289	0.075	0	0	0	0	0	0	NM_144818	non-SMC condensin I complex, subunit H (Ncaph), mRNA.	Mme-M200006653	ILMN_1213191	0	0
52683	Ncaph2	0.130	0.067	-0.145	0	0	0	0	0	0	NM_025795	non-SMC condensin II complex, subunit H2 (Ncaph2), transcript variant 2, mRNA.	Mme-M200009432	ILMN_3009334	0	0
433702	Ncbp1	0.077	0.066	-0.030	0	0	0	0	0	0	NM_001033201	expressed sequence AU014645 (AU014645), mRNA.	Mme-M300006048	ILMN_3162184	0	0
68092	Ncbp2	-0.042	-0.206	-0.211	0	0	0	0	0	0	NM_026554	nuclear cap binding protein subunit 2 (Ncbp2), mRNA.	Mme-M200006254	ILMN_2788260	0	0
233038	Nccrp1	-0.192	0.083	0.055	0	0	0	0	0	0	NM_001081115	RIKEN cDNA 1190020J12 gene (1190020J12Rik), mRNA.	Mme-M300018429	ILMN_1217003	0	0
26562	Ncdn	-0.195	0.412	-0.122	0	0	0	0	0	0	NM_011986	neurochondrin (Ncdn), mRNA.	Mme-M200013083	ILMN_2864497	0	0
320024	Nceh1	-0.092	0.052	0.075	0	0	0	0	0	0	NM_178772	arylacetamide deacetylase-like 1 (Aadacl1), mRNA.	Mme-M300005760	ILMN_2949021	0	0
17969	Ncf1	0.103	0.231	0.090	0	0	0	0	0	0	NM_010876	neutrophil cytosolic factor 1 (Ncf1), mRNA.	Mme-M400000244	ILMN_2829457	0	0
17970	Ncf2	-0.082	0.076	-0.016	0	0	0	0	0	0	NM_010877	neutrophil cytosolic factor 2 (Ncf2), mRNA.	Mme-M200002983	ILMN_2751129	0	0
17972	Ncf4	0.198	0.535	0.322	0	1	1	0	0	0	NM_008677	neutrophil cytosolic factor 4 (Ncf4), mRNA.	Mme-M300008736	ILMN_2743013	0	0
17973	Nck1	0.109	0.080	0.053	0	0	0	0	0	0	NM_010878	non-catalytic region of tyrosine kinase adaptor protein 1 (Nck1), mRNA.	Mme-M300008271	ILMN_2917618	0	0
17974	Nck2	0.117	-0.072	0.072	0	0	0	0	0	0	NM_010879	non-catalytic region of tyrosine kinase adaptor protein 2 (Nck2), mRNA.	Mme-M300004917	ILMN_2596917	0	0
50884	Nckap1	0.226	-0.206	0.088	0	0	0	0	0	0	NM_016965	NCK-associated protein 1 (Nckap1), mRNA.	Mme-M300005431	ILMN_1220664	0	0
105855	Nckap1l	0.148	0.371	0.266	0	0	0	0	0	0	NM_153505	NCK associated protein 1 like (Nckap1l), mRNA.	Mme-M200007004	ILMN_1253813	0	0
210356	Nckap5	0.148	0.082	-0.043	0	0	0	0	0	0	NM_172484	RIKEN cDNA E030049G20 gene (E030049G20Rik), transcript variant 2, mRNA.	Mme-M400015446	ILMN_2721512	0	0
380969	Nckap5l	-0.075	0.151	0.135	0	0	0	0	0	0	NM_001001884	Riken cDNA C230021P08 gene (C230021P08Rik), mRNA.	Mme-M300003626	ILMN_3152389	0	0
80987	Nckipsd	-0.009	0.196	0.210	0	0	0	0	0	0	NM_030729	NCK interacting protein with SH3 domain (Nckipsd), mRNA.	Mme-M300008340	ILMN_2619380	0	0
17975	Ncl	-0.294	-0.205	0.084	0	0	0	0	0	0	NM_010880	nucleolin (Ncl), mRNA.	Mme-M400019182	ILMN_2693976	0	0
230822	Ncmap	0.000	-0.143	-0.083	0	0	0	0	0	0	NM_145555	RIKEN cDNA A330049M08 gene (A330049M08Rik), mRNA.	Mme-M200007765	ILMN_1220612	0	0
17977	Ncoa1	0.166	-0.131	-0.057	0	0	0	0	0	0	NM_010881	nuclear receptor coactivator 1 (Ncoa1), mRNA.	Mme-M300002302	ILMN_2719784	0	0
17978	Ncoa2	0.008	0.060	-0.035	0	0	0	0	0	0	NM_001077695	nuclear receptor coactivator 2 (Ncoa2), transcript variant 2, mRNA.	Mme-M400000113	ILMN_1259910	0	0
17979	Ncoa3	0.220	-0.037	-0.048	0	0	0	0	0	0	NM_008679	nuclear receptor coactivator 3 (Ncoa3), mRNA.	Mme-M400013275	ILMN_1234624	0	0
27057	Ncoa4	0.097	0.053	0.083	0	0	0	0	0	0	NM_019744	nuclear receptor coactivator 4 (Ncoa4), transcript variant 1, mRNA.	Mme-M200005915	ILMN_1259989	0	0
228869	Ncoa5	0.114	-0.068	0.020	0	0	0	0	0	0	NM_144892	nuclear receptor coactivator 5 (Ncoa5), mRNA.	Mme-M200001179	ILMN_2794460	0	0
56406	Ncoa6	-0.078	0.116	-0.075	0	0	0	0	0	0	NM_019825	nuclear receptor coactivator 6 (Ncoa6), mRNA.	Mme-M200005619	ILMN_2749937	0	0
211329	Ncoa7	0.017	-0.020	-0.035	0	0	0	0	0	0	NM_001111267	nuclear receptor coactivator 7 (Ncoa7), transcript variant 2, mRNA.	Mme-M400008705	ILMN_2747528	0	0
20185	Ncor1	-0.072	0.082	0.276	0	0	0	0	0	0	NM_011308	nuclear receptor co-repressor 1 (Ncor1), mRNA.	Mme-M300017976	ILMN_2599997	0	0
17086	Ncr1	-0.026	0.129	0.074	0	0	0	0	0	0	NM_010746	natural cytotoxicity triggering receptor 1 (Ncr1), mRNA.	Mme-M300000834	ILMN_2747294	0	0
14299	Ncs1	-0.212	-0.003	-0.136	0	0	0	0	0	0	NM_019681	frequenin homolog (Drosophila) (Freq), mRNA.	Mme-M200013519	ILMN_1244929	0	0
59287	Ncstn	0.266	0.058	-0.065	0	0	0	0	0	0	NM_021607	nicastrin (Ncstn), mRNA.	Mme-M300000428	ILMN_2914416	0	0
72787	Ndc1	0.074	-0.253	0.048	0	0	0	0	0	0	NM_028355	transmembrane protein 48 (Tmem48), mRNA.	Mme-M200006023	ILMN_1231705	0	0
67052	Ndc80	0.020	0.169	0.147	0	0	0	0	0	0	NM_023294	NDC80 homolog, kinetochore complex component (S. cerevisiae) (Ndc80), mRNA.	Mme-M200007139	ILMN_2816754	0	0
67203	Nde1	0.173	0.180	0.075	0	0	0	0	0	0	NM_023317	nuclear distribution gene E homolog 1 (A nidulans) (Nde1), transcript variant a, mRNA.	Mme-M200004789	ILMN_2690077	0	0
83431	Ndel1	0.137	0.014	-0.072	0	0	0	0	0	0	NM_023668	nuclear distribution gene E-like homolog 1 (A. nidulans) (Ndel1), mRNA.	Mme-M300001722	ILMN_2639296	0	0
65113	Ndfip1	0.015	-0.093	-0.103	0	0	0	0	0	0	NM_022996	Nedd4 family interacting protein 1 (Ndfip1), mRNA.	Mme-M300004119	ILMN_2912872	0	0
76273	Ndfip2	-0.267	-0.198	0.183	0	0	0	0	0	0	NM_029561	Nedd4 family interacting protein 2 (Ndfip2), mRNA.	Mme-M400004403	ILMN_1247636	0	0
17984	Ndn	-0.061	0.008	0.025	0	0	0	0	0	0	NM_010882	necdin (Ndn), mRNA.	Mme-M300008847	ILMN_2622374	0	0
68169	Ndnf	-0.266	-0.035	0.118	0	0	0	0	0	0	NM_172399	RIKEN cDNA A930038C07 gene (A930038C07Rik), mRNA.	Mme-M200014733	ILMN_1251736	0	0
78797	Ndor1	-0.102	0.091	0.041	0	0	0	0	0	0	NM_001082476	NADPH dependent diflavin oxidoreductase 1 (Ndor1), mRNA.	Mme-M200008242	ILMN_1226703	0	0
17986	Ndp	-0.138	-0.062	0.027	0	0	0	0	0	0	NM_010883	Norrie disease homolog (Ndph), mRNA.	Mme-M400002339	ILMN_1255523	0	0
17988	Ndrg1	-0.315	0.218	0.204	0	0	0	0	0	0	NM_008681	N-myc downstream regulated gene 1 (Ndrg1), mRNA.	Mme-M300000638	ILMN_1250195	0	0
29811	Ndrg2	0.309	0.238	0.012	0	0	0	0	0	0	NM_013864	N-myc downstream regulated gene 2 (Ndrg2), mRNA.	Mme-M200005333	ILMN_3001650	0	0
29812	Ndrg3	0.338	0.149	-0.052	0	0	0	0	0	0	NM_013865	N-myc downstream regulated gene 3 (Ndrg3), mRNA.	Mme-M200007893	ILMN_2740628	0	0
234593	Ndrg4	-0.120	-0.089	0.112	0	0	0	0	0	0	NM_145602	N-myc downstream regulated gene 4 (Ndrg4), mRNA.	Mme-M300010439	ILMN_2751854	0	0
15531	Ndst1	0.077	-0.177	-0.222	0	0	0	0	0	0	NM_008306	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 (Ndst1), mRNA.	Mme-M300004231	ILMN_2832641	0	0
17423	Ndst2	0.141	0.045	0.051	0	0	0	0	0	0	NM_010811	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2 (Ndst2), mRNA.	Mme-M200001584	ILMN_2751587	0	0
83398	Ndst3	-0.290	0.054	0.058	0	0	0	0	0	0	NM_031186	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 (Ndst3), mRNA.	Mme-M300005880	ILMN_1258457	0	0
64580	Ndst4	-0.268	-0.092	0.024	0	0	0	0	0	0	NM_022565	N-deacetylase/N-sulfotransferase (heparin glucosaminyl) 4 (Ndst4), mRNA.	Mme-M200008480	ILMN_1236884	0	0
54405	Ndufa1	0.161	0.075	0.011	0	0	0	0	0	0	NM_019443	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1 (Ndufa1), nuclear gene encoding mitochondrial prote	Mme-M200007675	ILMN_1251370	0	0
67273	Ndufa10	0.147	-0.142	-0.047	0	0	0	0	0	0	NM_024197	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 10 (Ndufa10), nuclear gene encoding mitochondrial pro	Mme-M200005930	ILMN_2657946	0	0
69875	Ndufa11	0.237	0.105	-0.267	0	0	0	0	0	0	XM_895878	PREDICTED: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 11, transcript variant 3 (Ndufa11), mRNA.	Mme-M200005413	ILMN_1246927	0	0
66414	Ndufa12	0.166	-0.012	0.073	0	0	0	0	0	0	NM_025551	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 (Ndufa12), mRNA.	Mme-M200005740	ILMN_1220362	0	0
67184	Ndufa13	-0.057	-0.033	0.007	0	0	0	0	0	0	NM_023312	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 (Ndufa13), mRNA.	Mme-M300010279	ILMN_2649937	0	0
17991	Ndufa2	0.093	0.095	-0.092	0	0	0	0	0	0	NM_010885	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (Ndufa2), mRNA.	Mme-M300001272	ILMN_2588601	0	0
66091	Ndufa3	0.103	0.214	-0.145	0	0	0	0	0	0	NM_025348	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 (Ndufa3), mRNA.	Mme-M300010040	ILMN_2772241	0	0
17992	Ndufa4	0.212	0.059	0.044	0	0	0	0	0	0	NM_010886	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (Ndufa4), nuclear gene encoding mitochondrial prote	Mme-M200013792	ILMN_2666061	0	0
68202	Ndufa5	0.112	0.204	-0.148	0	0	0	0	0	0	NM_026614	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (Ndufa5), nuclear gene encoding mitochondrial prote	Mme-M200005651	ILMN_1216007	0	0
67130	Ndufa6	0.083	-0.032	0.042	0	0	0	0	0	0	NM_025987	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6 (B14) (Ndufa6), nuclear gene encoding mitochondrial	Mme-M200005606	ILMN_2898406	0	0
66416	Ndufa7	-0.025	0.083	-0.257	0	0	0	0	0	0	NM_023202	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7 (B14.5a) (Ndufa7), mRNA.	Mme-M300013409	ILMN_2629044	0	0
68375	Ndufa8	0.226	0.093	-0.088	0	0	0	0	0	0	NM_026703	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8 (Ndufa8), nuclear gene encoding mitochondrial prote	Mme-M200003777	ILMN_2682019	0	0
66108	Ndufa9	0.267	0.269	0.003	0	0	0	0	0	0	NM_025358	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9 (Ndufa9), mRNA.	Mme-M200006740	ILMN_2657694	0	0
70316	Ndufab1	-0.075	-0.188	-0.067	0	0	0	0	0	0	NM_028177	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1 (Ndufab1), mRNA.	Mme-M400011631	ILMN_1246069	0	0
69702	Ndufaf1	0.122	0.068	0.125	0	0	0	0	0	0	NM_027175	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 1 (Ndufaf1), mRNA.	Mme-M200002259	ILMN_1248304	0	0
68493	Ndufaf4	0.207	-0.122	0.098	0	0	0	0	0	0	NM_026742	RIKEN cDNA 1110007M04 gene (1110007M04Rik), mRNA.	Mme-M300006021	ILMN_2734060	0	0
69487	Ndufaf5	-0.035	0.067	0.054	0	0	0	0	0	0	NM_027093	RIKEN cDNA 2310003L22 gene (2310003L22Rik), mRNA.	Mme-M300005614	ILMN_1216813	0	0
76947	Ndufaf6	0.128	0.119	0.019	0	0	0	0	0	0	NM_001085493	RIKEN cDNA 2310030N02 gene (2310030N02Rik), mRNA.	Mme-M300021022	ILMN_2656042	0	0
73694	Ndufaf7	-0.057	0.077	0.042	0	0	0	0	0	0	NM_028611	RIKEN cDNA 2410091C18 gene (2410091C18Rik), mRNA.	Mme-M200016336	ILMN_2675254	0	0
68342	Ndufb10	0.359	-0.195	-0.179	0	0	0	0	0	0	NM_026684	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10 (Ndufb10), mRNA.	Mme-M200002735	ILMN_2900216	0	0
104130	Ndufb11	0.238	-0.124	-0.061	0	0	0	0	0	0	NM_019435	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 (Ndufb11), mRNA.	Mme-M300007542	ILMN_2747886	0	0
68198	Ndufb2	0.175	-0.065	-0.023	0	0	0	0	0	0	NM_026612	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2 (Ndufb2), nuclear gene encoding mitochondrial protei	Mme-M200006474	ILMN_2636435	0	0
66495	Ndufb3	0.132	0.123	-0.060	0	0	0	0	0	0	NM_025597	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 3 (Ndufb3), mRNA.	Mme-M200000774	ILMN_2734511	0	0
68194	Ndufb4	0.248	-0.090	0.040	0	0	0	0	0	0	NM_026610	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 4 (Ndufb4), nuclear gene encoding mitochondrial protei	Mme-M400008997	ILMN_1227012	0	0
66046	Ndufb5	-0.072	-0.062	0.085	0	0	0	0	0	0	NM_025316	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (Ndufb5), nuclear gene encoding mitochondrial protei	Mme-M200005816	ILMN_2617335	0	0
230075	Ndufb6	0.075	0.138	-0.081	0	0	0	0	0	0	NM_001033305	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (Ndufb6), nuclear gene encoding mitochondrial protei	Mme-M400006481	ILMN_1242233	0	0
66916	Ndufb7	-0.025	0.195	0.020	0	0	0	0	0	0	NM_025843	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (Ndufb7), nuclear gene encoding mitochondrial protei	Mme-M200006599	ILMN_2717460	0	0
67264	Ndufb8	0.041	-0.067	-0.085	0	0	0	0	0	0	NM_026061	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8 (Ndufb8), mRNA.	Mme-M200000786	ILMN_2621966	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66218	Ndufb9	0.124	-0.034	0.084	0	0	0	0	0	0	NM_023172	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (Ndufb9), mRNA.	Mme-M300003231	ILMN_2605004	0	0
66377	Ndufc1	0.389	-0.008	-0.081	0	0	0	0	0	0	NM_025523	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (Ndufc1), mRNA.	Mme-M400011493	ILMN_1229975	0	0
68197	Ndufc2	0.211	-0.104	0.213	0	0	0	0	0	0	NM_024220	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2 (Ndufc2), mRNA.	Mme-M400001304	ILMN_1251341	0	0
227197	Ndufs1	0.161	0.043	-0.058	0	0	0	0	0	0	NM_145518	NADH dehydrogenase (ubiquinone) Fe-S protein 1 (Ndufs1), nuclear gene encoding mitochondrial protein, mRN	Mme-M200013485	ILMN_2691936	0	0
226646	Ndufs2	0.215	0.146	-0.099	0	0	0	0	0	0	NM_153064	NADH dehydrogenase (ubiquinone) Fe-S protein 2 (Ndufs2), mRNA.	Mme-M200004187	ILMN_1224781	0	0
68349	Ndufs3	0.168	0.028	0.046	0	0	0	0	0	0	NM_026688	NADH dehydrogenase (ubiquinone) Fe-S protein 3 (Ndufs3), mRNA.	Mme-M300000683	ILMN_2747897	0	0
17993	Ndufs4	0.190	0.262	0.086	0	0	0	0	0	0	NM_010887	NADH dehydrogenase (ubiquinone) Fe-S protein 4 (Ndufs4), nuclear gene encoding mitochondrial protein, mRN	Mme-M200003311	ILMN_2640944	0	0
595136	Ndufs5	0.140	0.091	-0.081	0	0	0	0	0	0	NM_001030274	NADH dehydrogenase (ubiquinone) Fe-S protein 5 (Ndufs5), mRNA.	Mme-M400008998	ILMN_2946817	0	0
407785	Ndufs6	-0.017	0.016	-0.171	0	0	0	0	0	0	NM_010888	NADH dehydrogenase (ubiquinone) Fe-S protein 6 (Ndufs6), mRNA.	Mme-M400000492	ILMN_2842572	0	0
75406	Ndufs7	0.066	0.061	-0.033	0	0	0	0	0	0	NM_029272	NADH dehydrogenase (ubiquinone) Fe-S protein 7 (Ndufs7), nuclear gene encoding mitochondrial protein, mRN	Mme-M200006140	ILMN_2688763	0	0
225887	Ndufs8	0.092	0.035	-0.216	0	0	0	0	0	0	NM_144870	NADH dehydrogenase (ubiquinone) Fe-S protein 8 (Ndufs8), mRNA.	Mme-M300004360	ILMN_2711734	0	0
17995	Ndufv1	0.409	-0.068	-0.132	0	0	0	0	0	0	NM_133666	NADH dehydrogenase (ubiquinone) flavoprotein 1 (Ndufv1), nuclear gene encoding mitochondrial protein, mRN	Mme-M200006686	ILMN_2702704	0	0
72900	Ndufv2	0.142	-0.057	-0.010	0	0	0	0	0	0	NM_028388	NADH dehydrogenase (ubiquinone) flavoprotein 2 (Ndufv2), nuclear gene encoding mitochondrial protein, mRN	Mme-M200000835	ILMN_2985053	0	0
78330	Ndufv3	0.095	-0.049	-0.167	0	0	0	0	0	0	NM_001083891	RIKEN cDNA 1500032D16 gene (1500032D16Rik), transcript variant 2, mRNA.	Mme-M400011695	ILMN_2668977	0	0
66961	Neat1	0.099	-0.080	0.157	0	0	0	0	0	0	NR_003513	RIKEN cDNA 2310043N10 gene (2310043N10Rik) on chromosome 19.	Mme-M400013463	ILMN_2493030	0	0
17996	Neb	1.636	0.061	0.014	1	0	0	1	0	0	NM_010889	nebulin (Neb), mRNA.	Mme-M300005399	ILMN_1235161	1	0
74103	Nebl	-0.094	-0.038	-0.068	0	0	0	0	0	0	NM_028757	nebulette (Nebl), mRNA.	Mme-M300011124	ILMN_1218944	0	0
69352	Necab1	-0.040	-0.112	0.088	0	0	0	0	0	0	NM_178617	N-terminal EF-hand calcium binding protein 1 (Necab1), mRNA.	Mme-M300012711	ILMN_2821247	0	0
117148	Necab2	0.189	0.238	-0.219	0	0	0	0	0	0	NM_054095	N-terminal EF-hand calcium binding protein 2 (Necab2), mRNA.	Mme-M200009009	ILMN_2694360	0	0
56846	Necab3	-0.368	0.111	0.023	0	0	0	0	0	0	NM_021546	N-terminal EF-hand calcium binding protein 3 (Necab3), mRNA.	Mme-M200009457	ILMN_2775695	0	0
67602	Necap1	0.194	0.210	0.093	0	0	0	0	0	0	NM_026267	NECAP endocytosis associated 1 (Necap1), mRNA.	Mme-M200014349	ILMN_2715304	0	0
66147	Necap2	0.183	0.105	-0.024	0	0	0	0	0	0	NM_025383	NECAP endocytosis associated 2 (Necap2), mRNA.	Mme-M200004079	ILMN_2796400	0	0
17997	Nedd1	-0.218	-0.148	0.081	0	0	0	0	0	0	NM_008682	neural precursor cell expressed, developmentally down-regulated gene 1 (Nedd1), mRNA.	Mme-M400010853	ILMN_2993455	0	0
17999	Nedd4	0.164	0.111	-0.056	0	0	0	0	0	0	NM_010890	neural precursor cell expressed, developmentally down-regulated gene 4 (Nedd4), mRNA.	Mme-M400001438	ILMN_2594344	0	0
83814	Nedd4l	-0.317	-0.146	-0.149	0	0	0	0	0	0	NM_001114386	neural precursor cell expressed, developmentally down-regulated gene 4-like (Nedd4l), transcript variant 1, mR	Mme-M400000759	ILMN_1243947	0	0
18002	Nedd8	-0.092	0.198	-0.212	0	0	0	0	0	0	NM_008683	neural precursor cell expressed, developmentally down-regulated gene 8 (Nedd8), mRNA.	Mme-M300001097	ILMN_1256971	0	0
18003	Nedd9	-0.016	0.076	0.079	0	0	0	0	0	0	NM_017464	neural precursor cell expressed, developmentally down-regulated gene 9 (Nedd9), transcript variant 2, mRNA.	Mme-M200002700	ILMN_2654186	0	0
380684	Nefh	-0.100	-0.031	0.020	0	0	0	0	0	0	NM_010904	neurofilament, heavy polypeptide (Nefh), mRNA.	Mme-M300002166	ILMN_1237729	0	0
18039	Nefl	-0.176	0.004	0.067	0	0	0	0	0	0	NM_010910	neurofilament, light polypeptide (Nefl), mRNA.	Mme-M200000742	ILMN_2679784	0	0
18040	Nefm	-0.230	-0.075	0.093	0	0	0	0	0	0	NM_008691	neurofilament, medium polypeptide (Nefm), mRNA.	Mme-M200009378	ILMN_1225279	0	0
320840	Negr1	-0.087	0.219	-0.347	0	0	-1	0	0	0	NM_177274	neuronal growth regulator 1 (Negr1), transcript variant 2, mRNA.	Mme-M400009261	ILMN_2689346	0	0
72774	Neil1	0.168	0.010	0.041	0	0	0	0	0	0	NM_028347	nei endonuclease VIII-like 1 (E. coli) (Neil1), mRNA.	Mme-M200007803	ILMN_2632630	0	0
382913	Neil2	0.072	0.103	-0.052	0	0	0	0	0	0	NM_201610	nei like 2 (E. coli) (Neil2), mRNA.	Mme-M300009705	ILMN_2613131	0	0
234258	Neil3	0.096	-0.044	0.101	0	0	0	0	0	0	NM_146208	nei like 3 (E. coli) (Neil3), mRNA.	Mme-M300012148	ILMN_1246104	0	0
18004	Nek1	-0.164	-0.343	-0.132	0	0	0	0	0	0	NM_175089	NIMA (never in mitosis gene a)-related expressed kinase 1 (Nek1), mRNA.	Mme-M300011251	ILMN_1225067	0	0
208583	Nek11	0.049	0.021	-0.052	0	0	0	0	0	0	NM_172461	NIMA (never in mitosis gene a)-related expressed kinase 11 (Nek11), mRNA.	Mme-M300009666	ILMN_2774993	0	0
18005	Nek2	0.222	0.079	-0.037	0	0	0	0	0	0	NM_010892	NIMA (never in mitosis gene a)-related expressed kinase 2 (Nek2), mRNA.	Mme-M200002252	ILMN_2519385	0	0
23954	Nek3	0.309	-0.073	0.089	0	0	0	0	0	0	NM_011848	NIMA (never in mitosis gene a)-related expressed kinase 3 (Nek3), mRNA.	Mme-M400001374	ILMN_1252297	0	0
23955	Nek4	-0.012	0.045	0.015	0	0	0	0	0	0	NM_011849	NIMA (never in mitosis gene a)-related expressed kinase 4 (Nek4), mRNA.	Mme-M200014889	ILMN_2634859	0	0
330721	Nek5	-0.240	-0.165	-0.022	0	0	0	0	0	0	NM_177898	NIMA (never in mitosis gene a)-related expressed kinase 5 (Nek5), mRNA.	Mme-M400002051	ILMN_1222147	0	0
59126	Nek6	0.146	-0.011	-0.069	0	0	0	0	0	0	NM_021606	NIMA (never in mitosis gene a)-related expressed kinase 6 (Nek6), mRNA.	Mme-M200009492	ILMN_2685668	0	0
59125	Nek7	-0.169	-0.027	0.014	0	0	0	0	0	0	NM_021605	NIMA (never in mitosis gene a)-related expressed kinase 7 (Nek7), mRNA.	Mme-M300005079	ILMN_2687046	0	0
140859	Nek8	-0.106	-0.153	0.208	0	0	0	0	0	0	NM_080849	NIMA (never in mitosis gene a)-related expressed kinase 8 (Nek8), mRNA.	Mme-M200004690	ILMN_2662243	0	0
217718	Nek9	0.242	0.173	0.133	0	0	0	0	0	0	NM_145138	NIMA (never in mitosis gene a)-related expressed kinase 9 (Nek9), mRNA.	Mme-M300009259	ILMN_1218295	0	0
24116	Nelfa	0.259	0.002	-0.134	0	0	0	0	0	0	NM_011914	Wolf-Hirschhorn syndrome candidate 2 (human) (Whsc2), mRNA.	Mme-M200015310	ILMN_2474886	0	0
58202	Nelfb	-0.189	0.204	-0.223	0	0	0	0	0	0	NM_021393	cofactor of BRCA1 (Cobra1), mRNA.	Mme-M200008802	ILMN_2873174	0	0
57314	Nelfcd	0.105	0.200	-0.201	0	0	0	0	0	0	NM_020580	TH1-like homolog (Drosophila) (Th1l), mRNA.	Mme-M300001502	ILMN_2606873	0	0
27632	Nelfe	0.133	-0.126	-0.170	0	0	0	0	0	0	NM_138580	RD RNA-binding protein (Rdbp), transcript variant 1, mRNA.	Mme-M200009226	ILMN_3094608	0	0
338352	Nell1	-0.223	0.203	-0.072	0	0	0	0	0	0	NM_001037906	NEL-like 1 (chicken) (Nell1), mRNA.	Mme-M300021438	ILMN_1218968	0	0
54003	Nell2	0.737	0.086	0.093	1	0	0	0	0	0	NM_016743	NEL-like 2 (chicken) (Nell2), mRNA.	Mme-M400011258	ILMN_1241551	0	0
66244	Nemf	0.008	-0.071	0.099	0	0	0	0	0	0	NM_025441	serologically defined colon cancer antigen 1 (Sdccag1), mRNA.	Mme-M200006249	ILMN_2607522	0	0
66208	Nenf	0.278	-0.125	-0.034	0	0	0	0	0	0	NM_025424	neuron derived neurotrophic factor (Nenf), mRNA.	Mme-M200014515	ILMN_2941728	0	0
18007	Neo1	0.324	-0.168	-0.043	0	0	0	0	0	0	NM_001042752	neogenin (Neo1), transcript variant 2, mRNA.	Mme-M400009625	ILMN_2610156	0	0
66650	Nepn	-0.140	0.052	0.049	0	0	0	0	0	0	NM_025684	nephrocan (Nepn), mRNA.	Mme-M400002161	ILMN_1247855	0	0
18008	Nes	0.192	0.149	0.056	0	0	0	0	0	0	NM_016701	nestin (Nes), mRNA.	Mme-M300000613	ILMN_2703267	0	0
56349	Net1	0.225	-0.117	-0.238	0	0	0	0	0	0	NM_001047159	neuroepithelial cell transforming gene 1 (Net1), transcript variant 2, mRNA.	Mme-M200004337	ILMN_2610771	0	0
246317	Neto1	0.222	0.170	0.067	0	0	0	0	0	0	NM_144946	neuropilin (NRP) and tolloid (TLL)-like 1 (Neto1), mRNA.	Mme-M300021020	ILMN_2687473	0	0
74513	Neto2	0.142	0.046	0.081	0	0	0	0	0	0	NM_001081324	neuropilin (NRP) and tolloid (TLL)-like 2 (Neto2), mRNA.	Mme-M200009135	ILMN_1245531	0	0
18010	Neu1	0.018	0.026	-0.152	0	0	0	0	0	0	NM_010893	neuraminidase 1 (Neu1), mRNA.	Mme-M200002746	ILMN_2708906	0	0
23956	Neu2	0.076	-0.048	-0.148	0	0	0	0	0	0	NM_015750	neuraminidase 2 (Neu2), mRNA.	Mme-M200014303	ILMN_2662728	0	0
50877	Neu3	-0.054	-0.018	-0.039	0	0	0	0	0	0	NM_016720	neuraminidase 3 (Neu3), mRNA.	Mme-M200008593	ILMN_2713763	0	0
241159	Neu4	-0.184	0.151	-0.051	0	0	0	0	0	0	NM_173772	sialidase 4 (Neu4), mRNA.	Mme-M300009078	ILMN_2716254	0	0
18011	Neurl1a	0.051	0.036	-0.206	0	0	0	0	0	0	NM_021360	neuralized-like homolog (Drosophila) (Neurl), mRNA.	Mme-M200008551	ILMN_2625940	0	0
240055	Neurl1b	0.200	0.094	-0.025	0	0	0	0	0	0	NM_001081656	predicted gene, EG240055 (EG240055), mRNA.	Mme-M400001697	ILMN_1228763	0	0
415115	Neurl2	-0.028	0.137	-0.128	0	0	0	0	0	0	NM_001082974	neuralized-like 2 (Drosophila) (Neurl2), mRNA.	Mme-M200014430	ILMN_1256950	0	0
214854	Neurl3	-0.235	0.306	0.135	0	0	0	0	0	0	NM_153408	lung-inducible neuralized-related C3HC4 RING domain protein (Lincr), mRNA.	Mme-M300018035	ILMN_1229573	0	0
216860	Neurl4	0.044	0.112	0.052	0	0	0	0	0	0	NM_001013414	RIKEN cDNA 0610025P10 gene (0610025P10Rik), mRNA.	Mme-M200013438	ILMN_1226653	0	0
18012	Neurod1	-0.058	0.145	-0.019	0	0	0	0	0	0	NM_010894	neurogenic differentiation 1 (Neurod1), mRNA.	Mme-M200001853	ILMN_1228141	0	0
18013	Neurod2	0.399	0.170	-0.144	0	0	0	0	0	0	NM_010895	neurogenic differentiation 2 (Neurod2), mRNA.	Mme-M400011079	ILMN_2771433	0	0
11923	Neurod4	0.092	0.039	-0.447	0	0	-1	0	0	-1	NM_007501	neurogenic differentiation 4 (Neurod4), mRNA.	Mme-M200002964	ILMN_2977633	0	1
11922	Neurod6	0.114	0.027	0.054	0	0	0	0	0	0	NM_009717	neurogenic differentiation 6 (Neurod6), mRNA.	Mme-M200002153	ILMN_2708982	0	0
18014	Neurog1	0.047	0.082	0.012	0	0	0	0	0	0	NM_010896	neurogenin 1 (Neurog1), mRNA.	Mme-M200014982	ILMN_1244348	0	0
11924	Neurog2	-0.149	-0.137	0.112	0	0	0	0	0	0	NM_009718	neurogenin 2 (Neurog2), mRNA.	Mme-M200013835	ILMN_1213024	0	0
11925	Neurog3	-0.197	-0.031	0.014	0	0	0	0	0	0	NM_009719	neurogenin 3 (Neurog3), mRNA.	Mme-M400002884	ILMN_2600778	0	0
68810	Nexn	0.581	-0.099	0.024	0	0	0	0	0	0	NM_199465	nexilin (Nexn), mRNA.	Mme-M300011954	ILMN_2620563	0	0
18015	Nf1	0.028	0.075	-0.017	0	0	0	0	0	0	NM_010897	neurofibromatosis 1 (Nf1), mRNA.	Mme-M400000413	ILMN_1231104	0	0
18016	Nf2	0.097	0.000	0.030	0	0	0	0	0	0	NM_010898	neurofibromatosis 2 (Nf2), mRNA.	Mme-M400011080	ILMN_2611840	0	0
74039	Nfam1	-0.200	0.040	0.001	0	0	0	0	0	0	NM_028728	Nfat activating molecule with ITAM motif 1 (Nfam1), mRNA.	Mme-M300003288	ILMN_1248347	0	0
269116	Nfasc	-0.088	0.217	0.090	0	0	0	0	0	0	NM_182716	neurofascin (Nfasc), mRNA.	Mme-M300005109	ILMN_1228249	0	0
54446	Nfat5	-0.238	-0.078	-0.102	0	0	0	0	0	0	NM_018823	nuclear factor of activated T-cells 5 (Nfat5), transcript variant b, mRNA.	Mme-M300000479	ILMN_2735633	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18018	Nfatc1	-0.195	-0.042	0.150	0	0	0	0	0	0	NM_198429	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (Nfatc1), transcript variant 2, mRNA.	Mme-M400001520	ILMN_1216522	0	0
18019	Nfatc2	-0.196	0.024	0.092	0	0	0	0	0	0	NM_001037178	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 (Nfatc2), transcript variant 3, mRNA.	Mme-M300005693	ILMN_3078602	0	0
18020	Nfatc2ip	-0.005	-0.044	0.027	0	0	0	0	0	0	NM_010900	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein (Nfatc2ip), mRNA.	Mme-M200000554	ILMN_1235902	0	0
18021	Nfatc3	-0.016	-0.301	0.131	0	0	0	0	0	0	NM_010901	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (Nfatc3), mRNA.	Mme-M200001190	ILMN_2659540	0	0
73181	Nfatc4	0.286	-0.008	-0.081	0	0	0	0	0	0	NM_023699	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 (Nfatc4), mRNA.	Mme-M300003727	ILMN_2647331	0	0
18022	Nfe2	0.093	0.306	0.311	0	0	1	0	0	0	NM_008685	nuclear factor, erythroid derived 2 (Nfe2), mRNA.	Mme-M200001239	ILMN_2881620	0	0
18024	Nfe2l2	-0.071	0.175	-0.075	0	0	0	0	0	0	NM_010902	nuclear factor, erythroid derived 2, like 2 (Nfe2l2), mRNA.	Mme-M200016208	ILMN_1214369	0	0
18025	Nfe2l3	0.080	-0.207	0.085	0	0	0	0	0	0	NM_010903	nuclear factor, erythroid derived 2, like 3 (Nfe2l3), mRNA.	Mme-M200013890	ILMN_2787212	0	0
18028	Nfib	0.297	-0.289	0.180	0	0	0	0	0	0	NM_008687	nuclear factor I/B (Nfib), transcript variant 3, mRNA.	Mme-M400012319	ILMN_2646631	0	0
18029	Nfic	0.062	-0.389	-0.232	0	0	0	0	0	0	NM_026756	nuclear factor I/C (Nfic), transcript variant 2, mRNA.	Mme-M300002080	ILMN_2710678	0	0
18030	Nfil3	0.337	-0.006	-0.095	0	0	0	0	0	0	NM_017373	nuclear factor, interleukin 3, regulated (Nfil3), mRNA.	Mme-M400005620	ILMN_2595732	0	0
18032	Nfix	0.520	-0.028	-0.268	0	0	0	0	0	0	NM_010906	nuclear factor I/X (Nfix), transcript variant 2, mRNA.	Mme-M200002789	ILMN_2742599	0	0
18033	Nfkb1	-0.101	0.165	-0.033	0	0	0	0	0	0	NM_008689	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105 (Nfkb1), mRNA.	Mme-M200001324	ILMN_2592476	0	0
18034	Nfkb2	0.041	0.022	-0.014	0	0	0	0	0	0	NM_019408	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100 (Nfkb2), mRNA.	Mme-M200003835	ILMN_2642239	0	0
18035	Nfkbia	0.122	-0.058	-0.052	0	0	0	0	0	0	NM_010907	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (Nfkbia), mRNA.	Mme-M200002750	ILMN_3001914	0	0
18036	Nfkbib	0.290	0.033	0.007	0	0	0	0	0	0	NM_010908	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta (Nfkbib), mRNA.	Mme-M200012507	ILMN_2612007	0	0
243910	Nfkbid	0.244	0.382	0.269	0	0	0	0	0	0	NM_172142	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta (Nfkbid), mRNA.	Mme-M300010637	ILMN_1225192	0	0
18037	Nfkbie	0.023	0.460	0.213	0	1	0	0	0	0	NM_008690	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon (Nfkbie), mRNA.	Mme-M200014903	ILMN_2690551	0	0
18038	Nfkbil1	0.035	-0.067	0.009	0	0	0	0	0	0	NM_010909	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1 (Nfkbil1), mRNA.	Mme-M300013680	ILMN_2989469	0	0
80859	Nfkbiz	0.054	0.014	0.306	0	0	1	0	0	0	NM_030612	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta (Nfkbiz), mRNA.	Mme-M200001433	ILMN_2755008	0	0
235134	Nfrkb	0.177	0.116	0.087	0	0	0	0	0	0	NM_172766	nuclear factor related to kappa B binding protein (Nfrkb), mRNA.	Mme-M300013550	ILMN_2606777	0	0
18041	Nfs1	0.231	0.095	-0.082	0	0	0	0	0	0	NM_010911	nitrogen fixation gene 1 (S. cerevisiae) (Nfs1), mRNA.	Mme-M300005726	ILMN_1249158	0	0
56748	Nfu1	0.218	-0.031	0.015	0	0	0	0	0	0	NM_020045	NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae) (Nfu1), mRNA.	Mme-M300006954	ILMN_2698494	0	0
74164	Nfx1	-0.008	-0.057	-0.033	0	0	0	0	0	0	NM_023739	nuclear transcription factor, X-box binding 1 (Nfx1), mRNA.	Mme-M200008838	ILMN_2713566	0	0
18044	Nfya	0.249	-0.020	-0.116	0	0	0	0	0	0	NM_010913	nuclear transcription factor-Y alpha (Nfya), transcript variant 2, mRNA.	Mme-M200002039	ILMN_2625993	0	0
18045	Nfyb	0.345	-0.035	-0.066	0	0	0	0	0	0	NM_010914	nuclear transcription factor-Y beta (Nfyb), mRNA.	Mme-M400000373	ILMN_2718600	0	0
18046	Nfyc	0.099	-0.068	-0.044	0	0	0	0	0	0	NM_001048168	nuclear transcription factor-Y gamma (Nfyc), transcript variant 2, mRNA.	Mme-M400002046	ILMN_3090793	0	0
64242	Ngb	-0.493	-0.005	-0.067	0	0	0	0	0	0	NM_022414	neuroglobin (Ngb), mRNA.	Mme-M300002518	ILMN_2615821	0	0
68966	Ngdn	0.105	0.135	-0.076	0	0	0	0	0	0	NM_026890	neuroguidin, EIF4E binding protein (Ngdn), mRNA.	Mme-M200004087	ILMN_1217371	0	0
53972	Ngef	0.365	0.353	-0.160	0	0	0	0	0	0	NM_019867	neuronal guanine nucleotide exchange factor (Ngef), transcript variant 2, mRNA.	Mme-M200009440	ILMN_2822905	0	0
18049	Ngf	0.051	0.030	0.053	0	0	0	0	0	0	NM_001112698	nerve growth factor (Ngf), transcript variant B, mRNA.	Mme-M200000470	ILMN_2937596	0	0
18053	Ngfr	-0.404	0.286	-0.035	0	0	0	0	0	0	NM_033217	nerve growth factor receptor (TNFR superfamily, member 16) (Ngfr), mRNA.	Mme-M400011735	ILMN_1231408	0	0
12070	Ngfrap1	0.218	0.136	-0.117	0	0	0	0	0	0	NM_001110234	nerve growth factor receptor (TNFRSF16) associated protein 1 (Ngfrap1), transcript variant 3, mRNA.	Mme-M200016095	ILMN_2943599	0	0
59007	Ngly1	-0.095	0.078	0.075	0	0	0	0	0	0	NM_021504	N-glycanase 1 (Ngly1), mRNA.	Mme-M200011851	ILMN_2704895	0	0
18054	Ngp	0.445	0.497	0.415	0	1	1	0	0	1	NM_008694	neutrophilic granule protein (Ngp), mRNA.	Mme-M200001075	ILMN_1228832	1	0
83485	Ngrn	0.219	-0.041	-0.044	0	0	0	0	0	0	NM_031375	neugrin, neurite outgrowth associated (Ngrn), mRNA.	Mme-M200004075	ILMN_2674296	0	0
75570	Nhej1	-0.267	0.050	-0.048	0	0	0	0	0	0	NM_029342	nonhomologous end-joining factor 1 (Nhej1), mRNA.	Mme-M400006516	ILMN_2991107	0	0
18071	Nhlh1	0.118	0.045	0.005	0	0	0	0	0	0	NM_010916	nescient helix loop helix 1 (Nhlh1), mRNA.	Mme-M300021899	ILMN_2656711	0	0
18072	Nhlh2	0.059	-0.041	0.058	0	0	0	0	0	0	NM_178777	nescient helix loop helix 2 (Nhlh2), mRNA.	Mme-M400009242	ILMN_2702425	0	0
105193	Nhlrc1	-0.068	-0.073	-0.154	0	0	0	0	0	0	NM_175340	NHL repeat containing 1 (Nhlrc1), mRNA.	Mme-M300015260	ILMN_2595091	0	0
66866	Nhlrc2	0.066	-0.117	0.124	0	0	0	0	0	0	NM_025811	NHL repeat containing 2 (Nhlrc2), mRNA.	Mme-M200014475	ILMN_3007312	0	0
212114	Nhlrc3	0.066	-0.025	-0.015	0	0	0	0	0	0	NM_172501	NHL repeat containing 3 (Nhlrc3), mRNA.	Mme-M300014082	ILMN_1219639	0	0
621239	Nhlrc4	-0.337	0.084	0.110	0	0	0	0	0	0	NM_001039038	RIKEN cDNA F430201B04 gene (F430201B04Rik), mRNA.	Mme-M400000849	ILMN_1246463	0	0
52530	Nhp2	-0.128	0.033	0.061	0	0	0	0	0	0	NM_026631	nucleolar protein family A, member 2 (Nola2), mRNA.	Mme-M200005882	ILMN_2880634	0	0
195727	Nhs	0.047	0.121	0.069	0	0	0	0	0	0	NM_001081052	Nance-Horan syndrome (human) (Nhs), mRNA.	Mme-M400006828	ILMN_3075461	0	0
215819	Nhsl1	-0.250	-0.055	0.103	0	0	0	0	0	0	NM_173390	NHS-like 1 (Nhsl1), mRNA.	Mme-M200002234	ILMN_2744492	0	0
66257	Nicn1	-0.089	-0.183	-0.128	0	0	0	0	0	0	NM_025449	nicolin 1 (Nicn1), mRNA.	Mme-M200002928	ILMN_2821916	0	0
18073	Nid1	-0.049	0.350	-0.089	0	0	0	0	0	0	NM_010917	nidogen 1 (Nid1), mRNA.	Mme-M200001893	ILMN_2814005	0	0
18074	Nid2	0.141	0.093	-0.117	0	0	0	0	0	0	NM_008695	nidogen 2 (Nid2), mRNA.	Mme-M200003870	ILMN_2961933	0	0
65102	Nif3l1	0.302	-0.056	-0.027	0	0	0	0	0	0	NM_022988	Ngg1 interacting factor 3-like 1 (S. pombe) (Nif3l1), mRNA.	Mme-M400000886	ILMN_2738837	0	0
245269	Nim1k	0.223	-0.040	0.086	0	0	0	0	0	0	NM_175538	RIKEN cDNA E130304F04 gene (E130304F04Rik), mRNA.	Mme-M400004230	ILMN_2623315	0	0
18080	Nin	0.243	-0.032	-0.046	0	0	0	0	0	0	NM_001081453	ninein (Nin), transcript variant 1, mRNA.	Mme-M200001815	ILMN_3144668	0	0
18081	Ninj1	0.062	0.087	-0.133	0	0	0	0	0	0	NM_013610	ninjurin 1 (Ninj1), mRNA.	Mme-M200003621	ILMN_2666582	0	0
29862	Ninj2	0.039	0.047	0.097	0	0	0	0	0	0	NM_016718	ninjurin 2 (Ninj2), mRNA.	Mme-M200008582	ILMN_2626283	0	0
78177	Ninl	0.014	-0.199	-0.119	0	0	0	0	0	0	NM_207204	RIKEN cDNA 4930519N13 gene (4930519N13Rik), mRNA.	Mme-M400012633	ILMN_2677065	0	0
66164	Nip7	0.314	0.240	-0.043	0	0	0	0	0	0	NM_025391	nuclear import 7 homolog (S. cerevisiae) (Nip7), mRNA.	Mme-M200005814	ILMN_2755730	0	0
233280	Nipa1	0.053	-0.152	0.287	0	0	0	0	0	0	NM_153578	non imprinted in Prader-Willi/Angelman syndrome 1 homolog (human) (Nipa1), mRNA.	Mme-M300017902	ILMN_2705349	0	0
93790	Nipa2	0.017	0.047	0.096	0	0	0	0	0	0	NM_023647	non imprinted in Prader-Willi/Angelman syndrome 2 homolog (human) (Nipa2), mRNA.	Mme-M300007238	ILMN_1249838	0	0
223473	Nipal2	0.041	-0.089	-0.099	0	0	0	0	0	0	NM_145469	NIPA-like domain containing 2 (Npal2), mRNA.	Mme-M200011878	ILMN_1223548	0	0
74552	Nipal3	-0.251	0.028	-0.089	0	0	0	0	0	0	NM_028995	NIPA-like domain containing 3 (Npal3), mRNA.	Mme-M200016172	ILMN_2681583	0	0
214112	Nipal4	-0.029	0.002	-0.063	0	0	0	0	0	0	NM_172524	RIKEN cDNA 9530066K23 gene (9530066K23Rik), mRNA.	Mme-M300002170	ILMN_2844642	0	0
71175	Nipbl	0.213	-0.278	0.211	0	0	0	0	0	0	NM_027707	Nipped-B homolog (Drosophila) (Nipbl), transcript variant A, mRNA.	Mme-M300003110	ILMN_1234693	0	0
18082	Nipsnap1	0.083	-0.120	-0.097	0	0	0	0	0	0	NM_008698	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans) (Nipsnap1), m	Mme-M200003475	ILMN_2619861	0	0
73398	Nipsnap3a	-0.056	-0.048	-0.060	0	0	0	0	0	0	XM_485380	PREDICTED: RIKEN cDNA 1700054F22 gene (1700054F22Rik), mRNA.	Mme-M400000226	ILMN_2678932	0	0
66536	Nipsnap3b	-0.039	0.141	-0.064	0	0	0	0	0	0	NM_025623	nipsnap homolog 3A (C. elegans) (Nipsnap3a), mRNA.	Mme-M200008035	ILMN_2592629	0	0
64652	Nisch	0.203	-0.048	-0.060	0	0	0	0	0	0	NM_022656	nischarin (Nisch), mRNA.	Mme-M300002998	ILMN_2616709	0	0
27045	Nit1	0.012	-0.271	0.111	0	0	0	0	0	0	NM_012049	nitrilase 1 (Nit1), mRNA.	Mme-M400011191	ILMN_2754027	0	0
52633	Nit2	0.083	0.080	-0.077	0	0	0	0	0	0	NM_023175	nitrilase family, member 2 (Nit2), mRNA.	Mme-M200004135	ILMN_2944185	0	0
67149	Nkain1	-0.298	0.012	-0.103	0	0	0	0	0	0	NM_025998	Na+/K+ transporting ATPase interacting 1 (Nkain1), mRNA.	Mme-M200014538	ILMN_2605041	0	0
432450	Nkain2	0.104	0.157	-0.162	0	0	0	0	0	0	NM_001013411	Na+/K+ transporting ATPase interacting 2 (Nkain2), transcript variant 1, mRNA.	Mme-M400014547	ILMN_3092427	0	0
269513	Nkain3	0.045	0.029	0.068	0	0	0	0	0	0	NM_172987	Na+/K+ transporting ATPase interacting 3 (Nkain3), mRNA.	Mme-M400005286	ILMN_1259590	0	0
67050	Nkap	0.134	-0.072	0.041	0	0	0	0	0	0	NM_025937	NFKB activating protein (Nkap), mRNA.	Mme-M200013737	ILMN_2854659	0	0
66707	Nkapl	0.120	-0.046	0.122	0	0	0	0	0	0	NM_025719	NFKB activating protein-like (Nkapl), mRNA.	Mme-M400006786	ILMN_2717190	0	0
93960	Nkd1	-0.335	-0.118	-0.112	0	0	0	0	0	0	NM_027280	naked cuticle 1 homolog (Drosophila) (Nkd1), mRNA.	Mme-M200006903	ILMN_2696611	0	0
72293	Nkd2	-0.121	0.034	0.055	0	0	0	0	0	0	NM_028186	naked cuticle 2 homolog (Drosophila) (Nkd2), mRNA.	Mme-M200014274	ILMN_1228631	0	0
72310	Nkg7	0.382	0.611	0.379	0	1	1	0	1	0	NM_024253	natural killer cell group 7 sequence (Nkg7), mRNA.	Mme-M200007620	ILMN_1217855	1	0
69721	Nkiras1	0.188	-0.099	-0.049	0	0	0	0	0	0	NM_023526	NFKB inhibitor interacting Ras-like protein 1 (Nkiras1), mRNA.	Mme-M200005166	ILMN_2649696	0	0
71966	Nkiras2	0.146	0.067	-0.094	0	0	0	0	0	0	NM_028024	NFKB inhibitor interacting Ras-like protein 2 (Nkiras2), mRNA.	Mme-M300001613	ILMN_2623184	0	0
69547	Nkpd1	-0.136	-0.180	-0.053	0	0	0	0	0	0	XM_133219	PREDICTED: NTPase, KAP family P-loop domain containing 1 (Nkpd1), mRNA.	Mme-M200015451	ILMN_2677668	0	0
77286	Nkrf	0.066	0.064	0.043	0	0	0	0	0	0	NM_029891	NF-kappaB repressing factor (Nkrf), mRNA.	Mme-M300018236	ILMN_2773741	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18087	Nktr	0.267	0.000	-0.010	0	0	0	0	0	0	NM_010918	natural killer tumor recognition sequence (Nktr), mRNA.	Mme-M200004740	ILMN_2658380	0	0
20231	Nkx1-2	-0.011	0.002	-0.119	0	0	0	0	0	0	NM_009123	NK1 transcription factor related, locus 2 (Drosophila) (Nkx1-2), mRNA.	Mme-M400003437	ILMN_2659630	0	0
21869	Nkx2-1	-0.168	-0.113	-0.099	0	0	0	0	0	0	NM_009385	NK2 homeobox 1 (Nkx2-1), mRNA.	Mme-M200016056	ILMN_1260212	0	0
18088	Nkx2-2	-0.125	0.150	0.222	0	0	0	0	0	0	NM_010919	NK2 transcription factor related, locus 2 (Drosophila) (Nkx2-2), transcript variant 1, mRNA.	Mme-M400001009	ILMN_1221619	0	0
18089	Nkx2-3	-0.231	0.056	0.013	0	0	0	0	0	0	NM_008699	NK2 transcription factor related, locus 3 (Drosophila) (Nkx2-3), mRNA.	Mme-M200014882	ILMN_1228029	0	0
228731	Nkx2-4	0.052	-0.002	0.071	0	0	0	0	0	0	NM_023504	NK2 transcription factor related, locus 4 (Drosophila) (Nkx2-4), mRNA.	Mme-M400011442	ILMN_2719346	0	0
18091	Nkx2-5	-0.110	-0.002	-0.025	0	0	0	0	0	0	NM_008700	NK2 transcription factor related, locus 5 (Drosophila) (Nkx2-5), mRNA.	Mme-M400000234	ILMN_2727695	0	0
18092	Nkx2-6	-0.302	0.014	-0.034	0	0	0	0	0	0	NM_010920	NK2 transcription factor related, locus 6 (Drosophila) (Nkx2-6), mRNA.	Mme-M400011082	ILMN_2684022	0	0
18094	Nkx2-9	-0.048	-0.078	0.078	0	0	0	0	0	0	NM_008701	NK2 transcription factor related, locus 9 (Drosophila) (Nkx2-9), mRNA.	Mme-M400006438	ILMN_2689425	0	0
18095	Nkx3-1	-0.014	0.004	-0.041	0	0	0	0	0	0	NM_010921	NK-3 transcription factor, locus 1 (Drosophila) (Nkx3-1), mRNA.	Mme-M200001377	ILMN_2759490	0	0
18096	Nkx6-1	0.049	-0.105	0.014	0	0	0	0	0	0	NM_144955	NK6 transcription factor related, locus 1 (Drosophila) (Nkx6-1), mRNA.	Mme-M300009758	ILMN_1245585	0	0
14912	Nkx6-2	-0.103	-0.217	0.143	0	0	0	0	0	0	NM_183248	NK6 transcription factor related, locus 2 (Drosophila) (Nkx6-2), mRNA.	Mme-M200005937	ILMN_2765101	0	0
217011	Nle1	0.045	0.016	-0.065	0	0	0	0	0	0	NM_145431	notchless homolog 1 (Drosophila) (Nle1), mRNA.	Mme-M200006362	ILMN_2984434	0	0
192167	Nlgn1	-0.037	-0.033	0.026	0	0	0	0	0	0	NM_138666	neuroligin 1 (Nlgn1), mRNA.	Mme-M300014414	ILMN_1222411	0	0
216856	Nlgn2	-0.255	0.000	-0.242	0	0	0	0	0	0	NM_198862	neuroligin 2 (Nlgn2), mRNA.	Mme-M300001787	ILMN_2972478	0	0
245537	Nlgn3	0.099	0.342	-0.076	0	0	0	0	0	0	NM_172932	neuroligin 3 (Nlgn3), mRNA.	Mme-M300007658	ILMN_1218482	0	0
18099	Nlk	0.099	-0.274	0.122	0	0	0	0	0	0	NM_008702	nemo like kinase (Nlk), mRNA.	Mme-M200002758	ILMN_2683613	0	0
75805	Nln	-0.098	0.046	0.074	0	0	0	0	0	0	NM_029447	neurolysin (metallopeptidase M3 family) (Nln), mRNA.	Mme-M200004584	ILMN_2786567	0	0
268857	Nlrc3	0.141	0.031	0.004	0	0	0	0	0	0	NM_001081280	NLR family, CARD domain containing 3 (Nlrc3), mRNA.	Mme-M400004957	ILMN_2808722	0	0
268973	Nlrc4	-0.046	0.162	-0.016	0	0	0	0	0	0	NM_001033367	NLR family, CARD domain containing 4 (Nlrc4), mRNA.	Mme-M300003898	ILMN_1235447	0	0
244202	Nlrp10	-0.082	-0.052	-0.055	0	0	0	0	0	0	NM_175532	NLR family, pyrin domain containing 10 (Nlrp10), mRNA.	Mme-M300020442	ILMN_1255593	0	0
378425	Nlrp12	0.079	0.029	-0.037	0	0	0	0	0	0	XM_001476888	PREDICTED: NLR family, pyrin domain containing 12 (Nlrp12), mRNA.	Mme-M400004969	ILMN_1253264	0	0
76858	Nlrp14	0.089	0.045	-0.081	0	0	0	0	0	0	NM_001002894	NLR family, pyrin domain containing 14 (Nlrp14), mRNA.	Mme-M300001530	ILMN_1241873	0	0
195046	Nlrp1a	-0.325	0.025	-0.072	0	0	0	0	0	0	NM_001004142	NLR family, pyrin domain containing 1A (Nlrp1a), mRNA.	Mme-M300012735	ILMN_3160230	0	0
232827	Nlrp2	-0.317	0.025	-0.003	0	0	0	0	0	0	NM_177690	NLR family, pyrin domain containing 2 (Nlrp2), mRNA.	Mme-M300009751	ILMN_2698602	0	0
216799	Nlrp3	0.197	0.118	-0.032	0	0	0	0	0	0	NM_145827	NLR family, pyrin domain containing 3 (Nlrp3), mRNA.	Mme-M300008390	ILMN_1237471	0	0
243880	Nlrp4a	-0.148	-0.004	-0.095	0	0	0	0	0	0	NM_172896	NLR family, pyrin domain containing 4A (Nlrp4a), mRNA.	Mme-M300012755	ILMN_2785420	0	0
210045	Nlrp4b	-0.099	-0.031	-0.066	0	0	0	0	0	0	NM_172481	NLR family, pyrin domain containing 4B (Nlrp4b), mRNA.	Mme-M400001643	ILMN_2649484	0	0
83564	Nlrp4c	-0.047	-0.052	-0.139	0	0	0	0	0	0	NM_031389	NLR family, pyrin domain containing 4C (Nlrp4c), mRNA.	Mme-M300009488	ILMN_1214165	0	0
446099	Nlrp4e	-0.225	-0.037	-0.089	0	0	0	0	0	0	NM_001004194	NLR family, pyrin domain containing 4E (Nlrp4e), mRNA.	Mme-M400010716	ILMN_2532923	0	0
97895	Nlrp4f	0.002	-0.099	-0.018	0	0	0	0	0	0	NM_175290	NLR family, pyrin domain containing 4F (Nlrp4f), mRNA.	Mme-M400001518	ILMN_2601376	0	0
235779	Nlrp4g	-0.118	0.077	-0.017	0	0	0	0	0	0	NM_001004145	NLR family, pyrin domain containing 4G (Nlrp4g), mRNA.	Mme-M400004840	ILMN_1223790	0	0
23968	Nlrp5	0.111	0.122	-0.124	0	0	0	0	0	0	NM_001039143	NLR family, pyrin domain containing 5 (Nlrp5), transcript variant 2, mRNA.	Mme-M400000240	ILMN_2696556	0	0
101613	Nlrp6	-0.121	-0.106	0.015	0	0	0	0	0	0	NM_001081389	NLR family, pyrin domain containing 6 (Nlrp6), mRNA.	Mme-M200007050	ILMN_2684600	0	0
233001	Nlrp9a	-0.187	-0.008	0.064	0	0	0	0	0	0	NM_001048220	NLR family, pyrin domain containing 9A (Nlrp9a), transcript variant 2, mRNA.	Mme-M400004706	ILMN_3099303	0	0
243874	Nlrp9b	-0.171	0.013	-0.009	0	0	0	0	0	0	NM_194058	NLR family, pyrin domain containing 9B (Nlrp9b), mRNA.	Mme-M400007252	ILMN_2769017	0	0
330490	Nlrp9c	-0.065	-0.034	-0.056	0	0	0	0	0	0	NM_001042612	NLR family, pyrin domain containing 9C (Nlrp9c), mRNA.	Mme-M400002414	ILMN_2646906	0	0
270151	Nlrx1	-0.023	-0.149	0.076	0	0	0	0	0	0	NM_178420	NLR family member X1 (Nlrx1), mRNA.	Mme-M300008074	ILMN_2958484	0	0
68039	Nmb	-0.040	-0.057	-0.105	0	0	0	0	0	0	NM_026523	neuromedin B (Nmb), mRNA.	Mme-M200004333	ILMN_2756334	0	0
18101	Nmbr	0.045	0.096	0.037	0	0	0	0	0	0	NM_008703	neuromedin B receptor (Nmbr), mRNA.	Mme-M200014902	ILMN_2662901	0	0
97112	Nmd3	0.176	-0.103	0.079	0	0	0	0	0	0	NM_133787	NMD3 homolog (S. cerevisiae) (Nmd3), mRNA.	Mme-M200004042	ILMN_1254684	0	0
18102	Nme1	0.050	0.038	0.003	0	0	0	0	0	0	NM_008704	non-metastatic cells 1, protein (NM23A) expressed in (Nme1), mRNA.	Mme-M300011019	ILMN_1221067	0	0
18103	Nme2	0.661	-0.031	0.053	1	0	0	0	0	0	NM_008705	non-metastatic cells 2, protein (NM23B) expressed in (Nme2), transcript variant 1, mRNA.	Mme-M300002424	ILMN_3071907	0	0
79059	Nme3	0.330	-0.104	-0.187	0	0	0	0	0	0	NM_019730	non-metastatic cells 3, protein expressed in (Nme3), mRNA.	Mme-M200016259	ILMN_2744414	0	0
56520	Nme4	0.018	0.070	-0.131	0	0	0	0	0	0	NM_019731	non-metastatic cells 4, protein expressed in (Nme4), mRNA.	Mme-M200013751	ILMN_2786229	0	0
75533	Nme5	0.353	0.086	-0.146	0	0	0	0	0	0	NM_080637	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) (Nme5), mRNA.	Mme-M200008279	ILMN_2696232	0	0
54369	Nme6	-0.143	0.151	0.098	0	0	0	0	0	0	NM_018757	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase) (Nme6), mRNA.	Mme-M200003205	ILMN_2606711	0	0
171567	Nme7	-0.271	-0.083	-0.105	0	0	0	0	0	0	NM_138314	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase) (Nme7), transcript variant 1, mRNA	Mme-M300005182	ILMN_2630618	0	0
73412	Nme8	-0.007	-0.118	-0.032	0	0	0	0	0	0	NM_181591	thioredoxin domain containing 3 (spermatozoa) (Txndc3), mRNA.	Mme-M200010612	ILMN_2474917	0	0
64685	Nmi	0.212	0.015	-0.110	0	0	0	0	0	0	NM_019401	N-myc (and STAT) interactor (Nmi), mRNA.	Mme-M200002556	ILMN_2755958	0	0
66454	Nmnat1	0.072	-0.047	0.071	0	0	0	0	0	0	NM_133435	nicotinamide nucleotide adenylyltransferase 1 (Nmnat1), mRNA.	Mme-M300006418	ILMN_2502596	0	0
226518	Nmnat2	-0.357	0.111	0.092	0	0	0	0	0	0	NM_175460	nicotinamide nucleotide adenylyltransferase 2 (Nmnat2), mRNA.	Mme-M300013860	ILMN_1214700	0	0
74080	Nmnat3	-0.235	-0.094	0.067	0	0	0	0	0	0	NM_144533	nicotinamide nucleotide adenylyltransferase 3 (Nmnat3), mRNA.	Mme-M200016119	ILMN_2616151	0	0
67824	Nmral1	0.000	0.023	0.020	0	0	0	0	0	0	NM_026393	NmrA-like family domain containing 1 (Nmral1), mRNA.	Mme-M200006010	ILMN_1239181	0	0
225994	Nmrk1	-0.046	0.022	0.093	0	0	0	0	0	0	NM_145497	cDNA sequence BC016495 (BC016495), mRNA.	Mme-M200013211	ILMN_1242106	0	0
69564	Nmrk2	0.499	0.464	-0.281	0	1	0	0	0	0	NM_027120	integrin beta 1 binding protein 3 (Itgb1bp3), mRNA.	Mme-M200015577	ILMN_2724880	0	0
18107	Nmt1	0.031	-0.007	0.013	0	0	0	0	0	0	NM_008707	N-myristoyltransferase 1 (Nmt1), mRNA.	Mme-M200002905	ILMN_2599487	0	0
18108	Nmt2	0.110	0.072	-0.013	0	0	0	0	0	0	NM_008708	N-myristoyltransferase 2 (Nmt2), mRNA.	Mme-M300005221	ILMN_2596704	0	0
56183	Nmu	0.117	-0.009	0.074	0	0	0	0	0	0	NM_019515	neuromedin U (Nmu), mRNA.	Mme-M200009808	ILMN_1240160	0	0
14767	Nmur1	-0.240	0.071	-0.004	0	0	0	0	0	0	NM_010341	neuromedin U receptor 1 (Nmur1), mRNA.	Mme-M200014916	ILMN_1256834	0	0
216749	Nmur2	-0.350	0.006	-0.018	0	0	0	0	0	0	NM_153079	neuromedin U receptor 2 (Nmur2), mRNA.	Mme-M200013269	ILMN_1255537	0	0
18111	Nnat	0.072	-0.605	-0.055	0	-1	0	0	-1	0	NM_010923	neuronatin (Nnat), transcript variant 1, mRNA.	Mme-M400011083	ILMN_2755578	0	1
18113	Nnmt	-0.009	0.423	0.072	0	1	0	0	0	0	NM_010924	nicotinamide N-methyltransferase (Nnmt), mRNA.	Mme-M300008161	ILMN_2885277	0	0
18115	Nnt	0.249	0.076	-0.073	0	0	0	0	0	0	NM_008710	nicotinamide nucleotide transhydrogenase (Nnt), nuclear gene encoding mitochondrial protein, transcript varia	Mme-M200001472	ILMN_1226968	0	0
56412	Noa1	0.231	-0.176	-0.162	0	0	0	0	0	0	NM_019836	RIKEN cDNA 2610024G14 gene (2610024G14Rik), mRNA.	Mme-M200016115	ILMN_1258552	0	0
67619	Nob1	0.071	0.241	0.117	0	0	0	0	0	0	NM_026277	NIN1/RPN12 binding protein 1 homolog (S. cerevisiae) (Nob1), mRNA.	Mme-M300000482	ILMN_2755782	0	0
18291	Nobox	-0.035	-0.064	0.089	0	0	0	0	0	0	NM_130869	NOBOX oogenesis homeobox (Nobox), mRNA.	Mme-M200003535	ILMN_2994428	0	0
57741	Noc2l	0.005	0.197	0.043	0	0	0	0	0	0	NM_021303	nucleolar complex associated 2 homolog (S. cerevisiae) (Noc2l), mRNA.	Mme-M300006476	ILMN_2851005	0	0
57753	Noc3l	-0.192	0.042	-0.004	0	0	0	0	0	0	NM_021315	nucleolar complex associated 3 homolog (S. cerevisiae) (Noc3l), mRNA.	Mme-M400000790	ILMN_1219173	0	0
100608	Noc4l	-0.035	0.383	-0.096	0	0	0	0	0	0	NM_153570	nucleolar complex associated 4 homolog (S. cerevisiae) (Noc4l), mRNA.	Mme-M300008694	ILMN_2957862	0	0
107607	Nod1	-0.147	0.155	0.084	0	0	0	0	0	0	NM_172729	nucleotide-binding oligomerization domain containing 1 (Nod1), mRNA.	Mme-M300011319	ILMN_1247710	0	0
257632	Nod2	-0.333	0.063	0.073	0	0	0	0	0	0	NM_145857	nucleotide-binding oligomerization domain containing 2 (Nod2), mRNA.	Mme-M400009578	ILMN_2702208	0	0
18121	Nog	-0.053	0.031	-0.083	0	0	0	0	0	0	NM_008711	noggin (Nog), mRNA.	Mme-M200008168	ILMN_2746870	0	0
68979	Nol11	0.212	-0.104	-0.084	0	0	0	0	0	0	NM_133702	nucleolar protein 11 (Nol11), mRNA.	Mme-M300001675	ILMN_2559943	0	0
78688	Nol3	-0.199	-0.162	-0.149	0	0	0	0	0	0	NM_030152	nucleolar protein 3 (apoptosis repressor with CARD domain) (Nol3), mRNA.	Mme-M200014645	ILMN_2931033	0	0
319211	Nol4	0.114	0.161	-0.079	0	0	0	0	0	0	NM_199024	nucleolar protein 4 (Nol4), mRNA.	Mme-M300013431	ILMN_2918944	0	0
230082	Nol6	0.139	0.107	-0.085	0	0	0	0	0	0	NM_139236	nucleolar protein family 6 (RNA-associated) (Nol6), mRNA.	Mme-M200007860	ILMN_2728623	0	0
70078	Nol7	0.342	0.016	-0.046	0	0	0	0	0	0	NM_023554	nucleolar protein 7 (Nol7), mRNA.	Mme-M300002728	ILMN_1250073	0	0
70930	Nol8	0.124	-0.192	0.097	0	0	0	0	0	0	NM_001081350	nucleolar protein 8 (Nol8), mRNA.	Mme-M200003109	ILMN_1243184	0	0
74035	Nol9	0.006	-0.021	0.076	0	0	0	0	0	0	NM_028727	nucleolar protein 9 (Nol9), mRNA.	Mme-M200009079	ILMN_3160348	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70769	Nolc1	0.124	-0.089	0.010	0	0	0	0	0	0	NM_001039351	nucleolar and coiled-body phosphoprotein 1 (Nolc1), transcript variant 2, mRNA.	Mme-M400011760	ILMN_3125651	0	0
433864	Nom1	-0.012	-0.071	-0.052	0	0	0	0	0	0	NM_001033457	gene model 1040, (NCBI) (Gm1040), mRNA.	Mme-M400000037	ILMN_2795677	0	0
211548	Nomo1	-0.017	0.174	0.002	0	0	0	0	0	0	NM_153057	nodal modulator 1 (Nomo1), mRNA.	Mme-M300007446	ILMN_2626389	0	0
53610	Nono	0.143	0.010	0.113	0	0	0	0	0	0	NM_023144	non-POU-domain-containing, octamer binding protein (Nono), mRNA.	Mme-M200004159	ILMN_2626779	0	0
66181	Nop10	0.097	0.158	0.070	0	0	0	0	0	0	NM_025403	nucleolar protein family A, member 3 (Nola3), mRNA.	Mme-M200005732	ILMN_2669023	0	0
75416	Nop14	0.060	-0.169	-0.057	0	0	0	0	0	0	NM_029278	nucleolar protein 14 (Nol14), mRNA.	Mme-M300010500	ILMN_1257117	0	0
28126	Nop16	-0.048	0.043	-0.033	0	0	0	0	0	0	NM_178605	DNA segment, Chr 13, Wayne State University 177, expressed (D13Wsu177e), mRNA.	Mme-M200009960	ILMN_1227079	0	0
110109	Nop2	-0.047	0.109	0.075	0	0	0	0	0	0	NM_138747	nucleolar protein 1 (Nol1), mRNA.	Mme-M300011470	ILMN_2688383	0	0
67134	Nop56	0.278	0.197	-0.159	0	0	0	0	0	0	NM_024193	nucleolar protein 5A (Nol5a), mRNA.	Mme-M200006451	ILMN_1245860	0	0
55989	Nop58	0.199	0.016	-0.060	0	0	0	0	0	0	NM_018868	nucleolar protein 5 (Nol5), mRNA.	Mme-M200002919	ILMN_1235979	0	0
67842	Nop9	0.148	-0.035	-0.136	0	0	0	0	0	0	NM_026403	RIKEN cDNA 2610027L16 gene (2610027L16Rik), mRNA.	Mme-M200011943	ILMN_2750842	0	0
18125	Nos1	0.165	0.175	-0.079	0	0	0	0	0	0	NM_008712	nitric oxide synthase 1, neuronal (Nos1), mRNA.	Mme-M300006633	ILMN_2770096	0	0
70729	Nos1ap	0.149	0.236	-0.043	0	0	0	0	0	0	NM_001109985	nitric oxide synthase 1 (neuronal) adaptor protein (Nos1ap), transcript variant 1, mRNA.	Mme-M400008586	ILMN_1254448	0	0
18126	Nos2	-0.114	0.032	0.040	0	0	0	0	0	0	NM_010927	nitric oxide synthase 2, inducible, macrophage (Nos2), mRNA.	Mme-M400012791	ILMN_2841352	0	0
18127	Nos3	0.013	-0.056	-0.206	0	0	0	0	0	0	NM_008713	nitric oxide synthase 3, endothelial cell (Nos3), mRNA.	Mme-M200003144	ILMN_2788593	0	0
66394	Nosip	-0.097	0.020	0.116	0	0	0	0	0	0	NM_025533	nitric oxide synthase interacting protein (Nosip), mRNA.	Mme-M200007448	ILMN_2621588	0	0
329416	Nostrin	-0.069	0.076	0.071	0	0	0	0	0	0	NM_181547	nitric oxide synthase trafficker (Nostrin), mRNA.	Mme-M300009514	ILMN_2821676	0	0
18128	Notch1	-0.055	0.008	0.169	0	0	0	0	0	0	NM_008714	Notch gene homolog 1 (Drosophila) (Notch1), mRNA.	Mme-M300005379	ILMN_1241915	0	0
18129	Notch2	0.060	0.054	0.022	0	0	0	0	0	0	NM_010928	Notch gene homolog 2 (Drosophila) (Notch2), mRNA.	Mme-M300005826	ILMN_2678002	0	0
18131	Notch3	0.023	0.214	-0.073	0	0	0	0	0	0	NM_008716	Notch gene homolog 3 (Drosophila) (Notch3), mRNA.	Mme-M300011370	ILMN_2697380	0	0
18132	Notch4	0.057	-0.308	-0.027	0	0	0	0	0	0	NM_010929	Notch gene homolog 4 (Drosophila) (Notch4), mRNA.	Mme-M200011763	ILMN_1220697	0	0
77583	Notum	0.006	-0.147	0.053	0	0	0	0	0	0	NM_175263	notum pectinacetylesterase homolog (Drosophila) (Notum), mRNA.	Mme-M200007275	ILMN_2504886	0	0
18133	Nov	0.644	-0.040	0.030	0	0	0	0	0	0	NM_010930	nephroblastoma overexpressed gene (Nov), mRNA.	Mme-M200002189	ILMN_1259573	0	0
664883	Nova1	0.403	0.067	-0.037	0	0	0	0	0	0	XM_922411	PREDICTED: neuro-oncological ventral antigen 1, transcript variant 7 (Nova1), mRNA.	Mme-M200008644	ILMN_1225424	0	0
384569	Nova2	0.372	-0.063	-0.067	0	0	0	0	0	0	NM_001029877	neuro-oncological ventral antigen 2 (Nova2), mRNA.	Mme-M400001265	ILMN_3044523	0	0
237038	Nox1	0.003	-0.094	-0.041	0	0	0	0	0	0	NM_172203	NADPH oxidase 1 (Nox1), mRNA.	Mme-M300007630	ILMN_1243266	0	0
224480	Nox3	0.040	-0.082	-0.020	0	0	0	0	0	0	NM_198958	NADPH oxidase 3 (Nox3), mRNA.	Mme-M300003754	ILMN_2640368	0	0
50490	Nox4	0.124	-0.090	0.247	0	0	0	0	0	0	NM_015760	NADPH oxidase 4 (Nox4), mRNA.	Mme-M400001294	ILMN_2698499	0	0
241275	Noxa1	-0.411	-0.035	0.051	0	0	0	0	0	0	NM_172204	NADPH oxidase activator 1 (Noxa1), mRNA.	Mme-M300010542	ILMN_2657776	0	0
71275	Noxred1	-0.430	-0.031	0.071	0	0	0	0	0	0	NM_027744	RIKEN cDNA 4933437F05 gene (4933437F05Rik), mRNA.	Mme-M200015527	ILMN_1226545	0	0
18142	Npas1	0.286	0.121	0.015	0	0	0	0	0	0	NM_008718	neuronal PAS domain protein 1 (Npas1), mRNA.	Mme-M300000255	ILMN_2677113	0	0
18143	Npas2	0.337	0.066	0.054	0	0	0	0	0	0	NM_008719	neuronal PAS domain protein 2 (Npas2), mRNA.	Mme-M200000894	ILMN_2668835	0	0
27386	Npas3	-0.049	0.061	-0.029	0	0	0	0	0	0	NM_013780	neuronal PAS domain protein 3 (Npas3), mRNA.	Mme-M400016122	ILMN_1233029	0	0
225872	Npas4	0.201	0.367	0.201	0	0	0	0	0	0	NM_153553	neuronal PAS domain protein 4 (Npas4), mRNA.	Mme-M300016823	ILMN_2596527	0	0
244879	Npat	-0.109	-0.037	0.129	0	0	0	0	0	0	NM_001081152	nuclear protein in the AT region (Npat), mRNA.	Mme-M300008576	ILMN_2489614	0	0
208990	Npb	-0.172	-0.155	0.002	0	0	0	0	0	0	NM_153288	neuropeptide B (Npb), mRNA.	Mme-M300015082	ILMN_2635572	0	0
226304	Npbwr1	0.143	0.026	0.002	0	0	0	0	0	0	XM_136404	PREDICTED: neuropeptides B/W receptor 1 (Npbwr1), mRNA.	Mme-M300008934	ILMN_1241373	0	0
18145	Npc1	0.190	-0.356	-0.090	0	0	0	0	0	0	NM_008720	Niemann Pick type C1 (Npc1), mRNA.	Mme-M200001354	ILMN_2427454	0	0
237636	Npc1l1	-0.075	0.067	0.058	0	0	0	0	0	0	NM_207242	NPC1-like 1 (Npc1l1), mRNA.	Mme-M300002195	ILMN_2659036	0	0
67963	Npc2	0.162	-0.040	0.070	0	0	0	0	0	0	NM_023409	Niemann Pick type C2 (Npc2), mRNA.	Mme-M200006489	ILMN_2744380	0	0
18146	Npdc1	0.074	-0.028	0.052	0	0	0	0	0	0	NM_008721	neural proliferation, differentiation and control gene 1 (Npdc1), mRNA.	Mme-M200000409	ILMN_2589403	0	0
228961	Npepl1	0.184	-0.046	-0.115	0	0	0	0	0	0	NM_213733	aminopeptidase-like 1 (Npepl1), mRNA.	Mme-M400002240	ILMN_2896049	0	0
19155	Npepps	-0.008	-0.119	-0.020	0	0	0	0	0	0	NM_008942	aminopeptidase puromycin sensitive (Npepps), mRNA.	Mme-M400000036	ILMN_1238071	0	0
54615	Npff	-0.320	0.186	-0.094	0	0	0	0	0	0	NM_018787	neuropeptide FF-amide peptide precursor (Npff), mRNA.	Mme-M300003656	ILMN_2677157	0	0
237362	Npffr1	-0.126	0.053	-0.023	0	0	0	0	0	0	XM_137119	PREDICTED: neuropeptide FF receptor 1 (Npffr1), mRNA.	Mme-M400000361	ILMN_2533797	0	0
104443	Npffr2	-0.608	-0.074	0.061	0	0	0	0	0	0	NM_133192	neuropeptide FF receptor 2 (Npffr2), mRNA.	Mme-M200012749	ILMN_1227800	0	0
53885	Nphp1	0.061	0.091	-0.116	0	0	0	0	0	0	NM_016902	nephronophthisis 1 (juvenile) homolog (human) (Nphp1), mRNA.	Mme-M200008089	ILMN_1226240	0	0
74025	Nphp3	0.037	-0.143	0.103	0	0	0	0	0	0	NM_028721	nephronophthisis 3 (adolescent) (Nphp3), transcript variant 1, mRNA.	Mme-M200007724	ILMN_3162526	0	0
260305	Nphp4	-0.019	-0.047	0.016	0	0	0	0	0	0	NM_153424	nephronophthisis 4 (juvenile) homolog (human) (Nphp4), mRNA.	Mme-M300012241	ILMN_2641152	0	0
54631	Nphs1	-0.066	0.044	0.001	0	0	0	0	0	0	NM_019459	nephrosis 1 homolog, nephrin (human) (Nphs1), mRNA.	Mme-M300000840	ILMN_2621716	0	0
170484	Nphs2	-0.458	-0.118	-0.121	0	0	0	0	0	0	NM_130456	nephrosis 2 homolog, podocin (human) (Nphs2), mRNA.	Mme-M200007173	ILMN_1223450	0	0
74091	Npl	0.199	0.141	-0.008	0	0	0	0	0	0	NM_028749	N-acetylneuraminate pyruvate lyase (Npl), mRNA.	Mme-M200005028	ILMN_1231465	0	0
217365	Nploc4	-0.072	0.136	0.004	0	0	0	0	0	0	NM_199469	nuclear protein localization 4 homolog (S. cerevisiae) (Nploc4), mRNA.	Mme-M300012308	ILMN_2759770	0	0
18148	Npm1	0.361	0.172	0.055	0	0	0	0	0	0	NM_008722	nucleophosmin 1 (Npm1), mRNA.	Mme-M300012771	ILMN_2970473	0	0
328440	Npm2	-0.083	0.074	0.023	0	0	0	0	0	0	NM_181345	nucleophosmin/nucleoplasmin 2 (Npm2), mRNA.	Mme-M300018737	ILMN_2704678	0	0
18150	Npm3	0.365	-0.037	-0.148	0	0	0	0	0	0	NM_008723	nucleoplasmin 3 (Npm3), mRNA.	Mme-M400005434	ILMN_3020829	0	0
114249	Npnt	0.087	-0.066	-0.047	0	0	0	0	0	0	NM_001029836	nephronectin (Npnt), transcript variant 2, mRNA.	Mme-M200013060	ILMN_1252248	0	0
230899	Nppa	-0.084	-0.023	-0.015	0	0	0	0	0	0	NM_008725	natriuretic peptide precursor type A (Nppa), mRNA.	Mme-M400002523	ILMN_3161547	0	0
18158	Nppb	-0.274	0.108	-0.174	0	0	0	0	0	0	NM_008726	natriuretic peptide precursor type B (Nppb), mRNA.	Mme-M200001037	ILMN_2726837	0	0
18159	Nppc	0.298	0.022	-0.138	0	0	0	0	0	0	NM_010933	natriuretic peptide precursor type C (Nppc), mRNA.	Mme-M300005000	ILMN_1220857	0	0
18160	Npr1	0.097	0.001	-0.033	0	0	0	0	0	0	NM_008727	natriuretic peptide receptor 1 (Npr1), mRNA.	Mme-M400001042	ILMN_2746305	0	0
230103	Npr2	0.073	0.002	-0.085	0	0	0	0	0	0	NM_173788	natriuretic peptide receptor 2 (Npr2), mRNA.	Mme-M300006111	ILMN_2696026	0	0
18162	Npr3	0.212	-0.306	-0.149	0	0	0	0	0	0	NM_001039181	natriuretic peptide receptor 3 (Npr3), transcript variant 2, mRNA.	Mme-M400016261	ILMN_2604333	0	0
56032	Nprl2	0.161	-0.114	0.035	0	0	0	0	0	0	NM_018879	tumor suppressor candidate 4 (Tusc4), mRNA.	Mme-M200003036	ILMN_2454195	0	0
17168	Nprl3	-0.048	0.093	-0.133	0	0	0	0	0	0	NM_181569	alpha globin regulatory element containing gene (Mare), mRNA.	Mme-M300002114	ILMN_2879349	0	0
319239	Npsr1	-0.158	-0.067	0.073	0	0	0	0	0	0	NM_175678	neuropeptide S receptor 1 (Npsr1), mRNA.	Mme-M300014724	ILMN_2715057	0	0
20320	Nptn	0.186	-0.101	0.023	0	0	0	0	0	0	NM_009145	neuroplastin (Nptn), mRNA.	Mme-M200003363	ILMN_2907793	0	0
18164	Nptx1	-0.003	0.256	0.043	0	0	0	0	0	0	NM_008730	neuronal pentraxin 1 (Nptx1), mRNA.	Mme-M400000844	ILMN_2604570	0	0
53324	Nptx2	0.077	0.503	0.017	0	1	0	0	0	0	NM_016789	neuronal pentraxin 2 (Nptx2), mRNA.	Mme-M400007045	ILMN_2620406	0	0
60531	Npvf	-0.137	0.005	0.024	0	0	0	0	0	0	NM_021892	neuropeptide VF precursor (Npvf), mRNA.	Mme-M200009919	ILMN_2714406	0	0
381073	Npw	0.204	-0.004	0.034	0	0	0	0	0	0	NM_001099664	neuropeptide W (Npw), mRNA.	Mme-M400003208	ILMN_1258556	0	0
109648	Npy	0.291	0.687	0.074	0	1	0	0	1	0	NM_023456	neuropeptide Y (Npy), mRNA.	Mme-M200009798	ILMN_2946520	1	0
18166	Npy1r	0.157	-0.294	0.118	0	0	0	0	0	0	NM_010934	neuropeptide Y receptor Y1 (Npy1r), mRNA.	Mme-M400001899	ILMN_1259965	0	0
18167	Npy2r	-0.161	-0.009	0.042	0	0	0	0	0	0	NM_008731	neuropeptide Y receptor Y2 (Npy2r), mRNA.	Mme-M300005895	ILMN_3160364	0	0
18168	Npy5r	0.156	0.056	0.014	0	0	0	0	0	0	NM_016708	neuropeptide Y receptor Y5 (Npy5r), mRNA.	Mme-M200002957	ILMN_3002189	0	0
18169	Npy6r	-0.166	-0.176	0.056	0	0	0	0	0	0	NM_010935	neuropeptide Y receptor Y6 (Npy6r), mRNA.	Mme-M200014984	ILMN_2655419	0	0
18104	Nqo1	0.121	0.017	-0.114	0	0	0	0	0	0	NM_008706	NAD(P)H dehydrogenase, quinone 1 (Nqo1), mRNA.	Mme-M200000090	ILMN_2726371	0	0
18105	Nqo2	-0.061	-0.087	0.136	0	0	0	0	0	0	NM_020282	NAD(P)H dehydrogenase, quinone 2 (Nqo2), mRNA.	Mme-M200014465	ILMN_1247930	0	0
11614	Nr0b1	0.131	0.037	0.030	0	0	0	0	0	0	NM_007430	nuclear receptor subfamily 0, group B, member 1 (Nr0b1), mRNA.	Mme-M200002199	ILMN_2615796	0	0
23957	Nr0b2	0.026	-0.028	-0.036	0	0	0	0	0	0	NM_011850	nuclear receptor subfamily 0, group B, member 2 (Nr0b2), mRNA.	Mme-M200007516	ILMN_2717630	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
217166	Nr1d1	0.171	0.401	-0.237	0	0	0	0	0	0	NM_145434	nuclear receptor subfamily 1, group D, member 1 (Nr1d1), mRNA.	Mme-M200012251	ILMN_1229091	0	0
353187	Nr1d2	0.342	-0.095	-0.163	0	0	0	0	0	0	NM_011584	nuclear receptor subfamily 1, group D, member 2 (Nr1d2), mRNA.	Mme-M400011151	ILMN_2798993	0	0
22260	Nr1h2	0.247	0.156	0.123	0	0	0	0	0	0	NM_009473	nuclear receptor subfamily 1, group H, member 2 (Nr1h2), mRNA.	Mme-M300011678	ILMN_2541035	0	0
22259	Nr1h3	0.101	0.199	-0.072	0	0	0	0	0	0	NM_013839	nuclear receptor subfamily 1, group H, member 3 (Nr1h3), mRNA.	Mme-M200004479	ILMN_2663374	0	0
20186	Nr1h4	0.081	0.051	-0.063	0	0	0	0	0	0	NM_009108	nuclear receptor subfamily 1, group H, member 4 (Nr1h4), mRNA.	Mme-M300018477	ILMN_2727013	0	0
381463	Nr1h5	-0.170	-0.028	-0.068	0	0	0	0	0	0	NM_201622	nuclear receptor subfamily 1, group H, member 5 (Nr1h5), transcript variant 5, mRNA.	Mme-M400012612	ILMN_2693605	0	0
18171	Nr1i2	-0.096	-0.118	-0.009	0	0	0	0	0	0	NM_001098404	nuclear receptor subfamily 1, group I, member 2 (Nr1i2), transcript variant 2, mRNA.	Mme-M200002715	ILMN_2645737	0	0
12355	Nr1i3	-0.162	0.049	0.034	0	0	0	0	0	0	NM_009803	nuclear receptor subfamily 1, group I, member 3 (Nr1i3), mRNA.	Mme-M200001178	ILMN_1212992	0	0
22025	Nr2c1	-0.282	0.023	-0.051	0	0	0	0	0	0	NM_011629	nuclear receptor subfamily 2, group C, member 1 (Nr2c1), mRNA.	Mme-M400000115	ILMN_2754266	0	0
22026	Nr2c2	-0.067	-0.129	0.019	0	0	0	0	0	0	NM_011630	nuclear receptor subfamily 2, group C, member 2 (Nr2c2), mRNA.	Mme-M400000114	ILMN_2644074	0	0
75692	Nr2c2ap	0.105	0.025	-0.058	0	0	0	0	0	0	NM_001025587	nuclear receptor 2C2-associated protein (Nr2c2ap), transcript variant 2, mRNA.	Mme-M400013291	ILMN_3084818	0	0
21907	Nr2e1	-0.003	0.014	0.011	0	0	0	0	0	0	NM_152229	nuclear receptor subfamily 2, group E, member 1 (Nr2e1), mRNA.	Mme-M300001837	ILMN_2689177	0	0
23958	Nr2e3	-0.065	-0.006	0.014	0	0	0	0	0	0	NM_013708	nuclear receptor subfamily 2, group E, member 3 (Nr2e3), mRNA.	Mme-M200008569	ILMN_1225079	0	0
13865	Nr2f1	0.098	-0.225	0.103	0	0	0	0	0	0	NM_010151	nuclear receptor subfamily 2, group F, member 1 (Nr2f1), mRNA.	Mme-M400011006	ILMN_2607529	0	0
11819	Nr2f2	-0.165	0.193	0.123	0	0	0	0	0	0	NM_183261	nuclear receptor subfamily 2, group F, member 2 (Nr2f2), transcript variant 2, mRNA.	Mme-M300007293	ILMN_3076625	0	0
13864	Nr2f6	0.040	-0.299	0.119	0	0	0	0	0	0	NM_010150	nuclear receptor subfamily 2, group F, member 6 (Nr2f6), mRNA.	Mme-M300000306	ILMN_1215135	0	0
14815	Nr3c1	0.141	-0.057	0.089	0	0	0	0	0	0	NM_008173	nuclear receptor subfamily 3, group C, member 1 (Nr3c1), mRNA.	Mme-M200002031	ILMN_2740568	0	0
110784	Nr3c2	0.035	0.008	-0.052	0	0	0	0	0	0	NM_001083906	nuclear receptor subfamily 3, group C, member 2 (Nr3c2), mRNA.	Mme-M400001392	ILMN_2648549	0	0
15370	Nr4a1	0.037	-0.045	-0.064	0	0	0	0	0	0	NM_010444	nuclear receptor subfamily 4, group A, member 1 (Nr4a1), mRNA.	Mme-M200000038	ILMN_2701881	0	0
18124	Nr4a3	0.082	0.062	0.058	0	0	0	0	0	0	NM_015743	nuclear receptor subfamily 4, group A, member 3 (Nr4a3), mRNA.	Mme-M200008434	ILMN_2666945	0	0
26423	Nr5a1	0.370	0.101	-0.113	0	0	0	0	0	0	NM_139051	nuclear receptor subfamily 5, group A, member 1 (Nr5a1), mRNA.	Mme-M300005264	ILMN_1254140	0	0
26424	Nr5a2	-0.107	-0.103	-0.037	0	0	0	0	0	0	NM_030676	nuclear receptor subfamily 5, group A, member 2 (Nr5a2), mRNA.	Mme-M300005083	ILMN_2751680	0	0
14536	Nr6a1	-0.105	-0.427	-0.072	0	-1	0	0	0	0	NM_010264	nuclear receptor subfamily 6, group A, member 1 (Nr6a1), mRNA.	Mme-M300005265	ILMN_2739599	0	0
67169	Nradd	0.009	0.170	-0.054	0	0	0	0	0	0	NM_026012	neurotrophin receptor associated death domain (Nradd), mRNA.	Mme-M200014581	ILMN_2690396	0	0
18175	Nrap	0.544	0.449	-0.188	0	1	0	0	0	0	NM_198059	nebulin-related anchoring protein (Nrap), transcript variant 1, mRNA.	Mme-M400012579	ILMN_1235070	0	0
67122	Nrarp	-0.080	0.109	-0.225	0	0	0	0	0	0	NM_025980	Notch-regulated ankyrin repeat protein (Nrarp), mRNA.	Mme-M400011526	ILMN_2596979	0	0
18176	Nras	0.197	-0.072	-0.100	0	0	0	0	0	0	NM_010937	neuroblastoma ras oncogene (Nras), mRNA.	Mme-M200000262	ILMN_2708269	0	0
192292	Nrbp1	0.068	0.169	-0.038	0	0	0	0	0	0	NM_147201	nuclear receptor binding protein 1 (Nrbp1), mRNA.	Mme-M200004273	ILMN_1229702	0	0
223649	Nrbp2	-0.132	-0.116	0.084	0	0	0	0	0	0	NM_144847	nuclear receptor binding protein 2 (Nrbp2), mRNA.	Mme-M200009916	ILMN_2594031	0	0
319504	Nrcam	-0.105	0.271	-0.072	0	0	0	0	0	0	NM_176930	neuron-glia-CAM-related cell adhesion molecule (Nrcam), mRNA.	Mme-M300017004	ILMN_1245780	0	0
230598	Nrd1	0.077	0.014	-0.015	0	0	0	0	0	0	NM_146150	nardilysin, N-arginine dibasic convertase, NRD convertase 1 (Nrd1), mRNA.	Mme-M400004491	ILMN_1243112	0	0
217827	Nrde2	0.194	0.044	0.026	0	0	0	0	0	0	XM_484171	PREDICTED: cDNA sequence BC002230, transcript variant 1 (BC002230), mRNA.	Mme-M200007762	ILMN_1248444	0	0
27528	Nrep	0.245	0.013	-0.102	0	0	0	0	0	0	NM_001109990	DNA segment, human D4S114 (D0H4S114), transcript variant 4, mRNA.	Mme-M400011759	ILMN_2680054	0	0
18181	Nrf1	0.218	-0.180	-0.013	0	0	0	0	0	0	NM_010938	nuclear respiratory factor 1 (Nrf1), mRNA.	Mme-M300006863	ILMN_1251184	0	0
211323	Nrg1	-0.104	-0.296	-0.021	0	0	0	0	0	0	NM_178591	neuregulin 1 (Nrg1), mRNA.	Mme-M300007807	ILMN_1225579	0	0
18183	Nrg3	-0.042	0.046	-0.005	0	0	0	0	0	0	NM_008734	neuregulin 3 (Nrg3), mRNA.	Mme-M200002312	ILMN_2750172	0	0
83961	Nrg4	-0.273	-0.173	-0.087	0	0	0	0	0	0	NM_032002	neuregulin 4 (Nrg4), mRNA.	Mme-M300008183	ILMN_1220275	0	0
64011	Nrgn	0.249	0.484	0.005	0	1	0	0	0	0	NM_022029	neurogranin (Nrgn), mRNA.	Mme-M400004424	ILMN_2645071	0	0
268903	Nrip1	0.343	0.020	-0.067	0	0	0	0	0	0	NM_173440	nuclear receptor interacting protein 1 (Nrip1), mRNA.	Mme-M200003989	ILMN_2677483	0	0
60345	Nrip2	-0.161	0.156	-0.109	0	0	0	0	0	0	NM_021717	nuclear receptor interacting protein 2 (Nrip2), mRNA.	Mme-M200012897	ILMN_2816690	0	0
78593	Nrip3	-0.126	-0.072	0.088	0	0	0	0	0	0	NM_020610	nuclear receptor interacting protein 3 (Nrip3), mRNA.	Mme-M300007538	ILMN_2875404	0	0
27206	Nrk	-0.151	-0.013	0.043	0	0	0	0	0	0	NM_013724	Nik related kinase (Nrk), mRNA.	Mme-M200016022	ILMN_1220907	0	0
18185	Nrl	-0.033	0.078	0.026	0	0	0	0	0	0	NM_008736	neural retina leucine zipper gene (Nrl), mRNA.	Mme-M300012774	ILMN_2754407	0	0
106582	Nrm	0.344	0.058	-0.016	0	0	0	0	0	0	NM_134122	nurim (nuclear envelope membrane protein) (Nrm), mRNA.	Mme-M200003616	ILMN_2733524	0	0
68404	Nrn1	-0.121	-0.013	0.062	0	0	0	0	0	0	NM_153529	neuritin 1 (Nrn1), mRNA.	Mme-M200008301	ILMN_2699052	0	0
234700	Nrn1l	-0.070	-0.233	-0.050	0	0	0	0	0	0	NM_175024	neuritin 1-like (Nrn1l), mRNA.	Mme-M300015315	ILMN_2655905	0	0
18186	Nrp1	0.184	0.127	0.081	0	0	0	0	0	0	NM_008737	neuropilin 1 (Nrp1), mRNA.	Mme-M300004780	ILMN_2669912	0	0
18187	Nrp2	0.043	0.156	0.084	0	0	0	0	0	0	NM_001077405	neuropilin 2 (Nrp2), transcript variant 4, mRNA.	Mme-M400008645	ILMN_2766737	0	0
224109	Nrros	0.254	0.469	0.065	0	1	0	0	0	0	NM_146069	leucine rich repeat containing 33 (Lrrc33), mRNA.	Mme-M400004097	ILMN_2634235	0	0
22360	Nrsn1	0.324	0.014	-0.032	0	0	0	0	0	0	NM_009513	neurensin 1 (Nrsn1), mRNA.	Mme-M200001939	ILMN_1231196	0	0
228777	Nrsn2	-0.114	0.471	-0.113	0	1	0	0	0	0	NM_001009948	neurensin 2 (Nrsn2), mRNA.	Mme-M400006773	ILMN_2812599	0	0
18188	Nrtn	-0.213	-0.122	-0.071	0	0	0	0	0	0	NM_008738	neurturin (Nrtn), mRNA.	Mme-M200002676	ILMN_2655498	0	0
18189	Nrxn1	0.194	0.065	-0.206	0	0	0	0	0	0	NM_020252	neurexin I (Nrxn1), mRNA.	Mme-M300013350	ILMN_2636528	0	0
18190	Nrxn2	-0.303	0.193	-0.126	0	0	0	0	0	0	NM_020253	neurexin II (Nrxn2), mRNA.	Mme-M400009112	ILMN_3015003	0	0
18191	Nrxn3	0.013	0.364	-0.100	0	0	0	0	0	0	NM_172544	neurexin III (Nrxn3), mRNA.	Mme-M300016334	ILMN_2763404	0	0
59050	Nsa2	0.282	0.167	0.259	0	0	0	0	0	0	NM_021552	RIKEN cDNA 5730427N09 gene (5730427N09Rik), mRNA.	Mme-M400008906	ILMN_2531208	0	0
18193	Nsd1	-0.057	-0.147	0.386	0	0	1	0	0	0	NM_008739	nuclear receptor-binding SET-domain protein 1 (Nsd1), mRNA.	Mme-M300009553	ILMN_1231734	0	0
18194	Nsdhl	0.187	-0.113	0.237	0	0	0	0	0	0	NM_010941	NAD(P) dependent steroid dehydrogenase-like (Nsdhl), mRNA.	Mme-M200008113	ILMN_2725402	0	0
18195	Nsf	-0.159	-0.071	0.032	0	0	0	0	0	0	NM_008740	N-ethylmaleimide sensitive fusion protein (Nsf), mRNA.	Mme-M200004784	ILMN_2760629	0	0
386649	Nsfl1c	-0.098	0.039	-0.025	0	0	0	0	0	0	NM_198326	NSFL1 (p97) cofactor (p47) (Nsfl1c), mRNA.	Mme-M300005648	ILMN_1254302	0	0
18196	Nsg1	0.128	-0.034	-0.002	0	0	0	0	0	0	NM_010942	neuron specific gene family member 1 (Nsg1), mRNA.	Mme-M200002544	ILMN_2626345	0	0
18197	Nsg2	-0.103	0.232	-0.063	0	0	0	0	0	0	NM_008741	neuron specific gene family member 2 (Nsg2), mRNA.	Mme-M400010856	ILMN_1220739	0	0
381318	Nsl1	-0.065	0.039	-0.129	0	0	0	0	0	0	NM_198654	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae) (Nsl1), mRNA.	Mme-M300005213	ILMN_2617071	0	0
18201	Nsmaf	0.033	0.078	0.031	0	0	0	0	0	0	NM_010945	neutral sphingomyelinase (N-SMase) activation associated factor (Nsmaf), mRNA.	Mme-M200001168	ILMN_2688569	0	0
67711	Nsmce1	0.328	0.238	0.318	0	0	1	0	0	0	NM_026330	non-SMC element 1 homolog (S. cerevisiae) (Nsmce1), mRNA.	Mme-M300007402	ILMN_1248637	0	0
68501	Nsmce2	0.045	0.109	-0.060	0	0	0	0	0	0	NM_026746	non-SMC element 2 homolog (MMS21, S. cerevisiae) (Nsmce2), mRNA.	Mme-M300014521	ILMN_1255898	0	0
67872	Nsmce4a	0.443	-0.042	0.034	0	0	0	0	0	0	XM_133876	PREDICTED: non-SMC element 4 homolog A (S. cerevisiae), transcript variant 1 (Nsmce4a), mRNA.	Mme-M300012611	ILMN_2509457	0	0
56876	Nsmf	0.147	0.218	0.071	0	0	0	0	0	0	NM_020276	nasal embryonic LHRH factor (Nelf), transcript variant 3, mRNA.	Mme-M200013973	ILMN_2657467	0	0
28114	Nsun2	0.076	0.017	0.004	0	0	0	0	0	0	NM_145354	NOL1/NOP2/Sun domain family 2 (Nsun2), mRNA.	Mme-M200013076	ILMN_2624176	0	0
72181	Nsun4	-0.305	0.029	-0.021	0	0	0	0	0	0	NM_028142	NOL1/NOP2/Sun domain family, member 4 (Nsun4), mRNA.	Mme-M300006242	ILMN_1244070	0	0
100609	Nsun5	-0.335	0.075	-0.105	0	0	0	0	0	0	NM_145414	NOL1/NOP2/Sun domain family, member 5 (Nsun5), mRNA.	Mme-M400011893	ILMN_1219921	0	0
74455	Nsun6	0.127	0.011	0.029	0	0	0	0	0	0	NM_028950	NOL1/NOP2/Sun domain family 6 (Nsun6), mRNA.	Mme-M300014964	ILMN_1260106	0	0
70918	Nsun7	-0.134	-0.036	-0.038	0	0	0	0	0	0	NM_027602	NOL1/NOP2/Sun domain family, member 7 (Nsun7), mRNA.	Mme-M200014696	ILMN_2730013	0	0
50773	Nt5c	0.173	-0.080	-0.138	0	0	0	0	0	0	NM_015807	5',3'-nucleotidase, cytosolic (Nt5c), mRNA.	Mme-M200013717	ILMN_1223097	0	0
230718	Nt5c1a	0.149	0.079	0.016	0	0	0	0	0	0	NM_001085502	5'-nucleotidase, cytosolic IA (Nt5c1a), mRNA.	Mme-M400004996	ILMN_1226934	0	0
70881	Nt5c1b	-0.024	0.014	0.050	0	0	0	0	0	0	NM_027588	5'-nucleotidase, cytosolic IB (Nt5c1b), mRNA.	Mme-M400000397	ILMN_2669801	0	0
76952	Nt5c2	0.260	-0.093	-0.083	0	0	0	0	0	0	NM_029810	5'-nucleotidase, cytosolic II (Nt5c2), mRNA.	Mme-M200006556	ILMN_2674822	0	0
107569	Nt5c3	0.335	0.124	0.011	0	0	0	0	0	0	NM_026004	5'-nucleotidase, cytosolic III (Nt5c3), mRNA.	Mme-M300006870	ILMN_2603081	0	0
68106	Nt5c3b	-0.055	0.111	-0.060	0	0	0	0	0	0	NM_026561	5'-nucleotidase, cytosolic III-like (Nt5c3l), transcript variant 2, mRNA.	Mme-M300001557	ILMN_2708357	0	0
319638	Nt5dc1	0.189	-0.056	0.053	0	0	0	0	0	0	NM_176968	5'-nucleotidase domain containing 1 (Nt5dc1), mRNA.	Mme-M300012198	ILMN_1220423	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70021	Nt5dc2	0.229	-0.320	-0.102	0	0	0	0	0	0	NM_027289	5'-nucleotidase domain containing 2 (Nt5dc2), mRNA.	Mme-M400007297	ILMN_2660519	0	0
103466	Nt5dc3	0.179	0.016	0.015	0	0	0	0	0	0	NM_175331	5'-nucleotidase domain containing 3 (Nt5dc3), mRNA.	Mme-M400006361	ILMN_1229437	0	0
23959	Nt5e	0.136	-0.160	-0.170	0	0	0	0	0	0	NM_011851	5' nucleotidase, ecto (Nt5e), mRNA.	Mme-M200014866	ILMN_2813830	0	0
103850	Nt5m	-0.200	-0.112	-0.129	0	0	0	0	0	0	NM_134029	5',3'-nucleotidase, mitochondrial (Nt5m), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013736	ILMN_1216748	0	0
18203	Ntan1	0.177	0.108	0.075	0	0	0	0	0	0	NM_010946	N-terminal Asn amidase (Ntan1), mRNA.	Mme-M200012028	ILMN_2888742	0	0
18205	Ntf3	0.058	0.017	0.066	0	0	0	0	0	0	NM_008742	neurotrophin 3 (Ntf3), mRNA.	Mme-M200013413	ILMN_2760161	0	0
78405	Ntf5	-0.185	-0.047	-0.036	0	0	0	0	0	0	NM_198190	neurotrophin 5 (Ntf5), mRNA.	Mme-M300017310	ILMN_2768390	0	0
18207	Nthl1	0.114	-0.132	0.032	0	0	0	0	0	0	NM_008743	nth (endonuclease III)-like 1 (E.coli) (Nthl1), mRNA.	Mme-M200009554	ILMN_1238562	0	0
235106	Ntm	-0.095	0.327	-0.111	0	0	0	0	0	0	NM_172290	neurotrimin (Hnt), mRNA.	Mme-M400007041	ILMN_2681195	0	0
66617	Ntmt1	0.095	0.030	0.012	0	0	0	0	0	0	NM_170592	RIKEN cDNA 2610205E22 gene (2610205E22Rik), mRNA.	Mme-M200007325	ILMN_1258657	0	0
18208	Ntn1	-0.049	0.016	-0.069	0	0	0	0	0	0	NM_008744	netrin 1 (Ntn1), mRNA.	Mme-M200008169	ILMN_1239673	0	0
18209	Ntn3	-0.093	-0.109	-0.169	0	0	0	0	0	0	NM_010947	netrin 2-like (chicken) (Ntn2l), mRNA.	Mme-M200008388	ILMN_1220826	0	0
57764	Ntn4	0.212	0.024	0.126	0	0	0	0	0	0	NM_021320	netrin 4 (Ntn4), mRNA.	Mme-M300001955	ILMN_2959863	0	0
243967	Ntn5	-0.227	-0.167	-0.078	0	0	0	0	0	0	NM_001033356	gene model 484, (NCBI) (Gm484), mRNA.	Mme-M300012621	ILMN_2903169	0	0
80883	Ntng1	-0.087	-0.116	0.083	0	0	0	0	0	0	NM_030699	netrin G1 (Ntng1), mRNA.	Mme-M300005797	ILMN_2645263	0	0
171171	Ntng2	-0.296	0.069	-0.037	0	0	0	0	0	0	NM_133500	netrin G2 (Ntng2), transcript variant a, mRNA.	Mme-M200008365	ILMN_2701485	0	0
66566	Ntpcr	0.143	0.118	-0.109	0	0	0	0	0	0	NM_025636	RIKEN cDNA 2310079N02 gene (2310079N02Rik), mRNA.	Mme-M200005095	ILMN_2635801	0	0
18211	Ntrk1	-0.140	-0.036	-0.199	0	0	0	0	0	0	NM_001033124	neurotrophic tyrosine kinase, receptor, type 1 (Ntrk1), mRNA.	Mme-M400001057	ILMN_2727220	0	0
18212	Ntrk2	-0.077	0.244	-0.049	0	0	0	0	0	0	NM_001025074	neurotrophic tyrosine kinase, receptor, type 2 (Ntrk2), transcript variant 1, mRNA.	Mme-M400008890	ILMN_3138904	0	0
18213	Ntrk3	-0.040	-0.400	0.102	0	0	0	0	0	0	NM_182809	neurotrophic tyrosine kinase, receptor, type 3 (Ntrk3), transcript variant 2, mRNA.	Mme-M300016051	ILMN_2599036	0	0
67405	Nts	-0.180	0.035	-0.091	0	0	0	0	0	0	NM_024435	neurotensin (Nts), mRNA.	Mme-M300001874	ILMN_2929906	0	0
18216	Ntsr1	0.062	0.222	0.016	0	0	0	0	0	0	NM_018766	neurotensin receptor 1 (Ntsr1), mRNA.	Mme-M200003893	ILMN_2639572	0	0
18217	Ntsr2	0.200	0.234	-0.043	0	0	0	0	0	0	NM_008747	neurotensin receptor 2 (Ntsr2), mRNA.	Mme-M300002259	ILMN_2769234	0	0
77976	Nuak1	0.199	-0.113	-0.095	0	0	0	0	0	0	NM_001004363	NUAK family, SNF1-like kinase, 1 (Nuak1), mRNA.	Mme-M300001964	ILMN_2928720	0	0
74137	Nuak2	-0.100	0.540	0.258	0	1	0	0	0	0	NM_028778	NUAK family, SNF1-like kinase, 2 (Nuak2), mRNA.	Mme-M200008415	ILMN_2680038	0	0
53312	Nub1	0.246	0.210	0.041	0	0	0	0	0	0	NM_016736	negative regulator of ubiquitin-like proteins 1 (Nub1), mRNA.	Mme-M200002273	ILMN_2765080	0	0
26425	Nubp1	0.023	0.033	-0.117	0	0	0	0	0	0	NM_011955	nucleotide binding protein 1 (Nubp1), mRNA.	Mme-M200006288	ILMN_2765400	0	0
26426	Nubp2	0.069	0.198	0.110	0	0	0	0	0	0	NM_011956	nucleotide binding protein 2 (Nubp2), mRNA.	Mme-M200007883	ILMN_2925570	0	0
18220	Nucb1	-0.034	0.133	-0.164	0	0	0	0	0	0	NM_008749	nucleobindin 1 (Nucb1), mRNA.	Mme-M200000864	ILMN_2639809	0	0
98415	Nucks1	-0.027	0.096	-0.036	0	0	0	0	0	0	NM_175294	nuclear casein kinase and cyclin-dependent kinase substrate 1 (Nucks1), mRNA.	Mme-M300005104	ILMN_2960214	0	0
18221	Nudc	0.072	0.089	-0.318	0	0	-1	0	0	0	NM_010948	nuclear distribution gene C homolog (Aspergillus) (Nudc), mRNA.	Mme-M300006331	ILMN_1249749	0	0
67429	Nudcd1	-0.027	0.082	-0.062	0	0	0	0	0	0	NM_001113554	NudC domain containing 1 (Nudcd1), transcript variant 2, mRNA.	Mme-M300011743	ILMN_2634015	0	0
52653	Nudcd2	-0.083	-0.062	0.063	0	0	0	0	0	0	NM_026023	NudC domain containing 2 (Nudcd2), mRNA.	Mme-M300002140	ILMN_2751228	0	0
209586	Nudcd3	0.208	-0.083	-0.018	0	0	0	0	0	0	NM_173748	NudC domain containing 3 (Nudcd3), mRNA.	Mme-M400004609	ILMN_2837226	0	0
17766	Nudt1	0.164	-0.019	-0.020	0	0	0	0	0	0	NM_008637	nudix (nucleoside diphosphate linked moiety X)-type motif 1 (Nudt1), mRNA.	Mme-M200000959	ILMN_2880623	0	0
102954	Nudt10	-0.068	-0.372	0.005	0	0	0	0	0	0	NM_001031664	nudix (nucleoside diphosphate linked moiety X)-type motif 10 (Nudt10), mRNA.	Mme-M400009697	ILMN_2974709	0	0
58242	Nudt11	-0.023	-0.042	-0.084	0	0	0	0	0	0	NM_021431	nudix (nucleoside diphosphate linked moiety X)-type motif 11 (Nudt11), mRNA.	Mme-M400009696	ILMN_2615810	0	0
67993	Nudt12	-0.114	-0.202	-0.003	0	0	0	0	0	0	NM_026497	nudix (nucleoside diphosphate linked moiety X)-type motif 12 (Nudt12), mRNA.	Mme-M200007863	ILMN_2635813	0	0
67725	Nudt13	-0.274	-0.079	-0.027	0	0	0	0	0	0	NM_026341	nudix (nucleoside diphosphate linked moiety X)-type motif 13 (Nudt13), mRNA.	Mme-M300002962	ILMN_1244214	0	0
66174	Nudt14	-0.111	-0.063	0.019	0	0	0	0	0	0	NM_025399	nudix (nucleoside diphosphate linked moiety X)-type motif 14 (Nudt14), mRNA.	Mme-M200002478	ILMN_2660364	0	0
214254	Nudt15	-0.589	0.039	0.094	0	0	0	0	0	0	NM_172527	nudix (nucleoside diphosphate linked moiety X)-type motif 15 (Nudt15), mRNA.	Mme-M400008948	ILMN_2737794	0	0
75686	Nudt16	0.058	-0.023	0.023	0	0	0	0	0	0	NM_029385	nudix (nucleoside diphosphate linked moiety X)-type motif 16 (Nudt16), mRNA.	Mme-M400011670	ILMN_2629030	0	0
66911	Nudt16l1	0.123	0.048	0.099	0	0	0	0	0	0	NM_025839	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1 (Nudt16l1), mRNA.	Mme-M300003327	ILMN_2767227	0	0
213484	Nudt18	0.221	0.036	-0.041	0	0	0	0	0	0	NM_153136	nudix (nucleoside diphosphate linked moiety X)-type motif 18 (Nudt18), mRNA.	Mme-M300016182	ILMN_2489240	0	0
110959	Nudt19	0.428	0.024	-0.072	0	0	0	0	0	0	NM_033080	nudix (nucleoside diphosphate linked moiety X)-type motif 19 (Nudt19), mRNA.	Mme-M400011733	ILMN_2746906	0	0
66401	Nudt2	0.117	0.020	-0.176	0	0	0	0	0	0	NM_025539	nudix (nucleoside diphosphate linked moiety X)-type motif 2 (Nudt2), mRNA.	Mme-M200006074	ILMN_1259148	0	0
68219	Nudt21	0.275	0.012	0.153	0	0	0	0	0	0	NM_026623	nudix (nucleoside diphosphate linked moiety X)-type motif 21 (Nudt21), mRNA.	Mme-M300012261	ILMN_1234759	0	0
68323	Nudt22	0.062	0.051	-0.233	0	0	0	0	0	0	NM_026675	nudix (nucleoside diphosphate linked moiety X)-type motif 22 (Nudt22), mRNA.	Mme-M200013668	ILMN_1227723	0	0
56409	Nudt3	0.174	-0.069	-0.034	0	0	0	0	0	0	NM_019837	nudix (nucleotide diphosphate linked moiety X)-type motif 3 (Nudt3), mRNA.	Mme-M200016350	ILMN_2640718	0	0
71207	Nudt4	0.011	-0.198	0.226	0	0	0	0	0	0	NM_027722	nudix (nucleoside diphosphate linked moiety X)-type motif 4 (Nudt4), mRNA.	Mme-M200004881	ILMN_1252730	0	0
53893	Nudt5	0.085	0.099	-0.027	0	0	0	0	0	0	NM_016918	nudix (nucleoside diphosphate linked moiety X)-type motif 5 (Nudt5), mRNA.	Mme-M200012978	ILMN_1213725	0	0
229228	Nudt6	0.230	-0.033	0.059	0	0	0	0	0	0	NM_153561	nudix (nucleoside diphosphate linked moiety X)-type motif 6 (Nudt6), mRNA.	Mme-M300020885	ILMN_1253773	0	0
67528	Nudt7	0.374	-0.266	0.092	0	0	0	0	0	0	NM_024446	nudix (nucleoside diphosphate linked moiety X)-type motif 7 (Nudt7), transcript variant 2, mRNA.	Mme-M300007886	ILMN_2773276	0	0
66387	Nudt8	0.311	-0.147	-0.125	0	0	0	0	0	0	NM_025529	nudix (nucleoside diphosphate linked moiety X)-type motif 8 (Nudt8), mRNA.	Mme-M200014026	ILMN_2617305	0	0
74167	Nudt9	0.076	-0.139	0.062	0	0	0	0	0	0	NM_028794	nudix (nucleoside diphosphate linked moiety X)-type motif 9 (Nudt9), mRNA.	Mme-M300006602	ILMN_2683802	0	0
66977	Nuf2	0.104	-0.087	-0.096	0	0	0	0	0	0	NM_023284	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae) (Nuf2), mRNA.	Mme-M300005239	ILMN_2755241	0	0
27275	Nufip1	0.214	0.082	-0.135	0	0	0	0	0	0	NM_013745	nuclear fragile X mental retardation protein interacting protein 1 (Nufip1), mRNA.	Mme-M200004066	ILMN_2907093	0	0
68564	Nufip2	0.260	0.038	-0.220	0	0	0	0	0	0	NM_001024205	nuclear fragile X mental retardation protein interacting protein 2 (Nufip2), mRNA.	Mme-M400015136	ILMN_2498813	0	0
101706	Numa1	0.406	0.247	-0.053	0	0	0	0	0	0	NM_133947	nuclear mitotic apparatus protein 1 (Numa1), mRNA.	Mme-M400011829	ILMN_2735625	0	0
18222	Numb	0.166	0.209	-0.066	0	0	0	0	0	0	NM_010949	numb gene homolog (Drosophila) (Numb), mRNA.	Mme-M300002636	ILMN_2678576	0	0
18223	Numbl	0.086	0.116	-0.049	0	0	0	0	0	0	NM_010950	numb-like (Numbl), mRNA.	Mme-M400011088	ILMN_1221506	0	0
103468	Nup107	0.228	0.029	-0.028	0	0	0	0	0	0	NM_134010	nucleoporin 107 (Nup107), mRNA.	Mme-M200003103	ILMN_2693535	0	0
234865	Nup133	0.023	0.176	0.059	0	0	0	0	0	0	NM_172288	nucleoporin 133 (Nup133), mRNA.	Mme-M300012215	ILMN_2654013	0	0
218210	Nup153	-0.101	-0.035	0.111	0	0	0	0	0	0	NM_175749	nucleoporin 153 (Nup153), mRNA.	Mme-M300002729	ILMN_2703583	0	0
170762	Nup155	-0.359	-0.168	-0.103	0	0	0	0	0	0	NM_133227	nucleoporin 155 (Nup155), mRNA.	Mme-M200007100	ILMN_1235035	0	0
59015	Nup160	0.015	0.012	0.029	0	0	0	0	0	0	NM_021512	nucleoporin 160 (Nup160), mRNA.	Mme-M200005064	ILMN_2756716	0	0
227699	Nup188	0.133	-0.065	-0.002	0	0	0	0	0	0	NM_198304	nucleoporin 188 (Nup188), mRNA.	Mme-M300012250	ILMN_2608276	0	0
70699	Nup205	0.264	-0.097	0.049	0	0	0	0	0	0	XM_133073	PREDICTED: nucleoporin 205, transcript variant 1 (Nup205), mRNA.	Mme-M300011747	ILMN_2602855	0	0
54563	Nup210	-0.051	0.145	0.277	0	0	0	0	0	0	NM_018815	nucleoporin 210 (Nup210), mRNA.	Mme-M200005863	ILMN_1257579	0	0
77595	Nup210l	-0.366	0.024	-0.076	0	0	0	0	0	0	XM_622896	PREDICTED: nucleoporin 210-like (Nup210l), mRNA.	Mme-M300005847	ILMN_1231456	0	0
227720	Nup214	-0.008	0.158	-0.055	0	0	0	0	0	0	NM_172268	nucleoporin 214 (Nup214), mRNA.	Mme-M300000236	ILMN_1240083	0	0
69482	Nup35	0.112	0.107	0.016	0	0	0	0	0	0	NM_027091	nucleoporin 35 (Nup35), mRNA.	Mme-M300005430	ILMN_2421046	0	0
69736	Nup37	0.126	0.046	0.092	0	0	0	0	0	0	NM_027191	nucleoporin 37 (Nup37), mRNA.	Mme-M400011596	ILMN_1217430	0	0
69912	Nup43	0.198	-0.007	-0.175	0	0	0	0	0	0	NM_145706	nucleoporin 43 (Nup43), mRNA.	Mme-M200006297	ILMN_1250574	0	0
18141	Nup50	0.089	-0.090	-0.069	0	0	0	0	0	0	NM_016714	nucleoporin 50 (Nup50), mRNA.	Mme-M200011896	ILMN_2748839	0	0
269113	Nup54	-0.135	0.175	0.017	0	0	0	0	0	0	NM_183392	nucleoporin 54 (Nup54), mRNA.	Mme-M300009565	ILMN_2709901	0	0
18226	Nup62	0.240	0.032	0.051	0	0	0	0	0	0	NM_053074	nucleoporin 62 (Nup62), mRNA.	Mme-M200004477	ILMN_1235500	0	0
445007	Nup85	0.052	0.256	-0.011	0	0	0	0	0	0	NM_001002929	nucleoporin 85 (Nup85), mRNA.	Mme-M300002371	ILMN_2890574	0	0
19069	Nup88	0.191	0.069	0.029	0	0	0	0	0	0	NM_172394	nucleoporin 88 (Nup88), transcript variant 1, mRNA.	Mme-M400002421	ILMN_3108109	0	0
71805	Nup93	0.076	-0.048	-0.040	0	0	0	0	0	0	NM_172410	nucleoporin 93 (Nup93), mRNA.	Mme-M200007884	ILMN_2758695	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
269966	Nup98	0.143	-0.045	0.083	0	0	0	0	0	0	NM_022979	nucleoporin 98 (Nup98), mRNA.	Mme-M400008322	ILMN_2904083	0	0
71844	Nupl1	-0.062	0.078	0.099	0	0	0	0	0	0	NM_170591	nucleoporin like 1 (Nupl1), mRNA.	Mme-M200003644	ILMN_2635024	0	0
231042	Nupl2	0.121	-0.055	-0.085	0	0	0	0	0	0	NM_153092	nucleoporin like 2 (Nupl2), mRNA.	Mme-M200014275	ILMN_2712994	0	0
56312	Nupr1	0.353	-0.372	0.115	0	0	0	0	0	0	NM_019738	nuclear protein 1 (Nupr1), mRNA.	Mme-M200003674	ILMN_2742042	0	0
52014	Nus1	0.074	-0.068	-0.024	0	0	0	0	0	0	NM_030250	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae) (Nus1), mRNA.	Mme-M200012508	ILMN_2614895	0	0
108907	Nusap1	-0.069	0.175	0.433	0	0	1	0	0	1	NM_001042652	nucleolar and spindle associated protein 1 (Nusap1), transcript variant 2, mRNA.	Mme-M300005573	ILMN_2653765	1	0
68051	Nutf2	0.291	0.185	-0.104	0	0	0	0	0	0	NM_026532	nuclear transport factor 2 (Nutf2), mRNA.	Mme-M200012559	ILMN_2677092	0	0
213765	Nutm1	-0.115	0.049	0.039	0	0	0	0	0	0	NM_172521	nuclear protein in testis (Nut), mRNA.	Mme-M300013134	ILMN_2751769	0	0
328250	Nutm2	0.030	-0.070	0.099	0	0	0	0	0	0	NM_001033400	gene model 806, (NCBI) (Gm806), mRNA.	Mme-M400002060	ILMN_1224229	0	0
67459	Nvl	0.106	0.040	0.047	0	0	0	0	0	0	NM_026171	nuclear VCP-like (Nvl), mRNA.	Mme-M200009364	ILMN_2936954	0	0
319555	Nwd1	-0.091	0.197	-0.129	0	0	0	0	0	0	NM_176940	NACHT and WD repeat domain containing 1 (Nwd1), mRNA.	Mme-M300018971	ILMN_1253932	0	0
53319	Nxf1	0.084	0.083	0.074	0	0	0	0	0	0	NM_016813	nuclear RNA export factor 1 homolog (S. cerevisiae) (Nxf1), mRNA.	Mme-M300001088	ILMN_1254333	0	0
83454	Nxf2	0.185	0.038	0.061	0	0	0	0	0	0	NM_031259	nuclear RNA export factor 2 (Nxf2), mRNA.	Mme-M300001076	ILMN_2655484	0	0
245610	Nxf3	-0.045	0.005	-0.101	0	0	0	0	0	0	NM_001024141	nuclear RNA export factor 3 (Nxf3), mRNA.	Mme-M400005728	ILMN_2987965	0	0
170722	Nxf7	-0.165	-0.003	-0.055	0	0	0	0	0	0	NM_130888	nuclear RNA export factor 7 (Nxf7), mRNA.	Mme-M300007703	ILMN_2629335	0	0
18230	Nxn	0.065	-0.193	0.093	0	0	0	0	0	0	NM_008750	nucleoredoxin (Nxn), mRNA.	Mme-M200005750	ILMN_2677472	0	0
234404	Nxnl1	-0.124	-0.081	-0.079	0	0	0	0	0	0	NM_145598	nucleoredoxin-like 1 (Nxnl1), mRNA.	Mme-M200013272	ILMN_1220574	0	0
75124	Nxnl2	-0.117	-0.312	-0.085	0	0	0	0	0	0	NM_029173	nucleoredoxin-like 2 (Nxnl2), mRNA.	Mme-M200011885	ILMN_2702547	0	0
78252	Nxpe2	-0.181	-0.058	0.106	0	0	0	0	0	0	NM_030069	RIKEN cDNA 4432416J03 gene (4432416J03Rik), mRNA.	Mme-M200007129	ILMN_2931918	0	0
244853	Nxpe4	-0.155	-0.017	0.046	0	0	0	0	0	0	NM_172921	RIKEN cDNA D930028F11 gene (D930028F11Rik), mRNA.	Mme-M300015258	ILMN_3004949	0	0
381680	Nxpe5	0.144	-0.051	0.013	0	0	0	0	0	0	NM_001013773	cDNA sequence BC055004 (BC055004), mRNA.	Mme-M300018437	ILMN_1256622	0	0
18232	Nxph2	0.017	0.021	0.045	0	0	0	0	0	0	NM_008752	neurexophilin 2 (Nxph2), mRNA.	Mme-M300020664	ILMN_1251624	0	0
104079	Nxph3	0.299	0.038	0.018	0	0	0	0	0	0	NM_130858	neurexophilin 3 (Nxph3), mRNA.	Mme-M200004545	ILMN_1227583	0	0
104080	Nxph4	0.064	0.164	-0.071	0	0	0	0	0	0	NM_183297	neurexophilin 4 (Nxph4), mRNA.	Mme-M300012573	ILMN_2648687	0	0
56488	Nxt1	0.062	0.019	-0.030	0	0	0	0	0	0	NM_019761	NTF2-related export protein 1 (Nxt1), transcript variant 2, mRNA.	Mme-M400001965	ILMN_2975041	0	0
237082	Nxt2	0.203	-0.137	0.110	0	0	0	0	0	0	NM_172782	nuclear transport factor 2-like export factor 2 (Nxt2), mRNA.	Mme-M300013607	ILMN_1245658	0	0
243300	Nyap1	-0.086	0.184	0.033	0	0	0	0	0	0	NM_175521	RIKEN cDNA 6430598A04 gene (6430598A04Rik), mRNA.	Mme-M300016309	ILMN_2621130	0	0
241134	Nyap2	-0.157	-0.016	0.039	0	0	0	0	0	0	NM_172849	RIKEN cDNA 9430031J16 gene (9430031J16Rik), mRNA.	Mme-M400005001	ILMN_3162775	0	0
277154	Nynrin	0.068	-0.043	0.034	0	0	0	0	0	0	XM_001476299	PREDICTED: cDNA sequence BC030046 (BC030046), mRNA.	Mme-M400010016	ILMN_2757940	0	0
236690	Nyx	-0.089	0.016	0.024	0	0	0	0	0	0	NM_173415	nyctalopin (Nyx), mRNA.	Mme-M300021879	ILMN_3090954	0	0
319888	Oacyl	-0.523	-0.022	-0.024	0	0	0	0	0	0	NM_177028	RIKEN cDNA 5330437I02 gene (5330437I02Rik), mRNA.	Mme-M300017502	ILMN_2607333	0	0
102644	Oaf	0.227	-0.156	0.108	0	0	0	0	0	0	NM_178644	OAF homolog (Drosophila) (Oaf), mRNA.	Mme-M300008024	ILMN_2895584	0	0
106821	Oard1	-0.009	-0.077	0.043	0	0	0	0	0	0	NM_207219	expressed sequence AI314976 (AI314976), mRNA.	Mme-M400002435	ILMN_2942000	0	0
246730	Oas1a	0.098	0.145	-0.059	0	0	0	0	0	0	NM_145211	2'-5' oligoadenylate synthetase 1A (Oas1a), mRNA.	Mme-M400009375	ILMN_1255890	0	0
23961	Oas1b	0.062	0.466	0.111	0	1	0	0	0	0	NM_001083925	2'-5' oligoadenylate synthetase 1B (Oas1b), mRNA.	Mme-M300006763	ILMN_2613140	0	0
114643	Oas1c	0.117	-0.014	-0.100	0	0	0	0	0	0	NM_033541	2'-5' oligoadenylate synthetase 1C (Oas1c), mRNA.	Mme-M200013122	ILMN_2801770	0	0
100535	Oas1d	-0.108	0.096	0.049	0	0	0	0	0	0	NM_133893	2'-5' oligoadenylate synthetase 1D (Oas1d), mRNA.	Mme-M300008352	ILMN_2929966	0	0
231699	Oas1e	-0.429	0.045	-0.055	0	0	0	0	0	0	NM_145210	2'-5' oligoadenylate synthetase 1E (Oas1e), mRNA.	Mme-M400011888	ILMN_1228312	0	0
243262	Oas1f	-0.006	0.053	-0.025	0	0	0	0	0	0	NM_145153	2'-5' oligoadenylate synthetase 1F (Oas1f), mRNA.	Mme-M300006761	ILMN_2697677	0	0
246729	Oas1h	-0.158	-0.031	0.010	0	0	0	0	0	0	NM_145228	2'-5' oligoadenylate synthetase 1H (Oas1h), mRNA.	Mme-M300000163	ILMN_1242017	0	0
246728	Oas2	-0.023	0.295	0.159	0	0	0	0	0	0	NM_145227	2'-5' oligoadenylate synthetase 2 (Oas2), mRNA.	Mme-M200002585	ILMN_2670150	0	0
246727	Oas3	-0.146	0.229	0.074	0	0	0	0	0	0	NM_145226	2'-5' oligoadenylate synthetase 3 (Oas3), mRNA.	Mme-M400001484	ILMN_1216020	0	0
231655	Oasl1	-0.168	0.330	0.234	0	0	0	0	0	0	NM_145209	2'-5' oligoadenylate synthetase-like 1 (Oasl1), mRNA.	Mme-M200016125	ILMN_2793464	0	0
23962	Oasl2	0.136	0.776	0.328	0	1	1	0	1	0	NM_011854	2'-5' oligoadenylate synthetase-like 2 (Oasl2), mRNA.	Mme-M300006738	ILMN_2599154	1	0
18242	Oat	0.447	0.034	-0.027	0	0	0	0	0	0	NM_016978	ornithine aminotransferase (Oat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003238	ILMN_2933112	0	0
18245	Oaz1	0.057	-0.027	0.066	0	0	0	0	0	0	NM_008753	ornithine decarboxylase antizyme 1 (Oaz1), mRNA.	Mme-M300009803	ILMN_1255772	0	0
18247	Oaz2	0.045	0.163	0.001	0	0	0	0	0	0	NM_010952	ornithine decarboxylase antizyme 2 (Oaz2), mRNA.	Mme-M400002419	ILMN_2683794	0	0
53814	Oaz3	0.060	-0.023	0.092	0	0	0	0	0	0	NM_016901	ornithine decarboxylase antizyme 3 (Oaz3), mRNA.	Mme-M300005963	ILMN_1237630	0	0
108689	Obfc1	0.287	0.017	-0.077	0	0	0	0	0	0	NM_175360	oligonucleotide/oligosaccharide-binding fold containing 1 (Obfc1), mRNA.	Mme-M300013839	ILMN_2702575	0	0
71468	Obox1	0.091	0.067	-0.065	0	0	0	0	0	0	NM_027802	oocyte specific homeobox 1 (Obox1), mRNA.	Mme-M400011619	ILMN_1239356	0	0
246791	Obox3	-0.157	0.077	0.072	0	0	0	0	0	0	NM_145707	oocyte specific homeobox 3 (Obox3), mRNA.	Mme-M400011912	ILMN_3147577	0	0
252829	Obox5	-0.372	-0.025	0.147	0	0	0	0	0	0	NM_145709	oocyte specific homeobox 5 (Obox5), mRNA.	Mme-M400004776	ILMN_2772986	0	0
252830	Obox6	0.059	0.050	0.029	0	0	0	0	0	0	NM_145710	oocyte specific homeobox 6 (Obox6), mRNA.	Mme-M300013233	ILMN_1220159	0	0
18249	Obp1a	-0.075	0.070	-0.070	0	0	0	0	0	0	NM_008754	odorant binding protein Ia (Obp1a), mRNA.	Mme-M400010858	ILMN_2694682	0	0
227627	Obp2a	-0.013	-0.133	0.023	0	0	0	0	0	0	NM_153558	lipocalin 13 (Lcn13), mRNA.	Mme-M300010375	ILMN_2695360	0	0
383678	Obp2b	-0.068	-0.047	-0.043	0	0	0	0	0	0	NM_001099301	novel lipocalin protein (LOC383678), mRNA.	Mme-M400000972	ILMN_1234176	0	0
18256	Oc90	-0.348	0.079	0.098	0	0	0	0	0	0	NM_010953	otoconin 90 (Oc90), mRNA.	Mme-M300001348	ILMN_1217077	0	0
18431	Oca2	-0.350	-0.076	-0.036	0	0	0	0	0	0	NM_021879	oculocutaneous albinism II (Oca2), mRNA.	Mme-M300007233	ILMN_2475689	0	0
77090	Ocel1	0.097	-0.065	-0.025	0	0	0	0	0	0	NM_029865	occludin/ELL domain containing 1 (Ocel1), mRNA.	Mme-M200006428	ILMN_2667463	0	0
68095	Ociad1	-0.004	0.133	0.029	0	0	0	0	0	0	NM_023429	OCIA domain containing 1 (Ociad1), mRNA.	Mme-M300006520	ILMN_1237183	0	0
433904	Ociad2	0.319	0.175	0.131	0	0	0	0	0	0	NM_026950	OCIA domain containing 2 (Ociad2), mRNA.	Mme-M200008119	ILMN_2482178	0	0
18260	Ocln	0.176	-0.170	0.054	0	0	0	0	0	0	NM_008756	occludin (Ocln), mRNA.	Mme-M300002872	ILMN_1226104	0	0
18261	Ocm	0.059	0.034	-0.047	0	0	0	0	0	0	NM_033039	oncomodulin (Ocm), mRNA.	Mme-M300006776	ILMN_1233351	0	0
320634	Ocrl	0.038	-0.010	-0.101	0	0	0	0	0	0	NM_177215	oculocerebrorenal syndrome of Lowe (Ocrl), mRNA.	Mme-M300000164	ILMN_1244077	0	0
18263	Odc1	0.229	-0.019	-0.029	0	0	0	0	0	0	NM_013614	ornithine decarboxylase, structural 1 (Odc1), mRNA.	Mme-M300001129	ILMN_2714274	0	0
18285	Odf1	-0.342	-0.032	-0.067	0	0	0	0	0	0	NM_008757	outer dense fiber of sperm tails 1 (Odf1), mRNA.	Mme-M200002790	ILMN_2630501	0	0
18286	Odf2	0.266	0.018	0.023	0	0	0	0	0	0	NM_001113213	outer dense fiber of sperm tails 2 (Odf2), transcript variant 1, mRNA.	Mme-M400008190	ILMN_1214166	0	0
52184	Odf2l	0.004	-0.066	-0.074	0	0	0	0	0	0	NM_025714	outer dense fiber of sperm tails 2-like (Odf2l), mRNA.	Mme-M400001072	ILMN_2754626	0	0
69287	Odf3	-0.373	0.069	0.006	0	0	0	0	0	0	NM_027019	outer dense fiber of sperm tails 3 (Odf3), mRNA.	Mme-M200014831	ILMN_1230987	0	0
70113	Odf3b	0.022	-0.189	0.116	0	0	0	0	0	0	NM_001013022	RIKEN cDNA 2010001J22 gene (2010001J22Rik), mRNA.	Mme-M300018240	ILMN_2759088	0	0
382075	Odf3l1	-0.010	0.108	0.069	0	0	0	0	0	0	NM_198673	outer dense fiber of sperm tails 3-like 1 (Odf3l1), mRNA.	Mme-M300016557	ILMN_1226833	0	0
382384	Odf3l2	-0.486	0.092	-0.039	0	0	0	0	0	0	NM_001033473	gene model 1157, (NCBI) (Gm1157), mRNA.	Mme-M300010176	ILMN_2783833	0	0
252868	Odf4	-0.154	-0.116	-0.076	0	0	0	0	0	0	NM_145746	outer dense fiber of sperm tails 4 (Odf4), mRNA.	Mme-M300008511	ILMN_3137813	0	0
237222	Ofd1	0.020	0.042	0.044	0	0	0	0	0	0	NM_177429	oral-facial-digital syndrome 1 gene homolog (human) (Ofd1), mRNA.	Mme-M200007301	ILMN_2708729	0	0
18293	Ogdh	0.297	0.117	-0.155	0	0	0	0	0	0	NM_010956	oxoglutarate dehydrogenase (lipoamide) (Ogdh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006822	ILMN_2639805	0	0
239017	Ogdhl	0.060	0.022	-0.063	0	0	0	0	0	0	NM_001081130	oxoglutarate dehydrogenase-like (Ogdhl), mRNA.	Mme-M400000525	ILMN_2528171	0	0
270086	Ogfod1	0.083	-0.007	0.009	0	0	0	0	0	0	NM_001093757	2-oxoglutarate and iron-dependent oxygenase domain containing 1 (Ogfod1), transcript variant 2, mRNA.	Mme-M300008555	ILMN_2756496	0	0
66627	Ogfod2	0.011	-0.194	-0.112	0	0	0	0	0	0	NM_025671	2-oxoglutarate and iron-dependent oxygenase domain containing 2 (Ogfod2), mRNA.	Mme-M400011506	ILMN_2732896	0	0
66179	Ogfod3	0.039	-0.135	-0.078	0	0	0	0	0	0	NM_025402	RIKEN cDNA 1110031I02 gene (1110031I02Rik), mRNA.	Mme-M300004499	ILMN_2960474	0	0
72075	Ogfr	0.185	0.215	-0.046	0	0	0	0	0	0	NM_031373	opioid growth factor receptor (Ogfr), mRNA.	Mme-M400003550	ILMN_1250450	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
70155	Ogfrl1	-0.014	-0.174	0.141	0	0	0	0	0	0	NM_001081079	opioid growth factor receptor-like 1 (Ogfrl1), mRNA.	Mme-M400000897	ILMN_1236107	0	0
18294	Ogg1	-0.202	0.051	0.084	0	0	0	0	0	0	NM_010957	8-oxoguanine DNA-glycosylase 1 (Ogg1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013998	ILMN_1241289	0	0
18295	Ogn	0.197	-0.234	0.209	0	0	0	0	0	0	NM_008760	osteoglycin (Ogn), mRNA.	Mme-M200001655	ILMN_2740622	0	0
108155	Ogt	0.057	0.114	0.217	0	0	0	0	0	0	NM_139144	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosamin	Mme-M200013110	ILMN_2611676	0	0
70645	Oip5	-0.178	0.030	0.049	0	0	0	0	0	0	NM_001042653	Opa interacting protein 5 (Oip5), mRNA.	Mme-M200011661	ILMN_2762410	0	0
18300	Oit1	-0.085	-0.053	-0.020	0	0	0	0	0	0	NM_146050	oncoprotein induced transcript 1 (Oit1), mRNA.	Mme-M300002930	ILMN_2732163	0	0
18302	Oit3	0.065	-0.047	-0.053	0	0	0	0	0	0	NM_010959	oncoprotein induced transcript 3 (Oit3), mRNA.	Mme-M300001065	ILMN_2781596	0	0
67059	Ola1	-0.151	0.115	0.119	0	0	0	0	0	0	NM_025942	Obg-like ATPase 1 (Ola1), transcript variant 1, mRNA.	Mme-M200004464	ILMN_3163044	0	0
99035	Olah	-0.224	-0.128	-0.005	0	0	0	0	0	0	NM_145921	oleoyl-ACP hydrolase (Olah), mRNA.	Mme-M300005223	ILMN_2859539	0	0
56177	Olfm1	0.019	0.112	-0.093	0	0	0	0	0	0	NM_001038613	olfactomedin 1 (Olfm1), transcript variant 3, mRNA.	Mme-M300005312	ILMN_3091574	0	0
244723	Olfm2	0.236	0.274	-0.117	0	0	0	0	0	0	NM_173777	olfactomedin 2 (Olfm2), mRNA.	Mme-M300008097	ILMN_2660009	0	0
229759	Olfm3	0.362	0.114	-0.093	0	0	0	0	0	0	NM_153458	olfactomedin 3 (Olfm3), transcript variant A, mRNA.	Mme-M400009246	ILMN_2710095	0	0
380924	Olfm4	-0.121	0.197	-0.050	0	0	0	0	0	0	NM_001030294	olfactomedin 4 (Olfm4), mRNA.	Mme-M400000534	ILMN_3161834	0	0
244198	Olfml1	-0.081	0.105	0.037	0	0	0	0	0	0	NM_172907	olfactomedin-like 1 (Olfml1), mRNA.	Mme-M300021695	ILMN_1219253	0	0
241327	Olfml2a	-0.116	-0.014	0.062	0	0	0	0	0	0	NM_172854	olfactomedin-like 2A (Olfml2a), mRNA.	Mme-M300017509	ILMN_1232604	0	0
320078	Olfml2b	0.145	0.131	-0.001	0	0	0	0	0	0	NM_177068	olfactomedin-like 2B (Olfml2b), mRNA.	Mme-M300011568	ILMN_2745551	0	0
99543	Olfml3	0.239	0.344	0.024	0	0	0	0	0	0	NM_133859	olfactomedin-like 3 (Olfml3), mRNA.	Mme-M200005710	ILMN_1233455	0	0
258923	Olfr1	-0.106	-0.027	-0.026	0	0	0	0	0	0	NM_146921	olfactory receptor 1 (Olfr1), mRNA.	Mme-M400012119	ILMN_1255360	0	0
18307	Olfr10	-0.022	0.061	0.010	0	0	0	0	0	0	NM_206822	olfactory receptor 10 (Olfr10), mRNA.	Mme-M400005799	ILMN_3003383	0	0
404307	Olfr100	-0.379	-0.019	-0.044	0	0	0	0	0	0	NM_207673	olfactory receptor 100 (Olfr100), mRNA.	Mme-M400003519	ILMN_1228606	0	0
258566	Olfr1002	-0.094	-0.032	0.020	0	0	0	0	0	0	NM_146573	olfactory receptor 1002 (Olfr1002), mRNA.	Mme-M400012005	ILMN_2593570	0	0
258563	Olfr1006	-0.072	-0.073	0.026	0	0	0	0	0	0	NM_146570	olfactory receptor 1006 (Olfr1006), mRNA.	Mme-M400012004	ILMN_1232711	0	0
258866	Olfr1008	-0.527	-0.021	0.091	0	0	0	0	0	0	NM_146866	olfactory receptor 1008 (Olfr1008), mRNA.	Mme-M300021291	ILMN_2764242	0	0
258565	Olfr1009	-0.095	0.074	-0.007	0	0	0	0	0	0	NM_146572	olfactory receptor 1009 (Olfr1009), mRNA.	Mme-M400002716	ILMN_1246691	0	0
258831	Olfr101	0.064	0.044	-0.043	0	0	0	0	0	0	NM_146834	olfactory receptor 101 (Olfr101), mRNA.	Mme-M400012085	ILMN_1246407	0	0
258255	Olfr1010	-0.437	0.040	0.018	0	0	0	0	0	0	NM_207149	olfactory receptor 1010 (Olfr1010), mRNA.	Mme-M400012627	ILMN_2718591	0	0
258561	Olfr1012	-0.203	-0.089	-0.014	0	0	0	0	0	0	NM_146568	olfactory receptor 1012 (Olfr1012), mRNA.	Mme-M400012003	ILMN_2965563	0	0
258757	Olfr1013	-0.087	0.026	-0.048	0	0	0	0	0	0	NM_146762	olfactory receptor 1013 (Olfr1013), mRNA.	Mme-M400004414	ILMN_1226609	0	0
258562	Olfr1014	-0.236	0.055	-0.005	0	0	0	0	0	0	NM_146569	olfactory receptor 1014 (Olfr1014), mRNA.	Mme-M400006777	ILMN_2750594	0	0
258564	Olfr1015	-0.415	-0.047	-0.011	0	0	0	0	0	0	NM_146571	olfactory receptor 1015 (Olfr1015), mRNA.	Mme-M400001608	ILMN_1224677	0	0
258579	Olfr1018	-0.106	-0.046	0.064	0	0	0	0	0	0	NM_146586	olfactory receptor 1018 (Olfr1018), mRNA.	Mme-M400012010	ILMN_1232618	0	0
259017	Olfr1019	-0.276	-0.065	0.021	0	0	0	0	0	0	NM_147015	olfactory receptor 1019 (Olfr1019), mRNA.	Mme-M400012149	ILMN_1254597	0	0
258573	Olfr1020	-0.325	0.050	-0.071	0	0	0	0	0	0	NM_146580	olfactory receptor 1020 (Olfr1020), mRNA.	Mme-M400003233	ILMN_2655345	0	0
258582	Olfr1022	-0.359	0.014	-0.001	0	0	0	0	0	0	NM_146589	olfactory receptor 1022 (Olfr1022), mRNA.	Mme-M400006056	ILMN_1257841	0	0
258580	Olfr1023	-0.767	-0.209	0.086	-1	0	0	0	0	0	NM_146587	olfactory receptor 1023 (Olfr1023), mRNA.	Mme-M400003652	ILMN_2775910	0	0
257900	Olfr1024	-0.193	0.147	0.107	0	0	0	0	0	0	NM_001005230	olfactory receptor 1024 (Olfr1024), mRNA.	Mme-M400005071	ILMN_3160305	0	0
258577	Olfr1026	0.228	-0.044	-0.102	0	0	0	0	0	0	NM_146584	olfactory receptor 1026 (Olfr1026), mRNA.	Mme-M400002680	ILMN_2641178	0	0
257936	Olfr1028	-0.117	-0.032	0.093	0	0	0	0	0	0	NM_001011774	olfactory receptor 1028 (Olfr1028), mRNA.	Mme-M400005821	ILMN_3161438	0	0
258154	Olfr1029	0.113	-0.046	0.065	0	0	0	0	0	0	NM_001011852	olfactory receptor 1029 (Olfr1029), mRNA.	Mme-M400006994	ILMN_3160249	0	0
258830	Olfr103	-0.158	0.018	-0.028	0	0	0	0	0	0	NM_146833	olfactory receptor 103 (Olfr103), mRNA.	Mme-M400012084	ILMN_2992058	0	0
258581	Olfr1030	-0.667	-0.042	-0.050	-1	0	0	0	0	0	NM_146588	olfactory receptor 1030 (Olfr1030), mRNA.	Mme-M300015907	ILMN_2978444	0	0
257916	Olfr1031	-0.043	-0.089	0.038	0	0	0	0	0	0	NM_001011759	olfactory receptor 1031 (Olfr1031), mRNA.	Mme-M400002724	ILMN_3160975	0	0
258572	Olfr1032	-0.016	0.085	-0.076	0	0	0	0	0	0	NM_146579	olfactory receptor 1032 (Olfr1032), mRNA.	Mme-M400002672	ILMN_2620637	0	0
258571	Olfr1033	0.034	-0.093	0.044	0	0	0	0	0	0	NM_146578	olfactory receptor 1033 (Olfr1033), mRNA.	Mme-M400003022	ILMN_2711788	0	0
258216	Olfr1034	-0.159	0.043	-0.010	0	0	0	0	0	0	NM_001011872	olfactory receptor 1034 (Olfr1034), mRNA.	Mme-M400009174	ILMN_2832291	0	0
258245	Olfr1036	-0.169	-0.027	0.018	0	0	0	0	0	0	NM_207142	olfactory receptor 1036 (Olfr1036), mRNA.	Mme-M400007488	ILMN_2742382	0	0
259015	Olfr1038-ps	-0.077	0.051	-0.039	0	0	0	0	0	0	NM_147013	olfactory receptor 1038 (Olfr1038), mRNA.	Mme-M400012147	ILMN_1237162	0	0
404323	Olfr1040	-0.059	-0.055	0.094	0	0	0	0	0	0	NM_207561	olfactory receptor 1040 (Olfr1040), mRNA.	Mme-M400012654	ILMN_1237824	0	0
257941	Olfr1042	0.058	-0.043	0.050	0	0	0	0	0	0	NM_001011777	olfactory receptor 1042 (Olfr1042), mRNA.	Mme-M400012009	ILMN_3161343	0	0
258570	Olfr1043	0.067	-0.042	-0.011	0	0	0	0	0	0	NM_146577	olfactory receptor 1043 (Olfr1043), mRNA.	Mme-M400012006	ILMN_3161873	0	0
259013	Olfr1044	-0.126	-0.077	0.008	0	0	0	0	0	0	NM_147011	olfactory receptor 1044 (Olfr1044), mRNA.	Mme-M400012145	ILMN_1227652	0	0
259019	Olfr1045	0.024	-0.062	-0.044	0	0	0	0	0	0	NM_147017	olfactory receptor 1045 (Olfr1045), mRNA.	Mme-M400012151	ILMN_1235994	0	0
258575	Olfr1046	-0.390	0.046	-0.070	0	0	0	0	0	0	NM_146582	olfactory receptor 1046 (Olfr1046), mRNA.	Mme-M400012007	ILMN_2636238	0	0
259014	Olfr1047	-0.396	-0.026	0.040	0	0	0	0	0	0	NM_147012	olfactory receptor 1047 (Olfr1047), mRNA.	Mme-M400012146	ILMN_2716006	0	0
259016	Olfr1048	0.089	-0.058	-0.025	0	0	0	0	0	0	NM_147014	olfactory receptor 1048 (Olfr1048), mRNA.	Mme-M400012148	ILMN_1251051	0	0
259018	Olfr1049	-0.132	0.032	-0.026	0	0	0	0	0	0	NM_147016	olfactory receptor 1049 (Olfr1049), mRNA.	Mme-M400012150	ILMN_2772405	0	0
404324	Olfr1051	-0.158	-0.055	0.119	0	0	0	0	0	0	NM_207562	olfactory receptor 1051 (Olfr1051), mRNA.	Mme-M400012655	ILMN_2702078	0	0
259012	Olfr1052	-0.005	-0.095	0.017	0	0	0	0	0	0	NM_147010	olfactory receptor 1052 (Olfr1052), mRNA.	Mme-M300018007	ILMN_3006729	0	0
259021	Olfr1054	0.055	0.068	-0.046	0	0	0	0	0	0	NM_147019	olfactory receptor 1054 (Olfr1054), mRNA.	Mme-M400012153	ILMN_2637912	0	0
259023	Olfr1055	-0.174	-0.145	0.049	0	0	0	0	0	0	NM_147021	olfactory receptor 1055 (Olfr1055), mRNA.	Mme-M400012155	ILMN_2637965	0	0
259020	Olfr1056	-0.095	0.043	-0.041	0	0	0	0	0	0	NM_147018	olfactory receptor 1056 (Olfr1056), mRNA.	Mme-M400012152	ILMN_2982525	0	0
404325	Olfr1057	0.022	0.019	-0.070	0	0	0	0	0	0	NM_207563	olfactory receptor 1057 (Olfr1057), mRNA.	Mme-M400012656	ILMN_1232782	0	0
259022	Olfr1061	-0.034	-0.119	0.073	0	0	0	0	0	0	NM_207134	olfactory receptor 1061 (Olfr1061), mRNA.	Mme-M400012625	ILMN_2645068	0	0
259082	Olfr1062	-0.245	-0.044	-0.046	0	0	0	0	0	0	NM_147078	olfactory receptor 1062 (Olfr1062), mRNA.	Mme-M400012164	ILMN_2775190	0	0
258403	Olfr1065	0.055	0.014	0.007	0	0	0	0	0	0	NM_146408	olfactory receptor 1065 (Olfr1065), mRNA.	Mme-M400011971	ILMN_2744014	0	0
257880	Olfr1066	-0.020	0.050	0.006	0	0	0	0	0	0	NM_001011735	olfactory receptor 1066 (Olfr1066), mRNA.	Mme-M400012154	ILMN_2758677	0	0
258504	Olfr107	-0.535	-0.030	0.129	0	0	0	0	0	0	NM_146511	olfactory receptor 107 (Olfr107), mRNA.	Mme-M400008145	ILMN_1247423	0	0
258401	Olfr1076	-0.038	-0.018	-0.081	0	0	0	0	0	0	NM_146406	olfactory receptor 1076 (Olfr1076), mRNA.	Mme-M400007282	ILMN_1258776	0	0
258402	Olfr1079	-0.098	-0.031	-0.051	0	0	0	0	0	0	NM_146407	olfactory receptor 1079 (Olfr1079), mRNA.	Mme-M400011970	ILMN_1253560	0	0
258457	Olfr108	0.084	0.126	-0.052	0	0	0	0	0	0	NM_146465	olfactory receptor 108 (Olfr108), mRNA.	Mme-M400006924	ILMN_2898062	0	0
258404	Olfr1080	0.018	-0.018	-0.036	0	0	0	0	0	0	NM_146409	olfactory receptor 1080 (Olfr1080), mRNA.	Mme-M400011972	ILMN_1248928	0	0
258583	Olfr1085	0.025	-0.097	-0.003	0	0	0	0	0	0	NM_146590	olfactory receptor 1085 (Olfr1085), mRNA.	Mme-M400012011	ILMN_2880812	0	0
258585	Olfr1086	-0.030	-0.016	0.018	0	0	0	0	0	0	NM_146592	olfactory receptor 1086 (Olfr1086), mRNA.	Mme-M400012013	ILMN_2945633	0	0
258843	Olfr1087	-0.055	-0.071	0.147	0	0	0	0	0	0	NM_146846	olfactory receptor 1087 (Olfr1087), mRNA.	Mme-M400012090	ILMN_1220278	0	0
258832	Olfr109	-0.039	0.027	0.050	0	0	0	0	0	0	NM_146835	olfactory receptor 109 (Olfr109), mRNA.	Mme-M400001144	ILMN_2629227	0	0
258844	Olfr1090	0.085	-0.018	0.038	0	0	0	0	0	0	NM_146847	olfactory receptor 1090 (Olfr1090), mRNA.	Mme-M400012091	ILMN_1246170	0	0
258363	Olfr1093	-0.244	0.070	0.012	0	0	0	0	0	0	NM_146366	olfactory receptor 1093 (Olfr1093), mRNA.	Mme-M400003370	ILMN_2695437	0	0
258362	Olfr1094	0.160	-0.067	0.013	0	0	0	0	0	0	NM_146365	olfactory receptor 1094 (Olfr1094), mRNA.	Mme-M300015244	ILMN_2773408	0	0
258725	Olfr1095	0.028	0.046	0.046	0	0	0	0	0	0	NM_146730	olfactory receptor 1095 (Olfr1095), mRNA.	Mme-M400012049	ILMN_1251629	0	0
258840	Olfr1097	-0.053	-0.095	0.091	0	0	0	0	0	0	NM_146843	olfactory receptor 1097 (Olfr1097), mRNA.	Mme-M400012087	ILMN_2791018	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258842	Olfr1098	-0.146	0.044	0.024	0	0	0	0	0	0	NM_146845	olfactory receptor 1098 (Olfr1098), mRNA.	Mme-M400012089	ILMN_1240612	0	0
258764	Olfr1099	-0.143	-0.002	-0.006	0	0	0	0	0	0	NM_146768	olfactory receptor 1099 (Olfr1099), mRNA.	Mme-M400012058	ILMN_2640625	0	0
218066	Olfr11	-0.054	-0.032	-0.029	0	0	0	0	0	0	NM_146542	olfactory receptor 11 (Olfr11), mRNA.	Mme-M300010484	ILMN_2619903	0	0
258325	Olfr110	-0.140	-0.027	0.036	0	0	0	0	0	0	NM_146328	olfactory receptor 110 (Olfr110), mRNA.	Mme-M300017001	ILMN_1250690	0	0
258587	Olfr1100	0.050	-0.014	-0.146	0	0	0	0	0	0	NM_146594	olfactory receptor 1100 (Olfr1100), mRNA.	Mme-M400012015	ILMN_1242841	0	0
258584	Olfr1101	0.002	0.003	0.023	0	0	0	0	0	0	NM_146591	olfactory receptor 1101 (Olfr1101), mRNA.	Mme-M400012012	ILMN_2772747	0	0
228228	Olfr1102	-0.060	0.084	0.078	0	0	0	0	0	0	NM_207154	olfactory receptor 1102 (Olfr1102), mRNA.	Mme-M400003608	ILMN_1239130	0	0
258763	Olfr1104	0.075	-0.005	0.025	0	0	0	0	0	0	NM_146767	olfactory receptor 1104 (Olfr1104), mRNA.	Mme-M400012057	ILMN_2673610	0	0
258747	Olfr1106	-0.096	0.004	-0.069	0	0	0	0	0	0	NM_146752	olfactory receptor 1106 (Olfr1106), mRNA.	Mme-M400012051	ILMN_1248699	0	0
258841	Olfr1107	0.024	-0.018	-0.079	0	0	0	0	0	0	NM_146844	olfactory receptor 1107 (Olfr1107), mRNA.	Mme-M400012088	ILMN_2685786	0	0
258762	Olfr1109	0.004	0.017	-0.018	0	0	0	0	0	0	NM_146766	olfactory receptor 1109 (Olfr1109), mRNA.	Mme-M400012056	ILMN_2772963	0	0
258765	Olfr1110	-0.043	-0.073	0.021	0	0	0	0	0	0	NM_146769	olfactory receptor 1110 (Olfr1110), mRNA.	Mme-M400012059	ILMN_2821582	0	0
258586	Olfr1111	-0.288	0.010	-0.072	0	0	0	0	0	0	NM_146593	olfactory receptor 1111 (Olfr1111), mRNA.	Mme-M400012014	ILMN_2632379	0	0
258655	Olfr1112	0.015	-0.060	0.039	0	0	0	0	0	0	NM_146661	olfactory receptor 1112 (Olfr1112), mRNA.	Mme-M300015503	ILMN_1232053	0	0
258294	Olfr1115	0.047	-0.038	-0.033	0	0	0	0	0	0	NM_146297	olfactory receptor 1115 (Olfr1115), mRNA.	Mme-M400006433	ILMN_2615222	0	0
404328	Olfr1118	-0.130	-0.028	0.012	0	0	0	0	0	0	NM_207632	olfactory receptor 1118 (Olfr1118), mRNA.	Mme-M300019722	ILMN_2682109	0	0
258096	Olfr112	-0.241	0.005	-0.010	0	0	0	0	0	0	NM_001013575	olfactory receptor 112 (Olfr112), mRNA.	Mme-M400012223	ILMN_2707556	0	0
259031	Olfr1120	-0.042	-0.008	-0.016	0	0	0	0	0	0	NM_147029	olfactory receptor 1120 (Olfr1120), mRNA.	Mme-M300015532	ILMN_2654348	0	0
258345	Olfr1121	0.074	0.038	0.077	0	0	0	0	0	0	NM_146348	olfactory receptor 1121 (Olfr1121), mRNA.	Mme-M400003741	ILMN_1248317	0	0
259033	Olfr1122	-0.135	-0.058	0.024	0	0	0	0	0	0	NM_147031	olfactory receptor 1122 (Olfr1122), mRNA.	Mme-M300018439	ILMN_1241550	0	0
258347	Olfr1123	-0.106	0.066	0.025	0	0	0	0	0	0	NM_146350	olfactory receptor 1123 (Olfr1123), mRNA.	Mme-M300014348	ILMN_1235323	0	0
259030	Olfr1124	-0.074	-0.067	-0.003	0	0	0	0	0	0	NM_147028	olfactory receptor 1125 (Olfr1125), mRNA.	Mme-M400012156	ILMN_2773275	0	0
258834	Olfr1126	-0.167	0.018	-0.037	0	0	0	0	0	0	NM_146837	olfactory receptor 1126 (Olfr1126), mRNA.	Mme-M400006227	ILMN_1252123	0	0
258346	Olfr1128	0.206	0.003	-0.028	0	0	0	0	0	0	NM_146349	olfactory receptor 1128 (Olfr1128), mRNA.	Mme-M400011955	ILMN_1225269	0	0
258286	Olfr113	-0.287	-0.080	-0.142	0	0	0	0	0	0	NM_146289	olfactory receptor 113 (Olfr113), mRNA.	Mme-M400006712	ILMN_2759037	0	0
258835	Olfr1130	0.149	0.029	0.032	0	0	0	0	0	0	NM_146838	olfactory receptor 1130 (Olfr1130), mRNA.	Mme-M400012086	ILMN_2751029	0	0
258652	Olfr1131	-0.127	0.108	-0.047	0	0	0	0	0	0	NM_146658	olfactory receptor 1131 (Olfr1131), mRNA.	Mme-M400012032	ILMN_1260028	0	0
258833	Olfr1132	-0.458	-0.070	-0.011	0	0	0	0	0	0	NM_146836	olfactory receptor 1132 (Olfr1132), mRNA.	Mme-M400007779	ILMN_2748817	0	0
258348	Olfr1133	-0.094	-0.088	-0.109	0	0	0	0	0	0	NM_146351	olfactory receptor 1133 (Olfr1133), mRNA.	Mme-M400009223	ILMN_2976358	0	0
259032	Olfr1134	-0.341	-0.060	-0.004	0	0	0	0	0	0	NM_147030	olfactory receptor 1134 (Olfr1134), mRNA.	Mme-M400009222	ILMN_2826748	0	0
258654	Olfr1135	-0.078	-0.015	0.013	0	0	0	0	0	0	NM_146660	olfactory receptor 1135 (Olfr1135), mRNA.	Mme-M400007875	ILMN_1259000	0	0
258653	Olfr1136	-0.135	0.023	-0.045	0	0	0	0	0	0	NM_146659	olfactory receptor 1136 (Olfr1136), mRNA.	Mme-M400003751	ILMN_1215477	0	0
258101	Olfr1137	0.025	-0.047	-0.062	0	0	0	0	0	0	NM_001011833	olfactory receptor 1137 (Olfr1137), mRNA.	Mme-M400006264	ILMN_2994753	0	0
258632	Olfr1138	-0.049	0.048	-0.008	0	0	0	0	0	0	NM_146639	olfactory receptor 1138 (Olfr1138), mRNA.	Mme-M300016196	ILMN_1224920	0	0
258284	Olfr114	-0.419	-0.003	-0.128	0	0	0	0	0	0	NM_146287	olfactory receptor 114 (Olfr114), mRNA.	Mme-M400007911	ILMN_2616202	0	0
258635	Olfr1140	-0.256	-0.163	-0.035	0	0	0	0	0	0	NM_146642	olfactory receptor 1140 (Olfr1140), mRNA.	Mme-M400012022	ILMN_2875611	0	0
258630	Olfr1141	-0.034	0.022	-0.010	0	0	0	0	0	0	NM_146637	olfactory receptor 1141 (Olfr1141), mRNA.	Mme-M400007688	ILMN_1227279	0	0
258290	Olfr1143	-0.299	-0.092	-0.076	0	0	0	0	0	0	NM_146293	olfactory receptor 1143 (Olfr1143), mRNA.	Mme-M400011939	ILMN_2752398	0	0
258317	Olfr1145	-0.006	-0.006	-0.005	0	0	0	0	0	0	NM_146320	olfactory receptor 1145 (Olfr1145), mRNA.	Mme-M400011947	ILMN_2617646	0	0
258220	Olfr1148	-0.092	-0.098	0.043	0	0	0	0	0	0	NM_001011519	olfactory receptor 1148 (Olfr1148), mRNA.	Mme-M400007576	ILMN_3160435	0	0
257908	Olfr115	0.068	-0.069	-0.026	0	0	0	0	0	0	NM_001011753	olfactory receptor 115 (Olfr115), mRNA.	Mme-M400005132	ILMN_2937251	0	0
258631	Olfr1151	-0.159	-0.020	0.059	0	0	0	0	0	0	NM_146638	olfactory receptor 1151 (Olfr1151), mRNA.	Mme-M400003244	ILMN_2701624	0	0
258103	Olfr1152	-0.026	-0.006	0.002	0	0	0	0	0	0	NM_001011834	olfactory receptor 1152 (Olfr1152), mRNA.	Mme-M400003003	ILMN_2780472	0	0
258633	Olfr1153	0.077	0.004	0.061	0	0	0	0	0	0	NM_146640	olfactory receptor 1153 (Olfr1153), mRNA.	Mme-M400003387	ILMN_1238624	0	0
258641	Olfr1154	-0.010	0.075	0.062	0	0	0	0	0	0	NM_146647	olfactory receptor 1154 (Olfr1154), mRNA.	Mme-M400012026	ILMN_1228004	0	0
258636	Olfr1155	0.023	-0.040	0.050	0	0	0	0	0	0	NM_146643	olfactory receptor 1155 (Olfr1155), mRNA.	Mme-M400012023	ILMN_1226210	0	0
258814	Olfr1156	-0.003	-0.009	0.067	0	0	0	0	0	0	NM_146817	olfactory receptor 1156 (Olfr1156), mRNA.	Mme-M400012078	ILMN_2738305	0	0
258846	Olfr1157	-0.031	-0.003	-0.045	0	0	0	0	0	0	NM_146849	olfactory receptor 1157 (Olfr1157), mRNA.	Mme-M400012092	ILMN_2694128	0	0
258639	Olfr1158	-0.351	0.067	-0.024	0	0	0	0	0	0	NM_146645	olfactory receptor 1158 (Olfr1158), mRNA.	Mme-M400007990	ILMN_1254931	0	0
258625	Olfr116	-0.077	0.044	-0.002	0	0	0	0	0	0	NM_146632	olfactory receptor 116 (Olfr116), mRNA.	Mme-M400009047	ILMN_2682722	0	0
258643	Olfr1160	-0.139	-0.003	0.037	0	0	0	0	0	0	NM_146649	olfactory receptor 1160 (Olfr1160), mRNA.	Mme-M400012028	ILMN_1252644	0	0
258845	Olfr1161	-0.028	0.001	0.050	0	0	0	0	0	0	NM_146848	olfactory receptor 1161 (Olfr1161), mRNA.	Mme-M300016126	ILMN_2711499	0	0
258634	Olfr1164	-0.289	-0.066	-0.007	0	0	0	0	0	0	NM_146641	olfactory receptor 1164 (Olfr1164), mRNA.	Mme-M400012021	ILMN_1225305	0	0
258644	Olfr1166	0.021	-0.110	0.082	0	0	0	0	0	0	NM_146650	olfactory receptor 1166 (Olfr1166), mRNA.	Mme-M400012029	ILMN_2913855	0	0
258291	Olfr1167	-0.172	-0.049	0.052	0	0	0	0	0	0	NM_146294	olfactory receptor 1167 (Olfr1167), mRNA.	Mme-M400011940	ILMN_2912805	0	0
258524	Olfr1168	0.002	0.027	-0.099	0	0	0	0	0	0	NM_146531	olfactory receptor 1168 (Olfr1168), mRNA.	Mme-M300020264	ILMN_1233533	0	0
258263	Olfr117	-0.182	0.056	0.039	0	0	0	0	0	0	NM_207155	olfactory receptor 117 (Olfr117), mRNA.	Mme-M400007791	ILMN_2662165	0	0
258525	Olfr1170	-0.048	-0.023	0.101	0	0	0	0	0	0	NM_146532	olfactory receptor 1170 (Olfr1170), mRNA.	Mme-M400011999	ILMN_2633839	0	0
404329	Olfr1173	-0.371	-0.001	0.066	0	0	0	0	0	0	NM_207566	olfactory receptor 1173 (Olfr1173), mRNA.	Mme-M400012658	ILMN_1252315	0	0
258767	Olfr1176	-0.179	0.003	0.042	0	0	0	0	0	0	NM_146771	olfactory receptor 1176 (Olfr1176), mRNA.	Mme-M300020730	ILMN_2636022	0	0
258203	Olfr1178	-0.029	0.040	-0.072	0	0	0	0	0	0	NM_001011868	olfactory receptor 1178 (Olfr1178), mRNA.	Mme-M400005726	ILMN_2898381	0	0
404308	Olfr118	-0.030	0.064	0.088	0	0	0	0	0	0	NM_213721	olfactory receptor 118 (Olfr118), mRNA.	Mme-M400012668	ILMN_1235927	0	0
258920	Olfr1180	-0.295	0.027	0.045	0	0	0	0	0	0	NM_146918	olfactory receptor 1180 (Olfr1180), mRNA.	Mme-M400012117	ILMN_2649883	0	0
258522	Olfr1183	-0.088	0.081	0.077	0	0	0	0	0	0	NM_146529	olfactory receptor 1183 (Olfr1183), mRNA.	Mme-M400011997	ILMN_1259838	0	0
258820	Olfr1184	-0.045	-0.005	-0.043	0	0	0	0	0	0	NM_146823	olfactory receptor 1184 (Olfr1184), mRNA.	Mme-M300022061	ILMN_2855467	0	0
258523	Olfr1186	0.001	-0.051	-0.028	0	0	0	0	0	0	NM_146530	olfactory receptor 1186 (Olfr1186), mRNA.	Mme-M400011998	ILMN_2771929	0	0
258921	Olfr1188	-0.228	-0.029	0.035	0	0	0	0	0	0	NM_146919	olfactory receptor 1188 (Olfr1188), mRNA.	Mme-M400012118	ILMN_1221880	0	0
258768	Olfr1189	-0.260	-0.012	0.071	0	0	0	0	0	0	NM_146772	olfactory receptor 1189 (Olfr1189), mRNA.	Mme-M400012061	ILMN_1242368	0	0
329460	Olfr1193	-0.162	0.053	-0.034	0	0	0	0	0	0	NM_001011517	olfactory receptor 1193 (Olfr1193), mRNA.	Mme-M400010236	ILMN_2890078	0	0
258748	Olfr1195	-0.179	0.020	-0.001	0	0	0	0	0	0	NM_146753	olfactory receptor 1195 (Olfr1195), mRNA.	Mme-M400012052	ILMN_2760733	0	0
404330	Olfr1198	-0.096	0.011	-0.077	0	0	0	0	0	0	NM_207567	olfactory receptor 1198 (Olfr1198), mRNA.	Mme-M400007230	ILMN_2745761	0	0
258450	Olfr1199	-0.020	0.123	-0.057	0	0	0	0	0	0	NM_146458	olfactory receptor 1199 (Olfr1199), mRNA.	Mme-M300019254	ILMN_2633484	0	0
257890	Olfr12	-0.005	0.048	-0.033	0	0	0	0	0	0	NM_206896	olfactory receptor 12 (Olfr12), mRNA.	Mme-M400007458	ILMN_2700685	0	0
258624	Olfr120	-0.094	-0.088	-0.082	0	0	0	0	0	0	NM_146631	olfactory receptor 120 (Olfr120), mRNA.	Mme-M400012020	ILMN_2535171	0	0
258897	Olfr1201	0.035	0.001	0.040	0	0	0	0	0	0	NM_146895	olfactory receptor 1201 (Olfr1201), mRNA.	Mme-M400006604	ILMN_1226932	0	0
258454	Olfr1202	0.131	0.052	-0.009	0	0	0	0	0	0	NM_146462	olfactory receptor 1202 (Olfr1202), mRNA.	Mme-M400008545	ILMN_2696660	0	0
258455	Olfr1204	0.022	0.036	0.000	0	0	0	0	0	0	NM_146463	olfactory receptor 1204 (Olfr1204), mRNA.	Mme-M400007538	ILMN_1224002	0	0
258898	Olfr1205	-0.268	0.102	-0.041	0	0	0	0	0	0	NM_146896	olfactory receptor 1203 (Olfr1203), mRNA.	Mme-M400005927	ILMN_2939854	0	0
258896	Olfr1206	0.091	0.068	0.024	0	0	0	0	0	0	NM_001001810	olfactory receptor 1206 (Olfr1206), mRNA.	Mme-M400007977	ILMN_3038134	0	0
258774	Olfr1208	0.072	-0.076	-0.093	0	0	0	0	0	0	NM_146778	olfactory receptor 1208 (Olfr1208), mRNA.	Mme-M400012064	ILMN_2630221	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258453	Olfr1209	0.118	-0.022	0.075	0	0	0	0	0	0	NM_146461	olfactory receptor 1209 (Olfr1209), mRNA.	Mme-M400011985	ILMN_2772889	0	0
258622	Olfr121	-0.631	0.010	0.033	0	0	0	0	0	0	NM_146629	olfactory receptor 121 (Olfr121), mRNA.	Mme-M400012019	ILMN_2979343	0	0
258241	Olfr1212	-0.235	-0.051	-0.034	0	0	0	0	0	0	NM_207140	olfactory receptor 1212 (Olfr1212), mRNA.	Mme-M300017746	ILMN_2605109	0	0
258900	Olfr1213	-0.115	0.024	-0.032	0	0	0	0	0	0	NM_146898	olfactory receptor 1213 (Olfr1213), mRNA.	Mme-M400012109	ILMN_1233473	0	0
258899	Olfr1214	0.101	-0.033	0.028	0	0	0	0	0	0	NM_146897	olfactory receptor 1214 (Olfr1214), mRNA.	Mme-M400012108	ILMN_2772427	0	0
258451	Olfr1215	-0.092	-0.079	-0.056	0	0	0	0	0	0	NM_146459	olfactory receptor 1215 (Olfr1215), mRNA.	Mme-M400011984	ILMN_2773054	0	0
258895	Olfr1216	0.070	0.015	-0.058	0	0	0	0	0	0	NM_146893	olfactory receptor 1216 (Olfr1216), mRNA.	Mme-M400012107	ILMN_2743091	0	0
258903	Olfr1217	-0.260	0.103	-0.001	0	0	0	0	0	0	NM_146901	olfactory receptor 1217 (Olfr1217), mRNA.	Mme-M400012112	ILMN_2651341	0	0
258815	Olfr1218	0.019	0.013	0.010	0	0	0	0	0	0	NM_146818	olfactory receptor 1218 (Olfr1218), mRNA.	Mme-M400012079	ILMN_2755085	0	0
258901	Olfr1219	0.073	-0.068	0.004	0	0	0	0	0	0	NM_146899	olfactory receptor 1219 (Olfr1219), mRNA.	Mme-M400012110	ILMN_2940661	0	0
258285	Olfr122	-0.073	0.014	0.061	0	0	0	0	0	0	NM_146288	olfactory receptor 122 (Olfr122), mRNA.	Mme-M400007288	ILMN_2753678	0	0
258902	Olfr1220	0.033	-0.052	0.001	0	0	0	0	0	0	NM_146900	olfactory receptor 1220 (Olfr1220), mRNA.	Mme-M400012111	ILMN_2798069	0	0
258904	Olfr1221	-0.196	0.093	-0.095	0	0	0	0	0	0	NM_146902	olfactory receptor 1221 (Olfr1221), mRNA.	Mme-M400012113	ILMN_1222921	0	0
258894	Olfr1223	-0.225	0.087	-0.029	0	0	0	0	0	0	NM_146892	olfactory receptor 1223 (Olfr1223), mRNA.	Mme-M400012106	ILMN_1227952	0	0
258893	Olfr1225	-0.013	0.046	-0.103	0	0	0	0	0	0	NM_146891	olfactory receptor 1225 (Olfr1225), mRNA.	Mme-M400012105	ILMN_1240818	0	0
258969	Olfr1226	0.008	-0.035	0.006	0	0	0	0	0	0	NM_146967	olfactory receptor 1226 (Olfr1226), mRNA.	Mme-M400012127	ILMN_2634806	0	0
258973	Olfr1228	0.012	0.031	0.026	0	0	0	0	0	0	NM_146971	olfactory receptor 1228 (Olfr1228), mRNA.	Mme-M400012130	ILMN_2755352	0	0
258623	Olfr123	-0.058	-0.008	0.013	0	0	0	0	0	0	NM_146630	olfactory receptor 123 (Olfr123), mRNA.	Mme-M300016173	ILMN_2900151	0	0
258785	Olfr1230	-0.040	-0.014	-0.023	0	0	0	0	0	0	NM_146789	olfactory receptor 1230 (Olfr1230), mRNA.	Mme-M400012068	ILMN_2662149	0	0
258446	Olfr1231	0.026	-0.073	0.113	0	0	0	0	0	0	NM_146454	olfactory receptor 1231 (Olfr1231), mRNA.	Mme-M400011982	ILMN_1226324	0	0
258320	Olfr1232	-0.101	0.060	0.012	0	0	0	0	0	0	NM_146323	olfactory receptor 1232 (Olfr1232), mRNA.	Mme-M400011948	ILMN_2762480	0	0
258974	Olfr1233	-0.017	0.073	-0.087	0	0	0	0	0	0	NM_146972	olfactory receptor 1233 (Olfr1233), mRNA.	Mme-M400012131	ILMN_2615495	0	0
258975	Olfr1234	-0.011	-0.047	0.091	0	0	0	0	0	0	NM_146973	olfactory receptor 1234 (Olfr1234), mRNA.	Mme-M400012132	ILMN_1229384	0	0
258786	Olfr1238	-0.194	0.042	0.028	0	0	0	0	0	0	NM_146790	olfactory receptor 1238 (Olfr1238), mRNA.	Mme-M400012069	ILMN_2725727	0	0
258972	Olfr1239	-0.105	0.085	0.036	0	0	0	0	0	0	NM_146970	olfactory receptor 1239 (Olfr1239), mRNA.	Mme-M400012129	ILMN_2969402	0	0
259064	Olfr124	-0.104	0.055	-0.060	0	0	0	0	0	0	NM_147062	olfactory receptor 124 (Olfr124), mRNA.	Mme-M300015968	ILMN_2822080	0	0
258804	Olfr1240	-0.051	-0.032	0.053	0	0	0	0	0	0	NM_146808	olfactory receptor 1240 (Olfr1240), mRNA.	Mme-M400012076	ILMN_2711999	0	0
258447	Olfr1241	-0.174	-0.005	0.034	0	0	0	0	0	0	NM_146455	olfactory receptor 1241 (Olfr1241), mRNA.	Mme-M300020418	ILMN_2991761	0	0
258970	Olfr1242	-0.350	0.001	0.048	0	0	0	0	0	0	NM_146968	olfactory receptor 1242 (Olfr1242), mRNA.	Mme-M300019599	ILMN_2709517	0	0
258971	Olfr1243	0.067	-0.028	0.021	0	0	0	0	0	0	NM_146969	olfactory receptor 1243 (Olfr1243), mRNA.	Mme-M400012128	ILMN_2714522	0	0
258784	Olfr1245	-0.133	0.023	-0.045	0	0	0	0	0	0	NM_146788	olfactory receptor 1245 (Olfr1245), mRNA.	Mme-M400012067	ILMN_2608693	0	0
258788	Olfr1246	-0.199	0.110	-0.025	0	0	0	0	0	0	NM_146792	olfactory receptor 1246 (Olfr1246), mRNA.	Mme-M400012071	ILMN_2771395	0	0
258968	Olfr1247	0.104	-0.037	-0.071	0	0	0	0	0	0	NM_146966	olfactory receptor 1247 (Olfr1247), mRNA.	Mme-M400012126	ILMN_2772592	0	0
258787	Olfr1248	-0.012	-0.150	0.007	0	0	0	0	0	0	NM_146791	olfactory receptor 1248 (Olfr1248), mRNA.	Mme-M400012070	ILMN_1242432	0	0
258287	Olfr125	-0.010	0.033	0.115	0	0	0	0	0	0	NM_146290	olfactory receptor 125 (Olfr125), mRNA.	Mme-M400003713	ILMN_2730288	0	0
258967	Olfr1250	-0.012	-0.030	-0.007	0	0	0	0	0	0	NM_146965	olfactory receptor 1250 (Olfr1250), mRNA.	Mme-M400012125	ILMN_1255403	0	0
404331	Olfr1252	0.304	-0.060	0.091	0	0	0	0	0	0	NM_207568	olfactory receptor 1252 (Olfr1252), mRNA.	Mme-M400012659	ILMN_2763675	0	0
258468	Olfr1254	0.091	-0.010	-0.001	0	0	0	0	0	0	NM_146476	olfactory receptor 1254 (Olfr1254), mRNA.	Mme-M400011988	ILMN_2665975	0	0
258979	Olfr1255	-0.291	0.087	0.062	0	0	0	0	0	0	NM_146977	olfactory receptor 1255 (Olfr1255), mRNA.	Mme-M300016124	ILMN_1231865	0	0
258985	Olfr1256	0.279	-0.036	0.134	0	0	0	0	0	0	NM_146983	olfactory receptor 1256 (Olfr1256), mRNA.	Mme-M400012135	ILMN_1254785	0	0
258984	Olfr1257	-0.146	-0.051	-0.060	0	0	0	0	0	0	NM_146982	olfactory receptor 1257 (Olfr1257), mRNA.	Mme-M400003495	ILMN_2806803	0	0
258980	Olfr1258	-0.170	0.058	-0.017	0	0	0	0	0	0	NM_146978	olfactory receptor 1258 (Olfr1258), mRNA.	Mme-M400003508	ILMN_1237353	0	0
258338	Olfr1259	-0.159	0.049	-0.037	0	0	0	0	0	0	NM_146341	olfactory receptor 1259 (Olfr1259), mRNA.	Mme-M400011951	ILMN_1230644	0	0
258892	Olfr126	0.015	0.095	-0.033	0	0	0	0	0	0	NM_146890	olfactory receptor 126 (Olfr126), mRNA.	Mme-M400007527	ILMN_1238397	0	0
258983	Olfr1260	0.017	-0.092	0.048	0	0	0	0	0	0	NM_146981	olfactory receptor 1260 (Olfr1260), mRNA.	Mme-M300013986	ILMN_2627705	0	0
258466	Olfr1261	-0.035	0.125	-0.046	0	0	0	0	0	0	NM_146474	olfactory receptor 1261 (Olfr1261), mRNA.	Mme-M400009175	ILMN_1247051	0	0
258976	Olfr1262	-0.166	-0.069	-0.020	0	0	0	0	0	0	NM_146974	olfactory receptor 1262 (Olfr1262), mRNA.	Mme-M400003807	ILMN_2601330	0	0
258790	Olfr1263	-0.076	-0.061	0.002	0	0	0	0	0	0	NM_146794	olfactory receptor 1263 (Olfr1263), mRNA.	Mme-M400006649	ILMN_1231085	0	0
258206	Olfr1264	0.044	0.062	-0.002	0	0	0	0	0	0	NM_021368	olfactory receptor 1264 (Olfr1264), mRNA.	Mme-M400011387	ILMN_2671035	0	0
258340	Olfr1265	-0.250	0.019	-0.053	0	0	0	0	0	0	NM_146343	olfactory receptor 1265 (Olfr1265), mRNA.	Mme-M400007012	ILMN_1257124	0	0
258339	Olfr1269	-0.514	-0.123	0.047	0	0	0	0	0	0	NM_146342	olfactory receptor 1269 (Olfr1269), mRNA.	Mme-M400011952	ILMN_2738845	0	0
258374	Olfr127	-0.200	-0.014	0.047	0	0	0	0	0	0	NM_146377	olfactory receptor 127 (Olfr127), mRNA.	Mme-M400006192	ILMN_2589097	0	0
258987	Olfr1270	-0.009	-0.046	0.032	0	0	0	0	0	0	NM_146985	olfactory receptor 1270 (Olfr1270), mRNA.	Mme-M400012137	ILMN_2639417	0	0
258789	Olfr1271	-0.154	0.023	-0.053	0	0	0	0	0	0	NM_146793	olfactory receptor 1271 (Olfr1271), mRNA.	Mme-M400012072	ILMN_2712519	0	0
258982	Olfr1272	0.014	-0.026	0.014	0	0	0	0	0	0	NM_146980	olfactory receptor 1272 (Olfr1272), mRNA.	Mme-M400012134	ILMN_2767246	0	0
258977	Olfr1273-ps	-0.094	0.074	-0.080	0	0	0	0	0	0	NM_146975	olfactory receptor 1273 (Olfr1273), mRNA.	Mme-M400012133	ILMN_2659119	0	0
258390	Olfr1276	-0.058	-0.109	-0.074	0	0	0	0	0	0	NM_146395	olfactory receptor 1276 (Olfr1276), mRNA.	Mme-M400008441	ILMN_1231917	0	0
258391	Olfr1277	-0.176	-0.108	-0.033	0	0	0	0	0	0	NM_146396	olfactory receptor 1277 (Olfr1277), mRNA.	Mme-M400011964	ILMN_2727902	0	0
258389	Olfr1278	0.005	-0.015	-0.004	0	0	0	0	0	0	NM_146394	olfactory receptor 1278 (Olfr1278), mRNA.	Mme-M400011963	ILMN_2684538	0	0
258388	Olfr1279	0.010	0.030	-0.073	0	0	0	0	0	0	NM_146393	olfactory receptor 1279 (Olfr1279), mRNA.	Mme-M400011962	ILMN_1230736	0	0
383243	Olfr128	-0.304	-0.127	0.001	0	0	0	0	0	0	NM_206816	olfactory receptor 128 (Olfr128), mRNA.	Mme-M400006606	ILMN_2750917	0	0
258910	Olfr1280	0.170	-0.008	0.024	0	0	0	0	0	0	NM_146908	olfactory receptor 1280 (Olfr1280), mRNA.	Mme-M400012115	ILMN_1255579	0	0
258909	Olfr1282	-0.073	0.075	0.025	0	0	0	0	0	0	NM_146907	olfactory receptor 1282 (Olfr1282), mRNA.	Mme-M400012114	ILMN_2788613	0	0
228443	Olfr1283	-0.091	-0.035	0.041	0	0	0	0	0	0	NM_207236	olfactory receptor 1283 (Olfr1283), mRNA.	Mme-M400008622	ILMN_2612886	0	0
258379	Olfr1284	-0.124	0.039	-0.002	0	0	0	0	0	0	NM_146381	olfactory receptor 1284 (Olfr1284), mRNA.	Mme-M400003729	ILMN_3160263	0	0
277562	Olfr1286	-0.078	-0.022	0.026	0	0	0	0	0	0	NM_207254	olfactory receptor 1286 (Olfr1286), mRNA.	Mme-M400012636	ILMN_1229865	0	0
257935	Olfr1287	-0.096	0.074	0.038	0	0	0	0	0	0	NM_001011773	olfactory receptor 1287 (Olfr1287), mRNA.	Mme-M400008247	ILMN_2979729	0	0
258395	Olfr1288	-0.048	0.039	-0.029	0	0	0	0	0	0	NM_146400	olfactory receptor 1288 (Olfr1288), mRNA.	Mme-M300015087	ILMN_2685373	0	0
258399	Olfr1289	0.131	-0.125	-0.023	0	0	0	0	0	0	NM_146404	olfactory receptor 1289 (Olfr1289), mRNA.	Mme-M400009183	ILMN_1249853	0	0
258324	Olfr129	-0.075	-0.017	0.070	0	0	0	0	0	0	NM_146327	olfactory receptor 129 (Olfr129), mRNA.	Mme-M400006577	ILMN_2666043	0	0
257662	Olfr1290	-0.197	0.002	-0.025	0	0	0	0	0	0	NM_146262	olfactory receptor 1290 (Olfr1290), mRNA.	Mme-M400011936	ILMN_2975408	0	0
258887	Olfr1294	-0.048	0.008	-0.055	0	0	0	0	0	0	NM_146885	olfactory receptor 1294 (Olfr1294), mRNA.	Mme-M400012102	ILMN_2757115	0	0
258398	Olfr1295	-0.127	0.027	-0.074	0	0	0	0	0	0	NM_146403	olfactory receptor 1295 (Olfr1295), mRNA.	Mme-M400011968	ILMN_1235813	0	0
258890	Olfr1297	0.071	-0.057	0.031	0	0	0	0	0	0	NM_146888	olfactory receptor 1297 (Olfr1297), mRNA.	Mme-M400012104	ILMN_2640048	0	0
258888	Olfr1298	-0.134	0.018	0.119	0	0	0	0	0	0	NM_146886	olfactory receptor 1298 (Olfr1298), mRNA.	Mme-M400012103	ILMN_2716943	0	0
258886	Olfr1299	-0.074	-0.002	-0.021	0	0	0	0	0	0	NM_146884	olfactory receptor 1299 (Olfr1299), mRNA.	Mme-M400012101	ILMN_2603395	0	0
18310	Olfr13	-0.155	0.037	0.086	0	0	0	0	0	0	NM_146652	olfactory receptor 13 (Olfr13), mRNA.	Mme-M300014670	ILMN_2949342	0	0
258480	Olfr130	-0.285	0.118	-0.180	0	0	0	0	0	0	NM_146487	olfactory receptor 130 (Olfr130), mRNA.	Mme-M400007084	ILMN_2711432	0	0
258889	Olfr1301	-0.141	0.001	-0.012	0	0	0	0	0	0	NM_146887	olfactory receptor 1301 (Olfr1301), mRNA.	Mme-M400005789	ILMN_2590984	0	0
258891	Olfr1302	0.076	-0.049	0.060	0	0	0	0	0	0	NM_146889	olfactory receptor 1302 (Olfr1302), mRNA.	Mme-M400002914	ILMN_2865421	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258397	Olfr1303	-0.205	-0.022	0.053	0	0	0	0	0	0	NM_146402	olfactory receptor 1303 (Olfr1303), mRNA.	Mme-M400011967	ILMN_2769233	0	0
258396	Olfr1305	0.088	-0.066	-0.034	0	0	0	0	0	0	NM_146401	olfactory receptor 1305 (Olfr1305), mRNA.	Mme-M400011966	ILMN_2709621	0	0
258258	Olfr1308	0.043	-0.014	-0.009	0	0	0	0	0	0	NM_207151	olfactory receptor 1308 (Olfr1308), mRNA.	Mme-M400012629	ILMN_2640178	0	0
258439	Olfr1309	-0.062	0.033	0.025	0	0	0	0	0	0	NM_146447	olfactory receptor 1309 (Olfr1309), mRNA.	Mme-M400011979	ILMN_2961541	0	0
258867	Olfr131	-0.025	0.022	-0.141	0	0	0	0	0	0	NM_146867	olfactory receptor 131 (Olfr131), mRNA.	Mme-M300014388	ILMN_2997843	0	0
258441	Olfr1310	-0.022	-0.054	0.031	0	0	0	0	0	0	NM_146449	olfactory receptor 1310 (Olfr1310), mRNA.	Mme-M400011980	ILMN_2724923	0	0
258271	Olfr1311	-0.588	-0.018	-0.028	0	0	0	0	0	0	NM_146274	olfactory receptor 1311 (Olfr1311), mRNA.	Mme-M400011938	ILMN_2607095	0	0
258359	Olfr1312	-0.118	0.075	0.038	0	0	0	0	0	0	NM_146362	olfactory receptor 1312 (Olfr1312), mRNA.	Mme-M400012749	ILMN_2758099	0	0
258257	Olfr1313	0.079	0.028	-0.045	0	0	0	0	0	0	NM_207150	olfactory receptor 1313 (Olfr1313), mRNA.	Mme-M400012628	ILMN_2630264	0	0
258442	Olfr1314	0.118	-0.044	-0.042	0	0	0	0	0	0	NM_146450	olfactory receptor 1314 (Olfr1314), mRNA.	Mme-M400011981	ILMN_2609919	0	0
258737	Olfr1316	-0.035	0.080	-0.008	0	0	0	0	0	0	NM_146742	olfactory receptor 1316 (Olfr1316), mRNA.	Mme-M400012050	ILMN_1225034	0	0
258440	Olfr1317	0.108	-0.010	-0.028	0	0	0	0	0	0	NM_146448	olfactory receptor 1317 (Olfr1317), mRNA.	Mme-M400009184	ILMN_2640357	0	0
236784	Olfr1320	-0.197	0.051	-0.002	0	0	0	0	0	0	NM_207240	olfactory receptor 1320 (Olfr1320), mRNA.	Mme-M300015069	ILMN_1230409	0	0
257978	Olfr1322	0.126	0.046	0.045	0	0	0	0	0	0	NM_001011794	olfactory receptor 1322 (Olfr1322), mRNA.	Mme-M400005456	ILMN_3161926	0	0
258385	Olfr1323	-0.067	-0.010	0.003	0	0	0	0	0	0	NM_146390	olfactory receptor 1323 (Olfr1323), mRNA.	Mme-M300021199	ILMN_2714040	0	0
258289	Olfr1324	-0.293	-0.041	0.065	0	0	0	0	0	0	NM_146292	olfactory receptor 1324 (Olfr1324), mRNA.	Mme-M300019245	ILMN_1256784	0	0
258393	Olfr1325	0.049	0.081	-0.068	0	0	0	0	0	0	NM_146398	olfactory receptor 1325 (Olfr1325), mRNA.	Mme-M300022316	ILMN_1238053	0	0
258394	Olfr1328	0.054	0.027	-0.049	0	0	0	0	0	0	NM_146399	olfactory receptor 1519 (Olfr1519), mRNA.	Mme-M400007587	ILMN_2696546	0	0
258214	Olfr1329	0.047	-0.006	-0.014	0	0	0	0	0	0	NM_001011870	olfactory receptor 1329 (Olfr1329), mRNA.	Mme-M400006554	ILMN_2924324	0	0
258828	Olfr133	0.050	-0.037	0.024	0	0	0	0	0	0	NM_146831	olfactory receptor 133 (Olfr133), mRNA.	Mme-M400008165	ILMN_1217953	0	0
258331	Olfr1330	-0.400	-0.049	0.053	0	0	0	0	0	0	NM_146334	olfactory receptor 1330 (Olfr1330), mRNA.	Mme-M400011950	ILMN_1250973	0	0
258265	Olfr1333	-0.358	-0.016	-0.065	0	0	0	0	0	0	NM_207157	olfactory receptor 1333 (Olfr1333), mRNA.	Mme-M400008089	ILMN_2827876	0	0
435804	Olfr1335	-0.329	-0.077	0.015	0	0	0	0	0	0	NM_207703	olfactory receptor 1335 (Olfr1335), mRNA.	Mme-M400008532	ILMN_3133658	0	0
258917	Olfr1336	-0.026	0.018	-0.126	0	0	0	0	0	0	NM_146915	olfactory receptor 1336 (Olfr1336), mRNA.	Mme-M400003447	ILMN_2609242	0	0
258306	Olfr1337	-0.085	-0.002	0.029	0	0	0	0	0	0	NM_146309	olfactory receptor 1337 (Olfr1337), mRNA.	Mme-M400007326	ILMN_2675543	0	0
258259	Olfr1338	-0.072	0.076	0.025	0	0	0	0	0	0	NM_207152	olfactory receptor 1338 (Olfr1338), mRNA.	Mme-M400009299	ILMN_2903964	0	0
258851	Olfr1339	-0.151	-0.015	0.051	0	0	0	0	0	0	NM_146852	olfactory receptor 1339 (Olfr1339), mRNA.	Mme-M400006875	ILMN_2752937	0	0
258829	Olfr134	0.054	0.005	-0.070	0	0	0	0	0	0	NM_146832	olfactory receptor 134 (Olfr134), mRNA.	Mme-M400008573	ILMN_1213093	0	0
258301	Olfr1340	-0.060	-0.119	-0.041	0	0	0	0	0	0	NM_146304	olfactory receptor 1340 (Olfr1340), mRNA.	Mme-M300021857	ILMN_2651681	0	0
258708	Olfr1342	0.250	0.023	-0.026	0	0	0	0	0	0	NM_146713	olfactory receptor 1342 (Olfr1342), mRNA.	Mme-M300014457	ILMN_1245835	0	0
257882	Olfr1344	-0.124	-0.009	-0.028	0	0	0	0	0	0	NM_177061	olfactory receptor 1344 (Olfr1344), mRNA.	Mme-M300016850	ILMN_3160374	0	0
258918	Olfr1346	-0.027	-0.012	-0.049	0	0	0	0	0	0	NM_146916	olfactory receptor 1346 (Olfr1346), mRNA.	Mme-M400004987	ILMN_1247690	0	0
258383	Olfr1347	-0.299	0.010	-0.075	0	0	0	0	0	0	NM_146385	olfactory receptor 1347 (Olfr1347), mRNA.	Mme-M400001719	ILMN_2693946	0	0
258915	Olfr1348	-0.124	-0.233	-0.091	0	0	0	0	0	0	NM_146913	olfactory receptor 1348 (Olfr1348), mRNA.	Mme-M400003010	ILMN_2947633	0	0
269862	Olfr1349	-0.034	-0.149	-0.018	0	0	0	0	0	0	NM_207136	olfactory receptor 1349 (Olfr1349), mRNA.	Mme-M400003375	ILMN_1252154	0	0
258329	Olfr135	-0.110	-0.006	-0.055	0	0	0	0	0	0	NM_146332	olfactory receptor 135 (Olfr135), mRNA.	Mme-M400006073	ILMN_1227767	0	0
258384	Olfr1350	-0.067	-0.006	-0.075	0	0	0	0	0	0	NM_146389	olfactory receptor 1350 (Olfr1350), mRNA.	Mme-M300016849	ILMN_2699462	0	0
259042	Olfr1351	-0.048	-0.127	-0.073	0	0	0	0	0	0	NM_147040	olfactory receptor 1351 (Olfr1351), mRNA.	Mme-M400008156	ILMN_1247058	0	0
259074	Olfr1352	-0.046	-0.048	-0.015	0	0	0	0	0	0	NM_147071	olfactory receptor 1352 (Olfr1352), mRNA.	Mme-M400003176	ILMN_3161761	0	0
259044	Olfr1353	-0.003	0.054	0.012	0	0	0	0	0	0	NM_147042	olfactory receptor 1353 (Olfr1353), mRNA.	Mme-M400002669	ILMN_2632327	0	0
257734	Olfr1355	-0.132	0.069	0.034	0	0	0	0	0	0	NM_207571	olfactory receptor 1355 (Olfr1355), mRNA.	Mme-M400008018	ILMN_1215688	0	0
258305	Olfr1356	0.007	-0.166	-0.006	0	0	0	0	0	0	NM_146308	olfactory receptor 1356 (Olfr1356), mRNA.	Mme-M300021846	ILMN_2715704	0	0
257883	Olfr1357	0.014	-0.009	-0.017	0	0	0	0	0	0	NM_001011737	olfactory receptor 1357 (Olfr1357), mRNA.	Mme-M400007428	ILMN_2784096	0	0
258067	Olfr1359	-0.332	-0.006	-0.111	0	0	0	0	0	0	NM_001011820	olfactory receptor 1359 (Olfr1359), mRNA.	Mme-M400008859	ILMN_2748037	0	0
258803	Olfr136	-0.185	-0.020	0.030	0	0	0	0	0	0	NM_146807	olfactory receptor 136 (Olfr136), mRNA.	Mme-M400007943	ILMN_2720846	0	0
258534	Olfr1361	-0.021	-0.109	-0.120	0	0	0	0	0	0	NM_146541	olfactory receptor 1361 (Olfr1361), mRNA.	Mme-M400003599	ILMN_2643367	0	0
258739	Olfr1362	-0.029	-0.158	-0.112	0	0	0	0	0	0	NM_146744	olfactory receptor 1362 (Olfr1362), mRNA.	Mme-M400003804	ILMN_2751183	0	0
258533	Olfr1364	-0.379	-0.027	-0.051	0	0	0	0	0	0	NM_146540	olfactory receptor 1364 (Olfr1364), mRNA.	Mme-M300016940	ILMN_2612727	0	0
258280	Olfr1366	-0.347	0.019	0.079	0	0	0	0	0	0	NM_146283	olfactory receptor 1366 (Olfr1366), mRNA.	Mme-M300019765	ILMN_2629280	0	0
258526	Olfr1367	0.193	0.079	-0.090	0	0	0	0	0	0	NM_146533	olfactory receptor 1367 (Olfr1367), mRNA.	Mme-M300016457	ILMN_2690994	0	0
258527	Olfr1368	-0.030	0.025	0.026	0	0	0	0	0	0	NM_146534	olfactory receptor 1368 (Olfr1368), mRNA.	Mme-M300016429	ILMN_2710507	0	0
258481	Olfr137	-0.031	-0.019	0.075	0	0	0	0	0	0	NM_146488	olfactory receptor 137 (Olfr137), mRNA.	Mme-M400004989	ILMN_1241505	0	0
258528	Olfr1370	0.036	-0.038	-0.010	0	0	0	0	0	0	NM_146535	olfactory receptor 1370 (Olfr1370), mRNA.	Mme-M300013962	ILMN_1226930	0	0
276865	Olfr1371	-0.099	-0.013	-0.035	0	0	0	0	0	0	NM_207253	olfactory receptor 1371 (Olfr1371), mRNA.	Mme-M400007120	ILMN_1242481	0	0
211472	Olfr1373	0.015	-0.053	0.103	0	0	0	0	0	0	NM_207227	olfactory receptor 1373 (Olfr1373), mRNA.	Mme-M400008755	ILMN_2719055	0	0
258913	Olfr1377	-0.327	-0.042	0.025	0	0	0	0	0	0	NM_146911	olfactory receptor 1377 (Olfr1377), mRNA.	Mme-M300020497	ILMN_2725638	0	0
258912	Olfr1378	-0.163	-0.030	0.008	0	0	0	0	0	0	NM_146910	olfactory receptor 1378 (Olfr1378), mRNA.	Mme-M300021044	ILMN_2735408	0	0
170648	Olfr138	0.092	-0.054	0.071	0	0	0	0	0	0	NM_130868	olfactory receptor 138 (Olfr138), mRNA.	Mme-M400005923	ILMN_2983316	0	0
404336	Olfr1380	-0.253	-0.085	0.071	0	0	0	0	0	0	NM_207573	olfactory receptor 1380 (Olfr1380), mRNA.	Mme-M400008753	ILMN_1216243	0	0
258461	Olfr1381	-0.211	-0.070	-0.068	0	0	0	0	0	0	NM_146469	olfactory receptor 1381 (Olfr1381), mRNA.	Mme-M400008752	ILMN_2785712	0	0
257971	Olfr1382	-0.431	0.052	-0.011	0	0	0	0	0	0	NM_001011790	olfactory receptor 1382 (Olfr1382), mRNA.	Mme-M400008434	ILMN_2879185	0	0
404337	Olfr1383	0.091	0.091	0.083	0	0	0	0	0	0	NM_207574	olfactory receptor 1383 (Olfr1383), mRNA.	Mme-M400006059	ILMN_1218320	0	0
258464	Olfr1384	0.021	0.048	0.040	0	0	0	0	0	0	NM_146472	olfactory receptor 1384 (Olfr1384), mRNA.	Mme-M300015209	ILMN_2670532	0	0
258027	Olfr1385	-0.137	0.077	0.016	0	0	0	0	0	0	NM_001011805	olfactory receptor 1385 (Olfr1385), mRNA.	Mme-M400006938	ILMN_2832651	0	0
257888	Olfr1386	-0.299	0.057	-0.088	0	0	0	0	0	0	NM_001011741	olfactory receptor 1386 (Olfr1386), mRNA.	Mme-M400007766	ILMN_2962701	0	0
258465	Olfr1387	-0.469	-0.037	-0.078	0	0	0	0	0	0	NM_146473	olfactory receptor 1387 (Olfr1387), mRNA.	Mme-M400008252	ILMN_2701603	0	0
258459	Olfr1388	-0.139	-0.078	-0.001	0	0	0	0	0	0	NM_146467	olfactory receptor 1388 (Olfr1388), mRNA.	Mme-M300018538	ILMN_2655044	0	0
259069	Olfr1389	-0.042	0.027	0.050	0	0	0	0	0	0	NM_147066	olfactory receptor 1389 (Olfr1389), mRNA.	Mme-M400003184	ILMN_1232911	0	0
259005	Olfr139	-0.098	0.001	-0.002	0	0	0	0	0	0	NM_147003	olfactory receptor 139 (Olfr139), mRNA.	Mme-M300018287	ILMN_2797772	0	0
259068	Olfr1390	-0.101	-0.048	0.011	0	0	0	0	0	0	NM_147065	olfactory receptor 1390 (Olfr1390), mRNA.	Mme-M400003028	ILMN_2863514	0	0
258460	Olfr1391	0.006	-0.108	-0.009	0	0	0	0	0	0	NM_146468	olfactory receptor 1391 (Olfr1391), mRNA.	Mme-M400002896	ILMN_2721271	0	0
258273	Olfr1394	-0.304	0.008	-0.002	0	0	0	0	0	0	NM_146276	olfactory receptor 1394 (Olfr1394), mRNA.	Mme-M300019184	ILMN_2616214	0	0
258877	Olfr1395	-0.226	-0.045	-0.001	0	0	0	0	0	0	NM_146877	olfactory receptor 1395 (Olfr1395), mRNA.	Mme-M300021435	ILMN_2623376	0	0
258334	Olfr1396	-0.037	0.027	-0.060	0	0	0	0	0	0	NM_146337	olfactory receptor 1396 (Olfr1396), mRNA.	Mme-M400003313	ILMN_2965854	0	0
57272	Olfr140	-0.467	0.035	0.119	0	0	0	0	0	0	NM_020515	olfactory receptor 140 (Olfr140), mRNA.	Mme-M400011366	ILMN_3000343	0	0
258272	Olfr1402	-0.417	0.038	-0.078	0	0	0	0	0	0	NM_146275	olfactory receptor 1402 (Olfr1402), mRNA.	Mme-M300022036	ILMN_1257769	0	0
258881	Olfr1404	-0.149	0.018	-0.059	0	0	0	0	0	0	NM_146881	olfactory receptor 1404 (Olfr1404), mRNA.	Mme-M300020207	ILMN_2920318	0	0
258758	Olfr1406	-0.294	-0.104	0.095	0	0	0	0	0	0	NM_146763	olfactory receptor 1406 (Olfr1406), mRNA.	Mme-M400006571	ILMN_2957081	0	0
258759	Olfr1408	-0.097	0.021	0.047	0	0	0	0	0	0	NM_146764	olfactory receptor 1408 (Olfr1408), mRNA.	Mme-M400007873	ILMN_2812700	0	0
257913	Olfr141	-0.111	0.018	0.067	0	0	0	0	0	0	NM_181818	olfactory receptor 141 (Olfr141), mRNA.	Mme-M400012525	ILMN_2611205	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258484	Olfr1410	-0.770	-0.042	0.041	-1	0	0	0	0	0	NM_146491	olfactory receptor 1410 (Olfr1410), mRNA.	Mme-M400008333	ILMN_2703311	0	0
258483	Olfr1411	-0.235	0.073	-0.044	0	0	0	0	0	0	NM_146490	olfactory receptor 1411 (Olfr1411), mRNA.	Mme-M400007858	ILMN_1222501	0	0
258274	Olfr1412	-0.220	-0.028	0.040	0	0	0	0	0	0	NM_146277	olfactory receptor 1412 (Olfr1412), mRNA.	Mme-M400003146	ILMN_2699148	0	0
259039	Olfr1413	-0.042	0.103	-0.008	0	0	0	0	0	0	NM_147037	olfactory receptor 1413 (Olfr1413), mRNA.	Mme-M400006544	ILMN_2757778	0	0
259041	Olfr1414	-0.027	0.024	-0.008	0	0	0	0	0	0	NM_147039	olfactory receptor 1414 (Olfr1414), mRNA.	Mme-M300013943	ILMN_1222406	0	0
259040	Olfr1416	-0.168	-0.031	-0.019	0	0	0	0	0	0	NM_147038	olfactory receptor 1416 (Olfr1416), mRNA.	Mme-M400012159	ILMN_1234983	0	0
258938	Olfr1417	-0.007	-0.040	0.022	0	0	0	0	0	0	NM_146936	olfactory receptor 1417 (Olfr1417), mRNA.	Mme-M400003400	ILMN_1213096	0	0
406186	Olfr142	-0.324	-0.036	0.014	0	0	0	0	0	0	NM_146984	olfactory receptor 142 (Olfr142), mRNA.	Mme-M400012136	ILMN_3000484	0	0
258405	Olfr1420	-0.090	-0.011	0.032	0	0	0	0	0	0	NM_146410	olfactory receptor 1420 (Olfr1420), mRNA.	Mme-M300020781	ILMN_2659916	0	0
258675	Olfr1423	-0.230	0.059	-0.033	0	0	0	0	0	0	NM_146680	olfactory receptor 1423 (Olfr1423), mRNA.	Mme-M400012037	ILMN_1246989	0	0
258155	Olfr1425	-0.187	-0.010	0.046	0	0	0	0	0	0	NM_001011853	olfactory receptor 1425 (Olfr1425), mRNA.	Mme-M400012038	ILMN_3160256	0	0
258805	Olfr1426	-0.256	-0.169	0.076	0	0	0	0	0	0	NM_146809	olfactory receptor 1426 (Olfr1426), mRNA.	Mme-M300015974	ILMN_2624919	0	0
258674	Olfr1427	-0.027	0.053	-0.018	0	0	0	0	0	0	NM_146679	olfactory receptor 1427 (Olfr1427), mRNA.	Mme-M400012036	ILMN_2768980	0	0
258673	Olfr1428	0.025	-0.026	0.048	0	0	0	0	0	0	NM_146678	olfactory receptor 1428 (Olfr1428), mRNA.	Mme-M400012035	ILMN_1244582	0	0
258802	Olfr143	0.088	-0.025	0.018	0	0	0	0	0	0	NM_146806	olfactory receptor 143 (Olfr143), mRNA.	Mme-M400006603	ILMN_2643605	0	0
258409	Olfr1431	0.013	0.034	-0.070	0	0	0	0	0	0	NM_146414	olfactory receptor 1431 (Olfr1431), mRNA.	Mme-M400006422	ILMN_2753911	0	0
258680	Olfr1434	-0.058	0.030	0.065	0	0	0	0	0	0	NM_146685	olfactory receptor 1433 (Olfr1433), mRNA.	Mme-M300017964	ILMN_2944076	0	0
258117	Olfr1437	-0.351	0.040	-0.005	0	0	0	0	0	0	NM_001011839	olfactory receptor 1437 (Olfr1437), mRNA.	Mme-M400012040	ILMN_2844418	0	0
258679	Olfr1440	-0.258	0.018	-0.066	0	0	0	0	0	0	NM_146684	olfactory receptor 1440 (Olfr1440), mRNA.	Mme-M300017537	ILMN_1243205	0	0
258678	Olfr1441	-0.479	-0.026	0.022	0	0	0	0	0	0	NM_146683	olfactory receptor 1441 (Olfr1441), mRNA.	Mme-M300021486	ILMN_1222683	0	0
258692	Olfr1442	0.136	0.085	-0.025	0	0	0	0	0	0	NM_146697	olfactory receptor 1442 (Olfr1442), mRNA.	Mme-M300015459	ILMN_2858294	0	0
258693	Olfr1443	-0.027	-0.043	0.072	0	0	0	0	0	0	NM_146698	olfactory receptor 1443 (Olfr1443), mRNA.	Mme-M300016006	ILMN_2597700	0	0
258697	Olfr1444	-0.805	-0.004	0.041	-1	0	0	0	0	0	NM_146702	olfactory receptor 1444 (Olfr1444), mRNA.	Mme-M300017186	ILMN_2648542	0	0
258694	Olfr1445	-0.144	0.015	-0.051	0	0	0	0	0	0	NM_146699	olfactory receptor 1445 (Olfr1445), mRNA.	Mme-M400002986	ILMN_2685864	0	0
258699	Olfr1446	-0.339	-0.027	-0.060	0	0	0	0	0	0	NM_146704	olfactory receptor 1446 (Olfr1446), mRNA.	Mme-M400006081	ILMN_2601208	0	0
258698	Olfr1447	-0.008	-0.013	-0.018	0	0	0	0	0	0	NM_146703	olfactory receptor 1447 (Olfr1447), mRNA.	Mme-M400007196	ILMN_2669916	0	0
258696	Olfr1448	-0.046	-0.030	0.018	0	0	0	0	0	0	NM_146701	olfactory receptor 1448 (Olfr1448), mRNA.	Mme-M400003425	ILMN_2710322	0	0
258300	Olfr1449	0.021	0.089	-0.048	0	0	0	0	0	0	NM_146303	olfactory receptor 1449 (Olfr1449), mRNA.	Mme-M300020245	ILMN_1223962	0	0
258310	Olfr145	-0.104	-0.047	0.056	0	0	0	0	0	0	NM_146313	olfactory receptor 145 (Olfr145), mRNA.	Mme-M400011944	ILMN_3160663	0	0
258368	Olfr1450	-0.012	0.021	0.067	0	0	0	0	0	0	NM_146371	olfactory receptor 1450 (Olfr1450), mRNA.	Mme-M400008026	ILMN_2852196	0	0
258700	Olfr1451	0.051	-0.052	0.030	0	0	0	0	0	0	NM_146705	olfactory receptor 1451 (Olfr1451), mRNA.	Mme-M300017782	ILMN_1254141	0	0
258695	Olfr1453	-0.011	0.043	0.028	0	0	0	0	0	0	NM_146700	olfactory receptor 1453 (Olfr1453), mRNA.	Mme-M400012042	ILMN_2717108	0	0
258687	Olfr1454	-0.081	-0.065	-0.018	0	0	0	0	0	0	NM_146692	olfactory receptor 1454 (Olfr1454), mRNA.	Mme-M400009122	ILMN_2947960	0	0
258568	Olfr1457	-0.184	-0.070	-0.062	0	0	0	0	0	0	NM_146575	olfactory receptor 1457 (Olfr1457), mRNA.	Mme-M400007463	ILMN_2639730	0	0
258684	Olfr1459	0.027	0.045	0.070	0	0	0	0	0	0	NM_146689	olfactory receptor 1459 (Olfr1459), mRNA.	Mme-M400005952	ILMN_2747519	0	0
258742	Olfr146	-0.152	-0.016	-0.062	0	0	0	0	0	0	NM_146747	olfactory receptor 146 (Olfr146), mRNA.	Mme-M400006512	ILMN_2655240	0	0
258299	Olfr1461	-0.104	0.134	-0.008	0	0	0	0	0	0	NM_146302	olfactory receptor 1461 (Olfr1461), mRNA.	Mme-M400003085	ILMN_2964937	0	0
258688	Olfr1462	-0.098	0.089	0.023	0	0	0	0	0	0	NM_146693	olfactory receptor 1462 (Olfr1462), mRNA.	Mme-M400006502	ILMN_2710887	0	0
258120	Olfr1463	-0.341	0.020	0.050	0	0	0	0	0	0	NM_001011840	olfactory receptor 1463 (Olfr1463), mRNA.	Mme-M400004059	ILMN_3160480	0	0
258121	Olfr1465	0.049	-0.026	0.037	0	0	0	0	0	0	NM_001011841	olfactory receptor 1465 (Olfr1465), mRNA.	Mme-M400007727	ILMN_3160503	0	0
258689	Olfr1466	-0.027	-0.054	0.066	0	0	0	0	0	0	NM_146694	olfactory receptor 1466 (Olfr1466), mRNA.	Mme-M400008041	ILMN_2920992	0	0
258686	Olfr1467	-0.124	-0.011	0.064	0	0	0	0	0	0	NM_146691	olfactory receptor 1467 (Olfr1467), mRNA.	Mme-M400003486	ILMN_2636395	0	0
258690	Olfr1469	-0.325	-0.068	-0.016	0	0	0	0	0	0	NM_146695	olfactory receptor 1469 (Olfr1469), mRNA.	Mme-M400008412	ILMN_1215828	0	0
258869	Olfr147	-0.051	-0.056	-0.053	0	0	0	0	0	0	NM_146869	olfactory receptor 147 (Olfr147), mRNA.	Mme-M300019863	ILMN_1252427	0	0
258231	Olfr1471	0.004	-0.001	0.000	0	0	0	0	0	0	NM_207132	olfactory receptor 1471 (Olfr1471), mRNA.	Mme-M400012624	ILMN_2910447	0	0
258123	Olfr1474	-0.149	-0.048	-0.095	0	0	0	0	0	0	NM_001011842	olfactory receptor 1474 (Olfr1474), mRNA.	Mme-M400009124	ILMN_2926236	0	0
258298	Olfr1475	-0.262	0.062	-0.079	0	0	0	0	0	0	NM_146301	olfactory receptor 1475 (Olfr1475), mRNA.	Mme-M400007725	ILMN_2535160	0	0
258691	Olfr1477	-0.332	-0.064	0.051	0	0	0	0	0	0	NM_146696	olfactory receptor 1477 (Olfr1477), mRNA.	Mme-M400008036	ILMN_2679218	0	0
258498	Olfr148	-0.205	-0.002	-0.016	0	0	0	0	0	0	NM_146505	olfactory receptor 148 (Olfr148), mRNA.	Mme-M400011993	ILMN_2720983	0	0
404339	Olfr1480	-0.323	0.004	-0.017	0	0	0	0	0	0	NM_207575	olfactory receptor 1480 (Olfr1480), mRNA.	Mme-M400008296	ILMN_2658864	0	0
258288	Olfr1484	-0.221	0.052	0.032	0	0	0	0	0	0	NM_146291	olfactory receptor 1484 (Olfr1484), mRNA.	Mme-M400005823	ILMN_2663722	0	0
258629	Olfr1487	-0.012	-0.068	0.049	0	0	0	0	0	0	NM_146636	olfactory receptor 1487 (Olfr1487), mRNA.	Mme-M400006136	ILMN_3004676	0	0
258628	Olfr1489	0.137	-0.053	0.011	0	0	0	0	0	0	NM_146635	olfactory receptor 1489 (Olfr1489), mRNA.	Mme-M400003063	ILMN_2681417	0	0
235256	Olfr149	0.218	-0.067	0.061	0	0	0	0	0	0	NM_207138	olfactory receptor 149 (Olfr149), mRNA.	Mme-M400007689	ILMN_2938420	0	0
258098	Olfr1490	0.091	0.043	-0.021	0	0	0	0	0	0	NM_001011832	olfactory receptor 1490 (Olfr1490), mRNA.	Mme-M400010192	ILMN_3162398	0	0
258342	Olfr1491	-0.140	0.092	-0.034	0	0	0	0	0	0	NM_146345	olfactory receptor 1491 (Olfr1491), mRNA.	Mme-M300021817	ILMN_1256579	0	0
258992	Olfr1494	0.092	0.007	0.084	0	0	0	0	0	0	NM_146990	olfactory receptor 1494 (Olfr1494), mRNA.	Mme-M400003745	ILMN_2651687	0	0
258341	Olfr1495	-0.004	-0.046	-0.065	0	0	0	0	0	0	NM_146344	olfactory receptor 1495 (Olfr1495), mRNA.	Mme-M300018063	ILMN_2609074	0	0
258991	Olfr1496	0.029	-0.091	0.064	0	0	0	0	0	0	NM_146989	olfactory receptor 1496 (Olfr1496), mRNA.	Mme-M300019164	ILMN_2696865	0	0
258736	Olfr1497	-0.392	0.012	-0.075	0	0	0	0	0	0	NM_146741	olfactory receptor 1497 (Olfr1497), mRNA.	Mme-M400002843	ILMN_2740038	0	0
258792	Olfr1499	-0.038	-0.053	0.002	0	0	0	0	0	0	NM_146796	olfactory receptor 1499 (Olfr1499), mRNA.	Mme-M400003023	ILMN_1215595	0	0
18312	Olfr15	-0.173	-0.011	0.053	0	0	0	0	0	0	NM_008762	olfactory receptor 15 (Olfr15), mRNA.	Mme-M400006614	ILMN_2697137	0	0
258097	Olfr1500	-0.269	-0.032	-0.089	0	0	0	0	0	0	NM_001011831	olfactory receptor 1500 (Olfr1500), mRNA.	Mme-M400004846	ILMN_3161537	0	0
258626	Olfr1501	-0.658	-0.085	-0.041	-1	0	0	0	0	0	NM_146633	olfactory receptor 1501 (Olfr1501), mRNA.	Mme-M400005841	ILMN_2768174	0	0
258793	Olfr1502	-0.087	-0.035	0.122	0	0	0	0	0	0	NM_146797	olfactory receptor 1502 (Olfr1502), mRNA.	Mme-M400005661	ILMN_2873220	0	0
258627	Olfr1504	-0.037	0.100	-0.132	0	0	0	0	0	0	NM_146634	olfactory receptor 1504 (Olfr1504), mRNA.	Mme-M400006646	ILMN_2847717	0	0
258151	Olfr1505	-0.119	-0.064	0.035	0	0	0	0	0	0	NM_001011850	olfactory receptor 1505 (Olfr1505), mRNA.	Mme-M400007781	ILMN_2886048	0	0
57269	Olfr1507	0.287	-0.044	-0.063	0	0	0	0	0	0	NM_020512	olfactory receptor 1507 (Olfr1507), mRNA.	Mme-M300015624	ILMN_1232871	0	0
57270	Olfr1508	-0.479	-0.027	-0.049	0	0	0	0	0	0	NM_020513	olfactory receptor 1508 (Olfr1508), mRNA.	Mme-M300014870	ILMN_2641420	0	0
57271	Olfr1509	-0.026	-0.131	0.025	0	0	0	0	0	0	NM_020514	olfactory receptor 1509 (Olfr1509), mRNA.	Mme-M200015951	ILMN_2651333	0	0
406176	Olfr151	-0.417	0.058	0.064	0	0	0	0	0	0	NM_207664	olfactory receptor 151 (Olfr151), mRNA.	Mme-M400007337	ILMN_1221152	0	0
258423	Olfr1510	-0.094	0.046	-0.028	0	0	0	0	0	0	NM_146431	olfactory receptor 1510 (Olfr1510), mRNA.	Mme-M400008111	ILMN_2926076	0	0
258268	Olfr1511	0.053	-0.045	0.069	0	0	0	0	0	0	NM_146271	olfactory receptor 1511 (Olfr1511), mRNA.	Mme-M400011937	ILMN_2776812	0	0
258424	Olfr1512	-0.079	-0.034	-0.007	0	0	0	0	0	0	NM_146432	olfactory receptor 1512 (Olfr1512), mRNA.	Mme-M400007263	ILMN_2611621	0	0
258008	Olfr1513	-0.293	-0.015	-0.029	0	0	0	0	0	0	NM_001012269	olfactory receptor 1513 (Olfr1513), mRNA.	Mme-M400003057	ILMN_3162384	0	0
258640	Olfr152	-0.004	0.086	-0.056	0	0	0	0	0	0	NM_146646	olfactory receptor 152 (Olfr152), mRNA.	Mme-M400012025	ILMN_1258236	0	0
110511	Olfr153	-0.347	-0.025	-0.051	0	0	0	0	0	0	NM_206823	olfactory receptor 153 (Olfr153), mRNA.	Mme-M400007404	ILMN_1242718	0	0
404335	Olfr1535	-0.149	-0.019	-0.041	0	0	0	0	0	0	NM_207572	olfactory receptor 1365 (Olfr1365), mRNA.	Mme-M400004968	ILMN_2964155	0	0
257959	Olfr1537	-0.042	-0.039	0.078	0	0	0	0	0	0	NM_207665	olfactory receptor 144 (Olfr144), mRNA.	Mme-M400008365	ILMN_2898116	0	0
27216	Olfr154	-0.041	0.078	-0.023	0	0	0	0	0	0	NM_013728	olfactory receptor 154 (Olfr154), mRNA.	Mme-M400011219	ILMN_2697108	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
29845	Olfr155	-0.299	0.043	0.027	0	0	0	0	0	0	NM_019473	olfactory receptor 155 (Olfr155), mRNA.	Mme-M200015960	ILMN_2720678	0	0
29846	Olfr156	-0.115	-0.044	-0.029	0	0	0	0	0	0	NM_019474	olfactory receptor 156 (Olfr156), mRNA.	Mme-M400006810	ILMN_2672012	0	0
100040268	Olfr157	-0.039	0.054	-0.102	0	0	0	0	0	0	NM_019475	olfactory receptor 157 (Olfr157), mRNA.	Mme-M400006645	ILMN_1229628	0	0
29849	Olfr159	-0.126	0.000	0.044	0	0	0	0	0	0	NM_019476	olfactory receptor 159 (Olfr159), mRNA.	Mme-M200016327	ILMN_1213110	0	0
18313	Olfr16	-0.415	-0.038	-0.063	0	0	0	0	0	0	NM_008763	olfactory receptor 16 (Olfr16), mRNA.	Mme-M300011224	ILMN_1217706	0	0
80706	Olfr160	-0.015	-0.012	0.077	0	0	0	0	0	0	NM_030553	olfactory receptor 160 (Olfr160), mRNA.	Mme-M400011702	ILMN_1259089	0	0
258859	Olfr161	0.149	0.001	-0.027	0	0	0	0	0	0	NM_146860	olfactory receptor 161 (Olfr161), mRNA.	Mme-M300021655	ILMN_1238823	0	0
258443	Olfr164	-0.018	-0.116	-0.018	0	0	0	0	0	0	NM_146451	olfactory receptor 164 (Olfr164), mRNA.	Mme-M400003724	ILMN_2839732	0	0
258458	Olfr165	-0.069	-0.053	0.027	0	0	0	0	0	0	NM_146466	olfactory receptor 165 (Olfr165), mRNA.	Mme-M400003655	ILMN_2796834	0	0
259071	Olfr166	0.078	-0.185	-0.043	0	0	0	0	0	0	NM_147068	olfactory receptor 166 (Olfr166), mRNA.	Mme-M400005649	ILMN_1249609	0	0
258937	Olfr167	-0.078	0.074	-0.058	0	0	0	0	0	0	NM_146935	olfactory receptor 167 (Olfr167), mRNA.	Mme-M300016301	ILMN_1221872	0	0
258354	Olfr168	-0.194	-0.076	-0.094	0	0	0	0	0	0	NM_146357	olfactory receptor 168 (Olfr168), mRNA.	Mme-M400007363	ILMN_1241782	0	0
18314	Olfr17	-0.022	0.034	0.012	0	0	0	0	0	0	NM_020598	olfactory receptor 17 (Olfr17), mRNA.	Mme-M400009526	ILMN_1242884	0	0
258959	Olfr170	-0.081	0.077	-0.036	0	0	0	0	0	0	NM_146957	olfactory receptor 170 (Olfr170), mRNA.	Mme-M400008989	ILMN_2695874	0	0
258960	Olfr171	-0.056	-0.041	-0.010	0	0	0	0	0	0	NM_146958	olfactory receptor 171 (Olfr171), mRNA.	Mme-M400008990	ILMN_2721856	0	0
259003	Olfr172	0.036	-0.048	0.010	0	0	0	0	0	0	NM_147001	olfactory receptor 172 (Olfr172), mRNA.	Mme-M400012143	ILMN_2726345	0	0
259002	Olfr173	-0.020	-0.064	0.044	0	0	0	0	0	0	NM_147000	olfactory receptor 173 (Olfr173), mRNA.	Mme-M400003545	ILMN_2763664	0	0
259004	Olfr175-ps1	-0.102	0.077	-0.040	0	0	0	0	0	0	NM_147002	olfactory receptor 174 (Olfr174), mRNA.	Mme-M400009004	ILMN_2605366	0	0
258995	Olfr176	0.006	-0.141	0.066	0	0	0	0	0	0	NM_146993	olfactory receptor 176 (Olfr176), mRNA.	Mme-M400012141	ILMN_2774216	0	0
258998	Olfr177	-0.030	-0.032	0.084	0	0	0	0	0	0	NM_146996	olfactory receptor 177 (Olfr177), mRNA.	Mme-M400008124	ILMN_2862519	0	0
258999	Olfr178	0.036	-0.008	-0.007	0	0	0	0	0	0	NM_146997	olfactory receptor 178 (Olfr178), mRNA.	Mme-M400002841	ILMN_1255012	0	0
18315	Olfr18	-0.413	0.023	0.036	0	0	0	0	0	0	NM_146563	olfactory receptor 18 (Olfr18), mRNA.	Mme-M400002832	ILMN_2681896	0	0
259001	Olfr181	-0.019	-0.010	0.019	0	0	0	0	0	0	NM_146999	olfactory receptor 181 (Olfr181), mRNA.	Mme-M400007051	ILMN_2775502	0	0
258478	Olfr183	-0.133	-0.102	-0.015	0	0	0	0	0	0	NM_146485	olfactory receptor 183 (Olfr183), mRNA.	Mme-M300016156	ILMN_2747771	0	0
258318	Olfr186	0.001	0.044	-0.039	0	0	0	0	0	0	NM_146321	olfactory receptor 186 (Olfr186), mRNA.	Mme-M400003366	ILMN_2669909	0	0
258319	Olfr187	0.011	0.105	0.121	0	0	0	0	0	0	NM_146322	olfactory receptor 187 (Olfr187), mRNA.	Mme-M400002745	ILMN_2599440	0	0
18316	Olfr19	0.092	-0.013	0.032	0	0	0	0	0	0	NM_146335	olfactory receptor 19 (Olfr19), mRNA.	Mme-M300018922	ILMN_2619785	0	0
258392	Olfr190	0.015	0.032	0.061	0	0	0	0	0	0	NM_146397	olfactory receptor 190 (Olfr190), mRNA.	Mme-M400011965	ILMN_2927112	0	0
258035	Olfr191	0.040	-0.035	0.010	0	0	0	0	0	0	NM_001011807	olfactory receptor 191 (Olfr191), mRNA.	Mme-M400005960	ILMN_3160314	0	0
404309	Olfr192	-0.016	-0.112	0.031	0	0	0	0	0	0	NM_207549	olfactory receptor 192 (Olfr192), mRNA.	Mme-M400012652	ILMN_2609698	0	0
257972	Olfr193	-0.084	0.053	0.052	0	0	0	0	0	0	NM_001011791	olfactory receptor 193 (Olfr193), mRNA.	Mme-M400007068	ILMN_2920143	0	0
259000	Olfr195	-0.036	-0.096	0.147	0	0	0	0	0	0	NM_146998	olfactory receptor 195 (Olfr195), mRNA.	Mme-M400007905	ILMN_1247436	0	0
258775	Olfr196	-0.178	-0.049	0.095	0	0	0	0	0	0	NM_146779	olfactory receptor 196 (Olfr196), mRNA.	Mme-M400012065	ILMN_2765879	0	0
258477	Olfr197	0.019	-0.083	0.054	0	0	0	0	0	0	NM_146484	olfactory receptor 197 (Olfr197), mRNA.	Mme-M400011990	ILMN_2956500	0	0
258036	Olfr198	0.033	0.036	0.027	0	0	0	0	0	0	NM_001011808	olfactory receptor 198 (Olfr198), mRNA.	Mme-M400004161	ILMN_3160318	0	0
404310	Olfr199	-0.035	0.014	-0.098	0	0	0	0	0	0	NM_207550	olfactory receptor 199 (Olfr199), mRNA.	Mme-M400008501	ILMN_1224426	0	0
18317	Olfr2	-0.479	-0.073	0.027	0	0	0	0	0	0	NM_010983	olfactory receptor 2 (Olfr2), mRNA.	Mme-M200014847	ILMN_2880140	0	0
258925	Olfr20	-0.007	-0.047	-0.044	0	0	0	0	0	0	NM_146923	olfactory receptor 20 (Olfr20), mRNA.	Mme-M400007694	ILMN_2947005	0	0
258996	Olfr201	-0.064	0.017	-0.040	0	0	0	0	0	0	NM_146994	olfactory receptor 201 (Olfr201), mRNA.	Mme-M400006316	ILMN_1224626	0	0
258997	Olfr202	-0.250	0.008	-0.055	0	0	0	0	0	0	NM_146995	olfactory receptor 202 (Olfr202), mRNA.	Mme-M400003466	ILMN_2710799	0	0
258479	Olfr203	-0.138	0.032	0.071	0	0	0	0	0	0	NM_146486	olfactory receptor 203 (Olfr203), mRNA.	Mme-M400007648	ILMN_2987044	0	0
258994	Olfr204	-0.266	-0.011	0.102	0	0	0	0	0	0	NM_146992	olfactory receptor 204 (Olfr204), mRNA.	Mme-M400008042	ILMN_3160401	0	0
257881	Olfr205	-0.076	-0.011	0.031	0	0	0	0	0	0	NM_001011736	olfactory receptor 205 (Olfr205), mRNA.	Mme-M400008484	ILMN_2854009	0	0
258993	Olfr206	-0.017	0.059	-0.054	0	0	0	0	0	0	NM_146991	olfactory receptor 206 (Olfr206), mRNA.	Mme-M400012140	ILMN_1260227	0	0
258382	Olfr208	-0.053	-0.049	0.109	0	0	0	0	0	0	NM_146384	olfactory receptor 208 (Olfr208), mRNA.	Mme-M400003046	ILMN_1228888	0	0
258914	Olfr211	-0.364	-0.061	0.024	0	0	0	0	0	0	NM_146912	olfactory receptor 211 (Olfr211), mRNA.	Mme-M400004454	ILMN_2740062	0	0
258019	Olfr212	-0.298	-0.023	-0.021	0	0	0	0	0	0	NM_001011800	olfactory receptor 212 (Olfr212), mRNA.	Mme-M300017708	ILMN_1250164	0	0
258754	Olfr214	-0.165	-0.002	0.000	0	0	0	0	0	0	NM_146759	olfactory receptor 214 (Olfr214), mRNA.	Mme-M300021700	ILMN_2659858	0	0
258438	Olfr215	-0.220	0.013	-0.055	0	0	0	0	0	0	NM_146446	olfactory receptor 215 (Olfr215), mRNA.	Mme-M300021332	ILMN_2673515	0	0
258880	Olfr218	-0.114	-0.011	-0.041	0	0	0	0	0	0	NM_001001809	olfactory receptor 218 (Olfr218), mRNA.	Mme-M300017531	ILMN_3161008	0	0
257962	Olfr222	0.002	-0.012	-0.062	0	0	0	0	0	0	NM_001011789	olfactory receptor 222 (Olfr222), mRNA.	Mme-M400006892	ILMN_3005977	0	0
258421	Olfr223	-0.076	0.008	0.025	0	0	0	0	0	0	NM_146429	olfactory receptor 223 (Olfr223), mRNA.	Mme-M300019691	ILMN_1223993	0	0
257886	Olfr225	0.050	0.050	0.001	0	0	0	0	0	0	NM_001011740	olfactory receptor 225 (Olfr225), mRNA.	Mme-M400002848	ILMN_3160900	0	0
258400	Olfr228	-0.163	0.078	0.066	0	0	0	0	0	0	NM_146405	olfactory receptor 228 (Olfr228), mRNA.	Mme-M400011969	ILMN_2818216	0	0
258606	Olfr229	-0.183	-0.082	-0.032	0	0	0	0	0	0	NM_146613	olfactory receptor 973 (Olfr973), mRNA.	Mme-M400007090	ILMN_3108633	0	0
404222	Olfr231	-0.198	-0.001	0.010	0	0	0	0	0	0	NM_001005520	olfactory receptor 244 (Olfr244), mRNA.	Mme-M400003174	ILMN_3163040	0	0
258681	Olfr235	0.069	0.067	-0.078	0	0	0	0	0	0	NM_146686	olfactory receptor 232 (Olfr232), mRNA.	Mme-M400007066	ILMN_2720277	0	0
258648	Olfr237-ps1	-0.101	0.008	-0.035	0	0	0	0	0	0	NM_146654	olfactory receptor 438 (Olfr438), mRNA.	Mme-M400006546	ILMN_1236006	0	0
18322	Olfr24	-0.254	0.036	-0.008	0	0	0	0	0	0	NM_146606	olfactory receptor 24 (Olfr24), mRNA.	Mme-M300015617	ILMN_2750099	0	0
406175	Olfr242	-0.056	0.031	-0.061	0	0	0	0	0	0	NM_010974	olfactory receptor 242 (Olfr242), mRNA.	Mme-M400011089	ILMN_2984862	0	0
436002	Olfr243	0.021	0.027	0.107	0	0	0	0	0	0	NM_001025386	olfactory receptor 627 (Olfr627), mRNA.	Mme-M400006749	ILMN_3162805	0	0
258709	Olfr248	-0.092	0.033	0.008	0	0	0	0	0	0	NM_146714	olfactory receptor 415 (Olfr415), mRNA.	Mme-M400006831	ILMN_2846636	0	0
18323	Olfr25	0.064	-0.020	0.090	0	0	0	0	0	0	NM_146870	olfactory receptor 25 (Olfr25), mRNA.	Mme-M400006266	ILMN_1239971	0	0
404312	Olfr250	-0.125	-0.039	-0.018	0	0	0	0	0	0	NM_207552	olfactory receptor 250 (Olfr250), mRNA.	Mme-M300020585	ILMN_2730265	0	0
404313	Olfr251	-0.039	-0.090	-0.031	0	0	0	0	0	0	NM_207553	olfactory receptor 251 (Olfr251), mRNA.	Mme-M400007814	ILMN_2525956	0	0
404314	Olfr257	0.012	0.048	-0.061	0	0	0	0	0	0	NM_207554	olfactory receptor 257 (Olfr257), mRNA.	Mme-M400007651	ILMN_2795377	0	0
258766	Olfr259	-0.169	0.023	-0.041	0	0	0	0	0	0	NM_146770	olfactory receptor 259 (Olfr259), mRNA.	Mme-M400012060	ILMN_2596049	0	0
18324	Olfr26	-0.122	0.047	0.006	0	0	0	0	0	0	NM_146783	olfactory receptor 26 (Olfr26), mRNA.	Mme-M400003329	ILMN_2630858	0	0
258683	Olfr262	-0.058	-0.062	-0.099	0	0	0	0	0	0	NM_146688	olfactory receptor 262 (Olfr262), mRNA.	Mme-M400012041	ILMN_1231946	0	0
18341	Olfr263	-0.110	-0.018	-0.025	0	0	0	0	0	0	NM_010984	olfactory receptor 42 (Olfr42), mRNA.	Mme-M400008258	ILMN_2592893	0	0
258482	Olfr266	-0.191	-0.091	0.023	0	0	0	0	0	0	NM_146489	olfactory receptor 266 (Olfr266), mRNA.	Mme-M300014591	ILMN_2924309	0	0
258922	Olfr267	-0.048	-0.029	-0.083	0	0	0	0	0	0	NM_146920	olfactory receptor 267 (Olfr267), mRNA.	Mme-M300014458	ILMN_2930689	0	0
258600	Olfr270	-0.086	-0.003	-0.007	0	0	0	0	0	0	NM_146607	olfactory receptor 270 (Olfr270), mRNA.	Mme-M400002687	ILMN_2682548	0	0
258836	Olfr272	-0.176	0.017	-0.025	0	0	0	0	0	0	NM_146839	olfactory receptor 272 (Olfr272), mRNA.	Mme-M300022213	ILMN_2758092	0	0
258821	Olfr273	-0.318	-0.005	-0.001	0	0	0	0	0	0	NM_146824	olfactory receptor 273 (Olfr273), mRNA.	Mme-M300020386	ILMN_1255796	0	0
258857	Olfr275	-0.079	0.052	0.025	0	0	0	0	0	0	NM_146858	olfactory receptor 275 (Olfr275), mRNA.	Mme-M300014112	ILMN_1222352	0	0
258502	Olfr279	-0.210	0.077	0.056	0	0	0	0	0	0	NM_001001807	olfactory receptor 234 (Olfr234), mRNA.	Mme-M400004680	ILMN_3163554	0	0
258277	Olfr281	0.178	0.011	0.000	0	0	0	0	0	0	NM_146280	olfactory receptor 281 (Olfr281), mRNA.	Mme-M300008543	ILMN_1255489	0	0
258449	Olfr282	0.041	-0.020	0.040	0	0	0	0	0	0	NM_146457	olfactory receptor 282 (Olfr282), mRNA.	Mme-M400008417	ILMN_2752262	0	0
259038	Olfr283	-0.452	0.063	-0.025	0	0	0	0	0	0	NM_147036	olfactory receptor 283 (Olfr283), mRNA.	Mme-M400005425	ILMN_2940545	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258278	Olfr284	0.419	-0.011	-0.046	0	0	0	0	0	0	NM_146281	olfactory receptor 284 (Olfr284), mRNA.	Mme-M300019715	ILMN_2755939	0	0
545140	Olfr288	-0.180	0.001	0.002	0	0	0	0	0	0	NM_001011733	olfactory receptor 288 (Olfr288), mRNA.	Mme-M400003481	ILMN_2902605	0	0
258411	Olfr290	-0.123	-0.085	-0.044	0	0	0	0	0	0	NM_146416	olfactory receptor 290 (Olfr290), mRNA.	Mme-M400006280	ILMN_1231934	0	0
258410	Olfr291	-0.187	-0.110	-0.063	0	0	0	0	0	0	NM_146415	olfactory receptor 291 (Olfr291), mRNA.	Mme-M400008577	ILMN_2645882	0	0
258613	Olfr292	-0.054	-0.031	0.018	0	0	0	0	0	0	NM_146620	olfactory receptor 292 (Olfr292), mRNA.	Mme-M400007272	ILMN_1231223	0	0
257906	Olfr293	-0.208	-0.014	-0.067	0	0	0	0	0	0	NM_001011752	olfactory receptor 293 (Olfr293), mRNA.	Mme-M400008255	ILMN_2889746	0	0
257904	Olfr294	0.053	-0.026	0.048	0	0	0	0	0	0	NM_001011750	olfactory receptor 294 (Olfr294), mRNA.	Mme-M400007653	ILMN_2837200	0	0
258850	Olfr295	0.159	-0.144	-0.030	0	0	0	0	0	0	NM_146851	olfactory receptor 295 (Olfr295), mRNA.	Mme-M400006757	ILMN_1225728	0	0
257905	Olfr298	-0.087	0.029	-0.108	0	0	0	0	0	0	NM_001011751	olfactory receptor 298 (Olfr298), mRNA.	Mme-M400008020	ILMN_3160773	0	0
257929	Olfr299	-0.115	0.016	-0.014	0	0	0	0	0	0	NM_001011767	olfactory receptor 299 (Olfr299), mRNA.	Mme-M400000365	ILMN_2998284	0	0
18328	Olfr3	-0.049	0.043	-0.021	0	0	0	0	0	0	NM_206903	olfactory receptor 3 (Olfr3), mRNA.	Mme-M400012623	ILMN_2527328	0	0
18329	Olfr30	-0.181	-0.018	-0.063	0	0	0	0	0	0	NM_146878	olfactory receptor 30 (Olfr30), mRNA.	Mme-M300014389	ILMN_2717089	0	0
257958	Olfr301	0.116	-0.050	-0.105	0	0	0	0	0	0	NM_212436	olfactory receptor 301 (Olfr301), mRNA.	Mme-M400007423	ILMN_2652144	0	0
258612	Olfr303	-0.003	0.047	-0.055	0	0	0	0	0	0	NM_146619	olfactory receptor 303 (Olfr303), mRNA.	Mme-M400002276	ILMN_1244318	0	0
258089	Olfr304	-0.090	0.010	0.075	0	0	0	0	0	0	NM_001011828	olfactory receptor 304 (Olfr304), mRNA.	Mme-M400007833	ILMN_3162002	0	0
258609	Olfr305	0.130	0.040	0.001	0	0	0	0	0	0	NM_146616	olfactory receptor 305 (Olfr305), mRNA.	Mme-M400005230	ILMN_1227979	0	0
258610	Olfr307	-0.226	-0.001	-0.051	0	0	0	0	0	0	NM_146617	olfactory receptor 307 (Olfr307), mRNA.	Mme-M400005239	ILMN_1258690	0	0
258614	Olfr308	0.117	0.041	-0.011	0	0	0	0	0	0	NM_146621	olfactory receptor 308 (Olfr308), mRNA.	Mme-M300012257	ILMN_2800549	0	0
258196	Olfr309	-0.084	-0.178	-0.005	0	0	0	0	0	0	NM_001011866	olfactory receptor 309 (Olfr309), mRNA.	Mme-M400004688	ILMN_3160828	0	0
18330	Olfr31	-0.111	-0.268	0.028	0	0	0	0	0	0	NM_147027	olfactory receptor 31 (Olfr31), mRNA.	Mme-M400002856	ILMN_2676583	0	0
258222	Olfr310	0.166	0.010	0.031	0	0	0	0	0	0	NM_001011520	olfactory receptor 310 (Olfr310), mRNA.	Mme-M400005963	ILMN_2886477	0	0
258529	Olfr313	0.080	0.073	0.038	0	0	0	0	0	0	NM_146536	olfactory receptor 313 (Olfr313), mRNA.	Mme-M400006876	ILMN_2779272	0	0
257917	Olfr314	-0.251	-0.114	-0.060	0	0	0	0	0	0	NM_001011760	olfactory receptor 314 (Olfr314), mRNA.	Mme-M400006832	ILMN_3161017	0	0
258531	Olfr315	-0.109	-0.134	-0.025	0	0	0	0	0	0	NM_146538	olfactory receptor 315 (Olfr315), mRNA.	Mme-M300014294	ILMN_2700931	0	0
258064	Olfr316	-0.189	0.011	-0.005	0	0	0	0	0	0	NM_001011818	olfactory receptor 316 (Olfr316), mRNA.	Mme-M400007556	ILMN_2955981	0	0
257931	Olfr317	-0.255	-0.042	-0.038	0	0	0	0	0	0	NM_001011769	olfactory receptor 317 (Olfr317), mRNA.	Mme-M400007060	ILMN_2869015	0	0
258494	Olfr318	-0.249	-0.121	0.182	0	0	0	0	0	0	NM_146501	olfactory receptor 318 (Olfr318), mRNA.	Mme-M400006243	ILMN_2956535	0	0
258493	Olfr319	0.074	0.111	0.108	0	0	0	0	0	0	NM_146500	olfactory receptor 319 (Olfr319), mRNA.	Mme-M400008530	ILMN_2728212	0	0
18331	Olfr32	-0.202	0.041	0.041	0	0	0	0	0	0	NM_010980	olfactory receptor 32 (Olfr32), mRNA.	Mme-M400011090	ILMN_1214661	0	0
216783	Olfr320	-0.289	0.060	-0.069	0	0	0	0	0	0	NM_207230	olfactory receptor 320 (Olfr320), mRNA.	Mme-M400008762	ILMN_1236773	0	0
404346	Olfr322	-0.131	0.078	0.087	0	0	0	0	0	0	NM_207693	olfactory receptor 216 (Olfr216), mRNA.	Mme-M400008321	ILMN_2947039	0	0
258373	Olfr323	-0.136	0.017	-0.062	0	0	0	0	0	0	NM_146376	olfactory receptor 323 (Olfr323), mRNA.	Mme-M400002809	ILMN_2599764	0	0
257892	Olfr324	-0.253	0.057	-0.011	0	0	0	0	0	0	NM_001011743	olfactory receptor 324 (Olfr324), mRNA.	Mme-M400005547	ILMN_3161220	0	0
258261	Olfr325	-0.048	-0.077	0.008	0	0	0	0	0	0	NM_207153	olfactory receptor 325 (Olfr325), mRNA.	Mme-M400008761	ILMN_2648301	0	0
258495	Olfr328	-0.134	-0.102	0.086	0	0	0	0	0	0	NM_146502	olfactory receptor 328 (Olfr328), mRNA.	Mme-M400006011	ILMN_1231645	0	0
259148	Olfr329-ps	-0.070	-0.004	0.007	0	0	0	0	0	0	NM_001011531	olfactory receptor 329 (Olfr329), mRNA.	Mme-M400008615	ILMN_2954467	0	0
18332	Olfr33	0.070	0.052	0.059	0	0	0	0	0	0	NM_147073	olfactory receptor 33 (Olfr33), mRNA.	Mme-M400006197	ILMN_2830783	0	0
258879	Olfr330	0.025	0.018	-0.011	0	0	0	0	0	0	NM_146879	olfactory receptor 330 (Olfr330), mRNA.	Mme-M400003739	ILMN_1235408	0	0
257932	Olfr332	-0.123	0.001	-0.025	0	0	0	0	0	0	NM_001011770	olfactory receptor 332 (Olfr332), mRNA.	Mme-M300021484	ILMN_2874298	0	0
258949	Olfr338	-0.073	0.062	-0.029	0	0	0	0	0	0	NM_146947	olfactory receptor 338 (Olfr338), mRNA.	Mme-M400012123	ILMN_1219360	0	0
258951	Olfr339	0.108	0.096	-0.025	0	0	0	0	0	0	NM_146949	olfactory receptor 339 (Olfr339), mRNA.	Mme-M400008211	ILMN_2986122	0	0
258953	Olfr340	-0.022	0.041	0.047	0	0	0	0	0	0	NM_146951	olfactory receptor 340 (Olfr340), mRNA.	Mme-M400006504	ILMN_2623440	0	0
258952	Olfr341	-0.064	-0.054	0.078	0	0	0	0	0	0	NM_146950	olfactory receptor 341 (Olfr341), mRNA.	Mme-M400012124	ILMN_1237204	0	0
258950	Olfr342	-0.112	0.042	-0.008	0	0	0	0	0	0	NM_146948	olfactory receptor 342 (Olfr342), mRNA.	Mme-M400007355	ILMN_2741317	0	0
258621	Olfr344	-0.160	0.023	0.016	0	0	0	0	0	0	NM_146628	olfactory receptor 344 (Olfr344), mRNA.	Mme-M400006232	ILMN_2990335	0	0
258947	Olfr345	-0.110	-0.005	-0.001	0	0	0	0	0	0	NM_146945	olfactory receptor 345 (Olfr345), mRNA.	Mme-M400006725	ILMN_1212921	0	0
258940	Olfr346	-0.354	0.023	-0.003	0	0	0	0	0	0	NM_146938	olfactory receptor 346 (Olfr346), mRNA.	Mme-M400008470	ILMN_2599838	0	0
258945	Olfr347	-0.065	0.029	-0.046	0	0	0	0	0	0	NM_146943	olfactory receptor 347 (Olfr347), mRNA.	Mme-M400005888	ILMN_1242663	0	0
258946	Olfr348	0.021	0.019	-0.030	0	0	0	0	0	0	NM_146944	olfactory receptor 348 (Olfr348), mRNA.	Mme-M400003531	ILMN_2594241	0	0
258620	Olfr350	0.035	-0.035	0.000	0	0	0	0	0	0	NM_146627	olfactory receptor 350 (Olfr350), mRNA.	Mme-M400003632	ILMN_2631106	0	0
258944	Olfr351	-0.061	-0.057	-0.009	0	0	0	0	0	0	NM_146942	olfactory receptor 351 (Olfr351), mRNA.	Mme-M400012122	ILMN_2665824	0	0
258942	Olfr352	0.241	-0.032	-0.023	0	0	0	0	0	0	NM_146940	olfactory receptor 352 (Olfr352), mRNA.	Mme-M400004355	ILMN_2809136	0	0
258943	Olfr353	-0.001	-0.015	0.058	0	0	0	0	0	0	NM_146941	olfactory receptor 353 (Olfr353), mRNA.	Mme-M400012121	ILMN_2927593	0	0
258941	Olfr354	-0.030	0.103	-0.030	0	0	0	0	0	0	NM_146939	olfactory receptor 354 (Olfr354), mRNA.	Mme-M400005044	ILMN_2665980	0	0
258618	Olfr355	-0.242	-0.079	0.028	0	0	0	0	0	0	NM_146625	olfactory receptor 355 (Olfr355), mRNA.	Mme-M400012018	ILMN_2591119	0	0
258617	Olfr356	0.070	-0.083	0.006	0	0	0	0	0	0	NM_146624	olfactory receptor 356 (Olfr356), mRNA.	Mme-M400005309	ILMN_2835255	0	0
258616	Olfr357	0.042	-0.005	0.075	0	0	0	0	0	0	NM_146623	olfactory receptor 357 (Olfr357), mRNA.	Mme-M300020723	ILMN_2753127	0	0
227789	Olfr358	-0.006	0.001	-0.079	0	0	0	0	0	0	NM_207235	olfactory receptor 358 (Olfr358), mRNA.	Mme-M400012635	ILMN_2631135	0	0
258615	Olfr360	-0.204	0.044	-0.044	0	0	0	0	0	0	NM_146622	olfactory receptor 360 (Olfr360), mRNA.	Mme-M300018086	ILMN_1224535	0	0
258365	Olfr361	-0.096	0.037	0.078	0	0	0	0	0	0	NM_146368	olfactory receptor 361 (Olfr361), mRNA.	Mme-M400011959	ILMN_1225711	0	0
259053	Olfr362	-0.038	-0.026	-0.032	0	0	0	0	0	0	NM_147051	olfactory receptor 362 (Olfr362), mRNA.	Mme-M400012160	ILMN_1248544	0	0
258656	Olfr365	-0.002	0.005	0.066	0	0	0	0	0	0	NM_146662	olfactory receptor 365 (Olfr365), mRNA.	Mme-M400006806	ILMN_2624376	0	0
545417	Olfr367-ps	-0.278	0.003	-0.008	0	0	0	0	0	0	NM_001081010	olfactory receptor 367 (Olfr367), mRNA.	Mme-M400003500	ILMN_2835002	0	0
258371	Olfr368	-0.050	-0.095	0.009	0	0	0	0	0	0	NM_146374	olfactory receptor 368 (Olfr368), mRNA.	Mme-M300019787	ILMN_1218591	0	0
258267	Olfr370	-0.384	-0.016	-0.046	0	0	0	0	0	0	NM_146270	olfactory receptor 370 (Olfr370), mRNA.	Mme-M400003286	ILMN_2708751	0	0
258858	Olfr371	-0.232	0.026	0.017	0	0	0	0	0	0	NM_146859	olfactory receptor 371 (Olfr371), mRNA.	Mme-M300016633	ILMN_1236545	0	0
404315	Olfr372	-0.260	0.033	0.122	0	0	0	0	0	0	NM_207555	olfactory receptor 372 (Olfr372), mRNA.	Mme-M400009571	ILMN_2911964	0	0
258532	Olfr373	0.045	-0.003	0.043	0	0	0	0	0	0	NM_146539	olfactory receptor 373 (Olfr373), mRNA.	Mme-M400007429	ILMN_2663595	0	0
258335	Olfr374	-0.467	-0.006	0.002	0	0	0	0	0	0	NM_146338	olfactory receptor 374 (Olfr374), mRNA.	Mme-M400003220	ILMN_2670007	0	0
258924	Olfr376	-0.152	0.003	-0.088	0	0	0	0	0	0	NM_146922	olfactory receptor 376 (Olfr376), mRNA.	Mme-M400008455	ILMN_1257456	0	0
259026	Olfr378	0.096	-0.022	-0.027	0	0	0	0	0	0	NM_147024	olfactory receptor 378 (Olfr378), mRNA.	Mme-M400005363	ILMN_2741070	0	0
258988	Olfr38	-0.024	-0.045	-0.082	0	0	0	0	0	0	NM_146986	olfactory receptor 38 (Olfr38), mRNA.	Mme-M400012138	ILMN_2649904	0	0
259027	Olfr380	-0.253	0.099	-0.132	0	0	0	0	0	0	NM_147025	olfactory receptor 380 (Olfr380), mRNA.	Mme-M400007519	ILMN_2604984	0	0
259024	Olfr381	-0.290	-0.018	0.051	0	0	0	0	0	0	NM_147022	olfactory receptor 381 (Olfr381), mRNA.	Mme-M400008780	ILMN_2929813	0	0
258435	Olfr382	-0.128	0.014	-0.003	0	0	0	0	0	0	NM_146443	olfactory receptor 382 (Olfr382), mRNA.	Mme-M400006386	ILMN_2611518	0	0
193053	Olfr384	-0.500	0.169	0.028	0	0	0	0	0	0	NM_207224	olfactory receptor 386 (Olfr386), mRNA.	Mme-M400007214	ILMN_2705909	0	0
259025	Olfr385	-0.063	-0.050	0.006	0	0	0	0	0	0	NM_147023	olfactory receptor 385 (Olfr385), mRNA.	Mme-M400006820	ILMN_2672020	0	0
259011	Olfr389	-0.227	-0.007	-0.015	0	0	0	0	0	0	NM_147009	olfactory receptor 389 (Olfr389), mRNA.	Mme-M400002902	ILMN_1214044	0	0
258822	Olfr39	-0.089	0.049	0.038	0	0	0	0	0	0	NM_146825	olfactory receptor 39 (Olfr39), mRNA.	Mme-M300016384	ILMN_2678254	0	0
258344	Olfr390	-0.469	0.037	-0.101	0	0	0	0	0	0	NM_146347	olfactory receptor 390 (Olfr390), mRNA.	Mme-M400011954	ILMN_2820869	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
259008	Olfr392	-0.086	-0.029	-0.097	0	0	0	0	0	0	NM_147006	olfactory receptor 392 (Olfr392), mRNA.	Mme-M400012144	ILMN_1216087	0	0
259010	Olfr393	0.059	-0.007	0.091	0	0	0	0	0	0	NM_147008	olfactory receptor 393 (Olfr393), mRNA.	Mme-M400008605	ILMN_1237487	0	0
259009	Olfr394	0.025	-0.017	-0.073	0	0	0	0	0	0	NM_147007	olfactory receptor 394 (Olfr394), mRNA.	Mme-M400005692	ILMN_1219111	0	0
259007	Olfr395	-0.292	0.016	-0.063	0	0	0	0	0	0	NM_147005	olfactory receptor 395 (Olfr395), mRNA.	Mme-M400007721	ILMN_1230896	0	0
258343	Olfr397	-0.220	-0.122	0.065	0	0	0	0	0	0	NM_146346	olfactory receptor 397 (Olfr397), mRNA.	Mme-M400011953	ILMN_1214925	0	0
258705	Olfr398	-0.042	-0.008	0.010	0	0	0	0	0	0	NM_146710	olfactory receptor 398 (Olfr398), mRNA.	Mme-M300019808	ILMN_2655832	0	0
259006	Olfr399	-0.318	-0.007	-0.049	0	0	0	0	0	0	NM_147004	olfactory receptor 399 (Olfr399), mRNA.	Mme-M300014757	ILMN_2755826	0	0
258701	Olfr401	0.023	0.012	-0.065	0	0	0	0	0	0	NM_146706	olfactory receptor 401 (Olfr401), mRNA.	Mme-M400007971	ILMN_2732017	0	0
258703	Olfr402	-0.133	0.045	-0.027	0	0	0	0	0	0	NM_146708	olfactory receptor 402 (Olfr402), mRNA.	Mme-M400008446	ILMN_1241786	0	0
404316	Olfr403	-0.145	-0.046	0.004	0	0	0	0	0	0	NM_207622	olfactory receptor 403 (Olfr403), mRNA.	Mme-M400007175	ILMN_2724222	0	0
258181	Olfr406	-0.702	0.041	0.037	-1	0	0	0	0	0	NM_001011863	olfactory receptor 406 (Olfr406), mRNA.	Mme-M400006526	ILMN_2903020	0	0
258702	Olfr410	-0.099	0.076	-0.005	0	0	0	0	0	0	NM_146707	olfactory receptor 410 (Olfr410), mRNA.	Mme-M400008113	ILMN_1225411	0	0
258704	Olfr411	-0.080	0.025	-0.026	0	0	0	0	0	0	NM_146709	olfactory receptor 411 (Olfr411), mRNA.	Mme-M300014110	ILMN_2654085	0	0
258153	Olfr412	-0.449	0.000	-0.041	0	0	0	0	0	0	NM_001011851	olfactory receptor 412 (Olfr412), mRNA.	Mme-M300014542	ILMN_3160736	0	0
258756	Olfr414	-0.463	-0.053	0.043	0	0	0	0	0	0	NM_146761	olfactory receptor 414 (Olfr414), mRNA.	Mme-M400012053	ILMN_2600407	0	0
258238	Olfr417	-0.150	0.103	-0.032	0	0	0	0	0	0	NM_207137	olfactory receptor 417 (Olfr417), mRNA.	Mme-M400005840	ILMN_2970309	0	0
258645	Olfr418	-0.411	-0.110	0.075	0	0	0	0	0	0	NM_146651	olfactory receptor 1403 (Olfr1403), mRNA.	Mme-M300020347	ILMN_2690584	0	0
258710	Olfr419	-0.038	-0.001	-0.039	0	0	0	0	0	0	NM_146715	olfactory receptor 419 (Olfr419), mRNA.	Mme-M400003731	ILMN_2751611	0	0
258302	Olfr420	-0.064	-0.012	0.098	0	0	0	0	0	0	NM_146305	olfactory receptor 420 (Olfr420), mRNA.	Mme-M300019014	ILMN_1241294	0	0
258715	Olfr421-ps1	-0.087	-0.010	-0.070	0	0	0	0	0	0	NM_146720	olfactory receptor 421 (Olfr421), mRNA.	Mme-M400012046	ILMN_2771458	0	0
258716	Olfr424	-0.131	-0.103	0.047	0	0	0	0	0	0	NM_146721	olfactory receptor 424 (Olfr424), mRNA.	Mme-M300022154	ILMN_2593892	0	0
259162	Olfr427	-0.372	0.006	-0.028	0	0	0	0	0	0	NM_207158	olfactory receptor 427 (Olfr427), mRNA.	Mme-M300020398	ILMN_2739797	0	0
258717	Olfr429	-0.003	0.009	-0.016	0	0	0	0	0	0	NM_146722	olfactory receptor 429 (Olfr429), mRNA.	Mme-M300020271	ILMN_2758085	0	0
258706	Olfr43	-0.309	0.015	0.010	0	0	0	0	0	0	NM_146711	olfactory receptor 43 (Olfr43), mRNA.	Mme-M400007496	ILMN_2589171	0	0
258713	Olfr430	-0.231	0.003	-0.011	0	0	0	0	0	0	NM_146718	olfactory receptor 430 (Olfr430), mRNA.	Mme-M400012045	ILMN_2614255	0	0
258711	Olfr432	-0.551	-0.074	-0.106	0	0	0	0	0	0	NM_146716	olfactory receptor 432 (Olfr432), mRNA.	Mme-M400012044	ILMN_3062713	0	0
258712	Olfr433	0.055	0.054	0.061	0	0	0	0	0	0	NM_146717	olfactory receptor 433 (Olfr433), mRNA.	Mme-M400003020	ILMN_2862009	0	0
258366	Olfr434	-0.094	0.015	0.046	0	0	0	0	0	0	NM_146369	olfactory receptor 434 (Olfr434), mRNA.	Mme-M400006794	ILMN_2701679	0	0
258647	Olfr435	0.092	0.058	-0.067	0	0	0	0	0	0	NM_146653	olfactory receptor 435 (Olfr435), mRNA.	Mme-M300019471	ILMN_2907173	0	0
258293	Olfr437	-0.138	-0.040	-0.075	0	0	0	0	0	0	NM_146296	olfactory receptor 437 (Olfr437), mRNA.	Mme-M300022214	ILMN_2625840	0	0
18343	Olfr44	-0.260	-0.046	0.117	0	0	0	0	0	0	NM_146830	olfactory receptor 44 (Olfr44), mRNA.	Mme-M400007924	ILMN_1222244	0	0
258650	Olfr444	-0.659	-0.056	0.047	-1	0	0	0	0	0	NM_146656	olfactory receptor 444 (Olfr444), mRNA.	Mme-M400012031	ILMN_2589875	0	0
258292	Olfr446	-0.245	-0.021	0.047	0	0	0	0	0	0	NM_146295	olfactory receptor 446 (Olfr446), mRNA.	Mme-M300017545	ILMN_2716580	0	0
258990	Olfr447	-0.270	-0.067	0.039	0	0	0	0	0	0	NM_146988	olfactory receptor 447 (Olfr447), mRNA.	Mme-M300016642	ILMN_1254919	0	0
258270	Olfr448	-0.116	-0.026	0.063	0	0	0	0	0	0	NM_146273	olfactory receptor 448 (Olfr448), mRNA.	Mme-M400002703	ILMN_2645100	0	0
259067	Olfr449	0.083	-0.076	-0.029	0	0	0	0	0	0	NM_147064	olfactory receptor 449 (Olfr449), mRNA.	Mme-M300019926	ILMN_2658882	0	0
18344	Olfr45	-0.112	0.026	0.033	0	0	0	0	0	0	NM_146963	olfactory receptor 45 (Olfr45), mRNA.	Mme-M400008436	ILMN_2603159	0	0
258437	Olfr450	0.062	-0.034	0.069	0	0	0	0	0	0	NM_146445	olfactory receptor 450 (Olfr450), mRNA.	Mme-M400004810	ILMN_1240945	0	0
258207	Olfr452	-0.283	-0.006	-0.039	0	0	0	0	0	0	NM_001011869	olfactory receptor 452 (Olfr452), mRNA.	Mme-M400005769	ILMN_3162117	0	0
258016	Olfr453	-0.078	-0.058	-0.014	0	0	0	0	0	0	NM_001011799	olfactory receptor 453 (Olfr453), mRNA.	Mme-M400003429	ILMN_3162167	0	0
259144	Olfr456	-0.314	0.002	0.019	0	0	0	0	0	0	NM_001011528	olfactory receptor 456 (Olfr456), mRNA.	Mme-M400006513	ILMN_3160851	0	0
258989	Olfr457	-0.343	-0.039	-0.023	0	0	0	0	0	0	NM_146987	olfactory receptor 457 (Olfr457), mRNA.	Mme-M400012139	ILMN_2984342	0	0
258436	Olfr458	-0.194	0.162	-0.079	0	0	0	0	0	0	NM_146444	olfactory receptor 458 (Olfr458), mRNA.	Mme-M400009413	ILMN_1232841	0	0
258569	Olfr459	-0.254	0.028	0.007	0	0	0	0	0	0	NM_146576	olfactory receptor 459 (Olfr459), mRNA.	Mme-M300016434	ILMN_1252811	0	0
18345	Olfr46	-0.055	-0.003	-0.025	0	0	0	0	0	0	NM_146934	olfactory receptor 46 (Olfr46), mRNA.	Mme-M400008272	ILMN_3160379	0	0
258381	Olfr460	-0.036	0.037	0.072	0	0	0	0	0	0	NM_146383	olfactory receptor 460 (Olfr460), mRNA.	Mme-M300016464	ILMN_2644863	0	0
258380	Olfr461	0.195	0.024	0.037	0	0	0	0	0	0	NM_146382	olfactory receptor 461 (Olfr461), mRNA.	Mme-M400011960	ILMN_2635145	0	0
258406	Olfr462	-0.207	-0.002	0.032	0	0	0	0	0	0	NM_146411	olfactory receptor 462 (Olfr462), mRNA.	Mme-M400003699	ILMN_2875857	0	0
258408	Olfr463	-0.021	-0.041	-0.019	0	0	0	0	0	0	NM_146413	olfactory receptor 463 (Olfr463), mRNA.	Mme-M400006173	ILMN_2702643	0	0
258407	Olfr464	-0.024	0.052	0.087	0	0	0	0	0	0	NM_146412	olfactory receptor 464 (Olfr464), mRNA.	Mme-M400007285	ILMN_2590050	0	0
258816	Olfr466	-0.123	-0.054	-0.047	0	0	0	0	0	0	NM_146819	olfactory receptor 466 (Olfr466), mRNA.	Mme-M300020529	ILMN_2769858	0	0
258418	Olfr469	-0.338	-0.007	0.059	0	0	0	0	0	0	NM_146426	olfactory receptor 469 (Olfr469), mRNA.	Mme-M400011975	ILMN_2805042	0	0
18346	Olfr47	-0.369	0.060	-0.046	0	0	0	0	0	0	NM_146370	olfactory receptor 47 (Olfr47), mRNA.	Mme-M400007344	ILMN_2639426	0	0
258417	Olfr470	-0.139	-0.015	0.012	0	0	0	0	0	0	NM_146425	olfactory receptor 470 (Olfr470), mRNA.	Mme-M400011974	ILMN_2610406	0	0
258770	Olfr472	-0.149	-0.027	-0.010	0	0	0	0	0	0	NM_146774	olfactory receptor 472 (Olfr472), mRNA.	Mme-M400012062	ILMN_2763304	0	0
258771	Olfr473	-0.300	0.000	0.063	0	0	0	0	0	0	NM_146775	olfactory receptor 473 (Olfr473), mRNA.	Mme-M400012063	ILMN_1219139	0	0
258488	Olfr474	0.095	-0.033	-0.055	0	0	0	0	0	0	NM_146495	olfactory receptor 474 (Olfr474), mRNA.	Mme-M400003222	ILMN_1245462	0	0
258926	Olfr476	-0.059	-0.073	0.090	0	0	0	0	0	0	NM_146924	olfactory receptor 476 (Olfr476), mRNA.	Mme-M400006677	ILMN_2993799	0	0
258928	Olfr477	-0.207	0.047	0.078	0	0	0	0	0	0	NM_146926	olfactory receptor 477 (Olfr477), mRNA.	Mme-M400012120	ILMN_2601552	0	0
258729	Olfr478	-0.068	0.040	0.064	0	0	0	0	0	0	NM_146734	olfactory receptor 478 (Olfr478), mRNA.	Mme-M400002740	ILMN_2828082	0	0
257891	Olfr479	-0.023	-0.034	-0.051	0	0	0	0	0	0	NM_001011742	olfactory receptor 479 (Olfr479), mRNA.	Mme-M400002804	ILMN_3162046	0	0
56861	Olfr480	-0.176	0.014	0.047	0	0	0	0	0	0	NM_020291	olfactory receptor 480 (Olfr480), mRNA.	Mme-M400008116	ILMN_2734135	0	0
258927	Olfr481	-0.316	-0.063	0.007	0	0	0	0	0	0	NM_146925	olfactory receptor 481 (Olfr481), mRNA.	Mme-M400004747	ILMN_2693348	0	0
258728	Olfr482	-0.297	-0.019	0.001	0	0	0	0	0	0	NM_146733	olfactory receptor 482 (Olfr482), mRNA.	Mme-M400006607	ILMN_1223283	0	0
258730	Olfr483	-0.095	-0.014	0.023	0	0	0	0	0	0	NM_146735	olfactory receptor 483 (Olfr483), mRNA.	Mme-M400007620	ILMN_2590828	0	0
258492	Olfr484	0.045	-0.022	0.031	0	0	0	0	0	0	NM_146499	olfactory receptor 484 (Olfr484), mRNA.	Mme-M400007047	ILMN_1224132	0	0
258041	Olfr485	0.021	-0.032	0.048	0	0	0	0	0	0	NM_001011810	olfactory receptor 485 (Olfr485), mRNA.	Mme-M400008341	ILMN_2915320	0	0
258489	Olfr486	-0.047	-0.018	-0.008	0	0	0	0	0	0	NM_146496	olfactory receptor 486 (Olfr486), mRNA.	Mme-M400008158	ILMN_2625215	0	0
258727	Olfr488	-0.047	-0.045	0.024	0	0	0	0	0	0	NM_146732	olfactory receptor 488 (Olfr488), mRNA.	Mme-M400009527	ILMN_2609910	0	0
18348	Olfr49	-0.286	0.063	0.024	0	0	0	0	0	0	NM_010991	olfactory receptor 49 (Olfr49), mRNA.	Mme-M300018977	ILMN_1237299	0	0
258491	Olfr490	-0.174	-0.048	-0.016	0	0	0	0	0	0	NM_146498	olfactory receptor 490 (Olfr490), mRNA.	Mme-M400006371	ILMN_2666679	0	0
258731	Olfr491	-0.157	-0.053	-0.043	0	0	0	0	0	0	NM_146736	olfactory receptor 491 (Olfr491), mRNA.	Mme-M400003576	ILMN_2665697	0	0
258490	Olfr492	-0.272	0.004	-0.074	0	0	0	0	0	0	NM_146497	olfactory receptor 492 (Olfr492), mRNA.	Mme-M400009528	ILMN_2679373	0	0
258307	Olfr493	-0.129	0.029	-0.091	0	0	0	0	0	0	NM_146310	olfactory receptor 493 (Olfr493), mRNA.	Mme-M400007952	ILMN_3004890	0	0
258732	Olfr494	0.182	-0.107	-0.102	0	0	0	0	0	0	NM_146737	olfactory receptor 494 (Olfr494), mRNA.	Mme-M400006715	ILMN_2535125	0	0
258361	Olfr495	-0.035	-0.053	-0.023	0	0	0	0	0	0	NM_146364	olfactory receptor 495 (Olfr495), mRNA.	Mme-M400007704	ILMN_2938793	0	0
258733	Olfr497	-0.104	-0.154	-0.066	0	0	0	0	0	0	NM_146738	olfactory receptor 497 (Olfr497), mRNA.	Mme-M400007069	ILMN_2721603	0	0
258304	Olfr498	-0.046	-0.005	-0.068	0	0	0	0	0	0	NM_146307	olfactory receptor 498 (Olfr498), mRNA.	Mme-M400006444	ILMN_2845946	0	0
18349	Olfr5	-0.110	0.042	0.047	0	0	0	0	0	0	NM_146914	olfactory receptor 5 (Olfr5), mRNA.	Mme-M400008526	ILMN_2765366	0	0
18350	Olfr50	0.079	-0.099	0.144	0	0	0	0	0	0	NM_146946	olfactory receptor 50 (Olfr50), mRNA.	Mme-M400007588	ILMN_1255688	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258734	Olfr502	-0.777	-0.036	0.050	-1	0	0	0	0	0	NM_146739	olfactory receptor 502 (Olfr502), mRNA.	Mme-M400006154	ILMN_1236776	0	0
258163	Olfr504	-0.312	-0.014	0.119	0	0	0	0	0	0	NM_001011858	olfactory receptor 504 (Olfr504), mRNA.	Mme-M400007089	ILMN_3161078	0	0
258215	Olfr506	-0.210	-0.007	0.129	0	0	0	0	0	0	NM_001011871	olfactory receptor 506 (Olfr506), mRNA.	Mme-M400006256	ILMN_2813771	0	0
258738	Olfr507	-0.158	0.068	-0.001	0	0	0	0	0	0	NM_146743	olfactory receptor 507 (Olfr507), mRNA.	Mme-M400007317	ILMN_2674844	0	0
258769	Olfr508	-0.161	0.049	-0.007	0	0	0	0	0	0	NM_146773	olfactory receptor 508 (Olfr508), mRNA.	Mme-M400008401	ILMN_1250519	0	0
258369	Olfr509	-0.291	0.065	0.010	0	0	0	0	0	0	NM_146372	olfactory receptor 509 (Olfr509), mRNA.	Mme-M300020025	ILMN_2613619	0	0
18351	Olfr51	-0.184	0.054	-0.099	0	0	0	0	0	0	NM_146909	olfactory receptor 51 (Olfr51), mRNA.	Mme-M400007304	ILMN_2985602	0	0
258308	Olfr510	-0.358	0.034	-0.022	0	0	0	0	0	0	NM_146311	olfactory receptor 510 (Olfr510), mRNA.	Mme-M400007529	ILMN_1225331	0	0
258719	Olfr512	0.004	-0.071	0.050	0	0	0	0	0	0	NM_146724	olfactory receptor 512 (Olfr512), mRNA.	Mme-M400005708	ILMN_1230268	0	0
258718	Olfr513	-0.172	0.028	-0.013	0	0	0	0	0	0	NM_146723	olfactory receptor 513 (Olfr513), mRNA.	Mme-M300021856	ILMN_2672104	0	0
258721	Olfr514	-0.304	-0.084	-0.021	0	0	0	0	0	0	NM_146726	olfactory receptor 514 (Olfr514), mRNA.	Mme-M400012047	ILMN_2663769	0	0
258720	Olfr516	-0.350	0.064	-0.032	0	0	0	0	0	0	NM_146725	olfactory receptor 516 (Olfr516), mRNA.	Mme-M400007837	ILMN_2975511	0	0
258136	Olfr517	-0.252	0.073	0.052	0	0	0	0	0	0	NM_001011846	olfactory receptor 517 (Olfr517), mRNA.	Mme-M400005580	ILMN_2913656	0	0
258303	Olfr518	-0.041	0.036	0.064	0	0	0	0	0	0	NM_146306	olfactory receptor 518 (Olfr518), mRNA.	Mme-M400003160	ILMN_2853579	0	0
277935	Olfr519	-0.038	-0.070	-0.005	0	0	0	0	0	0	NM_207160	olfactory receptor 519 (Olfr519), mRNA.	Mme-M400003268	ILMN_2854265	0	0
18352	Olfr52	0.007	-0.013	0.070	0	0	0	0	0	0	NM_146583	olfactory receptor 52 (Olfr52), mRNA.	Mme-M400012008	ILMN_2688543	0	0
259066	Olfr520	0.009	-0.024	-0.016	0	0	0	0	0	0	NM_147063	olfactory receptor 520 (Olfr520), mRNA.	Mme-M400003192	ILMN_2773082	0	0
258353	Olfr521	-0.141	0.002	-0.062	0	0	0	0	0	0	NM_146356	olfactory receptor 521 (Olfr521), mRNA.	Mme-M400003282	ILMN_2615054	0	0
258954	Olfr522	-0.096	0.037	-0.003	0	0	0	0	0	0	NM_146952	olfactory receptor 522 (Olfr522), mRNA.	Mme-M300021837	ILMN_2750658	0	0
258511	Olfr523	-0.019	0.065	0.050	0	0	0	0	0	0	NM_146518	olfactory receptor 523 (Olfr523), mRNA.	Mme-M300021708	ILMN_1251687	0	0
258055	Olfr524	-0.127	0.063	-0.022	0	0	0	0	0	0	NM_001011814	olfactory receptor 524 (Olfr524), mRNA.	Mme-M400003677	ILMN_3160809	0	0
258958	Olfr525	-0.085	0.031	-0.058	0	0	0	0	0	0	NM_146956	olfactory receptor 525 (Olfr525), mRNA.	Mme-M400007386	ILMN_2532905	0	0
257939	Olfr527	-0.258	0.022	-0.035	0	0	0	0	0	0	NM_001011776	olfactory receptor 527 (Olfr527), mRNA.	Mme-M400007983	ILMN_2877595	0	0
258962	Olfr53	-0.180	-0.056	-0.038	0	0	0	0	0	0	NM_146960	olfactory receptor 53 (Olfr53), mRNA.	Mme-M400006275	ILMN_2498577	0	0
258512	Olfr530	-0.018	-0.053	-0.086	0	0	0	0	0	0	NM_146519	olfactory receptor 530 (Olfr530), mRNA.	Mme-M400009543	ILMN_2690783	0	0
258955	Olfr531	-0.208	-0.008	-0.010	0	0	0	0	0	0	NM_146953	olfactory receptor 531 (Olfr531), mRNA.	Mme-M400007953	ILMN_1215808	0	0
259028	Olfr532	-0.227	0.084	-0.060	0	0	0	0	0	0	NM_147026	olfactory receptor 532 (Olfr532), mRNA.	Mme-M400008432	ILMN_1218630	0	0
258056	Olfr533	0.031	0.084	0.041	0	0	0	0	0	0	NM_001011815	olfactory receptor 533 (Olfr533), mRNA.	Mme-M400005668	ILMN_3160847	0	0
258956	Olfr535	-0.125	-0.059	-0.071	0	0	0	0	0	0	NM_146954	olfactory receptor 535 (Olfr535), mRNA.	Mme-M400008163	ILMN_2535079	0	0
258513	Olfr536	-0.022	-0.027	0.084	0	0	0	0	0	0	NM_146520	olfactory receptor 536 (Olfr536), mRNA.	Mme-M400004148	ILMN_1231381	0	0
258201	Olfr538	-0.137	-0.025	-0.070	0	0	0	0	0	0	NM_001011867	olfactory receptor 538 (Olfr538), mRNA.	Mme-M400006384	ILMN_2919824	0	0
258963	Olfr539	0.294	-0.051	-0.045	0	0	0	0	0	0	NM_146961	olfactory receptor 539 (Olfr539), mRNA.	Mme-M400006670	ILMN_1253441	0	0
18354	Olfr54	-0.057	-0.017	0.047	0	0	0	0	0	0	NM_010997	olfactory receptor 54 (Olfr54), mRNA.	Mme-M400006788	ILMN_1249015	0	0
258964	Olfr541	-0.109	-0.161	0.062	0	0	0	0	0	0	NM_146962	olfactory receptor 541 (Olfr541), mRNA.	Mme-M400006148	ILMN_1227921	0	0
257947	Olfr543	-0.395	0.122	0.003	0	0	0	0	0	0	NM_001011782	olfactory receptor 543 (Olfr543), mRNA.	Mme-M400002950	ILMN_3161428	0	0
258837	Olfr545	0.352	-0.029	-0.062	0	0	0	0	0	0	NM_146840	olfactory receptor 545 (Olfr545), mRNA.	Mme-M400002952	ILMN_1212762	0	0
259083	Olfr547	-0.131	0.066	-0.076	0	0	0	0	0	0	NM_147079	olfactory receptor 547 (Olfr547), mRNA.	Mme-M400012165	ILMN_2647686	0	0
259105	Olfr549	-0.532	-0.037	0.038	0	0	0	0	0	0	NM_147101	olfactory receptor 549 (Olfr549), mRNA.	Mme-M400012170	ILMN_2798097	0	0
259108	Olfr550	-0.285	0.045	0.002	0	0	0	0	0	0	NM_147104	olfactory receptor 550 (Olfr550), mRNA.	Mme-M300014950	ILMN_2684838	0	0
258750	Olfr551	-0.027	-0.032	0.042	0	0	0	0	0	0	NM_146755	olfactory receptor 551 (Olfr551), mRNA.	Mme-M300014970	ILMN_2600568	0	0
259106	Olfr552	-0.388	-0.053	0.035	0	0	0	0	0	0	NM_147102	olfactory receptor 552 (Olfr552), mRNA.	Mme-M300016701	ILMN_2594364	0	0
233578	Olfr553	-0.077	-0.015	0.016	0	0	0	0	0	0	NM_207621	olfactory receptor 553 (Olfr553), mRNA.	Mme-M300013821	ILMN_2603782	0	0
258322	Olfr554	-0.083	0.057	-0.045	0	0	0	0	0	0	NM_146325	olfactory receptor 554 (Olfr554), mRNA.	Mme-M300018308	ILMN_2590359	0	0
259107	Olfr555	0.264	0.001	-0.126	0	0	0	0	0	0	NM_147103	olfactory receptor 555 (Olfr555), mRNA.	Mme-M400003513	ILMN_2767446	0	0
258749	Olfr556	-0.044	-0.018	0.041	0	0	0	0	0	0	NM_146754	olfactory receptor 556 (Olfr556), mRNA.	Mme-M300019148	ILMN_2690884	0	0
258358	Olfr557	-0.187	0.110	0.061	0	0	0	0	0	0	NM_146361	olfactory receptor 557 (Olfr557), mRNA.	Mme-M300016941	ILMN_2733435	0	0
259097	Olfr558	0.074	0.036	0.041	0	0	0	0	0	0	NM_147093	olfactory receptor 558 (Olfr558), mRNA.	Mme-M300019785	ILMN_2631693	0	0
259116	Olfr559	0.006	-0.073	0.048	0	0	0	0	0	0	NM_147112	olfactory receptor 559 (Olfr559), mRNA.	Mme-M400008585	ILMN_2811339	0	0
18356	Olfr56	-0.207	0.029	-0.007	0	0	0	0	0	0	NM_010999	olfactory receptor 56 (Olfr56), mRNA.	Mme-M300019638	ILMN_1255631	0	0
259117	Olfr560	-0.031	-0.051	0.075	0	0	0	0	0	0	NM_147113	olfactory receptor 560 (Olfr560), mRNA.	Mme-M400012173	ILMN_1240724	0	0
259096	Olfr561	-0.035	-0.053	-0.066	0	0	0	0	0	0	NM_147092	olfactory receptor 561 (Olfr561), mRNA.	Mme-M300022321	ILMN_2714080	0	0
258356	Olfr564	-0.485	-0.004	0.019	0	0	0	0	0	0	NM_146359	olfactory receptor 564 (Olfr564), mRNA.	Mme-M300019266	ILMN_2842554	0	0
258168	Olfr566	0.171	0.093	0.000	0	0	0	0	0	0	NM_001011536	olfactory receptor 566 (Olfr566), mRNA.	Mme-M400010513	ILMN_3162439	0	0
259095	Olfr568	-0.142	-0.060	0.025	0	0	0	0	0	0	NM_147091	olfactory receptor 568 (Olfr568), mRNA.	Mme-M300016184	ILMN_2646854	0	0
259092	Olfr569	-0.048	0.034	-0.105	0	0	0	0	0	0	NM_147088	olfactory receptor 569 (Olfr569), mRNA.	Mme-M400007700	ILMN_1231609	0	0
18357	Olfr57	-0.268	-0.048	-0.071	0	0	0	0	0	0	NM_147041	olfactory receptor 57 (Olfr57), mRNA.	Mme-M400007136	ILMN_2766433	0	0
259114	Olfr570	-0.031	-0.020	0.062	0	0	0	0	0	0	NM_147110	olfactory receptor 570 (Olfr570), mRNA.	Mme-M300014319	ILMN_2636578	0	0
259089	Olfr571	-0.098	0.007	0.077	0	0	0	0	0	0	NM_147085	olfactory receptor 571 (Olfr571), mRNA.	Mme-M300014384	ILMN_1247936	0	0
259093	Olfr572	-0.217	-0.107	-0.023	0	0	0	0	0	0	NM_147089	olfactory receptor 572 (Olfr572), mRNA.	Mme-M400012168	ILMN_2771359	0	0
258357	Olfr574	0.027	-0.036	-0.012	0	0	0	0	0	0	NM_146360	olfactory receptor 574 (Olfr574), mRNA.	Mme-M400011956	ILMN_2774654	0	0
259118	Olfr575	0.100	0.045	-0.015	0	0	0	0	0	0	NM_147114	olfactory receptor 575 (Olfr575), mRNA.	Mme-M300020887	ILMN_2791541	0	0
258248	Olfr576	0.004	-0.023	0.048	0	0	0	0	0	0	NM_001001805	olfactory receptor 576 (Olfr576), mRNA.	Mme-M300013748	ILMN_2796129	0	0
259113	Olfr577	0.065	-0.033	-0.062	0	0	0	0	0	0	NM_147109	olfactory receptor 577 (Olfr577), mRNA.	Mme-M300014430	ILMN_1248452	0	0
259119	Olfr578	-0.488	-0.033	-0.053	0	0	0	0	0	0	NM_147115	olfactory receptor 578 (Olfr578), mRNA.	Mme-M300016727	ILMN_2707652	0	0
259055	Olfr582	0.010	-0.103	-0.042	0	0	0	0	0	0	NM_147053	olfactory receptor 582 (Olfr582), mRNA.	Mme-M400009521	ILMN_2696600	0	0
258752	Olfr583	-0.065	-0.038	0.029	0	0	0	0	0	0	NM_146757	olfactory receptor 583 (Olfr583), mRNA.	Mme-M400007142	ILMN_2737050	0	0
259056	Olfr584	-0.362	-0.011	0.013	0	0	0	0	0	0	NM_147054	olfactory receptor 584 (Olfr584), mRNA.	Mme-M400006025	ILMN_2739006	0	0
259091	Olfr585	0.084	-0.085	-0.101	0	0	0	0	0	0	NM_147087	olfactory receptor 585 (Olfr585), mRNA.	Mme-M400005715	ILMN_2946430	0	0
259115	Olfr586	0.036	-0.095	-0.071	0	0	0	0	0	0	NM_147111	olfactory receptor 586 (Olfr586), mRNA.	Mme-M400004235	ILMN_2600115	0	0
259054	Olfr589	0.016	0.027	-0.022	0	0	0	0	0	0	NM_147052	olfactory receptor 589 (Olfr589), mRNA.	Mme-M400003815	ILMN_1223408	0	0
18359	Olfr59	0.014	0.075	0.001	0	0	0	0	0	0	NM_011002	olfactory receptor 59 (Olfr59), mRNA.	Mme-M400008364	ILMN_2606754	0	0
258139	Olfr591	-0.350	0.005	-0.089	0	0	0	0	0	0	NM_001011847	olfactory receptor 591 (Olfr591), mRNA.	Mme-M400005932	ILMN_2934857	0	0
404317	Olfr592	0.049	0.004	0.046	0	0	0	0	0	0	NM_207556	olfactory receptor 592 (Olfr592), mRNA.	Mme-M300019624	ILMN_1235774	0	0
258378	Olfr593	-0.181	0.056	-0.064	0	0	0	0	0	0	NM_146380	olfactory receptor 593 (Olfr593), mRNA.	Mme-M400006636	ILMN_1243178	0	0
258246	Olfr594	-0.130	-0.100	0.008	0	0	0	0	0	0	NM_207143	olfactory receptor 594 (Olfr594), mRNA.	Mme-M300016097	ILMN_1226190	0	0
258135	Olfr597	-0.064	-0.107	-0.029	0	0	0	0	0	0	NM_001011845	olfactory receptor 597 (Olfr597), mRNA.	Mme-M400006783	ILMN_3160543	0	0
257975	Olfr598	-0.202	-0.093	0.051	0	0	0	0	0	0	NM_001011793	olfactory receptor 598 (Olfr598), mRNA.	Mme-M400007789	ILMN_2840101	0	0
258726	Olfr599	-0.015	0.026	0.036	0	0	0	0	0	0	NM_146731	olfactory receptor 599 (Olfr599), mRNA.	Mme-M300016878	ILMN_2606043	0	0
233670	Olfr6	-0.038	-0.200	-0.012	0	0	0	0	0	0	NM_206897	olfactory receptor 6 (Olfr6), mRNA.	Mme-M300010479	ILMN_2708938	0	0
18361	Olfr60	-0.267	0.004	-0.078	0	0	0	0	0	0	NM_146955	olfactory receptor 60 (Olfr60), mRNA.	Mme-M400007092	ILMN_2737550	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
259048	Olfr600	-0.178	-0.063	-0.056	0	0	0	0	0	0	NM_147046	olfactory receptor 600 (Olfr600), mRNA.	Mme-M300016482	ILMN_2825410	0	0
258311	Olfr601	-0.280	0.051	0.038	0	0	0	0	0	0	NM_146314	olfactory receptor 601 (Olfr601), mRNA.	Mme-M400007342	ILMN_1256141	0	0
259073	Olfr603	0.075	-0.061	-0.027	0	0	0	0	0	0	NM_147070	olfactory receptor 604 (Olfr604), mRNA.	Mme-M400009522	ILMN_2589902	0	0
258156	Olfr605	-0.322	0.028	0.071	0	0	0	0	0	0	NM_001011854	olfactory receptor 605 (Olfr605), mRNA.	Mme-M400006175	ILMN_3160282	0	0
259098	Olfr606	-0.113	0.068	0.088	0	0	0	0	0	0	NM_147094	olfactory receptor 606 (Olfr606), mRNA.	Mme-M300014892	ILMN_2741953	0	0
258751	Olfr608	-0.003	-0.066	0.039	0	0	0	0	0	0	NM_146756	olfactory receptor 608 (Olfr608), mRNA.	Mme-M400003864	ILMN_1243468	0	0
259086	Olfr609	-0.256	-0.029	-0.069	0	0	0	0	0	0	NM_147082	olfactory receptor 609 (Olfr609), mRNA.	Mme-M400012166	ILMN_2802733	0	0
18362	Olfr61	0.081	0.023	0.139	0	0	0	0	0	0	NM_146964	olfactory receptor 61 (Olfr61), mRNA.	Mme-M400008566	ILMN_2596379	0	0
259085	Olfr610	-0.405	-0.024	-0.049	0	0	0	0	0	0	NM_147081	olfactory receptor 610 (Olfr610), mRNA.	Mme-M300016520	ILMN_3160741	0	0
258722	Olfr611	-0.456	-0.032	0.032	0	0	0	0	0	0	NM_146727	olfactory receptor 611 (Olfr611), mRNA.	Mme-M400010514	ILMN_2937158	0	0
259104	Olfr613	-0.321	0.009	-0.035	0	0	0	0	0	0	NM_147100	olfactory receptor 614 (Olfr614), mRNA.	Mme-M400012169	ILMN_2681275	0	0
259084	Olfr615	-0.141	-0.086	0.073	0	0	0	0	0	0	NM_147080	olfactory receptor 615 (Olfr615), mRNA.	Mme-M300015518	ILMN_1231317	0	0
259103	Olfr616	-0.144	0.082	0.031	0	0	0	0	0	0	NM_147099	olfactory receptor 616 (Olfr616), mRNA.	Mme-M300018390	ILMN_1221108	0	0
258838	Olfr617	0.043	-0.062	0.035	0	0	0	0	0	0	NM_146841	olfactory receptor 617 (Olfr617), mRNA.	Mme-M400007635	ILMN_2690901	0	0
259049	Olfr618	0.095	0.033	0.098	0	0	0	0	0	0	NM_147047	olfactory receptor 618 (Olfr618), mRNA.	Mme-M400003012	ILMN_2861686	0	0
259080	Olfr619	0.043	0.026	0.013	0	0	0	0	0	0	NM_147076	olfactory receptor 619 (Olfr619), mRNA.	Mme-M400007965	ILMN_2714128	0	0
18363	Olfr62	-0.306	-0.011	-0.032	0	0	0	0	0	0	NM_146315	olfactory receptor 62 (Olfr62), mRNA.	Mme-M400011945	ILMN_2609212	0	0
258808	Olfr620	-0.078	-0.033	-0.048	0	0	0	0	0	0	NM_146812	olfactory receptor 620 (Olfr620), mRNA.	Mme-M400002988	ILMN_1231655	0	0
259087	Olfr622	-0.099	-0.001	0.030	0	0	0	0	0	0	NM_147083	olfactory receptor 622 (Olfr622), mRNA.	Mme-M400003645	ILMN_2722641	0	0
259126	Olfr623	-0.193	-0.018	0.035	0	0	0	0	0	0	NM_147122	olfactory receptor 623 (Olfr623), mRNA.	Mme-M400005057	ILMN_2919101	0	0
258189	Olfr624	-0.151	-0.017	-0.096	0	0	0	0	0	0	NM_001011865	olfactory receptor 624 (Olfr624), mRNA.	Mme-M400003075	ILMN_2944019	0	0
258818	Olfr629	-0.396	0.034	-0.022	0	0	0	0	0	0	NM_146821	olfactory receptor 629 (Olfr629), mRNA.	Mme-M300018391	ILMN_2613373	0	0
258939	Olfr63	-0.303	-0.009	-0.075	0	0	0	0	0	0	NM_146937	olfactory receptor 63 (Olfr63), mRNA.	Mme-M400004902	ILMN_2608264	0	0
259102	Olfr630	-0.106	0.116	0.024	0	0	0	0	0	0	NM_147098	olfactory receptor 630 (Olfr630), mRNA.	Mme-M300020987	ILMN_2875550	0	0
258961	Olfr631	-0.127	0.001	-0.013	0	0	0	0	0	0	NM_146959	olfactory receptor 631 (Olfr631), mRNA.	Mme-M300013576	ILMN_2624761	0	0
259123	Olfr632	-0.046	0.056	-0.053	0	0	0	0	0	0	NM_147119	olfactory receptor 632 (Olfr632), mRNA.	Mme-M300015468	ILMN_2666320	0	0
258351	Olfr633	0.108	-0.040	-0.113	0	0	0	0	0	0	NM_146354	olfactory receptor 633 (Olfr633), mRNA.	Mme-M400004101	ILMN_1222439	0	0
259122	Olfr635	0.085	-0.162	0.044	0	0	0	0	0	0	NM_147118	olfactory receptor 635 (Olfr635), mRNA.	Mme-M400007778	ILMN_2638237	0	0
259124	Olfr638	0.004	-0.005	-0.103	0	0	0	0	0	0	NM_147120	olfactory receptor 638 (Olfr638), mRNA.	Mme-M400008088	ILMN_2633907	0	0
259088	Olfr639	0.033	-0.048	-0.049	0	0	0	0	0	0	NM_147084	olfactory receptor 639 (Olfr639), mRNA.	Mme-M400012167	ILMN_1218318	0	0
18366	Olfr64	-0.066	-0.086	0.014	0	0	0	0	0	0	NM_013617	olfactory receptor 64 (Olfr64), mRNA.	Mme-M400008343	ILMN_1256949	0	0
258819	Olfr640	-0.021	-0.045	0.017	0	0	0	0	0	0	NM_146822	olfactory receptor 640 (Olfr640), mRNA.	Mme-M400012081	ILMN_2644084	0	0
259075	Olfr641	-0.350	0.026	-0.025	0	0	0	0	0	0	NM_147072	olfactory receptor 641 (Olfr641), mRNA.	Mme-M300017873	ILMN_2703233	0	0
258326	Olfr642	-0.345	-0.103	0.000	0	0	0	0	0	0	NM_146329	olfactory receptor 642 (Olfr642), mRNA.	Mme-M300020522	ILMN_1246982	0	0
259081	Olfr643	-0.450	0.001	0.102	0	0	0	0	0	0	NM_147077	olfactory receptor 643 (Olfr643), mRNA.	Mme-M400006416	ILMN_2650565	0	0
259125	Olfr644	-0.114	0.048	0.056	0	0	0	0	0	0	NM_147121	olfactory receptor 644 (Olfr644), mRNA.	Mme-M400007713	ILMN_2717767	0	0
258247	Olfr645	-0.025	-0.086	0.029	0	0	0	0	0	0	NM_207144	olfactory receptor 645 (Olfr645), mRNA.	Mme-M300021989	ILMN_1238709	0	0
259058	Olfr646	0.069	-0.014	0.046	0	0	0	0	0	0	NM_147056	olfactory receptor 646 (Olfr646), mRNA.	Mme-M400005231	ILMN_1219024	0	0
258746	Olfr648	-0.035	0.005	-0.115	0	0	0	0	0	0	NM_146751	olfactory receptor 648 (Olfr648), mRNA.	Mme-M300013999	ILMN_1256392	0	0
259057	Olfr649	0.020	-0.113	-0.009	0	0	0	0	0	0	NM_147055	olfactory receptor 649 (Olfr649), mRNA.	Mme-M400002959	ILMN_2619810	0	0
18365	Olfr65	-0.089	-0.085	0.056	0	0	0	0	0	0	NM_013616	olfactory receptor 65 (Olfr65), mRNA.	Mme-M400011206	ILMN_2777127	0	0
258809	Olfr651	0.026	-0.092	0.058	0	0	0	0	0	0	NM_146813	olfactory receptor 651 (Olfr651), mRNA.	Mme-M300017612	ILMN_1230824	0	0
259050	Olfr652	-0.198	0.062	-0.079	0	0	0	0	0	0	NM_147048	olfactory receptor 652 (Olfr652), mRNA.	Mme-M400004785	ILMN_1233010	0	0
57250	Olfr653	-0.135	-0.012	-0.013	0	0	0	0	0	0	NM_147074	olfactory receptor 653 (Olfr653), mRNA.	Mme-M300016655	ILMN_2745912	0	0
258377	Olfr654	0.111	-0.001	-0.063	0	0	0	0	0	0	NM_146379	olfactory receptor 654 (Olfr654), mRNA.	Mme-M300016847	ILMN_2695724	0	0
258817	Olfr655	-0.134	0.073	-0.010	0	0	0	0	0	0	NM_146820	olfactory receptor 655 (Olfr655), mRNA.	Mme-M400012080	ILMN_2729333	0	0
259078	Olfr656	-0.110	-0.010	-0.011	0	0	0	0	0	0	NM_147075	olfactory receptor 656 (Olfr656), mRNA.	Mme-M300018464	ILMN_1218528	0	0
258309	Olfr657	-0.309	-0.054	-0.013	0	0	0	0	0	0	NM_146312	olfactory receptor 657 (Olfr657), mRNA.	Mme-M400011943	ILMN_2772534	0	0
259051	Olfr658	-0.023	-0.038	-0.015	0	0	0	0	0	0	NM_147049	olfactory receptor 658 (Olfr658), mRNA.	Mme-M400009525	ILMN_2679919	0	0
259052	Olfr659	0.042	0.020	-0.048	0	0	0	0	0	0	NM_147050	olfactory receptor 659 (Olfr659), mRNA.	Mme-M400003098	ILMN_1231113	0	0
258743	Olfr661	-0.006	0.004	-0.023	0	0	0	0	0	0	NM_146748	olfactory receptor 661 (Olfr661), mRNA.	Mme-M400007913	ILMN_2688387	0	0
257914	Olfr663	0.022	-0.010	-0.086	0	0	0	0	0	0	NM_001011757	olfactory receptor 663 (Olfr663), mRNA.	Mme-M400007102	ILMN_3160944	0	0
258810	Olfr665	-0.123	-0.103	-0.101	0	0	0	0	0	0	NM_146814	olfactory receptor 665 (Olfr665), mRNA.	Mme-M400003766	ILMN_1223342	0	0
259100	Olfr666	-0.114	0.016	-0.042	0	0	0	0	0	0	NM_147096	olfactory receptor 666 (Olfr666), mRNA.	Mme-M400008332	ILMN_1231239	0	0
259062	Olfr667	-0.456	-0.050	-0.067	0	0	0	0	0	0	NM_147060	olfactory receptor 667 (Olfr667), mRNA.	Mme-M400012162	ILMN_1213880	0	0
259061	Olfr668	-0.191	0.069	-0.028	0	0	0	0	0	0	NM_147059	olfactory receptor 668 (Olfr668), mRNA.	Mme-M400012161	ILMN_2835637	0	0
259045	Olfr669	0.088	-0.052	0.057	0	0	0	0	0	0	NM_147043	olfactory receptor 669 (Olfr669), mRNA.	Mme-M300015973	ILMN_2667864	0	0
384703	Olfr670	-0.084	-0.059	-0.078	0	0	0	0	0	0	NM_207146	olfactory receptor 670 (Olfr670), mRNA.	Mme-M400002931	ILMN_2997653	0	0
257910	Olfr671	-0.175	0.010	0.021	0	0	0	0	0	0	NM_001011755	olfactory receptor 671 (Olfr671), mRNA.	Mme-M400010515	ILMN_3160916	0	0
258755	Olfr672	-0.048	-0.049	0.053	0	0	0	0	0	0	NM_146760	olfactory receptor 672 (Olfr672), mRNA.	Mme-M200008614	ILMN_1259759	0	0
258147	Olfr675	-0.131	-0.028	0.062	0	0	0	0	0	0	NM_001011848	olfactory receptor 675 (Olfr675), mRNA.	Mme-M400008114	ILMN_3160759	0	0
259099	Olfr676	-0.112	0.077	0.023	0	0	0	0	0	0	NM_147095	olfactory receptor 676 (Olfr676), mRNA.	Mme-M400004131	ILMN_1256438	0	0
258355	Olfr677	-0.003	-0.039	-0.005	0	0	0	0	0	0	NM_146358	olfactory receptor 677 (Olfr677), mRNA.	Mme-M400007390	ILMN_1251653	0	0
258753	Olfr678	-0.338	0.032	-0.016	0	0	0	0	0	0	NM_146758	olfactory receptor 678 (Olfr678), mRNA.	Mme-M400007813	ILMN_1233983	0	0
259046	Olfr679	-0.342	0.015	0.050	0	0	0	0	0	0	NM_147044	olfactory receptor 679 (Olfr679), mRNA.	Mme-M400008188	ILMN_1234776	0	0
18369	Olfr68	-0.182	-0.069	0.108	0	0	0	0	0	0	NM_013620	olfactory receptor 68 (Olfr68), mRNA.	Mme-M400006436	ILMN_2900079	0	0
404318	Olfr681	-0.163	0.053	0.031	0	0	0	0	0	0	NM_207557	olfactory receptor 681 (Olfr681), mRNA.	Mme-M400006104	ILMN_2781714	0	0
259047	Olfr683	-0.013	0.031	0.089	0	0	0	0	0	0	NM_147045	olfactory receptor 683 (Olfr683), mRNA.	Mme-M300015161	ILMN_1219362	0	0
244187	Olfr684	-0.026	0.092	-0.130	0	0	0	0	0	0	NM_207249	olfactory receptor 684 (Olfr684), mRNA.	Mme-M300018080	ILMN_2755261	0	0
258160	Olfr685	-0.377	-0.037	0.011	0	0	0	0	0	0	NM_001011857	olfactory receptor 685 (Olfr685), mRNA.	Mme-M400003345	ILMN_3161860	0	0
259072	Olfr686	0.131	-0.048	-0.014	0	0	0	0	0	0	NM_147069	olfactory receptor 686 (Olfr686), mRNA.	Mme-M300019222	ILMN_2654109	0	0
259161	Olfr688	-0.041	-0.029	0.068	0	0	0	0	0	0	NM_001011533	olfactory receptor 688 (Olfr688), mRNA.	Mme-M400006318	ILMN_3161954	0	0
258745	Olfr689	-0.215	0.031	-0.015	0	0	0	0	0	0	NM_146750	olfactory receptor 689 (Olfr689), mRNA.	Mme-M400007262	ILMN_2628377	0	0
56860	Olfr690	-0.019	-0.025	-0.030	0	0	0	0	0	0	NM_020290	olfactory receptor 690 (Olfr690), mRNA.	Mme-M200008612	ILMN_2591861	0	0
259063	Olfr691	-0.188	0.071	0.088	0	0	0	0	0	0	NM_147061	olfactory receptor 691 (Olfr691), mRNA.	Mme-M300015002	ILMN_1225404	0	0
258352	Olfr692	-0.044	0.107	-0.071	0	0	0	0	0	0	NM_146355	olfactory receptor 692 (Olfr692), mRNA.	Mme-M300020666	ILMN_2607075	0	0
258445	Olfr693	-0.218	0.018	0.038	0	0	0	0	0	0	NM_146453	olfactory receptor 693 (Olfr693), mRNA.	Mme-M400003860	ILMN_2739637	0	0
258444	Olfr694	-0.327	-0.038	0.021	0	0	0	0	0	0	NM_146452	olfactory receptor 694 (Olfr694), mRNA.	Mme-M400008602	ILMN_1231923	0	0
258591	Olfr695	-0.068	-0.027	0.014	0	0	0	0	0	0	NM_146598	olfactory receptor 695 (Olfr695), mRNA.	Mme-M400006090	ILMN_1237320	0	0
258592	Olfr697	-0.430	0.043	-0.096	0	0	0	0	0	0	NM_146599	olfactory receptor 697 (Olfr697), mRNA.	Mme-M300022211	ILMN_1223349	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258595	Olfr698	-0.187	0.104	-0.082	0	0	0	0	0	0	NM_146602	olfactory receptor 698 (Olfr698), mRNA.	Mme-M400006639	ILMN_1213368	0	0
258180	Olfr699	-0.107	0.042	0.057	0	0	0	0	0	0	NM_001011862	olfactory receptor 699 (Olfr699), mRNA.	Mme-M400004274	ILMN_2789964	0	0
56014	Olfr70	-0.276	-0.010	0.059	0	0	0	0	0	0	NM_019485	olfactory receptor 70 (Olfr70), mRNA.	Mme-M200015964	ILMN_2484965	0	0
258593	Olfr700	-0.211	-0.077	0.022	0	0	0	0	0	0	NM_146600	olfactory receptor 700 (Olfr700), mRNA.	Mme-M400006848	ILMN_1219081	0	0
66786	Olfr701	-0.184	-0.034	-0.036	0	0	0	0	0	0	NM_028910	olfactory receptor 701 (Olfr701), mRNA.	Mme-M200010741	ILMN_1214501	0	0
258590	Olfr702	-0.229	0.036	-0.048	0	0	0	0	0	0	NM_146597	olfactory receptor 702 (Olfr702), mRNA.	Mme-M300020767	ILMN_1252706	0	0
258589	Olfr703	-0.458	-0.076	0.046	0	0	0	0	0	0	NM_146596	olfactory receptor 703 (Olfr703), mRNA.	Mme-M300018534	ILMN_1244304	0	0
257902	Olfr704	-0.127	0.000	-0.016	0	0	0	0	0	0	NM_001011749	olfactory receptor 704 (Olfr704), mRNA.	Mme-M400007936	ILMN_2926690	0	0
259034	Olfr705	-0.391	0.092	-0.119	0	0	0	0	0	0	NM_147032	olfactory receptor 705 (Olfr705), mRNA.	Mme-M400003256	ILMN_1221409	0	0
258350	Olfr706	-0.011	-0.019	-0.076	0	0	0	0	0	0	NM_146353	olfactory receptor 706 (Olfr706), mRNA.	Mme-M400002773	ILMN_2621223	0	0
194433	Olfr707	-0.058	-0.071	0.112	0	0	0	0	0	0	NM_001005570	olfactory receptor 707 (Olfr707), mRNA.	Mme-M400005643	ILMN_3011836	0	0
56015	Olfr71	-0.188	-0.001	0.144	0	0	0	0	0	0	NM_019486	olfactory receptor 71 (Olfr71), mRNA.	Mme-M200015963	ILMN_1215564	0	0
258594	Olfr710	-0.340	-0.043	0.004	0	0	0	0	0	0	NM_146601	olfactory receptor 710 (Olfr710), mRNA.	Mme-M300016517	ILMN_2671352	0	0
259037	Olfr711	-0.071	-0.207	0.069	0	0	0	0	0	0	NM_147035	olfactory receptor 711 (Olfr711), mRNA.	Mme-M300015992	ILMN_2963526	0	0
259036	Olfr713	0.113	0.015	-0.031	0	0	0	0	0	0	NM_147034	olfactory receptor 713 (Olfr713), mRNA.	Mme-M400012158	ILMN_1224608	0	0
259035	Olfr714	0.055	-0.049	0.002	0	0	0	0	0	0	NM_147033	olfactory receptor 714 (Olfr714), mRNA.	Mme-M400012157	ILMN_1245817	0	0
258776	Olfr715	0.036	0.118	-0.030	0	0	0	0	0	0	NM_146780	olfactory receptor 715 (Olfr715), mRNA.	Mme-M400008053	ILMN_2692033	0	0
258597	Olfr716	0.015	0.052	0.033	0	0	0	0	0	0	NM_146604	olfactory receptor 716 (Olfr716), mRNA.	Mme-M300018267	ILMN_1222834	0	0
258387	Olfr720	-0.190	-0.070	0.008	0	0	0	0	0	0	NM_146392	olfactory receptor 720 (Olfr720), mRNA.	Mme-M400004115	ILMN_3004522	0	0
258487	Olfr722	-0.014	-0.054	-0.089	0	0	0	0	0	0	NM_146494	olfactory receptor 722 (Olfr722), mRNA.	Mme-M300019705	ILMN_2632903	0	0
259147	Olfr723	-0.039	0.018	-0.038	0	0	0	0	0	0	NM_001011530	olfactory receptor 723 (Olfr723), mRNA.	Mme-M400007908	ILMN_2884451	0	0
258485	Olfr724	-0.020	-0.062	-0.083	0	0	0	0	0	0	NM_146492	olfactory receptor 724 (Olfr724), mRNA.	Mme-M400011991	ILMN_1218277	0	0
258313	Olfr726	-0.158	-0.143	0.039	0	0	0	0	0	0	NM_146316	olfactory receptor 726 (Olfr726), mRNA.	Mme-M400008934	ILMN_2738413	0	0
258316	Olfr727	0.078	0.060	0.141	0	0	0	0	0	0	NM_146319	olfactory receptor 727 (Olfr727), mRNA.	Mme-M400006825	ILMN_2741180	0	0
258039	Olfr728	-0.149	-0.061	-0.081	0	0	0	0	0	0	NM_001011809	olfactory receptor 728 (Olfr728), mRNA.	Mme-M400003633	ILMN_3160356	0	0
258275	Olfr729	-0.218	0.055	-0.036	0	0	0	0	0	0	NM_146278	olfactory receptor 729 (Olfr729), mRNA.	Mme-M300019780	ILMN_1253398	0	0
117004	Olfr73	0.067	-0.049	0.007	0	0	0	0	0	0	NM_054090	olfactory receptor 73 (Olfr73), mRNA.	Mme-M400011788	ILMN_2668756	0	0
258486	Olfr730	0.053	-0.015	0.039	0	0	0	0	0	0	NM_146493	olfactory receptor 730 (Olfr730), mRNA.	Mme-M400003687	ILMN_1224969	0	0
258360	Olfr731	-0.215	-0.008	-0.109	0	0	0	0	0	0	NM_146363	olfactory receptor 731 (Olfr731), mRNA.	Mme-M300018900	ILMN_1237599	0	0
258659	Olfr732	-0.124	-0.072	-0.027	0	0	0	0	0	0	NM_146665	olfactory receptor 732 (Olfr732), mRNA.	Mme-M400006068	ILMN_1249771	0	0
258657	Olfr733	-0.050	-0.051	0.021	0	0	0	0	0	0	NM_146663	olfactory receptor 733 (Olfr733), mRNA.	Mme-M400005645	ILMN_1250702	0	0
258658	Olfr734	-0.553	0.004	0.102	0	0	0	0	0	0	NM_146664	olfactory receptor 734 (Olfr734), mRNA.	Mme-M300016274	ILMN_2651094	0	0
257909	Olfr735	-0.468	0.005	0.000	0	0	0	0	0	0	NM_001011754	olfactory receptor 735 (Olfr735), mRNA.	Mme-M400003132	ILMN_3160906	0	0
258660	Olfr736	-0.089	-0.028	-0.081	0	0	0	0	0	0	NM_146666	olfactory receptor 736 (Olfr736), mRNA.	Mme-M300018551	ILMN_1220803	0	0
258662	Olfr738	-0.243	-0.089	-0.001	0	0	0	0	0	0	NM_146420	olfactory receptor 738 (Olfr738), mRNA.	Mme-M400003580	ILMN_2839257	0	0
258663	Olfr739	-0.291	-0.032	0.075	0	0	0	0	0	0	NM_146668	olfactory receptor 739 (Olfr739), mRNA.	Mme-M400012034	ILMN_1218342	0	0
117005	Olfr74	-0.025	-0.001	0.091	0	0	0	0	0	0	NM_054091	olfactory receptor 74 (Olfr74), mRNA.	Mme-M400011789	ILMN_2777069	0	0
258661	Olfr740	0.082	-0.023	0.006	0	0	0	0	0	0	NM_146667	olfactory receptor 740 (Olfr740), mRNA.	Mme-M400012033	ILMN_2745719	0	0
258233	Olfr741	-0.399	-0.016	-0.051	0	0	0	0	0	0	NM_207133	olfactory receptor 741 (Olfr741), mRNA.	Mme-M400007091	ILMN_1215066	0	0
258422	Olfr742	0.046	-0.106	-0.002	0	0	0	0	0	0	NM_146430	olfactory receptor 742 (Olfr742), mRNA.	Mme-M400006805	ILMN_1249533	0	0
257884	Olfr744	-0.111	0.005	-0.080	0	0	0	0	0	0	NM_001011738	olfactory receptor 744 (Olfr744), mRNA.	Mme-M400004603	ILMN_3161447	0	0
258296	Olfr745	-0.362	-0.111	0.081	0	0	0	0	0	0	NM_146299	olfactory receptor 745 (Olfr745), mRNA.	Mme-M300020737	ILMN_2607889	0	0
258295	Olfr746	0.179	0.011	0.096	0	0	0	0	0	0	NM_146298	olfactory receptor 746 (Olfr746), mRNA.	Mme-M400011941	ILMN_2780656	0	0
258113	Olfr748	0.075	0.029	0.035	0	0	0	0	0	0	NM_001011837	olfactory receptor 748 (Olfr748), mRNA.	Mme-M400007079	ILMN_3160239	0	0
56858	Olfr749	-0.073	0.008	-0.084	0	0	0	0	0	0	NM_020288	olfactory receptor 749 (Olfr749), mRNA.	Mme-M400008936	ILMN_1224751	0	0
404319	Olfr750	0.028	0.033	0.016	0	0	0	0	0	0	NM_207558	olfactory receptor 750 (Olfr750), mRNA.	Mme-M300010156	ILMN_2773535	0	0
258186	Olfr75-ps1	-0.007	0.014	-0.020	0	0	0	0	0	0	NR_002859	olfactory receptor 75, pseudogene 1 (Olfr75-ps1) on chromosome 11.	Mme-M400008779	ILMN_2446184	0	0
258677	Olfr76	-0.218	0.075	0.049	0	0	0	0	0	0	NM_146682	olfactory receptor 76 (Olfr76), mRNA.	Mme-M400012039	ILMN_1213856	0	0
258861	Olfr763	-0.105	0.022	0.094	0	0	0	0	0	0	NM_146862	olfactory receptor 763 (Olfr763), mRNA.	Mme-M300015997	ILMN_2719151	0	0
544748	Olfr765	-0.364	-0.091	-0.062	0	0	0	0	0	0	NM_001085477	olfactory receptor 765 (Olfr765), mRNA.	Mme-M400005659	ILMN_1242092	0	0
258315	Olfr767	0.005	-0.066	-0.112	0	0	0	0	0	0	NM_146318	olfactory receptor 767 (Olfr767), mRNA.	Mme-M400006948	ILMN_1244795	0	0
258863	Olfr768	-0.061	-0.043	-0.095	0	0	0	0	0	0	NM_146864	olfactory receptor 768 (Olfr768), mRNA.	Mme-M400012095	ILMN_2672332	0	0
257667	Olfr769	-0.252	-0.067	0.014	0	0	0	0	0	0	NM_146267	olfactory receptor 769 (Olfr769), mRNA.	Mme-M300013903	ILMN_2641077	0	0
258336	Olfr77	-0.125	-0.066	-0.032	0	0	0	0	0	0	NM_146339	olfactory receptor 77 (Olfr77), mRNA.	Mme-M400003780	ILMN_2604160	0	0
258862	Olfr770	-0.103	0.026	0.006	0	0	0	0	0	0	NM_146863	olfactory receptor 770 (Olfr770), mRNA.	Mme-M300018691	ILMN_2636595	0	0
258540	Olfr771	-0.445	-0.046	0.004	0	0	0	0	0	0	NM_146547	olfactory receptor 771 (Olfr771), mRNA.	Mme-M300019204	ILMN_2901331	0	0
257666	Olfr772	-0.254	-0.107	-0.074	0	0	0	0	0	0	NM_146266	olfactory receptor 772 (Olfr772), mRNA.	Mme-M400006984	ILMN_2835003	0	0
257664	Olfr773	-0.114	0.071	-0.114	0	0	0	0	0	0	NM_207008	olfactory receptor 773 (Olfr773), mRNA.	Mme-M400008736	ILMN_2829343	0	0
258232	Olfr774	-0.459	-0.030	-0.030	0	0	0	0	0	0	NM_207620	olfactory receptor 774 (Olfr774), mRNA.	Mme-M400012660	ILMN_2989898	0	0
258538	Olfr775	0.139	-0.068	0.087	0	0	0	0	0	0	NM_146545	olfactory receptor 1518 (Olfr1518), mRNA.	Mme-M400012001	ILMN_2723259	0	0
404321	Olfr776	-0.137	0.034	0.087	0	0	0	0	0	0	NM_207559	olfactory receptor 776 (Olfr776), mRNA.	Mme-M400006789	ILMN_2901432	0	0
170639	Olfr78	-0.075	-0.146	0.036	0	0	0	0	0	0	NM_130866	olfactory receptor 78 (Olfr78), mRNA.	Mme-M200012154	ILMN_2634768	0	0
258281	Olfr780	0.062	0.014	-0.013	0	0	0	0	0	0	NM_146284	olfactory receptor 780 (Olfr780), mRNA.	Mme-M300017924	ILMN_1240002	0	0
258723	Olfr781	-0.081	0.094	0.048	0	0	0	0	0	0	NM_146728	olfactory receptor 781 (Olfr781), mRNA.	Mme-M400006957	ILMN_2746142	0	0
258724	Olfr784	0.064	0.057	0.028	0	0	0	0	0	0	NM_146729	olfactory receptor 784 (Olfr784), mRNA.	Mme-M400007743	ILMN_2623022	0	0
258542	Olfr786	-0.188	-0.048	-0.042	0	0	0	0	0	0	NM_146549	olfactory receptor 786 (Olfr786), mRNA.	Mme-M400008613	ILMN_1217738	0	0
258544	Olfr788	0.166	0.010	-0.010	0	0	0	0	0	0	NM_146551	olfactory receptor 788 (Olfr788), mRNA.	Mme-M300019972	ILMN_2762172	0	0
258935	Olfr790	-0.123	-0.023	0.100	0	0	0	0	0	0	NM_146933	olfactory receptor 790 (Olfr790), mRNA.	Mme-M400002840	ILMN_2683036	0	0
258932	Olfr791	-0.139	-0.069	-0.056	0	0	0	0	0	0	NM_146930	olfactory receptor 791 (Olfr791), mRNA.	Mme-M400018467	ILMN_2878106	0	0
258375	Olfr794	-0.074	0.037	-0.053	0	0	0	0	0	0	NM_146378	olfactory receptor 794 (Olfr794), mRNA.	Mme-M300015320	ILMN_1255407	0	0
258933	Olfr796	-0.060	0.055	-0.076	0	0	0	0	0	0	NM_146931	olfactory receptor 796 (Olfr796), mRNA.	Mme-M400003970	ILMN_1237133	0	0
258549	Olfr798	-0.576	0.089	0.048	0	0	0	0	0	0	NM_146556	olfactory receptor 798 (Olfr798), mRNA.	Mme-M400006277	ILMN_1235950	0	0
258929	Olfr799	-0.052	0.077	-0.094	0	0	0	0	0	0	NM_146927	olfactory receptor 799 (Olfr799), mRNA.	Mme-M400005729	ILMN_3001636	0	0
18372	Olfr8	0.409	0.028	0.023	0	0	0	0	0	0	NM_207201	olfactory receptor 8 (Olfr8), mRNA.	Mme-M400006940	ILMN_1223135	0	0
258541	Olfr800	0.004	0.026	0.084	0	0	0	0	0	0	NM_146548	olfactory receptor 800 (Olfr800), mRNA.	Mme-M400008280	ILMN_2613796	0	0
258282	Olfr801	-0.297	0.010	0.010	0	0	0	0	0	0	NM_146285	olfactory receptor 801 (Olfr801), mRNA.	Mme-M400006374	ILMN_1259762	0	0
258934	Olfr802	-0.209	0.029	-0.024	0	0	0	0	0	0	NM_146932	olfactory receptor 802 (Olfr802), mRNA.	Mme-M400006795	ILMN_1218390	0	0
258547	Olfr803	0.115	-0.046	-0.005	0	0	0	0	0	0	NM_146554	olfactory receptor 803 (Olfr803), mRNA.	Mme-M400003106	ILMN_2718049	0	0
258068	Olfr804	-0.255	0.011	-0.072	0	0	0	0	0	0	NM_001011821	olfactory receptor 804 (Olfr804), mRNA.	Mme-M400005909	ILMN_3161495	0	0
258546	Olfr806	-0.353	0.090	-0.156	0	0	0	0	0	0	NM_146553	olfactory receptor 806 (Olfr806), mRNA.	Mme-M400003350	ILMN_2922743	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258931	Olfr807	-0.141	-0.035	0.069	0	0	0	0	0	0	NM_146929	olfactory receptor 807 (Olfr807), mRNA.	Mme-M300021175	ILMN_1249712	0	0
258930	Olfr808	-0.182	0.008	-0.049	0	0	0	0	0	0	NM_146928	olfactory receptor 808 (Olfr808), mRNA.	Mme-M400003619	ILMN_2602032	0	0
258321	Olfr809	-0.096	-0.083	-0.087	0	0	0	0	0	0	NM_146324	olfactory receptor 809 (Olfr809), mRNA.	Mme-M400003666	ILMN_2764512	0	0
258543	Olfr810	-0.452	-0.038	0.090	0	0	0	0	0	0	NM_146550	olfactory receptor 810 (Olfr810), mRNA.	Mme-M400008581	ILMN_2637389	0	0
258545	Olfr811	0.105	0.066	-0.026	0	0	0	0	0	0	NM_146552	olfactory receptor 811 (Olfr811), mRNA.	Mme-M400008137	ILMN_2706226	0	0
258791	Olfr812	0.063	-0.061	0.059	0	0	0	0	0	0	NM_146795	olfactory receptor 812 (Olfr812), mRNA.	Mme-M400003494	ILMN_1232617	0	0
258252	Olfr813	-0.057	-0.003	0.005	0	0	0	0	0	0	NM_207147	olfactory receptor 813 (Olfr813), mRNA.	Mme-M400004251	ILMN_2753726	0	0
259165	Olfr814	-0.088	0.023	-0.073	0	0	0	0	0	0	NM_207159	olfactory receptor 814 (Olfr814), mRNA.	Mme-M400006668	ILMN_2680992	0	0
258665	Olfr815	-0.091	0.047	0.035	0	0	0	0	0	0	NM_146670	olfactory receptor 815 (Olfr815), mRNA.	Mme-M400007612	ILMN_2943561	0	0
258667	Olfr816	-0.379	-0.003	0.004	0	0	0	0	0	0	NM_146672	olfactory receptor 816 (Olfr816), mRNA.	Mme-M400008380	ILMN_2731239	0	0
258773	Olfr818	-0.128	-0.040	-0.010	0	0	0	0	0	0	NM_146777	olfactory receptor 818 (Olfr818), mRNA.	Mme-M400006170	ILMN_1243155	0	0
258670	Olfr820	-0.365	-0.128	0.044	0	0	0	0	0	0	NM_146675	olfactory receptor 820 (Olfr820), mRNA.	Mme-M300019521	ILMN_2823628	0	0
258772	Olfr821	-0.225	-0.093	-0.021	0	0	0	0	0	0	NM_146776	olfactory receptor 821 (Olfr821), mRNA.	Mme-M300015881	ILMN_2870513	0	0
258666	Olfr822	0.017	0.058	-0.013	0	0	0	0	0	0	NM_146671	olfactory receptor 822 (Olfr822), mRNA.	Mme-M400006260	ILMN_1246505	0	0
258668	Olfr823	0.015	0.064	-0.011	0	0	0	0	0	0	NM_146673	olfactory receptor 823 (Olfr823), mRNA.	Mme-M400008737	ILMN_2734952	0	0
258669	Olfr824	0.174	-0.004	-0.018	0	0	0	0	0	0	NM_146674	olfactory receptor 824 (Olfr824), mRNA.	Mme-M400005839	ILMN_2719426	0	0
258672	Olfr825	-0.267	-0.055	-0.020	0	0	0	0	0	0	NM_146677	olfactory receptor 825 (Olfr825), mRNA.	Mme-M400006178	ILMN_2755414	0	0
258671	Olfr826	-0.282	0.010	-0.051	0	0	0	0	0	0	NM_146676	olfactory receptor 826 (Olfr826), mRNA.	Mme-M400006988	ILMN_2588637	0	0
258297	Olfr827	0.086	-0.009	0.011	0	0	0	0	0	0	NM_146300	olfactory receptor 827 (Olfr827), mRNA.	Mme-M400011942	ILMN_1230944	0	0
258598	Olfr828	-0.039	0.045	-0.096	0	0	0	0	0	0	NM_146605	olfactory receptor 828 (Olfr828), mRNA.	Mme-M400002786	ILMN_1234579	0	0
259070	Olfr829	-0.049	0.050	0.055	0	0	0	0	0	0	NM_147067	olfactory receptor 829 (Olfr829), mRNA.	Mme-M300022054	ILMN_2688469	0	0
258559	Olfr830	-0.547	0.000	-0.020	0	0	0	0	0	0	NM_146566	olfactory receptor 830 (Olfr830), mRNA.	Mme-M400008016	ILMN_2715382	0	0
258075	Olfr832	-0.421	0.057	-0.043	0	0	0	0	0	0	NM_001011824	olfactory receptor 832 (Olfr832), mRNA.	Mme-M400003748	ILMN_3161842	0	0
257872	Olfr835	0.062	-0.143	-0.018	0	0	0	0	0	0	NM_001012266	olfactory receptor 835 (Olfr835), mRNA.	Mme-M400002997	ILMN_3161869	0	0
258557	Olfr836	0.062	-0.040	0.083	0	0	0	0	0	0	NM_146564	olfactory receptor 836 (Olfr836), mRNA.	Mme-M300019086	ILMN_1240260	0	0
258558	Olfr837	0.093	-0.156	-0.053	0	0	0	0	0	0	NM_146565	olfactory receptor 837 (Olfr837), mRNA.	Mme-M400006939	ILMN_2643659	0	0
258560	Olfr843	-0.038	-0.013	-0.043	0	0	0	0	0	0	NM_146567	olfactory receptor 843 (Olfr843), mRNA.	Mme-M300019196	ILMN_2591659	0	0
258249	Olfr845	-0.239	0.001	-0.031	0	0	0	0	0	0	NM_207145	olfactory receptor 845 (Olfr845), mRNA.	Mme-M300018800	ILMN_2700281	0	0
258279	Olfr846	-0.024	-0.030	0.021	0	0	0	0	0	0	NM_146282	olfactory receptor 846 (Olfr846), mRNA.	Mme-M400006448	ILMN_1229446	0	0
258518	Olfr847	-0.384	-0.018	0.022	0	0	0	0	0	0	NM_146525	olfactory receptor 847 (Olfr847), mRNA.	Mme-M300017054	ILMN_2702652	0	0
258520	Olfr849	-0.104	0.017	0.043	0	0	0	0	0	0	NM_146527	olfactory receptor 849 (Olfr849), mRNA.	Mme-M300020147	ILMN_2635402	0	0
258516	Olfr850	-0.267	0.022	0.002	0	0	0	0	0	0	NM_146523	olfactory receptor 850 (Olfr850), mRNA.	Mme-M400006144	ILMN_2657185	0	0
258907	Olfr851	0.060	-0.004	-0.057	0	0	0	0	0	0	NM_146905	olfactory receptor 851 (Olfr851), mRNA.	Mme-M400004193	ILMN_2622050	0	0
258908	Olfr853	0.029	0.014	0.019	0	0	0	0	0	0	NM_146906	olfactory receptor 853 (Olfr853), mRNA.	Mme-M400003785	ILMN_1236688	0	0
258515	Olfr854	-0.069	-0.032	0.051	0	0	0	0	0	0	NM_146522	olfactory receptor 854 (Olfr854), mRNA.	Mme-M400009603	ILMN_2665527	0	0
258517	Olfr855	0.098	-0.140	0.015	0	0	0	0	0	0	NM_146524	olfactory receptor 855 (Olfr855), mRNA.	Mme-M300014173	ILMN_2770509	0	0
257963	Olfr857	0.051	0.126	-0.036	0	0	0	0	0	0	NM_001012265	olfactory receptor 857 (Olfr857), mRNA.	Mme-M400006955	ILMN_3003919	0	0
258519	Olfr859	-0.072	0.052	0.034	0	0	0	0	0	0	NM_146526	olfactory receptor 859 (Olfr859), mRNA.	Mme-M400011996	ILMN_1255186	0	0
258521	Olfr860	0.136	0.035	-0.038	0	0	0	0	0	0	NM_146528	olfactory receptor 860 (Olfr860), mRNA.	Mme-M400007963	ILMN_2649548	0	0
258555	Olfr862	-0.030	0.021	-0.031	0	0	0	0	0	0	NM_146562	olfactory receptor 862 (Olfr862), mRNA.	Mme-M400008440	ILMN_2748183	0	0
258551	Olfr866	-0.039	0.023	-0.122	0	0	0	0	0	0	NM_146558	olfactory receptor 866 (Olfr866), mRNA.	Mme-M400003736	ILMN_2715690	0	0
257898	Olfr867	-0.129	0.061	-0.032	0	0	0	0	0	0	NM_001011748	olfactory receptor 867 (Olfr867), mRNA.	Mme-M400002901	ILMN_3161367	0	0
258552	Olfr868	-0.286	0.026	-0.044	0	0	0	0	0	0	NM_146559	olfactory receptor 868 (Olfr868), mRNA.	Mme-M300015149	ILMN_2734325	0	0
258550	Olfr869	-0.103	0.023	-0.024	0	0	0	0	0	0	NM_146557	olfactory receptor 869 (Olfr869), mRNA.	Mme-M400006365	ILMN_3162210	0	0
57251	Olfr870	0.077	-0.029	0.044	0	0	0	0	0	0	NM_146904	olfactory receptor 870 (Olfr870), mRNA.	Mme-M400009604	ILMN_2726139	0	0
258905	Olfr871	-0.096	0.002	0.006	0	0	0	0	0	0	NM_146903	olfactory receptor 871 (Olfr871), mRNA.	Mme-M400009605	ILMN_2708077	0	0
258553	Olfr872	-0.083	-0.060	-0.043	0	0	0	0	0	0	NM_146560	olfactory receptor 872 (Olfr872), mRNA.	Mme-M400006471	ILMN_3162342	0	0
258554	Olfr873	-0.100	-0.020	-0.015	0	0	0	0	0	0	NM_146561	olfactory receptor 873 (Olfr873), mRNA.	Mme-M400003491	ILMN_3160657	0	0
258882	Olfr874	-0.121	0.045	0.005	0	0	0	0	0	0	NM_146882	olfactory receptor 874 (Olfr874), mRNA.	Mme-M400008239	ILMN_1252965	0	0
258744	Olfr875	0.138	-0.058	-0.014	0	0	0	0	0	0	NM_146749	olfactory receptor 875 (Olfr875), mRNA.	Mme-M400006418	ILMN_1223838	0	0
258883	Olfr876	0.069	-0.018	-0.002	0	0	0	0	0	0	NM_146883	olfactory receptor 876 (Olfr876), mRNA.	Mme-M400012100	ILMN_2640485	0	0
258412	Olfr877	-0.171	0.108	0.012	0	0	0	0	0	0	NM_146417	olfactory receptor 877 (Olfr877), mRNA.	Mme-M400011973	ILMN_1243598	0	0
258794	Olfr878	-0.073	-0.003	0.025	0	0	0	0	0	0	NM_146798	olfactory receptor 878 (Olfr878), mRNA.	Mme-M400012073	ILMN_2721736	0	0
258413	Olfr881	0.064	-0.085	0.040	0	0	0	0	0	0	NM_146418	olfactory receptor 881 (Olfr881), mRNA.	Mme-M300021794	ILMN_2737893	0	0
258414	Olfr883	0.163	0.031	-0.054	0	0	0	0	0	0	NM_146419	olfactory receptor 883 (Olfr883), mRNA.	Mme-M400008006	ILMN_2688153	0	0
257996	Olfr884	-0.191	0.043	0.043	0	0	0	0	0	0	NM_001011798	olfactory receptor 884 (Olfr884), mRNA.	Mme-M400006202	ILMN_3161978	0	0
257885	Olfr885	-0.021	-0.035	-0.037	0	0	0	0	0	0	NM_001011739	olfactory receptor 885 (Olfr885), mRNA.	Mme-M400005741	ILMN_2805419	0	0
258415	Olfr887	-0.181	-0.055	0.009	0	0	0	0	0	0	NM_146423	olfactory receptor 887 (Olfr887), mRNA.	Mme-M400007025	ILMN_2678229	0	0
258416	Olfr888	-0.244	0.001	0.072	0	0	0	0	0	0	NM_146424	olfactory receptor 888 (Olfr888), mRNA.	Mme-M400006741	ILMN_1241837	0	0
258475	Olfr889	-0.268	-0.035	0.036	0	0	0	0	0	0	NM_146482	olfactory receptor 889 (Olfr889), mRNA.	Mme-M400007733	ILMN_2641716	0	0
258474	Olfr890	-0.272	0.031	-0.074	0	0	0	0	0	0	NM_146481	olfactory receptor 890 (Olfr890), mRNA.	Mme-M400009614	ILMN_1222814	0	0
258471	Olfr891	-0.163	-0.079	0.045	0	0	0	0	0	0	NM_146478	olfactory receptor 891 (Olfr891), mRNA.	Mme-M300016475	ILMN_1233711	0	0
258333	Olfr893	0.150	0.151	-0.015	0	0	0	0	0	0	NM_146336	olfactory receptor 893 (Olfr893), mRNA.	Mme-M300022223	ILMN_1237379	0	0
258868	Olfr894	-0.104	-0.070	0.024	0	0	0	0	0	0	NM_146868	olfactory receptor 894 (Olfr894), mRNA.	Mme-M400007212	ILMN_2631775	0	0
258875	Olfr895	-0.031	-0.051	0.012	0	0	0	0	0	0	NM_146875	olfactory receptor 895 (Olfr895), mRNA.	Mme-M400007613	ILMN_2632950	0	0
258871	Olfr898	-0.189	-0.059	0.033	0	0	0	0	0	0	NM_146871	olfactory receptor 898 (Olfr898), mRNA.	Mme-M400012781	ILMN_2742768	0	0
258472	Olfr899	0.008	-0.122	0.054	0	0	0	0	0	0	NM_146479	olfactory receptor 899 (Olfr899), mRNA.	Mme-M400011989	ILMN_2995190	0	0
18373	Olfr9	0.076	0.022	0.022	0	0	0	0	0	0	NM_146861	olfactory receptor 9 (Olfr9), mRNA.	Mme-M400012094	ILMN_2852558	0	0
258469	Olfr90	-0.122	-0.029	0.096	0	0	0	0	0	0	NM_146477	olfactory receptor 90 (Olfr90), mRNA.	Mme-M400005560	ILMN_2741848	0	0
258874	Olfr900	0.096	0.092	0.070	0	0	0	0	0	0	NM_146874	olfactory receptor 900 (Olfr900), mRNA.	Mme-M400012099	ILMN_2758599	0	0
258028	Olfr901	0.184	-0.069	-0.006	0	0	0	0	0	0	NM_001011806	olfactory receptor 901 (Olfr901), mRNA.	Mme-M400003985	ILMN_3162504	0	0
258798	Olfr902	-0.126	-0.160	0.016	0	0	0	0	0	0	NM_146802	olfactory receptor 902 (Olfr902), mRNA.	Mme-M400003534	ILMN_2992434	0	0
258797	Olfr904	-0.256	0.080	-0.021	0	0	0	0	0	0	NM_146801	olfactory receptor 904 (Olfr904), mRNA.	Mme-M400003849	ILMN_2637819	0	0
258800	Olfr905	-0.449	0.092	0.035	0	0	0	0	0	0	NM_146804	olfactory receptor 905 (Olfr905), mRNA.	Mme-M400012074	ILMN_2750834	0	0
258799	Olfr906	0.041	-0.035	0.011	0	0	0	0	0	0	NM_146803	olfactory receptor 906 (Olfr906), mRNA.	Mme-M300012451	ILMN_1213721	0	0
258801	Olfr907	-0.063	0.024	-0.080	0	0	0	0	0	0	NM_146805	olfactory receptor 907 (Olfr907), mRNA.	Mme-M400012075	ILMN_2598615	0	0
258872	Olfr908	-0.174	-0.021	-0.035	0	0	0	0	0	0	NM_146872	olfactory receptor 908 (Olfr908), mRNA.	Mme-M400012098	ILMN_2813940	0	0
258470	Olfr91	-0.084	0.034	-0.079	0	0	0	0	0	0	NM_182714	olfactory receptor 91 (Olfr91), mRNA.	Mme-M400003209	ILMN_2640691	0	0
258807	Olfr910	-0.040	-0.029	0.006	0	0	0	0	0	0	NM_146811	olfactory receptor 910 (Olfr910), mRNA.	Mme-M400005924	ILMN_1214829	0	0
258873	Olfr911-ps1	0.060	-0.091	0.031	0	0	0	0	0	0	NM_146873	olfactory receptor 909 (Olfr909), mRNA.	Mme-M400007907	ILMN_2671243	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
258806	Olfr912	0.222	-0.041	0.050	0	0	0	0	0	0	NM_146810	olfactory receptor 912 (Olfr912), mRNA.	Mme-M400012077	ILMN_2739404	0	0
258225	Olfr913	-0.062	0.050	0.097	0	0	0	0	0	0	NM_001011523	olfactory receptor 913 (Olfr913), mRNA.	Mme-M400006691	ILMN_1232331	0	0
258782	Olfr914	-0.069	-0.013	0.031	0	0	0	0	0	0	NM_146786	olfactory receptor 914 (Olfr914), mRNA.	Mme-M400003248	ILMN_2655997	0	0
258781	Olfr915	-0.512	-0.061	0.039	0	0	0	0	0	0	NM_146785	olfactory receptor 915 (Olfr915), mRNA.	Mme-M400007385	ILMN_2829495	0	0
258780	Olfr916	-0.085	-0.056	-0.013	0	0	0	0	0	0	NM_146784	olfactory receptor 916 (Olfr916), mRNA.	Mme-M300017415	ILMN_2686214	0	0
258183	Olfr917	-0.310	-0.094	0.112	0	0	0	0	0	0	NM_001011864	olfactory receptor 917 (Olfr917), mRNA.	Mme-M400008160	ILMN_2930554	0	0
258372	Olfr918	-0.315	0.028	-0.045	0	0	0	0	0	0	NM_146375	olfactory receptor 918 (Olfr918), mRNA.	Mme-M400003121	ILMN_1236439	0	0
258432	Olfr919	0.041	-0.132	-0.090	0	0	0	0	0	0	NM_146440	olfactory receptor 919 (Olfr919), mRNA.	Mme-M400005714	ILMN_2920889	0	0
258448	Olfr92	-0.091	0.136	0.064	0	0	0	0	0	0	NM_146456	olfactory receptor 92 (Olfr92), mRNA.	Mme-M400011983	ILMN_2747447	0	0
258783	Olfr920	-0.011	0.138	-0.087	0	0	0	0	0	0	NM_146787	olfactory receptor 920 (Olfr920), mRNA.	Mme-M400009615	ILMN_1232797	0	0
258778	Olfr921	0.075	-0.005	-0.022	0	0	0	0	0	0	NM_146782	olfactory receptor 921 (Olfr921), mRNA.	Mme-M400003624	ILMN_2613530	0	0
258777	Olfr922	0.142	-0.045	-0.026	0	0	0	0	0	0	NM_146781	olfactory receptor 922 (Olfr922), mRNA.	Mme-M300014967	ILMN_1246083	0	0
258812	Olfr923	-0.026	0.008	0.072	0	0	0	0	0	0	NM_146816	olfactory receptor 923 (Olfr923), mRNA.	Mme-M300015791	ILMN_2594699	0	0
404322	Olfr924	-0.009	-0.056	-0.068	0	0	0	0	0	0	NM_207560	olfactory receptor 924 (Olfr924), mRNA.	Mme-M400007683	ILMN_2760135	0	0
258811	Olfr926	0.046	0.036	-0.037	0	0	0	0	0	0	NM_146815	olfactory receptor 926 (Olfr926), mRNA.	Mme-M400009616	ILMN_2667921	0	0
258051	Olfr93	-0.414	0.096	0.012	0	0	0	0	0	0	NM_001011813	olfactory receptor 93 (Olfr93), mRNA.	Mme-M400003134	ILMN_2792336	0	0
258269	Olfr930	0.042	-0.052	0.053	0	0	0	0	0	0	NM_146272	olfactory receptor 930 (Olfr930), mRNA.	Mme-M400008159	ILMN_2997596	0	0
258433	Olfr933	-0.293	-0.091	0.030	0	0	0	0	0	0	NM_146441	olfactory receptor 933 (Olfr933), mRNA.	Mme-M400006376	ILMN_1259113	0	0
258434	Olfr934	0.016	0.021	0.018	0	0	0	0	0	0	NM_146442	olfactory receptor 934 (Olfr934), mRNA.	Mme-M300016515	ILMN_1219001	0	0
258741	Olfr935	-0.038	-0.072	0.020	0	0	0	0	0	0	NM_146746	olfactory receptor 935 (Olfr935), mRNA.	Mme-M400006888	ILMN_2667577	0	0
258431	Olfr937	0.014	-0.016	0.062	0	0	0	0	0	0	NM_146439	olfactory receptor 937 (Olfr937), mRNA.	Mme-M400003338	ILMN_1249179	0	0
258430	Olfr938	-0.602	-0.112	-0.034	0	0	0	0	0	0	NM_146438	olfactory receptor 938 (Olfr938), mRNA.	Mme-M400003428	ILMN_2657127	0	0
258219	Olfr94	-0.170	-0.075	-0.097	0	0	0	0	0	0	NM_001011518	olfactory receptor 94 (Olfr94), mRNA.	Mme-M400002800	ILMN_3160479	0	0
258323	Olfr943	0.198	-0.046	-0.010	0	0	0	0	0	0	NM_146326	olfactory receptor 943 (Olfr943), mRNA.	Mme-M400011949	ILMN_2815177	0	0
258500	Olfr944	0.043	0.000	0.011	0	0	0	0	0	0	NM_146507	olfactory receptor 944 (Olfr944), mRNA.	Mme-M400007302	ILMN_2710431	0	0
258499	Olfr945	0.039	-0.019	-0.052	0	0	0	0	0	0	NM_146506	olfactory receptor 945 (Olfr945), mRNA.	Mme-M400008248	ILMN_2763729	0	0
257912	Olfr948	-0.078	-0.037	-0.060	0	0	0	0	0	0	NM_001011756	olfactory receptor 948 (Olfr948), mRNA.	Mme-M400005886	ILMN_2804649	0	0
258506	Olfr95	-0.135	0.082	0.005	0	0	0	0	0	0	NM_146513	olfactory receptor 95 (Olfr95), mRNA.	Mme-M300020300	ILMN_1233741	0	0
258046	Olfr951	0.122	0.032	-0.003	0	0	0	0	0	0	NM_001011812	olfactory receptor 951 (Olfr951), mRNA.	Mme-M400007099	ILMN_2817092	0	0
235248	Olfr952	-0.133	-0.008	-0.057	0	0	0	0	0	0	NM_146503	olfactory receptor 952 (Olfr952), mRNA.	Mme-M400006523	ILMN_1217594	0	0
258328	Olfr954	-0.453	-0.016	-0.059	0	0	0	0	0	0	NM_146331	olfactory receptor 954 (Olfr954), mRNA.	Mme-M400008579	ILMN_2690093	0	0
258242	Olfr955	0.061	-0.001	-0.016	0	0	0	0	0	0	NM_207141	olfactory receptor 955 (Olfr955), mRNA.	Mme-M400008139	ILMN_2722556	0	0
258740	Olfr957	-0.230	-0.043	-0.013	0	0	0	0	0	0	NM_146745	olfactory receptor 957 (Olfr957), mRNA.	Mme-M300014037	ILMN_1227471	0	0
258327	Olfr958	0.064	0.067	-0.037	0	0	0	0	0	0	NM_146330	olfactory receptor 958 (Olfr958), mRNA.	Mme-M300021515	ILMN_1233657	0	0
258501	Olfr959	-0.057	-0.064	0.032	0	0	0	0	0	0	NM_146508	olfactory receptor 959 (Olfr959), mRNA.	Mme-M400006776	ILMN_2614582	0	0
258507	Olfr96	-0.318	0.184	-0.017	0	0	0	0	0	0	NM_146514	olfactory receptor 96 (Olfr96), mRNA.	Mme-M300020602	ILMN_2722883	0	0
258276	Olfr960	0.239	-0.045	0.022	0	0	0	0	0	0	NM_146279	olfactory receptor 960 (Olfr960), mRNA.	Mme-M400006991	ILMN_2913026	0	0
258497	Olfr961	-0.283	-0.047	-0.050	0	0	0	0	0	0	NM_146504	olfactory receptor 961 (Olfr961), mRNA.	Mme-M400006647	ILMN_2990768	0	0
258087	Olfr963	-0.310	-0.035	-0.113	0	0	0	0	0	0	NM_001011827	olfactory receptor 963 (Olfr963), mRNA.	Mme-M400008557	ILMN_2959701	0	0
258165	Olfr965	0.005	0.012	-0.071	0	0	0	0	0	0	NM_001011859	olfactory receptor 965 (Olfr965), mRNA.	Mme-M400005246	ILMN_3161298	0	0
258086	Olfr967	-0.068	-0.037	-0.026	0	0	0	0	0	0	NM_001011826	olfactory receptor 967 (Olfr967), mRNA.	Mme-M400005307	ILMN_3161968	0	0
258605	Olfr968	0.031	-0.096	0.006	0	0	0	0	0	0	NM_146612	olfactory receptor 968 (Olfr968), mRNA.	Mme-M400012016	ILMN_2595673	0	0
258823	Olfr969	0.005	-0.184	-0.022	0	0	0	0	0	0	NM_146826	olfactory receptor 969 (Olfr969), mRNA.	Mme-M400008241	ILMN_2675725	0	0
258505	Olfr97	-0.573	0.003	0.123	0	0	0	0	0	0	NM_146512	olfactory receptor 97 (Olfr97), mRNA.	Mme-M400011995	ILMN_2736190	0	0
258604	Olfr970	0.026	-0.108	-0.070	0	0	0	0	0	0	NM_146611	olfactory receptor 970 (Olfr970), mRNA.	Mme-M400008360	ILMN_2614403	0	0
258607	Olfr971	-0.048	-0.052	0.060	0	0	0	0	0	0	NM_146614	olfactory receptor 971 (Olfr971), mRNA.	Mme-M400007484	ILMN_2729325	0	0
258603	Olfr972	-0.027	0.077	0.034	0	0	0	0	0	0	NM_146610	olfactory receptor 972 (Olfr972), mRNA.	Mme-M400006514	ILMN_2603196	0	0
259111	Olfr974	-0.291	-0.014	0.006	0	0	0	0	0	0	NM_147107	olfactory receptor 974 (Olfr974), mRNA.	Mme-M300022121	ILMN_1219329	0	0
258825	Olfr975	0.002	-0.115	-0.058	0	0	0	0	0	0	NM_146828	olfactory receptor 975 (Olfr975), mRNA.	Mme-M300014406	ILMN_2625468	0	0
258364	Olfr976	-0.014	-0.011	0.076	0	0	0	0	0	0	NM_146367	olfactory receptor 976 (Olfr976), mRNA.	Mme-M300018200	ILMN_3161316	0	0
259109	Olfr978	0.097	0.158	0.006	0	0	0	0	0	0	NM_147105	olfactory receptor 978 (Olfr978), mRNA.	Mme-M400012171	ILMN_2761233	0	0
259112	Olfr979	0.265	0.041	0.050	0	0	0	0	0	0	NM_147108	olfactory receptor 979 (Olfr979), mRNA.	Mme-M400006821	ILMN_2935140	0	0
258503	Olfr98	-0.005	0.002	-0.026	0	0	0	0	0	0	NM_146510	olfactory receptor 98 (Olfr98), mRNA.	Mme-M400011994	ILMN_2589485	0	0
259110	Olfr980	-0.001	-0.042	0.016	0	0	0	0	0	0	NM_147106	olfactory receptor 980 (Olfr980), mRNA.	Mme-M400012172	ILMN_1219492	0	0
258283	Olfr981	-0.222	-0.043	-0.006	0	0	0	0	0	0	NM_146286	olfactory receptor 981 (Olfr981), mRNA.	Mme-M300017565	ILMN_1217634	0	0
258853	Olfr982	-0.147	-0.039	0.005	0	0	0	0	0	0	NM_146854	olfactory receptor 982 (Olfr982), mRNA.	Mme-M300019779	ILMN_2698350	0	0
258824	Olfr983	0.041	0.072	-0.041	0	0	0	0	0	0	NM_146827	olfactory receptor 983 (Olfr983), mRNA.	Mme-M400012082	ILMN_1256987	0	0
258601	Olfr984	-0.033	0.031	0.045	0	0	0	0	0	0	NM_146608	olfactory receptor 984 (Olfr984), mRNA.	Mme-M300016745	ILMN_1256542	0	0
258854	Olfr985	-0.319	0.015	-0.009	0	0	0	0	0	0	NM_146855	olfactory receptor 985 (Olfr985), mRNA.	Mme-M300019838	ILMN_3009110	0	0
258608	Olfr986	-0.209	0.054	0.034	0	0	0	0	0	0	NM_146615	olfactory receptor 986 (Olfr986), mRNA.	Mme-M300021753	ILMN_2891121	0	0
258508	Olfr99	-0.107	-0.078	-0.086	0	0	0	0	0	0	NM_146515	olfactory receptor 99 (Olfr99), mRNA.	Mme-M400007618	ILMN_2811562	0	0
258865	Olfr992	0.060	-0.043	0.043	0	0	0	0	0	0	NM_146865	olfactory receptor 992 (Olfr992), mRNA.	Mme-M400012096	ILMN_2936691	0	0
258427	Olfr993	0.051	-0.048	-0.021	0	0	0	0	0	0	NM_146435	olfactory receptor 993 (Olfr993), mRNA.	Mme-M400011978	ILMN_1250193	0	0
258425	Olfr994	-0.132	0.056	0.061	0	0	0	0	0	0	NM_146433	olfactory receptor 994 (Olfr994), mRNA.	Mme-M400011976	ILMN_2613253	0	0
258426	Olfr995	0.062	-0.005	0.036	0	0	0	0	0	0	NM_146434	olfactory receptor 995 (Olfr995), mRNA.	Mme-M400011977	ILMN_2782177	0	0
258429	Olfr996	-0.033	0.037	0.021	0	0	0	0	0	0	NM_146437	olfactory receptor 996 (Olfr996), mRNA.	Mme-M300020869	ILMN_2745602	0	0
258428	Olfr998	-0.283	0.125	0.051	0	0	0	0	0	0	NM_146436	olfactory receptor 998 (Olfr998), mRNA.	Mme-M300016999	ILMN_2658244	0	0
50914	Olig1	0.335	0.123	0.305	0	0	1	0	0	0	NM_016968	oligodendrocyte transcription factor 1 (Olig1), mRNA.	Mme-M200008184	ILMN_2760105	0	0
50913	Olig2	0.274	0.155	-0.004	0	0	0	0	0	0	NM_016967	oligodendrocyte transcription factor 2 (Olig2), mRNA.	Mme-M200007923	ILMN_2724709	0	0
94222	Olig3	-0.046	-0.060	0.138	0	0	0	0	0	0	NM_053008	oligodendrocyte transcription factor 3 (Olig3), mRNA.	Mme-M200009895	ILMN_1234377	0	0
108078	Olr1	-0.022	0.054	0.009	0	0	0	0	0	0	NM_138648	oxidized low density lipoprotein (lectin-like) receptor 1 (Olr1), mRNA.	Mme-M300007043	ILMN_2674519	0	0
67013	Oma1	0.138	0.026	0.044	0	0	0	0	0	0	NM_025909	OMA1 homolog, zinc metallopeptidase (S. cerevisiae) (Oma1), mRNA.	Mme-M200006787	ILMN_2764865	0	0
27047	Omd	0.641	-0.022	0.105	0	0	0	0	0	0	NM_012050	osteomodulin (Omd), mRNA.	Mme-M200009277	ILMN_1238597	0	0
18377	Omg	0.169	0.063	0.042	0	0	0	0	0	0	NM_019409	oligodendrocyte myelin glycoprotein (Omg), mRNA.	Mme-M200016110	ILMN_2603450	0	0
18378	Omp	0.291	-0.732	-0.185	0	-1	0	0	-1	0	NM_011010	olfactory marker protein (Omp), mRNA.	Mme-M400011091	ILMN_2417234	0	1
382088	Omt2b	0.005	0.053	0.057	0	0	0	0	0	0	NM_205822	oocyte maturation, beta (Omt2b), mRNA.	Mme-M300011749	ILMN_3105984	0	0
15379	Onecut1	-0.246	0.027	0.057	0	0	0	0	0	0	NM_008262	one cut domain, family member 1 (Onecut1), mRNA.	Mme-M200001372	ILMN_2734905	0	0
225631	Onecut2	-0.227	-0.131	0.169	0	0	0	0	0	0	NM_194268	one cut domain, family member 2 (Onecut2), mRNA.	Mme-M300016911	ILMN_2492944	0	0
246086	Onecut3	0.041	-0.086	-0.060	0	0	0	0	0	0	NM_139226	one cut domain, family member 3 (Onecut3), mRNA.	Mme-M300016467	ILMN_2643492	0	0
67968	Ooep	0.028	0.024	-0.058	0	0	0	0	0	0	NM_026480	oocyte expressed protein homolog (dog) (Ooep), mRNA.	Mme-M200005364	ILMN_2645460	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
193322	Oog1	-0.038	0.062	0.057	0	0	0	0	0	0	NM_178657	oogenesin 1 (Oog1), mRNA.	Mme-M400002712	ILMN_1236074	0	0
381570	Oog2	-0.505	0.059	0.015	0	0	0	0	0	0	NM_198661	oogenesin 2 (Oog2), mRNA.	Mme-M400006711	ILMN_1224497	0	0
100012	Oog3	-0.024	-0.047	0.003	0	0	0	0	0	0	NM_201258	oogenesin 3 (Oog3), mRNA.	Mme-M400003738	ILMN_2604834	0	0
242737	Oog4	0.280	0.065	0.018	0	0	0	0	0	0	NM_173773	oogenesin 4 (Oog4), mRNA.	Mme-M400003346	ILMN_2590473	0	0
170834	Oosp1	0.146	-0.054	0.018	0	0	0	0	0	0	NM_133353	oocyte secreted protein 1 (Oosp1), mRNA.	Mme-M200004987	ILMN_2707996	0	0
225922	Oosp2	-0.090	0.115	0.061	0	0	0	0	0	0	NM_001037634	placenta-specific 1-like (Plac1l), mRNA.	Mme-M400005337	ILMN_2531564	0	0
225923	Oosp3	0.124	-0.043	-0.081	0	0	0	0	0	0	NM_001033283	gene model 97, (NCBI) (Gm97), mRNA.	Mme-M400005351	ILMN_1230238	0	0
74143	Opa1	-0.059	-0.216	0.140	0	0	0	0	0	0	NM_133752	optic atrophy 1 homolog (human) (Opa1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007094	ILMN_1247460	0	0
403187	Opa3	0.065	0.132	0.047	0	0	0	0	0	0	NM_207525	optic atrophy 3 (human) (Opa3), mRNA.	Mme-M400004043	ILMN_2750314	0	0
226115	Opalin	0.017	0.234	0.020	0	0	0	0	0	0	NM_153520	transmembrane protein 10 (Tmem10), mRNA.	Mme-M300020834	ILMN_2824889	0	0
330908	Opcml	0.137	0.061	0.053	0	0	0	0	0	0	NM_177906	opioid binding protein/cell adhesion molecule-like (Opcml), mRNA.	Mme-M400012444	ILMN_1260032	0	0
94190	Ophn1	-0.129	-0.081	-0.333	0	0	-1	0	0	0	NM_052976	oligophrenin 1 (Ophn1), mRNA.	Mme-M200008363	ILMN_1230281	0	0
75475	Oplah	-0.089	-0.281	0.002	0	0	0	0	0	0	NM_153122	5-oxoprolinase (ATP-hydrolysing) (Oplah), mRNA.	Mme-M300003373	ILMN_2662191	0	0
14539	Opn1mw	-0.301	0.108	-0.118	0	0	0	0	0	0	NM_008106	opsin 1 (cone pigments), medium-wave-sensitive (color blindness, deutan) (Opn1mw), mRNA.	Mme-M200016044	ILMN_2706948	0	0
12057	Opn1sw	-0.098	0.066	0.028	0	0	0	0	0	0	NM_007538	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan) (Opn1sw), mRNA.	Mme-M200014878	ILMN_2593541	0	0
13603	Opn3	0.152	-0.102	-0.050	0	0	0	0	0	0	NM_010098	opsin 3 (Opn3), mRNA.	Mme-M300005157	ILMN_1236196	0	0
30044	Opn4	-0.199	-0.036	0.054	0	0	0	0	0	0	NM_013887	opsin 4 (melanopsin) (Opn4), mRNA.	Mme-M200008584	ILMN_2689040	0	0
353344	Opn5	-0.100	-0.022	0.049	0	0	0	0	0	0	NM_181753	opsin 5 (Opn5), mRNA.	Mme-M400002827	ILMN_2639992	0	0
18386	Oprd1	0.085	0.117	0.054	0	0	0	0	0	0	NM_013622	opioid receptor, delta 1 (Oprd1), mRNA.	Mme-M200002217	ILMN_1223207	0	0
18387	Oprk1	-0.044	-0.011	0.007	0	0	0	0	0	0	NM_011011	opioid receptor, kappa 1 (Oprk1), mRNA.	Mme-M200002619	ILMN_1226095	0	0
18389	Oprl1	-0.191	0.193	-0.102	0	0	0	0	0	0	NM_011012	opioid receptor-like 1 (Oprl1), mRNA.	Mme-M400009221	ILMN_2683352	0	0
18390	Oprm1	-0.144	-0.026	-0.146	0	0	0	0	0	0	NM_001039652	opioid receptor, mu 1 (Oprm1), mRNA.	Mme-M300000116	ILMN_2420443	0	0
269120	Optc	0.094	0.042	-0.020	0	0	0	0	0	0	NM_054076	opticin (Optc), mRNA.	Mme-M200009524	ILMN_1253158	0	0
71648	Optn	0.036	0.102	-0.111	0	0	0	0	0	0	NM_181848	optineurin (Optn), mRNA.	Mme-M200008850	ILMN_2676606	0	0
109305	Orai1	0.167	0.049	-0.011	0	0	0	0	0	0	NM_175423	ORAI calcium release-activated calcium modulator 1 (Orai1), mRNA.	Mme-M400003592	ILMN_1236368	0	0
269999	Orai3	0.253	0.128	-0.062	0	0	0	0	0	0	NM_198424	ORAI calcium release-activated calcium modulator 3 (Orai3), mRNA.	Mme-M300015018	ILMN_1260367	0	0
72284	Oraov1	0.019	-0.097	-0.016	0	0	0	0	0	0	NM_028184	oral cancer overexpressed 1 (Oraov1), mRNA.	Mme-M200007193	ILMN_2882820	0	0
18392	Orc1	-0.193	0.049	0.129	0	0	0	0	0	0	NM_011015	origin recognition complex, subunit 1-like (S.cereviaiae) (Orc1l), transcript variant A, mRNA.	Mme-M200013840	ILMN_2763347	0	0
18393	Orc2	-0.285	-0.019	-0.076	0	0	0	0	0	0	NM_008765	origin recognition complex, subunit 2-like (S. cerevisiae) (Orc2l), transcript variant a, mRNA.	Mme-M200001321	ILMN_1220661	0	0
50793	Orc3	-0.225	-0.114	0.039	0	0	0	0	0	0	NM_015824	origin recognition complex, subunit 3-like (S. cerevisiae) (Orc3l), mRNA.	Mme-M300012498	ILMN_1215091	0	0
26428	Orc4	0.189	-0.073	-0.073	0	0	0	0	0	0	NM_011958	origin recognition complex, subunit 4-like (S. cerevisiae) (Orc4l), mRNA.	Mme-M200004228	ILMN_2689513	0	0
26429	Orc5	-0.273	0.160	-0.132	0	0	0	0	0	0	NM_011959	origin recognition complex, subunit 5-like (S. cerevisiae) (Orc5l), mRNA.	Mme-M200000201	ILMN_1253844	0	0
56452	Orc6	0.064	0.219	0.021	0	0	0	0	0	0	NM_019716	origin recognition complex, subunit 6-like (S. cerevisiae) (Orc6l), mRNA.	Mme-M200006611	ILMN_2683190	0	0
18405	Orm1	-0.208	-0.055	-0.085	0	0	0	0	0	0	NM_008768	orosomucoid 1 (Orm1), mRNA.	Mme-M300012021	ILMN_1226935	0	0
18406	Orm2	-0.347	0.066	-0.029	0	0	0	0	0	0	NM_011016	orosomucoid 2 (Orm2), mRNA.	Mme-M400007417	ILMN_2591264	0	0
18407	Orm3	-0.108	0.006	-0.031	0	0	0	0	0	0	NM_013623	orosomucoid 3 (Orm3), mRNA.	Mme-M400001083	ILMN_3160335	0	0
227102	Ormdl1	0.044	0.001	0.059	0	0	0	0	0	0	NM_145517	ORM1-like 1 (S. cerevisiae) (Ormdl1), mRNA.	Mme-M200013237	ILMN_2632647	0	0
66844	Ormdl2	-0.111	-0.074	0.017	0	0	0	0	0	0	NM_024180	ORM1-like 2 (S. cerevisiae) (Ormdl2), mRNA.	Mme-M200004980	ILMN_2764920	0	0
66612	Ormdl3	0.118	0.091	-0.274	0	0	0	0	0	0	NM_025661	ORM1-like 3 (S. cerevisiae) (Ormdl3), mRNA.	Mme-M200011953	ILMN_2712280	0	0
216440	Os9	0.043	-0.117	-0.082	0	0	0	0	0	0	NM_177614	amplified in osteosarcoma (Os9), mRNA.	Mme-M300012679	ILMN_1246758	0	0
76303	Osbp	-0.163	-0.042	-0.077	0	0	0	0	0	0	NM_001033174	oxysterol binding protein (Osbp), mRNA.	Mme-M400010189	ILMN_1252431	0	0
74309	Osbp2	-0.105	0.059	-0.114	0	0	0	0	0	0	NM_152818	oxysterol binding protein 2 (Osbp2), mRNA.	Mme-M400000388	ILMN_1246734	0	0
74486	Osbpl10	-0.135	-0.025	-0.058	0	0	0	0	0	0	NM_148958	oxysterol binding protein-like 10 (Osbpl10), mRNA.	Mme-M400002450	ILMN_2754067	0	0
106326	Osbpl11	-0.127	-0.206	-0.007	0	0	0	0	0	0	NM_176840	oxysterol binding protein-like 11 (Osbpl11), mRNA.	Mme-M300003516	ILMN_1224333	0	0
64291	Osbpl1a	-0.114	-0.113	-0.047	0	0	0	0	0	0	NM_207530	oxysterol binding protein-like 1A (Osbpl1a), mRNA.	Mme-M400002871	ILMN_2711676	0	0
228983	Osbpl2	0.180	-0.106	-0.046	0	0	0	0	0	0	NM_144500	oxysterol binding protein-like 2 (Osbpl2), mRNA.	Mme-M300011908	ILMN_1259132	0	0
71720	Osbpl3	-0.185	0.061	0.096	0	0	0	0	0	0	NM_027881	oxysterol binding protein-like 3 (Osbpl3), mRNA.	Mme-M200007043	ILMN_1214190	0	0
79196	Osbpl5	-0.005	-0.321	0.047	0	0	0	0	0	0	NM_024289	oxysterol binding protein-like 5 (Osbpl5), mRNA.	Mme-M200004081	ILMN_2771559	0	0
99031	Osbpl6	-0.018	-0.306	0.756	0	0	1	0	0	1	NM_145525	oxysterol binding protein-like 6 (Osbpl6), mRNA.	Mme-M200003034	ILMN_1221789	1	0
71240	Osbpl7	0.076	0.167	0.066	0	0	0	0	0	0	NM_001081434	oxysterol binding protein-like 7 (Osbpl7), mRNA.	Mme-M200004089	ILMN_1227728	0	0
237542	Osbpl8	-0.069	-0.308	0.072	0	0	0	0	0	0	NM_001003717	oxysterol binding protein-like 8 (Osbpl8), transcript variant 2, mRNA.	Mme-M400008730	ILMN_2616135	0	0
232790	Oscar	-0.150	-0.029	-0.021	0	0	0	0	0	0	NM_175632	osteoclast associated receptor (Oscar), mRNA.	Mme-M200013358	ILMN_1215466	0	0
230751	Oscp1	-0.346	-0.105	0.113	0	0	0	0	0	0	NM_172701	RIKEN cDNA 1810007P19 gene (1810007P19Rik), mRNA.	Mme-M300013791	ILMN_2629400	0	0
66680	Oser1	0.248	-0.058	-0.098	0	0	0	0	0	0	NM_025699	RIKEN cDNA 3230401D17 gene (3230401D17Rik), mRNA.	Mme-M200005049	ILMN_2684413	0	0
66246	Osgep	0.474	-0.097	0.009	0	0	0	0	0	0	NM_133676	O-sialoglycoprotein endopeptidase (Osgep), mRNA.	Mme-M400011810	ILMN_2664511	0	0
72085	Osgepl1	0.251	0.106	0.041	0	0	0	0	0	0	NM_028091	O-sialoglycoprotein endopeptidase-like 1 (Osgepl1), mRNA.	Mme-M200006121	ILMN_1226615	0	0
71839	Osgin1	-0.147	-0.058	-0.043	0	0	0	0	0	0	NM_027950	oxidative stress induced growth inhibitor 1 (Osgin1), mRNA.	Mme-M400004194	ILMN_2645780	0	0
209212	Osgin2	0.067	-0.032	-0.005	0	0	0	0	0	0	NM_145950	oxidative stress induced growth inhibitor family member 2 (Osgin2), mRNA.	Mme-M200014520	ILMN_1255408	0	0
18413	Osm	-0.118	0.286	0.035	0	0	0	0	0	0	NM_001013365	oncostatin M (Osm), mRNA.	Mme-M400006476	ILMN_2543107	0	0
18414	Osmr	0.238	0.143	0.180	0	0	0	0	0	0	NM_011019	oncostatin M receptor (Osmr), mRNA.	Mme-M200002994	ILMN_2623280	0	0
23967	Osr1	0.002	-0.286	0.058	0	0	0	0	0	0	NM_011859	odd-skipped related 1 (Drosophila) (Osr1), mRNA.	Mme-M200014162	ILMN_1259787	0	0
107587	Osr2	0.071	-0.197	0.176	0	0	0	0	0	0	NM_054049	odd-skipped related 2 (Drosophila) (Osr2), mRNA.	Mme-M200014473	ILMN_2770979	0	0
67695	Ost4	0.093	0.139	-0.112	0	0	0	0	0	0	NM_024460	RIKEN cDNA 2310016E02 gene (2310016E02Rik), mRNA.	Mme-M400011466	ILMN_2885293	0	0
66357	Ostc	0.386	0.262	-0.169	0	0	0	0	0	0	NM_025509	RIKEN cDNA 2310008M10 gene (2310008M10Rik), mRNA.	Mme-M400002473	ILMN_2904961	0	0
20409	Ostf1	-0.022	0.064	0.001	0	0	0	0	0	0	NM_017375	osteoclast stimulating factor 1 (Ostf1), mRNA.	Mme-M200001621	ILMN_2744398	0	0
14628	Ostm1	0.128	0.186	0.078	0	0	0	0	0	0	NM_172416	osteopetrosis associated transmembrane protein 1 (Ostm1), mRNA.	Mme-M300011468	ILMN_2623867	0	0
239790	Ostn	0.204	0.016	0.024	0	0	0	0	0	0	NM_198112	osteocrin (Ostn), mRNA.	Mme-M400004058	ILMN_2650611	0	0
18416	Otc	-0.039	-0.063	0.074	0	0	0	0	0	0	NM_008769	ornithine transcarbamylase (Otc), mRNA.	Mme-M200000993	ILMN_2797725	0	0
246190	Otoa	-0.334	-0.089	-0.188	0	0	0	0	0	0	NM_139310	otoancorin (Otoa), mRNA.	Mme-M300009646	ILMN_2735754	0	0
83762	Otof	-0.183	0.031	0.036	0	0	0	0	0	0	NM_031875	otoferlin (Otof), transcript variant 2, mRNA.	Mme-M300006532	ILMN_2674951	0	0
628870	Otogl	-0.133	0.041	-0.027	0	0	0	0	0	0	XM_001478590	PREDICTED: predicted gene, EG628870 (EG628870), mRNA.	Mme-M400004518	ILMN_1232168	0	0
229389	Otol1	0.038	0.064	0.056	0	0	0	0	0	0	NM_001018031	gene model 414, (NCBI) (Gm414), mRNA.	Mme-M400010294	ILMN_1255170	0	0
21906	Otop1	-0.111	-0.057	0.142	0	0	0	0	0	0	NM_172709	otopetrin 1 (Otop1), mRNA.	Mme-M300022216	ILMN_1228647	0	0
237987	Otop2	-0.107	-0.055	-0.028	0	0	0	0	0	0	NM_172801	otopetrin 2 (Otop2), mRNA.	Mme-M300020911	ILMN_2700317	0	0
69602	Otop3	-0.285	0.081	0.026	0	0	0	0	0	0	NM_027132	otopetrin 3 (Otop3), mRNA.	Mme-M300001743	ILMN_2613238	0	0
57329	Otor	-0.397	0.028	-0.012	0	0	0	0	0	0	NM_020595	otoraplin (Otor), mRNA.	Mme-M200009959	ILMN_2652615	0	0
260301	Otos	0.225	0.138	0.025	0	0	0	0	0	0	NM_153114	otospiralin (Otos), mRNA.	Mme-M300015101	ILMN_2683305	0	0
18420	Otp	-0.324	0.051	0.022	0	0	0	0	0	0	NM_011021	orthopedia homolog (Drosophila) (Otp), mRNA.	Mme-M200013862	ILMN_1227598	0	0
107260	Otub1	0.255	0.171	-0.166	0	0	0	0	0	0	NM_134150	OTU domain, ubiquitin aldehyde binding 1 (Otub1), mRNA.	Mme-M200013024	ILMN_3127375	0	0
68149	Otub2	-0.348	-0.128	-0.075	0	0	0	0	0	0	NM_026580	OTU domain, ubiquitin aldehyde binding 2 (Otub2), mRNA.	Mme-M300002617	ILMN_2898917	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
73162	Otud3	-0.142	-0.261	-0.071	0	0	0	0	0	0	XM_131770	PREDICTED: OTU domain containing 3 (Otud3), mRNA.	Mme-M300013039	ILMN_2615134	0	0
73945	Otud4	0.097	-0.182	0.065	0	0	0	0	0	0	NM_001081164	OTU domain containing 4 (Otud4), mRNA.	Mme-M200007548	ILMN_2673314	0	0
54644	Otud5	0.147	-0.085	0.087	0	0	0	0	0	0	NM_138604	OTU domain containing 5 (Otud5), mRNA.	Mme-M200009423	ILMN_2684759	0	0
72201	Otud6b	0.145	0.097	0.082	0	0	0	0	0	0	NM_152812	OTU domain containing 6B (Otud6b), mRNA.	Mme-M200007754	ILMN_2529432	0	0
170711	Otud7a	-0.081	-0.227	-0.115	0	0	0	0	0	0	NM_130880	OTU domain containing 7A (Otud7a), mRNA.	Mme-M200009881	ILMN_1245118	0	0
229603	Otud7b	0.179	-0.291	-0.240	0	0	0	0	0	0	NM_001025614	OTU domain containing 7B (Otud7b), transcript variant 2, mRNA.	Mme-M400002143	ILMN_3122383	0	0
432940	Otulin	0.344	-0.190	0.120	0	0	0	0	0	0	NM_001013792	cDNA sequence BC087945 (BC087945), mRNA.	Mme-M400003105	ILMN_3160842	0	0
18423	Otx1	0.062	-1.054	0.030	0	-1	0	0	-1	0	NM_011023	orthodenticle homolog 1 (Drosophila) (Otx1), mRNA.	Mme-M300000735	ILMN_2690126	0	1
18424	Otx2	-0.126	-0.103	-0.452	0	0	-1	0	0	-1	NM_144841	orthodenticle homolog 2 (Drosophila) (Otx2), mRNA.	Mme-M200009179	ILMN_2691752	0	1
246257	Ovca2	0.272	0.051	-0.121	0	0	0	0	0	0	NM_027136	candidate tumor suppressor OVCA2 (Ovca2), mRNA.	Mme-M300011456	ILMN_2724815	0	0
244199	Ovch2	-0.081	-0.034	0.016	0	0	0	0	0	0	NM_172908	ovochymase 2 (Ovch2), mRNA.	Mme-M300019050	ILMN_2665916	0	0
12659	Ovgp1	-0.038	0.092	0.114	0	0	0	0	0	0	NM_007696	oviductal glycoprotein 1 (Ovgp1), mRNA.	Mme-M200002155	ILMN_2600928	0	0
18426	Ovol1	0.117	0.027	-0.039	0	0	0	0	0	0	NM_019935	OVO homolog-like 1 (Drosophila) (Ovol1), mRNA.	Mme-M200008049	ILMN_2617858	0	0
107586	Ovol2	-0.482	-0.157	-0.092	0	0	0	0	0	0	NM_152947	ovo-like 2 (Drosophila) (Ovol2), transcript variant B, mRNA.	Mme-M200003513	ILMN_2498591	0	0
69089	Oxa1l	0.181	0.081	-0.069	0	0	0	0	0	0	NM_026936	oxidase assembly 1-like (Oxa1l), mRNA.	Mme-M300000137	ILMN_2447999	0	0
67041	Oxct1	0.326	0.161	0.125	0	0	0	0	0	0	NM_024188	3-oxoacid CoA transferase 1 (Oxct1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000547	ILMN_1231503	0	0
64059	Oxct2a	-0.121	0.015	0.060	0	0	0	0	0	0	NM_022033	3-oxoacid CoA transferase 2A (Oxct2a), mRNA.	Mme-M400011408	ILMN_1246336	0	0
353371	Oxct2b	-0.200	0.035	-0.012	0	0	0	0	0	0	NM_181859	3-oxoacid CoA transferase 2B (Oxct2b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400012527	ILMN_1212939	0	0
239283	Oxgr1	-0.163	0.013	-0.013	0	0	0	0	0	0	NM_001001490	oxoglutarate (alpha-ketoglutarate) receptor 1 (Oxgr1), mRNA.	Mme-M300015811	ILMN_1245542	0	0
66431	Oxld1	-0.146	-0.082	-0.118	0	0	0	0	0	0	NM_025560	RIKEN cDNA 1810049H13 gene (1810049H13Rik), mRNA.	Mme-M200014164	ILMN_2680665	0	0
218885	Oxnad1	0.239	-0.297	-0.124	0	0	0	0	0	0	NM_145460	oxidoreductase NAD-binding domain containing 1 (Oxnad1), mRNA.	Mme-M400011895	ILMN_2769740	0	0
170719	Oxr1	0.004	-0.066	0.050	0	0	0	0	0	0	NM_130885	oxidation resistance 1 (Oxr1), mRNA.	Mme-M200015292	ILMN_2639491	0	0
71147	Oxsm	-0.012	0.028	0.009	0	0	0	0	0	0	NM_027695	3-oxoacyl-ACP synthase, mitochondrial (Oxsm), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005384	ILMN_1249882	0	0
18429	Oxt	-0.238	-0.030	0.101	0	0	0	0	0	0	NM_011025	oxytocin (Oxt), mRNA.	Mme-M200003458	ILMN_2669486	0	0
18430	Oxtr	-0.180	0.067	-0.092	0	0	0	0	0	0	NM_001081147	oxytocin receptor (Oxtr), mRNA.	Mme-M300019877	ILMN_2543061	0	0
18436	P2rx1	0.017	-0.163	-0.106	0	0	0	0	0	0	NM_008771	purinergic receptor P2X, ligand-gated ion channel, 1 (P2rx1), mRNA.	Mme-M200005183	ILMN_2932455	0	0
231602	P2rx2	-0.115	0.269	0.029	0	0	0	0	0	0	NM_153400	purinergic receptor P2X, ligand-gated ion channel, 2 (P2rx2), mRNA.	Mme-M400001172	ILMN_2735318	0	0
228139	P2rx3	-0.212	0.063	-0.192	0	0	0	0	0	0	NM_145526	purinergic receptor P2X, ligand-gated ion channel, 3 (P2rx3), mRNA.	Mme-M200013199	ILMN_2772717	0	0
18438	P2rx4	0.074	0.319	0.083	0	0	0	0	0	0	NM_011026	purinergic receptor P2X, ligand-gated ion channel 4 (P2rx4), mRNA.	Mme-M300006692	ILMN_2620122	0	0
94045	P2rx5	-0.014	0.137	-0.100	0	0	0	0	0	0	NM_033321	purinergic receptor P2X, ligand-gated ion channel, 5 (P2rx5), mRNA.	Mme-M200009884	ILMN_2941315	0	0
18440	P2rx6	-0.033	-0.158	-0.113	0	0	0	0	0	0	NM_011028	purinergic receptor P2X, ligand-gated ion channel, 6 (P2rx6), mRNA.	Mme-M200002653	ILMN_2706410	0	0
18439	P2rx7	-0.166	0.139	0.256	0	0	0	0	0	0	NM_011027	purinergic receptor P2X, ligand-gated ion channel, 7 (P2rx7), transcript variant 1, mRNA.	Mme-M200013841	ILMN_3144200	0	0
18441	P2ry1	-0.079	-0.094	-0.030	0	0	0	0	0	0	NM_008772	purinergic receptor P2Y, G-protein coupled 1 (P2ry1), mRNA.	Mme-M200001396	ILMN_2684316	0	0
78826	P2ry10	-0.078	0.141	0.079	0	0	0	0	0	0	NM_172435	purinergic receptor P2Y, G-protein coupled 10 (P2ry10), mRNA.	Mme-M200015380	ILMN_1224483	0	0
70839	P2ry12	0.067	0.100	0.104	0	0	0	0	0	0	NM_027571	purinergic receptor P2Y, G-protein coupled 12 (P2ry12), mRNA.	Mme-M400011613	ILMN_2840082	0	0
74191	P2ry13	-0.475	0.423	0.214	0	1	0	0	0	0	NM_028808	purinergic receptor P2Y, G-protein coupled 13 (P2ry13), mRNA.	Mme-M200016074	ILMN_2640346	0	0
140795	P2ry14	-0.022	0.196	0.177	0	0	0	0	0	0	NM_001008497	purinergic receptor P2Y, G-protein coupled, 14 (P2ry14), transcript variant 2, mRNA.	Mme-M200007168	ILMN_1219200	0	0
18442	P2ry2	-0.146	0.146	0.071	0	0	0	0	0	0	NM_008773	purinergic receptor P2Y, G-protein coupled 2 (P2ry2), mRNA.	Mme-M200001151	ILMN_2872106	0	0
57385	P2ry4	-0.253	-0.102	-0.105	0	0	0	0	0	0	NM_020621	pyrimidinergic receptor P2Y, G-protein coupled, 4 (P2ry4), mRNA.	Mme-M200008878	ILMN_1237953	0	0
233571	P2ry6	-0.043	0.246	0.009	0	0	0	0	0	0	NM_183168	pyrimidinergic receptor P2Y, G-protein coupled, 6 (P2ry6), mRNA.	Mme-M300019557	ILMN_2663130	0	0
56401	P3h1	0.221	0.142	-0.120	0	0	0	0	0	0	NM_001042411	leprecan 1 (Lepre1), transcript variant 3, mRNA.	Mme-M300006207	ILMN_2738468	0	0
14789	P3h3	0.447	-0.059	0.003	0	0	0	0	0	0	NM_013534	leprecan-like 2 (Leprel2), mRNA.	Mme-M200007795	ILMN_1239380	0	0
66180	P3h4	0.224	-0.072	-0.061	0	0	0	0	0	0	NM_176830	RIKEN cDNA 1110036O03 gene (1110036O03Rik), mRNA.	Mme-M300000865	ILMN_1231457	0	0
18451	P4ha1	0.276	-0.155	0.058	0	0	0	0	0	0	NM_011030	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide (P4ha1), mRNA.	Mme-M200000838	ILMN_1234565	0	0
18452	P4ha2	0.273	0.006	-0.034	0	0	0	0	0	0	NM_011031	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide (P4ha2), mRNA.	Mme-M400000308	ILMN_2789562	0	0
320452	P4ha3	-0.085	0.035	-0.182	0	0	0	0	0	0	NM_177161	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III (P4ha3), mRNA.	Mme-M300021704	ILMN_2644175	0	0
18453	P4hb	0.472	0.091	-0.103	0	0	0	0	0	0	NM_011032	prolyl 4-hydroxylase, beta polypeptide (P4hb), mRNA.	Mme-M300004485	ILMN_2735996	0	0
18813	Pa2g4	0.258	0.103	0.331	0	0	1	0	0	0	NM_011119	proliferation-associated 2G4 (Pa2g4), mRNA.	Mme-M300004599	ILMN_1248733	0	0
18458	Pabpc1	0.119	-0.283	0.302	0	0	0	0	0	0	NM_008774	poly A binding protein, cytoplasmic 1 (Pabpc1), mRNA.	Mme-M200001005	ILMN_1259482	0	0
381404	Pabpc1l	-0.165	-0.013	-0.011	0	0	0	0	0	0	NM_001114079	RIKEN cDNA 1810053B01 gene (1810053B01Rik), mRNA.	Mme-M400000287	ILMN_2508057	0	0
18459	Pabpc2	0.078	-0.014	-0.009	0	0	0	0	0	0	NM_011033	poly A binding protein, cytoplasmic 2 (Pabpc2), mRNA.	Mme-M400003870	ILMN_2635205	0	0
230721	Pabpc4	0.544	0.124	-0.117	0	0	0	0	0	0	NM_148917	poly A binding protein, cytoplasmic 4 (Pabpc4), transcript variant 2, mRNA.	Mme-M200003081	ILMN_1260325	0	0
241989	Pabpc4l	0.167	-0.032	0.082	0	0	0	0	0	0	NM_001101479	poly(A) binding protein, cytoplasmic 4-like (Pabpc4l), mRNA.	Mme-M400015144	ILMN_1241977	0	0
93728	Pabpc5	0.084	0.025	-0.076	0	0	0	0	0	0	NM_053114	poly A binding protein, cytoplasmic 5 (Pabpc5), mRNA.	Mme-M300009510	ILMN_2622755	0	0
67543	Pabpc6	-0.036	-0.101	-0.105	0	0	0	0	0	0	NR_003636	poly(A) binding protein, cytoplasmic 3 (Pabpc3) on chromosome 17.	Mme-M400003125	ILMN_2975779	0	0
54196	Pabpn1	0.087	-0.099	0.003	0	0	0	0	0	0	NM_019402	poly(A) binding protein, nuclear 1 (Pabpn1), mRNA.	Mme-M200002589	ILMN_2672528	0	0
69310	Pacrg	0.004	0.024	-0.090	0	0	0	0	0	0	NM_027032	Park2 co-regulated (Pacrg), mRNA.	Mme-M300010799	ILMN_2625279	0	0
66768	Pacrgl	0.043	-0.052	-0.006	0	0	0	0	0	0	NM_025755	RIKEN cDNA 4933428G09 gene (4933428G09Rik), mRNA.	Mme-M200006470	ILMN_2693151	0	0
107975	Pacs1	0.237	-0.190	0.066	0	0	0	0	0	0	NM_153129	phosphofurin acidic cluster sorting protein 1 (Pacs1), mRNA.	Mme-M300004348	ILMN_2723639	0	0
217893	Pacs2	-0.201	-0.108	0.076	0	0	0	0	0	0	NM_001081170	phosphofurin acidic cluster sorting protein 2 (Pacs2), mRNA.	Mme-M300002585	ILMN_2620583	0	0
23969	Pacsin1	-0.063	0.105	0.094	0	0	0	0	0	0	NM_011861	protein kinase C and casein kinase substrate in neurons 1 (Pacsin1), mRNA.	Mme-M400012471	ILMN_1244892	0	0
23970	Pacsin2	-0.077	0.082	-0.131	0	0	0	0	0	0	NM_011862	protein kinase C and casein kinase substrate in neurons 2 (Pacsin2), mRNA.	Mme-M300001533	ILMN_2712697	0	0
80708	Pacsin3	0.292	0.096	-0.111	0	0	0	0	0	0	NM_030880	protein kinase C and casein kinase substrate in neurons 3 (Pacsin3), mRNA.	Mme-M200004608	ILMN_2589015	0	0
18599	Padi1	-0.218	-0.081	-0.115	0	0	0	0	0	0	NM_011059	peptidyl arginine deiminase, type I (Padi1), mRNA.	Mme-M200003961	ILMN_2637742	0	0
18600	Padi2	-0.167	-0.332	0.111	0	0	0	0	0	0	NM_008812	peptidyl arginine deiminase, type II (Padi2), mRNA.	Mme-M200000869	ILMN_1251972	0	0
18601	Padi3	-0.287	-0.006	0.109	0	0	0	0	0	0	NM_011060	peptidyl arginine deiminase, type III (Padi3), mRNA.	Mme-M200003958	ILMN_2647300	0	0
18602	Padi4	-0.059	0.059	0.036	0	0	0	0	0	0	NM_011061	peptidyl arginine deiminase, type IV (Padi4), mRNA.	Mme-M200003975	ILMN_2725484	0	0
242726	Padi6	0.015	0.037	-0.045	0	0	0	0	0	0	NM_153106	peptidyl arginine deiminase, type VI (Padi6), mRNA.	Mme-M300012942	ILMN_1216003	0	0
54624	Paf1	0.050	-0.106	0.093	0	0	0	0	0	0	NM_019458	Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae) (Paf1), mRNA.	Mme-M200002610	ILMN_2972371	0	0
18472	Pafah1b1	0.338	0.098	0.129	0	0	0	0	0	0	NM_013625	platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit (Pafah1b1), mRNA.	Mme-M400011209	ILMN_1239002	0	0
18475	Pafah1b2	-0.044	0.030	0.081	0	0	0	0	0	0	NM_008775	platelet-activating factor acetylhydrolase, isoform 1b, alpha2 subunit (Pafah1b2), mRNA.	Mme-M400010859	ILMN_1229969	0	0
18476	Pafah1b3	-0.060	0.000	-0.092	0	0	0	0	0	0	NM_008776	platelet-activating factor acetylhydrolase, isoform 1b, alpha1 subunit (Pafah1b3), mRNA.	Mme-M200000211	ILMN_2640971	0	0
100163	Pafah2	0.013	-0.273	-0.122	0	0	0	0	0	0	NM_133880	platelet-activating factor acetylhydrolase 2 (Pafah2), mRNA.	Mme-M300010887	ILMN_2771665	0	0
94212	Pag1	-0.089	0.076	0.037	0	0	0	0	0	0	NM_053182	phosphoprotein associated with glycosphingolipid microdomains 1 (Pag1), mRNA.	Mme-M200009631	ILMN_2711339	0	0
18478	Pah	0.004	-0.074	-0.019	0	0	0	0	0	0	NM_008777	phenylalanine hydroxylase (Pah), mRNA.	Mme-M300001970	ILMN_2731024	0	0
67054	Paics	-0.067	-0.085	0.007	0	0	0	0	0	0	NM_025939	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide s	Mme-M200012115	ILMN_1234068	0	0
218693	Paip1	-0.054	0.014	0.018	0	0	0	0	0	0	NM_001079849	polyadenylate binding protein-interacting protein 1 (Paip1), transcript variant 2, mRNA.	Mme-M200005124	ILMN_2752569	0	0
67869	Paip2	0.260	-0.122	0.067	0	0	0	0	0	0	NM_026420	polyadenylate-binding protein-interacting protein 2 (Paip2), mRNA.	Mme-M200006645	ILMN_1258515	0	0
232164	Paip2b	-0.476	-0.217	-0.142	0	0	0	0	0	0	NM_146169	poly(A) binding protein interacting protein 2B (Paip2b), mRNA.	Mme-M300016816	ILMN_1236391	0	0
18479	Pak1	0.163	0.204	0.029	0	0	0	0	0	0	NM_011035	p21 (CDKN1A)-activated kinase 1 (Pak1), mRNA.	Mme-M300007428	ILMN_1214850	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68083	Pak1ip1	0.171	0.036	-0.020	0	0	0	0	0	0	NM_026550	PAK1 interacting protein 1 (Pak1ip1), mRNA.	Mme-M200005000	ILMN_1245031	0	0
224105	Pak2	-0.250	-0.186	0.069	0	0	0	0	0	0	NM_177326	p21 (CDKN1A)-activated kinase 2 (Pak2), mRNA.	Mme-M400000606	ILMN_2645390	0	0
18481	Pak3	0.492	0.210	-0.116	0	0	0	0	0	0	NM_008778	p21 (CDKN1A)-activated kinase 3 (Pak3), mRNA.	Mme-M200001308	ILMN_1216639	0	0
70584	Pak4	-0.077	-0.228	-0.156	0	0	0	0	0	0	NM_027470	p21 (CDKN1A)-activated kinase 4 (Pak4), mRNA.	Mme-M200004239	ILMN_2640570	0	0
214230	Pak6	-0.110	0.048	-0.066	0	0	0	0	0	0	NM_001033254	p21 (CDKN1A)-activated kinase 6 (Pak6), mRNA.	Mme-M300000771	ILMN_2905646	0	0
241656	Pak7	0.145	0.092	-0.119	0	0	0	0	0	0	NM_172858	p21 (CDKN1A)-activated kinase 7 (Pak7), mRNA.	Mme-M300012441	ILMN_1249906	0	0
233826	Palb2	0.082	-0.087	0.066	0	0	0	0	0	0	NM_001081238	partner and localizer of BRCA2 (Palb2), mRNA.	Mme-M400009532	ILMN_2687272	0	0
27355	Pald1	-0.241	0.267	0.131	0	0	0	0	0	0	NM_013753	cDNA sequence X99384 (X99384), mRNA.	Mme-M300001998	ILMN_1260372	0	0
72333	Palld	0.060	-0.186	-0.112	0	0	0	0	0	0	NM_001081390	palladin, cytoskeletal associated protein (Palld), mRNA.	Mme-M300007831	ILMN_3092653	0	0
18483	Palm	0.199	0.289	0.081	0	0	0	0	0	0	NM_023128	paralemmin (Palm), mRNA.	Mme-M300010122	ILMN_2815626	0	0
242481	Palm2	0.161	-0.228	0.058	0	0	0	0	0	0	NM_172868	paralemmin 2 (Palm2), mRNA.	Mme-M300006060	ILMN_2608025	0	0
74337	Palm3	-0.230	0.076	-0.050	0	0	0	0	0	0	NM_028877	RIKEN cDNA 4432412L15 gene (4432412L15Rik), mRNA.	Mme-M300018811	ILMN_2697892	0	0
114301	Palmd	-0.202	-0.101	0.087	0	0	0	0	0	0	NM_023245	palmdelphin (Palmd), mRNA.	Mme-M200009829	ILMN_2727481	0	0
66449	Pam16	0.290	-0.163	-0.010	0	0	0	0	0	0	NM_025571	mitochondria-associated protein involved in granulocyte-macrophage colony-stimulating factor signal transduct	Mme-M300001273	ILMN_2618461	0	0
210622	Pamr1	0.107	-0.097	-0.070	0	0	0	0	0	0	NM_173749	RIKEN cDNA E430002G05 gene (E430002G05Rik), mRNA.	Mme-M300005502	ILMN_2870864	0	0
103135	Pan2	0.126	-0.154	0.121	0	0	0	0	0	0	NM_133992	ubiquitin specific peptidase 52 (Usp52), mRNA.	Mme-M200007240	ILMN_1245461	0	0
72587	Pan3	0.129	0.032	-0.040	0	0	0	0	0	0	NM_028291	PAN3 polyA specific ribonuclease subunit homolog (S. cerevisiae) (Pan3), mRNA.	Mme-M200015542	ILMN_1224373	0	0
75735	Pank1	-0.875	-0.426	0.033	-1	-1	0	-1	0	0	NM_001114339	pantothenate kinase 1 (Pank1), transcript variant 1, mRNA.	Mme-M300008857	ILMN_2542951	0	1
74450	Pank2	0.286	-0.077	-0.034	0	0	0	0	0	0	NM_153501	pantothenate kinase 2 (Hallervorden-Spatz syndrome) (Pank2), nuclear gene encoding mitochondrial protein, m	Mme-M200008418	ILMN_2662825	0	0
211347	Pank3	-0.063	-0.211	-0.112	0	0	0	0	0	0	NM_145962	pantothenate kinase 3 (Pank3), mRNA.	Mme-M400019017	ILMN_2752327	0	0
269614	Pank4	0.206	0.086	-0.079	0	0	0	0	0	0	NM_172990	pantothenate kinase 4 (Pank4), mRNA.	Mme-M300006455	ILMN_2644140	0	0
66297	Pantr1	0.077	0.205	0.154	0	0	0	0	0	0	XR_035175	PREDICTED: RIKEN cDNA 2610017I09 gene (2610017I09Rik), misc RNA.	Mme-M400007242	ILMN_2730311	0	0
55991	Panx1	-0.156	-0.209	-0.125	0	0	0	0	0	0	NM_019482	pannexin 1 (Panx1), mRNA.	Mme-M200009383	ILMN_2946088	0	0
208098	Panx3	0.003	0.094	-0.121	0	0	0	0	0	0	NM_172454	pannexin 3 (Panx3), mRNA.	Mme-M300001125	ILMN_2721052	0	0
212503	Paox	-0.346	-0.184	-0.103	0	0	0	0	0	0	NM_153783	polyamine oxidase (exo-N4-amino) (Paox), mRNA.	Mme-M300004647	ILMN_2795698	0	0
100715	Papd4	0.159	0.034	0.078	0	0	0	0	0	0	NM_133905	PAP associated domain containing 4 (Papd4), mRNA.	Mme-M200013056	ILMN_1220586	0	0
214627	Papd5	0.166	0.009	-0.017	0	0	0	0	0	0	XM_989004	PREDICTED: PAP associated domain containing 5 (Papd5), mRNA.	Mme-M300010531	ILMN_2644047	0	0
210106	Papd7	0.084	-0.063	-0.026	0	0	0	0	0	0	NM_198600	polymerase (DNA directed) sigma (Pols), mRNA.	Mme-M300009425	ILMN_2715876	0	0
101744	Papl	-0.258	-0.005	0.017	0	0	0	0	0	0	NM_175319	RIKEN cDNA C330005M16 gene (C330005M16Rik), mRNA.	Mme-M300010938	ILMN_2938973	0	0
170721	Papln	0.170	-0.187	-0.133	0	0	0	0	0	0	NM_130887	papilin, proteoglycan-like sulfated glycoprotein (Papln), mRNA.	Mme-M300002634	ILMN_2709167	0	0
18789	Papola	-0.194	-0.117	-0.219	0	0	0	0	0	0	NM_011112	poly (A) polymerase alpha (Papola), mRNA.	Mme-M300002564	ILMN_2602011	0	0
56522	Papolb	0.026	-0.025	-0.044	0	0	0	0	0	0	NM_019943	poly (A) polymerase beta (testis specific) (Papolb), mRNA.	Mme-M400011347	ILMN_1221282	0	0
216578	Papolg	0.113	0.029	0.040	0	0	0	0	0	0	NM_172555	poly(A) polymerase gamma (Papolg), mRNA.	Mme-M200015074	ILMN_2941033	0	0
18491	Pappa	-0.411	-0.082	0.005	0	0	0	0	0	0	NM_021362	pregnancy-associated plasma protein A (Pappa), mRNA.	Mme-M200008526	ILMN_2630646	0	0
23850	Pappa2	-0.322	-0.080	0.023	0	0	0	0	0	0	NM_001085376	pappalysin 2 (Pappa2), mRNA.	Mme-M400009799	ILMN_2480498	0	0
23971	Papss1	0.142	0.127	-0.239	0	0	0	0	0	0	NM_011863	3'-phosphoadenosine 5'-phosphosulfate synthase 1 (Papss1), mRNA.	Mme-M200003584	ILMN_2594477	0	0
23972	Papss2	0.268	0.127	0.143	0	0	0	0	0	0	NM_011864	3'-phosphoadenosine 5'-phosphosulfate synthase 2 (Papss2), mRNA.	Mme-M200005633	ILMN_2466809	0	0
231474	Paqr3	0.015	-0.120	0.014	0	0	0	0	0	0	NM_198422	progestin and adipoQ receptor family member III (Paqr3), mRNA.	Mme-M400005275	ILMN_2629025	0	0
76498	Paqr4	-0.140	-0.180	-0.136	0	0	0	0	0	0	NM_023824	progestin and adipoQ receptor family member IV (Paqr4), mRNA.	Mme-M200007559	ILMN_2748229	0	0
74090	Paqr5	-0.144	-0.069	-0.040	0	0	0	0	0	0	NM_028748	progestin and adipoQ receptor family member V (Paqr5), mRNA.	Mme-M200013572	ILMN_1222389	0	0
68957	Paqr6	-0.345	0.116	-0.036	0	0	0	0	0	0	NM_198410	progestin and adipoQ receptor family member VI (Paqr6), mRNA.	Mme-M300013166	ILMN_2727184	0	0
71904	Paqr7	-0.125	-0.322	0.004	0	0	0	0	0	0	NM_027995	progestin and adipoQ receptor family member VII (Paqr7), mRNA.	Mme-M200009388	ILMN_1222036	0	0
74229	Paqr8	-0.081	0.047	0.062	0	0	0	0	0	0	NM_028829	progestin and adipoQ receptor family member VIII (Paqr8), mRNA.	Mme-M200008320	ILMN_2624553	0	0
75552	Paqr9	0.001	-0.223	0.158	0	0	0	0	0	0	NM_198414	progestin and adipoQ receptor family member IX (Paqr9), mRNA.	Mme-M400008604	ILMN_3094043	0	0
93742	Pard3	0.208	-0.045	-0.064	0	0	0	0	0	0	NM_001013580	par-3 (partitioning defective 3) homolog (C. elegans) (Pard3), transcript variant 2, mRNA.	Mme-M400009596	ILMN_2648709	0	0
72823	Pard3b	-0.154	-0.102	0.152	0	0	0	0	0	0	NM_001081050	par-3 partitioning defective 3 homolog B (C. elegans) (Pard3b), mRNA.	Mme-M400003986	ILMN_2483117	0	0
56513	Pard6a	-0.030	-0.014	-0.220	0	0	0	0	0	0	NM_001047435	par-6 (partitioning defective 6,) homolog alpha (C. elegans) (Pard6a), transcript variant 2, mRNA.	Mme-M300000715	ILMN_3114759	0	0
58220	Pard6b	-0.049	-0.090	-0.061	0	0	0	0	0	0	NM_021409	par-6 (partitioning defective 6) homolog beta (C. elegans) (Pard6b), mRNA.	Mme-M400011391	ILMN_2741968	0	0
93737	Pard6g	-0.213	-0.208	-0.063	0	0	0	0	0	0	NM_053117	par-6 partitioning defective 6 homolog gamma (C. elegans) (Pard6g), mRNA.	Mme-M200004971	ILMN_1237631	0	0
26430	Parg	0.170	-0.068	0.084	0	0	0	0	0	0	NM_011960	poly (ADP-ribose) glycohydrolase (Parg), mRNA.	Mme-M200003406	ILMN_2437900	0	0
50873	Park2	-0.270	-0.052	-0.112	0	0	0	0	0	0	NM_016694	parkin (Park2), mRNA.	Mme-M200013858	ILMN_2773073	0	0
57320	Park7	0.053	-0.109	-0.147	0	0	0	0	0	0	NM_020569	Parkinson disease (autosomal recessive, early onset) 7 (Park7), mRNA.	Mme-M200000942	ILMN_2728754	0	0
381038	Parl	0.122	0.128	-0.182	0	0	0	0	0	0	NM_001005767	presenilin associated, rhomboid-like (Parl), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300009026	ILMN_2884646	0	0
231440	Parm1	-0.253	0.071	0.061	0	0	0	0	0	0	NM_145562	RIKEN cDNA 9130213B05 gene (9130213B05Rik), mRNA.	Mme-M200014054	ILMN_1237546	0	0
74108	Parn	-0.003	0.020	-0.019	0	0	0	0	0	0	NM_028761	poly(A)-specific ribonuclease (deadenylation nuclease) (Parn), mRNA.	Mme-M300003456	ILMN_2620390	0	0
11545	Parp1	-0.080	0.130	-0.109	0	0	0	0	0	0	NM_007415	poly (ADP-ribose) polymerase family, member 1 (Parp1), mRNA.	Mme-M200002779	ILMN_2971744	0	0
101187	Parp11	0.201	0.103	0.040	0	0	0	0	0	0	NM_181402	poly (ADP-ribose) polymerase family, member 11 (Parp11), mRNA.	Mme-M300011272	ILMN_2594311	0	0
243771	Parp12	0.247	0.382	0.302	0	0	0	0	0	0	NM_172893	poly (ADP-ribose) polymerase family, member 12 (Parp12), mRNA.	Mme-M300011591	ILMN_1228913	0	0
547253	Parp14	0.520	0.732	0.177	0	1	0	0	1	0	NM_001039530	poly (ADP-ribose) polymerase family, member 14 (Parp14), mRNA.	Mme-M300009340	ILMN_2825803	1	0
214424	Parp16	-0.130	-0.052	-0.114	0	0	0	0	0	0	NM_177460	poly (ADP-ribose) polymerase family, member 16 (Parp16), mRNA.	Mme-M400001460	ILMN_1216174	0	0
11546	Parp2	0.063	0.043	0.097	0	0	0	0	0	0	NM_009632	poly (ADP-ribose) polymerase family, member 2 (Parp2), mRNA.	Mme-M200002267	ILMN_1226731	0	0
235587	Parp3	0.257	0.053	0.287	0	0	0	0	0	0	NM_145619	poly (ADP-ribose) polymerase family, member 3 (Parp3), mRNA.	Mme-M300003710	ILMN_2870302	0	0
328417	Parp4	0.149	0.313	0.096	0	0	0	0	0	0	XM_994286	PREDICTED: poly (ADP-ribose) polymerase family, member 4 (Parp4), mRNA.	Mme-M300012544	ILMN_2758215	0	0
67287	Parp6	0.135	-0.125	0.023	0	0	0	0	0	0	NM_029922	poly (ADP-ribose) polymerase family, member 6 (Parp6), mRNA.	Mme-M300004529	ILMN_2768073	0	0
52552	Parp8	0.151	0.055	-0.061	0	0	0	0	0	0	NM_001081009	poly (ADP-ribose) polymerase family, member 8 (Parp8), mRNA.	Mme-M200004091	ILMN_2598402	0	0
75317	Parpbp	-0.320	0.075	-0.023	0	0	0	0	0	0	NM_029249	RIKEN cDNA 4930547N16 gene (4930547N16Rik), mRNA.	Mme-M400001799	ILMN_2669172	0	0
230577	Pars2	-0.125	0.200	-0.104	0	0	0	0	0	0	NM_172272	prolyl-tRNA synthetase (mitochondrial)(putative) (Pars2), nuclear gene encoding mitochondrial protein, transcri	Mme-M300014636	ILMN_2947286	0	0
57342	Parva	0.138	-0.191	-0.008	0	0	0	0	0	0	NM_020606	parvin, alpha (Parva), mRNA.	Mme-M300007425	ILMN_1242472	0	0
170736	Parvb	0.061	0.071	-0.001	0	0	0	0	0	0	NM_133167	parvin, beta (Parvb), mRNA.	Mme-M400000575	ILMN_1245061	0	0
64099	Parvg	-0.156	0.276	0.269	0	0	0	0	0	0	NM_022321	parvin, gamma (Parvg), mRNA.	Mme-M300003284	ILMN_2764580	0	0
269224	Pask	-0.026	-0.039	-0.020	0	0	0	0	0	0	NM_080850	PAS domain containing serine/threonine kinase (Pask), mRNA.	Mme-M200007096	ILMN_1250738	0	0
56872	Pate4	0.001	0.048	-0.003	0	0	0	0	0	0	NM_020264	seminal vesicle secretory protein 7 (Svs7), mRNA.	Mme-M200016182	ILMN_2797040	0	0
225929	Patl1	0.242	-0.065	-0.115	0	0	0	0	0	0	NM_172635	protein associated with topoisomerase II homolog 1 (yeast) (Patl1), mRNA.	Mme-M300017066	ILMN_1230790	0	0
67578	Patl2	0.003	0.001	-0.013	0	0	0	0	0	0	NM_026251	protein associated with topoisomerase II homolog 2 (yeast) (Patl2), mRNA.	Mme-M200009598	ILMN_2646179	0	0
56218	Patz1	0.080	0.225	0.088	0	0	0	0	0	0	NM_019574	POZ (BTB) and AT hook containing zinc finger 1 (Patz1), mRNA.	Mme-M300002204	ILMN_2797594	0	0
114774	Pawr	0.053	-0.339	0.096	0	0	0	0	0	0	NM_054056	PRKC, apoptosis, WT1, regulator (Pawr), mRNA.	Mme-M300016650	ILMN_1253838	0	0
18503	Pax1	0.132	-0.085	0.087	0	0	0	0	0	0	NM_008780	paired box gene 1 (Pax1), mRNA.	Mme-M300010706	ILMN_2816956	0	0
18504	Pax2	0.013	0.030	-0.086	0	0	0	0	0	0	NM_011037	paired box gene 2 (Pax2), mRNA.	Mme-M300000535	ILMN_2949326	0	0
18505	Pax3	-0.009	0.045	0.003	0	0	0	0	0	0	NM_008781	paired box gene 3 (Pax3), mRNA.	Mme-M400000097	ILMN_2634195	0	0
18506	Pax4	-0.027	0.075	0.024	0	0	0	0	0	0	NM_011038	paired box gene 4 (Pax4), mRNA.	Mme-M200002647	ILMN_2714629	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18507	Pax5	-0.094	0.054	0.080	0	0	0	0	0	0	NM_008782	paired box gene 5 (Pax5), mRNA.	Mme-M400000203	ILMN_2687307	0	0
18508	Pax6	-0.094	-0.036	0.045	0	0	0	0	0	0	NM_013627	paired box gene 6 (Pax6), mRNA.	Mme-M300005492	ILMN_2612187	0	0
18509	Pax7	-0.008	-0.128	0.048	0	0	0	0	0	0	NM_011039	paired box gene 7 (Pax7), mRNA.	Mme-M400001114	ILMN_2709591	0	0
18510	Pax8	-0.183	0.041	-0.072	0	0	0	0	0	0	NM_011040	paired box gene 8 (Pax8), mRNA.	Mme-M200000953	ILMN_1256173	0	0
18511	Pax9	-0.192	-0.046	0.024	0	0	0	0	0	0	NM_011041	paired box gene 9 (Pax9), mRNA.	Mme-M300000199	ILMN_1248859	0	0
67367	Paxbp1	0.062	-0.109	-0.057	0	0	0	0	0	0	XM_358888	PREDICTED: RIKEN cDNA 1810007M14 gene, transcript variant 1 (1810007M14Rik), mRNA.	Mme-M200000121	ILMN_2681311	0	0
55982	Paxip1	0.050	-0.058	-0.065	0	0	0	0	0	0	NM_018878	PAX interacting (with transcription-activation domain) protein 1 (Paxip1), mRNA.	Mme-M300000287	ILMN_2787775	0	0
67683	Pbdc1	0.215	0.152	0.077	0	0	0	0	0	0	NM_026312	RIKEN cDNA 2610029G23 gene (2610029G23Rik), mRNA.	Mme-M200011952	ILMN_2605448	0	0
52033	Pbk	-0.098	0.216	0.107	0	0	0	0	0	0	NM_023209	PDZ binding kinase (Pbk), mRNA.	Mme-M300003073	ILMN_2929896	0	0
68371	Pbld1	-0.102	-0.190	0.016	0	0	0	0	0	0	NM_026701	phenazine biosynthesis-like protein domain containing (Pbld), mRNA.	Mme-M200008685	ILMN_1245913	0	0
67307	Pbld2	-0.044	-0.154	-0.048	0	0	0	0	0	0	NM_026085	RIKEN cDNA 3110049J23 gene (3110049J23Rik), mRNA.	Mme-M200005003	ILMN_2680628	0	0
66923	Pbrm1	-0.321	-0.249	-0.267	0	0	0	0	0	0	NM_001081251	polybromo 1 (Pbrm1), mRNA.	Mme-M400000524	ILMN_2550291	0	0
54192	Pbsn	0.063	0.035	-0.024	0	0	0	0	0	0	NM_017471	probasin (Pbsn), mRNA.	Mme-M200002655	ILMN_2692759	0	0
18514	Pbx1	0.266	-0.108	-0.110	0	0	0	0	0	0	NM_183355	pre B-cell leukemia transcription factor 1 (Pbx1), transcript variant a, mRNA.	Mme-M400013372	ILMN_2587711	0	0
18515	Pbx2	-0.198	0.171	-0.078	0	0	0	0	0	0	NM_017463	pre B-cell leukemia transcription factor 2 (Pbx2), mRNA.	Mme-M400001725	ILMN_2916489	0	0
18516	Pbx3	-0.080	-0.084	0.065	0	0	0	0	0	0	NM_016768	pre B-cell leukemia transcription factor 3 (Pbx3), mRNA.	Mme-M200002526	ILMN_2650972	0	0
80720	Pbx4	-0.266	0.049	-0.063	0	0	0	0	0	0	NM_001024954	pre-B-cell leukemia homeobox 4 (Pbx4), mRNA.	Mme-M300007937	ILMN_1216709	0	0
229534	Pbxip1	0.469	0.088	0.052	0	0	0	0	0	0	NM_146131	pre-B-cell leukemia transcription factor interacting protein 1 (Pbxip1), mRNA.	Mme-M300013787	ILMN_2679937	0	0
13180	Pcbd1	-0.002	-0.114	-0.100	0	0	0	0	0	0	NM_025273	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 1 (I	Mme-M200008194	ILMN_2690575	0	0
72562	Pcbd2	-0.033	-0.265	-0.133	0	0	0	0	0	0	NM_028281	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2 (I	Mme-M200005854	ILMN_2876775	0	0
23983	Pcbp1	0.115	-0.069	0.027	0	0	0	0	0	0	NM_011865	poly(rC) binding protein 1 (Pcbp1), mRNA.	Mme-M400003863	ILMN_2702197	0	0
18521	Pcbp2	0.022	0.180	0.164	0	0	0	0	0	0	NM_001103166	poly(rC) binding protein 2 (Pcbp2), transcript variant 3, mRNA.	Mme-M400005658	ILMN_2843355	0	0
59093	Pcbp3	-0.012	0.286	-0.018	0	0	0	0	0	0	NM_021568	poly(rC) binding protein 3 (Pcbp3), mRNA.	Mme-M200009490	ILMN_1213692	0	0
59092	Pcbp4	-0.123	-0.025	0.019	0	0	0	0	0	0	NM_021567	poly(rC) binding protein 4 (Pcbp4), mRNA.	Mme-M300003738	ILMN_2607408	0	0
110821	Pcca	0.108	-0.296	-0.065	0	0	0	0	0	0	NM_144844	propionyl-Coenzyme A carboxylase, alpha polypeptide (Pcca), mRNA.	Mme-M200004712	ILMN_2921698	0	0
66904	Pccb	-0.102	0.154	-0.137	0	0	0	0	0	0	NM_025835	propionyl Coenzyme A carboxylase, beta polypeptide (Pccb), mRNA.	Mme-M200004049	ILMN_2875938	0	0
75599	Pcdh1	0.075	0.264	-0.161	0	0	0	0	0	0	NM_029357	protocadherin 1 (Pcdh1), mRNA.	Mme-M200007868	ILMN_1260020	0	0
18526	Pcdh10	0.180	0.177	-0.039	0	0	0	0	0	0	NM_011043	protocadherin 10 (Pcdh10), transcript variant 4, mRNA.	Mme-M400011097	ILMN_1228833	0	0
245578	Pcdh11x	-0.201	0.025	0.011	0	0	0	0	0	0	NM_001081385	protocadherin 11 X-linked (Pcdh11x), mRNA.	Mme-M300015568	ILMN_2707253	0	0
53601	Pcdh12	-0.282	-0.017	-0.095	0	0	0	0	0	0	NM_017378	protocadherin 12 (Pcdh12), mRNA.	Mme-M200003151	ILMN_1245119	0	0
219228	Pcdh17	-0.252	-0.188	-0.203	0	0	0	0	0	0	NM_001013753	protocadherin 17 (Pcdh17), mRNA.	Mme-M400010031	ILMN_2528431	0	0
73173	Pcdh18	-0.126	-0.015	-0.029	0	0	0	0	0	0	NM_130448	protocadherin 18 (Pcdh18), mRNA.	Mme-M200015818	ILMN_2729113	0	0
279653	Pcdh19	-0.111	0.191	-0.099	0	0	0	0	0	0	NM_001105246	protocadherin 19 (Pcdh19), transcript variant 2, mRNA.	Mme-M400015209	ILMN_2696829	0	0
219257	Pcdh20	0.036	0.498	-0.130	0	1	0	0	0	0	NM_178685	protocadherin 20 (Pcdh20), mRNA.	Mme-M300021200	ILMN_1237302	0	0
54216	Pcdh7	0.119	-0.213	-0.058	0	0	0	0	0	0	NM_018764	protocadherin 7 (Pcdh7), transcript variant 2, mRNA.	Mme-M400009352	ILMN_2881857	0	0
18530	Pcdh8	-0.117	0.093	-0.025	0	0	0	0	0	0	NM_001042726	protocadherin 8 (Pcdh8), transcript variant 2, mRNA.	Mme-M200008656	ILMN_1233633	0	0
211712	Pcdh9	-0.072	-0.234	0.240	0	0	0	0	0	0	NM_001081377	protocadherin 9 (Pcdh9), mRNA.	Mme-M300009656	ILMN_3028837	0	0
116731	Pcdha1	-0.055	0.003	0.017	0	0	0	0	0	0	NM_054072	protocadherin alpha 1 (Pcdha1), mRNA.	Mme-M400005554	ILMN_2598910	0	0
353234	Pcdha2	0.024	-0.039	-0.042	0	0	0	0	0	0	NM_198117	protocadherin alpha 2 (Pcdha2), mRNA.	Mme-M400005549	ILMN_2634519	0	0
192163	Pcdha3	-0.014	-0.067	0.094	0	0	0	0	0	0	NM_138662	protocadherin alpha 3 (Pcdha3), mRNA.	Mme-M400005546	ILMN_2886128	0	0
12941	Pcdha5	0.146	0.200	-0.205	0	0	0	0	0	0	NM_009959	protocadherin alpha 5 (Pcdha5), mRNA.	Mme-M300000897	ILMN_1215440	0	0
12939	Pcdha7	0.124	-0.051	0.046	0	0	0	0	0	0	NM_009957	protocadherin alpha 7 (Pcdha7), mRNA.	Mme-M200012273	ILMN_2689952	0	0
192161	Pcdha9	-0.332	-0.007	0.080	0	0	0	0	0	0	NM_138661	protocadherin alpha 9 (Pcdha9), mRNA.	Mme-M300020980	ILMN_2954889	0	0
93872	Pcdhb1	0.146	0.025	-0.028	0	0	0	0	0	0	NM_053126	protocadherin beta 1 (Pcdhb1), mRNA.	Mme-M200012769	ILMN_2724088	0	0
93881	Pcdhb10	-0.160	0.016	-0.068	0	0	0	0	0	0	NM_053135	protocadherin beta 10 (Pcdhb10), mRNA.	Mme-M400003060	ILMN_1213750	0	0
93882	Pcdhb11	0.187	-0.028	-0.056	0	0	0	0	0	0	NM_053136	protocadherin beta 11 (Pcdhb11), mRNA.	Mme-M400003831	ILMN_1224410	0	0
93883	Pcdhb12	-0.286	-0.116	-0.059	0	0	0	0	0	0	NM_053137	protocadherin beta 12 (Pcdhb12), mRNA.	Mme-M200012768	ILMN_1216692	0	0
93884	Pcdhb13	0.010	-0.009	0.081	0	0	0	0	0	0	NM_053138	protocadherin beta 13 (Pcdhb13), mRNA.	Mme-M200012767	ILMN_1239577	0	0
93885	Pcdhb14	0.281	-0.041	-0.018	0	0	0	0	0	0	NM_053139	protocadherin beta 14 (Pcdhb14), mRNA.	Mme-M300015090	ILMN_2607000	0	0
93886	Pcdhb15	0.091	-0.024	-0.010	0	0	0	0	0	0	NM_053140	protocadherin beta 15 (Pcdhb15), mRNA.	Mme-M300017899	ILMN_2600952	0	0
93887	Pcdhb16	-0.010	-0.071	0.135	0	0	0	0	0	0	NM_053141	protocadherin beta 16 (Pcdhb16), mRNA.	Mme-M400003362	ILMN_2658008	0	0
93888	Pcdhb17	0.157	-0.018	0.049	0	0	0	0	0	0	NM_053142	protocadherin beta 17 (Pcdhb17), mRNA.	Mme-M200015877	ILMN_1214296	0	0
93889	Pcdhb18	0.019	-0.032	-0.038	0	0	0	0	0	0	NM_053143	protocadherin beta 18 (Pcdhb18), mRNA.	Mme-M200012783	ILMN_2643460	0	0
93890	Pcdhb19	-0.233	-0.013	-0.028	0	0	0	0	0	0	NM_053144	protocadherin beta 19 (Pcdhb19), mRNA.	Mme-M200008906	ILMN_2465874	0	0
93873	Pcdhb2	0.186	0.030	-0.070	0	0	0	0	0	0	NM_053127	protocadherin beta 2 (Pcdhb2), mRNA.	Mme-M200012803	ILMN_1241712	0	0
93891	Pcdhb20	0.061	-0.017	-0.143	0	0	0	0	0	0	NM_053145	protocadherin beta 20 (Pcdhb20), mRNA.	Mme-M400011763	ILMN_2979449	0	0
93892	Pcdhb21	-0.021	-0.025	0.054	0	0	0	0	0	0	NM_053146	protocadherin beta 21 (Pcdhb21), mRNA.	Mme-M200012780	ILMN_2696207	0	0
93893	Pcdhb22	0.171	-0.187	0.083	0	0	0	0	0	0	NM_053147	protocadherin beta 22 (Pcdhb22), mRNA.	Mme-M200003502	ILMN_2640457	0	0
93874	Pcdhb3	0.177	-0.247	0.011	0	0	0	0	0	0	NM_053128	protocadherin beta 3 (Pcdhb3), mRNA.	Mme-M200015592	ILMN_1253649	0	0
93875	Pcdhb4	0.036	0.054	-0.002	0	0	0	0	0	0	NM_053129	protocadherin beta 4 (Pcdhb4), mRNA.	Mme-M400003064	ILMN_2884819	0	0
93876	Pcdhb5	0.127	0.091	0.013	0	0	0	0	0	0	NM_053130	protocadherin beta 5 (Pcdhb5), mRNA.	Mme-M300021932	ILMN_2619321	0	0
93877	Pcdhb6	0.015	-0.027	-0.018	0	0	0	0	0	0	NM_053131	protocadherin beta 6 (Pcdhb6), mRNA.	Mme-M400003859	ILMN_1226638	0	0
93878	Pcdhb7	-0.161	0.069	-0.050	0	0	0	0	0	0	NM_053132	protocadherin beta 7 (Pcdhb7), mRNA.	Mme-M300016041	ILMN_2903796	0	0
93879	Pcdhb8	0.023	0.059	0.122	0	0	0	0	0	0	NM_053133	protocadherin beta 8 (Pcdhb8), mRNA.	Mme-M400003084	ILMN_2648921	0	0
93880	Pcdhb9	0.121	-0.077	-0.066	0	0	0	0	0	0	NM_053134	protocadherin beta 9 (Pcdhb9), mRNA.	Mme-M200008977	ILMN_2711955	0	0
93709	Pcdhga1	0.105	-0.001	0.007	0	0	0	0	0	0	NM_033584	protocadherin gamma subfamily A, 1 (Pcdhga1), mRNA.	Mme-M400011747	ILMN_2767191	0	0
93722	Pcdhga10	0.109	0.047	0.139	0	0	0	0	0	0	NM_033593	protocadherin gamma subfamily A, 10 (Pcdhga10), mRNA.	Mme-M400011753	ILMN_1228667	0	0
93724	Pcdhga12	0.010	0.127	0.034	0	0	0	0	0	0	NM_033595	protocadherin gamma subfamily A, 12 (Pcdhga12), mRNA.	Mme-M400009079	ILMN_2961000	0	0
93710	Pcdhga2	-0.028	0.062	0.067	0	0	0	0	0	0	NM_033585	protocadherin gamma subfamily A, 2 (Pcdhga2), mRNA.	Mme-M400009074	ILMN_2746009	0	0
93711	Pcdhga3	-0.005	-0.048	-0.022	0	0	0	0	0	0	NM_033586	protocadherin gamma subfamily A, 3 (Pcdhga3), mRNA.	Mme-M400009075	ILMN_1226799	0	0
93714	Pcdhga6	-0.083	0.017	0.027	0	0	0	0	0	0	NM_033589	protocadherin gamma subfamily A, 6 (Pcdhga6), mRNA.	Mme-M400011750	ILMN_2612710	0	0
93715	Pcdhga7	-0.075	0.033	0.041	0	0	0	0	0	0	NM_033590	protocadherin gamma subfamily A, 7 (Pcdhga7), mRNA.	Mme-M400011751	ILMN_1252556	0	0
93716	Pcdhga8	-0.186	0.021	0.108	0	0	0	0	0	0	NM_033591	protocadherin gamma subfamily A, 8 (Pcdhga8), mRNA.	Mme-M400009076	ILMN_2705452	0	0
93717	Pcdhga9	-0.022	-0.063	-0.025	0	0	0	0	0	0	NM_033592	protocadherin gamma subfamily A, 9 (Pcdhga9), mRNA.	Mme-M400011752	ILMN_2767156	0	0
93699	Pcdhgb1	0.172	-0.008	-0.002	0	0	0	0	0	0	NM_033574	protocadherin gamma subfamily B, 1 (Pcdhgb1), mRNA.	Mme-M400011740	ILMN_2627161	0	0
93700	Pcdhgb2	-0.327	0.069	0.029	0	0	0	0	0	0	NM_033575	protocadherin gamma subfamily B, 2 (Pcdhgb2), mRNA.	Mme-M400011741	ILMN_2735175	0	0
93702	Pcdhgb5	-0.103	0.104	-0.027	0	0	0	0	0	0	NM_033577	protocadherin gamma subfamily B, 5 (Pcdhgb5), mRNA.	Mme-M400011743	ILMN_2589952	0	0
93703	Pcdhgb6	0.061	-0.008	0.052	0	0	0	0	0	0	NM_033578	protocadherin gamma subfamily B, 6 (Pcdhgb6), mRNA.	Mme-M400009077	ILMN_2722632	0	0
93704	Pcdhgb7	0.044	-0.009	0.088	0	0	0	0	0	0	NM_033579	protocadherin gamma subfamily B, 7 (Pcdhgb7), mRNA.	Mme-M400011744	ILMN_1228723	0	0
93705	Pcdhgb8	-0.384	-0.002	-0.014	0	0	0	0	0	0	NM_033580	protocadherin gamma subfamily B, 8 (Pcdhgb8), mRNA.	Mme-M400011745	ILMN_2748021	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
93706	Pcdhgc3	0.043	0.134	0.039	0	0	0	0	0	0	NM_033581	protocadherin gamma subfamily C, 3 (Pcdhgc3), mRNA.	Mme-M400009080	ILMN_2890002	0	0
93707	Pcdhgc4	0.068	0.031	-0.075	0	0	0	0	0	0	NM_033582	protocadherin gamma subfamily C, 4 (Pcdhgc4), mRNA.	Mme-M400009081	ILMN_2700468	0	0
93708	Pcdhgc5	0.047	0.055	-0.100	0	0	0	0	0	0	NM_033583	protocadherin gamma subfamily C, 5 (Pcdhgc5), mRNA.	Mme-M400011746	ILMN_2672878	0	0
319513	Pced1a	0.232	0.050	-0.131	0	0	0	0	0	0	NM_001114541	RIKEN cDNA A930025D01 gene (A930025D01Rik), mRNA.	Mme-M300011111	ILMN_1223523	0	0
239647	Pced1b	-0.035	0.153	0.082	0	0	0	0	0	0	NM_172293	cDNA sequence BC038822 (BC038822), mRNA.	Mme-M300015278	ILMN_1237625	0	0
74737	Pcf11	-0.209	0.150	-0.003	0	0	0	0	0	0	NM_029078	cleavage and polyadenylation factor subunit homolog (S. cerevisiae) (Pcf11), mRNA.	Mme-M400006368	ILMN_3160194	0	0
69837	Pcgf1	-0.283	0.094	-0.129	0	0	0	0	0	0	NM_197992	polycomb group ring finger 1 (Pcgf1), mRNA.	Mme-M300009642	ILMN_2606130	0	0
22658	Pcgf2	0.066	0.080	-0.038	0	0	0	0	0	0	NM_009545	polycomb group ring finger 2 (Pcgf2), mRNA.	Mme-M300001687	ILMN_2650883	0	0
69587	Pcgf3	-0.140	-0.190	-0.130	0	0	0	0	0	0	NM_172716	polycomb group ring finger 3 (Pcgf3), mRNA.	Mme-M400001581	ILMN_2673601	0	0
76073	Pcgf5	0.221	-0.008	0.175	0	0	0	0	0	0	NM_029508	polycomb group ring finger 5 (Pcgf5), mRNA.	Mme-M300004334	ILMN_1243593	0	0
71041	Pcgf6	-0.153	-0.065	0.155	0	0	0	0	0	0	NM_027654	polycomb group ring finger 6 (Pcgf6), mRNA.	Mme-M200008028	ILMN_1251165	0	0
234069	Pcid2	0.191	0.055	-0.113	0	0	0	0	0	0	NM_178708	PCI domain containing 2 (Pcid2), mRNA.	Mme-M300011616	ILMN_2776271	0	0
228866	Pcif1	0.018	0.072	-0.036	0	0	0	0	0	0	NM_146129	RIKEN cDNA F730014I05 gene (F730014I05Rik), mRNA.	Mme-M300012408	ILMN_2626864	0	0
18534	Pck1	-0.091	-0.041	-0.058	0	0	0	0	0	0	NM_011044	phosphoenolpyruvate carboxykinase 1, cytosolic (Pck1), mRNA.	Mme-M200013944	ILMN_1213632	0	0
74551	Pck2	-0.048	0.035	0.040	0	0	0	0	0	0	NM_028994	phosphoenolpyruvate carboxykinase 2 (mitochondrial) (Pck2), nuclear gene encoding mitochondrial protein, mR	Mme-M200006691	ILMN_2676406	0	0
26875	Pclo	0.121	-0.046	-0.305	0	0	-1	0	0	0	NM_011995	piccolo (presynaptic cytomatrix protein) (Pclo), transcript variant 1, mRNA.	Mme-M300006339	ILMN_2665813	0	0
18536	Pcm1	0.219	0.068	-0.023	0	0	0	0	0	0	NM_023662	pericentriolar material 1 (Pcm1), mRNA.	Mme-M300007815	ILMN_2601618	0	0
18537	Pcmt1	-0.080	-0.124	0.109	0	0	0	0	0	0	NM_008786	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1 (Pcmt1), mRNA.	Mme-M200005093	ILMN_2717374	0	0
319263	Pcmtd1	0.133	-0.138	0.139	0	0	0	0	0	0	NM_183028	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 (Pcmtd1), mRNA.	Mme-M300001267	ILMN_1256175	0	0
245867	Pcmtd2	-0.156	-0.047	-0.056	0	0	0	0	0	0	NM_153594	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2 (Pcmtd2), mRNA.	Mme-M300005710	ILMN_2647084	0	0
18538	Pcna	0.333	-0.100	-0.006	0	0	0	0	0	0	NM_011045	proliferating cell nuclear antigen (Pcna), mRNA.	Mme-M300005593	ILMN_2762026	0	0
76302	Pcnp	0.243	-0.054	0.007	0	0	0	0	0	0	NM_001024622	PEST proteolytic signal containing nuclear protein (Pcnp), mRNA.	Mme-M400014570	ILMN_2667983	0	0
18541	Pcnt	-0.028	0.173	-0.027	0	0	0	0	0	0	NM_008787	pericentrin (kendrin) (Pcnt), transcript variant 1, mRNA.	Mme-M200001715	ILMN_2721221	0	0
54604	Pcnx	-0.178	-0.181	-0.040	0	0	0	0	0	0	NM_018814	pecanex homolog (Drosophila) (Pcnx), mRNA.	Mme-M400014601	ILMN_2750767	0	0
270109	Pcnxl2	-0.270	0.113	-0.141	0	0	0	0	0	0	NM_175561	pecanex-like 2 (Drosophila) (Pcnxl2), transcript variant 2, mRNA.	Mme-M300007934	ILMN_2688560	0	0
104401	Pcnxl3	0.239	-0.016	-0.001	0	0	0	0	0	0	NM_144868	pecanex-like 3 (Drosophila) (Pcnxl3), mRNA.	Mme-M400004962	ILMN_3068699	0	0
67708	Pcnxl4	0.341	-0.034	0.118	0	0	0	0	0	0	NM_026327	RIKEN cDNA 1810048J11 gene (1810048J11Rik), mRNA.	Mme-M200003032	ILMN_2856187	0	0
18542	Pcolce	0.461	0.179	-0.139	0	0	0	0	0	0	NM_008788	procollagen C-endopeptidase enhancer protein (Pcolce), mRNA.	Mme-M300006835	ILMN_1253741	0	0
76477	Pcolce2	0.000	-0.141	0.138	0	0	0	0	0	0	NM_029620	procollagen C-endopeptidase enhancer 2 (Pcolce2), mRNA.	Mme-M200014365	ILMN_1238603	0	0
18546	Pcp4	0.030	0.000	0.068	0	0	0	0	0	0	NM_008791	Purkinje cell protein 4 (Pcp4), mRNA.	Mme-M200002097	ILMN_2752830	0	0
66425	Pcp4l1	-0.019	0.234	0.698	0	0	1	0	0	0	NM_025557	Purkinje cell protein 4-like 1 (Pcp4l1), mRNA.	Mme-M200005807	ILMN_1218127	1	0
18548	Pcsk1	0.093	-0.016	0.023	0	0	0	0	0	0	NM_013628	proprotein convertase subtilisin/kexin type 1 (Pcsk1), mRNA.	Mme-M200000513	ILMN_2680894	0	0
30052	Pcsk1n	-0.012	-0.082	-0.048	0	0	0	0	0	0	NM_013892	proprotein convertase subtilisin/kexin type 1 inhibitor (Pcsk1n), mRNA.	Mme-M200002013	ILMN_2664455	0	0
18549	Pcsk2	0.062	0.249	-0.157	0	0	0	0	0	0	NM_008792	proprotein convertase subtilisin/kexin type 2 (Pcsk2), mRNA.	Mme-M200000462	ILMN_2924391	0	0
18551	Pcsk4	-0.253	0.072	-0.122	0	0	0	0	0	0	NM_008793	proprotein convertase subtilisin/kexin type 4 (Pcsk4), mRNA.	Mme-M300002016	ILMN_1252464	0	0
18552	Pcsk5	0.216	0.079	-0.112	0	0	0	0	0	0	XM_129214	PREDICTED: proprotein convertase subtilisin/kexin type 5 (Pcsk5), mRNA.	Mme-M300004273	ILMN_1225746	0	0
18553	Pcsk6	0.696	0.001	-0.482	1	0	-1	0	0	-1	XM_886136	PREDICTED: proprotein convertase subtilisin/kexin type 6, transcript variant 2 (Pcsk6), mRNA.	Mme-M200007288	ILMN_2637094	0	1
18554	Pcsk7	0.227	0.015	-0.080	0	0	0	0	0	0	NM_008794	proprotein convertase subtilisin/kexin type 7 (Pcsk7), mRNA.	Mme-M200001254	ILMN_2694962	0	0
100102	Pcsk9	0.151	-0.078	-0.067	0	0	0	0	0	0	NM_153565	proprotein convertase subtilisin/kexin type 9 (Pcsk9), mRNA.	Mme-M300015282	ILMN_2756023	0	0
18559	Pctp	-0.151	-0.035	0.048	0	0	0	0	0	0	NM_008796	phosphatidylcholine transfer protein (Pctp), mRNA.	Mme-M200002126	ILMN_2705979	0	0
18563	Pcx	0.133	-0.038	-0.098	0	0	0	0	0	0	NM_008797	pyruvate carboxylase (Pcx), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200000713	ILMN_2748361	0	0
66881	Pcyox1	-0.160	-0.191	0.187	0	0	0	0	0	0	NM_025823	prenylcysteine oxidase 1 (Pcyox1), mRNA.	Mme-M200007010	ILMN_2472504	0	0
240334	Pcyox1l	-0.060	0.043	0.032	0	0	0	0	0	0	NM_172832	prenylcysteine oxidase 1 like (Pcyox1l), mRNA.	Mme-M300004216	ILMN_2684575	0	0
13026	Pcyt1a	-0.191	-0.427	0.303	0	-1	0	0	0	0	NM_009981	phosphate cytidylyltransferase 1, choline, alpha isoform (Pcyt1a), mRNA.	Mme-M200002296	ILMN_2688728	0	0
236899	Pcyt1b	-0.206	0.183	-0.090	0	0	0	0	0	0	NM_177546	phosphate cytidylyltransferase 1, choline, beta isoform (Pcyt1b), transcript variant 2, mRNA.	Mme-M300009809	ILMN_3132186	0	0
68671	Pcyt2	0.082	0.059	0.153	0	0	0	0	0	0	NM_024229	phosphate cytidylyltransferase 2, ethanolamine (Pcyt2), mRNA.	Mme-M200004127	ILMN_2694038	0	0
231887	Pdap1	0.158	-0.138	-0.524	0	0	-1	0	0	-1	NM_001033313	PDGFA associated protein 1 (Pdap1), mRNA.	Mme-M300006779	ILMN_2654932	0	1
20028	Pdc	0.073	0.077	-0.108	0	0	0	0	0	0	NM_024458	phosducin (Pdc), mRNA.	Mme-M200000435	ILMN_2682754	0	0
18566	Pdcd1	-0.112	-0.141	0.114	0	0	0	0	0	0	NM_008798	programmed cell death 1 (Pdcd1), mRNA.	Mme-M200002098	ILMN_1260060	0	0
56426	Pdcd10	0.097	-0.193	0.134	0	0	0	0	0	0	NM_019745	programmed cell death 10 (Pdcd10), mRNA.	Mme-M300005810	ILMN_2806851	0	0
18572	Pdcd11	0.012	0.042	-0.007	0	0	0	0	0	0	NM_011053	programmed cell death protein 11 (Pdcd11), mRNA.	Mme-M200013513	ILMN_2610066	0	0
58205	Pdcd1lg2	0.226	0.351	0.023	0	0	0	0	0	0	NM_021396	programmed cell death 1 ligand 2 (Pdcd1lg2), mRNA.	Mme-M200008816	ILMN_2979089	0	0
18567	Pdcd2	0.105	-0.172	0.049	0	0	0	0	0	0	NM_008799	programmed cell death 2 (Pdcd2), mRNA.	Mme-M200000116	ILMN_2648170	0	0
68079	Pdcd2l	0.340	-0.091	-0.049	0	0	0	0	0	0	NM_026549	programmed cell death 2-like (Pdcd2l), mRNA.	Mme-M200008023	ILMN_2684300	0	0
18569	Pdcd4	0.212	0.138	-0.180	0	0	0	0	0	0	NM_011050	programmed cell death 4 (Pdcd4), mRNA.	Mme-M300004402	ILMN_1253237	0	0
56330	Pdcd5	-0.036	-0.083	0.079	0	0	0	0	0	0	NM_019746	programmed cell death 5 (Pdcd5), mRNA.	Mme-M200004183	ILMN_2756658	0	0
18570	Pdcd6	0.274	0.043	0.037	0	0	0	0	0	0	NM_011051	programmed cell death 6 (Pdcd6), mRNA.	Mme-M200004845	ILMN_2681832	0	0
18571	Pdcd6ip	-0.097	0.084	-0.016	0	0	0	0	0	0	NM_011052	programmed cell death 6 interacting protein (Pdcd6ip), mRNA.	Mme-M300008284	ILMN_1216394	0	0
50996	Pdcd7	-0.126	-0.011	0.098	0	0	0	0	0	0	NM_016688	programmed cell death protein 7 (Pdcd7), mRNA.	Mme-M200006374	ILMN_1240075	0	0
67466	Pdcl	0.151	0.097	0.024	0	0	0	0	0	0	NM_026176	phosducin-like (Pdcl), mRNA.	Mme-M400011545	ILMN_2997256	0	0
79455	Pdcl2	-0.220	0.044	0.069	0	0	0	0	0	0	NM_023508	phosducin-like 2 (Pdcl2), mRNA.	Mme-M300006565	ILMN_2632847	0	0
68833	Pdcl3	0.064	0.003	0.052	0	0	0	0	0	0	NM_026850	phosducin-like 3 (Pdcl3), mRNA.	Mme-M300004926	ILMN_2964511	0	0
213350	Pddc1	0.118	0.219	-0.145	0	0	0	0	0	0	NM_172116	Parkinson disease 7 domain containing 1 (Pddc1), mRNA.	Mme-M400003764	ILMN_2857326	0	0
23984	Pde10a	0.105	-0.008	0.039	0	0	0	0	0	0	NM_011866	phosphodiesterase 10A (Pde10a), mRNA.	Mme-M300003781	ILMN_2733915	0	0
241489	Pde11a	-0.004	-0.006	-0.086	0	0	0	0	0	0	NM_001081033	phosphodiesterase 11A (Pde11a), mRNA.	Mme-M300005443	ILMN_2720173	0	0
211948	Pde12	0.013	0.004	0.009	0	0	0	0	0	0	NM_178668	RIKEN cDNA E430028B21 gene (E430028B21Rik), mRNA.	Mme-M300014766	ILMN_1237621	0	0
18573	Pde1a	0.346	-0.111	0.366	0	0	1	0	0	0	NM_001009978	phosphodiesterase 1A, calmodulin-dependent (Pde1a), transcript variant 7, mRNA.	Mme-M200008305	ILMN_3146952	0	0
18574	Pde1b	0.337	0.621	-0.043	0	1	0	0	1	0	NM_008800	phosphodiesterase 1B, Ca2+-calmodulin dependent (Pde1b), mRNA.	Mme-M200000021	ILMN_2730293	1	0
18575	Pde1c	-0.371	-0.038	-0.035	0	0	0	0	0	0	NM_011054	phosphodiesterase 1C (Pde1c), transcript variant 1, mRNA.	Mme-M300000548	ILMN_2632435	0	0
54611	Pde3a	0.228	0.056	-0.127	0	0	0	0	0	0	NM_018779	phosphodiesterase 3A, cGMP inhibited (Pde3a), mRNA.	Mme-M200008607	ILMN_2629556	0	0
18577	Pde4a	0.600	0.105	0.060	0	0	0	0	0	0	NM_183408	phosphodiesterase 4A, cAMP specific (Pde4a), transcript variant 5, mRNA.	Mme-M400009608	ILMN_2751548	0	0
18578	Pde4b	0.071	0.030	0.104	0	0	0	0	0	0	NM_019840	phosphodiesterase 4B, cAMP specific (Pde4b), mRNA.	Mme-M400001091	ILMN_2697552	0	0
110385	Pde4c	-0.208	-0.018	-0.042	0	0	0	0	0	0	NM_201607	phosphodiesterase 4C, cAMP specific (Pde4c), mRNA.	Mme-M400001411	ILMN_2724315	0	0
238871	Pde4d	-0.024	0.186	0.078	0	0	0	0	0	0	NM_011056	phosphodiesterase 4D, cAMP specific (Pde4d), mRNA.	Mme-M300002900	ILMN_1236700	0	0
83679	Pde4dip	0.613	-0.129	-0.129	0	0	0	0	0	0	NM_001110163	phosphodiesterase 4D interacting protein (myomegalin) (Pde4dip), transcript variant 4, mRNA.	Mme-M200005738	ILMN_3064283	0	0
242202	Pde5a	-0.196	0.013	0.077	0	0	0	0	0	0	NM_153422	phosphodiesterase 5A, cGMP-specific (Pde5a), mRNA.	Mme-M400009249	ILMN_2764541	0	0
225600	Pde6a	-0.121	-0.050	-0.050	0	0	0	0	0	0	NM_146086	phosphodiesterase 6A, cGMP-specific, rod, alpha (Pde6a), mRNA.	Mme-M200000538	ILMN_2858753	0	0
18587	Pde6b	-0.040	0.074	-0.029	0	0	0	0	0	0	NM_008806	phosphodiesterase 6B, cGMP, rod receptor, beta polypeptide (Pde6b), mRNA.	Mme-M200000540	ILMN_2595543	0	0
110855	Pde6c	-0.101	-0.052	0.090	0	0	0	0	0	0	NM_033614	phosphodiesterase 6C, cGMP specific, cone, alpha prime (Pde6c), mRNA.	Mme-M200012787	ILMN_1227214	0	0
18582	Pde6d	0.166	-0.188	-0.163	0	0	0	0	0	0	NM_008801	phosphodiesterase 6D, cGMP-specific, rod, delta (Pde6d), mRNA.	Mme-M300004999	ILMN_3158668	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18588	Pde6g	-0.028	-0.089	-0.016	0	0	0	0	0	0	NM_012065	phosphodiesterase 6G, cGMP-specific, rod, gamma (Pde6g), mRNA.	Mme-M300004617	ILMN_2590508	0	0
78600	Pde6h	0.023	0.026	-0.025	0	0	0	0	0	0	NM_023898	phosphodiesterase 6H, cGMP-specific, cone, gamma (Pde6h), mRNA.	Mme-M300007076	ILMN_2776969	0	0
18583	Pde7a	-0.412	-0.005	0.065	0	0	0	0	0	0	NM_008802	phosphodiesterase 7A (Pde7a), transcript variant 1, mRNA.	Mme-M400010860	ILMN_2604556	0	0
218461	Pde8b	0.110	-0.019	0.053	0	0	0	0	0	0	NM_172263	phosphodiesterase 8B (Pde8b), mRNA.	Mme-M400008902	ILMN_2721613	0	0
18585	Pde9a	-0.113	-0.042	-0.017	0	0	0	0	0	0	NM_008804	phosphodiesterase 9A (Pde9a), mRNA.	Mme-M200003007	ILMN_2626863	0	0
18591	Pdgfb	-0.330	0.354	0.056	0	0	0	0	0	0	NM_011057	platelet derived growth factor, B polypeptide (Pdgfb), mRNA.	Mme-M200009508	ILMN_2726543	0	0
54635	Pdgfc	0.245	0.056	0.006	0	0	0	0	0	0	NM_019971	platelet-derived growth factor, C polypeptide (Pdgfc), mRNA.	Mme-M200008261	ILMN_2753912	0	0
71785	Pdgfd	-0.173	-0.019	0.051	0	0	0	0	0	0	NM_027924	platelet-derived growth factor, D polypeptide (Pdgfd), mRNA.	Mme-M300008021	ILMN_2618739	0	0
18595	Pdgfra	-0.341	-0.239	0.101	0	0	0	0	0	0	NM_011058	platelet derived growth factor receptor, alpha polypeptide (Pdgfra), transcript variant 1, mRNA.	Mme-M200001112	ILMN_1235932	0	0
18596	Pdgfrb	0.214	0.132	-0.023	0	0	0	0	0	0	NM_008809	platelet derived growth factor receptor, beta polypeptide (Pdgfrb), mRNA.	Mme-M200001612	ILMN_2903972	0	0
68797	Pdgfrl	0.466	0.109	-0.061	0	0	0	0	0	0	NM_026840	platelet-derived growth factor receptor-like (Pdgfrl), mRNA.	Mme-M200006244	ILMN_2903926	0	0
18597	Pdha1	0.292	0.092	-0.102	0	0	0	0	0	0	NM_008810	pyruvate dehydrogenase E1 alpha 1 (Pdha1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007653	ILMN_2679851	0	0
18598	Pdha2	-0.369	-0.009	0.079	0	0	0	0	0	0	NM_008811	pyruvate dehydrogenase E1 alpha 2 (Pdha2), mRNA.	Mme-M400003330	ILMN_2667428	0	0
68263	Pdhb	0.089	0.110	0.104	0	0	0	0	0	0	NM_024221	pyruvate dehydrogenase (lipoamide) beta (Pdhb), mRNA.	Mme-M400000509	ILMN_3116570	0	0
27402	Pdhx	0.204	0.102	0.014	0	0	0	0	0	0	NM_175094	pyruvate dehydrogenase complex, component X (Pdhx), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300001117	ILMN_2731894	0	0
69191	Pdia2	-0.446	-0.037	0.070	0	0	0	0	0	0	NM_001081070	protein disulfide isomerase associated 2 (Pdia2), mRNA.	Mme-M300003961	ILMN_1215125	0	0
14827	Pdia3	0.229	0.169	0.030	0	0	0	0	0	0	NM_007952	protein disulfide isomerase associated 3 (Pdia3), mRNA.	Mme-M200000251	ILMN_2736875	0	0
12304	Pdia4	1.517	1.091	0.442	1	1	1	1	1	1	NM_009787	protein disulfide isomerase associated 4 (Pdia4), mRNA.	Mme-M300004801	ILMN_1249670	3	0
72599	Pdia5	0.241	0.258	-0.206	0	0	0	0	0	0	NM_028295	protein disulfide isomerase associated 5 (Pdia5), mRNA.	Mme-M200015304	ILMN_1255177	0	0
71853	Pdia6	0.364	0.015	-0.049	0	0	0	0	0	0	NM_027959	protein disulfide isomerase associated 6 (Pdia6), mRNA.	Mme-M300002251	ILMN_2489360	0	0
230809	Pdik1l	-0.028	-0.085	0.122	0	0	0	0	0	0	NM_146156	PDLIM1 interacting kinase 1 like (Pdik1l), mRNA.	Mme-M300021553	ILMN_1220174	0	0
71830	Pdilt	-0.080	-0.083	0.063	0	0	0	0	0	0	XM_133805	PREDICTED: RIKEN cDNA 1700007B13 gene (1700007B13Rik), mRNA.	Mme-M200015663	ILMN_1236696	0	0
228026	Pdk1	0.187	-0.079	-0.058	0	0	0	0	0	0	NM_172665	pyruvate dehydrogenase kinase, isoenzyme 1 (Pdk1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400017725	ILMN_1229318	0	0
18604	Pdk2	0.302	0.096	-0.114	0	0	0	0	0	0	NM_133667	pyruvate dehydrogenase kinase, isoenzyme 2 (Pdk2), mRNA.	Mme-M200006644	ILMN_2737658	0	0
236900	Pdk3	0.049	0.036	0.091	0	0	0	0	0	0	NM_145630	pyruvate dehydrogenase kinase, isoenzyme 3 (Pdk3), mRNA.	Mme-M300009795	ILMN_2676876	0	0
27273	Pdk4	0.576	0.247	-0.347	0	0	-1	0	0	0	NM_013743	pyruvate dehydrogenase kinase, isoenzyme 4 (Pdk4), mRNA.	Mme-M400011220	ILMN_1259322	0	0
54132	Pdlim1	0.268	-0.017	-0.210	0	0	0	0	0	0	NM_016861	PDZ and LIM domain 1 (elfin) (Pdlim1), mRNA.	Mme-M400011266	ILMN_1234072	0	0
213019	Pdlim2	0.092	0.123	-0.129	0	0	0	0	0	0	NM_145978	PDZ and LIM domain 2 (Pdlim2), mRNA.	Mme-M300003084	ILMN_2619767	0	0
53318	Pdlim3	0.297	-0.376	-0.349	0	0	-1	0	0	0	NM_016798	PDZ and LIM domain 3 (Pdlim3), mRNA.	Mme-M200002530	ILMN_2885990	0	0
30794	Pdlim4	0.144	0.154	0.055	0	0	0	0	0	0	NM_019417	PDZ and LIM domain 4 (Pdlim4), mRNA.	Mme-M200004227	ILMN_2606162	0	0
56376	Pdlim5	0.283	0.200	-0.071	0	0	0	0	0	0	NM_022554	PDZ and LIM domain 5 (Pdlim5), transcript variant 3, mRNA.	Mme-M400009257	ILMN_3137570	0	0
67399	Pdlim7	0.515	-0.245	-0.032	0	0	0	0	0	0	NM_001114088	PDZ and LIM domain 7 (Pdlim7), transcript variant a, mRNA.	Mme-M200006698	ILMN_2430813	0	0
381511	Pdp1	0.355	0.204	0.166	0	0	0	0	0	0	NM_001098231	protein phosphatase 2C, magnesium dependent, catalytic subunit (Ppm2c), nuclear gene encoding mitochondria	Mme-M300019980	ILMN_3162452	0	0
382051	Pdp2	-0.221	-0.403	-0.145	0	0	0	0	0	0	NM_001024606	RIKEN cDNA 4833426J09 gene (4833426J09Rik), mRNA.	Mme-M400003408	ILMN_3134598	0	0
18607	Pdpk1	-0.134	-0.262	-0.628	0	0	-1	0	0	-1	NM_001080773	3-phosphoinositide dependent protein kinase-1 (Pdpk1), transcript variant 2, mRNA.	Mme-M200002935	ILMN_3124885	0	1
14726	Pdpn	0.013	-0.026	0.141	0	0	0	0	0	0	NM_010329	podoplanin (Pdpn), mRNA.	Mme-M300006171	ILMN_2654754	0	0
319518	Pdpr	0.067	-0.126	-0.017	0	0	0	0	0	0	NM_198308	RIKEN cDNA 4930402E16 gene (4930402E16Rik), mRNA.	Mme-M300008864	ILMN_2696146	0	0
68559	Pdrg1	0.194	0.009	0.036	0	0	0	0	0	0	NM_178939	p53 and DNA damage regulated 1 (Pdrg1), mRNA.	Mme-M200003118	ILMN_1249417	0	0
71521	Pds5a	0.079	-0.161	-0.057	0	0	0	0	0	0	NM_001081321	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae) (Pds5a), mRNA.	Mme-M300001514	ILMN_1233060	0	0
100710	Pds5b	0.176	-0.115	0.071	0	0	0	0	0	0	NM_175310	PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae) (Pds5b), mRNA.	Mme-M300009093	ILMN_2460850	0	0
56075	Pdss1	0.115	0.150	0.129	0	0	0	0	0	0	NM_019501	prenyl (solanesyl) diphosphate synthase, subunit 1 (Pdss1), mRNA.	Mme-M300005281	ILMN_2986605	0	0
94184	Pdxdc1	0.309	-0.086	-0.106	0	0	0	0	0	0	NM_001039533	pyridoxal-dependent decarboxylase domain containing 1 (Pdxdc1), transcript variant 3, mRNA.	Mme-M400000597	ILMN_1249297	0	0
216134	Pdxk	0.073	-0.119	-0.099	0	0	0	0	0	0	NM_172134	pyridoxal (pyridoxine, vitamin B6) kinase (Pdxk), mRNA.	Mme-M300008443	ILMN_2649478	0	0
57028	Pdxp	-0.045	0.161	0.021	0	0	0	0	0	0	NM_020271	pyridoxal (pyridoxine, vitamin B6) phosphatase (Pdxp), mRNA.	Mme-M400011359	ILMN_1228470	0	0
72621	Pdzd11	0.078	0.152	0.095	0	0	0	0	0	0	NM_028303	PDZ domain containing 11 (Pdzd11), mRNA.	Mme-M200013672	ILMN_1259379	0	0
68070	Pdzd2	-0.682	-0.165	-0.061	-1	0	0	0	0	0	NM_001081064	PDZ domain containing 2 (Pdzd2), mRNA.	Mme-M400002252	ILMN_1231978	0	0
170761	Pdzd3	-0.076	0.011	-0.102	0	0	0	0	0	0	NM_133226	PDZ domain containing 3 (Pdzd3), mRNA.	Mme-M200006700	ILMN_1258691	0	0
245469	Pdzd4	-0.113	0.092	0.015	0	0	0	0	0	0	NM_001029868	PDZ domain containing 4 (Pdzd4), mRNA.	Mme-M300000262	ILMN_2644822	0	0
107368	Pdzd8	-0.085	-0.276	-0.054	0	0	0	0	0	0	NM_001033222	PDZ domain containing 8 (Pdzd8), mRNA.	Mme-M400003861	ILMN_1234324	0	0
59020	Pdzk1	-0.253	0.001	0.029	0	0	0	0	0	0	NM_021517	PDZ domain containing 1 (Pdzk1), mRNA.	Mme-M200005790	ILMN_2924754	0	0
67182	Pdzk1ip1	-0.010	-0.421	0.050	0	-1	0	0	0	0	NM_026018	PDZK1 interacting protein 1 (Pdzk1ip1), mRNA.	Mme-M300006251	ILMN_2618935	0	0
69239	Pdzph1	0.134	-0.118	-0.068	0	0	0	0	0	0	NM_027001	RIKEN cDNA 2610034M16 gene (2610034M16Rik), mRNA.	Mme-M200011895	ILMN_2980212	0	0
55983	Pdzrn3	-0.216	-0.091	0.117	0	0	0	0	0	0	NM_018884	PDZ domain containing RING finger 3 (Pdzrn3), mRNA.	Mme-M400005947	ILMN_3156010	0	0
239618	Pdzrn4	-0.066	0.144	-0.179	0	0	0	0	0	0	XM_992218	PREDICTED: PDZ domain containing RING finger 4 (Pdzrn4), mRNA.	Mme-M400001882	ILMN_1249150	0	0
18611	Pea15a	-0.354	0.094	0.036	0	0	0	0	0	0	NM_011063	phosphoprotein enriched in astrocytes 15A (Pea15a), transcript variant 2, mRNA.	Mme-M400011098	ILMN_2624938	0	0
244895	Peak1	0.178	0.098	0.054	0	0	0	0	0	0	NM_172924	RIKEN cDNA C230081A13 gene (C230081A13Rik), mRNA.	Mme-M400013009	ILMN_2461077	0	0
73182	Pear1	0.078	0.188	-0.145	0	0	0	0	0	0	NM_001032414	platelet endothelial aggregation receptor 1 (Pear1), transcript variant 4, mRNA.	Mme-M200010587	ILMN_3100125	0	0
23980	Pebp1	-0.054	0.102	0.054	0	0	0	0	0	0	NM_018858	phosphatidylethanolamine binding protein 1 (Pebp1), mRNA.	Mme-M400001514	ILMN_1214488	0	0
73523	Pebp4	-0.174	0.015	0.069	0	0	0	0	0	0	NM_028560	RIKEN cDNA 1700081D17 gene (1700081D17Rik), transcript variant 1, mRNA.	Mme-M200004631	ILMN_3021142	0	0
111175	Pecr	0.209	-0.014	-0.007	0	0	0	0	0	0	NM_023523	peroxisomal trans-2-enoyl-CoA reductase (Pecr), mRNA.	Mme-M300004977	ILMN_1220354	0	0
67898	Pef1	-0.058	0.211	-0.092	0	0	0	0	0	0	NM_026441	penta-EF hand domain containing 1 (Pef1), mRNA.	Mme-M300006287	ILMN_2643723	0	0
170676	Peg10	-0.126	0.055	-0.097	0	0	0	0	0	0	NM_130877	paternally expressed 10 (Peg10), transcript variant 1, mRNA.	Mme-M400003451	ILMN_3037645	0	0
27412	Peg12	-0.132	-0.106	-0.033	0	0	0	0	0	0	NM_013788	paternally expressed 12 (Peg12), mRNA.	Mme-M400003708	ILMN_1221331	0	0
18616	Peg3	0.265	-0.272	-0.369	0	0	-1	0	0	0	NM_008817	paternally expressed 3 (Peg3), mRNA.	Mme-M300000290	ILMN_1245246	0	0
67245	Peli1	0.142	0.105	0.264	0	0	0	0	0	0	NM_023324	pellino 1 (Peli1), mRNA.	Mme-M200006248	ILMN_2627441	0	0
93834	Peli2	-0.117	-0.211	0.024	0	0	0	0	0	0	NM_033602	pellino 2 (Peli2), mRNA.	Mme-M400000519	ILMN_2491462	0	0
240518	Peli3	-0.245	-0.102	-0.218	0	0	0	0	0	0	NM_172835	pellino 3 (Peli3), mRNA.	Mme-M300004367	ILMN_1239882	0	0
75273	Pelp1	-0.124	0.067	-0.017	0	0	0	0	0	0	NM_029231	proline, glutamic acid and leucine rich protein 1 (Pelp1), mRNA.	Mme-M300001752	ILMN_2787310	0	0
18618	Pemt	0.068	0.021	0.032	0	0	0	0	0	0	NM_008819	phosphatidylethanolamine N-methyltransferase (Pemt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001033	ILMN_1218263	0	0
18619	Penk	0.408	0.134	0.009	0	0	0	0	0	0	NM_001002927	preproenkephalin 1 (Penk1), mRNA.	Mme-M200001101	ILMN_2719921	0	0
226153	Peo1	0.200	0.143	0.261	0	0	0	0	0	0	NM_153796	progressive external ophthalmoplegia 1 (human) (Peo1), mRNA.	Mme-M300004514	ILMN_1243077	0	0
18624	Pepd	0.002	0.078	-0.144	0	0	0	0	0	0	NM_008820	peptidase D (Pepd), mRNA.	Mme-M200015276	ILMN_2743831	0	0
18626	Per1	0.182	0.104	-0.283	0	0	0	0	0	0	NM_011065	period homolog 1 (Drosophila) (Per1), mRNA.	Mme-M200002536	ILMN_2813484	0	0
18627	Per2	-0.273	-0.155	-0.381	0	0	-1	0	0	0	NM_011066	period homolog 2 (Drosophila) (Per2), mRNA.	Mme-M400008663	ILMN_2987862	0	0
18628	Per3	-0.010	0.301	-0.230	0	0	0	0	0	0	NM_011067	period homolog 3 (Drosophila) (Per3), mRNA.	Mme-M400013831	ILMN_1257393	0	0
74183	Perm1	1.143	0.177	-0.154	1	0	0	1	0	0	NM_172417	RIKEN cDNA 2310042D19 gene (2310042D19Rik), mRNA.	Mme-M200004950	ILMN_2957987	1	0
64058	Perp	0.310	0.007	-0.006	0	0	0	0	0	0	NM_022032	PERP, TP53 apoptosis effector (Perp), mRNA.	Mme-M400011407	ILMN_1256476	0	0
64934	Pes1	-0.021	-0.116	0.049	0	0	0	0	0	0	NM_022889	pescadillo homolog 1, containing BRCT domain (zebrafish) (Pes1), mRNA.	Mme-M400001660	ILMN_2638558	0	0
18630	Pet2	-0.062	-0.012	0.055	0	0	0	0	0	0	NM_008821	plasmacytoma expressed transcript 2 (Pet2), mRNA.	Mme-M200001181	ILMN_2821371	0	0
668173	Pex10	0.148	-0.082	0.029	0	0	0	0	0	0	NM_001042407	peroxisome biogenesis factor 10 (Pex10), mRNA.	Mme-M400001133	ILMN_2941122	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18631	Pex11a	0.133	-0.330	-0.135	0	0	0	0	0	0	NM_011068	peroxisomal biogenesis factor 11a (Pex11a), mRNA.	Mme-M200003929	ILMN_1249264	0	0
18632	Pex11b	0.079	0.056	-0.125	0	0	0	0	0	0	NM_011069	peroxisomal biogenesis factor 11b (Pex11b), mRNA.	Mme-M200003993	ILMN_1258372	0	0
69129	Pex11g	-0.065	-0.038	-0.119	0	0	0	0	0	0	NM_026951	peroxisomal biogenesis factor 11c (Pex11c), mRNA.	Mme-M400000092	ILMN_2715661	0	0
103737	Pex12	-0.044	0.060	0.022	0	0	0	0	0	0	NM_134025	peroxisomal biogenesis factor 12 (Pex12), mRNA.	Mme-M200006984	ILMN_1250747	0	0
72129	Pex13	-0.486	-0.203	-0.083	0	0	0	0	0	0	NM_023651	peroxisomal biogenesis factor 13 (Pex13), mRNA.	Mme-M200006225	ILMN_2853360	0	0
56273	Pex14	-0.196	-0.214	-0.021	0	0	0	0	0	0	NM_019781	peroxisomal biogenesis factor 14 (Pex14), mRNA.	Mme-M200001837	ILMN_2650751	0	0
18633	Pex16	0.145	-0.019	-0.122	0	0	0	0	0	0	NM_145122	peroxisome biogenesis factor 16 (Pex16), mRNA.	Mme-M300005521	ILMN_2812824	0	0
19298	Pex19	-0.045	-0.105	0.120	0	0	0	0	0	0	NM_023041	peroxisome biogenesis factor 19 (Pex19), mRNA.	Mme-M200009514	ILMN_2970834	0	0
19302	Pex2	0.168	0.103	-0.072	0	0	0	0	0	0	NM_008994	peroxisome biogenesis factor 2 (Pex2), mRNA.	Mme-M300012630	ILMN_1243221	0	0
74043	Pex26	0.117	0.076	-0.121	0	0	0	0	0	0	NM_028730	peroxisome biogenesis factor 26 (Pex26), mRNA.	Mme-M200007645	ILMN_2652077	0	0
56535	Pex3	0.150	-0.089	0.171	0	0	0	0	0	0	NM_019961	peroxisomal biogenesis factor 3 (Pex3), mRNA.	Mme-M200013540	ILMN_2801934	0	0
19305	Pex5	0.138	0.104	-0.212	0	0	0	0	0	0	NM_175933	peroxisome biogenesis factor 5 (Pex5), transcript variant 2, mRNA.	Mme-M200004384	ILMN_1226978	0	0
58869	Pex5l	-0.178	-0.037	-0.024	0	0	0	0	0	0	NM_021483	peroxisomal biogenesis factor 5-like (Pex5l), mRNA.	Mme-M200009619	ILMN_2617930	0	0
224824	Pex6	-0.156	-0.250	-0.193	0	0	0	0	0	0	NM_145488	peroxisomal biogenesis factor 6 (Pex6), mRNA.	Mme-M200013533	ILMN_2716085	0	0
18634	Pex7	-0.115	-0.309	0.060	0	0	0	0	0	0	NM_008822	peroxisome biogenesis factor 7 (Pex7), mRNA.	Mme-M200000922	ILMN_2739118	0	0
56744	Pf4	0.347	0.004	0.202	0	0	0	0	0	0	NM_019932	platelet factor 4 (Pf4), mRNA.	Mme-M200004722	ILMN_2757966	0	0
237823	Pfas	-0.122	0.016	0.021	0	0	0	0	0	0	XM_111232	PREDICTED: phosphoribosylformylglycinamidine synthase (FGAR amidotransferase) (Pfas), mRNA.	Mme-M400006380	ILMN_1259612	0	0
67199	Pfdn1	0.065	-0.001	-0.040	0	0	0	0	0	0	NM_026027	prefoldin 1 (Pfdn1), mRNA.	Mme-M200006883	ILMN_2600643	0	0
18637	Pfdn2	-0.095	0.144	-0.205	0	0	0	0	0	0	NM_011070	prefoldin 2 (Pfdn2), mRNA.	Mme-M300000803	ILMN_1219667	0	0
109054	Pfdn4	0.106	0.088	0.146	0	0	0	0	0	0	NM_001013369	prefoldin 4 (Pfdn4), transcript variant 2, mRNA.	Mme-M400003978	ILMN_3036114	0	0
56612	Pfdn5	-0.079	-0.024	-0.126	0	0	0	0	0	0	NM_027044	prefoldin 5 (Pfdn5), mRNA.	Mme-M300000178	ILMN_2671747	0	0
18639	Pfkfb1	-0.064	0.087	-0.070	0	0	0	0	0	0	NM_008824	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 (Pfkfb1), mRNA.	Mme-M400000818	ILMN_2667132	0	0
18640	Pfkfb2	-0.037	-0.207	0.065	0	0	0	0	0	0	NM_008825	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 (Pfkfb2), mRNA.	Mme-M300005092	ILMN_1253966	0	0
170768	Pfkfb3	-0.095	-0.030	0.184	0	0	0	0	0	0	NM_133232	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (Pfkfb3), mRNA.	Mme-M300005277	ILMN_2860174	0	0
270198	Pfkfb4	-0.527	0.105	0.050	0	0	0	0	0	0	NM_173019	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 (Pfkfb4), mRNA.	Mme-M300004722	ILMN_2760468	0	0
18641	Pfkl	0.235	-0.097	0.097	0	0	0	0	0	0	NM_008826	phosphofructokinase, liver, B-type (Pfkl), mRNA.	Mme-M400000375	ILMN_2871325	0	0
18642	Pfkm	0.506	0.330	-0.143	0	0	0	0	0	0	NM_021514	phosphofructokinase, muscle (Pfkm), mRNA.	Mme-M200005294	ILMN_3004553	0	0
56421	Pfkp	0.135	0.234	-0.117	0	0	0	0	0	0	NM_019703	phosphofructokinase, platelet (Pfkp), mRNA.	Mme-M200008721	ILMN_1237695	0	0
18643	Pfn1	-0.003	0.333	0.189	0	0	0	0	0	0	NM_011072	profilin 1 (Pfn1), mRNA.	Mme-M300001652	ILMN_2673211	0	0
18645	Pfn2	0.095	-0.018	-0.131	0	0	0	0	0	0	NM_019410	profilin 2 (Pfn2), mRNA.	Mme-M400001029	ILMN_1235670	0	0
75477	Pfn3	-0.207	-0.021	-0.001	0	0	0	0	0	0	NM_029303	profilin 3 (Pfn3), mRNA.	Mme-M400002900	ILMN_2610314	0	0
382562	Pfn4	0.050	-0.004	-0.044	0	0	0	0	0	0	NM_028376	profilin family, member 4 (Pfn4), mRNA.	Mme-M200010539	ILMN_2618398	0	0
56093	Pfpl	-0.130	0.066	-0.038	0	0	0	0	0	0	NM_019540	pore forming protein-like (Pfpl), mRNA.	Mme-M200009446	ILMN_2606097	0	0
58803	Pga5	-0.028	0.063	-0.015	0	0	0	0	0	0	NM_021453	pepsinogen 5, group I (Pga5), mRNA.	Mme-M200007467	ILMN_2625262	0	0
18648	Pgam1	-0.029	0.037	-0.185	0	0	0	0	0	0	NM_023418	phosphoglycerate mutase 1 (Pgam1), mRNA.	Mme-M300021433	ILMN_2856157	0	0
56012	Pgam2	2.027	0.341	-0.280	1	0	0	1	0	0	NM_018870	phosphoglycerate mutase 2 (Pgam2), mRNA.	Mme-M200013095	ILMN_2588815	1	0
72542	Pgam5	0.482	0.076	-0.152	0	0	0	0	0	0	NM_028273	phosphoglycerate mutase family member 5 (Pgam5), mRNA.	Mme-M200015092	ILMN_1222334	0	0
233575	Pgap2	0.081	0.092	-0.093	0	0	0	0	0	0	NM_145583	FGF receptor activating protein 1 (Frag1), mRNA.	Mme-M200005985	ILMN_1235347	0	0
320655	Pgap3	-0.011	0.105	-0.027	0	0	0	0	0	0	NM_001033537	per1-like domain containing 1 (Perld1), mRNA.	Mme-M300011419	ILMN_2711000	0	0
319207	Pgbd1	0.073	-0.018	-0.093	0	0	0	0	0	0	XR_032178	PREDICTED: piggyBac transposable element derived 1 (Pgbd1), misc RNA.	Mme-M400012673	ILMN_1214826	0	0
209966	Pgbd5	-0.110	-0.098	-0.115	0	0	0	0	0	0	NM_171824	piggyBac transposable element derived 5 (Pgbd5), mRNA.	Mme-M300021424	ILMN_1253467	0	0
109820	Pgc	-0.195	-0.034	-0.048	0	0	0	0	0	0	NM_025973	progastricsin (pepsinogen C) (Pgc), mRNA.	Mme-M200004541	ILMN_2606088	0	0
110208	Pgd	0.182	-0.175	-0.047	0	0	0	0	0	0	NM_001081274	phosphogluconate dehydrogenase (Pgd), mRNA.	Mme-M200004874	ILMN_2712066	0	0
18654	Pgf	-0.058	0.073	-0.088	0	0	0	0	0	0	NM_008827	placental growth factor (Pgf), mRNA.	Mme-M200001970	ILMN_2768533	0	0
225467	Pggt1b	-0.023	0.129	-0.010	0	0	0	0	0	0	NM_172627	protein geranylgeranyltransferase type I, beta subunit (Pggt1b), mRNA.	Mme-M300004158	ILMN_2666038	0	0
18655	Pgk1	0.071	0.255	0.109	0	0	0	0	0	0	NM_008828	phosphoglycerate kinase 1 (Pgk1), mRNA.	Mme-M300007624	ILMN_2651886	0	0
18663	Pgk2	-0.533	0.023	0.104	0	0	0	0	0	0	NM_031190	phosphoglycerate kinase 2 (Pgk2), mRNA.	Mme-M400001349	ILMN_2766484	0	0
66171	Pgls	0.066	-0.255	0.021	0	0	0	0	0	0	NM_025396	6-phosphogluconolactonase (Pgls), mRNA.	Mme-M200006491	ILMN_2664548	0	0
21946	Pglyrp1	0.157	-0.035	0.251	0	0	0	0	0	0	NM_009402	peptidoglycan recognition protein 1 (Pglyrp1), mRNA.	Mme-M200004234	ILMN_2592486	0	0
57757	Pglyrp2	-0.254	0.274	0.023	0	0	0	0	0	0	NM_021319	peptidoglycan recognition protein 2 (Pglyrp2), mRNA.	Mme-M400011380	ILMN_2542959	0	0
242100	Pglyrp3	-0.137	-0.063	-0.051	0	0	0	0	0	0	NM_207247	peptidoglycan recognition protein 3 (Pglyrp3), mRNA.	Mme-M300013592	ILMN_2677504	0	0
384997	Pglyrp4	-0.190	0.051	-0.103	0	0	0	0	0	0	NM_207263	peptidoglycan recognition protein 4 (Pglyrp4), mRNA.	Mme-M300013598	ILMN_3075524	0	0
66681	Pgm1	0.068	-0.010	0.012	0	0	0	0	0	0	NM_025700	phosphoglucomutase 1 (Pgm1), mRNA.	Mme-M200000878	ILMN_2628578	0	0
72157	Pgm2	0.250	-0.068	-0.124	0	0	0	0	0	0	NM_028132	phosphoglucomutase 2 (Pgm2), mRNA.	Mme-M200004380	ILMN_1230977	0	0
70974	Pgm2l1	-0.056	-0.212	0.028	0	0	0	0	0	0	NM_027629	phosphoglucomutase 2-like 1 (Pgm2l1), mRNA.	Mme-M400016010	ILMN_2517100	0	0
109785	Pgm3	0.112	-0.045	-0.044	0	0	0	0	0	0	NM_028352	phosphoglucomutase 3 (Pgm3), mRNA.	Mme-M200003840	ILMN_1249694	0	0
226041	Pgm5	0.019	-0.151	0.078	0	0	0	0	0	0	NM_175013	phosphoglucomutase 5 (Pgm5), mRNA.	Mme-M300013331	ILMN_2472711	0	0
67078	Pgp	0.029	-0.238	0.050	0	0	0	0	0	0	NM_025954	RIKEN cDNA 1700012G19 gene (1700012G19Rik), mRNA.	Mme-M400002754	ILMN_2727318	0	0
66522	Pgpep1	-0.064	-0.043	-0.094	0	0	0	0	0	0	NM_023217	pyroglutamyl-peptidase I (Pgpep1), mRNA.	Mme-M200009810	ILMN_2846255	0	0
78444	Pgpep1l	-0.099	0.015	-0.004	0	0	0	0	0	0	XM_978288	PREDICTED: RIKEN cDNA C330024D12 gene (C330024D12Rik), mRNA.	Mme-M200009042	ILMN_2714212	0	0
18667	Pgr	0.339	-0.018	-0.022	0	0	0	0	0	0	NM_008829	progesterone receptor (Pgr), mRNA.	Mme-M200003124	ILMN_2657452	0	0
245526	Pgr15l	0.027	-0.091	-0.009	0	0	0	0	0	0	NM_001033361	G protein-coupled receptor 15-like (Pgr15l), mRNA.	Mme-M300007613	ILMN_2610629	0	0
53328	Pgrmc1	0.138	-0.015	0.104	0	0	0	0	0	0	NM_016783	progesterone receptor membrane component 1 (Pgrmc1), mRNA.	Mme-M300000793	ILMN_2623216	0	0
70804	Pgrmc2	-0.050	0.043	-0.125	0	0	0	0	0	0	XM_130859	PREDICTED: progesterone receptor membrane component 2, transcript variant 1 (Pgrmc2), mRNA.	Mme-M200008268	ILMN_1220641	0	0
74451	Pgs1	0.077	-0.093	0.030	0	0	0	0	0	0	NM_133757	phosphatidylglycerophosphate synthase 1 (Pgs1), mRNA.	Mme-M200013502	ILMN_1223307	0	0
218194	Phactr1	-0.160	0.134	-0.096	0	0	0	0	0	0	NM_001005748	phosphatase and actin regulator 1 (Phactr1), transcript variant 3, mRNA.	Mme-M300011642	ILMN_2596560	0	0
215789	Phactr2	-0.261	-0.036	-0.013	0	0	0	0	0	0	NM_001033257	phosphatase and actin regulator 2 (Phactr2), mRNA.	Mme-M400008015	ILMN_1222623	0	0
74189	Phactr3	0.154	-0.004	0.012	0	0	0	0	0	0	NM_001007154	phosphatase and actin regulator 3 (Phactr3), transcript variant 2, mRNA.	Mme-M200014094	ILMN_1256544	0	0
100169	Phactr4	0.019	-0.213	-0.029	0	0	0	0	0	0	NM_175306	phosphatase and actin regulator 4 (Phactr4), mRNA.	Mme-M400012300	ILMN_2600465	0	0
56698	Phax	-0.234	0.039	-0.055	0	0	0	0	0	0	NM_019996	RNA U, small nuclear RNA export adaptor (Rnuxa), mRNA.	Mme-M200013303	ILMN_2804636	0	0
18673	Phb	0.004	-0.021	0.009	0	0	0	0	0	0	NM_008831	prohibitin (Phb), mRNA.	Mme-M300011808	ILMN_2589533	0	0
12034	Phb2	0.245	-0.052	-0.101	0	0	0	0	0	0	NM_007531	prohibitin 2 (Phb2), mRNA.	Mme-M200007851	ILMN_1224868	0	0
13619	Phc1	0.052	-0.063	-0.061	0	0	0	0	0	0	NM_001042623	polyhomeotic-like 1 (Drosophila) (Phc1), transcript variant 2, mRNA.	Mme-M200002435	ILMN_2773464	0	0
54383	Phc2	0.149	-0.099	-0.084	0	0	0	0	0	0	NM_018774	polyhomeotic-like 2 (Drosophila) (Phc2), mRNA.	Mme-M200003288	ILMN_1226754	0	0
241915	Phc3	-0.195	0.041	-0.083	0	0	0	0	0	0	NM_153421	polyhomeotic-like 3 (Drosophila) (Phc3), mRNA.	Mme-M300011052	ILMN_2702360	0	0
18675	Phex	-0.105	0.083	0.077	0	0	0	0	0	0	NM_011077	phosphate regulating gene with homologies to endopeptidases on the X chromosome (hypophosphatemia, vitar	Mme-M200000950	ILMN_1243830	0	0
21652	Phf1	0.076	0.080	0.071	0	0	0	0	0	0	NM_009343	PHD finger protein 1 (Phf1), mRNA.	Mme-M200003658	ILMN_2588515	0	0
72057	Phf10	-0.043	-0.296	0.089	0	0	0	0	0	0	NM_024250	PHD finger protein 10 (Phf10), mRNA.	Mme-M200008353	ILMN_2712731	0	0
219131	Phf11a	0.307	0.473	0.404	0	1	1	0	0	0	NM_172603	PHD finger protein 11 (Phf11), mRNA.	Mme-M400002930	ILMN_2696492	0	0
219132	Phf11d	0.391	0.590	0.414	0	1	1	0	1	1	NM_199015	DNA segment, Chr 14, ERATO Doi 668, expressed (D14Ertd668e), mRNA.	Mme-M400012594	ILMN_2684848	2	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
268448	Phf12	0.045	0.216	0.098	0	0	0	0	0	0	NM_174852	PHD finger protein 12 (Phf12), mRNA.	Mme-M300011122	ILMN_2686926	0	0
230936	Phf13	0.089	0.096	-0.174	0	0	0	0	0	0	NM_172705	PHD finger protein 13 (Phf13), mRNA.	Mme-M400003343	ILMN_2882078	0	0
75725	Phf14	0.251	-0.241	-0.184	0	0	0	0	0	0	NM_029404	PHD finger protein 14 (Phf14), mRNA.	Mme-M300006783	ILMN_2725807	0	0
74016	Phf19	0.076	0.117	-0.031	0	0	0	0	0	0	NM_028716	PHD finger protein 19 (Phf19), mRNA.	Mme-M200015165	ILMN_2601840	0	0
18676	Phf2	0.012	0.164	-0.103	0	0	0	0	0	0	NM_011078	PHD finger protein 2 (Phf2), mRNA.	Mme-M200013222	ILMN_2664950	0	0
228829	Phf20	0.088	0.135	0.077	0	0	0	0	0	0	NM_172674	PHD finger protein 20 (Phf20), mRNA.	Mme-M300011352	ILMN_2664077	0	0
239510	Phf20l1	0.186	-0.222	-0.156	0	0	0	0	0	0	NM_001081409	PHD finger protein 20-like 1 (Phf20l1), mRNA.	Mme-M300010639	ILMN_2585738	0	0
192285	Phf21a	0.069	-0.061	-0.014	0	0	0	0	0	0	NM_001109690	PHD finger protein 21A (Phf21a), transcript variant 2, mRNA.	Mme-M400006284	ILMN_1220970	0	0
271305	Phf21b	-0.037	0.196	-0.147	0	0	0	0	0	0	NM_001081166	PHD finger protein 21B (Phf21b), mRNA.	Mme-M300001529	ILMN_1229266	0	0
78246	Phf23	0.160	0.020	-0.093	0	0	0	0	0	0	NM_030064	PHD finger protein 23 (Phf23), mRNA.	Mme-M400000296	ILMN_2984969	0	0
213109	Phf3	0.166	-0.173	0.048	0	0	0	0	0	0	NM_001081080	PHD finger protein 3 (Phf3), mRNA.	Mme-M400009768	ILMN_1245302	0	0
68479	Phf5a	0.122	0.079	0.066	0	0	0	0	0	0	NM_026737	PHD finger protein 5A (Phf5a), mRNA.	Mme-M300003310	ILMN_1251761	0	0
70998	Phf6	0.056	0.086	0.032	0	0	0	0	0	0	NM_027642	PHD finger protein 6 (Phf6), mRNA.	Mme-M200005362	ILMN_1230912	0	0
71838	Phf7	-0.249	0.078	-0.087	0	0	0	0	0	0	NM_027949	PHD finger protein 7 (Phf7), mRNA.	Mme-M200002246	ILMN_3002610	0	0
320595	Phf8	-0.031	0.169	-0.073	0	0	0	0	0	0	NM_001113354	PHD finger protein 8 (Phf8), transcript variant 2, mRNA.	Mme-M300013071	ILMN_1231683	0	0
236539	Phgdh	0.061	-0.009	0.043	0	0	0	0	0	0	NM_016966	3-phosphoglycerate dehydrogenase (Phgdh), mRNA.	Mme-M400006941	ILMN_2790181	0	0
83946	Phip	-0.102	-0.058	0.075	0	0	0	0	0	0	NM_001081216	pleckstrin homology domain interacting protein (Phip), mRNA.	Mme-M400013262	ILMN_1235559	0	0
18679	Phka1	-0.123	0.095	-0.016	0	0	0	0	0	0	NM_173021	phosphorylase kinase alpha 1 (Phka1), transcript variant 2, mRNA.	Mme-M400001638	ILMN_2712685	0	0
110094	Phka2	-0.304	-0.018	-0.093	0	0	0	0	0	0	NM_172783	phosphorylase kinase alpha 2 (Phka2), mRNA.	Mme-M300007653	ILMN_2725083	0	0
102093	Phkb	0.184	-0.082	0.204	0	0	0	0	0	0	NM_199446	phosphorylase kinase beta (Phkb), mRNA.	Mme-M300010591	ILMN_2657421	0	0
18682	Phkg1	0.705	0.312	-0.161	1	0	0	0	0	0	NM_011079	phosphorylase kinase gamma 1 (Phkg1), mRNA.	Mme-M300004684	ILMN_2769795	0	0
68961	Phkg2	0.254	0.116	0.079	0	0	0	0	0	0	NM_026888	phosphorylase kinase, gamma 2 (testis) (Phkg2), mRNA.	Mme-M200007038	ILMN_2619922	0	0
21664	Phlda1	0.024	0.175	-0.034	0	0	0	0	0	0	NM_009344	pleckstrin homology-like domain, family A, member 1 (Phlda1), mRNA.	Mme-M200001196	ILMN_2754985	0	0
22113	Phlda2	-0.036	-0.101	-0.004	0	0	0	0	0	0	NM_009434	pleckstrin homology-like domain, family A, member 2 (Phlda2), mRNA.	Mme-M200004673	ILMN_2425029	0	0
27280	Phlda3	0.056	0.059	0.113	0	0	0	0	0	0	NM_013750	pleckstrin homology-like domain, family A, member 3 (Phlda3), mRNA.	Mme-M400002551	ILMN_2628567	0	0
102693	Phldb1	-0.131	0.227	0.165	0	0	0	0	0	0	NM_153537	pleckstrin homology-like domain, family B, member 1 (Phldb1), mRNA.	Mme-M300008072	ILMN_2884126	0	0
208177	Phldb2	0.201	-0.118	0.183	0	0	0	0	0	0	NM_153412	pleckstrin homology-like domain, family B, member 2 (Phldb2), mRNA.	Mme-M400001534	ILMN_1220243	0	0
98432	Phlpp1	0.130	0.165	0.089	0	0	0	0	0	0	XM_001475839	PREDICTED: PH domain and leucine rich repeat protein phosphatase (Phlpp), mRNA.	Mme-M300015364	ILMN_1232451	0	0
237928	Phospho1	0.204	0.053	0.049	0	0	0	0	0	0	NM_153104	phosphatase, orphan 1 (Phospho1), mRNA.	Mme-M300021523	ILMN_1214899	0	0
73373	Phospho2	0.039	-0.048	0.099	0	0	0	0	0	0	NM_028521	phosphatase, orphan 2 (Phospho2), mRNA.	Mme-M200002807	ILMN_2596007	0	0
11859	Phox2a	0.003	0.226	0.069	0	0	0	0	0	0	NM_008887	paired-like homeobox 2a (Phox2a), mRNA.	Mme-M200002102	ILMN_1243025	0	0
18935	Phox2b	-0.084	0.002	0.093	0	0	0	0	0	0	NM_008888	paired-like homeobox 2b (Phox2b), mRNA.	Mme-M200013934	ILMN_2675812	0	0
75454	Phpt1	0.129	-0.041	-0.265	0	0	0	0	0	0	NM_029293	phosphohistidine phosphatase 1 (Phpt1), mRNA.	Mme-M200011845	ILMN_2626143	0	0
101471	Phrf1	0.164	0.186	0.131	0	0	0	0	0	0	NM_001081118	expressed sequence AA673488 (AA673488), mRNA.	Mme-M300011667	ILMN_3059135	0	0
18685	Phtf1	-0.094	-0.054	-0.083	0	0	0	0	0	0	NM_013629	putative homeodomain transcription factor 1 (Phtf1), mRNA.	Mme-M400006315	ILMN_2939522	0	0
68770	Phtf2	0.455	-0.124	-0.131	0	0	0	0	0	0	NM_172992	putative homeodomain transcription factor 2 (Phtf2), mRNA.	Mme-M400012257	ILMN_1252206	0	0
16922	Phyh	0.138	0.029	0.009	0	0	0	0	0	0	NM_010726	phytanoyl-CoA hydroxylase (Phyh), mRNA.	Mme-M200005407	ILMN_2756238	0	0
227696	Phyhd1	0.187	-0.080	-0.143	0	0	0	0	0	0	NM_172267	phytanoyl-CoA dioxygenase domain containing 1 (Phyhd1), mRNA.	Mme-M300000072	ILMN_2744193	0	0
105653	Phyhip	0.257	0.082	0.050	0	0	0	0	0	0	NM_145981	phytanoyl-CoA hydroxylase interacting protein (Phyhip), mRNA.	Mme-M300000429	ILMN_1223321	0	0
70911	Phyhipl	0.035	0.056	0.077	0	0	0	0	0	0	NM_178621	phytanoyl-CoA hydroxylase interacting protein-like (Phyhipl), mRNA.	Mme-M300011102	ILMN_2654366	0	0
72947	Phykpl	0.133	0.138	-0.164	0	0	0	0	0	0	NM_028398	alanine-glyoxylate aminotransferase 2-like 2 (Agxt2l2), mRNA.	Mme-M200011820	ILMN_1228943	0	0
94227	Pi15	-0.223	0.014	0.021	0	0	0	0	0	0	NM_053191	peptidase inhibitor 15 (Pi15), mRNA.	Mme-M400011770	ILMN_1260136	0	0
74116	Pi16	-0.029	0.176	0.034	0	0	0	0	0	0	NM_023734	peptidase inhibitor 16 (Pi16), mRNA.	Mme-M200007030	ILMN_2669062	0	0
84095	Pi4k2a	-0.128	0.000	-0.130	0	0	0	0	0	0	NM_145501	phosphatidylinositol 4-kinase type 2 alpha (Pi4k2a), mRNA.	Mme-M200008863	ILMN_2689025	0	0
67073	Pi4k2b	0.066	-0.314	0.090	0	0	0	0	0	0	NM_028744	phosphatidylinositol 4-kinase type 2 beta (Pi4k2b), transcript variant 2, mRNA.	Mme-M200015382	ILMN_3099758	0	0
224020	Pi4ka	0.208	-0.075	-0.124	0	0	0	0	0	0	NM_001001983	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide (Pi4ka), mRNA.	Mme-M300013320	ILMN_2998870	0	0
107650	Pi4kb	-0.043	-0.123	-0.144	0	0	0	0	0	0	NM_175356	phosphatidylinositol 4-kinase, catalytic, beta polypeptide (Pi4kb), mRNA.	Mme-M300011818	ILMN_2689259	0	0
319352	Pianp	-0.019	0.152	-0.126	0	0	0	0	0	0	NM_175696	RIKEN cDNA C530028O21 gene (C530028O21Rik), mRNA.	Mme-M300007146	ILMN_2642091	0	0
56469	Pias1	0.084	-0.240	-0.043	0	0	0	0	0	0	NM_019663	protein inhibitor of activated STAT 1 (Pias1), mRNA.	Mme-M200008127	ILMN_2737776	0	0
17344	Pias2	-0.085	0.025	-0.108	0	0	0	0	0	0	NM_008602	protein inhibitor of activated STAT 2 (Pias2), mRNA.	Mme-M300004630	ILMN_2762745	0	0
229615	Pias3	-0.250	0.118	-0.027	0	0	0	0	0	0	NM_018812	protein inhibitor of activated STAT 3 (Pias3), transcript variant 2, mRNA.	Mme-M400011298	ILMN_3163495	0	0
59004	Pias4	-0.049	-0.039	-0.070	0	0	0	0	0	0	NM_021501	protein inhibitor of activated STAT 4 (Pias4), mRNA.	Mme-M200007575	ILMN_2692454	0	0
52023	Pibf1	0.154	0.025	-0.056	0	0	0	0	0	0	NM_029320	progesterone immunomodulatory binding factor 1 (Pibf1), transcript variant 1, mRNA.	Mme-M200004522	ILMN_3040816	0	0
233489	Picalm	0.094	-0.033	-0.041	0	0	0	0	0	0	NM_146194	phosphatidylinositol binding clathrin assembly protein (Picalm), mRNA.	Mme-M300012114	ILMN_2769656	0	0
18693	Pick1	0.069	-0.112	-0.102	0	0	0	0	0	0	NM_001045558	protein interacting with C kinase 1 (Pick1), transcript variant 2, mRNA.	Mme-M200011903	ILMN_2628488	0	0
98496	Pid1	0.102	0.145	0.034	0	0	0	0	0	0	NM_001003948	RIKEN cDNA 5033414K04 gene (5033414K04Rik), mRNA.	Mme-M300016593	ILMN_2601946	0	0
57913	Pidd1	-0.090	0.101	-0.006	0	0	0	0	0	0	NM_022654	leucine-rich and death domain containing (Lrdd), mRNA.	Mme-M200009974	ILMN_2992009	0	0
234839	Piezo1	0.113	0.219	-0.026	0	0	0	0	0	0	XM_001481316	PREDICTED: cDNA sequence BC039210 (BC039210), mRNA.	Mme-M300001299	ILMN_2755511	0	0
667742	Piezo2	-0.127	-0.055	-0.027	0	0	0	0	0	0	XM_001478778	PREDICTED: RIKEN cDNA 9030411M15 gene (9030411M15Rik), mRNA.	Mme-M400009094	ILMN_1240597	0	0
208084	Pif1	-0.143	-0.030	0.005	0	0	0	0	0	0	NM_172453	PIF1 5'-to-3' DNA helicase homolog (S. cerevisiae) (Pif1), mRNA.	Mme-M300013005	ILMN_2714678	0	0
18700	Piga	0.073	-0.358	0.257	0	0	0	0	0	0	NM_011081	phosphatidylinositol glycan anchor biosynthesis, class A (Piga), mRNA.	Mme-M300007694	ILMN_1218310	0	0
55981	Pigb	-0.039	-0.075	0.023	0	0	0	0	0	0	NM_018889	phosphatidylinositol glycan anchor biosynthesis, class B (Pigb), mRNA.	Mme-M200009766	ILMN_1233237	0	0
67292	Pigc	0.138	-0.064	0.091	0	0	0	0	0	0	NM_001039045	phosphatidylinositol glycan anchor biosynthesis, class C (Pigc), transcript variant 2, mRNA.	Mme-M200014175	ILMN_1241054	0	0
18701	Pigf	0.055	0.230	-0.180	0	0	0	0	0	0	NM_008838	phosphatidylinositol glycan anchor biosynthesis, class F (Pigf), mRNA.	Mme-M200000291	ILMN_1219939	0	0
110417	Pigh	0.211	-0.075	-0.050	0	0	0	0	0	0	NM_029988	phosphatidylinositol glycan anchor biosynthesis, class H (Pigh), mRNA.	Mme-M400013756	ILMN_1232225	0	0
329777	Pigk	-0.446	0.071	-0.151	0	0	0	0	0	0	NM_025662	phosphatidylinositol glycan anchor biosynthesis, class K (Pigk), transcript variant 1, mRNA.	Mme-M400018607	ILMN_3120797	0	0
327942	Pigl	0.011	-0.094	-0.026	0	0	0	0	0	0	NM_001039536	phosphatidylinositol glycan anchor biosynthesis, class L (Pigl), mRNA.	Mme-M300001271	ILMN_2591056	0	0
67556	Pigm	0.109	-0.066	-0.050	0	0	0	0	0	0	NM_026234	phosphatidylinositol glycan anchor biosynthesis, class M (Pigm), mRNA.	Mme-M200007302	ILMN_2762721	0	0
27392	Pign	-0.203	-0.164	0.032	0	0	0	0	0	0	NM_013784	phosphatidylinositol glycan anchor biosynthesis, class N (Pign), mRNA.	Mme-M200007926	ILMN_2883666	0	0
56703	Pigo	-0.185	0.081	-0.117	0	0	0	0	0	0	NM_020035	phosphatidylinositol glycan anchor biosynthesis, class O (Pigo), mRNA.	Mme-M200009451	ILMN_2997002	0	0
56176	Pigp	0.190	-0.260	0.052	0	0	0	0	0	0	NM_019543	phosphatidylinositol glycan anchor biosynthesis, class P (Pigp), mRNA.	Mme-M400009011	ILMN_2798255	0	0
14755	Pigq	-0.004	0.154	-0.030	0	0	0	0	0	0	NM_011822	phosphatidylinositol glycan anchor biosynthesis, class Q (Pigq), mRNA.	Mme-M400000850	ILMN_2877507	0	0
18703	Pigr	-0.039	-0.074	-0.028	0	0	0	0	0	0	NM_011082	polymeric immunoglobulin receptor (Pigr), mRNA.	Mme-M200001683	ILMN_1225605	0	0
276846	Pigs	-0.018	0.293	-0.114	0	0	0	0	0	0	NM_201406	phosphatidylinositol glycan anchor biosynthesis, class S (Pigs), mRNA.	Mme-M300013440	ILMN_2645262	0	0
78928	Pigt	-0.132	-0.196	-0.298	0	0	0	0	0	0	NM_133779	phosphatidylinositol glycan anchor biosynthesis, class T (Pigt), mRNA.	Mme-M200005896	ILMN_2465338	0	0
228812	Pigu	0.193	0.094	0.063	0	0	0	0	0	0	NM_001004721	phosphatidylinositol glycan anchor biosynthesis, class U (Pigu), mRNA.	Mme-M300018760	ILMN_2730074	0	0
230801	Pigv	-0.161	0.001	-0.021	0	0	0	0	0	0	NM_178698	phosphatidylinositol glycan anchor biosynthesis, class V (Pigv), mRNA.	Mme-M300014331	ILMN_1240495	0	0
70325	Pigw	-0.074	-0.075	-0.097	0	0	0	0	0	0	NM_001077636	phosphatidylinositol glycan anchor biosynthesis, class W (Pigw), transcript variant 2, mRNA.	Mme-M300016116	ILMN_2727404	0	0
72084	Pigx	0.097	-0.157	0.067	0	0	0	0	0	0	NM_001111025	phosphatidylinositol glycan anchor biosynthesis, class X (Pigx), transcript variant 2, mRNA.	Mme-M300003751	ILMN_2592656	0	0
66268	Pigyl	0.318	-0.143	0.003	0	0	0	0	0	0	NM_001082532	phosphatidylinositol glycan anchor biosynthesis, class Y-like (Pigyl), mRNA.	Mme-M200006233	ILMN_1255634	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
239827	Pigz	-0.096	-0.145	0.001	0	0	0	0	0	0	NM_172822	phosphatidylinositol glycan anchor biosynthesis, class Z (Pigz), mRNA.	Mme-M300016562	ILMN_2750725	0	0
68845	Pih1d1	0.089	-0.076	-0.048	0	0	0	0	0	0	NM_029406	PIH1 domain containing 1 (Pih1d1), mRNA.	Mme-M300000421	ILMN_2806124	0	0
72614	Pih1d2	0.283	-0.023	0.089	0	0	0	0	0	0	NM_028300	PIH1 domain containing 2 (Pih1d2), mRNA.	Mme-M300000031	ILMN_2714997	0	0
74708	Pih1d3	0.068	-0.062	-0.106	0	0	0	0	0	0	NM_029062	RIKEN cDNA 4930521A18 gene (4930521A18Rik), mRNA.	Mme-M400000888	ILMN_2645001	0	0
83490	Pik3ap1	-0.156	0.161	-0.065	0	0	0	0	0	0	NM_031376	phosphoinositide-3-kinase adaptor protein 1 (Pik3ap1), mRNA.	Mme-M300004432	ILMN_2590736	0	0
18704	Pik3c2a	0.068	-0.320	-0.042	0	0	0	0	0	0	NM_011083	phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide (Pik3c2a), mRNA.	Mme-M200001460	ILMN_1252098	0	0
240752	Pik3c2b	-0.165	-0.018	-0.106	0	0	0	0	0	0	XM_914845	PREDICTED: phosphoinositide-3-kinase, class 2, beta polypeptide, transcript variant 2 (Pik3c2b), mRNA.	Mme-M400000928	ILMN_2615978	0	0
18705	Pik3c2g	-0.314	-0.067	0.055	0	0	0	0	0	0	NM_207683	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide (Pik3c2g), transcript variant 1, mRNA.	Mme-M400001241	ILMN_3011887	0	0
225326	Pik3c3	-0.023	0.019	-0.090	0	0	0	0	0	0	NM_181414	phosphoinositide-3-kinase, class 3 (Pik3c3), mRNA.	Mme-M300008865	ILMN_2730478	0	0
18706	Pik3ca	0.077	-0.209	-0.031	0	0	0	0	0	0	NM_008839	phosphatidylinositol 3-kinase, catalytic, alpha polypeptide (Pik3ca), mRNA.	Mme-M200013803	ILMN_2825201	0	0
74769	Pik3cb	-0.361	-0.111	0.134	0	0	0	0	0	0	NM_029094	phosphatidylinositol 3-kinase, catalytic, beta polypeptide (Pik3cb), mRNA.	Mme-M200012975	ILMN_2680549	0	0
18707	Pik3cd	0.084	0.365	0.051	0	0	0	0	0	0	NM_001029837	phosphatidylinositol 3-kinase catalytic delta polypeptide (Pik3cd), transcript variant 2, mRNA.	Mme-M200009698	ILMN_2655112	0	0
30955	Pik3cg	-0.111	0.110	0.164	0	0	0	0	0	0	NM_020272	phosphoinositide-3-kinase, catalytic, gamma polypeptide (Pik3cg), mRNA.	Mme-M200008439	ILMN_1227086	0	0
216505	Pik3ip1	-0.113	0.195	-0.132	0	0	0	0	0	0	NM_178149	phosphoinositide-3-kinase interacting protein 1 (Pik3ip1), mRNA.	Mme-M200014574	ILMN_2769772	0	0
18708	Pik3r1	0.272	0.019	-0.232	0	0	0	0	0	0	NM_001024955	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha) (Pik3r1), transcript variant 1, mRNA	Mme-M400004498	ILMN_3114641	0	0
18709	Pik3r2	0.156	0.102	-0.037	0	0	0	0	0	0	NM_008841	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta) (Pik3r2), mRNA.	Mme-M200003200	ILMN_2916883	0	0
18710	Pik3r3	-0.083	0.015	-0.112	0	0	0	0	0	0	NM_181585	phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55) (Pik3r3), mRNA.	Mme-M300006237	ILMN_1226157	0	0
75669	Pik3r4	-0.103	0.054	0.050	0	0	0	0	0	0	NM_001081309	phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 4, p150 (Pik3r4), mRNA.	Mme-M400014432	ILMN_1231805	0	0
320207	Pik3r5	-0.100	0.054	-0.081	0	0	0	0	0	0	NM_177320	phosphoinositide-3-kinase, regulatory subunit 5, p101 (Pik3r5), mRNA.	Mme-M300002456	ILMN_1234494	0	0
104709	Pik3r6	0.061	0.217	-0.074	0	0	0	0	0	0	NM_001004435	phosphoinositide-3-kinase, regulatory subunit 6 (Pik3r6), transcript variant 2, mRNA.	Mme-M300017127	ILMN_3160361	0	0
18711	Pikfyve	0.148	-0.102	-0.009	0	0	0	0	0	0	NM_011086	phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III (Pip5k3), mRNA.	Mme-M200008057	ILMN_2431212	0	0
231805	Pilra	-0.006	0.059	0.040	0	0	0	0	0	0	NM_153510	paired immunoglobin-like type 2 receptor alpha (Pilra), mRNA.	Mme-M200004581	ILMN_2910768	0	0
170741	Pilrb1	-0.257	0.232	-0.024	0	0	0	0	0	0	NM_133209	paired immunoglobin-like type 2 receptor beta 1 (Pilrb1), mRNA.	Mme-M300010727	ILMN_1259100	0	0
18712	Pim1	0.213	-0.181	-0.052	0	0	0	0	0	0	NM_008842	proviral integration site 1 (Pim1), mRNA.	Mme-M200000877	ILMN_2932713	0	0
18715	Pim2	0.156	0.106	0.078	0	0	0	0	0	0	NM_138606	proviral integration site 2 (Pim2), mRNA.	Mme-M400001341	ILMN_2703566	0	0
223775	Pim3	0.195	-0.354	-0.167	0	0	0	0	0	0	NM_145478	proviral integration site 3 (Pim3), mRNA.	Mme-M200006785	ILMN_2717667	0	0
23988	Pin1	-0.094	0.046	-0.056	0	0	0	0	0	0	NM_023371	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 (Pin1), mRNA.	Mme-M200002608	ILMN_2927543	0	0
69713	Pin4	0.285	0.063	0.156	0	0	0	0	0	0	NM_027181	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) (Pin4), mRNA.	Mme-M400001644	ILMN_1242508	0	0
68943	Pink1	0.054	-0.093	-0.063	0	0	0	0	0	0	NM_026880	PTEN induced putative kinase 1 (Pink1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006265	ILMN_2616573	0	0
641361	Pinlyp	-0.091	-0.024	0.043	0	0	0	0	0	0	NM_001037143	RIKEN cDNA 2310033E01 gene (2310033E01Rik), mRNA.	Mme-M300001152	ILMN_1245238	0	0
72400	Pinx1	0.097	0.006	0.035	0	0	0	0	0	0	NM_028228	RIKEN cDNA 2610028A01 gene (2610028A01Rik), mRNA.	Mme-M200006579	ILMN_2678513	0	0
212167	Pion	0.102	0.049	0.046	0	0	0	0	0	0	NM_175437	RIKEN cDNA A530088I07 gene (A530088I07Rik), mRNA.	Mme-M300012447	ILMN_2593416	0	0
18716	Pip	-0.272	-0.082	0.072	0	0	0	0	0	0	NM_008843	prolactin induced protein (Pip), mRNA.	Mme-M200000483	ILMN_2621766	0	0
18718	Pip4k2a	-0.211	-0.114	0.115	0	0	0	0	0	0	NM_008845	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha (Pip4k2a), mRNA.	Mme-M300005259	ILMN_2717439	0	0
108083	Pip4k2b	-0.213	0.162	-0.083	0	0	0	0	0	0	NM_054051	phosphatidylinositol-5-phosphate 4-kinase, type II, beta (Pip4k2b), mRNA.	Mme-M300001688	ILMN_2623967	0	0
117150	Pip4k2c	0.193	-0.090	-0.017	0	0	0	0	0	0	NM_054097	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma (Pip4k2c), mRNA.	Mme-M200004475	ILMN_2696191	0	0
18720	Pip5k1a	0.151	0.082	0.053	0	0	0	0	0	0	NM_008847	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha (Pip5k1a), mRNA.	Mme-M300005950	ILMN_2609412	0	0
18719	Pip5k1b	0.244	-0.138	0.018	0	0	0	0	0	0	NM_008846	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta (Pip5k1b), mRNA.	Mme-M300004352	ILMN_2711562	0	0
18717	Pip5k1c	-0.082	-0.079	0.123	0	0	0	0	0	0	NM_008844	phosphatidylinositol-4-phosphate 5-kinase, type 1 gamma (Pip5k1c), mRNA.	Mme-M400001746	ILMN_2628951	0	0
227733	Pip5kl1	-0.065	0.012	0.033	0	0	0	0	0	0	NM_198191	phosphatidylinositol-4-phosphate 5-kinase-like 1 (Pip5kl1), mRNA.	Mme-M300016580	ILMN_1223829	0	0
19193	Pipox	0.122	0.093	0.072	0	0	0	0	0	0	NM_008952	pipecolic acid oxidase (Pipox), mRNA.	Mme-M200002719	ILMN_2689581	0	0
69656	Pir	0.106	-0.115	0.026	0	0	0	0	0	0	NM_027153	pirin (Pir), mRNA.	Mme-M200014201	ILMN_2640551	0	0
18727	Pira4	0.114	0.555	0.247	0	1	0	0	0	0	NM_011091	paired-Ig-like receptor A4 (Pira4), mRNA.	Mme-M400009549	ILMN_2920849	0	0
18729	Pira6	-0.145	0.608	0.111	0	1	0	0	1	0	NM_008848	paired-Ig-like receptor A6 (Pira6), transcript variant 1, mRNA.	Mme-M400010865	ILMN_3152792	1	0
18733	Pirb	0.184	-0.010	0.018	0	0	0	0	0	0	NM_011095	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 (Lilrb3), mRNA.	Mme-M300007213	ILMN_1260379	0	0
193003	Pirt	-0.103	-0.051	-0.245	0	0	0	0	0	0	NM_178656	RIKEN cDNA A530088H08 gene (A530088H08Rik), mRNA.	Mme-M300018892	ILMN_2601705	0	0
320951	Pisd	0.127	0.033	-0.162	0	0	0	0	0	0	NM_177298	phosphatidylserine decarboxylase (Pisd), mRNA.	Mme-M400000673	ILMN_2718356	0	0
66193	Pithd1	0.038	-0.252	-0.107	0	0	0	0	0	0	NM_025411	RIKEN cDNA 1110049F12 gene (1110049F12Rik), mRNA.	Mme-M300006223	ILMN_1255697	0	0
18738	Pitpna	-0.122	0.021	-0.085	0	0	0	0	0	0	NM_008850	phosphatidylinositol transfer protein, alpha (Pitpna), mRNA.	Mme-M200001202	ILMN_1221611	0	0
56305	Pitpnb	0.348	-0.215	-0.053	0	0	0	0	0	0	NM_019640	phosphatidylinositol transfer protein, beta (Pitpnb), mRNA.	Mme-M200012906	ILMN_2659467	0	0
71795	Pitpnc1	-0.123	0.125	0.053	0	0	0	0	0	0	NM_145823	phosphatidylinositol transfer protein, cytoplasmic 1 (Pitpnc1), mRNA.	Mme-M300012664	ILMN_2705846	0	0
19679	Pitpnm2	-0.168	0.086	-0.091	0	0	0	0	0	0	NM_011256	phosphatidylinositol transfer protein, membrane-associated 2 (Pitpnm2), mRNA.	Mme-M300006665	ILMN_2747507	0	0
327958	Pitpnm3	0.010	0.370	-0.103	0	0	0	0	0	0	NM_001081641	PITPNM family member 3 (Pitpnm3), transcript variant 2, mRNA.	Mme-M400009894	ILMN_3112334	0	0
69617	Pitrm1	0.031	-0.017	0.067	0	0	0	0	0	0	NM_145131	pitrilysin metallepetidase 1 (Pitrm1), mRNA.	Mme-M200013796	ILMN_2780167	0	0
18740	Pitx1	0.173	-0.054	-0.081	0	0	0	0	0	0	NM_011097	paired-like homeodomain transcription factor 1 (Pitx1), mRNA.	Mme-M200001984	ILMN_2656380	0	0
18741	Pitx2	0.696	0.434	-0.692	1	1	-1	0	0	-1	NM_001042504	paired-like homeodomain transcription factor 2 (Pitx2), transcript variant 1, mRNA.	Mme-M200000551	ILMN_1220244	0	1
18742	Pitx3	0.135	-0.034	0.049	0	0	0	0	0	0	NM_008852	paired-like homeodomain transcription factor 3 (Pitx3), mRNA.	Mme-M400000807	ILMN_2679243	0	0
57749	Piwil1	-0.011	-0.204	-0.076	0	0	0	0	0	0	NM_021311	piwi-like homolog 1 (Drosophila) (Piwil1), mRNA.	Mme-M400001165	ILMN_2781611	0	0
57746	Piwil2	-0.143	0.076	-0.008	0	0	0	0	0	0	NM_021308	piwi-like homolog 2 (Drosophila) (Piwil2), mRNA.	Mme-M200015693	ILMN_1232038	0	0
330890	Piwil4	-0.084	0.029	-0.069	0	0	0	0	0	0	NM_177905	piwi-like homolog 4 (Drosophila) (Piwil4), mRNA.	Mme-M400001945	ILMN_3000090	0	0
18744	Pja1	-0.069	-0.174	0.118	0	0	0	0	0	0	NM_008853	praja1, RING-H2 motif containing (Pja1), transcript variant 2, mRNA.	Mme-M300009333	ILMN_2614884	0	0
224938	Pja2	0.148	-0.246	0.285	0	0	0	0	0	0	NM_144859	praja 2, RING-H2 motif containing (Pja2), transcript variant 2, mRNA.	Mme-M200013713	ILMN_2695035	0	0
18763	Pkd1	0.082	0.317	-0.065	0	0	0	0	0	0	NM_013630	polycystic kidney disease 1 homolog (Pkd1), mRNA.	Mme-M200001137	ILMN_2656924	0	0
171395	Pkd1l1	0.064	-0.061	-0.001	0	0	0	0	0	0	XM_126005	PREDICTED: polycystic kidney disease 1 like 1 (Pkd1l1), mRNA.	Mme-M300017522	ILMN_2600546	0	0
76645	Pkd1l2	-0.248	0.086	0.088	0	0	0	0	0	0	NM_029686	polycystic kidney disease 1 like 2 (Pkd1l2), mRNA.	Mme-M300009337	ILMN_2692151	0	0
244646	Pkd1l3	-0.115	0.034	-0.062	0	0	0	0	0	0	NM_181544	polycystic kidney disease 1 like 3 (Pkd1l3), transcript variant 2, mRNA.	Mme-M300019610	ILMN_2736723	0	0
329064	Pkd2l1	-0.348	0.044	0.029	0	0	0	0	0	0	NM_181422	polycystic kidney disease 2-like 1 (Pkd2l1), mRNA.	Mme-M300011006	ILMN_2731331	0	0
53871	Pkd2l2	-0.038	0.033	-0.057	0	0	0	0	0	0	NM_016927	polycystic kidney disease 2-like 2 (Pkd2l2), mRNA.	Mme-M200013010	ILMN_2593159	0	0
106522	Pkdcc	0.197	-0.099	0.091	0	0	0	0	0	0	NM_134117	expressed sequence AW548124 (AW548124), mRNA.	Mme-M200004171	ILMN_1233376	0	0
18766	Pkdrej	0.028	-0.032	-0.041	0	0	0	0	0	0	NM_011105	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly, sea urchin homolog)-like (Pkdrej), m	Mme-M400011103	ILMN_2631478	0	0
241035	Pkhd1	0.014	-0.038	-0.021	0	0	0	0	0	0	NM_153179	polycystic kidney and hepatic disease 1 (Pkhd1), mRNA.	Mme-M300014822	ILMN_2671001	0	0
192190	Pkhd1l1	-0.094	0.085	-0.150	0	0	0	0	0	0	NM_138674	polycystic kidney and hepatic disease 1-like 1 (Pkhd1l1), mRNA.	Mme-M200011518	ILMN_1234267	0	0
18767	Pkia	0.262	0.313	0.000	0	0	0	0	0	0	NM_008862	protein kinase inhibitor, alpha (Pkia), mRNA.	Mme-M200001231	ILMN_2674122	0	0
18768	Pkib	-0.600	0.093	0.136	0	0	0	0	0	0	NM_001039052	protein kinase inhibitor beta, cAMP dependent, testis specific (Pkib), transcript variant 4, mRNA.	Mme-M400000341	ILMN_1217389	0	0
18769	Pkig	0.425	0.069	0.089	0	0	0	0	0	0	NM_001039391	protein kinase inhibitor, gamma (Pkig), transcript variant 3, mRNA.	Mme-M200002859	ILMN_3090731	0	0
18770	Pklr	-0.248	-0.100	0.056	0	0	0	0	0	0	NM_001099779	pyruvate kinase liver and red blood cell (Pklr), nuclear gene encoding mitochondrial protein, transcript variant 2	Mme-M400002484	ILMN_2704285	0	0
18746	Pkm	0.121	0.164	0.014	0	0	0	0	0	0	NM_011099	pyruvate kinase, muscle (Pkm2), mRNA.	Mme-M400001450	ILMN_2756041	0	0
268930	Pkmyt1	0.011	-0.139	-0.015	0	0	0	0	0	0	NM_023058	protein kinase, membrane associated tyrosine/threonine 1 (Pkmyt1), mRNA.	Mme-M200012062	ILMN_1251921	0	0
320795	Pkn1	-0.039	0.068	0.082	0	0	0	0	0	0	NM_177262	protein kinase N1 (Pkn1), mRNA.	Mme-M300000679	ILMN_2603383	0	0
109333	Pkn2	0.002	-0.064	-0.067	0	0	0	0	0	0	NM_178654	protein kinase N2 (Pkn2), mRNA.	Mme-M300000576	ILMN_2768805	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
263803	Pkn3	-0.069	0.065	-0.016	0	0	0	0	0	0	NM_153805	protein kinase N3 (Pkn3), mRNA.	Mme-M300005283	ILMN_1242571	0	0
18771	Pknox1	-0.128	-0.306	-0.052	0	0	0	0	0	0	NM_016670	Pbx/knotted 1 homeobox (Pknox1), mRNA.	Mme-M200012697	ILMN_2780759	0	0
208076	Pknox2	0.040	0.136	0.063	0	0	0	0	0	0	NM_148950	Pbx/knotted 1 homeobox 2 (Pknox2), transcript variant 1, mRNA.	Mme-M300010158	ILMN_2686348	0	0
18772	Pkp1	0.048	-0.017	-0.008	0	0	0	0	0	0	NM_019645	plakophilin 1 (Pkp1), mRNA.	Mme-M200001772	ILMN_2762109	0	0
67451	Pkp2	0.032	-0.222	-0.075	0	0	0	0	0	0	NM_026163	plakophilin 2 (Pkp2), mRNA.	Mme-M200000854	ILMN_2637122	0	0
56460	Pkp3	-0.075	0.058	-0.100	0	0	0	0	0	0	NM_019762	plakophilin 3 (Pkp3), mRNA.	Mme-M200006557	ILMN_2652890	0	0
227937	Pkp4	0.264	-0.123	-0.024	0	0	0	0	0	0	NM_175464	plakophilin 4 (Pkp4), transcript variant 2, mRNA.	Mme-M300005424	ILMN_1233340	0	0
85031	Pla1a	0.149	0.315	0.044	0	0	0	0	0	0	NM_134102	phospholipase A1 member A (Pla1a), mRNA.	Mme-M200004834	ILMN_2974343	0	0
26565	Pla2g10	0.087	0.061	0.063	0	0	0	0	0	0	NM_011987	phospholipase A2, group X (Pla2g10), mRNA.	Mme-M300003455	ILMN_2609753	0	0
66350	Pla2g12a	0.429	-0.168	-0.138	0	0	0	0	0	0	NM_183423	phospholipase A2, group XIIA (Pla2g12a), transcript variant 2, mRNA.	Mme-M200004417	ILMN_2636536	0	0
69836	Pla2g12b	-0.166	-0.008	0.020	0	0	0	0	0	0	NM_023530	phospholipase A2, group XIIB (Pla2g12b), mRNA.	Mme-M200006930	ILMN_2699466	0	0
192654	Pla2g15	0.136	0.103	0.010	0	0	0	0	0	0	NM_133792	lysophospholipase 3 (Lypla3), mRNA.	Mme-M200005128	ILMN_1257060	0	0
225845	Pla2g16	0.191	-0.024	-0.022	0	0	0	0	0	0	NM_139269	HRAS like suppressor 3 (Hrasls3), mRNA.	Mme-M300004399	ILMN_2741590	0	0
18778	Pla2g1b	0.058	0.049	0.002	0	0	0	0	0	0	NM_011107	phospholipase A2, group IB, pancreas (Pla2g1b), mRNA.	Mme-M200003829	ILMN_2845906	0	0
18780	Pla2g2a	0.068	0.017	0.125	0	0	0	0	0	0	NM_001082531	phospholipase A2, group IIA (platelets, synovial fluid) (Pla2g2a), mRNA.	Mme-M200001881	ILMN_2727163	0	0
18781	Pla2g2c	0.083	-0.046	0.045	0	0	0	0	0	0	NM_008868	phospholipase A2, group IIC (Pla2g2c), mRNA.	Mme-M200002205	ILMN_2729585	0	0
18782	Pla2g2d	-0.318	-0.142	-0.033	0	0	0	0	0	0	NM_011109	phospholipase A2, group IID (Pla2g2d), mRNA.	Mme-M200015320	ILMN_2700514	0	0
26970	Pla2g2e	-0.052	-0.037	0.026	0	0	0	0	0	0	NM_012044	phospholipase A2, group IIE (Pla2g2e), mRNA.	Mme-M300006263	ILMN_1212812	0	0
26971	Pla2g2f	-0.366	-0.084	0.026	0	0	0	0	0	0	NM_012045	phospholipase A2, group IIF (Pla2g2f), mRNA.	Mme-M200016037	ILMN_1230424	0	0
237625	Pla2g3	-0.241	0.067	0.051	0	0	0	0	0	0	NM_172791	phospholipase A2, group III (Pla2g3), mRNA.	Mme-M400001717	ILMN_1215042	0	0
18783	Pla2g4a	0.129	0.073	-0.003	0	0	0	0	0	0	NM_008869	phospholipase A2, group IVA (cytosolic, calcium-dependent) (Pla2g4a), mRNA.	Mme-M400005441	ILMN_2606027	0	0
211429	Pla2g4b	-0.137	0.071	0.048	0	0	0	0	0	0	NM_145378	phospholipase A2, group IVB (cytosolic) (Pla2g4b), mRNA.	Mme-M300008982	ILMN_1220325	0	0
78390	Pla2g4d	0.035	0.115	0.029	0	0	0	0	0	0	NM_001024137	phospholipase A2, group IVD (Pla2g4d), mRNA.	Mme-M200015511	ILMN_3156124	0	0
271844	Pla2g4f	0.006	0.092	-0.040	0	0	0	0	0	0	NM_001024145	phospholipase A2, group IVF (Pla2g4f), mRNA.	Mme-M300017838	ILMN_2727722	0	0
18784	Pla2g5	0.076	0.015	-0.067	0	0	0	0	0	0	NM_011110	phospholipase A2, group V (Pla2g5), transcript variant 2, mRNA.	Mme-M200009678	ILMN_2682574	0	0
53357	Pla2g6	0.098	-0.032	0.055	0	0	0	0	0	0	NM_016915	phospholipase A2, group VI (Pla2g6), mRNA.	Mme-M200009831	ILMN_2720429	0	0
27226	Pla2g7	-0.145	-0.260	0.020	0	0	0	0	0	0	NM_013737	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) (Pla2g7), mRNA.	Mme-M200002781	ILMN_2692696	0	0
18779	Pla2r1	-0.130	0.034	0.003	0	0	0	0	0	0	NM_008867	phospholipase A2 receptor 1 (Pla2r1), mRNA.	Mme-M200002144	ILMN_2771164	0	0
18786	Plaa	0.021	-0.141	0.101	0	0	0	0	0	0	NM_172695	phospholipase A2, activating protein (Plaa), mRNA.	Mme-M300006167	ILMN_1221702	0	0
56096	Plac1	-0.241	-0.068	0.115	0	0	0	0	0	0	NM_019538	placental specific protein 1 (Plac1), mRNA.	Mme-M400007328	ILMN_2835771	0	0
231507	Plac8	0.484	0.952	0.331	0	1	1	0	1	0	NM_139198	placenta-specific 8 (Plac8), mRNA.	Mme-M200007618	ILMN_2988143	1	0
69401	Plac8l1	-0.007	-0.030	0.076	0	0	0	0	0	0	XM_484719	PREDICTED: PLAC8-like 1 (Plac8l1), mRNA.	Mme-M200007668	ILMN_1215532	0	0
211623	Plac9a	0.014	-0.187	-0.025	0	0	0	0	0	0	NM_207229	placenta specific 9 (Plac9), mRNA.	Mme-M300014320	ILMN_2710159	0	0
56711	Plag1	0.163	-0.084	0.046	0	0	0	0	0	0	NM_019969	pleiomorphic adenoma gene 1 (Plag1), mRNA.	Mme-M200008638	ILMN_1244269	0	0
22634	Plagl1	0.425	0.028	0.047	0	0	0	0	0	0	NM_009538	pleiomorphic adenoma gene-like 1 (Plagl1), mRNA.	Mme-M400000336	ILMN_1252582	0	0
54711	Plagl2	-0.225	0.203	0.023	0	0	0	0	0	0	NM_018807	pleiomorphic adenoma gene-like 2 (Plagl2), mRNA.	Mme-M300016905	ILMN_1243885	0	0
18791	Plat	0.207	-0.084	0.207	0	0	0	0	0	0	NM_008872	plasminogen activator, tissue (Plat), mRNA.	Mme-M200009787	ILMN_2775937	0	0
18792	Plau	0.132	0.267	0.208	0	0	0	0	0	0	NM_008873	plasminogen activator, urokinase (Plau), mRNA.	Mme-M200001630	ILMN_2629582	0	0
18793	Plaur	-0.053	0.001	0.084	0	0	0	0	0	0	NM_011113	plasminogen activator, urokinase receptor (Plaur), mRNA.	Mme-M300017143	ILMN_2590884	0	0
665270	Plb1	0.100	0.023	0.100	0	0	0	0	0	0	NM_001081407	phospholipase B1 (Plb1), mRNA.	Mme-M200009122	ILMN_2537248	0	0
66857	Plbd1	0.406	0.049	-0.030	0	0	0	0	0	0	NM_025806	RIKEN cDNA 1100001H23 gene (1100001H23Rik), mRNA.	Mme-M200001281	ILMN_2688894	0	0
18795	Plcb1	0.165	-0.021	-0.044	0	0	0	0	0	0	NM_019677	phospholipase C, beta 1 (Plcb1), mRNA.	Mme-M400003792	ILMN_2754011	0	0
18796	Plcb2	-0.136	0.071	0.100	0	0	0	0	0	0	NM_177568	phospholipase C, beta 2 (Plcb2), mRNA.	Mme-M400002331	ILMN_2922899	0	0
18797	Plcb3	0.009	-0.161	-0.040	0	0	0	0	0	0	NM_008874	phospholipase C, beta 3 (Plcb3), mRNA.	Mme-M200002447	ILMN_2637953	0	0
18798	Plcb4	0.124	-0.099	-0.064	0	0	0	0	0	0	NM_013829	phospholipase C, beta 4 (Plcb4), mRNA.	Mme-M200009054	ILMN_2911248	0	0
18799	Plcd1	-0.003	0.094	0.016	0	0	0	0	0	0	NM_019676	phospholipase C, delta 1 (Plcd1), mRNA.	Mme-M200004739	ILMN_2649091	0	0
72469	Plcd3	0.125	0.088	-0.098	0	0	0	0	0	0	NM_152813	phospholipase C, delta 3 (Plcd3), mRNA.	Mme-M200014786	ILMN_2620145	0	0
18802	Plcd4	-0.077	0.222	0.135	0	0	0	0	0	0	NM_001081456	phospholipase C, delta 4 (Plcd4), transcript variant 1, mRNA.	Mme-M300004969	ILMN_2734652	0	0
74055	Plce1	0.042	-0.011	-0.053	0	0	0	0	0	0	NM_019588	phospholipase C, epsilon 1 (Plce1), mRNA.	Mme-M400000789	ILMN_1227553	0	0
18803	Plcg1	0.061	-0.108	-0.010	0	0	0	0	0	0	NM_021280	phospholipase C, gamma 1 (Plcg1), mRNA.	Mme-M300001540	ILMN_1227561	0	0
234779	Plcg2	0.102	0.027	0.098	0	0	0	0	0	0	NM_172285	phospholipase C, gamma 2 (Plcg2), mRNA.	Mme-M200004371	ILMN_2601833	0	0
269437	Plch1	0.015	0.013	0.004	0	0	0	0	0	0	NM_183191	phospholipase C, eta 1 (Plch1), mRNA.	Mme-M300010558	ILMN_2591569	0	0
269615	Plch2	-0.216	0.077	-0.015	0	0	0	0	0	0	NM_001113360	phospholipase C, eta 2 (Plch2), transcript variant 2, mRNA.	Mme-M300006452	ILMN_2925433	0	0
227120	Plcl1	0.160	0.018	-0.012	0	0	0	0	0	0	NM_001114663	phospholipase C-like 1 (Plcl1), mRNA.	Mme-M400002120	ILMN_2643486	0	0
224860	Plcl2	0.091	0.277	-0.038	0	0	0	0	0	0	NM_013880	phospholipase C-like 2 (Plcl2), mRNA.	Mme-M200005803	ILMN_1228330	0	0
403178	Plcxd1	-0.271	0.074	-0.143	0	0	0	0	0	0	NM_207279	phosphatidylinositol-specific phospholipase C, X domain containing 1 (Plcxd1), mRNA.	Mme-M300008781	ILMN_2758190	0	0
239318	Plcxd3	0.056	-0.029	0.110	0	0	0	0	0	0	NM_177355	phosphatidylinositol-specific phospholipase C, X domain containing 3 (Plcxd3), mRNA.	Mme-M300019910	ILMN_2511333	0	0
114875	Plcz1	0.090	0.085	-0.086	0	0	0	0	0	0	NM_054066	phospholipase C, zeta 1 (Plcz1), mRNA.	Mme-M200014699	ILMN_2686104	0	0
18805	Pld1	-0.095	0.102	0.152	0	0	0	0	0	0	NM_008875	phospholipase D1 (Pld1), mRNA.	Mme-M200013289	ILMN_2595408	0	0
18806	Pld2	0.130	0.182	-0.151	0	0	0	0	0	0	NM_008876	phospholipase D2 (Pld2), mRNA.	Mme-M200000958	ILMN_2683094	0	0
18807	Pld3	0.237	0.307	-0.168	0	0	0	0	0	0	NM_011116	phospholipase D family, member 3 (Pld3), mRNA.	Mme-M200002371	ILMN_2784950	0	0
104759	Pld4	0.173	0.496	0.186	0	1	0	0	0	0	NM_178911	phospholipase D family, member 4 (Pld4), mRNA.	Mme-M300002680	ILMN_1234223	0	0
319455	Pld5	-0.069	0.146	-0.044	0	0	0	0	0	0	NM_176916	phospholipase D family, member 5 (Pld5), mRNA.	Mme-M300019233	ILMN_1213763	0	0
194908	Pld6	-0.130	0.002	-0.013	0	0	0	0	0	0	NM_183139	RIKEN cDNA 4933433K01 gene (4933433K01Rik), mRNA.	Mme-M300014713	ILMN_2738208	0	0
18810	Plec	-0.157	-0.145	-0.183	0	0	0	0	0	0	NM_201392	plectin 1 (Plec1), transcript variant 9, mRNA.	Mme-M300003374	ILMN_2710419	0	0
56193	Plek	0.143	0.209	0.290	0	0	0	0	0	0	NM_019549	pleckstrin (Plek), mRNA.	Mme-M200016163	ILMN_1249498	0	0
27260	Plek2	-0.146	-0.043	0.023	0	0	0	0	0	0	NM_013738	pleckstrin 2 (Plek2), mRNA.	Mme-M200008511	ILMN_2772855	0	0
101476	Plekha1	0.036	0.130	0.157	0	0	0	0	0	0	NM_133942	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1 (Plekha1), mRNA	Mme-M200005086	ILMN_1243564	0	0
83436	Plekha2	0.112	0.215	0.116	0	0	0	0	0	0	NM_031257	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2 (Plekha2), mRNA	Mme-M200009569	ILMN_1214118	0	0
83435	Plekha3	-0.106	-0.082	0.121	0	0	0	0	0	0	NM_031256	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 3 (Plekha3), mRNA	Mme-M200013679	ILMN_1243812	0	0
69217	Plekha4	-0.242	-0.159	-0.093	0	0	0	0	0	0	NM_148927	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4 (Plekha4), mRNA	Mme-M300012661	ILMN_1243826	0	0
109135	Plekha5	-0.256	-0.188	0.289	0	0	0	0	0	0	NM_144920	pleckstrin homology domain containing, family A member 5 (Plekha5), mRNA.	Mme-M300007090	ILMN_1235584	0	0
240753	Plekha6	-0.045	0.100	-0.075	0	0	0	0	0	0	NM_182930	pleckstrin homology domain containing, family A member 6 (Plekha6), mRNA.	Mme-M300013347	ILMN_2870522	0	0
233765	Plekha7	-0.106	0.074	0.021	0	0	0	0	0	0	NM_172743	pleckstrin homology domain containing, family A member 7 (Plekha7), mRNA.	Mme-M400003061	ILMN_2623199	0	0
231999	Plekha8	0.132	-0.081	0.089	0	0	0	0	0	0	NM_001001335	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 (Plekha8), mRNA	Mme-M300000651	ILMN_2683119	0	0
27276	Plekhb1	0.168	0.079	-0.070	0	0	0	0	0	0	NM_013746	pleckstrin homology domain containing, family B (evectins) member 1 (Plekhb1), mRNA.	Mme-M200005312	ILMN_2933022	0	0
226971	Plekhb2	0.063	0.078	-0.137	0	0	0	0	0	0	NM_145516	pleckstrin homology domain containing, family B (evectins) member 2 (Plekhb2), mRNA.	Mme-M200006031	ILMN_2731769	0	0
217682	Plekhd1	0.210	-0.090	-0.128	0	0	0	0	0	0	XM_126991	PREDICTED: RIKEN cDNA 3830431G21 gene, transcript variant 1 (3830431G21Rik), mRNA.	Mme-M400019273	ILMN_2641486	0	0
72287	Plekhf1	-0.109	-0.068	-0.152	0	0	0	0	0	0	NM_024413	pleckstrin homology domain containing, family F (with FYVE domain) member 1 (Plekhf1), mRNA.	Mme-M200007018	ILMN_2993334	0	0
71801	Plekhf2	-0.021	-0.147	0.103	0	0	0	0	0	0	NM_175175	pleckstrin homology domain containing, family F (with FYVE domain) member 2 (Plekhf2), mRNA.	Mme-M200007549	ILMN_1237736	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
213783	Plekhg1	-0.101	-0.089	-0.056	0	0	0	0	0	0	NM_001033253	pleckstrin homology domain containing, family G (with RhoGef domain) member 1 (Plekhg1), mRNA.	Mme-M300012768	ILMN_1229061	0	0
101497	Plekhg2	0.303	-0.149	0.054	0	0	0	0	0	0	NM_001083912	pleckstrin homology domain containing, family G (with RhoGef domain) member 2 (Plekhg2), transcript variant 1	Mme-M300010996	ILMN_1246655	0	0
263406	Plekhg3	-0.032	0.179	-0.055	0	0	0	0	0	0	NM_153804	pleckstrin homology domain containing, family G (with RhoGef domain) member 3 (Plekhg3), mRNA.	Mme-M300017035	ILMN_2783500	0	0
102075	Plekhg4	-0.090	0.038	-0.115	0	0	0	0	0	0	NM_001081333	pleckstrin homology domain containing, family G (with RhoGef domain) member 4 (Plekhg4), mRNA.	Mme-M300001331	ILMN_2726005	0	0
269608	Plekhg5	-0.019	0.208	-0.095	0	0	0	0	0	0	NM_001004156	pleckstrin homology domain containing, family G (with RhoGef domain) member 5 (Plekhg5), mRNA.	Mme-M200007813	ILMN_2812215	0	0
213522	Plekhg6	-0.014	-0.156	-0.016	0	0	0	0	0	0	NM_198604	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 (Plekhg6), mRNA.	Mme-M300011378	ILMN_2756291	0	0
211945	Plekhh1	-0.069	-0.165	-0.012	0	0	0	0	0	0	XM_126961	PREDICTED: pleckstrin homology domain containing, family H (with MyTH4 domain) member 1, transcript varian	Mme-M300002567	ILMN_1238592	0	0
213556	Plekhh2	0.246	-0.044	0.114	0	0	0	0	0	0	NM_177606	pleckstrin homology domain containing, family H (with MyTH4 domain) member 2 (Plekhh2), mRNA.	Mme-M400012422	ILMN_2712631	0	0
78670	Plekhj1	0.030	0.166	0.029	0	0	0	0	0	0	NM_023900	pleckstrin homology domain containing, family J member 1 (Plekhj1), mRNA.	Mme-M400001776	ILMN_2641069	0	0
353047	Plekhm1	0.284	-0.213	0.035	0	0	0	0	0	0	NM_183034	pleckstrin homology domain containing, family M (with RUN domain) member 1 (Plekhm1), mRNA.	Mme-M300009237	ILMN_2737959	0	0
69582	Plekhm2	-0.089	-0.300	-0.181	0	0	0	0	0	0	XM_924800	PREDICTED: pleckstrin homology domain containing, family M (with RUN domain) member 2, transcript variant 1	Mme-M400001128	ILMN_1239535	0	0
241075	Plekhm3	-0.354	-0.143	-0.051	0	0	0	0	0	0	NM_001039493	pleckstrin homology domain containing, family M, member 3 (Plekhm3), mRNA.	Mme-M300021994	ILMN_2682863	0	0
231002	Plekhn1	-0.344	0.060	-0.045	0	0	0	0	0	0	NM_001008233	pleckstrin homology domain containing, family N member 1 (Plekhn1), mRNA.	Mme-M300013416	ILMN_2610731	0	0
67220	Plekho1	0.126	0.035	0.071	0	0	0	0	0	0	NM_023320	pleckstrin homology domain containing, family O member 1 (Plekho1), mRNA.	Mme-M200006499	ILMN_2689809	0	0
102595	Plekho2	0.278	0.241	0.074	0	0	0	0	0	0	NM_153119	pleckstrin homology domain containing, family O member 2 (Plekho2), mRNA.	Mme-M300021394	ILMN_2749448	0	0
226245	Plekhs1	-0.671	0.035	-0.160	-1	0	0	0	0	0	NM_172641	RIKEN cDNA 9930023K05 gene (9930023K05Rik), mRNA.	Mme-M200009871	ILMN_2669856	0	0
18815	Plg	-0.113	-0.071	0.066	0	0	0	0	0	0	NM_008877	plasminogen (Plg), mRNA.	Mme-M200000350	ILMN_2589024	0	0
67759	Plgrkt	0.251	0.201	0.106	0	0	0	0	0	0	NM_026362	RIKEN cDNA 5033414D02 gene (5033414D02Rik), mRNA.	Mme-M300001520	ILMN_2818396	0	0
103968	Plin1	0.254	-0.089	0.030	0	0	0	0	0	0	NM_001113471	perilipin (Plin), transcript variant 2, mRNA.	Mme-M300007291	ILMN_2687984	0	0
11520	Plin2	0.206	-0.357	0.130	0	0	0	0	0	0	NM_007408	adipose differentiation related protein (Adfp), mRNA.	Mme-M300006123	ILMN_1222246	0	0
66905	Plin3	0.087	-0.381	-0.122	0	0	0	0	0	0	NM_025836	mannose-6-phosphate receptor binding protein 1 (M6prbp1), mRNA.	Mme-M200008687	ILMN_1245528	0	0
57435	Plin4	-0.038	-0.321	-0.303	0	0	0	0	0	0	NM_020568	plasma membrane associated protein, S3-12 (S3-12), mRNA.	Mme-M300000338	ILMN_2588249	0	0
66968	Plin5	-0.292	-0.128	0.105	0	0	0	0	0	0	NM_025874	RIKEN cDNA 2310076L09 gene (2310076L09Rik), transcript variant 1, mRNA.	Mme-M200004537	ILMN_3158565	0	0
18817	Plk1	0.071	0.091	0.137	0	0	0	0	0	0	NM_011121	polo-like kinase 1 (Drosophila) (Plk1), mRNA.	Mme-M300003441	ILMN_1255053	0	0
20620	Plk2	0.064	0.181	0.063	0	0	0	0	0	0	NM_152804	polo-like kinase 2 (Drosophila) (Plk2), mRNA.	Mme-M200000136	ILMN_1260448	0	0
12795	Plk3	-0.154	-0.109	0.059	0	0	0	0	0	0	NM_013807	polo-like kinase 3 (Drosophila) (Plk3), mRNA.	Mme-M300006227	ILMN_2619330	0	0
20873	Plk4	0.189	0.030	0.051	0	0	0	0	0	0	NM_011495	polo-like kinase 4 (Drosophila) (Plk4), mRNA.	Mme-M400011143	ILMN_2600004	0	0
67801	Pllp	-0.014	-0.070	-0.083	0	0	0	0	0	0	NM_026385	plasma membrane proteolipid (Pllp), mRNA.	Mme-M200014044	ILMN_1249529	0	0
18821	Pln	0.451	-0.041	-0.036	0	0	0	0	0	0	NM_023129	phospholamban (Pln), mRNA.	Mme-M200007495	ILMN_2854828	0	0
18822	Plod1	0.332	-0.018	-0.147	0	0	0	0	0	0	NM_011122	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 (Plod1), mRNA.	Mme-M400000314	ILMN_2681289	0	0
26432	Plod2	0.414	0.177	-0.072	0	0	0	0	0	0	NM_011961	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2 (Plod2), mRNA.	Mme-M200015543	ILMN_2819929	0	0
26433	Plod3	0.086	-0.047	0.018	0	0	0	0	0	0	NM_011962	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 (Plod3), mRNA.	Mme-M200009211	ILMN_2723058	0	0
18823	Plp1	-0.357	-0.205	0.026	0	0	0	0	0	0	NM_011123	proteolipid protein (myelin) 1 (Plp1), mRNA.	Mme-M300007706	ILMN_1240381	0	0
18824	Plp2	0.166	0.221	-0.148	0	0	0	0	0	0	NM_019755	proteolipid protein 2 (Plp2), mRNA.	Mme-M400008905	ILMN_3001616	0	0
53317	Plrg1	0.020	0.041	-0.069	0	0	0	0	0	0	NM_016784	pleiotropic regulator 1, PRL1 homolog (Arabidopsis) (Plrg1), mRNA.	Mme-M200002489	ILMN_1244226	0	0
102866	Pls3	0.165	-0.256	0.142	0	0	0	0	0	0	NM_145629	plastin 3 (T-isoform) (Pls3), mRNA.	Mme-M200006162	ILMN_2764781	0	0
22038	Plscr1	0.084	0.304	0.181	0	0	0	0	0	0	NM_011636	phospholipid scramblase 1 (Plscr1), mRNA.	Mme-M400003290	ILMN_2911344	0	0
18828	Plscr2	0.258	-0.081	0.117	0	0	0	0	0	0	NM_008880	phospholipid scramblase 2 (Plscr2), mRNA.	Mme-M200002921	ILMN_2635895	0	0
70310	Plscr3	0.145	0.075	0.038	0	0	0	0	0	0	NM_023564	phospholipid scramblase 3 (Plscr3), mRNA.	Mme-M200013786	ILMN_2700524	0	0
235527	Plscr4	0.106	0.079	0.059	0	0	0	0	0	0	NM_178711	phospholipid scramblase 4 (Plscr4), mRNA.	Mme-M300008230	ILMN_2758717	0	0
18830	Pltp	0.175	0.121	0.054	0	0	0	0	0	0	NM_011125	phospholipid transfer protein (Pltp), mRNA.	Mme-M200002289	ILMN_2589401	0	0
84094	Plvap	0.526	0.174	-0.182	0	0	0	0	0	0	NM_032398	plasmalemma vesicle associated protein (Plvap), mRNA.	Mme-M200007489	ILMN_2984110	0	0
72324	Plxdc1	0.167	0.151	0.037	0	0	0	0	0	0	NM_028199	plexin domain containing 1 (Plxdc1), mRNA.	Mme-M300001582	ILMN_2827162	0	0
67448	Plxdc2	0.067	0.003	-0.017	0	0	0	0	0	0	NM_026162	plexin domain containing 2 (Plxdc2), mRNA.	Mme-M200015616	ILMN_2704306	0	0
18844	Plxna1	-0.252	-0.034	0.004	0	0	0	0	0	0	NM_008881	plexin A1 (Plxna1), mRNA.	Mme-M200001455	ILMN_2918155	0	0
18845	Plxna2	-0.059	-0.180	-0.133	0	0	0	0	0	0	NM_008882	plexin A2 (Plxna2), mRNA.	Mme-M400013835	ILMN_2701815	0	0
18846	Plxna3	0.046	0.026	-0.063	0	0	0	0	0	0	NM_008883	plexin A3 (Plxna3), mRNA.	Mme-M200000671	ILMN_2703546	0	0
243743	Plxna4	-0.186	-0.231	0.515	0	0	1	0	0	1	NM_175750	plexin A4 (Plxna4), mRNA.	Mme-M300006856	ILMN_2520582	1	0
235611	Plxnb1	0.101	-0.017	-0.128	0	0	0	0	0	0	NM_172775	plexin B1 (Plxnb1), mRNA.	Mme-M300004717	ILMN_1246710	0	0
140570	Plxnb2	0.269	0.093	-0.238	0	0	0	0	0	0	XM_912589	PREDICTED: plexin B2, transcript variant 13 (Plxnb2), mRNA.	Mme-M400014093	ILMN_2461098	0	0
140571	Plxnb3	-0.131	0.061	0.088	0	0	0	0	0	0	NM_019587	plexin B3 (Plxnb3), mRNA.	Mme-M200007217	ILMN_2759012	0	0
54712	Plxnc1	-0.337	-0.104	-0.147	0	0	0	0	0	0	NM_018797	plexin C1 (Plxnc1), mRNA.	Mme-M400011295	ILMN_2756855	0	0
67784	Plxnd1	-0.068	0.281	-0.097	0	0	0	0	0	0	NM_026376	plexin D1 (Plxnd1), mRNA.	Mme-M300007015	ILMN_1214608	0	0
58801	Pmaip1	-0.096	0.119	0.091	0	0	0	0	0	0	NM_021451	phorbol-12-myristate-13-acetate-induced protein 1 (Pmaip1), mRNA.	Mme-M200009479	ILMN_2724526	0	0
110312	Pmch	-0.239	0.090	0.024	0	0	0	0	0	0	NM_029971	pro-melanin-concentrating hormone (Pmch), mRNA.	Mme-M400001802	ILMN_2955329	0	0
20431	Pmel	-0.199	0.084	0.021	0	0	0	0	0	0	NM_021882	silver (Si), mRNA.	Mme-M300004597	ILMN_2627503	0	0
65112	Pmepa1	0.251	0.086	0.136	0	0	0	0	0	0	NM_022995	prostate transmembrane protein, androgen induced 1 (Pmepa1), mRNA.	Mme-M400011417	ILMN_1213989	0	0
67037	Pmf1	0.277	0.081	0.060	0	0	0	0	0	0	NM_025928	polyamine-modulated factor 1 (Pmf1), mRNA.	Mme-M200007882	ILMN_2711410	0	0
56523	Pmfbp1	0.100	0.130	0.021	0	0	0	0	0	0	NM_019938	polyamine modulated factor 1 binding protein 1 (Pmfbp1), mRNA.	Mme-M200016304	ILMN_2773224	0	0
74927	Pmis2	-0.102	-0.101	-0.017	0	0	0	0	0	0	XR_035442	PREDICTED: RIKEN cDNA 4930479M11 gene (4930479M11Rik), misc RNA.	Mme-M300020486	ILMN_2758596	0	0
18854	Pml	-0.088	0.158	0.111	0	0	0	0	0	0	NM_008884	promyelocytic leukemia (Pml), transcript variant 1, mRNA.	Mme-M200008084	ILMN_2732576	0	0
29858	Pmm1	0.018	0.176	0.107	0	0	0	0	0	0	NM_013872	phosphomannomutase 1 (Pmm1), mRNA.	Mme-M300003308	ILMN_1223710	0	0
54128	Pmm2	0.336	0.174	-0.113	0	0	0	0	0	0	NM_016881	phosphomannomutase 2 (Pmm2), mRNA.	Mme-M200002815	ILMN_2591935	0	0
18857	Pmp2	0.120	0.095	-0.163	0	0	0	0	0	0	NM_001030305	peripheral myelin protein 2 (Pmp2), mRNA.	Mme-M300005686	ILMN_1259888	0	0
18858	Pmp22	0.176	0.097	0.074	0	0	0	0	0	0	NM_008885	peripheral myelin protein (Pmp22), mRNA.	Mme-M200000454	ILMN_1228535	0	0
66865	Pmpca	0.132	0.024	-0.016	0	0	0	0	0	0	NM_173180	peptidase (mitochondrial processing) alpha (Pmpca), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005382	ILMN_1227913	0	0
73078	Pmpcb	0.128	-0.018	-0.036	0	0	0	0	0	0	NM_028431	peptidase (mitochondrial processing) beta (Pmpcb), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007652	ILMN_2640122	0	0
227099	Pms1	0.015	-0.016	-0.056	0	0	0	0	0	0	NM_153556	postmeiotic segregation increased 1 (S. cerevisiae) (Pms1), mRNA.	Mme-M300004933	ILMN_1250517	0	0
18861	Pms2	-0.245	0.088	-0.025	0	0	0	0	0	0	NM_008886	postmeiotic segregation increased 2 (S. cerevisiae) (Pms2), mRNA.	Mme-M300006770	ILMN_2707947	0	0
68603	Pmvk	0.179	-0.054	0.036	0	0	0	0	0	0	NM_026784	phosphomevalonate kinase (Pmvk), mRNA.	Mme-M300005862	ILMN_1227596	0	0
93843	Pnck	-0.117	0.412	-0.073	0	0	0	0	0	0	NM_012040	pregnancy upregulated non-ubiquitously expressed CaM kinase (Pnck), mRNA.	Mme-M200016002	ILMN_1244364	0	0
66625	Pnisr	-0.152	-0.045	0.215	0	0	0	0	0	0	XM_283936	PREDICTED: RIKEN cDNA 5730406M06 gene, transcript variant 1 (5730406M06Rik), mRNA.	Mme-M200008371	ILMN_2614644	0	0
56695	Pnkd	0.086	0.147	0.129	0	0	0	0	0	0	NM_019999	paroxysmal nonkinesiogenic dyskinesia (Pnkd), transcript variant 1, mRNA.	Mme-M300004973	ILMN_1221275	0	0
59047	Pnkp	0.112	-0.094	-0.083	0	0	0	0	0	0	NM_021549	polynucleotide kinase 3'- phosphatase (Pnkp), mRNA.	Mme-M200006530	ILMN_2696270	0	0
69060	Pnlip	-0.011	-0.038	0.090	0	0	0	0	0	0	NM_026925	pancreatic lipase (Pnlip), mRNA.	Mme-M300016931	ILMN_1224275	0	0
18946	Pnliprp1	-0.270	0.007	-0.029	0	0	0	0	0	0	NM_018874	pancreatic lipase related protein 1 (Pnliprp1), mRNA.	Mme-M200002992	ILMN_1225909	0	0
18947	Pnliprp2	-0.393	-0.052	0.088	0	0	0	0	0	0	NM_011128	pancreatic lipase-related protein 2 (Pnliprp2), mRNA.	Mme-M400000796	ILMN_2692167	0	0
70481	Pnma1	-0.086	0.085	0.188	0	0	0	0	0	0	NM_027438	paraneoplastic antigen MA1 (Pnma1), mRNA.	Mme-M400004789	ILMN_2670951	0	0
239157	Pnma2	0.002	-0.163	0.073	0	0	0	0	0	0	NM_175498	paraneoplastic antigen MA2 (Pnma2), mRNA.	Mme-M300017124	ILMN_2622190	0	0
245468	Pnma3	-0.036	0.150	-0.083	0	0	0	0	0	0	NM_153169	paraneoplastic antigen MA3 (Pnma3), mRNA.	Mme-M300017200	ILMN_2675677	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
385377	Pnma5	-0.017	-0.021	-0.022	0	0	0	0	0	0	NM_001100461	paraneoplastic antigen family 5 (Pnma5), mRNA.	Mme-M400003685	ILMN_2540141	0	0
71691	Pnmal1	0.000	0.223	-0.046	0	0	0	0	0	0	NM_001007569	PNMA-like 1 (Pnmal1), mRNA.	Mme-M300013033	ILMN_2601928	0	0
18948	Pnmt	-0.113	-0.142	0.048	0	0	0	0	0	0	NM_008890	phenylethanolamine-N-methyltransferase (Pnmt), mRNA.	Mme-M200014894	ILMN_1238777	0	0
18949	Pnn	0.170	0.054	0.014	0	0	0	0	0	0	NM_008891	pinin (Pnn), mRNA.	Mme-M300002502	ILMN_2773034	0	0
66249	Pno1	0.106	-0.113	0.097	0	0	0	0	0	0	NM_025443	partner of NOB1 homolog (S. cerevisiae) (Pno1), mRNA.	Mme-M200005719	ILMN_1233889	0	0
18155	Pnoc	-0.368	0.019	0.001	0	0	0	0	0	0	NM_010932	prepronociceptin (Pnoc), mRNA.	Mme-M200003428	ILMN_1255322	0	0
18950	Pnp	0.561	0.444	-0.061	0	1	0	0	0	0	NM_013632	purine-nucleoside phosphorylase 1 (Pnp1), mRNA.	Mme-M300002980	ILMN_1256020	0	0
433091	Pnpla1	-0.222	-0.008	0.006	0	0	0	0	0	0	NM_001034885	patatin-like phospholipase domain containing 1 (Pnpla1), mRNA.	Mme-M400002733	ILMN_2841024	0	0
66853	Pnpla2	0.364	-0.014	-0.239	0	0	0	0	0	0	NM_025802	patatin-like phospholipase domain containing 2 (Pnpla2), mRNA.	Mme-M300004668	ILMN_2687745	0	0
116939	Pnpla3	-0.084	-0.580	-0.015	0	-1	0	0	-1	0	NM_054088	patatin-like phospholipase domain containing 3 (Pnpla3), mRNA.	Mme-M400002527	ILMN_2777462	0	1
50767	Pnpla6	0.212	0.124	-0.064	0	0	0	0	0	0	NM_015801	patatin-like phospholipase domain containing 6 (Pnpla6), transcript variant 2, mRNA.	Mme-M200004564	ILMN_2855515	0	0
241274	Pnpla7	0.073	0.118	-0.069	0	0	0	0	0	0	NM_146251	patatin-like phospholipase domain containing 7 (Pnpla7), mRNA.	Mme-M300010552	ILMN_2695047	0	0
67452	Pnpla8	0.168	-0.245	0.089	0	0	0	0	0	0	NM_026164	patatin-like phospholipase domain containing 8 (Pnpla8), mRNA.	Mme-M300010293	ILMN_2751653	0	0
103711	Pnpo	0.083	-0.077	-0.154	0	0	0	0	0	0	NM_134021	pyridoxine 5'-phosphate oxidase (Pnpo), mRNA.	Mme-M200004817	ILMN_2713686	0	0
71701	Pnpt1	-0.280	0.069	0.044	0	0	0	0	0	0	NM_027869	polyribonucleotide nucleotidyltransferase 1 (Pnpt1), mRNA.	Mme-M200013797	ILMN_2703544	0	0
108767	Pnrc1	-0.185	0.020	0.068	0	0	0	0	0	0	NM_001033225	proline-rich nuclear receptor coactivator 1 (Pnrc1), mRNA.	Mme-M300012526	ILMN_1247669	0	0
52830	Pnrc2	0.374	0.124	0.095	0	0	0	0	0	0	NM_026383	proline-rich nuclear receptor coactivator 2 (Pnrc2), mRNA.	Mme-M200006355	ILMN_2861331	0	0
70235	Poc1a	0.540	-0.028	-0.010	0	0	0	0	0	0	NM_027354	WD repeat domain 51A (Wdr51a), mRNA.	Mme-M400000670	ILMN_2594165	0	0
382406	Poc1b	-0.273	-0.110	-0.195	0	0	0	0	0	0	NM_027740	WD repeat domain 51B (Wdr51b), mRNA.	Mme-M200014833	ILMN_2541823	0	0
67463	Poc5	0.054	-0.034	-0.051	0	0	0	0	0	0	NM_026173	RIKEN cDNA 1200014M14 gene (1200014M14Rik), mRNA.	Mme-M200015728	ILMN_2613750	0	0
242608	Podn	0.364	-0.179	-0.059	0	0	0	0	0	0	NM_172874	podocan (Podn), mRNA.	Mme-M300006185	ILMN_1229370	0	0
244550	Podnl1	0.062	0.317	0.041	0	0	0	0	0	0	NM_001013384	podocan-like 1 (Podnl1), mRNA.	Mme-M300001204	ILMN_2822934	0	0
27205	Podxl	0.323	-0.166	-0.038	0	0	0	0	0	0	NM_013723	podocalyxin-like (Podxl), mRNA.	Mme-M200016029	ILMN_2604494	0	0
319655	Podxl2	0.237	-0.054	0.004	0	0	0	0	0	0	NM_176973	podocalyxin-like 2 (Podxl2), mRNA.	Mme-M300008616	ILMN_2836312	0	0
69693	Pof1b	-0.149	-0.125	-0.007	0	0	0	0	0	0	NM_181579	premature ovarian failure 1B (Pof1b), mRNA.	Mme-M300009445	ILMN_1242912	0	0
140484	Pofut1	-0.096	-0.191	-0.090	0	0	0	0	0	0	NM_080463	protein O-fucosyltransferase 1 (Pofut1), transcript variant 1, mRNA.	Mme-M300016944	ILMN_2599360	0	0
80294	Pofut2	0.254	0.149	-0.029	0	0	0	0	0	0	NM_030262	protein O-fucosyltransferase 2 (Pofut2), mRNA.	Mme-M200012173	ILMN_2615547	0	0
224143	Poglut1	0.165	-0.049	0.028	0	0	0	0	0	0	NM_172380	KTEL (Lys-Tyr-Glu-Leu) containing 1 (Ktelc1), mRNA.	Mme-M400012219	ILMN_2665889	0	0
229584	Pogz	-0.159	0.113	-0.108	0	0	0	0	0	0	NM_172683	pogo transposable element with ZNF domain (Pogz), mRNA.	Mme-M300011837	ILMN_2857204	0	0
18968	Pola1	0.155	0.086	-0.038	0	0	0	0	0	0	NM_008892	polymerase (DNA directed), alpha 1 (Pola1), mRNA.	Mme-M200000734	ILMN_2761034	0	0
18969	Pola2	-0.073	0.021	-0.085	0	0	0	0	0	0	NM_008893	polymerase (DNA directed), alpha 2 (Pola2), mRNA.	Mme-M200000113	ILMN_2614304	0	0
18970	Polb	0.059	-0.006	-0.035	0	0	0	0	0	0	NM_011130	polymerase (DNA directed), beta (Polb), mRNA.	Mme-M300007762	ILMN_2789425	0	0
18971	Pold1	0.093	-0.098	-0.050	0	0	0	0	0	0	NM_011131	polymerase (DNA directed), delta 1, catalytic subunit (Pold1), mRNA.	Mme-M300011684	ILMN_2655577	0	0
18972	Pold2	0.235	0.064	-0.180	0	0	0	0	0	0	NM_008894	polymerase (DNA directed), delta 2, regulatory subunit (Pold2), mRNA.	Mme-M200007814	ILMN_2817892	0	0
67967	Pold3	0.328	0.154	0.050	0	0	0	0	0	0	NM_133692	polymerase (DNA-directed), delta 3, accessory subunit (Pold3), mRNA.	Mme-M300007383	ILMN_2720995	0	0
69745	Pold4	0.067	0.097	0.051	0	0	0	0	0	0	NM_027196	polymerase (DNA-directed), delta 4 (Pold4), mRNA.	Mme-M200004528	ILMN_2910596	0	0
67811	Poldip2	0.033	-0.034	-0.163	0	0	0	0	0	0	NM_026389	polymerase (DNA-directed), delta interacting protein 2 (Poldip2), mRNA.	Mme-M200012802	ILMN_2760263	0	0
73826	Poldip3	0.115	0.047	-0.081	0	0	0	0	0	0	NM_178627	polymerase (DNA-directed), delta interacting protein 3 (Poldip3), mRNA.	Mme-M200004686	ILMN_2694397	0	0
18973	Pole	-0.125	0.037	0.067	0	0	0	0	0	0	NM_011132	polymerase (DNA directed), epsilon (Pole), mRNA.	Mme-M200007701	ILMN_2598548	0	0
18974	Pole2	-0.005	-0.052	-0.094	0	0	0	0	0	0	NM_011133	polymerase (DNA directed), epsilon 2 (p59 subunit) (Pole2), mRNA.	Mme-M200002772	ILMN_2763371	0	0
59001	Pole3	-0.003	0.146	-0.072	0	0	0	0	0	0	NM_021498	polymerase (DNA directed), epsilon 3 (p17 subunit) (Pole3), mRNA.	Mme-M400011397	ILMN_2840296	0	0
66979	Pole4	-0.084	-0.128	0.040	0	0	0	0	0	0	NM_025882	polymerase (DNA-directed), epsilon 4 (p12 subunit) (Pole4), mRNA.	Mme-M200006464	ILMN_1236601	0	0
18975	Polg	-0.022	0.199	0.013	0	0	0	0	0	0	NM_017462	polymerase (DNA directed), gamma (Polg), mRNA.	Mme-M300012002	ILMN_2765733	0	0
50776	Polg2	-0.221	-0.182	0.121	0	0	0	0	0	0	NM_015810	polymerase (DNA directed), gamma 2, accessory subunit (Polg2), mRNA.	Mme-M200000304	ILMN_2896483	0	0
80905	Polh	-0.240	0.044	0.150	0	0	0	0	0	0	NM_030715	polymerase (DNA directed), eta (RAD 30 related) (Polh), mRNA.	Mme-M300003834	ILMN_1253779	0	0
26447	Poli	0.167	-0.039	-0.011	0	0	0	0	0	0	NM_011972	polymerase (DNA directed), iota (Poli), mRNA.	Mme-M200006423	ILMN_2614540	0	0
27015	Polk	0.081	-0.351	0.017	0	0	0	0	0	0	NM_012048	polymerase (DNA directed), kappa (Polk), mRNA.	Mme-M200016031	ILMN_1240630	0	0
56626	Poll	-0.019	-0.115	-0.127	0	0	0	0	0	0	NM_020032	polymerase (DNA directed), lambda (Poll), mRNA.	Mme-M200014536	ILMN_2696994	0	0
54125	Polm	0.082	-0.026	0.026	0	0	0	0	0	0	NM_017401	polymerase (DNA directed), mu (Polm), mRNA.	Mme-M200001287	ILMN_2621761	0	0
272158	Poln	-0.031	0.102	-0.039	0	0	0	0	0	0	NM_181857	DNA polymerase N (Poln), mRNA.	Mme-M300010820	ILMN_2786217	0	0
77782	Polq	-0.085	-0.044	-0.136	0	0	0	0	0	0	NM_029977	polymerase (DNA directed), theta (Polq), mRNA.	Mme-M300021893	ILMN_2590478	0	0
20019	Polr1a	-0.067	-0.202	0.204	0	0	0	0	0	0	NM_009088	RNA polymerase 1-4 (Rpo1-4), mRNA.	Mme-M300020293	ILMN_2620069	0	0
20017	Polr1b	-0.520	-0.009	0.048	0	0	0	0	0	0	NM_009086	RNA polymerase 1-2 (Rpo1-2), mRNA.	Mme-M400010889	ILMN_2723483	0	0
20016	Polr1c	0.198	0.085	-0.078	0	0	0	0	0	0	NM_009085	RNA polymerase 1-1 (Rpo1-1), mRNA.	Mme-M400010888	ILMN_1252845	0	0
64424	Polr1e	0.071	0.139	-0.160	0	0	0	0	0	0	NM_022811	polymerase (RNA) I polypeptide E (Polr1e), mRNA.	Mme-M200009020	ILMN_2709047	0	0
20020	Polr2a	0.251	-0.010	-0.016	0	0	0	0	0	0	NM_009089	polymerase (RNA) II (DNA directed) polypeptide A (Polr2a), mRNA.	Mme-M200003443	ILMN_1242400	0	0
231329	Polr2b	0.203	-0.001	-0.071	0	0	0	0	0	0	NM_153798	polymerase (RNA) II (DNA directed) polypeptide B (Polr2b), mRNA.	Mme-M300006574	ILMN_1245755	0	0
20021	Polr2c	0.175	-0.048	0.024	0	0	0	0	0	0	NM_009090	polymerase (RNA) II (DNA directed) polypeptide C (Polr2c), mRNA.	Mme-M300007897	ILMN_1226263	0	0
69241	Polr2d	0.301	0.209	0.066	0	0	0	0	0	0	NM_027101	polymerase (RNA) II (DNA directed) polypeptide D (Polr2d), transcript variant 2, mRNA.	Mme-M300004017	ILMN_2690306	0	0
66420	Polr2e	0.103	0.056	-0.217	0	0	0	0	0	0	NM_025554	polymerase (RNA) II (DNA directed) polypeptide E (Polr2e), mRNA.	Mme-M400000093	ILMN_1234905	0	0
69833	Polr2f	0.178	0.051	-0.098	0	0	0	0	0	0	NM_027231	polymerase (RNA) II (DNA directed) polypeptide F (Polr2f), mRNA.	Mme-M200004328	ILMN_1237750	0	0
67710	Polr2g	0.085	0.089	0.018	0	0	0	0	0	0	NM_026329	polymerase (RNA) II (DNA directed) polypeptide G (Polr2g), mRNA.	Mme-M200004293	ILMN_2680262	0	0
245841	Polr2h	0.185	0.038	0.116	0	0	0	0	0	0	NM_145632	polymerase (RNA) II (DNA directed) polypeptide H (Polr2h), mRNA.	Mme-M400000433	ILMN_2874443	0	0
69920	Polr2i	0.003	-0.014	0.004	0	0	0	0	0	0	NM_027259	polymerase (RNA) II (DNA directed) polypeptide I (Polr2i), mRNA.	Mme-M400000328	ILMN_2666438	0	0
20022	Polr2j	0.104	0.106	-0.126	0	0	0	0	0	0	NM_011293	polymerase (RNA) II (DNA directed) polypeptide J (Polr2j), mRNA.	Mme-M200002020	ILMN_1239525	0	0
17749	Polr2k	0.230	0.048	0.083	0	0	0	0	0	0	NM_023127	polymerase (RNA) II (DNA directed) polypeptide K (Polr2k), transcript variant 2, mRNA.	Mme-M400011425	ILMN_2736071	0	0
28015	Polr2m	0.164	-0.109	-0.065	0	0	0	0	0	0	NM_178602	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A (Grinl1a), mRNA.	Mme-M200004052	ILMN_1215367	0	0
218832	Polr3a	-0.121	-0.095	-0.096	0	0	0	0	0	0	NM_001081247	polymerase (RNA) III (DNA directed) polypeptide A (Polr3a), mRNA.	Mme-M300004559	ILMN_1255559	0	0
70428	Polr3b	-0.079	-0.040	-0.163	0	0	0	0	0	0	NM_027423	polymerase (RNA) III (DNA directed) polypeptide B (Polr3b), mRNA.	Mme-M200005419	ILMN_2732627	0	0
67065	Polr3d	-0.066	0.052	-0.134	0	0	0	0	0	0	NM_025945	polymerase (RNA) III (DNA directed) polypeptide D (Polr3d), mRNA.	Mme-M200003885	ILMN_1215692	0	0
26939	Polr3e	0.281	0.060	0.012	0	0	0	0	0	0	NM_025298	polymerase (RNA) III (DNA directed) polypeptide E (Polr3e), mRNA.	Mme-M200006980	ILMN_2863086	0	0
70408	Polr3f	0.047	-0.073	-0.069	0	0	0	0	0	0	NM_029763	polymerase (RNA) III (DNA directed) polypeptide F (Polr3f), mRNA.	Mme-M200012779	ILMN_2641857	0	0
67486	Polr3g	-0.078	0.039	-0.083	0	0	0	0	0	0	NM_001081176	polymerase (RNA) III (DNA directed) polypeptide G (Polr3g), mRNA.	Mme-M300010105	ILMN_2546104	0	0
78929	Polr3h	-0.256	0.069	-0.157	0	0	0	0	0	0	NM_030229	polymerase (RNA) III (DNA directed) polypeptide H (Polr3h), mRNA.	Mme-M200013351	ILMN_2654466	0	0
67005	Polr3k	0.205	0.175	-0.061	0	0	0	0	0	0	NM_025901	polymerase (RNA) III (DNA directed) polypeptide K (Polr3k), mRNA.	Mme-M200004364	ILMN_1215772	0	0
216151	Polrmt	0.220	-0.144	-0.020	0	0	0	0	0	0	NM_172551	polymerase (RNA) mitochondrial (DNA directed) (Polrmt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200008151	ILMN_2717777	0	0
107939	Pom121	-0.036	-0.097	-0.029	0	0	0	0	0	0	NM_148932	nuclear pore membrane protein 121 (Pom121), mRNA.	Mme-M400004416	ILMN_1232596	0	0
195236	Pom121l2	-0.127	0.048	-0.016	0	0	0	0	0	0	XR_035273	PREDICTED: gene model 24, (NCBI) (Gm24), misc RNA.	Mme-M400000265	ILMN_1257254	0	0
18976	Pomc	2.059	-1.547	-0.841	1	-1	-1	1	-1	-1	NM_008895	pro-opiomelanocortin-alpha (Pomc), mRNA.	Mme-M200004240	ILMN_2745802	1	2
68273	Pomgnt1	-0.009	-0.025	-0.077	0	0	0	0	0	0	NM_029786	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase (Pomgnt1), transcript variant 2, mRNA.	Mme-M300006238	ILMN_2722353	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
215494	Pomgnt2	0.031	0.122	-0.192	0	0	0	0	0	0	NM_153540	expressed sequence C85492 (C85492), mRNA.	Mme-M400012199	ILMN_3153225	0	0
74653	Pomk	-0.070	-0.085	-0.029	0	0	0	0	0	0	NM_029037	RIKEN cDNA 4930444A02 gene (4930444A02Rik), mRNA.	Mme-M200003524	ILMN_2631674	0	0
66537	Pomp	0.241	0.039	0.096	0	0	0	0	0	0	NM_025624	proteasome maturation protein (Pomp), mRNA.	Mme-M200000831	ILMN_2625352	0	0
99011	Pomt1	-0.075	0.031	-0.082	0	0	0	0	0	0	NM_145145	protein-O-mannosyltransferase 1 (Pomt1), mRNA.	Mme-M300012066	ILMN_2662545	0	0
217734	Pomt2	-0.189	-0.038	-0.059	0	0	0	0	0	0	NM_153415	protein-O-mannosyltransferase 2 (Pomt2), mRNA.	Mme-M400014868	ILMN_2755973	0	0
18979	Pon1	-0.410	-0.664	-0.035	0	-1	0	0	-1	0	NM_011134	paraoxonase 1 (Pon1), mRNA.	Mme-M200006841	ILMN_2676379	0	1
330260	Pon2	0.108	-0.116	0.099	0	0	0	0	0	0	NM_183308	paraoxonase 2 (Pon2), mRNA.	Mme-M300008376	ILMN_1233836	0	0
269823	Pon3	0.312	-0.095	0.112	0	0	0	0	0	0	NM_173006	paraoxonase 3 (Pon3), mRNA.	Mme-M300006845	ILMN_2659006	0	0
67724	Pop1	-0.464	0.019	-0.025	0	0	0	0	0	0	NM_026340	processing of precursor 1, ribonuclease P/MRP family, (S. cerevisiae) (Pop1), transcript variant 2, mRNA.	Mme-M300003214	ILMN_2738503	0	0
66161	Pop4	0.098	0.037	0.029	0	0	0	0	0	0	NM_025390	processing of precursor 4, ribonuclease P/MRP family, (S. cerevisiae) (Pop4), mRNA.	Mme-M200004345	ILMN_1238167	0	0
117109	Pop5	-0.075	-0.139	-0.143	0	0	0	0	0	0	NM_026398	processing of precursor 5, ribonuclease P/MRP family (S. cerevisiae) (Pop5), mRNA.	Mme-M400009373	ILMN_2973925	0	0
74097	Pop7	0.106	0.074	-0.148	0	0	0	0	0	0	NM_028753	processing of precursor 7, ribonuclease P family, (S. cerevisiae) (Pop7), mRNA.	Mme-M200013620	ILMN_2619362	0	0
64082	Popdc2	0.139	0.304	-0.039	0	0	0	0	0	0	NM_022318	popeye domain containing 2 (Popdc2), transcript variant 2, mRNA.	Mme-M200004718	ILMN_3128351	0	0
78977	Popdc3	-0.178	0.111	0.100	0	0	0	0	0	0	NM_024286	popeye domain containing 3 (Popdc3), mRNA.	Mme-M200002232	ILMN_2895568	0	0
18984	Por	0.154	-0.327	-0.273	0	0	0	0	0	0	NM_008898	P450 (cytochrome) oxidoreductase (Por), mRNA.	Mme-M200001478	ILMN_2791272	0	0
53627	Porcn	-0.218	0.273	0.118	0	0	0	0	0	0	NM_016913	porcupine homolog (Drosophila) (Porcn), transcript variant Mporc-a, mRNA.	Mme-M200008596	ILMN_2637090	0	0
50706	Postn	0.285	0.088	0.032	0	0	0	0	0	0	NM_015784	periostin, osteoblast specific factor (Postn), mRNA.	Mme-M400001027	ILMN_2766028	0	0
101185	Pot1a	0.043	0.006	0.029	0	0	0	0	0	0	NM_133931	protection of telomeres 1A (Pot1a), mRNA.	Mme-M200009046	ILMN_1259980	0	0
72836	Pot1b	0.012	0.104	0.032	0	0	0	0	0	0	NM_028370	protection of telomeres 1B (Pot1b), mRNA.	Mme-M300003956	ILMN_2676040	0	0
70952	Poteg	-0.346	-0.002	-0.074	0	0	0	0	0	0	NM_026256	RIKEN cDNA 4921537P18 gene (4921537P18Rik), transcript variant 1, mRNA.	Mme-M400011548	ILMN_1216238	0	0
18985	Pou2af1	-0.008	0.258	0.163	0	0	0	0	0	0	NM_011136	POU domain, class 2, associating factor 1 (Pou2af1), mRNA.	Mme-M200000320	ILMN_1228328	0	0
18986	Pou2f1	0.282	0.115	-0.140	0	0	0	0	0	0	NM_198932	POU domain, class 2, transcription factor 1 (Pou2f1), transcript variant 2, mRNA.	Mme-M400012592	ILMN_2663366	0	0
18987	Pou2f2	-0.515	0.193	0.095	0	0	0	0	0	0	NM_011138	POU domain, class 2, transcription factor 2 (Pou2f2), mRNA.	Mme-M300000968	ILMN_2687602	0	0
18988	Pou2f3	-0.079	-0.064	-0.032	0	0	0	0	0	0	NM_011139	POU domain, class 2, transcription factor 3 (Pou2f3), mRNA.	Mme-M400001425	ILMN_2736986	0	0
18991	Pou3f1	-0.062	-0.023	0.045	0	0	0	0	0	0	NM_011141	POU domain, class 3, transcription factor 1 (Pou3f1), mRNA.	Mme-M400011108	ILMN_1233172	0	0
18992	Pou3f2	-0.109	-0.075	-0.028	0	0	0	0	0	0	NM_008899	POU domain, class 3, transcription factor 2 (Pou3f2), mRNA.	Mme-M400004191	ILMN_1219223	0	0
18993	Pou3f3	0.155	0.098	-0.064	0	0	0	0	0	0	NM_008900	POU domain, class 3, transcription factor 3 (Pou3f3), mRNA.	Mme-M200014863	ILMN_1212804	0	0
18994	Pou3f4	0.003	-0.079	0.071	0	0	0	0	0	0	NM_008901	POU domain, class 3, transcription factor 4 (Pou3f4), mRNA.	Mme-M300009566	ILMN_3162068	0	0
18996	Pou4f1	-0.432	-0.234	0.108	0	0	0	0	0	0	NM_011143	POU domain, class 4, transcription factor 1 (Pou4f1), mRNA.	Mme-M300019159	ILMN_3109300	0	0
18997	Pou4f2	-0.171	0.076	-0.059	0	0	0	0	0	0	NM_138944	POU domain, class 4, transcription factor 2 (Pou4f2), mRNA.	Mme-M300007851	ILMN_1247447	0	0
18998	Pou4f3	-0.321	-0.043	0.079	0	0	0	0	0	0	NM_138945	POU domain, class 4, transcription factor 3 (Pou4f3), mRNA.	Mme-M300004175	ILMN_2651973	0	0
18999	Pou5f1	-0.152	0.066	-0.126	0	0	0	0	0	0	NM_013633	POU domain, class 5, transcription factor 1 (Pou5f1), mRNA.	Mme-M300004108	ILMN_1252910	0	0
75507	Pou5f2	-0.786	0.111	-0.040	-1	0	0	0	0	0	XM_889570	PREDICTED: RIKEN cDNA 1700013G10 gene (1700013G10Rik), mRNA.	Mme-M400014398	ILMN_1225084	0	0
19009	Pou6f1	-0.108	0.255	-0.055	0	0	0	0	0	0	NM_010127	POU domain, class 6, transcription factor 1 (Pou6f1), mRNA.	Mme-M200012164	ILMN_2589318	0	0
218030	Pou6f2	0.140	0.015	0.059	0	0	0	0	0	0	NM_175006	POU domain, class 6, transcription factor 2 (Pou6f2), mRNA.	Mme-M300001070	ILMN_1225661	0	0
110332	Pp2d1	-0.070	0.071	-0.074	0	0	0	0	0	0	NM_173449	RIKEN cDNA 4921523A10 gene (4921523A10Rik), mRNA.	Mme-M300015940	ILMN_2755841	0	0
67895	Ppa1	0.043	-0.054	0.050	0	0	0	0	0	0	NM_026438	pyrophosphatase (inorganic) 1 (Ppa1), mRNA.	Mme-M200006219	ILMN_3005441	0	0
74776	Ppa2	0.023	-0.197	0.149	0	0	0	0	0	0	NM_146141	pyrophosphatase (inorganic) 2 (Ppa2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300005901	ILMN_2817996	0	0
235036	Ppan	0.072	0.052	-0.070	0	0	0	0	0	0	NM_145610	peter pan homolog (Drosophila) (Ppan), mRNA.	Mme-M200001114	ILMN_2772174	0	0
19012	Ppap2a	0.324	0.047	0.029	0	0	0	0	0	0	NM_008903	phosphatidic acid phosphatase 2a (Ppap2a), transcript variant 2, mRNA.	Mme-M300002938	ILMN_1222991	0	0
67916	Ppap2b	0.246	-0.234	-0.147	0	0	0	0	0	0	NM_080555	phosphatidic acid phosphatase type 2B (Ppap2b), mRNA.	Mme-M200006335	ILMN_1247753	0	0
50784	Ppap2c	-0.028	-0.127	0.079	0	0	0	0	0	0	NM_015817	phosphatidic acid phosphatase type 2c (Ppap2c), mRNA.	Mme-M300002134	ILMN_3003631	0	0
381925	Ppapdc1a	0.235	-0.032	0.124	0	0	0	0	0	0	NM_001080963	phosphatidic acid phosphatase type 2 domain containing 1A (Ppapdc1a), mRNA.	Mme-M400016044	ILMN_2778722	0	0
71910	Ppapdc1b	0.380	0.132	-0.256	0	0	0	0	0	0	NM_028000	phosphatidic acid phosphatase type 2 domain containing 1 (Ppapdc1), mRNA.	Mme-M300007798	ILMN_2884610	0	0
74411	Ppapdc2	0.146	-0.205	0.161	0	0	0	0	0	0	NM_028922	phosphatidic acid phosphatase type 2 domain containing 2 (Ppapdc2), mRNA.	Mme-M200007239	ILMN_2427467	0	0
227721	Ppapdc3	0.112	-0.018	-0.071	0	0	0	0	0	0	NM_145521	phosphatidic acid phosphatase type 2 domain containing 3 (Ppapdc3), mRNA.	Mme-M200016103	ILMN_1215127	0	0
19013	Ppara	-0.347	-0.114	0.082	0	0	0	0	0	0	NM_001113418	peroxisome proliferator activated receptor alpha (Ppara), transcript variant 2, mRNA.	Mme-M300003246	ILMN_2927172	0	0
19015	Ppard	0.116	0.050	-0.151	0	0	0	0	0	0	NM_011145	peroxisome proliferator activator receptor delta (Ppard), mRNA.	Mme-M200000499	ILMN_1221142	0	0
19016	Pparg	-0.092	-0.120	-0.049	0	0	0	0	0	0	NM_011146	peroxisome proliferator activated receptor gamma (Pparg), mRNA.	Mme-M200001158	ILMN_1221060	0	0
19017	Ppargc1a	0.240	-0.163	0.664	0	0	1	0	0	1	NM_008904	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha (Ppargc1a), mRNA.	Mme-M200002972	ILMN_2710139	1	0
170826	Ppargc1b	0.050	0.037	-0.213	0	0	0	0	0	0	NM_133249	peroxisome proliferative activated receptor, gamma, coactivator 1 beta (Ppargc1b), mRNA.	Mme-M200007804	ILMN_2771709	0	0
231327	Ppat	0.240	-0.027	0.145	0	0	0	0	0	0	XM_973973	PREDICTED: phosphoribosyl pyrophosphate amidotransferase, transcript variant 5 (Ppat), mRNA.	Mme-M300006573	ILMN_1245424	0	0
57349	Ppbp	-0.394	0.483	0.302	0	1	0	0	0	0	NM_023785	pro-platelet basic protein (Ppbp), mRNA.	Mme-M200009958	ILMN_2908435	0	0
66812	Ppcdc	0.126	-0.108	0.098	0	0	0	0	0	0	NM_176831	phosphopantothenoylcysteine decarboxylase (Ppcdc), mRNA.	Mme-M200006264	ILMN_1254386	0	0
106564	Ppcs	0.155	0.022	0.131	0	0	0	0	0	0	NM_026494	phosphopantothenoylcysteine synthetase (Ppcs), mRNA.	Mme-M300006203	ILMN_2740494	0	0
66496	Ppdpf	-0.124	-0.083	-0.040	0	0	0	0	0	0	NM_025598	RIKEN cDNA 2700038C09 gene (2700038C09Rik), mRNA.	Mme-M200012112	ILMN_2894984	0	0
19023	Ppef2	0.105	0.019	-0.071	0	0	0	0	0	0	NM_011148	protein phosphatase, EF hand calcium-binding domain 2 (Ppef2), mRNA.	Mme-M200015809	ILMN_2760183	0	0
327814	Ppfia2	0.253	0.064	-0.036	0	0	0	0	0	0	NM_177373	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2 (Ppfia2),	Mme-M300010186	ILMN_2743205	0	0
76787	Ppfia3	-0.179	0.122	-0.084	0	0	0	0	0	0	NM_029741	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3 (Ppfia3),	Mme-M200005671	ILMN_3067259	0	0
67533	Ppfibp1	0.074	-0.190	0.157	0	0	0	0	0	0	NM_026221	PTPRF interacting protein, binding protein 1 (liprin beta 1) (Ppfibp1), mRNA.	Mme-M300001519	ILMN_1223496	0	0
19024	Ppfibp2	0.242	0.040	-0.085	0	0	0	0	0	0	NM_008905	protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2 (Ppfibp2), mRNA.	Mme-M200001069	ILMN_2760001	0	0
223828	Pphln1	-0.100	0.058	0.071	0	0	0	0	0	0	NM_001083114	periphilin 1 (Pphln1), transcript variant 3, mRNA.	Mme-M400011924	ILMN_2732301	0	0
268373	Ppia	0.020	0.126	0.139	0	0	0	0	0	0	NM_008907	peptidylprolyl isomerase A (Ppia), mRNA.	Mme-M400010868	ILMN_2527341	0	0
19035	Ppib	0.273	0.090	0.012	0	0	0	0	0	0	NM_011149	peptidylprolyl isomerase B (Ppib), mRNA.	Mme-M200000909	ILMN_1245092	0	0
19038	Ppic	0.469	0.231	0.085	0	0	0	0	0	0	NM_008908	peptidylprolyl isomerase C (Ppic), mRNA.	Mme-M200001825	ILMN_2700797	0	0
67738	Ppid	0.182	0.054	0.042	0	0	0	0	0	0	NM_026352	peptidylprolyl isomerase D (cyclophilin D) (Ppid), mRNA.	Mme-M300005792	ILMN_2750042	0	0
56031	Ppie	0.168	0.145	-0.053	0	0	0	0	0	0	NM_019489	peptidylprolyl isomerase E (cyclophilin E) (Ppie), mRNA.	Mme-M200008987	ILMN_2970691	0	0
105675	Ppif	0.170	-0.184	-0.002	0	0	0	0	0	0	NM_134084	peptidylprolyl isomerase F (cyclophilin F) (Ppif), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013692	ILMN_3002181	0	0
66101	Ppih	0.196	0.159	-0.051	0	0	0	0	0	0	NM_028677	peptidyl prolyl isomerase H (Ppih), transcript variant 1, mRNA.	Mme-M400007177	ILMN_2731206	0	0
68816	Ppil1	-0.173	0.158	0.012	0	0	0	0	0	0	NM_026845	peptidylprolyl isomerase (cyclophilin)-like 1 (Ppil1), mRNA.	Mme-M200012530	ILMN_2667550	0	0
66053	Ppil2	0.235	0.007	0.116	0	0	0	0	0	0	NM_144954	peptidylprolyl isomerase (cyclophilin)-like 2 (Ppil2), mRNA.	Mme-M300003493	ILMN_2771686	0	0
70225	Ppil3	0.123	0.101	-0.076	0	0	0	0	0	0	NM_027351	peptidylprolyl isomerase (cyclophilin)-like 3 (Ppil3), transcript variant 1, mRNA.	Mme-M200003850	ILMN_2697945	0	0
67418	Ppil4	-0.149	0.006	0.065	0	0	0	0	0	0	NM_026141	peptidylprolyl isomerase (cyclophilin)-like 4 (Ppil4), mRNA.	Mme-M200008140	ILMN_2692868	0	0
73075	Ppil6	0.176	-0.011	0.093	0	0	0	0	0	0	NM_028430	peptidylprolyl isomerase (cyclophilin)-like 6 (Ppil6), mRNA.	Mme-M200015120	ILMN_2481541	0	0
327655	Ppip5k1	-0.122	-0.234	-0.088	0	0	0	0	0	0	NM_178795	histidine acid phosphatase domain containing 2A (Hisppd2a), mRNA.	Mme-M300008817	ILMN_2686252	0	0
227399	Ppip5k2	0.139	-0.163	0.100	0	0	0	0	0	0	NM_173760	histidine acid phosphatase domain containing 1 (Hisppd1), mRNA.	Mme-M300012784	ILMN_1227412	0	0
19041	Ppl	-0.018	-0.170	-0.133	0	0	0	0	0	0	NM_008909	periplakin (Ppl), mRNA.	Mme-M200002901	ILMN_3155363	0	0
19042	Ppm1a	0.267	-0.228	-0.085	0	0	0	0	0	0	NM_008910	protein phosphatase 1A, magnesium dependent, alpha isoform (Ppm1a), mRNA.	Mme-M300002559	ILMN_2732308	0	0
19043	Ppm1b	0.261	0.048	-0.130	0	0	0	0	0	0	NM_011151	protein phosphatase 1B, magnesium dependent, beta isoform (Ppm1b), mRNA.	Mme-M300003924	ILMN_2729953	0	0
53892	Ppm1d	0.271	-0.129	-0.070	0	0	0	0	0	0	NM_016910	protein phosphatase 1D magnesium-dependent, delta isoform (Ppm1d), mRNA.	Mme-M300002232	ILMN_1214179	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
320472	Ppm1e	-0.017	0.079	-0.057	0	0	0	0	0	0	NM_177167	protein phosphatase 1E (PP2C domain containing) (Ppm1e), mRNA.	Mme-M300017348	ILMN_2784068	0	0
68606	Ppm1f	-0.132	0.158	0.070	0	0	0	0	0	0	NM_176833	protein phosphatase 1F (PP2C domain containing) (Ppm1f), mRNA.	Mme-M200010330	ILMN_2792756	0	0
14208	Ppm1g	0.180	0.024	-0.023	0	0	0	0	0	0	NM_008014	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform (Ppm1g), mRNA.	Mme-M200003318	ILMN_2643832	0	0
319468	Ppm1h	-0.110	-0.167	-0.094	0	0	0	0	0	0	NM_001110218	protein phosphatase 1H (PP2C domain containing) (Ppm1h), transcript variant 1, mRNA.	Mme-M300009447	ILMN_1214471	0	0
71887	Ppm1j	-0.102	-0.160	-0.043	0	0	0	0	0	0	NM_027982	protein phosphatase 1J (Ppm1j), mRNA.	Mme-M200007561	ILMN_2591134	0	0
243382	Ppm1k	0.206	-0.080	-0.096	0	0	0	0	0	0	NM_175523	protein phosphatase 1K (PP2C domain containing) (Ppm1k), mRNA.	Mme-M400013923	ILMN_2454710	0	0
242083	Ppm1l	-0.104	0.015	-0.242	0	0	0	0	0	0	NM_178726	protein phosphatase 1 (formerly 2C)-like (Ppm1l), mRNA.	Mme-M300005778	ILMN_2698757	0	0
67905	Ppm1m	-0.074	-0.006	-0.056	0	0	0	0	0	0	NM_198931	protein phosphatase 1M (Ppm1m), transcript variant 2, mRNA.	Mme-M200004554	ILMN_1251484	0	0
232941	Ppm1n	-0.072	0.007	0.032	0	0	0	0	0	0	NM_177691	expressed sequence C79127 (C79127), mRNA.	Mme-M300007192	ILMN_1241721	0	0
72590	Ppme1	0.074	0.025	-0.023	0	0	0	0	0	0	NM_028292	protein phosphatase methylesterase 1 (Ppme1), mRNA.	Mme-M200011832	ILMN_1234766	0	0
19044	Ppox	0.182	0.074	0.163	0	0	0	0	0	0	NM_008911	protoporphyrinogen oxidase (Ppox), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001920	ILMN_2826816	0	0
19045	Ppp1ca	0.125	0.100	-0.092	0	0	0	0	0	0	NM_031868	protein phosphatase 1, catalytic subunit, alpha isoform (Ppp1ca), mRNA.	Mme-M200000745	ILMN_2691613	0	0
19046	Ppp1cb	0.139	-0.052	0.157	0	0	0	0	0	0	NM_172707	protein phosphatase 1, catalytic subunit, beta isoform (Ppp1cb), mRNA.	Mme-M200001816	ILMN_2647628	0	0
19047	Ppp1cc	0.323	-0.265	0.124	0	0	0	0	0	0	NM_013636	protein phosphatase 1, catalytic subunit, gamma isoform (Ppp1cc), mRNA.	Mme-M400000088	ILMN_1229753	0	0
52040	Ppp1r10	-0.048	0.217	0.106	0	0	0	0	0	0	NM_175934	protein phosphatase 1, regulatory subunit 10 (Ppp1r10), mRNA.	Mme-M300012039	ILMN_2933399	0	0
76497	Ppp1r11	0.093	0.288	-0.105	0	0	0	0	0	0	NM_029632	protein phosphatase 1, regulatory (inhibitor) subunit 11 (Ppp1r11), mRNA.	Mme-M200014420	ILMN_2757489	0	0
17931	Ppp1r12a	0.152	0.072	-0.224	0	0	0	0	0	0	NM_027892	protein phosphatase 1, regulatory (inhibitor) subunit 12A (Ppp1r12a), mRNA.	Mme-M200009098	ILMN_2600911	0	0
329251	Ppp1r12b	0.069	-0.134	-0.068	0	0	0	0	0	0	NM_001081307	protein phosphatase 1, regulatory (inhibitor) subunit 12B (Ppp1r12b), mRNA.	Mme-M400000927	ILMN_1229556	0	0
232807	Ppp1r12c	0.058	-0.092	-0.168	0	0	0	0	0	0	NM_029834	protein phosphatase 1, regulatory (inhibitor) subunit 12C (Ppp1r12c), mRNA.	Mme-M300001777	ILMN_2628828	0	0
21981	Ppp1r13b	-0.279	0.099	-0.071	0	0	0	0	0	0	NM_011625	protein phosphatase 1, regulatory (inhibitor) subunit 13B (Ppp1r13b), mRNA.	Mme-M300002673	ILMN_2967455	0	0
333654	Ppp1r13l	-0.102	-0.071	-0.075	0	0	0	0	0	0	NM_001010836	protein phosphatase 1, regulatory (inhibitor) subunit 13 like (Ppp1r13l), mRNA.	Mme-M400002432	ILMN_1218682	0	0
68458	Ppp1r14a	-0.170	-0.240	0.088	0	0	0	0	0	0	NM_026731	protein phosphatase 1, regulatory (inhibitor) subunit 14A (Ppp1r14a), mRNA.	Mme-M300010783	ILMN_2659824	0	0
18938	Ppp1r14b	-0.016	-0.191	0.079	0	0	0	0	0	0	NM_008889	protein phosphatase 1, regulatory (inhibitor) subunit 14B (Ppp1r14b), mRNA.	Mme-M400005565	ILMN_1239834	0	0
76142	Ppp1r14c	0.162	-0.182	0.034	0	0	0	0	0	0	NM_133485	protein phosphatase 1, regulatory (inhibitor) subunit 14c (Ppp1r14c), mRNA.	Mme-M300012789	ILMN_2632509	0	0
72112	Ppp1r14d	-0.019	-0.024	-0.043	0	0	0	0	0	0	NM_028104	protein phosphatase 1, regulatory (inhibitor) subunit 14D (Ppp1r14d), mRNA.	Mme-M400011627	ILMN_1253015	0	0
17872	Ppp1r15a	0.305	0.250	-0.049	0	0	0	0	0	0	NM_008654	myeloid differentiation primary response gene 116 (Myd116), mRNA.	Mme-M200001567	ILMN_2722938	0	0
108954	Ppp1r15b	0.054	-0.164	0.001	0	0	0	0	0	0	NM_133819	protein phosphatase 1, regulatory (inhibitor) subunit 15b (Ppp1r15b), mRNA.	Mme-M400011818	ILMN_2705604	0	0
73062	Ppp1r16a	0.195	-0.003	0.014	0	0	0	0	0	0	NM_033371	protein phosphatase 1, regulatory (inhibitor) subunit 16A (Ppp1r16a), mRNA.	Mme-M200015890	ILMN_2664779	0	0
228852	Ppp1r16b	-0.239	-0.055	-0.030	0	0	0	0	0	0	NM_153089	protein phosphatase 1, regulatory (inhibitor) subunit 16B (Ppp1r16b), mRNA.	Mme-M200009602	ILMN_2758587	0	0
19051	Ppp1r17	-0.342	-0.020	0.039	0	0	0	0	0	0	NM_011153	G substrate (Gsbs), mRNA.	Mme-M200013878	ILMN_1253073	0	0
76448	Ppp1r18	-0.344	0.104	0.003	0	0	0	0	0	0	XM_001003622	PREDICTED: RIKEN cDNA 2310014H01 gene, transcript variant 3 (2310014H01Rik), mRNA.	Mme-M300009439	ILMN_1252831	0	0
58200	Ppp1r1a	0.055	-0.335	-0.089	0	0	0	0	0	0	NM_021391	protein phosphatase 1, regulatory (inhibitor) subunit 1A (Ppp1r1a), mRNA.	Mme-M200009474	ILMN_2616584	0	0
19049	Ppp1r1b	0.358	-0.113	-0.266	0	0	0	0	0	0	NM_144828	protein phosphatase 1, regulatory (inhibitor) subunit 1B (Ppp1r1b), mRNA.	Mme-M200006034	ILMN_2954824	0	0
75276	Ppp1r1c	-0.171	-0.072	0.123	0	0	0	0	0	0	NM_172420	protein phosphatase 1, regulatory (inhibitor) subunit 1C (Ppp1r1c), mRNA.	Mme-M300009479	ILMN_2634674	0	0
66849	Ppp1r2	0.044	-0.014	0.049	0	0	0	0	0	0	NM_025800	protein phosphatase 1, regulatory (inhibitor) subunit 2 (Ppp1r2), mRNA.	Mme-M400003337	ILMN_2759954	0	0
73825	Ppp1r21	0.050	-0.016	0.067	0	0	0	0	0	0	NM_028658	coiled-coil domain containing 128 (Ccdc128), mRNA.	Mme-M200004154	ILMN_2656543	0	0
241289	Ppp1r26	-0.017	-0.157	-0.173	0	0	0	0	0	0	NM_001005420	gene model 347, (NCBI) (Gm347), mRNA.	Mme-M300010103	ILMN_2527301	0	0
68701	Ppp1r27	-0.080	0.139	-0.250	0	0	0	0	0	0	NM_026814	dysferlin interacting protein 1 (Dysfip1), mRNA.	Mme-M200014526	ILMN_2613038	0	0
546723	Ppp1r2-ps3	-0.359	-0.073	0.045	0	0	0	0	0	0	NR_003650	predicted gene, EG546723 (EG546723) on chromosome 19.	Mme-M400006509	ILMN_2971370	0	0
76705	Ppp1r2-ps7	-0.193	0.005	0.079	0	0	0	0	0	0	NM_029707	RIKEN cDNA 1700023I07 gene (1700023I07Rik), mRNA.	Mme-M400003975	ILMN_2750201	0	0
67395	Ppp1r2-ps9	-0.192	0.017	0.010	0	0	0	0	0	0	NM_026128	RIKEN cDNA 4930403L05 gene (4930403L05Rik), mRNA.	Mme-M200014686	ILMN_2803156	0	0
67752	Ppp1r32	-0.136	0.007	-0.069	0	0	0	0	0	0	NM_133689	RIKEN cDNA 4930579J09 gene (4930579J09Rik), mRNA.	Mme-M400011812	ILMN_2915642	0	0
69871	Ppp1r35	0.121	-0.147	0.076	0	0	0	0	0	0	NM_027242	RIKEN cDNA 2010007H12 gene (2010007H12Rik), mRNA.	Mme-M200015976	ILMN_1227103	0	0
210762	Ppp1r36	-0.088	0.069	-0.079	0	0	0	0	0	0	XM_898829	PREDICTED: gene model 70, (NCBI), transcript variant 2 (Gm70), mRNA.	Mme-M300002530	ILMN_2526407	0	0
232947	Ppp1r37	0.299	0.184	0.115	0	0	0	0	0	0	NM_199149	cDNA sequence BC024868 (BC024868), mRNA.	Mme-M300012783	ILMN_2844153	0	0
244416	Ppp1r3b	0.051	-0.090	0.149	0	0	0	0	0	0	NM_177741	protein phosphatase 1, regulatory (inhibitor) subunit 3B (Ppp1r3b), mRNA.	Mme-M300017670	ILMN_2639972	0	0
53412	Ppp1r3c	0.391	0.149	0.191	0	0	0	0	0	0	NM_016854	protein phosphatase 1, regulatory (inhibitor) subunit 3C (Ppp1r3c), mRNA.	Mme-M300020770	ILMN_2667091	0	0
228966	Ppp1r3d	-0.167	-0.080	-0.065	0	0	0	0	0	0	NM_001085501	protein phosphatase 1, regulatory subunit 3D (Ppp1r3d), mRNA.	Mme-M400003629	ILMN_2527923	0	0
105651	Ppp1r3e	-0.100	-0.001	-0.004	0	0	0	0	0	0	XM_909597	PREDICTED: protein phosphatase 1, regulatory (inhibitor) subunit 3E (Ppp1r3e), mRNA.	Mme-M300012863	ILMN_1221587	0	0
54646	Ppp1r3f	0.097	-0.006	-0.125	0	0	0	0	0	0	NM_138605	protein phosphatase 1, regulatory (inhibitor) subunit 3F (Ppp1r3f), mRNA.	Mme-M200009550	ILMN_1255926	0	0
78185	Ppp1r3fos	-0.084	-0.043	0.032	0	0	0	0	0	0	XM_001473669	PREDICTED: RIKEN cDNA 4930524L23 gene (4930524L23Rik), mRNA.	Mme-M200011426	ILMN_2610591	0	0
69312	Ppp1r42	0.057	0.062	0.040	0	0	0	0	0	0	NM_145692	RIKEN cDNA 4930418G15 gene (4930418G15Rik), transcript variant 2, mRNA.	Mme-M400000870	ILMN_2630818	0	0
66385	Ppp1r7	-0.042	0.029	0.067	0	0	0	0	0	0	NM_023200	protein phosphatase 1, regulatory (inhibitor) subunit 7 (Ppp1r7), mRNA.	Mme-M400009782	ILMN_2699451	0	0
100336	Ppp1r8	0.317	0.235	-0.049	0	0	0	0	0	0	NM_146154	protein phosphatase 1, regulatory (inhibitor) subunit 8 (Ppp1r8), mRNA.	Mme-M300006353	ILMN_2760840	0	0
243725	Ppp1r9a	0.268	-0.105	-0.025	0	0	0	0	0	0	NM_181595	protein phosphatase 1, regulatory (inhibitor) subunit 9A (Ppp1r9a), mRNA.	Mme-M400009397	ILMN_2632092	0	0
217124	Ppp1r9b	0.144	0.259	0.058	0	0	0	0	0	0	NM_172261	protein phosphatase 1, regulatory subunit 9B (Ppp1r9b), mRNA.	Mme-M300011874	ILMN_2592507	0	0
19052	Ppp2ca	0.258	-0.066	-0.138	0	0	0	0	0	0	NM_019411	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (Ppp2ca), mRNA.	Mme-M200003050	ILMN_2611821	0	0
19053	Ppp2cb	0.008	-0.146	-0.038	0	0	0	0	0	0	NM_017374	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform (Ppp2cb), mRNA.	Mme-M200002546	ILMN_2678773	0	0
51792	Ppp2r1a	0.102	0.167	-0.020	0	0	0	0	0	0	NM_016891	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform (Ppp2r1a), mRNA.	Mme-M200000379	ILMN_2606243	0	0
73699	Ppp2r1b	0.094	-0.011	-0.098	0	0	0	0	0	0	NM_028614	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform (Ppp2r1b), transcript variant 2,	Mme-M300008051	ILMN_3090530	0	0
71978	Ppp2r2a	0.117	0.084	0.041	0	0	0	0	0	0	NM_028032	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform (Ppp2r2a), mRNA.	Mme-M400000535	ILMN_2742778	0	0
72930	Ppp2r2b	-0.057	0.195	0.139	0	0	0	0	0	0	NM_027531	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform (Ppp2r2b), transcript variant 1,	Mme-M400004178	ILMN_1229427	0	0
269643	Ppp2r2c	0.076	0.148	-0.016	0	0	0	0	0	0	NM_172994	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform (Ppp2r2c), mRNA.	Mme-M300006503	ILMN_2760691	0	0
52432	Ppp2r2d	-0.008	-0.082	0.156	0	0	0	0	0	0	NM_026391	protein phosphatase 2, regulatory subunit B, delta isoform (Ppp2r2d), mRNA.	Mme-M400002543	ILMN_1218424	0	0
235542	Ppp2r3a	-0.103	-0.128	-0.061	0	0	0	0	0	0	XM_001474396	PREDICTED: RIKEN cDNA 3222402P14 gene (3222402P14Rik), mRNA.	Mme-M300014235	ILMN_2743780	0	0
59032	Ppp2r3c	0.175	0.063	0.203	0	0	0	0	0	0	NM_021529	protein phosphatase 2, regulatory subunit B'', gamma (Ppp2r3c), mRNA.	Mme-M400007284	ILMN_2947369	0	0
19054	Ppp2r3d	0.156	0.045	-0.094	0	0	0	0	0	0	XM_001471965	PREDICTED: protein phosphatase 2 (formerly 2A), regulatory subunit B'', alpha (Ppp2r3a), mRNA.	Mme-M400004547	ILMN_2543121	0	0
110854	Ppp2r4	-0.137	0.083	0.105	0	0	0	0	0	0	NM_138748	protein phosphatase 2A, regulatory subunit B (PR 53) (Ppp2r4), mRNA.	Mme-M300012217	ILMN_2755399	0	0
226849	Ppp2r5a	0.195	0.004	-0.041	0	0	0	0	0	0	NM_144880	protein phosphatase 2, regulatory subunit B (B56), alpha isoform (Ppp2r5a), mRNA.	Mme-M200013070	ILMN_2746766	0	0
225849	Ppp2r5b	-0.103	0.052	-0.062	0	0	0	0	0	0	NM_198168	protein phosphatase 2, regulatory subunit B (B56), beta isoform (Ppp2r5b), mRNA.	Mme-M300004319	ILMN_2620573	0	0
26931	Ppp2r5c	-0.037	-0.278	-0.123	0	0	0	0	0	0	NM_012023	protein phosphatase 2, regulatory subunit B (B56), gamma isoform (Ppp2r5c), transcript variant 1, mRNA.	Mme-M300001616	ILMN_3121851	0	0
21770	Ppp2r5d	0.046	0.195	-0.118	0	0	0	0	0	0	NM_009358	protein phosphatase 2, regulatory subunit B (B56), delta isoform (Ppp2r5d), mRNA.	Mme-M200015919	ILMN_2766403	0	0
26932	Ppp2r5e	0.080	-0.195	-0.070	0	0	0	0	0	0	NM_012024	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform (Ppp2r5e), mRNA.	Mme-M300002526	ILMN_2623244	0	0
19055	Ppp3ca	-0.025	-0.224	0.040	0	0	0	0	0	0	NM_008913	protein phosphatase 3, catalytic subunit, alpha isoform (Ppp3ca), mRNA.	Mme-M300005973	ILMN_1227899	0	0
19056	Ppp3cb	0.085	0.057	0.012	0	0	0	0	0	0	NM_008914	protein phosphatase 3, catalytic subunit, beta isoform (Ppp3cb), mRNA.	Mme-M300002963	ILMN_2705003	0	0
19057	Ppp3cc	-0.186	-0.019	-0.050	0	0	0	0	0	0	NM_008915	protein phosphatase 3, catalytic subunit, gamma isoform (Ppp3cc), mRNA.	Mme-M300003086	ILMN_2617820	0	0
19059	Ppp3r2	0.095	-0.009	0.062	0	0	0	0	0	0	NM_001004025	protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type II) (Ppp3r2), mRNA.	Mme-M300006043	ILMN_2592092	0	0
56420	Ppp4c	0.256	0.008	0.053	0	0	0	0	0	0	NM_019674	protein phosphatase 4, catalytic subunit (Ppp4c), mRNA.	Mme-M200012509	ILMN_1237696	0	0
70351	Ppp4r1	0.094	-0.078	0.116	0	0	0	0	0	0	NM_001114131	protein phosphatase 4, regulatory subunit 1 (Ppp4r1), transcript variant 2, mRNA.	Mme-M200016013	ILMN_1240892	0	0
232314	Ppp4r2	0.202	-0.028	-0.085	0	0	0	0	0	0	NM_182939	protein phosphatase 4, regulatory subunit 2 (Ppp4r2), mRNA.	Mme-M400004017	ILMN_1219280	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
74521	Ppp4r4	-0.208	-0.201	0.196	0	0	0	0	0	0	NM_028980	RIKEN cDNA 8430415E04 gene (8430415E04Rik), mRNA.	Mme-M300002621	ILMN_1246165	0	0
19060	Ppp5c	0.258	0.174	-0.161	0	0	0	0	0	0	NM_011155	protein phosphatase 5, catalytic subunit (Ppp5c), mRNA.	Mme-M200001272	ILMN_2833772	0	0
67857	Ppp6c	0.142	0.158	0.032	0	0	0	0	0	0	NM_024209	protein phosphatase 6, catalytic subunit (Ppp6c), mRNA.	Mme-M200005113	ILMN_1242053	0	0
243819	Ppp6r1	0.093	0.179	0.065	0	0	0	0	0	0	NM_172894	SAPS domain family, member 1 (Saps1), mRNA.	Mme-M400004063	ILMN_2603693	0	0
71474	Ppp6r2	-0.032	-0.091	0.050	0	0	0	0	0	0	NM_026813	SAPS domain family, member 2 (Saps2), transcript variant 1, mRNA.	Mme-M200009770	ILMN_2647553	0	0
52036	Ppp6r3	0.196	-0.089	-0.109	0	0	0	0	0	0	NM_029456	SAPS domain family, member 3 (Saps3), mRNA.	Mme-M200012478	ILMN_2698353	0	0
226169	Pprc1	0.003	0.159	-0.075	0	0	0	0	0	0	NM_001081214	peroxisome proliferative activated receptor, gamma, coactivator-related 1 (Pprc1), mRNA.	Mme-M200000910	ILMN_2735118	0	0
19063	Ppt1	0.184	0.141	0.039	0	0	0	0	0	0	NM_008917	palmitoyl-protein thioesterase 1 (Ppt1), mRNA.	Mme-M200014001	ILMN_2736168	0	0
54397	Ppt2	0.086	0.092	-0.048	0	0	0	0	0	0	NM_019441	palmitoyl-protein thioesterase 2 (Ppt2), mRNA.	Mme-M200007510	ILMN_2616827	0	0
320717	Pptc7	-0.174	-0.159	-0.026	0	0	0	0	0	0	NM_177242	PTC7 protein phosphatase homolog (S. cerevisiae) (Pptc7), mRNA.	Mme-M300011640	ILMN_2688607	0	0
238831	Ppwd1	0.033	0.102	0.025	0	0	0	0	0	0	NM_172807	peptidylprolyl isomerase domain and WD repeat containing 1 (Ppwd1), mRNA.	Mme-M300002917	ILMN_2656803	0	0
19064	Ppy	-0.182	-0.016	0.019	0	0	0	0	0	0	NM_008918	pancreatic polypeptide (Ppy), mRNA.	Mme-M200000476	ILMN_2856567	0	0
54633	Pqbp1	0.290	0.165	-0.111	0	0	0	0	0	0	NM_019478	polyglutamine binding protein 1 (Pqbp1), mRNA.	Mme-M200003332	ILMN_2883110	0	0
66943	Pqlc1	-0.143	-0.009	-0.034	0	0	0	0	0	0	NM_025861	PQ loop repeat containing 1 (Pqlc1), mRNA.	Mme-M300009086	ILMN_2592266	0	0
212555	Pqlc2	-0.193	-0.135	0.031	0	0	0	0	0	0	NM_145384	PQ loop repeat containing 2 (Pqlc2), mRNA.	Mme-M300006258	ILMN_2725548	0	0
217430	Pqlc3	0.072	-0.062	-0.128	0	0	0	0	0	0	NM_172574	PQ loop repeat containing (Pqlc3), mRNA.	Mme-M300016615	ILMN_2730701	0	0
73327	Pradc1	0.433	-0.187	-0.173	0	0	0	0	0	0	NM_028505	RIKEN cDNA 1700040I03 gene (1700040I03Rik), mRNA.	Mme-M200005804	ILMN_2881024	0	0
54637	Praf2	-0.010	-0.002	-0.220	0	0	0	0	0	0	NM_138602	PRA1 domain family 2 (Praf2), mRNA.	Mme-M200009302	ILMN_2764759	0	0
378460	Pram1	-0.329	0.050	0.035	0	0	0	0	0	0	NM_001002842	PML-RAR alpha-regulated adaptor molecule 1 (Pram1), mRNA.	Mme-M300008414	ILMN_2661567	0	0
75829	Prame	-0.070	-0.036	0.016	0	0	0	0	0	0	XM_906050	PREDICTED: RIKEN cDNA 4930534P07 gene (4930534P07Rik), mRNA.	Mme-M200011056	ILMN_1215583	0	0
77632	Pramef12	-0.070	-0.012	0.042	0	0	0	0	0	0	NM_029948	PRAME family member 12 (Pramef12), mRNA.	Mme-M200007076	ILMN_2681676	0	0
626943	Pramef17	-0.141	0.040	-0.014	0	0	0	0	0	0	NM_001085540	novel protein similar to the preferentially expressed antigen in melanoma like (Pramel) family (LOC626943), mR	Mme-M400005041	ILMN_1227937	0	0
195555	Pramef6	-0.218	0.004	0.018	0	0	0	0	0	0	NM_001085414	novel protein similar to preferentially expressed antigen in melanoma-like family (Pramel) (LOC195555), mRNA.	Mme-M400005038	ILMN_1224066	0	0
242736	Pramef8	-0.003	-0.137	-0.049	0	0	0	0	0	0	NM_172877	RIKEN cDNA 4732496O08 gene (4732496O08Rik), mRNA.	Mme-M300017735	ILMN_1212648	0	0
83491	Pramel1	-0.056	-0.003	0.012	0	0	0	0	0	0	NM_031377	preferentially expressed antigen in melanoma-like 1 (Pramel1), mRNA.	Mme-M400002552	ILMN_1253686	0	0
384077	Pramel5	-0.231	0.119	-0.081	0	0	0	0	0	0	NM_001085418	preferentially expressed antigen in melanoma like 5 (Pramel5), mRNA.	Mme-M400001924	ILMN_1246776	0	0
347711	Pramel6	-0.049	-0.030	0.060	0	0	0	0	0	0	NM_178249	preferentially expressed antigen in melanoma like 6 (Pramel6), mRNA.	Mme-M300004804	ILMN_1228899	0	0
347712	Pramel7	-0.067	-0.004	-0.058	0	0	0	0	0	0	NM_178250	preferentially expressed antigen in melanoma like 7 (Pramel7), mRNA.	Mme-M300004806	ILMN_1256946	0	0
22264	Prap1	-0.068	0.009	-0.149	0	0	0	0	0	0	NM_009475	proline-rich acidic protein 1 (Prap1), mRNA.	Mme-M200009359	ILMN_1259344	0	0
381833	Prb1	-0.397	-0.055	-0.084	0	0	0	0	0	0	NM_198669	proline-rich protein BstNI subfamily 1 (Prb1), mRNA.	Mme-M400012587	ILMN_1249932	0	0
233406	Prc1	0.214	0.304	0.176	0	0	0	0	0	0	NM_145150	protein regulator of cytokinesis 1 (Prc1), mRNA.	Mme-M400009509	ILMN_2757125	0	0
72461	Prcp	0.097	0.159	-0.077	0	0	0	0	0	0	NM_028243	prolylcarboxypeptidase (angiotensinase C) (Prcp), mRNA.	Mme-M300013086	ILMN_2639155	0	0
12142	Prdm1	-0.036	0.035	0.027	0	0	0	0	0	0	NM_007548	PR domain containing 1, with ZNF domain (Prdm1), mRNA.	Mme-M300011372	ILMN_2744650	0	0
382066	Prdm10	-0.092	0.024	0.019	0	0	0	0	0	0	NM_001080817	PR domain containing 10 (Prdm10), mRNA.	Mme-M400002641	ILMN_3151396	0	0
230025	Prdm13	0.147	-0.049	-0.020	0	0	0	0	0	0	NM_001080771	PR domain containing 13 (Prdm13), mRNA.	Mme-M300012690	ILMN_1217474	0	0
383491	Prdm14	0.246	-0.051	0.088	0	0	0	0	0	0	NM_001081209	PR domain containing 14 (Prdm14), mRNA.	Mme-M400002622	ILMN_1222112	0	0
114604	Prdm15	0.262	-0.126	0.025	0	0	0	0	0	0	XM_907577	PREDICTED: PR domain containing 15 (Prdm15), mRNA.	Mme-M400016379	ILMN_1233271	0	0
70673	Prdm16	-0.316	-0.143	-0.210	0	0	0	0	0	0	NM_027504	PR domain containing 16 (Prdm16), mRNA.	Mme-M300012153	ILMN_2513922	0	0
110593	Prdm2	-0.092	0.017	-0.043	0	0	0	0	0	0	NM_001081355	PR domain containing 2, with ZNF domain (Prdm2), mRNA.	Mme-M400006004	ILMN_1241493	0	0
72843	Prdm4	-0.018	0.024	0.164	0	0	0	0	0	0	NM_181650	PR domain containing 4 (Prdm4), mRNA.	Mme-M300009965	ILMN_2524723	0	0
70779	Prdm5	0.190	-0.048	0.137	0	0	0	0	0	0	NM_027547	PR domain containing 5 (Prdm5), mRNA.	Mme-M200016373	ILMN_1223783	0	0
77630	Prdm8	-0.028	-0.019	-0.054	0	0	0	0	0	0	NM_029947	PR domain containing 8 (Prdm8), mRNA.	Mme-M300009926	ILMN_3133489	0	0
213389	Prdm9	-0.008	0.031	-0.002	0	0	0	0	0	0	XM_619431	PREDICTED: PR domain containing 9, transcript variant 1 (Prdm9), mRNA.	Mme-M400000217	ILMN_2765331	0	0
18477	Prdx1	0.191	-0.118	0.106	0	0	0	0	0	0	NM_011034	peroxiredoxin 1 (Prdx1), mRNA.	Mme-M300006233	ILMN_1216674	0	0
21672	Prdx2	0.113	0.113	-0.092	0	0	0	0	0	0	NM_011563	peroxiredoxin 2 (Prdx2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013971	ILMN_2773554	0	0
11757	Prdx3	0.431	-0.022	0.109	0	0	0	0	0	0	NM_007452	peroxiredoxin 3 (Prdx3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006674	ILMN_2732229	0	0
53381	Prdx4	0.370	0.028	-0.261	0	0	0	0	0	0	NM_016764	peroxiredoxin 4 (Prdx4), mRNA.	Mme-M200003736	ILMN_2717045	0	0
54683	Prdx5	0.110	0.065	-0.069	0	0	0	0	0	0	NM_012021	peroxiredoxin 5 (Prdx5), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400011188	ILMN_2637233	0	0
11758	Prdx6	0.291	-0.105	-0.027	0	0	0	0	0	0	NM_007453	peroxiredoxin 6 (Prdx6), mRNA.	Mme-M200002393	ILMN_2623947	0	0
320769	Prdx6b	-0.025	-0.039	-0.055	0	0	0	0	0	0	NM_177256	peroxiredoxin 6, related sequence 1 (Prdx6-rs1), mRNA.	Mme-M400003649	ILMN_1244647	0	0
50907	Preb	0.304	0.129	-0.280	0	0	0	0	0	0	NM_016703	prolactin regulatory element binding (Preb), mRNA.	Mme-M200003405	ILMN_2683620	0	0
66494	Prelid1	-0.016	0.072	-0.096	0	0	0	0	0	0	NM_025596	PRELI domain containing 1 (Prelid1), mRNA.	Mme-M200012095	ILMN_2710312	0	0
77619	Prelid2	0.044	-0.030	0.090	0	0	0	0	0	0	NM_029942	PRELI domain containing 2 (Prelid2), mRNA.	Mme-M400013131	ILMN_2615672	0	0
116847	Prelp	0.073	-0.114	0.097	0	0	0	0	0	0	NM_054077	proline arginine-rich end leucine-rich repeat (Prelp), mRNA.	Mme-M300013232	ILMN_2739760	0	0
19072	Prep	0.155	-0.144	-0.054	0	0	0	0	0	0	NM_011156	prolyl endopeptidase (Prep), mRNA.	Mme-M300001859	ILMN_2973020	0	0
277360	Prex1	-0.042	0.186	0.113	0	0	0	0	0	0	NM_177782	cDNA sequence BC067047 (BC067047), mRNA.	Mme-M300012265	ILMN_2705235	0	0
18646	Prf1	-0.087	0.345	0.164	0	0	0	0	0	0	NM_011073	perforin 1 (pore forming protein) (Prf1), mRNA.	Mme-M300010801	ILMN_1228333	0	0
19074	Prg2	-0.040	0.312	0.231	0	0	0	0	0	0	NM_008920	proteoglycan 2, bone marrow (Prg2), mRNA.	Mme-M200009412	ILMN_2613878	0	0
53856	Prg3	-0.026	0.056	0.003	0	0	0	0	0	0	NM_016914	proteoglycan 3 (Prg3), mRNA.	Mme-M200003788	ILMN_2715867	0	0
96875	Prg4	-0.069	-0.730	0.213	0	-1	0	0	-1	0	NM_001110146	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein) (Prg4), transcript variant 2,	Mme-M200013230	ILMN_2668333	0	1
19131	Prh1	-0.253	-0.017	-0.101	0	0	0	0	0	0	NM_011174	proline rich protein HaeIII subfamily 1 (Prh1), mRNA.	Mme-M400011111	ILMN_2649373	0	0
106042	Prickle1	0.316	0.114	-0.137	0	0	0	0	0	0	NM_001033217	prickle like 1 (Drosophila) (Prickle1), mRNA.	Mme-M400012849	ILMN_1224069	0	0
54630	Prickle3	0.182	-0.324	0.101	0	0	0	0	0	0	NM_175097	prickle homolog 3 (Drosophila) (Prickle3), mRNA.	Mme-M300007577	ILMN_2739398	0	0
381104	Prickle4	-0.598	-0.002	0.063	0	0	0	0	0	0	XM_355019	PREDICTED: gene model 939, (NCBI) (Gm939), mRNA.	Mme-M400001553	ILMN_1219219	0	0
19075	Prim1	0.165	0.036	0.073	0	0	0	0	0	0	NM_008921	DNA primase, p49 subunit (Prim1), mRNA.	Mme-M200001105	ILMN_1241140	0	0
19076	Prim2	0.210	0.105	0.008	0	0	0	0	0	0	NM_008922	DNA primase, p58 subunit (Prim2), mRNA.	Mme-M300004953	ILMN_2982969	0	0
170952	Prima1	-0.276	0.125	-0.133	0	0	0	0	0	0	NM_133364	proline rich membrane anchor 1 (Prima1), mRNA.	Mme-M200013434	ILMN_1234415	0	0
408022	Primpol	0.008	-0.162	0.115	0	0	0	0	0	0	NM_001001184	coiled-coil domain containing 111 (Ccdc111), mRNA.	Mme-M300011432	ILMN_1242777	0	0
105787	Prkaa1	-0.190	-0.035	0.005	0	0	0	0	0	0	NM_001013367	protein kinase, AMP-activated, alpha 1 catalytic subunit (Prkaa1), mRNA.	Mme-M400007176	ILMN_1233439	0	0
108079	Prkaa2	0.024	-0.023	0.126	0	0	0	0	0	0	NM_178143	protein kinase, AMP-activated, alpha 2 catalytic subunit (Prkaa2), mRNA.	Mme-M300006130	ILMN_2803138	0	0
19079	Prkab1	0.136	0.031	-0.063	0	0	0	0	0	0	NM_031869	protein kinase, AMP-activated, beta 1 non-catalytic subunit (Prkab1), mRNA.	Mme-M200012969	ILMN_2653081	0	0
108097	Prkab2	-0.243	-0.044	0.037	0	0	0	0	0	0	NM_182997	protein kinase, AMP-activated, beta 2 non-catalytic subunit (Prkab2), mRNA.	Mme-M300011418	ILMN_1215061	0	0
18747	Prkaca	-0.022	0.147	-0.063	0	0	0	0	0	0	NM_008854	protein kinase, cAMP dependent, catalytic, alpha (Prkaca), mRNA.	Mme-M200003732	ILMN_2833378	0	0
18749	Prkacb	-0.187	0.028	-0.153	0	0	0	0	0	0	NM_011100	protein kinase, cAMP dependent, catalytic, beta (Prkacb), mRNA.	Mme-M200003462	ILMN_1217408	0	0
19082	Prkag1	0.018	-0.061	-0.203	0	0	0	0	0	0	NM_016781	protein kinase, AMP-activated, gamma 1 non-catalytic subunit (Prkag1), mRNA.	Mme-M400011260	ILMN_2771396	0	0
108099	Prkag2	-0.198	-0.037	0.088	0	0	0	0	0	0	NM_145401	protein kinase, AMP-activated, gamma 2 non-catalytic subunit (Prkag2), mRNA.	Mme-M200007391	ILMN_3161626	0	0
241113	Prkag3	-0.170	0.117	0.076	0	0	0	0	0	0	NM_153744	protein kinase, AMP-activated, gamma 3 non-catatlytic subunit (Prkag3), transcript variant 1, mRNA.	Mme-M400000132	ILMN_2702917	0	0
19084	Prkar1a	0.095	-0.040	0.008	0	0	0	0	0	0	NM_021880	protein kinase, cAMP dependent regulatory, type I, alpha (Prkar1a), mRNA.	Mme-M300002276	ILMN_1235481	0	0
19085	Prkar1b	-0.141	0.078	0.129	0	0	0	0	0	0	NM_008923	protein kinase, cAMP dependent regulatory, type I beta (Prkar1b), mRNA.	Mme-M400000859	ILMN_1235354	0	0
19087	Prkar2a	-0.227	-0.102	-0.043	0	0	0	0	0	0	NM_008924	protein kinase, cAMP dependent regulatory, type II alpha (Prkar2a), mRNA.	Mme-M400009649	ILMN_2760353	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19088	Prkar2b	-0.350	-0.193	-0.052	0	0	0	0	0	0	NM_011158	protein kinase, cAMP dependent regulatory, type II beta (Prkar2b), mRNA.	Mme-M300000361	ILMN_1253819	0	0
18750	Prkca	-0.092	-0.237	-0.127	0	0	0	0	0	0	NM_011101	protein kinase C, alpha (Prkca), mRNA.	Mme-M300021616	ILMN_1256967	0	0
18751	Prkcb	0.468	0.179	0.173	0	0	0	0	0	0	NM_008855	protein kinase C, beta 1 (Prkcb1), mRNA.	Mme-M400015120	ILMN_1229458	0	0
18753	Prkcd	-0.103	0.017	-0.043	0	0	0	0	0	0	NM_011103	protein kinase C, delta (Prkcd), mRNA.	Mme-M200000875	ILMN_1245750	0	0
109042	Prkcdbp	0.170	-0.059	-0.158	0	0	0	0	0	0	NM_028444	protein kinase C, delta binding protein (Prkcdbp), mRNA.	Mme-M300010712	ILMN_1243602	0	0
18754	Prkce	0.202	-0.063	0.100	0	0	0	0	0	0	NM_011104	protein kinase C, epsilon (Prkce), mRNA.	Mme-M200003128	ILMN_2993204	0	0
18752	Prkcg	0.430	0.171	-0.011	0	0	0	0	0	0	NM_011102	protein kinase C, gamma (Prkcc), mRNA.	Mme-M400004409	ILMN_2598430	0	0
18755	Prkch	0.203	0.171	0.010	0	0	0	0	0	0	NM_008856	protein kinase C, eta (Prkch), mRNA.	Mme-M200002660	ILMN_1239238	0	0
18759	Prkci	0.098	0.059	0.025	0	0	0	0	0	0	NM_008857	protein kinase C, iota (Prkci), mRNA.	Mme-M200004699	ILMN_2649726	0	0
18761	Prkcq	0.031	0.129	-0.007	0	0	0	0	0	0	NM_008859	protein kinase C, theta (Prkcq), mRNA.	Mme-M200001110	ILMN_2667829	0	0
19089	Prkcsh	0.258	0.037	-0.066	0	0	0	0	0	0	NM_008925	protein kinase C substrate 80K-H (Prkcsh), mRNA.	Mme-M200013307	ILMN_1233076	0	0
18762	Prkcz	-0.176	0.169	-0.109	0	0	0	0	0	0	NM_001039079	protein kinase C, zeta (Prkcz), transcript variant 2, mRNA.	Mme-M200006070	ILMN_3079645	0	0
18760	Prkd1	-0.016	-0.063	-0.055	0	0	0	0	0	0	NM_008858	protein kinase D1 (Prkd1), mRNA.	Mme-M200000361	ILMN_2749503	0	0
101540	Prkd2	0.371	0.162	0.018	0	0	0	0	0	0	NM_178900	protein kinase D2 (Prkd2), mRNA.	Mme-M300013046	ILMN_2870320	0	0
75292	Prkd3	0.366	0.142	-0.119	0	0	0	0	0	0	NM_029239	protein kinase D3 (Prkd3), mRNA.	Mme-M400000717	ILMN_1221007	0	0
19090	Prkdc	-0.084	-0.165	-0.056	0	0	0	0	0	0	NM_011159	protein kinase, DNA activated, catalytic polypeptide (Prkdc), mRNA.	Mme-M200000025	ILMN_2743517	0	0
19091	Prkg1	-0.342	-0.053	-0.185	0	0	0	0	0	0	NM_011160	protein kinase, cGMP-dependent, type I (Prkg1), transcript variant 2, mRNA.	Mme-M400004277	ILMN_2693295	0	0
19092	Prkg2	0.077	-0.104	-0.190	0	0	0	0	0	0	NM_008926	protein kinase, cGMP-dependent, type II (Prkg2), mRNA.	Mme-M300006617	ILMN_3160326	0	0
23992	Prkra	-0.077	0.011	-0.008	0	0	0	0	0	0	NM_011871	protein kinase, interferon inducible double stranded RNA dependent activator (Prkra), mRNA.	Mme-M200015596	ILMN_3161021	0	0
66801	Prkrip1	0.010	0.066	-0.088	0	0	0	0	0	0	NM_025774	Prkr interacting protein 1 (IL11 inducible) (Prkrip1), mRNA.	Mme-M200007130	ILMN_2851889	0	0
72981	Prkrir	0.356	-0.170	-0.100	0	0	0	0	0	0	NM_028410	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) (Prk	Mme-M300007403	ILMN_1237939	0	0
19108	Prkx	0.211	0.123	0.137	0	0	0	0	0	0	NM_016979	protein kinase, X-linked (Prkx), mRNA.	Mme-M200008705	ILMN_2594094	0	0
19109	Prl	2.642	-1.374	1.620	1	-1	1	1	-1	1	NM_011164	prolactin (Prl), mRNA.	Mme-M200000477	ILMN_2685995	2	1
56635	Prl2a1	-0.357	-0.023	-0.063	0	0	0	0	0	0	NM_019991	prolactin family 2, subfamily a, member 1 (Prl2a1), mRNA.	Mme-M200004650	ILMN_1227631	0	0
66392	Prl2b1	-0.079	-0.051	-0.051	0	0	0	0	0	0	NM_025532	prolactin family 2, subfamily b, member 1 (Prl2b1), mRNA.	Mme-M400011497	ILMN_1215934	0	0
18811	Prl2c2	-0.126	0.114	0.159	0	0	0	0	0	0	NM_031191	prolactin family 2, subfamily c, member 2 (Prl2c2), mRNA.	Mme-M400005515	ILMN_2617996	0	0
107849	Prl2c5	-0.063	0.052	-0.085	0	0	0	0	0	0	NM_181852	prolactin family 2, subfamily c, member 5 (Prl2c5), mRNA.	Mme-M400005140	ILMN_2826278	0	0
67000	Prl3a1	0.022	-0.012	0.066	0	0	0	0	0	0	NM_025896	prolactin family 3, subfamily a, member 1 (Prl3a1), mRNA.	Mme-M200015263	ILMN_2589586	0	0
18776	Prl3b1	-0.102	-0.018	0.011	0	0	0	0	0	0	NM_008865	prolactin family 3, subfamily b, member 1 (Prl3b1), mRNA.	Mme-M200007913	ILMN_1256317	0	0
27372	Prl3c1	0.036	0.010	0.016	0	0	0	0	0	0	NM_013766	prolactin family 3, subfamily c, member 1 (Prl3c1), mRNA.	Mme-M200007850	ILMN_2724496	0	0
215028	Prl3d2	-0.355	-0.034	0.057	0	0	0	0	0	0	NM_172155	prolactin family 3, subfamily d, member 1 (Prl3d2), mRNA.	Mme-M400007967	ILMN_1247562	0	0
19110	Prl4a1	-0.071	-0.023	0.079	0	0	0	0	0	0	NM_011165	prolactin family 4, subfamily a, member 1 (Prl4a1), mRNA.	Mme-M200003647	ILMN_2607776	0	0
28078	Prl5a1	-0.266	0.066	-0.034	0	0	0	0	0	0	NM_023746	prolactin family 5, subfamily a, member 1 (Prl5a1), mRNA.	Mme-M200009817	ILMN_2896505	0	0
19111	Prl6a1	-0.148	0.000	-0.043	0	0	0	0	0	0	NM_011166	prolactin family 6, subfamily a, member 1 (Prl6a1), mRNA.	Mme-M400011109	ILMN_2680026	0	0
19113	Prl7a1	-0.133	0.072	-0.050	0	0	0	0	0	0	NM_008930	prolactin family 7, subfamily a, member 1 (Prl7a1), mRNA.	Mme-M300000814	ILMN_2606903	0	0
19114	Prl7a2	-0.038	-0.026	-0.085	0	0	0	0	0	0	NM_011168	prolactin family 7, subfamily a, member 2 (Prl7a2), mRNA.	Mme-M200009717	ILMN_1220021	0	0
75596	Prl7b1	-0.059	-0.113	0.131	0	0	0	0	0	0	NM_029355	prolactin family 7, subfamily b, member 1 (Prl7b1), mRNA.	Mme-M200014381	ILMN_2748491	0	0
67505	Prl7c1	-0.003	-0.078	-0.030	0	0	0	0	0	0	NM_026206	prolactin family 7, subfamily c, member 1 (Prl7c1), mRNA.	Mme-M400007281	ILMN_2688297	0	0
18814	Prl7d1	-0.067	0.025	0.041	0	0	0	0	0	0	NM_011120	prolactin family 7, subfamily d, member 1 (Prl7d1), mRNA.	Mme-M200001257	ILMN_1215580	0	0
73244	Prl8a1	-0.017	0.001	0.033	0	0	0	0	0	0	NM_028477	prolactin family 8, subfamily a, member 1 (Prl8a1), mRNA.	Mme-M300001816	ILMN_1217895	0	0
13529	Prl8a2	0.054	0.038	-0.005	0	0	0	0	0	0	NM_010088	prolactin family 8, subfamily a, member 2 (Prl8a2), mRNA.	Mme-M200007832	ILMN_1225722	0	0
19112	Prl8a6	0.079	-0.105	-0.046	0	0	0	0	0	0	NM_011167	prolactin family 8, subfamily a, member 6 (Prl8a6), mRNA.	Mme-M300002713	ILMN_2716897	0	0
74188	Prl8a8	0.039	-0.032	0.046	0	0	0	0	0	0	NM_023741	prolactin family 8, subfamily a, member 81 (Prl8a8), mRNA.	Mme-M200014384	ILMN_2786010	0	0
67310	Prl8a9	-0.003	0.040	0.036	0	0	0	0	0	0	NM_023332	prolactin family8, subfamily a, member 9 (Prl8a9), mRNA.	Mme-M300000815	ILMN_1256562	0	0
226278	Prlhr	-0.211	-0.042	-0.117	0	0	0	0	0	0	NM_201615	prolactin releasing hormone receptor (Prlhr), mRNA.	Mme-M400002977	ILMN_2935636	0	0
19116	Prlr	0.153	-0.426	-0.562	0	-1	-1	0	0	-1	NM_011169	prolactin receptor (Prlr), mRNA.	Mme-M200001040	ILMN_2617005	0	1
19118	Prm1	0.054	0.304	0.122	0	0	0	0	0	0	NM_013637	protamine 1 (Prm1), mRNA.	Mme-M300003319	ILMN_2806549	0	0
19120	Prm3	-0.200	-0.016	-0.054	0	0	0	0	0	0	NM_013638	protamine 3 (Prm3), mRNA.	Mme-M300020769	ILMN_1219477	0	0
15469	Prmt1	0.318	0.225	-0.110	0	0	0	0	0	0	NM_019830	protein arginine N-methyltransferase 1 (Prmt1), mRNA.	Mme-M200005596	ILMN_2677408	0	0
102182	Prmt10	-0.025	0.016	0.054	0	0	0	0	0	0	NM_001081240	expressed sequence AI931714 (AI931714), mRNA.	Mme-M300010755	ILMN_2516620	0	0
15468	Prmt2	-0.049	0.060	-0.128	0	0	0	0	0	0	NM_133182	protein arginine N-methyltransferase 2 (Prmt2), transcript variant 1, mRNA.	Mme-M300002076	ILMN_3099751	0	0
71974	Prmt3	-0.162	-0.091	0.004	0	0	0	0	0	0	NM_133740	protein arginine N-methyltransferase 3 (Prmt3), mRNA.	Mme-M200007337	ILMN_2948712	0	0
27374	Prmt5	0.203	0.125	-0.175	0	0	0	0	0	0	NM_013768	protein arginine N-methyltransferase 5 (Prmt5), mRNA.	Mme-M300003671	ILMN_2983093	0	0
99890	Prmt6	-0.082	-0.045	0.145	0	0	0	0	0	0	NM_178891	protein arginine N-methyltransferase 6 (Prmt6), mRNA.	Mme-M300020042	ILMN_1221973	0	0
214572	Prmt7	-0.165	0.093	-0.192	0	0	0	0	0	0	NM_145404	protein arginine N-methyltransferase 7 (Prmt7), mRNA.	Mme-M200009707	ILMN_2736347	0	0
381813	Prmt8	0.080	0.047	-0.066	0	0	0	0	0	0	NM_201371	protein arginine N-methyltransferase 8 (Prmt8), mRNA.	Mme-M300007160	ILMN_2746167	0	0
19122	Prnp	-0.058	0.025	-0.025	0	0	0	0	0	0	NM_011170	prion protein (Prnp), mRNA.	Mme-M200000229	ILMN_2619316	0	0
19123	Proc	-0.085	0.067	-0.026	0	0	0	0	0	0	NM_001042767	protein C (Proc), transcript variant 2, mRNA.	Mme-M200001055	ILMN_3109675	0	0
216974	Proca1	-0.049	-0.074	0.097	0	0	0	0	0	0	NM_001045516	RIKEN cDNA 4933404M19 gene (4933404M19Rik), mRNA.	Mme-M300015163	ILMN_2778555	0	0
19124	Procr	-0.239	0.038	0.204	0	0	0	0	0	0	NM_011171	protein C receptor, endothelial (Procr), mRNA.	Mme-M200001248	ILMN_2904658	0	0
19125	Prodh	-0.138	-0.150	-0.141	0	0	0	0	0	0	NM_011172	proline dehydrogenase (Prodh), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000074	ILMN_2636666	0	0
56189	Prodh2	-0.102	0.106	0.082	0	0	0	0	0	0	NM_019546	proline dehydrogenase (oxidase) 2 (Prodh2), mRNA.	Mme-M200012077	ILMN_1252471	0	0
50501	Prok2	-0.210	-0.032	0.082	0	0	0	0	0	0	NM_001037539	prokineticin 2 (Prok2), transcript variant 2, mRNA.	Mme-M200015845	ILMN_2653528	0	0
58182	Prokr1	-0.056	-0.397	0.264	0	0	0	0	0	0	NM_021381	prokineticin receptor 1 (Prokr1), mRNA.	Mme-M300020148	ILMN_1228536	0	0
246313	Prokr2	-0.245	-0.044	0.056	0	0	0	0	0	0	NM_144944	prokineticin receptor 2 (Prokr2), mRNA.	Mme-M300021245	ILMN_2810904	0	0
17830	Prol1	-0.025	0.050	0.047	0	0	0	0	0	0	NM_008644	mucin 10, submandibular gland salivary mucin (Muc10), mRNA.	Mme-M200012892	ILMN_1247393	0	0
192212	Prom2	-0.048	-0.107	-0.145	0	0	0	0	0	0	NM_178047	prominin 2 (Prom2), transcript variant 2, mRNA.	Mme-M300005608	ILMN_1246392	0	0
19127	Prop1	0.143	0.028	0.008	0	0	0	0	0	0	NM_008936	paired like homeodomain factor 1 (Prop1), mRNA.	Mme-M200000552	ILMN_2613646	0	0
67939	Prorsd1	0.367	-0.072	0.045	0	0	0	0	0	0	NM_026465	RIKEN cDNA 2010316F05 gene (2010316F05Rik), mRNA.	Mme-M200007271	ILMN_1250771	0	0
19128	Pros1	0.122	0.321	0.097	0	0	0	0	0	0	NM_011173	protein S (alpha) (Pros1), mRNA.	Mme-M200004946	ILMN_1235499	0	0
114863	Prosc	0.242	-0.072	-0.099	0	0	0	0	0	0	NM_054057	proline synthetase co-transcribed (Prosc), transcript variant 1, mRNA.	Mme-M200013306	ILMN_3037668	0	0
212127	Proser1	0.026	0.193	0.146	0	0	0	0	0	0	NM_173382	RIKEN cDNA 2810046L04 gene (2810046L04Rik), mRNA.	Mme-M400012264	ILMN_2769811	0	0
227545	Proser2	-0.126	-0.067	-0.036	0	0	0	0	0	0	NM_144883	RIKEN cDNA 5430407P10 gene (5430407P10Rik), mRNA.	Mme-M200009141	ILMN_2872011	0	0
19130	Prox1	0.385	0.080	-0.047	0	0	0	0	0	0	NM_008937	prospero-related homeobox 1 (Prox1), mRNA.	Mme-M200003891	ILMN_2598766	0	0
83380	Prp2	-0.137	0.054	-0.030	0	0	0	0	0	0	NM_031499	proline rich protein 2 (Prp2), mRNA.	Mme-M400012808	ILMN_2936574	0	0
67229	Prpf18	-0.070	-0.112	-0.172	0	0	0	0	0	0	NM_026045	PRP18 pre-mRNA processing factor 18 homolog (yeast) (Prpf18), mRNA.	Mme-M200008092	ILMN_2835346	0	0
28000	Prpf19	0.128	0.220	-0.129	0	0	0	0	0	0	NM_134129	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae) (Prpf19), mRNA.	Mme-M300004284	ILMN_2934532	0	0
70767	Prpf3	0.091	0.138	-0.119	0	0	0	0	0	0	NM_027541	PRP3 pre-mRNA processing factor 3 homolog (yeast) (Prpf3), mRNA.	Mme-M300001449	ILMN_2740053	0	0
68988	Prpf31	0.054	0.080	-0.076	0	0	0	0	0	0	NM_027328	PRP31 pre-mRNA processing factor 31 homolog (yeast) (Prpf31), mRNA.	Mme-M200004093	ILMN_2754225	0	0
230596	Prpf38a	0.279	0.132	0.128	0	0	0	0	0	0	NM_172697	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A (Prpf38a), mRNA.	Mme-M300006177	ILMN_2630704	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66921	Prpf38b	0.259	-0.120	0.033	0	0	0	0	0	0	NM_025845	PRP38 pre-mRNA processing factor 38 (yeast) domain containing B (Prpf38b), mRNA.	Mme-M200008346	ILMN_2929553	0	0
328110	Prpf39	0.173	0.010	0.103	0	0	0	0	0	0	NM_177806	PRP39 pre-mRNA processing factor 39 homolog (yeast) (Prpf39), mRNA.	Mme-M300010009	ILMN_2692799	0	0
56194	Prpf40a	0.146	-0.109	0.107	0	0	0	0	0	0	NM_018785	PRP40 pre-mRNA processing factor 40 homolog A (yeast) (Prpf40a), mRNA.	Mme-M200015892	ILMN_2642806	0	0
54614	Prpf40b	0.100	0.138	0.063	0	0	0	0	0	0	NM_018786	PRP40 pre-mRNA processing factor 40 homolog B (yeast) (Prpf40b), mRNA.	Mme-M400000633	ILMN_2659200	0	0
68879	Prpf6	0.107	-0.050	0.101	0	0	0	0	0	0	NM_133701	PRP6 pre-mRNA splicing factor 6 homolog (yeast) (Prpf6), mRNA.	Mme-M200002471	ILMN_2712957	0	0
192159	Prpf8	0.223	-0.068	-0.089	0	0	0	0	0	0	NM_138659	pre-mRNA processing factor 8 (Prpf8), mRNA.	Mme-M200001438	ILMN_2637661	0	0
19132	Prph	-0.049	-0.117	-0.139	0	0	0	0	0	0	NM_013639	peripherin (Prph), mRNA.	Mme-M200000936	ILMN_2723622	0	0
19133	Prph2	-0.018	0.077	0.004	0	0	0	0	0	0	NM_008938	peripherin 2 (Prph2), mRNA.	Mme-M200002105	ILMN_1241602	0	0
381832	Prpmp5	-0.140	0.014	0.027	0	0	0	0	0	0	NM_001024705	proline-rich protein MP5 (Prpmp5), mRNA.	Mme-M400001225	ILMN_2850496	0	0
19139	Prps1	0.114	-0.011	0.066	0	0	0	0	0	0	NM_021463	phosphoribosyl pyrophosphate synthetase 1 (Prps1), mRNA.	Mme-M200005561	ILMN_1230518	0	0
75456	Prps1l1	0.303	-0.091	-0.089	0	0	0	0	0	0	NM_029294	phosphoribosyl pyrophosphate synthetase 1-like 1 (Prps1l1), mRNA.	Mme-M400003145	ILMN_1221385	0	0
110639	Prps2	-0.088	-0.188	0.095	0	0	0	0	0	0	NM_026662	phosphoribosyl pyrophosphate synthetase 2 (Prps2), mRNA.	Mme-M300004745	ILMN_1234614	0	0
67763	Prpsap1	-0.117	-0.133	-0.107	0	0	0	0	0	0	XM_001481297	PREDICTED: phosphoribosyl pyrophosphate synthetase-associated protein 1 (Prpsap1), mRNA.	Mme-M200005052	ILMN_2620166	0	0
212627	Prpsap2	0.108	-0.085	0.094	0	0	0	0	0	0	NM_144806	phosphoribosyl pyrophosphate synthetase-associated protein 2 (Prpsap2), mRNA.	Mme-M300002234	ILMN_2629446	0	0
270906	Prr11	-0.409	-0.016	0.137	0	0	0	0	0	0	NM_175563	proline rich 11 (Prr11), mRNA.	Mme-M300002222	ILMN_2926068	0	0
233210	Prr12	-0.050	-0.019	-0.105	0	0	0	0	0	0	NM_175022	proline rich 12 (Prr12), mRNA.	Mme-M300017467	ILMN_1233884	0	0
66151	Prr13	-0.032	0.077	0.004	0	0	0	0	0	0	NM_025385	proline rich 13 (Prr13), mRNA.	Mme-M200016276	ILMN_2657516	0	0
233895	Prr14	0.365	-0.129	-0.090	0	0	0	0	0	0	NM_145589	proline rich 14 (Prr14), mRNA.	Mme-M200014042	ILMN_2637321	0	0
215476	Prr14l	0.105	0.156	-0.002	0	0	0	0	0	0	NM_194340	RIKEN cDNA C330019G07 gene (C330019G07Rik), mRNA.	Mme-M400004759	ILMN_1256807	0	0
78004	Prr15	0.180	0.029	-0.035	0	0	0	0	0	0	NM_030024	proline rich 15 (Prr15), mRNA.	Mme-M200013823	ILMN_2649456	0	0
217138	Prr15l	0.020	-0.202	-0.143	0	0	0	0	0	0	NM_146026	ATPase family, AAA domain containing 4 (Atad4), mRNA.	Mme-M300017905	ILMN_2788191	0	0
320111	Prr18	-0.272	-0.091	0.149	0	0	0	0	0	0	NM_178774	proline rich region 18 (Prr18), mRNA.	Mme-M300015712	ILMN_2728682	0	0
73779	Prr27	-0.074	0.024	-0.017	0	0	0	0	0	0	NM_028648	RIKEN cDNA 4930432K09 gene (4930432K09Rik), mRNA.	Mme-M200015659	ILMN_2760525	0	0
75210	Prr3	0.093	0.140	0.093	0	0	0	0	0	0	NM_145487	proline-rich polypeptide 3 (Prr3), mRNA.	Mme-M300011587	ILMN_2797322	0	0
76627	Prr30	-0.272	-0.021	0.015	0	0	0	0	0	0	NM_029680	RIKEN cDNA 1700110M21 gene (1700110M21Rik), mRNA.	Mme-M200007098	ILMN_2471068	0	0
68800	Prr32	0.187	0.174	-0.053	0	0	0	0	0	0	XM_978018	PREDICTED: RIKEN cDNA 1110059M19 gene (1110059M19Rik), mRNA.	Mme-M200004628	ILMN_1231588	0	0
677289	Prr33	0.408	0.328	-0.141	0	0	0	0	0	0	XM_001002022	PREDICTED: predicted gene, ENSMUSG00000043795 (ENSMUSG00000043795), mRNA.	Mme-M300014857	ILMN_1254394	0	0
73072	Prr36	0.177	0.069	-0.092	0	0	0	0	0	0	NM_207203	cDNA sequence BC068157 (BC068157), mRNA.	Mme-M300015546	ILMN_2690232	0	0
109270	Prr5	-0.229	-0.061	-0.039	0	0	0	0	0	0	NM_146061	Rho GTPase activating protein 8 (Arhgap8), mRNA.	Mme-M300010242	ILMN_2653275	0	0
72446	Prr5l	-0.250	0.193	0.100	0	0	0	0	0	0	NM_001110849	RIKEN cDNA 2600010E01 gene (2600010E01Rik), transcript variant 3, mRNA.	Mme-M200006993	ILMN_2887104	0	0
432763	Prr7	-0.266	-0.116	-0.171	0	0	0	0	0	0	NM_001030296	proline rich 7 (synaptic) (Prr7), mRNA.	Mme-M400001729	ILMN_3162239	0	0
109314	Prr9	-0.188	-0.069	-0.065	0	0	0	0	0	0	NM_175424	RIKEN cDNA A030004J04 gene (A030004J04Rik), mRNA.	Mme-M400005452	ILMN_2623605	0	0
73137	Prrc1	0.286	-0.081	-0.164	0	0	0	0	0	0	NM_028447	proline-rich coiled-coil 1 (Prrc1), mRNA.	Mme-M400013217	ILMN_2666406	0	0
53761	Prrc2a	0.098	0.297	0.093	0	0	0	0	0	0	NM_020027	HLA-B associated transcript 2 (Bat2), mRNA.	Mme-M200003859	ILMN_1254154	0	0
227723	Prrc2b	-0.109	-0.003	-0.123	0	0	0	0	0	0	NM_172661	RIKEN cDNA 5830434P21 gene (5830434P21Rik), mRNA.	Mme-M300012073	ILMN_1240274	0	0
226562	Prrc2c	0.216	-0.170	0.487	0	0	1	0	0	1	NM_001081290	BAT2 domain containing 1 (Bat2d), mRNA.	Mme-M200006979	ILMN_1241229	1	0
546336	Prrg1	0.015	0.086	-0.064	0	0	0	0	0	0	XM_900525	PREDICTED: proline rich Gla (G-carboxyglutamic acid) 1, transcript variant 5 (Prrg1), mRNA.	Mme-M300018823	ILMN_1214039	0	0
65116	Prrg2	0.220	0.042	-0.161	0	0	0	0	0	0	NM_022999	proline-rich Gla (G-carboxyglutamic acid) polypeptide 2 (Prrg2), mRNA.	Mme-M200001017	ILMN_1245984	0	0
208748	Prrg3	0.153	0.045	0.027	0	0	0	0	0	0	NM_001081135	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane) (Prrg3), mRNA.	Mme-M400018747	ILMN_1241345	0	0
228413	Prrg4	-0.304	0.014	0.025	0	0	0	0	0	0	NM_178695	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane) (Prrg4), mRNA.	Mme-M300005495	ILMN_2741087	0	0
260297	Prrt1	0.212	0.172	0.060	0	0	0	0	0	0	NM_030890	proline-rich transmembrane protein 1 (Prrt1), mRNA.	Mme-M200013349	ILMN_2977167	0	0
18933	Prrx1	0.421	0.145	-0.127	0	0	0	0	0	0	NM_011127	paired related homeobox 1 (Prrx1), transcript variant 1, mRNA.	Mme-M400011104	ILMN_2678094	0	0
20204	Prrx2	-0.008	-0.289	-0.039	0	0	0	0	0	0	NM_009116	paired related homeobox 2 (Prrx2), mRNA.	Mme-M300012194	ILMN_2734036	0	0
107751	Prrxl1	-0.329	0.053	0.034	0	0	0	0	0	0	NM_001001796	paired related homeobox protein-like 1 (Prrxl1), mRNA.	Mme-M300013330	ILMN_2618862	0	0
19142	Prss12	-0.077	-0.014	-0.240	0	0	0	0	0	0	NM_008939	protease, serine, 12 neurotrypsin (motopsin) (Prss12), mRNA.	Mme-M200002792	ILMN_2616682	0	0
54373	Prss16	0.108	-0.029	0.120	0	0	0	0	0	0	NM_019429	protease, serine, 16 (thymus) (Prss16), mRNA.	Mme-M200007176	ILMN_2615359	0	0
22072	Prss2	0.079	-0.008	0.029	0	0	0	0	0	0	NM_009430	protease, serine, 2 (Prss2), mRNA.	Mme-M400005796	ILMN_2716989	0	0
57256	Prss21	-0.161	-0.015	-0.002	0	0	0	0	0	0	NM_020487	protease, serine, 21 (Prss21), mRNA.	Mme-M300003918	ILMN_2661685	0	0
70835	Prss22	0.567	0.032	-0.011	0	0	0	0	0	0	NM_133731	protease, serine, 22 (Prss22), mRNA.	Mme-M200009923	ILMN_2688287	0	0
76453	Prss23	0.345	-0.223	0.023	0	0	0	0	0	0	NM_029614	protease, serine, 23 (Prss23), mRNA.	Mme-M200004359	ILMN_1246127	0	0
213171	Prss27	-0.120	-0.134	0.039	0	0	0	0	0	0	NM_175440	protease, serine 27 (Prss27), mRNA.	Mme-M300021434	ILMN_2600883	0	0
114661	Prss28	-0.350	0.026	0.055	0	0	0	0	0	0	NM_053259	protease, serine, 28 (Prss28), mRNA.	Mme-M200013177	ILMN_2676226	0	0
114662	Prss29	-0.068	0.057	-0.104	0	0	0	0	0	0	NM_053260	protease, serine, 29 (Prss29), mRNA.	Mme-M200013178	ILMN_3049094	0	0
22073	Prss3	-0.039	-0.054	-0.026	0	0	0	0	0	0	NM_011645	protease, serine, 3 (Prss3), mRNA.	Mme-M400001199	ILMN_2829699	0	0
30943	Prss30	-0.062	0.000	0.044	0	0	0	0	0	0	NM_013921	transmembrane protease, serine 8 (intestinal) (Tmprss8), mRNA.	Mme-M300003925	ILMN_1258386	0	0
69814	Prss32	-0.395	0.134	0.025	0	0	0	0	0	0	NM_027220	protease, serine, 32 (Prss32), mRNA.	Mme-M300019763	ILMN_1237586	0	0
328780	Prss34	-0.467	0.071	0.065	0	0	0	0	0	0	NM_178372	protease, serine, 34 (Prss34), mRNA.	Mme-M300010472	ILMN_1239878	0	0
77613	Prss36	-0.218	0.045	-0.066	0	0	0	0	0	0	NM_001081374	protease, serine, 36 (Prss36), mRNA.	Mme-M400010523	ILMN_1228060	0	0
67690	Prss37	-0.086	-0.051	-0.038	0	0	0	0	0	0	NM_026317	RIKEN cDNA 1700016G05 gene (1700016G05Rik), mRNA.	Mme-M200014737	ILMN_2637903	0	0
216797	Prss38	-0.400	0.117	0.110	0	0	0	0	0	0	NM_001045521	gene model 249, (NCBI) (Gm249), mRNA.	Mme-M400003526	ILMN_3002543	0	0
21755	Prss39	-0.422	0.017	-0.001	0	0	0	0	0	0	NM_009355	testicular serine protease 1 (Tesp1), mRNA.	Mme-M200002979	ILMN_2770137	0	0
21756	Prss40	-0.349	-0.003	0.014	0	0	0	0	0	0	NM_009356	testicular serine protease 2 (Tesp2), mRNA.	Mme-M300010981	ILMN_2771861	0	0
71003	Prss41	-0.228	0.024	0.007	0	0	0	0	0	0	NM_027644	RIKEN cDNA 4931440B09 gene (4931440B09Rik), mRNA.	Mme-M200010267	ILMN_2650180	0	0
235628	Prss42	-0.186	-0.031	0.019	0	0	0	0	0	0	NM_153099	testis serine protease 2 (Tessp2), mRNA.	Mme-M200013332	ILMN_2878791	0	0
272643	Prss43	-0.138	0.055	-0.064	0	0	0	0	0	0	NM_199471	testis serine protease 3 (Tessp3), mRNA.	Mme-M400006321	ILMN_2951193	0	0
260408	Prss45	-0.236	-0.032	-0.074	0	0	0	0	0	0	NM_153172	cDNA sequence BC107230 (BC107230), mRNA.	Mme-M300018110	ILMN_1245069	0	0
74306	Prss46	0.162	0.025	-0.144	0	0	0	0	0	0	NM_183103	RIKEN cDNA 1700112C13 gene (1700112C13Rik), mRNA.	Mme-M200015856	ILMN_2625085	0	0
218304	Prss47	-0.230	-0.081	0.016	0	0	0	0	0	0	XM_138671	PREDICTED: gene model 274, (NCBI) (Gm274), mRNA.	Mme-M400000473	ILMN_1231202	0	0
368202	Prss48	-0.184	-0.053	-0.015	0	0	0	0	0	0	NM_001001650	gene model 1019, (NCBI) (Gm1019), mRNA.	Mme-M300019782	ILMN_1217679	0	0
235631	Prss50	-0.184	0.006	-0.055	0	0	0	0	0	0	NM_146227	testes-specific protease 50 (Tsp50), mRNA.	Mme-M300019526	ILMN_1245792	0	0
73382	Prss52	-0.333	0.070	-0.005	0	0	0	0	0	0	NM_028525	RIKEN cDNA 1700049K14 gene (1700049K14Rik), mRNA.	Mme-M300003033	ILMN_2598050	0	0
330657	Prss53	-0.330	-0.887	-0.073	0	-1	0	0	-1	0	NM_001081268	cDNA sequence BC039632 (BC039632), mRNA.	Mme-M300015181	ILMN_2682674	0	1
70993	Prss54	-0.068	0.078	-0.050	0	0	0	0	0	0	NM_027640	RIKEN cDNA 4931432M23 gene (4931432M23Rik), mRNA.	Mme-M400003411	ILMN_2824364	0	0
71037	Prss55	0.012	0.011	0.017	0	0	0	0	0	0	NM_001081063	RIKEN cDNA 4933401F05 gene (4933401F05Rik), mRNA.	Mme-M300009452	ILMN_2683640	0	0
69453	Prss56	-0.179	0.003	-0.119	0	0	0	0	0	0	XM_487606	PREDICTED: RIKEN cDNA 1700027L20 gene (1700027L20Rik), mRNA.	Mme-M400008269	ILMN_2746177	0	0
73106	Prss57	-0.304	0.007	-0.001	0	0	0	0	0	0	NM_001042710	protease, serine-like 1 (Prssl1), mRNA.	Mme-M300002139	ILMN_2755337	0	0
232717	Prss58	-0.042	0.054	0.038	0	0	0	0	0	0	NM_175020	cDNA sequence BC048599 (BC048599), mRNA.	Mme-M400003939	ILMN_2598300	0	0
76560	Prss8	-0.223	-0.386	-0.088	0	0	0	0	0	0	NM_133351	protease, serine, 8 (prostasin) (Prss8), mRNA.	Mme-M300007438	ILMN_2846148	0	0
235472	Prtg	-0.294	-0.049	0.015	0	0	0	0	0	0	NM_175485	protogenin homolog (Gallus gallus) (Prtg), mRNA.	Mme-M300010211	ILMN_2748795	0	0
19152	Prtn3	0.004	0.416	0.169	0	0	0	0	0	0	NM_011178	proteinase 3 (Prtn3), mRNA.	Mme-M200000886	ILMN_2758029	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
229589	Prune	-0.115	0.309	-0.095	0	0	0	0	0	0	NM_173347	prune homolog (Drosophila) (Prune), mRNA.	Mme-M300001445	ILMN_2673213	0	0
353211	Prune2	-0.390	0.142	-0.071	0	0	0	0	0	0	XR_035391	PREDICTED: RIKEN cDNA A230083H22 gene (A230083H22Rik), misc RNA.	Mme-M300011972	ILMN_1225912	0	0
19153	Prx	-0.234	0.099	-0.110	0	0	0	0	0	0	NM_198048	periaxin (Prx), transcript variant 1, mRNA.	Mme-M200002876	ILMN_3154269	0	0
19156	Psap	-0.025	-0.056	-0.064	0	0	0	0	0	0	NM_011179	prosaposin (Psap), mRNA.	Mme-M200001298	ILMN_2845080	0	0
76943	Psapl1	0.296	-3.065	0.025	0	-1	0	0	-1	0	NM_175249	prosaposin-like 1 (Psapl1), mRNA.	Mme-M400012292	ILMN_2635197	0	1
107272	Psat1	0.195	0.118	0.004	0	0	0	0	0	0	NM_177420	phosphoserine aminotransferase 1 (Psat1), mRNA.	Mme-M200006720	ILMN_1221048	0	0
72373	Psca	-0.181	-0.096	0.056	0	0	0	0	0	0	NM_028216	prostate stem cell antigen (Psca), mRNA.	Mme-M200014493	ILMN_2713055	0	0
74002	Psd2	-0.146	0.393	0.010	0	0	0	0	0	0	NM_028707	pleckstrin and Sec7 domain containing 2 (Psd2), mRNA.	Mme-M300004080	ILMN_2678366	0	0
234353	Psd3	0.091	-0.030	-0.077	0	0	0	0	0	0	NM_027626	pleckstrin and Sec7 domain containing 3 (Psd3), transcript variant 3, mRNA.	Mme-M400009567	ILMN_2764744	0	0
215632	Psd4	-0.253	0.182	0.101	0	0	0	0	0	0	NM_177611	pleckstrin and Sec7 domain containing 4 (Psd4), mRNA.	Mme-M300005414	ILMN_1228690	0	0
19164	Psen1	-0.440	0.124	0.038	0	0	0	0	0	0	NM_008943	presenilin 1 (Psen1), mRNA.	Mme-M400000350	ILMN_2687249	0	0
19165	Psen2	-0.010	0.266	-0.010	0	0	0	0	0	0	NM_011183	presenilin 2 (Psen2), mRNA.	Mme-M200001688	ILMN_2941992	0	0
66340	Psenen	0.132	-0.016	-0.107	0	0	0	0	0	0	NM_025498	presenilin enhancer 2 homolog (C. elegans) (Psenen), mRNA.	Mme-M400001927	ILMN_2592313	0	0
26436	Psg16	-0.331	-0.110	0.011	0	0	0	0	0	0	NM_007676	pregnancy specific glycoprotein 16 (Psg16), mRNA.	Mme-M300007173	ILMN_2611851	0	0
26437	Psg17	0.023	0.022	-0.005	0	0	0	0	0	0	NM_007677	pregnancy specific glycoprotein 17 (Psg17), mRNA.	Mme-M400010748	ILMN_2749307	0	0
26438	Psg18	0.002	-0.142	-0.053	0	0	0	0	0	0	NM_011963	pregnancy specific glycoprotein 18 (Psg18), mRNA.	Mme-M300000434	ILMN_2717406	0	0
26439	Psg19	-0.153	-0.072	0.063	0	0	0	0	0	0	NM_011964	pregnancy specific glycoprotein 19 (Psg19), mRNA.	Mme-M400000090	ILMN_1227375	0	0
72242	Psg21	0.051	0.060	0.056	0	0	0	0	0	0	NM_027403	pregnancy-specific glycoprotein 21 (Psg21), mRNA.	Mme-M400003104	ILMN_2809021	0	0
243862	Psg22	-0.395	-0.041	0.003	0	0	0	0	0	0	NM_001004152	pregnancy-specific glycoprotein 22 (Psg22), mRNA.	Mme-M400002960	ILMN_3078396	0	0
56868	Psg23	-0.209	-0.012	-0.102	0	0	0	0	0	0	NM_020261	pregnancy-specific glycoprotein 23 (Psg23), mRNA.	Mme-M400006605	ILMN_2972829	0	0
114868	Psg25	-0.108	-0.022	-0.002	0	0	0	0	0	0	NM_054060	pregnancy-specific glycoprotein 25 (Psg25), mRNA.	Mme-M400006574	ILMN_2996933	0	0
574429	Psg26	0.113	-0.004	0.073	0	0	0	0	0	0	NM_001029893	pregnancy-specific glycoprotein 26 (Psg26), mRNA.	Mme-M400004396	ILMN_2794347	0	0
545925	Psg27	-0.338	0.036	-0.026	0	0	0	0	0	0	NM_001037168	pregnancy-specific glycoprotein 27 (Psg27), mRNA.	Mme-M400006179	ILMN_2864569	0	0
114871	Psg28	0.031	0.065	-0.027	0	0	0	0	0	0	NM_054063	pregnancy-specific glycoprotein 28 (Psg28), mRNA.	Mme-M400011785	ILMN_2627050	0	0
114872	Psg29	-0.367	0.020	0.035	0	0	0	0	0	0	NM_054064	pregnancy-specific glycoprotein 29 (Psg29), mRNA.	Mme-M400000160	ILMN_1249265	0	0
232919	Psg-ps1	-0.393	0.017	-0.026	0	0	0	0	0	0	NR_002857	pregnancy specific glycoprotein pseudogene 1 (Psg-ps1) on chromosome 7.	Mme-M400000652	ILMN_2589126	0	0
101739	Psip1	0.078	0.027	0.071	0	0	0	0	0	0	NM_133948	PC4 and SFRS1 interacting protein 1 (Psip1), mRNA.	Mme-M400001089	ILMN_2796429	0	0
244631	Pskh1	0.142	-0.103	-0.093	0	0	0	0	0	0	NM_173432	protein serine kinase H1 (Pskh1), mRNA.	Mme-M300019122	ILMN_2713872	0	0
26440	Psma1	0.184	-0.056	0.072	0	0	0	0	0	0	NM_011965	proteasome (prosome, macropain) subunit, alpha type 1 (Psma1), mRNA.	Mme-M200006835	ILMN_2777591	0	0
19166	Psma2	-0.048	0.032	-0.006	0	0	0	0	0	0	NM_008944	proteasome (prosome, macropain) subunit, alpha type 2 (Psma2), mRNA.	Mme-M200012118	ILMN_2641238	0	0
19167	Psma3	0.273	0.183	0.075	0	0	0	0	0	0	NM_011184	proteasome (prosome, macropain) subunit, alpha type 3 (Psma3), mRNA.	Mme-M300002542	ILMN_2662067	0	0
26441	Psma4	0.153	0.102	0.177	0	0	0	0	0	0	NM_011966	proteasome (prosome, macropain) subunit, alpha type 4 (Psma4), mRNA.	Mme-M200006931	ILMN_2771944	0	0
26442	Psma5	0.124	-0.079	0.152	0	0	0	0	0	0	NM_011967	proteasome (prosome, macropain) subunit, alpha type 5 (Psma5), mRNA.	Mme-M400011181	ILMN_2962606	0	0
26443	Psma6	0.142	0.029	0.000	0	0	0	0	0	0	NM_011968	proteasome (prosome, macropain) subunit, alpha type 6 (Psma6), mRNA.	Mme-M300002517	ILMN_1224538	0	0
26444	Psma7	0.134	0.142	-0.097	0	0	0	0	0	0	NM_011969	proteasome (prosome, macropain) subunit, alpha type 7 (Psma7), mRNA.	Mme-M200004201	ILMN_2630328	0	0
73677	Psma8	0.008	0.005	-0.060	0	0	0	0	0	0	XM_357002	PREDICTED: proteasome (prosome, macropain) subunit, alpha type, 8, transcript variant 1 (Psma8), mRNA.	Mme-M200015822	ILMN_1234190	0	0
19170	Psmb1	0.226	-0.086	0.173	0	0	0	0	0	0	NM_011185	proteasome (prosome, macropain) subunit, beta type 1 (Psmb1), mRNA.	Mme-M400011112	ILMN_1239724	0	0
19171	Psmb10	0.556	0.771	0.245	0	1	0	0	1	0	NM_013640	proteasome (prosome, macropain) subunit, beta type 10 (Psmb10), mRNA.	Mme-M200000278	ILMN_2757870	1	0
73902	Psmb11	-0.425	-0.014	-0.051	0	0	0	0	0	0	NM_175204	proteasome (prosome, macropain) subunit, beta type, 11 (Psmb11), mRNA.	Mme-M200007170	ILMN_2632853	0	0
26445	Psmb2	0.030	0.244	0.063	0	0	0	0	0	0	NM_011970	proteasome (prosome, macropain) subunit, beta type 2 (Psmb2), mRNA.	Mme-M200004330	ILMN_2949639	0	0
26446	Psmb3	0.113	0.002	-0.071	0	0	0	0	0	0	NM_011971	proteasome (prosome, macropain) subunit, beta type 3 (Psmb3), mRNA.	Mme-M400005941	ILMN_2708599	0	0
19172	Psmb4	0.073	0.020	-0.109	0	0	0	0	0	0	NM_008945	proteasome (prosome, macropain) subunit, beta type 4 (Psmb4), mRNA.	Mme-M200000129	ILMN_2671124	0	0
19173	Psmb5	-0.083	-0.166	-0.152	0	0	0	0	0	0	NM_011186	proteasome (prosome, macropain) subunit, beta type 5 (Psmb5), mRNA.	Mme-M300003132	ILMN_2613469	0	0
19175	Psmb6	-0.123	0.139	-0.195	0	0	0	0	0	0	NM_008946	proteasome (prosome, macropain) subunit, beta type 6 (Psmb6), mRNA.	Mme-M300001650	ILMN_2777337	0	0
19177	Psmb7	0.252	0.265	-0.077	0	0	0	0	0	0	NM_011187	proteasome (prosome, macropain) subunit, beta type 7 (Psmb7), mRNA.	Mme-M200000852	ILMN_2836147	0	0
16913	Psmb8	0.478	0.718	0.452	0	1	1	0	1	1	NM_010724	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7) (Psmb8), mRNA.	Mme-M200003254	ILMN_1226683	2	0
16912	Psmb9	0.527	0.336	0.264	0	0	0	0	0	0	NM_013585	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2) (Psmb9), mRNA.	Mme-M300004073	ILMN_1242466	0	0
19179	Psmc1	0.064	0.043	-0.026	0	0	0	0	0	0	NM_008947	protease (prosome, macropain) 26S subunit, ATPase 1 (Psmc1), mRNA.	Mme-M300002605	ILMN_2707503	0	0
19181	Psmc2	0.134	0.041	-0.063	0	0	0	0	0	0	NM_011188	proteasome (prosome, macropain) 26S subunit, ATPase 2 (Psmc2), mRNA.	Mme-M300006374	ILMN_2918018	0	0
19182	Psmc3	0.036	0.073	-0.118	0	0	0	0	0	0	NM_008948	proteasome (prosome, macropain) 26S subunit, ATPase 3 (Psmc3), mRNA.	Mme-M200004022	ILMN_2686571	0	0
19183	Psmc3ip	-0.100	0.041	-0.049	0	0	0	0	0	0	NM_008949	proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein (Psmc3ip), mRNA.	Mme-M200003600	ILMN_2999654	0	0
23996	Psmc4	0.085	-0.059	-0.135	0	0	0	0	0	0	NM_011874	proteasome (prosome, macropain) 26S subunit, ATPase, 4 (Psmc4), mRNA.	Mme-M200006545	ILMN_2632349	0	0
19184	Psmc5	-0.083	0.184	0.040	0	0	0	0	0	0	NM_008950	protease (prosome, macropain) 26S subunit, ATPase 5 (Psmc5), mRNA.	Mme-M200000234	ILMN_1220632	0	0
67089	Psmc6	-0.005	-0.019	-0.005	0	0	0	0	0	0	NM_025959	proteasome (prosome, macropain) 26S subunit, ATPase, 6 (Psmc6), mRNA.	Mme-M200003614	ILMN_2631558	0	0
70247	Psmd1	0.091	0.125	0.050	0	0	0	0	0	0	NM_027357	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1 (Psmd1), mRNA.	Mme-M400000904	ILMN_2440046	0	0
53380	Psmd10	0.105	0.172	-0.047	0	0	0	0	0	0	NM_016883	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 (Psmd10), mRNA.	Mme-M200003526	ILMN_1239384	0	0
69077	Psmd11	0.164	0.094	0.151	0	0	0	0	0	0	NM_178616	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (Psmd11), mRNA.	Mme-M300001584	ILMN_2888116	0	0
66997	Psmd12	0.114	0.168	0.112	0	0	0	0	0	0	NM_025894	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 (Psmd12), mRNA.	Mme-M200004186	ILMN_1216211	0	0
23997	Psmd13	0.228	0.019	-0.141	0	0	0	0	0	0	NM_011875	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 (Psmd13), mRNA.	Mme-M200006641	ILMN_2686644	0	0
59029	Psmd14	-0.081	0.102	0.104	0	0	0	0	0	0	NM_021526	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14 (Psmd14), mRNA.	Mme-M200005758	ILMN_2933914	0	0
21762	Psmd2	0.034	0.123	-0.134	0	0	0	0	0	0	NM_134101	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 (Psmd2), mRNA.	Mme-M300000870	ILMN_2741950	0	0
19185	Psmd4	0.130	-0.011	-0.023	0	0	0	0	0	0	NM_008951	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (Psmd4), mRNA.	Mme-M300000703	ILMN_1228630	0	0
66998	Psmd5	-0.141	0.086	0.059	0	0	0	0	0	0	NM_080554	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 (Psmd5), mRNA.	Mme-M300005364	ILMN_2672798	0	0
66413	Psmd6	0.203	0.041	0.090	0	0	0	0	0	0	NM_025550	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6 (Psmd6), mRNA.	Mme-M200005618	ILMN_1241910	0	0
17463	Psmd7	-0.093	0.145	-0.050	0	0	0	0	0	0	NM_010817	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Psmd7), mRNA.	Mme-M300011920	ILMN_2630438	0	0
57296	Psmd8	0.289	-0.101	0.022	0	0	0	0	0	0	NM_026545	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 (Psmd8), mRNA.	Mme-M200007825	ILMN_2678019	0	0
67151	Psmd9	0.365	-0.009	-0.078	0	0	0	0	0	0	NM_026000	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9 (Psmd9), mRNA.	Mme-M200006912	ILMN_2594811	0	0
19186	Psme1	0.624	0.542	0.359	0	1	1	0	0	0	NM_011189	proteasome (prosome, macropain) 28 subunit, alpha (Psme1), mRNA.	Mme-M400000550	ILMN_2986309	0	0
19188	Psme2	0.706	0.223	0.077	1	0	0	0	0	0	NM_011190	proteasome (prosome, macropain) 28 subunit, beta (Psme2), transcript variant 1, mRNA.	Mme-M200000221	ILMN_2731057	0	0
19192	Psme3	0.169	0.125	0.028	0	0	0	0	0	0	NM_011192	proteaseome (prosome, macropain) 28 subunit, 3 (Psme3), mRNA.	Mme-M200000815	ILMN_2729718	0	0
103554	Psme4	0.312	-0.263	0.340	0	0	1	0	0	0	NM_134013	proteasome (prosome, macropain) activator subunit 4 (Psme4), mRNA.	Mme-M300012906	ILMN_1230087	0	0
228769	Psmf1	0.008	-0.092	-0.098	0	0	0	0	0	0	NM_212446	proteasome (prosome, macropain) inhibitor subunit 1 (Psmf1), mRNA.	Mme-M300008487	ILMN_1233929	0	0
56088	Psmg1	0.226	-0.038	-0.231	0	0	0	0	0	0	NM_019537	proteasome (prosome, macropain) assembly chaperone 1 (Psmg1), mRNA.	Mme-M200005683	ILMN_2874662	0	0
107047	Psmg2	-0.004	-0.138	-0.139	0	0	0	0	0	0	NM_134138	proteasome (prosome, macropain) assembly chaperone 2 (Psmg2), mRNA.	Mme-M200008350	ILMN_3074516	0	0
66506	Psmg3	0.196	0.051	-0.009	0	0	0	0	0	0	NM_025604	proteasome (prosome, macropain) assembly chaperone 3 (Psmg3), mRNA.	Mme-M200006308	ILMN_2695599	0	0
69666	Psmg4	0.367	0.005	0.089	0	0	0	0	0	0	NM_001110515	proteasome (prosome, macropain) assembly chaperone 4 (Psmg4), transcript variant 1, mRNA.	Mme-M300021401	ILMN_1223369	0	0
57390	Psors1c2	0.163	0.014	0.004	0	0	0	0	0	0	NM_020576	psoriasis susceptibility 1 candidate 2 (human) (Psors1c2), mRNA.	Mme-M200007513	ILMN_1236058	0	0
66645	Pspc1	0.248	0.011	-0.057	0	0	0	0	0	0	NM_025682	paraspeckle protein 1 (Pspc1), mRNA.	Mme-M200003815	ILMN_1238688	0	0
100678	Psph	0.025	0.064	-0.086	0	0	0	0	0	0	NM_133900	phosphoserine phosphatase (Psph), mRNA.	Mme-M300006683	ILMN_2624497	0	0
19197	Pspn	-0.077	0.093	0.048	0	0	0	0	0	0	NM_008954	persephin (Pspn), mRNA.	Mme-M200015731	ILMN_2773560	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56742	Psrc1	-0.009	0.021	0.020	0	0	0	0	0	0	NM_019976	proline/serine-rich coiled-coil 1 (Psrc1), mRNA.	Mme-M400011350	ILMN_2692441	0	0
214580	Pstk	0.139	0.045	-0.027	0	0	0	0	0	0	NM_001039534	phosphoseryl-tRNA kinase (Pstk), mRNA.	Mme-M300016933	ILMN_2591908	0	0
19200	Pstpip1	-0.257	0.325	-0.016	0	0	0	0	0	0	NM_011193	proline-serine-threonine phosphatase-interacting protein 1 (Pstpip1), mRNA.	Mme-M200000954	ILMN_2665666	0	0
19201	Pstpip2	0.056	-0.175	-0.017	0	0	0	0	0	0	NM_013831	proline-serine-threonine phosphatase-interacting protein 2 (Pstpip2), mRNA.	Mme-M200014951	ILMN_2722513	0	0
19204	Ptafr	-0.052	0.112	-0.033	0	0	0	0	0	0	NM_001081211	platelet-activating factor receptor (Ptafr), mRNA.	Mme-M400005539	ILMN_2769521	0	0
72351	Ptar1	0.012	-0.037	-0.017	0	0	0	0	0	0	XM_001477013	PREDICTED: protein prenyltransferase alpha subunit repeat containing 1 (Ptar1), mRNA.	Mme-M200012551	ILMN_1224384	0	0
19205	Ptbp1	0.346	0.256	-0.160	0	0	0	0	0	0	NM_008956	polypyrimidine tract binding protein 1 (Ptbp1), transcript variant 2, mRNA.	Mme-M300000817	ILMN_1224003	0	0
56195	Ptbp2	0.000	-0.110	0.068	0	0	0	0	0	0	NM_019550	polypyrimidine tract binding protein 2 (Ptbp2), mRNA.	Mme-M200006751	ILMN_2672379	0	0
230257	Ptbp3	0.155	0.053	0.101	0	0	0	0	0	0	NM_178164	ROD1 regulator of differentiation 1 (S. pombe) (Rod1), transcript variant 2, mRNA.	Mme-M200004158	ILMN_1257327	0	0
68927	Ptcd2	0.068	0.161	-0.116	0	0	0	0	0	0	NM_026873	pentatricopeptide repeat domain 2 (Ptcd2), mRNA.	Mme-M300002875	ILMN_2618795	0	0
69956	Ptcd3	0.252	0.010	0.034	0	0	0	0	0	0	NM_027275	pentatricopeptide repeat domain 3 (Ptcd3), mRNA.	Mme-M400008457	ILMN_1228040	0	0
19206	Ptch1	-0.072	-0.031	-0.020	0	0	0	0	0	0	NM_008957	patched homolog 1 (Ptch1), mRNA.	Mme-M200014919	ILMN_1248463	0	0
19207	Ptch2	-0.084	0.077	0.003	0	0	0	0	0	0	NM_008958	patched homolog 2 (Ptch2), mRNA.	Mme-M200006050	ILMN_2728710	0	0
211612	Ptchd1	0.113	0.012	0.237	0	0	0	0	0	0	NM_001093750	patched domain containing 1 (Ptchd1), mRNA.	Mme-M300013218	ILMN_2720158	0	0
242748	Ptchd2	-0.192	0.164	-0.105	0	0	0	0	0	0	NM_001083342	patched domain containing 2 (Ptchd2), mRNA.	Mme-M300013212	ILMN_1221811	0	0
74675	Ptchd3	-0.011	0.023	-0.039	0	0	0	0	0	0	XM_109751	PREDICTED: patched domain containing 3 (Ptchd3), mRNA.	Mme-M200015080	ILMN_1226854	0	0
627626	Ptchd4	-0.255	-0.021	0.022	0	0	0	0	0	0	XM_001478233	PREDICTED: similar to CG11212-PA (LOC627626), mRNA.	Mme-M400002603	ILMN_1227784	0	0
19208	Ptcra	-0.397	0.017	-0.058	0	0	0	0	0	0	NM_011195	pre T-cell antigen receptor alpha (Ptcra), mRNA.	Mme-M400001933	ILMN_1254670	0	0
19210	Ptdss1	-0.121	-0.003	0.047	0	0	0	0	0	0	NM_008959	phosphatidylserine synthase 1 (Ptdss1), mRNA.	Mme-M300002801	ILMN_2745130	0	0
27388	Ptdss2	0.006	-0.141	-0.006	0	0	0	0	0	0	NM_013782	phosphatidylserine synthase 2 (Ptdss2), mRNA.	Mme-M300004663	ILMN_1236683	0	0
19211	Pten	0.160	-0.347	0.158	0	0	0	0	0	0	NM_008960	phosphatase and tensin homolog (Pten), mRNA.	Mme-M400018778	ILMN_2594450	0	0
19212	Pter	-0.271	-0.110	-0.009	0	0	0	0	0	0	NM_008961	phosphotriesterase related (Pter), mRNA.	Mme-M400006351	ILMN_2618396	0	0
19213	Ptf1a	0.298	0.022	0.085	0	0	0	0	0	0	NM_018809	pancreas specific transcription factor, 1a (Ptf1a), mRNA.	Mme-M300005258	ILMN_2917074	0	0
19214	Ptgdr	-0.253	0.070	0.018	0	0	0	0	0	0	NM_008962	prostaglandin D receptor (Ptgdr), mRNA.	Mme-M200002152	ILMN_1252996	0	0
14764	Ptgdr2	0.073	0.020	0.029	0	0	0	0	0	0	NM_009962	G protein-coupled receptor 44 (Gpr44), mRNA.	Mme-M200014849	ILMN_1234360	0	0
19215	Ptgds	-0.357	-0.346	0.132	0	0	0	0	0	0	NM_008963	prostaglandin D2 synthase (brain) (Ptgds), mRNA.	Mme-M200000369	ILMN_1248316	0	0
19217	Ptger2	0.098	-0.006	-0.073	0	0	0	0	0	0	NM_008964	prostaglandin E receptor 2 (subtype EP2) (Ptger2), mRNA.	Mme-M200001849	ILMN_2812759	0	0
19218	Ptger3	-0.111	-0.123	0.114	0	0	0	0	0	0	NM_011196	prostaglandin E receptor 3 (subtype EP3) (Ptger3), mRNA.	Mme-M300012489	ILMN_2770866	0	0
64292	Ptges	-0.174	0.165	-0.076	0	0	0	0	0	0	NM_022415	prostaglandin E synthase (Ptges), mRNA.	Mme-M300021408	ILMN_2786442	0	0
96979	Ptges2	0.027	-0.187	0.024	0	0	0	0	0	0	NM_133783	prostaglandin E synthase 2 (Ptges2), mRNA.	Mme-M200005811	ILMN_2639527	0	0
56351	Ptges3	0.140	0.136	0.163	0	0	0	0	0	0	NM_019766	prostaglandin E synthase 3 (cytosolic) (Ptges3), mRNA.	Mme-M300012510	ILMN_2674720	0	0
73635	Ptges3l	0.164	0.204	-0.063	0	0	0	0	0	0	NM_026865	RIKEN cDNA 1700113J22 gene (1700113J22Rik), mRNA.	Mme-M200016072	ILMN_2596569	0	0
19220	Ptgfr	-0.062	-0.101	-0.071	0	0	0	0	0	0	NM_008966	prostaglandin F receptor (Ptgfr), mRNA.	Mme-M200001623	ILMN_2745394	0	0
19221	Ptgfrn	0.208	0.098	0.022	0	0	0	0	0	0	NM_011197	prostaglandin F2 receptor negative regulator (Ptgfrn), mRNA.	Mme-M200002628	ILMN_2616452	0	0
19222	Ptgir	-0.103	-0.004	-0.126	0	0	0	0	0	0	NM_008967	prostaglandin I receptor (IP) (Ptgir), mRNA.	Mme-M300014105	ILMN_2843394	0	0
19223	Ptgis	0.297	-0.260	-0.116	0	0	0	0	0	0	NM_008968	prostaglandin I2 (prostacyclin) synthase (Ptgis), mRNA.	Mme-M200000882	ILMN_2724942	0	0
67103	Ptgr1	0.143	-0.071	-0.073	0	0	0	0	0	0	NM_025968	leukotriene B4 12-hydroxydehydrogenase (Ltb4dh), mRNA.	Mme-M200007590	ILMN_2645935	0	0
77219	Ptgr2	0.215	-0.071	-0.041	0	0	0	0	0	0	NM_029880	zinc binding alcohol dehydrogenase, domain containing 1 (Zadh1), mRNA.	Mme-M300002639	ILMN_2476885	0	0
19224	Ptgs1	0.125	0.193	0.204	0	0	0	0	0	0	NM_008969	prostaglandin-endoperoxide synthase 1 (Ptgs1), mRNA.	Mme-M300018104	ILMN_1239239	0	0
19225	Ptgs2	-0.145	0.122	-0.031	0	0	0	0	0	0	NM_011198	prostaglandin-endoperoxide synthase 2 (Ptgs2), mRNA.	Mme-M300008277	ILMN_2717913	0	0
19226	Pth	-0.194	0.010	0.067	0	0	0	0	0	0	NM_020623	parathyroid hormone (Pth), mRNA.	Mme-M200009465	ILMN_2786030	0	0
19228	Pth1r	-0.012	-0.242	-0.121	0	0	0	0	0	0	NM_001083935	parathyroid hormone receptor 1 (Pthr1), transcript variant 2, mRNA.	Mme-M200001390	ILMN_2850309	0	0
114640	Pth2	0.094	-0.447	-0.046	0	-1	0	0	0	0	NM_053256	parathyroid hormone 2 (Pth2), mRNA.	Mme-M200013174	ILMN_2965773	0	0
213527	Pth2r	-0.032	-0.006	0.005	0	0	0	0	0	0	NM_139270	parathyroid hormone 2 receptor (Pth2r), mRNA.	Mme-M300004857	ILMN_1247761	0	0
14083	Ptk2	0.015	0.078	-0.123	0	0	0	0	0	0	NM_007982	PTK2 protein tyrosine kinase 2 (Ptk2), mRNA.	Mme-M300003403	ILMN_2615901	0	0
19229	Ptk2b	0.137	0.577	-0.039	0	1	0	0	1	0	NM_172498	PTK2 protein tyrosine kinase 2 beta (Ptk2b), mRNA.	Mme-M300003077	ILMN_1230007	1	0
20459	Ptk6	0.008	-0.066	-0.138	0	0	0	0	0	0	NM_009184	PTK6 protein tyrosine kinase 6 (Ptk6), mRNA.	Mme-M200001774	ILMN_1242418	0	0
71461	Ptk7	-0.263	0.027	-0.029	0	0	0	0	0	0	NM_175168	PTK7 protein tyrosine kinase 7 (Ptk7), mRNA.	Mme-M400000709	ILMN_1250588	0	0
19231	Ptma	0.238	-0.241	0.193	0	0	0	0	0	0	NM_008972	prothymosin alpha (Ptma), mRNA.	Mme-M400010872	ILMN_2755660	0	0
69202	Ptms	0.111	0.133	0.019	0	0	0	0	0	0	NM_026988	parathymosin (Ptms), mRNA.	Mme-M300007014	ILMN_2918838	0	0
19242	Ptn	-0.269	0.054	0.117	0	0	0	0	0	0	NM_008973	pleiotrophin (Ptn), mRNA.	Mme-M200001169	ILMN_2638114	0	0
19243	Ptp4a1	0.318	-0.065	-0.162	0	0	0	0	0	0	NM_011200	protein tyrosine phosphatase 4a1 (Ptp4a1), mRNA.	Mme-M300020021	ILMN_1223414	0	0
19244	Ptp4a2	0.070	-0.178	-0.129	0	0	0	0	0	0	NM_008974	protein tyrosine phosphatase 4a2 (Ptp4a2), mRNA.	Mme-M200002348	ILMN_1243291	0	0
19245	Ptp4a3	0.504	0.292	0.021	0	0	0	0	0	0	NM_008975	protein tyrosine phosphatase 4a3 (Ptp4a3), mRNA.	Mme-M300003402	ILMN_1226848	0	0
218232	Ptpdc1	0.065	-0.176	0.110	0	0	0	0	0	0	NM_207232	protein tyrosine phosphatase domain containing 1 (Ptpdc1), mRNA.	Mme-M300011304	ILMN_2805624	0	0
30963	Ptpla	0.146	-0.081	0.116	0	0	0	0	0	0	NM_013935	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a (Ptpla), transcript variant 1, r	Mme-M200006072	ILMN_2734712	0	0
66461	Ptpmt1	0.092	-0.052	0.085	0	0	0	0	0	0	NM_025576	protein tyrosine phosphatase, mitochondrial 1 (Ptpmt1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004727	ILMN_2602406	0	0
19246	Ptpn1	0.359	0.108	-0.025	0	0	0	0	0	0	NM_011201	protein tyrosine phosphatase, non-receptor type 1 (Ptpn1), mRNA.	Mme-M200001019	ILMN_1222917	0	0
19247	Ptpn11	-0.034	0.241	-0.104	0	0	0	0	0	0	NM_001109992	protein tyrosine phosphatase, non-receptor type 11 (Ptpn11), transcript variant 2, mRNA.	Mme-M200002731	ILMN_2743723	0	0
19248	Ptpn12	-0.024	-0.175	0.250	0	0	0	0	0	0	NM_011203	protein tyrosine phosphatase, non-receptor type 12 (Ptpn12), mRNA.	Mme-M200000602	ILMN_2759945	0	0
19249	Ptpn13	-0.112	0.009	0.055	0	0	0	0	0	0	NM_011204	protein tyrosine phosphatase, non-receptor type 13 (Ptpn13), mRNA.	Mme-M400001716	ILMN_2761152	0	0
19250	Ptpn14	-0.309	0.153	-0.122	0	0	0	0	0	0	NM_008976	protein tyrosine phosphatase, non-receptor type 14 (Ptpn14), mRNA.	Mme-M300005196	ILMN_2510920	0	0
19253	Ptpn18	0.083	0.163	0.164	0	0	0	0	0	0	NM_011206	protein tyrosine phosphatase, non-receptor type 18 (Ptpn18), mRNA.	Mme-M400000896	ILMN_2821460	0	0
19255	Ptpn2	0.154	0.041	0.043	0	0	0	0	0	0	NM_008977	protein tyrosine phosphatase, non-receptor type 2 (Ptpn2), mRNA.	Mme-M200000357	ILMN_1212685	0	0
19256	Ptpn20	-0.183	0.015	0.011	0	0	0	0	0	0	NM_008978	protein tyrosine phosphatase, non-receptor type 20 (Ptpn20), mRNA.	Mme-M200002643	ILMN_2751150	0	0
24000	Ptpn21	0.066	0.275	-0.024	0	0	0	0	0	0	NM_011877	protein tyrosine phosphatase, non-receptor type 21 (Ptpn21), mRNA.	Mme-M300002509	ILMN_1222733	0	0
19260	Ptpn22	0.175	0.360	0.225	0	0	0	0	0	0	NM_008979	protein tyrosine phosphatase, non-receptor type 22 (lymphoid) (Ptpn22), mRNA.	Mme-M200000147	ILMN_1220975	0	0
104831	Ptpn23	0.176	0.101	-0.046	0	0	0	0	0	0	NM_001081043	protein tyrosine phosphatase, non-receptor type 23 (Ptpn23), mRNA.	Mme-M200015711	ILMN_2685166	0	0
545622	Ptpn3	-0.196	0.100	-0.023	0	0	0	0	0	0	NM_011207	protein tyrosine phosphatase, non-receptor type 3 (Ptpn3), mRNA.	Mme-M400002188	ILMN_1242945	0	0
19258	Ptpn4	0.310	0.078	0.010	0	0	0	0	0	0	NM_019933	protein tyrosine phosphatase, non-receptor type 4 (Ptpn4), mRNA.	Mme-M200015719	ILMN_2727712	0	0
19259	Ptpn5	0.566	0.087	0.062	0	0	0	0	0	0	NM_013643	protein tyrosine phosphatase, non-receptor type 5 (Ptpn5), mRNA.	Mme-M200001866	ILMN_1217804	0	0
15170	Ptpn6	0.322	0.522	0.196	0	1	0	0	0	0	NM_013545	protein tyrosine phosphatase, non-receptor type 6 (Ptpn6), transcript variant 1, mRNA.	Mme-M200000607	ILMN_1220996	0	0
320139	Ptpn7	0.004	0.004	-0.034	0	0	0	0	0	0	NM_177081	protein tyrosine phosphatase, non-receptor type 7 (Ptpn7), mRNA.	Mme-M300013444	ILMN_1235056	0	0
56294	Ptpn9	0.159	0.077	-0.120	0	0	0	0	0	0	NM_019651	protein tyrosine phosphatase, non-receptor type 9 (Ptpn9), mRNA.	Mme-M200002410	ILMN_2776413	0	0
19262	Ptpra	0.203	-0.072	-0.027	0	0	0	0	0	0	NM_008980	protein tyrosine phosphatase, receptor type, A (Ptpra), mRNA.	Mme-M200000206	ILMN_2607022	0	0
19263	Ptprb	0.333	-0.410	-0.029	0	0	0	0	0	0	NM_029928	protein tyrosine phosphatase, receptor type, B (Ptprb), mRNA.	Mme-M200011332	ILMN_2591731	0	0
19264	Ptprc	0.167	0.154	0.274	0	0	0	0	0	0	NM_011210	protein tyrosine phosphatase, receptor type, C (Ptprc), transcript variant 2, mRNA.	Mme-M200009499	ILMN_2671984	0	0
19265	Ptprcap	-0.042	0.343	0.003	0	0	0	0	0	0	NM_016933	protein tyrosine phosphatase, receptor type, C polypeptide-associated protein (Ptprcap), mRNA.	Mme-M200013567	ILMN_2652719	0	0
19266	Ptprd	0.649	-0.079	0.140	0	0	0	0	0	0	NM_001014288	protein tyrosine phosphatase, receptor type, D (Ptprd), transcript variant a, mRNA.	Mme-M300006077	ILMN_3103904	0	0
19267	Ptpre	0.054	-0.091	-0.159	0	0	0	0	0	0	NM_011212	protein tyrosine phosphatase, receptor type, E (Ptpre), mRNA.	Mme-M200000342	ILMN_1254630	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19268	Ptprf	-0.068	0.015	-0.176	0	0	0	0	0	0	NM_011213	protein tyrosine phosphatase, receptor type, F (Ptprf), mRNA.	Mme-M300008695	ILMN_2662690	0	0
19270	Ptprg	-0.162	0.051	-0.040	0	0	0	0	0	0	NM_008981	protein tyrosine phosphatase, receptor type, G (Ptprg), mRNA.	Mme-M200002760	ILMN_1242925	0	0
545902	Ptprh	-0.298	-0.059	-0.059	0	0	0	0	0	0	NM_207270	protein tyrosine phosphatase, receptor type, H (Ptprh), mRNA.	Mme-M400001807	ILMN_1253963	0	0
19272	Ptprk	0.089	-0.228	-0.246	0	0	0	0	0	0	NM_008983	protein tyrosine phosphatase, receptor type, K (Ptprk), mRNA.	Mme-M400000343	ILMN_2879600	0	0
19274	Ptprm	-0.172	0.089	0.004	0	0	0	0	0	0	NM_008984	protein tyrosine phosphatase, receptor type, M (Ptprm), mRNA.	Mme-M400001541	ILMN_2875876	0	0
19275	Ptprn	-0.031	0.151	-0.040	0	0	0	0	0	0	NM_008985	protein tyrosine phosphatase, receptor type, N (Ptprn), mRNA.	Mme-M400000901	ILMN_1245627	0	0
19276	Ptprn2	0.321	0.082	0.003	0	0	0	0	0	0	NM_011215	protein tyrosine phosphatase, receptor type, N polypeptide 2 (Ptprn2), mRNA.	Mme-M400005543	ILMN_1227939	0	0
19277	Ptpro	0.011	0.454	0.143	0	1	0	0	0	0	NM_011216	protein tyrosine phosphatase, receptor type, O (Ptpro), mRNA.	Mme-M300007079	ILMN_1213978	0	0
237523	Ptprq	-0.226	0.054	0.059	0	0	0	0	0	0	NM_001081432	protein tyrosine phosphatase, receptor type, Q (Ptprq), mRNA.	Mme-M400008323	ILMN_3077866	0	0
19279	Ptprr	-0.137	0.079	-0.065	0	0	0	0	0	0	NM_011217	protein tyrosine phosphatase, receptor type, R (Ptprr), mRNA.	Mme-M200001445	ILMN_2924500	0	0
19280	Ptprs	-0.113	-0.161	-0.112	0	0	0	0	0	0	NM_011218	protein tyrosine phosphatase, receptor type, S (Ptprs), mRNA.	Mme-M200001645	ILMN_3009685	0	0
19281	Ptprt	-0.161	-0.242	-0.122	0	0	0	0	0	0	NM_021464	protein tyrosine phosphatase, receptor type, T (Ptprt), mRNA.	Mme-M300005629	ILMN_1239565	0	0
19273	Ptpru	0.251	0.079	0.048	0	0	0	0	0	0	NM_011214	protein tyrosine phosphatase, receptor type, U (Ptpru), transcript variant 1, mRNA.	Mme-M300006363	ILMN_2770076	0	0
13924	Ptprv	-0.286	0.297	-0.034	0	0	0	0	0	0	NM_007955	protein tyrosine phosphatase, receptor type, V (Ptprv), mRNA.	Mme-M400000929	ILMN_2625197	0	0
19283	Ptprz1	-0.140	0.176	0.323	0	0	1	0	0	0	NM_001081306	protein tyrosine phosphatase, receptor type Z, polypeptide 1 (Ptprz1), mRNA.	Mme-M400015798	ILMN_1259579	0	0
19285	Ptrf	-0.184	0.053	0.123	0	0	0	0	0	0	NM_008986	polymerase I and transcript release factor (Ptrf), mRNA.	Mme-M200002635	ILMN_2498471	0	0
329384	Ptrh1	0.052	-0.026	-0.094	0	0	0	0	0	0	NM_178595	peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) (Ptrh1), mRNA.	Mme-M400004572	ILMN_2812645	0	0
217057	Ptrh2	0.102	-0.168	0.048	0	0	0	0	0	0	NM_001098810	peptidyl-tRNA hydrolase 2 (Ptrh2), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.	Mme-M300019552	ILMN_1238213	0	0
69709	Ptrhd1	0.068	-0.075	0.061	0	0	0	0	0	0	XR_001632	PREDICTED: RIKEN cDNA 2410017P09 gene (2410017P09Rik), misc RNA.	Mme-M300016267	ILMN_2484723	0	0
19286	Pts	0.202	-0.074	0.150	0	0	0	0	0	0	NM_011220	6-pyruvoyl-tetrahydropterin synthase (Pts), mRNA.	Mme-M300008054	ILMN_2848548	0	0
30939	Pttg1	-0.196	0.012	0.011	0	0	0	0	0	0	NM_013917	pituitary tumor-transforming 1 (Pttg1), mRNA.	Mme-M300002172	ILMN_2809167	0	0
108705	Pttg1ip	0.247	0.046	0.033	0	0	0	0	0	0	NM_145925	pituitary tumor-transforming 1 interacting protein (Pttg1ip), mRNA.	Mme-M300001021	ILMN_2616309	0	0
19288	Ptx3	0.093	0.154	0.086	0	0	0	0	0	0	NM_008987	pentraxin related gene (Ptx3), mRNA.	Mme-M200001874	ILMN_2662803	0	0
68509	Ptx4	-0.059	0.083	0.011	0	0	0	0	0	0	XM_128459	PREDICTED: RIKEN cDNA 1110018H23 gene (1110018H23Rik), mRNA.	Mme-M200014627	ILMN_2633926	0	0
67959	Puf60	0.110	0.104	-0.102	0	0	0	0	0	0	NM_133691	poly-U binding splicing factor 60 (Puf60), transcript variant 2, mRNA.	Mme-M200006750	ILMN_1239698	0	0
80912	Pum1	0.337	-0.079	-0.151	0	0	0	0	0	0	NM_030722	pumilio 1 (Drosophila) (Pum1), mRNA.	Mme-M200007638	ILMN_1223937	0	0
80913	Pum2	0.248	-0.306	-0.136	0	0	0	0	0	0	NM_030723	pumilio 2 (Drosophila) (Pum2), mRNA.	Mme-M200003927	ILMN_2607160	0	0
19290	Pura	-0.312	-0.102	0.165	0	0	0	0	0	0	NM_008989	purine rich element binding protein A (Pura), mRNA.	Mme-M200000847	ILMN_1259943	0	0
19291	Purb	0.096	-0.115	0.008	0	0	0	0	0	0	NM_011221	purine rich element binding protein B (Purb), mRNA.	Mme-M400003585	ILMN_1247990	0	0
75029	Purg	-0.202	-0.117	0.124	0	0	0	0	0	0	NM_152821	purine-rich element binding protein G (Purg), transcript variant 1, mRNA.	Mme-M400009560	ILMN_2681936	0	0
56361	Pus1	0.020	-0.063	-0.162	0	0	0	0	0	0	NM_001025562	pseudouridine synthase 1 (Pus1), transcript variant 3, mRNA.	Mme-M200004662	ILMN_2705969	0	0
74467	Pus10	0.135	-0.098	0.127	0	0	0	0	0	0	NM_001033654	pseudouridylate synthase 10 (Pus10), transcript variant 2, mRNA.	Mme-M200013011	ILMN_1253031	0	0
67049	Pus3	0.133	-0.131	0.118	0	0	0	0	0	0	NM_023292	pseudouridine synthase 3 (Pus3), mRNA.	Mme-M200015997	ILMN_1227514	0	0
78697	Pus7	-0.158	0.104	0.177	0	0	0	0	0	0	NM_178403	pseudouridylate synthase 7 homolog (S. cerevisiae) (Pus7), mRNA.	Mme-M200015028	ILMN_2610309	0	0
78895	Pus7l	0.074	-0.058	0.006	0	0	0	0	0	0	NM_172437	pseudouridylate synthase 7 homolog (S. cerevisiae)-like (Pus7l), mRNA.	Mme-M200007545	ILMN_1252373	0	0
433813	Pusl1	-0.163	0.123	0.024	0	0	0	0	0	0	XM_001004412	PREDICTED: pseudouridylate synthase-like 1, transcript variant 7 (Pusl1), mRNA.	Mme-M300022178	ILMN_1260144	0	0
19293	Pvalb	0.597	0.390	-0.173	0	0	0	0	0	0	NM_013645	parvalbumin (Pvalb), mRNA.	Mme-M300000716	ILMN_1218223	0	0
52118	Pvr	0.209	0.125	0.193	0	0	0	0	0	0	NM_027514	poliovirus receptor (Pvr), mRNA.	Mme-M400002387	ILMN_2972585	0	0
58235	Pvrl1	-0.421	-0.077	-0.110	0	0	0	0	0	0	NM_021424	poliovirus receptor-related 1 (Pvrl1), mRNA.	Mme-M200009476	ILMN_2729692	0	0
19294	Pvrl2	-0.177	-0.160	-0.105	0	0	0	0	0	0	NM_008990	poliovirus receptor-related 2 (Pvrl2), mRNA.	Mme-M400007775	ILMN_2645493	0	0
58998	Pvrl3	0.005	-0.292	0.105	0	0	0	0	0	0	NM_021496	poliovirus receptor-related 3 (Pvrl3), transcript variant beta, mRNA.	Mme-M300003439	ILMN_3082864	0	0
19296	Pvt1	-0.165	0.138	0.034	0	0	0	0	0	0	NR_003368	plasmacytoma variant translocation 1 (Pvt1) on chromosome 15.	Mme-M400014634	ILMN_1237084	0	0
103136	Pwp1	-0.033	0.035	0.026	0	0	0	0	0	0	NM_133993	PWP1 homolog (S. cerevisiae) (Pwp1), mRNA.	Mme-M200003693	ILMN_2678502	0	0
110816	Pwp2	-0.208	0.121	-0.129	0	0	0	0	0	0	NM_029546	PWP2 periodic tryptophan protein homolog (yeast) (Pwp2), mRNA.	Mme-M400001503	ILMN_2831491	0	0
70802	Pwwp2a	0.042	-0.261	0.033	0	0	0	0	0	0	XM_001481283	PREDICTED: RIKEN cDNA 4631424J17 gene (4631424J17Rik), mRNA.	Mme-M400012735	ILMN_2588040	0	0
66895	Pxdc1	0.102	-0.146	0.010	0	0	0	0	0	0	NM_025831	RIKEN cDNA 1300014I06 gene (1300014I06Rik), mRNA.	Mme-M200006241	ILMN_1219591	0	0
19301	Pxmp2	0.187	0.058	0.041	0	0	0	0	0	0	NM_008993	peroxisomal membrane protein 2 (Pxmp2), mRNA.	Mme-M200004233	ILMN_1219748	0	0
59038	Pxmp4	0.012	-0.114	0.041	0	0	0	0	0	0	NM_021534	peroxisomal membrane protein 4 (Pxmp4), mRNA.	Mme-M200004970	ILMN_2688639	0	0
19303	Pxn	-0.022	0.242	0.072	0	0	0	0	0	0	NM_011223	paxillin (Pxn), transcript variant alpha, mRNA.	Mme-M400011113	ILMN_1225102	0	0
69307	Pxt1	0.030	0.070	0.006	0	0	0	0	0	0	NM_153390	peroxisomal, testis specific 1 (Pxt1), mRNA.	Mme-M300016338	ILMN_2663291	0	0
66824	Pycard	0.095	0.239	0.050	0	0	0	0	0	0	NM_023258	PYD and CARD domain containing (Pycard), mRNA.	Mme-M200004810	ILMN_2936476	0	0
69051	Pycr2	0.312	0.030	-0.257	0	0	0	0	0	0	NM_133705	pyrroline-5-carboxylate reductase family, member 2 (Pycr2), mRNA.	Mme-M200006458	ILMN_2998548	0	0
66194	Pycrl	0.102	0.012	-0.070	0	0	0	0	0	0	NM_025412	pyrroline-5-carboxylate reductase-like (Pycrl), mRNA.	Mme-M300003386	ILMN_1228613	0	0
100033459	Pydc3	-0.087	0.187	0.131	0	0	0	0	0	0	XR_035462	PREDICTED: RIKEN cDNA E430029J22 gene (E430029J22Rik), misc RNA.	Mme-M400007052	ILMN_2526938	0	0
623121	Pydc4	-0.138	-0.027	0.075	0	0	0	0	0	0	XM_001477431	PREDICTED: similar to Interferon-activatable protein 203 (Ifi-203) (Interferon-inducible protein p203) (LOC62312	Mme-M400008686	ILMN_1219896	0	0
110078	Pygb	-0.067	0.125	0.046	0	0	0	0	0	0	NM_153781	brain glycogen phosphorylase (Pygb), mRNA.	Mme-M300008577	ILMN_2747754	0	0
110095	Pygl	-0.329	0.082	0.102	0	0	0	0	0	0	NM_133198	liver glycogen phosphorylase (Pygl), mRNA.	Mme-M200006802	ILMN_2859847	0	0
19309	Pygm	1.537	0.534	-0.107	1	1	0	1	0	0	NM_011224	muscle glycogen phosphorylase (Pygm), mRNA.	Mme-M200005709	ILMN_1220498	1	0
72135	Pygo1	0.095	-0.206	0.024	0	0	0	0	0	0	NM_028116	pygopus 1 (Pygo1), mRNA.	Mme-M200009521	ILMN_2678967	0	0
68911	Pygo2	-0.029	-0.051	0.123	0	0	0	0	0	0	NM_026869	pygopus 2 (Pygo2), mRNA.	Mme-M300018652	ILMN_2609568	0	0
236312	Pyhin1	-0.239	-0.008	0.034	0	0	0	0	0	0	NM_175026	pyrin and HIN domain family, member 1 (Pyhin1), mRNA.	Mme-M400012277	ILMN_3083424	0	0
232491	Pyroxd1	0.046	-0.260	0.005	0	0	0	0	0	0	NM_183165	pyridine nucleotide-disulphide oxidoreductase domain 1 (Pyroxd1), mRNA.	Mme-M400002528	ILMN_2770585	0	0
66459	Pyurf	0.338	-0.216	-0.035	0	0	0	0	0	0	NM_025574	phosphatidylinositol glycan anchor biosynthesis, class Y (Pigy), mRNA.	Mme-M200014051	ILMN_2521182	0	0
217212	Pyy	-0.017	-0.014	-0.021	0	0	0	0	0	0	NM_145435	peptide YY (Pyy), mRNA.	Mme-M200014447	ILMN_1259546	0	0
11287	Pzp	0.008	0.015	0.068	0	0	0	0	0	0	NM_007376	pregnancy zone protein (Pzp), mRNA.	Mme-M200005673	ILMN_2688905	0	0
97541	Qars	0.307	0.183	-0.185	0	0	0	0	0	0	NM_133794	glutaminyl-tRNA synthetase (Qars), mRNA.	Mme-M300008343	ILMN_2989263	0	0
110391	Qdpr	0.082	0.058	0.072	0	0	0	0	0	0	NM_024236	quinoid dihydropteridine reductase (Qdpr), mRNA.	Mme-M200006894	ILMN_2699933	0	0
19317	Qk	0.098	0.055	0.003	0	0	0	0	0	0	NM_021881	quaking (Qk), mRNA.	Mme-M300011193	ILMN_1253485	0	0
70536	Qpct	0.341	0.208	-0.077	0	0	0	0	0	0	NM_027455	glutaminyl-peptide cyclotransferase (glutaminyl cyclase) (Qpct), mRNA.	Mme-M200014525	ILMN_2814865	0	0
67369	Qpctl	0.167	-0.103	-0.009	0	0	0	0	0	0	NM_026111	glutaminyl-peptide cyclotransferase-like (Qpctl), mRNA.	Mme-M200014320	ILMN_1222697	0	0
67375	Qprt	0.017	0.024	-0.017	0	0	0	0	0	0	NM_133686	quinolinate phosphoribosyltransferase (Qprt), mRNA.	Mme-M200005369	ILMN_2591754	0	0
227717	Qrfp	-0.249	-0.020	-0.066	0	0	0	0	0	0	NM_183424	pyroglutamylated RFamide peptide (Qrfp), mRNA.	Mme-M300014189	ILMN_2824999	0	0
229214	Qrfpr	-0.143	0.011	0.036	0	0	0	0	0	0	NM_198192	G protein-coupled receptor 103 (Gpr103), mRNA.	Mme-M300020735	ILMN_2717447	0	0
69232	Qrich1	0.187	0.271	0.079	0	0	0	0	0	0	NM_175143	glutamine-rich 1 (Qrich1), transcript variant 2, mRNA.	Mme-M200014565	ILMN_1256792	0	0
217341	Qrich2	-0.053	-0.076	0.095	0	0	0	0	0	0	NM_001033267	glutamine rich 2 (Qrich2), mRNA.	Mme-M400004044	ILMN_3058793	0	0
76563	Qrsl1	-0.020	-0.029	-0.120	0	0	0	0	0	0	NM_001081054	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 (Qrsl1), mRNA.	Mme-M200002278	ILMN_1214450	0	0
104009	Qsox1	-0.090	0.157	-0.096	0	0	0	0	0	0	NM_023268	quiescin Q6 sulfhydryl oxidase 1 (Qsox1), transcript variant 2, mRNA.	Mme-M200005395	ILMN_1239077	0	0
227638	Qsox2	0.266	0.081	0.032	0	0	0	0	0	0	NM_153559	quiescin Q6 sulfhydryl oxidase 2 (Qsox2), mRNA.	Mme-M300010332	ILMN_2673868	0	0
60507	Qtrt1	0.250	0.098	0.050	0	0	0	0	0	0	NM_021888	queuine tRNA-ribosyltransferase 1 (Qtrt1), mRNA.	Mme-M300000337	ILMN_1217927	0	0
106248	Qtrtd1	-0.070	0.059	-0.009	0	0	0	0	0	0	NM_029128	queuine tRNA-ribosyltransferase domain containing 1 (Qtrtd1), mRNA.	Mme-M200015107	ILMN_2657203	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
71843	R3hcc1	-0.010	-0.038	-0.091	0	0	0	0	0	0	XM_913986	PREDICTED: R3H domain and coiled-coil containing 1 (R3hcc1), mRNA.	Mme-M200005679	ILMN_2654276	0	0
52013	R3hcc1l	0.041	-0.008	-0.023	0	0	0	0	0	0	NM_177464	DNA segment, Chr 19, ERATO Doi 386, expressed (D19Ertd386e), mRNA.	Mme-M300004501	ILMN_1250916	0	0
226412	R3hdm1	0.418	-0.380	0.404	0	0	1	0	0	0	NM_181750	R3H domain 1 (binds single-stranded nucleic acids) (R3hdm1), mRNA.	Mme-M400000916	ILMN_2675914	0	0
71750	R3hdm2	0.213	-0.087	0.109	0	0	0	0	0	0	NM_027900	R3H domain containing 2 (R3hdm2), mRNA.	Mme-M200006437	ILMN_2690203	0	0
109284	R3hdm4	0.495	0.238	-0.175	0	0	0	0	0	0	NM_177994	RIKEN cDNA C030046I01 gene (C030046I01Rik), mRNA.	Mme-M300010087	ILMN_1244149	0	0
100043899	R3hdml	-0.005	-0.041	0.048	0	0	0	0	0	0	NM_001099331	novel SCP-like extracellular protein domain containing protein (LOC100043899), mRNA.	Mme-M400001787	ILMN_2527796	0	0
19324	Rab1	0.087	-0.335	-0.146	0	0	0	0	0	0	NM_008996	RAB1, member RAS oncogene family (Rab1), mRNA.	Mme-M400010875	ILMN_2764819	0	0
19325	Rab10	0.224	-0.128	0.236	0	0	0	0	0	0	NM_016676	RAB10, member RAS oncogene family (Rab10), mRNA.	Mme-M200011972	ILMN_2668608	0	0
53869	Rab11a	0.048	-0.003	-0.014	0	0	0	0	0	0	NM_017382	RAB11a, member RAS oncogene family (Rab11a), mRNA.	Mme-M200000553	ILMN_1230413	0	0
19326	Rab11b	0.071	-0.096	-0.176	0	0	0	0	0	0	NM_008997	RAB11B, member RAS oncogene family (Rab11b), mRNA.	Mme-M300000295	ILMN_1259068	0	0
75767	Rab11fip1	-0.193	0.025	-0.038	0	0	0	0	0	0	NM_001080813	RAB11 family interacting protein 1 (class I) (Rab11fip1), mRNA.	Mme-M200016027	ILMN_1221771	0	0
74998	Rab11fip2	-0.396	-0.082	0.126	0	0	0	0	0	0	NM_001033172	RAB11 family interacting protein 2 (class I) (Rab11fip2), mRNA.	Mme-M400017784	ILMN_2442732	0	0
215445	Rab11fip3	-0.152	0.156	-0.138	0	0	0	0	0	0	XM_923228	PREDICTED: RAB11 family interacting protein 3 (class II), transcript variant 17 (Rab11fip3), mRNA.	Mme-M300010729	ILMN_2638520	0	0
268451	Rab11fip4	0.063	-0.034	-0.048	0	0	0	0	0	0	NM_175543	RAB11 family interacting protein 4 (class II) (Rab11fip4), mRNA.	Mme-M300001595	ILMN_1259377	0	0
52055	Rab11fip5	-0.218	0.055	-0.080	0	0	0	0	0	0	NM_177466	RAB11 family interacting protein 5 (class I) (Rab11fip5), transcript variant 2, mRNA.	Mme-M300021993	ILMN_1216781	0	0
19328	Rab12	0.370	-0.127	0.146	0	0	0	0	0	0	NM_024448	RAB12, member RAS oncogene family (Rab12), mRNA.	Mme-M200004210	ILMN_1232851	0	0
68328	Rab13	0.299	0.212	0.092	0	0	0	0	0	0	NM_026677	RAB13, member RAS oncogene family (Rab13), mRNA.	Mme-M200015792	ILMN_2647792	0	0
68365	Rab14	0.149	-0.044	-0.023	0	0	0	0	0	0	NM_026697	RAB14, member RAS oncogene family (Rab14), mRNA.	Mme-M200015033	ILMN_2588572	0	0
104886	Rab15	-0.134	-0.047	-0.013	0	0	0	0	0	0	NM_134050	RAB15, member RAS oncogene family (Rab15), mRNA.	Mme-M300002534	ILMN_1217009	0	0
19329	Rab17	-0.236	-0.027	-0.057	0	0	0	0	0	0	NM_008998	RAB17, member RAS oncogene family (Rab17), mRNA.	Mme-M300005032	ILMN_2752489	0	0
19331	Rab19	-0.093	0.306	-0.106	0	0	0	0	0	0	NM_011226	RAB19, member RAS oncogene family (Rab19), mRNA.	Mme-M200008957	ILMN_2605960	0	0
76308	Rab1b	0.131	0.114	-0.113	0	0	0	0	0	0	NM_029576	RAB1B, member RAS oncogene family (Rab1b), mRNA.	Mme-M200012096	ILMN_2887208	0	0
19332	Rab20	0.009	-0.146	0.057	0	0	0	0	0	0	NM_011227	RAB20, member RAS oncogene family (Rab20), mRNA.	Mme-M300007749	ILMN_2764968	0	0
216344	Rab21	0.043	-0.067	0.019	0	0	0	0	0	0	NM_024454	RAB21, member RAS oncogene family (Rab21), mRNA.	Mme-M300002017	ILMN_2763867	0	0
19335	Rab23	0.158	-0.068	0.011	0	0	0	0	0	0	NM_008999	RAB23, member RAS oncogene family (Rab23), mRNA.	Mme-M400000095	ILMN_2687881	0	0
19336	Rab24	0.227	-0.147	0.150	0	0	0	0	0	0	NM_009000	RAB24, member RAS oncogene family (Rab24), mRNA.	Mme-M300009542	ILMN_2946440	0	0
53868	Rab25	-0.148	-0.335	-0.569	0	0	-1	0	0	-1	NM_016899	RAB25, member RAS oncogene family (Rab25), mRNA.	Mme-M400011272	ILMN_2776087	0	1
328778	Rab26	0.143	0.425	-0.055	0	1	0	0	0	0	XM_283428	PREDICTED: RAB26, member RAS oncogene family, transcript variant 1 (Rab26), mRNA.	Mme-M300003946	ILMN_2722058	0	0
11891	Rab27a	0.545	-0.097	0.018	0	0	0	0	0	0	NM_023635	RAB27A, member RAS oncogene family (Rab27a), mRNA.	Mme-M300008114	ILMN_2614966	0	0
80718	Rab27b	-0.111	-0.031	0.130	0	0	0	0	0	0	NM_001082553	RAB27b, member RAS oncogene family (Rab27b), transcript variant 2, mRNA.	Mme-M200016387	ILMN_1252678	0	0
100972	Rab28	0.229	-0.088	-0.117	0	0	0	0	0	0	NM_027295	RAB28, member RAS oncogene family (Rab28), mRNA.	Mme-M300006509	ILMN_1238517	0	0
226422	Rab29	0.238	-0.004	0.023	0	0	0	0	0	0	NM_144875	RAB7, member RAS oncogene family-like 1 (Rab7l1), mRNA.	Mme-M200007464	ILMN_2681186	0	0
59021	Rab2a	0.165	-0.151	0.024	0	0	0	0	0	0	NM_021518	RAB2A, member RAS oncogene family (Rab2a), mRNA.	Mme-M300018042	ILMN_1213883	0	0
76338	Rab2b	-0.222	-0.024	-0.050	0	0	0	0	0	0	NM_172601	RAB2B, member RAS oncogene family (Rab2b), mRNA.	Mme-M300003119	ILMN_1231955	0	0
75985	Rab30	-0.085	0.083	0.122	0	0	0	0	0	0	NM_029494	RAB30, member RAS oncogene family (Rab30), mRNA.	Mme-M400001303	ILMN_2720555	0	0
106572	Rab31	0.208	0.243	0.025	0	0	0	0	0	0	NM_133685	RAB31, member RAS oncogene family (Rab31), mRNA.	Mme-M200006411	ILMN_2665008	0	0
67844	Rab32	-0.046	0.374	0.308	0	0	1	0	0	0	NM_026405	RAB32, member RAS oncogene family (Rab32), mRNA.	Mme-M200007106	ILMN_1221274	0	0
19337	Rab33a	0.008	-0.015	-0.001	0	0	0	0	0	0	NM_011228	RAB33A, member of RAS oncogene family (Rab33a), mRNA.	Mme-M200000764	ILMN_3161828	0	0
19338	Rab33b	0.211	-0.043	-0.073	0	0	0	0	0	0	NM_016858	RAB33B, member of RAS oncogene family (Rab33b), mRNA.	Mme-M200000666	ILMN_1217599	0	0
19376	Rab34	0.254	-0.137	-0.098	0	0	0	0	0	0	NM_033475	RAB34, member of RAS oncogene family (Rab34), mRNA.	Mme-M200006240	ILMN_3102467	0	0
77407	Rab35	0.020	-0.113	0.078	0	0	0	0	0	0	NM_198163	RAB35, member RAS oncogene family (Rab35), mRNA.	Mme-M300006721	ILMN_2662097	0	0
76877	Rab36	-0.187	0.060	-0.178	0	0	0	0	0	0	NM_029781	RAB36, member RAS oncogene family (Rab36), mRNA.	Mme-M300002042	ILMN_1237019	0	0
58222	Rab37	-0.193	0.002	0.105	0	0	0	0	0	0	NM_021411	RAB37, member of RAS oncogene family (Rab37), mRNA.	Mme-M200009475	ILMN_2948286	0	0
72433	Rab38	-0.464	-0.129	0.084	0	0	0	0	0	0	NM_028238	Rab38, member of RAS oncogene family (Rab38), mRNA.	Mme-M200003565	ILMN_2652721	0	0
270160	Rab39	-0.061	-0.078	0.028	0	0	0	0	0	0	NM_175562	RAB39, member RAS oncogene family (Rab39), mRNA.	Mme-M400005034	ILMN_1226696	0	0
67790	Rab39b	-0.053	-0.054	0.100	0	0	0	0	0	0	NM_175122	RAB39B, member RAS oncogene family (Rab39b), mRNA.	Mme-M400001347	ILMN_1239735	0	0
19339	Rab3a	0.154	-0.064	0.024	0	0	0	0	0	0	NM_009001	RAB3A, member RAS oncogene family (Rab3a), mRNA.	Mme-M300007930	ILMN_2991912	0	0
69908	Rab3b	0.517	0.248	-0.041	0	0	0	0	0	0	NM_023537	RAB3B, member RAS oncogene family (Rab3b), mRNA.	Mme-M200016300	ILMN_1216073	0	0
67295	Rab3c	-0.116	0.001	-0.038	0	0	0	0	0	0	NM_023852	RAB3C, member RAS oncogene family (Rab3c), mRNA.	Mme-M300002901	ILMN_2747054	0	0
19340	Rab3d	-0.171	-0.089	-0.071	0	0	0	0	0	0	NM_031874	RAB3D, member RAS oncogene family (Rab3d), mRNA.	Mme-M200006752	ILMN_2588737	0	0
226407	Rab3gap1	0.102	-0.171	-0.093	0	0	0	0	0	0	NM_178690	RAB3 GTPase activating protein subunit 1 (Rab3gap1), mRNA.	Mme-M300010241	ILMN_2639579	0	0
98732	Rab3gap2	0.186	-0.059	-0.117	0	0	0	0	0	0	XM_980542	PREDICTED: RAB3 GTPase activating protein subunit 2, transcript variant 4 (Rab3gap2), mRNA.	Mme-M300012098	ILMN_1217055	0	0
74760	Rab3il1	-0.184	0.282	0.064	0	0	0	0	0	0	NM_144538	RAB3A interacting protein (rabin3)-like 1 (Rab3il1), mRNA.	Mme-M200004929	ILMN_1242474	0	0
216363	Rab3ip	0.038	-0.099	-0.148	0	0	0	0	0	0	NM_001003950	RAB3A interacting protein (Rab3ip), mRNA.	Mme-M300002032	ILMN_2626114	0	0
217371	Rab40b	-0.032	-0.012	-0.133	0	0	0	0	0	0	NM_139147	Rab40b, member RAS oncogene family (Rab40b), mRNA.	Mme-M300004500	ILMN_1217761	0	0
224624	Rab40c	0.141	-0.081	-0.173	0	0	0	0	0	0	NM_139154	Rab40c, member RAS oncogene family (Rab40c), mRNA.	Mme-M300004739	ILMN_2679513	0	0
242681	Rab42	-0.245	-0.147	-0.072	0	0	0	0	0	0	NM_001081651	RIKEN cDNA 9530096D07 gene (9530096D07Rik), mRNA.	Mme-M300012477	ILMN_2836540	0	0
69834	Rab43	-0.087	-0.130	0.158	0	0	0	0	0	0	NM_133717	RAB43, member RAS oncogene family (Rab43), transcript variant 2, mRNA.	Mme-M400009438	ILMN_1250910	0	0
442827	Rab44	-0.074	0.093	0.076	0	0	0	0	0	0	NM_001002786	RIKEN cDNA 9830134C10 gene (9830134C10Rik), mRNA.	Mme-M400008569	ILMN_3076909	0	0
19341	Rab4a	0.047	0.107	-0.147	0	0	0	0	0	0	NM_009003	RAB4A, member RAS oncogene family (Rab4a), mRNA.	Mme-M400000324	ILMN_1212902	0	0
19342	Rab4b	-0.028	0.047	-0.067	0	0	0	0	0	0	NM_029391	RAB4B, member RAS oncogene family (Rab4b), mRNA.	Mme-M300012709	ILMN_1249339	0	0
271457	Rab5a	0.208	-0.078	0.166	0	0	0	0	0	0	NM_025887	RAB5A, member RAS oncogene family (Rab5a), mRNA.	Mme-M200006204	ILMN_2786763	0	0
19344	Rab5b	-0.248	0.099	0.169	0	0	0	0	0	0	NM_011229	RAB5B, member RAS oncogene family (Rab5b), mRNA.	Mme-M200003133	ILMN_3163335	0	0
19345	Rab5c	0.158	0.154	0.155	0	0	0	0	0	0	NM_024456	RAB5C, member RAS oncogene family (Rab5c), mRNA.	Mme-M200006680	ILMN_1225414	0	0
19346	Rab6a	-0.146	-0.150	0.043	0	0	0	0	0	0	NM_024287	RAB6, member RAS oncogene family (Rab6), mRNA.	Mme-M300007367	ILMN_2825339	0	0
270192	Rab6b	-0.194	-0.021	-0.028	0	0	0	0	0	0	NM_173781	RAB6B, member RAS oncogene family (Rab6b), mRNA.	Mme-M300008310	ILMN_2761430	0	0
17274	Rab8a	-0.444	0.072	0.035	0	0	0	0	0	0	NM_023126	RAB8A, member RAS oncogene family (Rab8a), mRNA.	Mme-M300000369	ILMN_2928050	0	0
235442	Rab8b	-0.133	0.128	0.038	0	0	0	0	0	0	NM_173413	RAB8B, member RAS oncogene family (Rab8b), mRNA.	Mme-M400001956	ILMN_2588995	0	0
56382	Rab9	0.349	-0.154	0.106	0	0	0	0	0	0	NM_019773	RAB9, member RAS oncogene family (Rab9), mRNA.	Mme-M200005098	ILMN_1258125	0	0
319642	Rab9b	-0.300	-0.026	-0.032	0	0	0	0	0	0	NM_176971	RAB9B, member RAS oncogene family (Rab9b), mRNA.	Mme-M300014531	ILMN_2977871	0	0
14470	Rabac1	0.130	-0.022	-0.238	0	0	0	0	0	0	NM_010261	Rab acceptor 1 (prenylated) (Rabac1), mRNA.	Mme-M300000416	ILMN_1244857	0	0
54189	Rabep1	-0.028	-0.224	0.116	0	0	0	0	0	0	NM_019400	rabaptin, RAB GTPase binding effector protein 1 (Rabep1), mRNA.	Mme-M300002408	ILMN_2999748	0	0
70314	Rabep2	-0.233	-0.134	-0.163	0	0	0	0	0	0	NM_030566	rabaptin, RAB GTPase binding effector protein 2 (Rabep2), mRNA.	Mme-M200007750	ILMN_2599751	0	0
227746	Rabepk	0.102	-0.010	-0.064	0	0	0	0	0	0	NM_145522	Rab9 effector protein with kelch motifs (Rabepk), mRNA.	Mme-M200012915	ILMN_2602486	0	0
227800	Rabgap1	-0.047	-0.184	0.097	0	0	0	0	0	0	NM_001033960	RAB GTPase activating protein 1 (Rabgap1), transcript variant 2, mRNA.	Mme-M400009163	ILMN_2550794	0	0
29809	Rabgap1l	-0.185	-0.168	0.091	0	0	0	0	0	0	NM_001038621	RAB GTPase activating protein 1-like (Rabgap1l), transcript variant 2, mRNA.	Mme-M400008680	ILMN_1246950	0	0
56715	Rabgef1	0.171	0.036	-0.043	0	0	0	0	0	0	NM_019983	RAB guanine nucleotide exchange factor (GEF) 1 (Rabgef1), mRNA.	Mme-M200008430	ILMN_1226143	0	0
56187	Rabggta	0.024	0.006	-0.035	0	0	0	0	0	0	NM_019519	Rab geranylgeranyl transferase, a subunit (Rabggta), mRNA.	Mme-M300012684	ILMN_1245469	0	0
19352	Rabggtb	0.271	0.170	-0.204	0	0	0	0	0	0	NM_011231	RAB geranylgeranyl transferase, b subunit (Rabggtb), mRNA.	Mme-M400002215	ILMN_2589819	0	0
98710	Rabif	0.217	0.207	-0.118	0	0	0	0	0	0	NM_145510	RAB interacting factor (Rabif), mRNA.	Mme-M200012853	ILMN_2672997	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68708	Rabl2	0.049	0.116	-0.049	0	0	0	0	0	0	NM_026817	RAB, member of RAS oncogene family-like 2A (Rabl2a), mRNA.	Mme-M300003413	ILMN_2593578	0	0
67657	Rabl3	0.070	-0.079	0.078	0	0	0	0	0	0	NM_001042499	RAB, member of RAS oncogene family-like 3 (Rabl3), mRNA.	Mme-M300003535	ILMN_1216900	0	0
227624	Rabl6	0.079	0.052	-0.312	0	0	-1	0	0	0	NM_001024616	RIKEN cDNA B230208H17 gene (B230208H17Rik), mRNA.	Mme-M300001355	ILMN_1223447	0	0
19353	Rac1	0.094	0.033	-0.173	0	0	0	0	0	0	NM_009007	RAS-related C3 botulinum substrate 1 (Rac1), mRNA.	Mme-M200000316	ILMN_2659616	0	0
19354	Rac2	0.240	0.507	0.207	0	1	0	0	0	0	NM_009008	RAS-related C3 botulinum substrate 2 (Rac2), mRNA.	Mme-M200000747	ILMN_2600678	0	0
170758	Rac3	-0.018	-0.088	0.024	0	0	0	0	0	0	NM_133223	RAS-related C3 botulinum substrate 3 (Rac3), mRNA.	Mme-M200005502	ILMN_2696749	0	0
26934	Racgap1	0.448	-0.089	0.058	0	0	0	0	0	0	NM_012025	Rac GTPase-activating protein 1 (Racgap1), mRNA.	Mme-M200005435	ILMN_2774786	0	0
19355	Rad1	-0.177	0.075	0.075	0	0	0	0	0	0	NM_011232	RAD1 homolog (S. pombe) (Rad1), mRNA.	Mme-M200008058	ILMN_2671447	0	0
19356	Rad17	0.108	-0.067	-0.013	0	0	0	0	0	0	NM_001044371	RAD17 homolog (S. pombe) (Rad17), transcript variant 2, mRNA.	Mme-M200004023	ILMN_3104289	0	0
58186	Rad18	-0.022	-0.133	0.036	0	0	0	0	0	0	NM_021385	RAD18 homolog (S. cerevisiae) (Rad18), mRNA.	Mme-M200008657	ILMN_2652042	0	0
19357	Rad21	0.084	-0.041	0.041	0	0	0	0	0	0	NM_009009	RAD21 homolog (S. pombe) (Rad21), mRNA.	Mme-M300003209	ILMN_2612856	0	0
19358	Rad23a	-0.030	0.119	0.090	0	0	0	0	0	0	NM_009010	RAD23a homolog (S. cerevisiae) (Rad23a), mRNA.	Mme-M300000478	ILMN_2745692	0	0
19359	Rad23b	0.063	-0.139	0.146	0	0	0	0	0	0	NM_009011	RAD23b homolog (S. cerevisiae) (Rad23b), mRNA.	Mme-M200012782	ILMN_2796353	0	0
19360	Rad50	-0.131	-0.183	-0.013	0	0	0	0	0	0	NM_009012	RAD50 homolog (S. cerevisiae) (Rad50), mRNA.	Mme-M200002016	ILMN_2702087	0	0
19361	Rad51	0.218	0.065	0.057	0	0	0	0	0	0	NM_011234	RAD51 homolog (S. cerevisiae) (Rad51), mRNA.	Mme-M200000087	ILMN_2881050	0	0
19362	Rad51ap1	-0.196	0.038	-0.108	0	0	0	0	0	0	NM_009013	RAD51 associated protein 1 (Rad51ap1), mRNA.	Mme-M200013038	ILMN_2753226	0	0
19363	Rad51b	0.052	-0.050	0.188	0	0	0	0	0	0	NM_009014	RAD51-like 1 (S. cerevisiae) (Rad51l1), mRNA.	Mme-M400006622	ILMN_1241582	0	0
114714	Rad51c	0.098	-0.109	0.175	0	0	0	0	0	0	NM_053269	Rad51 homolog c (S. cerevisiae) (Rad51c), mRNA.	Mme-M200007936	ILMN_2491161	0	0
19364	Rad51d	-0.098	0.088	0.190	0	0	0	0	0	0	NM_011235	RAD51-like 3 (S. cerevisiae) (Rad51l3), mRNA.	Mme-M200002782	ILMN_2700533	0	0
19365	Rad52	0.078	0.060	-0.045	0	0	0	0	0	0	NM_011236	RAD52 homolog (S. cerevisiae) (Rad52), mRNA.	Mme-M200000052	ILMN_2693850	0	0
623474	Rad54b	0.100	-0.099	0.102	0	0	0	0	0	0	NM_001039556	RIKEN cDNA E130016E03 gene (E130016E03Rik), mRNA.	Mme-M300012797	ILMN_3161959	0	0
81000	Rad54l2	-0.054	-0.081	-0.113	0	0	0	0	0	0	NM_030730	Rad54 like 2 (S. cerevisiae) (Rad54l2), mRNA.	Mme-M300012792	ILMN_1223939	0	0
19367	Rad9a	-0.051	0.291	-0.090	0	0	0	0	0	0	NM_011237	RAD9 homolog (S. pombe) (Rad9), mRNA.	Mme-M200012232	ILMN_1237627	0	0
231724	Rad9b	-0.156	-0.103	-0.022	0	0	0	0	0	0	NM_144912	RAD9 homolog B (S. cerevisiae) (Rad9b), mRNA.	Mme-M200013393	ILMN_1225080	0	0
231858	Radil	-0.035	0.092	-0.004	0	0	0	0	0	0	NM_178702	RIKEN cDNA D930005D10 gene (D930005D10Rik), mRNA.	Mme-M300006748	ILMN_2717228	0	0
66679	Rae1	0.120	0.122	-0.038	0	0	0	0	0	0	NM_175112	RAE1 RNA export 1 homolog (S. pombe) (Rae1), mRNA.	Mme-M200001597	ILMN_2713130	0	0
19370	Raet1c	0.056	-0.041	-0.047	0	0	0	0	0	0	NM_009018	retinoic acid early transcript gamma (Raet1c), mRNA.	Mme-M400003582	ILMN_1227802	0	0
56554	Raet1d	-0.432	-0.029	0.089	0	0	0	0	0	0	NM_020030	retinoic acid early transcript delta (Raet1d), mRNA.	Mme-M400004391	ILMN_2680756	0	0
110157	Raf1	0.033	0.108	-0.082	0	0	0	0	0	0	NM_029780	v-raf-leukemia viral oncogene 1 (Raf1), mRNA.	Mme-M200004394	ILMN_2747229	0	0
19373	Rag1	-0.039	-0.016	0.129	0	0	0	0	0	0	NM_009019	recombination activating gene 1 (Rag1), mRNA.	Mme-M400007356	ILMN_1217622	0	0
19374	Rag2	-0.022	-0.032	-0.051	0	0	0	0	0	0	NM_009020	recombination activating gene 2 (Rag2), mRNA.	Mme-M200002076	ILMN_1245983	0	0
19377	Rai1	0.015	0.111	0.079	0	0	0	0	0	0	NM_001037764	retinoic acid induced 1 (Rai1), transcript variant 2, mRNA.	Mme-M400012702	ILMN_2698872	0	0
75646	Rai14	0.037	0.089	-0.073	0	0	0	0	0	0	NM_030690	retinoic acid induced 14 (Rai14), mRNA.	Mme-M200005349	ILMN_2621328	0	0
24004	Rai2	-0.139	0.006	0.000	0	0	0	0	0	0	NM_001103367	retinoic acid induced 2 (Rai2), transcript variant 2, mRNA.	Mme-M200002341	ILMN_1223520	0	0
56044	Rala	0.090	-0.086	0.138	0	0	0	0	0	0	NM_019491	v-ral simian leukemia viral oncogene homolog A (ras related) (Rala), mRNA.	Mme-M300000994	ILMN_2597481	0	0
64143	Ralb	0.090	0.021	0.032	0	0	0	0	0	0	NM_022327	v-ral simian leukemia viral oncogene homolog B (ras related) (Ralb), mRNA.	Mme-M300000556	ILMN_2620336	0	0
19765	Ralbp1	0.046	-0.086	0.059	0	0	0	0	0	0	NM_009067	ralA binding protein 1 (Ralbp1), mRNA.	Mme-M200003478	ILMN_1231228	0	0
228850	Ralgapb	-0.540	-0.144	-0.184	0	0	0	0	0	0	NM_177658	RIKEN cDNA B230339M05 gene (B230339M05Rik), mRNA.	Mme-M300005737	ILMN_1232379	0	0
19730	Ralgds	0.119	0.127	0.097	0	0	0	0	0	0	NM_009058	ral guanine nucleotide dissociation stimulator (Ralgds), mRNA.	Mme-M200002214	ILMN_2689119	0	0
241308	Ralgps1	0.206	-0.083	-0.096	0	0	0	0	0	0	NM_175211	Ral GEF with PH domain and SH3 binding motif 1 (Ralgps1), mRNA.	Mme-M300011794	ILMN_2802843	0	0
78255	Ralgps2	-0.094	-0.059	0.067	0	0	0	0	0	0	NM_023884	Ral GEF with PH domain and SH3 binding motif 2 (Ralgps2), mRNA.	Mme-M400008679	ILMN_2705139	0	0
76897	Ralyl	-0.075	-0.019	-0.038	0	0	0	0	0	0	NM_178631	RALY RNA binding protein-like (Ralyl), mRNA.	Mme-M300012328	ILMN_1236932	0	0
51801	Ramp1	0.749	0.257	0.095	1	0	0	0	0	0	NM_016894	receptor (calcitonin) activity modifying protein 1 (Ramp1), transcript variant 1, mRNA.	Mme-M200001264	ILMN_2734391	0	0
54409	Ramp2	0.219	-0.161	-0.012	0	0	0	0	0	0	NM_019444	receptor (calcitonin) activity modifying protein 2 (Ramp2), mRNA.	Mme-M200013489	ILMN_2661422	0	0
56089	Ramp3	0.059	0.154	-0.156	0	0	0	0	0	0	NM_019511	receptor (calcitonin) activity modifying protein 3 (Ramp3), mRNA.	Mme-M200008223	ILMN_2749052	0	0
19384	Ran	-0.035	0.112	0.110	0	0	0	0	0	0	NM_009391	RAN, member RAS oncogene family (Ran), mRNA.	Mme-M300006675	ILMN_2934457	0	0
19385	Ranbp1	0.058	-0.010	0.098	0	0	0	0	0	0	NM_011239	RAN binding protein 1 (Ranbp1), mRNA.	Mme-M200001437	ILMN_2598852	0	0
74334	Ranbp10	0.154	0.059	0.079	0	0	0	0	0	0	NM_145824	RAN binding protein 10 (Ranbp10), mRNA.	Mme-M200001637	ILMN_2605453	0	0
66011	Ranbp17	-0.056	-0.059	0.041	0	0	0	0	0	0	NM_023146	RAN binding protein 17 (Ranbp17), mRNA.	Mme-M200015297	ILMN_2876169	0	0
19386	Ranbp2	0.150	-0.042	-0.003	0	0	0	0	0	0	NM_011240	RAN binding protein 2 (Ranbp2), mRNA.	Mme-M300000386	ILMN_2692496	0	0
71810	Ranbp3	0.084	0.046	-0.048	0	0	0	0	0	0	NM_027933	RAN binding protein 3 (Ranbp3), mRNA.	Mme-M200006560	ILMN_2654003	0	0
223332	Ranbp3l	-0.341	-0.696	0.161	0	-1	0	0	-1	0	NM_198024	RAN binding protein 3-like (Ranbp3l), mRNA.	Mme-M300012335	ILMN_1256423	0	1
240614	Ranbp6	-0.105	0.064	0.139	0	0	0	0	0	0	NM_177721	RAN binding protein 6 (Ranbp6), mRNA.	Mme-M300016778	ILMN_2634985	0	0
56705	Ranbp9	0.098	-0.080	0.026	0	0	0	0	0	0	NM_019930	RAN binding protein 9 (Ranbp9), mRNA.	Mme-M200009568	ILMN_2689160	0	0
19387	Rangap1	-0.022	-0.074	-0.122	0	0	0	0	0	0	NM_011241	RAN GTPase activating protein 1 (Rangap1), mRNA.	Mme-M300003258	ILMN_2868997	0	0
57785	Rangrf	0.284	0.172	-0.178	0	0	0	0	0	0	NM_021329	RAN guanine nucleotide release factor (Rangrf), mRNA.	Mme-M300018350	ILMN_2707147	0	0
109905	Rap1a	-0.154	-0.062	0.036	0	0	0	0	0	0	NM_145541	RAS-related protein-1a (Rap1a), mRNA.	Mme-M400011902	ILMN_2735253	0	0
215449	Rap1b	0.358	0.041	0.171	0	0	0	0	0	0	NM_024457	RAS related protein 1b (Rap1b), mRNA.	Mme-M300002060	ILMN_1229741	0	0
110351	Rap1gap	0.105	0.219	-0.094	0	0	0	0	0	0	NM_001081155	Rap1 GTPase-activating protein (Rap1gap), mRNA.	Mme-M300013130	ILMN_1227577	0	0
380711	Rap1gap2	0.115	0.218	-0.142	0	0	0	0	0	0	NM_001015046	GTPase activating RANGAP domain-like 4 (Garnl4), mRNA.	Mme-M400002200	ILMN_2940713	0	0
229877	Rap1gds1	0.021	-0.047	-0.085	0	0	0	0	0	0	NM_145544	RAP1, GTP-GDP dissociation stimulator 1 (Rap1gds1), transcript variant 2, mRNA.	Mme-M200006217	ILMN_2770876	0	0
76108	Rap2a	0.014	0.022	-0.004	0	0	0	0	0	0	NM_029519	RAS related protein 2a (Rap2a), mRNA.	Mme-M300022233	ILMN_2624862	0	0
74012	Rap2b	0.283	0.155	-0.127	0	0	0	0	0	0	NM_028712	RAP2B, member of RAS oncogene family (Rap2b), mRNA.	Mme-M300010609	ILMN_1254179	0	0
72065	Rap2c	0.263	-0.145	0.120	0	0	0	0	0	0	NM_172413	RAP2C, member of RAS oncogene family (Rap2c), mRNA.	Mme-M300020738	ILMN_1249467	0	0
107746	Rapgef1	-0.021	0.201	0.098	0	0	0	0	0	0	NM_054050	Rap guanine nucleotide exchange factor (GEF) 1 (Rapgef1), transcript variant 3, mRNA.	Mme-M300019875	ILMN_3140516	0	0
223864	Rapgef3	-0.186	-0.032	0.012	0	0	0	0	0	0	NM_144850	Rap guanine nucleotide exchange factor (GEF) 3 (Rapgef3), mRNA.	Mme-M200004761	ILMN_1256335	0	0
56508	Rapgef4	-0.045	-0.050	0.027	0	0	0	0	0	0	NM_019688	Rap guanine nucleotide exchange factor (GEF) 4 (Rapgef4), mRNA.	Mme-M300005480	ILMN_2945940	0	0
217944	Rapgef5	-0.093	-0.207	0.141	0	0	0	0	0	0	NM_175930	Rap guanine nucleotide exchange factor (GEF) 5 (Rapgef5), mRNA.	Mme-M300013459	ILMN_2674602	0	0
192786	Rapgef6	0.114	-0.185	0.234	0	0	0	0	0	0	NM_175258	Rap guanine nucleotide exchange factor (GEF) 6 (Rapgef6), mRNA.	Mme-M300010993	ILMN_2906948	0	0
268480	Rapgefl1	0.476	0.419	-0.267	0	0	0	0	0	0	NM_001080925	Rap guanine nucleotide exchange factor (GEF)-like 1 (Rapgefl1), mRNA.	Mme-M300011289	ILMN_1250569	0	0
19400	Rapsn	-0.007	0.151	0.094	0	0	0	0	0	0	NM_009023	receptor-associated protein of the synapse (Rapsn), mRNA.	Mme-M200000478	ILMN_1235236	0	0
19401	Rara	0.225	0.060	0.002	0	0	0	0	0	0	NM_009024	retinoic acid receptor, alpha (Rara), mRNA.	Mme-M300011266	ILMN_2661242	0	0
218772	Rarb	-0.122	0.160	0.247	0	0	0	0	0	0	NM_011243	retinoic acid receptor, beta (Rarb), mRNA.	Mme-M400000273	ILMN_2617194	0	0
19411	Rarg	-0.136	0.241	-0.078	0	0	0	0	0	0	NM_001042727	retinoic acid receptor, gamma (Rarg), transcript variant 2, mRNA.	Mme-M300000176	ILMN_2618068	0	0
109222	Rarres1	-0.117	-0.094	0.047	0	0	0	0	0	0	XM_001475793	PREDICTED: retinoic acid receptor responder (tazarotene induced) 1 (Rarres1), mRNA.	Mme-M300009371	ILMN_2605971	0	0
71660	Rarres2	0.182	0.405	-0.095	0	0	0	0	0	0	NM_027852	retinoic acid receptor responder (tazarotene induced) 2 (Rarres2), mRNA.	Mme-M300001020	ILMN_3003130	0	0
104458	Rars	-0.181	0.105	0.029	0	0	0	0	0	0	NM_025936	arginyl-tRNA synthetase (Rars), mRNA.	Mme-M200005588	ILMN_2907642	0	0
109093	Rars2	0.049	-0.055	0.136	0	0	0	0	0	0	NM_181406	arginyl-tRNA synthetase 2, mitochondrial (putative) (Rars2), nuclear gene encoding mitochondrial protein, mRN	Mme-M300006035	ILMN_2750676	0	0
218397	Rasa1	-0.039	-0.103	0.032	0	0	0	0	0	0	NM_145452	RAS p21 protein activator 1 (Rasa1), mRNA.	Mme-M200009687	ILMN_2484338	0	0
114713	Rasa2	-0.045	-0.175	0.225	0	0	0	0	0	0	NM_053268	RAS p21 protein activator 2 (Rasa2), mRNA.	Mme-M200013064	ILMN_2428252	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19414	Rasa3	0.040	0.171	0.073	0	0	0	0	0	0	NM_009025	RAS p21 protein activator 3 (Rasa3), mRNA.	Mme-M300007720	ILMN_2637714	0	0
54153	Rasa4	0.189	0.218	-0.021	0	0	0	0	0	0	NM_001039103	RAS p21 protein activator 4 (Rasa4), transcript variant 2, mRNA.	Mme-M200004730	ILMN_2753979	0	0
19415	Rasal1	-0.149	0.145	-0.047	0	0	0	0	0	0	NM_013832	RAS protein activator like 1 (GAP1 like) (Rasal1), mRNA.	Mme-M300006760	ILMN_1247762	0	0
226525	Rasal2	-0.156	-0.191	-0.162	0	0	0	0	0	0	NM_177644	RAS protein activator like 2 (Rasal2), mRNA.	Mme-M400001567	ILMN_1233634	0	0
320484	Rasal3	0.081	0.263	0.153	0	0	0	0	0	0	NM_178785	RIKEN cDNA A430107D22 gene (A430107D22Rik), mRNA.	Mme-M400004014	ILMN_1232760	0	0
19416	Rasd1	0.355	-0.014	-0.092	0	0	0	0	0	0	NM_009026	RAS, dexamethasone-induced 1 (Rasd1), mRNA.	Mme-M200001495	ILMN_2647197	0	0
242505	Rasef	-0.318	-0.182	0.186	0	0	0	0	0	0	NM_001017427	RAS and EF hand domain containing (Rasef), mRNA.	Mme-M300014087	ILMN_2950343	0	0
70727	Rasgef1a	-0.080	0.199	0.045	0	0	0	0	0	0	XM_986257	PREDICTED: RasGEF domain family, member 1A (Rasgef1a), mRNA.	Mme-M200015893	ILMN_1223066	0	0
320292	Rasgef1b	0.123	0.118	0.036	0	0	0	0	0	0	NM_181318	RasGEF domain family, member 1B (Rasgef1b), transcript variant 2, mRNA.	Mme-M300006616	ILMN_1256089	0	0
74563	Rasgef1c	0.010	-0.198	-0.093	0	0	0	0	0	0	NM_029004	RasGEF domain family, member 1C (Rasgef1c), mRNA.	Mme-M200009153	ILMN_2780125	0	0
19417	Rasgrf1	0.474	0.754	-0.094	0	1	0	0	1	0	NM_011245	RAS protein-specific guanine nucleotide-releasing factor 1 (Rasgrf1), transcript variant 1, mRNA.	Mme-M200006730	ILMN_3132050	1	0
19418	Rasgrf2	-0.134	0.024	-0.058	0	0	0	0	0	0	NM_009027	RAS protein-specific guanine nucleotide-releasing factor 2 (Rasgrf2), mRNA.	Mme-M200014983	ILMN_1250506	0	0
19419	Rasgrp1	0.061	0.144	-0.042	0	0	0	0	0	0	NM_011246	RAS guanyl releasing protein 1 (Rasgrp1), mRNA.	Mme-M300005596	ILMN_1214318	0	0
19395	Rasgrp2	0.174	0.153	-0.074	0	0	0	0	0	0	NM_011242	RAS, guanyl releasing protein 2 (Rasgrp2), mRNA.	Mme-M400001513	ILMN_1244516	0	0
240168	Rasgrp3	0.186	-0.075	0.169	0	0	0	0	0	0	NM_207246	RAS, guanyl releasing protein 3 (Rasgrp3), mRNA.	Mme-M300009871	ILMN_2908687	0	0
233046	Rasgrp4	-0.125	0.083	-0.031	0	0	0	0	0	0	NM_145149	RAS guanyl releasing protein 4 (Rasgrp4), mRNA.	Mme-M200005091	ILMN_2427292	0	0
69903	Rasip1	0.294	-0.162	-0.043	0	0	0	0	0	0	NM_028544	Ras interacting protein 1 (Rasip1), mRNA.	Mme-M200004304	ILMN_2740217	0	0
75668	Rasl10a	0.382	0.172	-0.055	0	0	0	0	0	0	NM_145216	RAS-like, family 10, member A (Rasl10a), mRNA.	Mme-M300009216	ILMN_2719702	0	0
276952	Rasl10b	-0.059	0.334	0.183	0	0	0	0	0	0	NM_001013386	RAS-like, family 10, member B (Rasl10b), mRNA.	Mme-M300002334	ILMN_2900980	0	0
68895	Rasl11a	-0.026	-0.208	0.027	0	0	0	0	0	0	NM_026864	RAS-like, family 11, member A (Rasl11a), mRNA.	Mme-M200008337	ILMN_2755936	0	0
68939	Rasl11b	0.108	0.151	-0.118	0	0	0	0	0	0	NM_026878	RAS-like, family 11, member B (Rasl11b), mRNA.	Mme-M200012063	ILMN_2793062	0	0
70784	Rasl12	0.066	-0.495	-0.136	0	-1	0	0	0	0	NM_001033158	RAS-like, family 12 (Rasl12), mRNA.	Mme-M300013303	ILMN_2836749	0	0
19428	Rasl2-9	0.154	-0.063	0.000	0	0	0	0	0	0	NM_009028	RAS-like, family 2, locus 9 (Rasl2-9), mRNA.	Mme-M400010879	ILMN_1229223	0	0
56289	Rassf1	-0.189	0.265	-0.124	0	0	0	0	0	0	NM_019713	Ras association (RalGDS/AF-6) domain family member 1 (Rassf1), mRNA.	Mme-M300001085	ILMN_2647435	0	0
78748	Rassf10	-0.242	0.082	0.039	0	0	0	0	0	0	NM_175279	Ras association (RalGDS/AF-6) domain family (N-terminal) member 10 (Rassf10), mRNA.	Mme-M400012296	ILMN_2636005	0	0
215653	Rassf2	0.063	0.089	0.192	0	0	0	0	0	0	NM_175445	Ras association (RalGDS/AF-6) domain family member 2 (Rassf2), mRNA.	Mme-M300005590	ILMN_1226997	0	0
192678	Rassf3	0.156	-0.080	0.058	0	0	0	0	0	0	NM_138956	Ras association (RalGDS/AF-6) domain family member 3 (Rassf3), mRNA.	Mme-M200013532	ILMN_2776056	0	0
213391	Rassf4	-0.111	-0.101	-0.229	0	0	0	0	0	0	NM_178045	Ras association (RalGDS/AF-6) domain family member 4 (Rassf4), mRNA.	Mme-M300013525	ILMN_2956092	0	0
54354	Rassf5	-0.108	0.070	-0.002	0	0	0	0	0	0	NM_018750	Ras association (RalGDS/AF-6) domain family member 5 (Rassf5), mRNA.	Mme-M300005102	ILMN_2825020	0	0
73246	Rassf6	-0.047	-0.091	-0.036	0	0	0	0	0	0	NM_028478	Ras association (RalGDS/AF-6) domain family member 6 (Rassf6), mRNA.	Mme-M200006879	ILMN_1233255	0	0
66985	Rassf7	0.203	-0.104	-0.052	0	0	0	0	0	0	NM_025886	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 (Rassf7), mRNA.	Mme-M400011516	ILMN_2682778	0	0
71323	Rassf8	-0.067	-0.096	-0.032	0	0	0	0	0	0	NM_027760	Ras association (RalGDS/AF-6) domain family (N-terminal) member 8 (Rassf8), mRNA.	Mme-M200010370	ILMN_1235546	0	0
237504	Rassf9	0.115	0.034	-0.013	0	0	0	0	0	0	NM_146240	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9 (Rassf9), mRNA.	Mme-M300015905	ILMN_1226106	0	0
71766	Raver1	0.141	-0.053	0.000	0	0	0	0	0	0	NM_027911	ribonucleoprotein, PTB-binding 1 (Raver1), mRNA.	Mme-M200014215	ILMN_1216883	0	0
242570	Raver2	0.116	-0.187	-0.119	0	0	0	0	0	0	NM_183024	ribonucleoprotein, PTB-binding 2 (Raver2), mRNA.	Mme-M300009825	ILMN_3009400	0	0
19434	Rax	0.062	0.092	0.047	0	0	0	0	0	0	NM_013833	retina and anterior neural fold homeobox (Rax), mRNA.	Mme-M400000750	ILMN_2753555	0	0
19645	Rb1	0.169	0.146	0.195	0	0	0	0	0	0	NM_009029	retinoblastoma 1 (Rb1), mRNA.	Mme-M200000109	ILMN_2861644	0	0
12421	Rb1cc1	0.034	-0.137	0.470	0	0	1	0	0	1	NM_009826	RB1-inducible coiled-coil 1 (Rb1cc1), mRNA.	Mme-M200009355	ILMN_2525034	1	0
57782	Rbak	-0.089	-0.094	0.117	0	0	0	0	0	0	NM_001045482	RB-associated KRAB repressor (Rbak), transcript variant 2, mRNA.	Mme-M300012141	ILMN_3130983	0	0
19646	Rbbp4	0.272	-0.161	-0.170	0	0	0	0	0	0	NM_009030	retinoblastoma binding protein 4 (Rbbp4), mRNA.	Mme-M300000180	ILMN_1230623	0	0
213464	Rbbp5	0.040	0.085	-0.119	0	0	0	0	0	0	NM_172517	retinoblastoma binding protein 5 (Rbbp5), mRNA.	Mme-M200009085	ILMN_2726109	0	0
19647	Rbbp6	-0.095	-0.055	-0.219	0	0	0	0	0	0	NM_175023	retinoblastoma binding protein 6 (Rbbp6), transcript variant 2, mRNA.	Mme-M300020152	ILMN_1244956	0	0
245688	Rbbp7	0.233	0.265	-0.140	0	0	0	0	0	0	NM_009031	retinoblastoma binding protein 7 (Rbbp7), mRNA.	Mme-M200000645	ILMN_1219275	0	0
225182	Rbbp8	0.082	0.001	-0.079	0	0	0	0	0	0	NM_001081223	retinoblastoma binding protein 8 (Rbbp8), mRNA.	Mme-M300013079	ILMN_2636859	0	0
271887	Rbbp8nl	-0.019	-0.061	0.088	0	0	0	0	0	0	NM_173031	cDNA sequence BC066135 (BC066135), mRNA.	Mme-M300011876	ILMN_2750219	0	0
26450	Rbbp9	-0.188	-0.151	0.107	0	0	0	0	0	0	NM_015754	retinoblastoma binding protein 9 (Rbbp9), mRNA.	Mme-M300005639	ILMN_2890496	0	0
24105	Rbck1	0.211	0.155	-0.033	0	0	0	0	0	0	NM_019705	RanBP-type and C3HC4-type zinc finger containing 1 (Rbck1), transcript variant 2, mRNA.	Mme-M200006176	ILMN_1214070	0	0
68731	Rbfa	0.079	-0.151	-0.137	0	0	0	0	0	0	NM_199197	RIKEN cDNA 1110032A13 gene (1110032A13Rik), mRNA.	Mme-M200005106	ILMN_2759652	0	0
268859	Rbfox1	0.664	0.234	-0.094	1	0	0	0	0	0	NM_183188	ataxin 2 binding protein 1 (A2bp1), transcript variant 1, mRNA.	Mme-M300000975	ILMN_1238309	0	0
52897	Rbfox3	-0.164	-0.067	-0.044	0	0	0	0	0	0	NM_001039168	DNA segment, Chr 11, Brigham & Women's Genetics 0517 expressed (D11Bwg0517e), transcript variant 2, mRNA	Mme-M300004701	ILMN_2508458	0	0
71336	Rbks	-0.013	-0.082	0.123	0	0	0	0	0	0	NM_153196	ribokinase (Rbks), mRNA.	Mme-M200004412	ILMN_2806720	0	0
19650	Rbl1	0.172	0.153	0.182	0	0	0	0	0	0	NM_011249	retinoblastoma-like 1 (p107) (Rbl1), mRNA.	Mme-M200001147	ILMN_2688306	0	0
19651	Rbl2	-0.056	0.013	-0.026	0	0	0	0	0	0	NM_011250	retinoblastoma-like 2 (Rbl2), mRNA.	Mme-M300007845	ILMN_3009354	0	0
236732	Rbm10	0.099	0.119	-0.157	0	0	0	0	0	0	NM_145627	RNA binding motif protein 10 (Rbm10), mRNA.	Mme-M400011910	ILMN_2591626	0	0
224344	Rbm11	-0.239	-0.046	-0.103	0	0	0	0	0	0	NM_198302	RNA binding motif protein 11 (Rbm11), mRNA.	Mme-M300008524	ILMN_2509097	0	0
75710	Rbm12	0.243	-0.184	-0.151	0	0	0	0	0	0	NM_170598	RNA binding motif protein 12 (Rbm12), transcript variant 2, mRNA.	Mme-M300011385	ILMN_1221822	0	0
72397	Rbm12b1	0.137	-0.010	0.050	0	0	0	0	0	0	NM_028226	RNA binding motif protein 12B (Rbm12b), mRNA.	Mme-M400011635	ILMN_1240675	0	0
77604	Rbm12b2	0.115	-0.067	-0.020	0	0	0	0	0	0	NM_198957	RIKEN cDNA C430048L16 gene (C430048L16Rik), mRNA.	Mme-M400004009	ILMN_2679390	0	0
56275	Rbm14	0.316	0.107	0.046	0	0	0	0	0	0	NM_019869	RNA binding motif protein 14 (Rbm14), mRNA.	Mme-M300000808	ILMN_1245292	0	0
229700	Rbm15	-0.138	0.055	-0.050	0	0	0	0	0	0	NM_001045807	RNA binding motif protein 15 (Rbm15), mRNA.	Mme-M300018931	ILMN_2945275	0	0
76938	Rbm17	0.054	-0.018	0.169	0	0	0	0	0	0	NM_152824	RNA binding motif protein 17 (Rbm17), mRNA.	Mme-M200004306	ILMN_1230060	0	0
67889	Rbm18	-0.088	-0.147	0.145	0	0	0	0	0	0	NM_026434	RNA binding motif protein 18 (Rbm18), mRNA.	Mme-M200013077	ILMN_2978585	0	0
74111	Rbm19	0.089	0.054	-0.102	0	0	0	0	0	0	NM_028762	RNA binding motif protein 19 (Rbm19), mRNA.	Mme-M200008345	ILMN_2599295	0	0
66810	Rbm22	0.242	0.053	-0.078	0	0	0	0	0	0	NM_025776	RNA binding motif protein 22 (Rbm22), mRNA.	Mme-M200012069	ILMN_2697305	0	0
666794	Rbm24	-0.370	-0.119	0.043	0	0	0	0	0	0	NM_001081425	RNA binding motif protein 24 (Rbm24), mRNA.	Mme-M300011367	ILMN_2802711	0	0
67039	Rbm25	0.219	-0.040	-0.056	0	0	0	0	0	0	NM_027349	RNA binding motif protein 25 (Rbm25), mRNA.	Mme-M300013790	ILMN_2544603	0	0
74213	Rbm26	0.044	-0.066	-0.081	0	0	0	0	0	0	NM_134077	RNA binding motif protein 26 (Rbm26), mRNA.	Mme-M300008709	ILMN_2852756	0	0
225432	Rbm27	0.113	-0.056	0.026	0	0	0	0	0	0	XM_001477419	PREDICTED: RNA binding motif protein 27 (Rbm27), mRNA.	Mme-M400009083	ILMN_2755481	0	0
68272	Rbm28	-0.068	-0.054	0.113	0	0	0	0	0	0	NM_133925	RNA binding motif protein 28 (Rbm28), mRNA.	Mme-M300006826	ILMN_2650392	0	0
19652	Rbm3	0.295	0.315	-0.070	0	0	0	0	0	0	NM_016809	RNA binding motif protein 3 (Rbm3), mRNA.	Mme-M400008677	ILMN_1234453	0	0
74484	Rbm31y	-0.083	0.020	0.006	0	0	0	0	0	0	XM_486938	PREDICTED: RNA binding motif 31, Y-linked (Rbm31y), mRNA.	Mme-M400003459	ILMN_1244760	0	0
381626	Rbm33	0.163	-0.198	0.022	0	0	0	0	0	0	NM_028234	proline rich 8 (Prr8), mRNA.	Mme-M400003398	ILMN_2654516	0	0
52202	Rbm34	0.007	-0.066	0.055	0	0	0	0	0	0	NM_172762	RNA binding motif protein 34 (Rbm34), mRNA.	Mme-M300009035	ILMN_2640602	0	0
56190	Rbm38	0.478	0.504	0.076	0	1	0	0	0	0	NM_019547	RNA binding motif protein 38 (Rbm38), mRNA.	Mme-M200001479	ILMN_2926155	0	0
170791	Rbm39	0.173	-0.175	0.070	0	0	0	0	0	0	NM_133242	RNA binding motif protein 39 (Rbm39), mRNA.	Mme-M400001025	ILMN_2646456	0	0
19653	Rbm4	0.081	0.108	-0.037	0	0	0	0	0	0	NM_009032	RNA binding motif protein 4 (Rbm4), mRNA.	Mme-M400005709	ILMN_2769133	0	0
237073	Rbm41	-0.054	0.139	-0.083	0	0	0	0	0	0	NM_153586	RNA binding motif protein 41 (Rbm41), mRNA.	Mme-M300007713	ILMN_2927847	0	0
68035	Rbm42	0.071	0.109	-0.060	0	0	0	0	0	0	NM_133693	RNA binding motif protein 42 (Rbm42), mRNA.	Mme-M200004224	ILMN_2709456	0	0
71684	Rbm43	0.272	0.124	-0.163	0	0	0	0	0	0	NM_030243	RNA binding motif protein 43 (Rbm43), mRNA.	Mme-M200005938	ILMN_2995426	0	0
329207	Rbm44	-0.121	-0.021	-0.129	0	0	0	0	0	0	NM_001033408	RNA binding motif protein 44 (Rbm44), mRNA.	Mme-M400008329	ILMN_2964378	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
241490	Rbm45	0.289	0.086	0.141	0	0	0	0	0	0	NM_153405	RNA binding motif protein 45 (Rbm45), mRNA.	Mme-M300013651	ILMN_3163340	0	0
633285	Rbm46	0.101	0.005	0.109	0	0	0	0	0	0	XM_907666	PREDICTED: predicted gene, EG633285 (EG633285), mRNA.	Mme-M400001611	ILMN_1252250	0	0
245945	Rbm47	-0.020	-0.190	-0.076	0	0	0	0	0	0	NM_139065	RNA binding motif protein 47 (Rbm47), mRNA.	Mme-M200007904	ILMN_1259076	0	0
269623	Rbm48	0.130	0.069	0.076	0	0	0	0	0	0	NM_172991	RIKEN cDNA C030048B08 gene (C030048B08Rik), mRNA.	Mme-M300012600	ILMN_2940358	0	0
66704	Rbm4b	0.064	-0.082	-0.069	0	0	0	0	0	0	NM_025717	RNA binding motif protein 4B (Rbm4b), mRNA.	Mme-M200014268	ILMN_1220793	0	0
83486	Rbm5	-0.001	-0.085	0.015	0	0	0	0	0	0	NM_148930	RNA binding motif protein 5 (Rbm5), mRNA.	Mme-M200014586	ILMN_2639635	0	0
19654	Rbm6	-0.068	-0.065	0.083	0	0	0	0	0	0	NM_011251	RNA binding motif protein 6 (Rbm6), transcript variant 1, mRNA.	Mme-M200003196	ILMN_2624587	0	0
67010	Rbm7	0.275	0.041	-0.040	0	0	0	0	0	0	NM_144948	RNA binding motif protein 7 (Rbm7), mRNA.	Mme-M300013665	ILMN_2656657	0	0
60365	Rbm8a	-0.160	0.067	0.083	0	0	0	0	0	0	NM_025875	RNA binding motif protein 8a (Rbm8a), transcript variant 2, mRNA.	Mme-M200009394	ILMN_2609615	0	0
56516	Rbms2	0.301	-0.208	-0.044	0	0	0	0	0	0	NM_019711	RNA binding motif, single stranded interacting protein 2 (Rbms2), transcript variant 1, mRNA.	Mme-M400013782	ILMN_3111877	0	0
19655	Rbmx	0.172	0.046	0.115	0	0	0	0	0	0	NM_011252	RNA binding motif protein, X chromosome (Rbmx), mRNA.	Mme-M200005922	ILMN_1233065	0	0
209003	Rbmx2	0.051	-0.032	-0.042	0	0	0	0	0	0	NM_173376	RNA binding motif protein, X-linked 2 (Rbmx2), mRNA.	Mme-M300007560	ILMN_2593392	0	0
19656	Rbmxl1	-0.012	-0.020	-0.014	0	0	0	0	0	0	NM_009033	RNA binding motif protein, X chromosome retrogene (Rbmxrt), mRNA.	Mme-M400009572	ILMN_2765245	0	0
19657	Rbmy	-0.355	0.006	-0.091	0	0	0	0	0	0	NM_011253	RNA binding motif protein, Y chromosome, family 1, member A1 (Rbmy1a1), mRNA.	Mme-M400009764	ILMN_2668493	0	0
19659	Rbp1	-0.009	-0.236	0.070	0	0	0	0	0	0	NM_011254	retinol binding protein 1, cellular (Rbp1), mRNA.	Mme-M300017309	ILMN_1238433	0	0
19660	Rbp2	0.067	-0.010	0.048	0	0	0	0	0	0	NM_009034	retinol binding protein 2, cellular (Rbp2), mRNA.	Mme-M300008262	ILMN_2776265	0	0
19661	Rbp3	0.058	-0.038	-0.088	0	0	0	0	0	0	NM_015745	retinol binding protein 3, interstitial (Rbp3), mRNA.	Mme-M200009623	ILMN_2722695	0	0
19662	Rbp4	0.385	-0.063	-0.028	0	0	0	0	0	0	NM_011255	retinol binding protein 4, plasma (Rbp4), mRNA.	Mme-M300004415	ILMN_1252185	0	0
63954	Rbp7	0.087	0.062	-0.184	0	0	0	0	0	0	NM_022020	retinol binding protein 7, cellular (Rbp7), mRNA.	Mme-M200014368	ILMN_2733708	0	0
19664	Rbpj	0.145	-0.029	-0.039	0	0	0	0	0	0	NM_001080928	recombination signal binding protein for immunoglobulin kappa J region (Rbpj), transcript variant 3, mRNA.	Mme-M300012013	ILMN_2772508	0	0
19668	Rbpjl	-0.034	-0.194	-0.050	0	0	0	0	0	0	NM_009036	recombination signal binding protein for immunoglobulin kappa J region-like (Rbpjl), mRNA.	Mme-M200013907	ILMN_2860717	0	0
19663	Rbpms	0.504	-0.142	-0.169	0	0	0	0	0	0	NM_001042675	RNA binding protein gene with multiple splicing (Rbpms), transcript variant 3, mRNA.	Mme-M300007812	ILMN_3026557	0	0
71973	Rbpms2	0.231	-0.170	0.064	0	0	0	0	0	0	NM_028030	RNA binding protein with multiple splicing 2 (Rbpms2), mRNA.	Mme-M200006350	ILMN_2621012	0	0
78287	Rbsn	0.160	0.096	0.014	0	0	0	0	0	0	NM_030081	zinc finger, FYVE domain containing 20 (Zfyve20), mRNA.	Mme-M300001310	ILMN_1234236	0	0
56438	Rbx1	0.063	-0.026	-0.093	0	0	0	0	0	0	NM_019712	ring-box 1 (Rbx1), mRNA.	Mme-M400011331	ILMN_1230583	0	0
381305	Rc3h1	-0.339	-0.044	0.137	0	0	0	0	0	0	NM_001024952	RING CCCH (C3H) domains 1 (Rc3h1), mRNA.	Mme-M400002364	ILMN_1215909	0	0
319817	Rc3h2	0.124	0.323	-0.216	0	0	0	0	0	0	NM_001100591	ring finger and CCCH-type zinc finger domains 2 (Rc3h2), mRNA.	Mme-M400013869	ILMN_1251986	0	0
54720	Rcan1	0.079	-0.094	-0.202	0	0	0	0	0	0	NM_019466	regulator of calcineurin 1 (Rcan1), transcript variant 2, mRNA.	Mme-M300003598	ILMN_2701991	0	0
53901	Rcan2	-0.121	0.218	0.106	0	0	0	0	0	0	NM_030598	regulator of calcineurin 2 (Rcan2), transcript variant 2, mRNA.	Mme-M300012254	ILMN_1212612	0	0
53902	Rcan3	-0.004	-0.064	-0.187	0	0	0	0	0	0	NM_022980	regulator of calcineurin 3 (Rcan3), mRNA.	Mme-M200012874	ILMN_2823269	0	0
71330	Rcbtb1	0.122	-0.006	-0.088	0	0	0	0	0	0	NM_027764	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1 (Rcbtb1), mRNA.	Mme-M300009935	ILMN_1240769	0	0
105670	Rcbtb2	0.177	-0.079	-0.057	0	0	0	0	0	0	NM_134083	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2 (Rcbtb2), mRNA.	Mme-M300003095	ILMN_2812087	0	0
100088	Rcc1	0.078	0.052	0.005	0	0	0	0	0	0	NM_133878	regulator of chromosome condensation 1 (Rcc1), mRNA.	Mme-M200009742	ILMN_2745425	0	0
108911	Rcc2	-0.074	-0.131	-0.076	0	0	0	0	0	0	NM_173867	regulator of chromosome condensation 2 (Rcc2), mRNA.	Mme-M300012948	ILMN_1256301	0	0
269955	Rccd1	0.033	0.042	0.088	0	0	0	0	0	0	NM_173445	RCC1 domain containing 1 (Rccd1), mRNA.	Mme-M300011848	ILMN_2691271	0	0
19671	Rce1	0.050	0.175	0.083	0	0	0	0	0	0	NM_023131	RCE1 homolog, prenyl protein peptidase (S. cerevisiae) (Rce1), mRNA.	Mme-M200009385	ILMN_1235234	0	0
68098	Rchy1	0.427	-0.017	-0.092	0	0	0	0	0	0	NM_026557	ring finger and CHY zinc finger domain containing 1 (Rchy1), mRNA.	Mme-M200012048	ILMN_2948987	0	0
59028	Rcl1	0.140	0.102	-0.090	0	0	0	0	0	0	NM_021525	RNA terminal phosphate cyclase-like 1 (Rcl1), mRNA.	Mme-M200006099	ILMN_1237527	0	0
19672	Rcn1	0.332	-0.009	-0.075	0	0	0	0	0	0	NM_009037	reticulocalbin 1 (Rcn1), mRNA.	Mme-M200002011	ILMN_2629701	0	0
26611	Rcn2	0.273	-0.088	0.012	0	0	0	0	0	0	NM_011992	reticulocalbin 2 (Rcn2), mRNA.	Mme-M300008186	ILMN_2775778	0	0
52377	Rcn3	0.373	-0.033	-0.110	0	0	0	0	0	0	NM_026555	reticulocalbin 3, EF-hand calcium binding domain (Rcn3), mRNA.	Mme-M300001793	ILMN_2723718	0	0
217864	Rcor1	-0.004	-0.158	0.143	0	0	0	0	0	0	NM_198023	REST corepressor 1 (Rcor1), mRNA.	Mme-M300011204	ILMN_1215969	0	0
104383	Rcor2	0.165	0.067	-0.135	0	0	0	0	0	0	NM_054048	REST corepressor 2 (Rcor2), mRNA.	Mme-M200004546	ILMN_1214713	0	0
214742	Rcor3	-0.023	0.021	0.043	0	0	0	0	0	0	NM_144814	REST corepressor 3 (Rcor3), mRNA.	Mme-M400002003	ILMN_2647400	0	0
226594	Rcsd1	0.146	0.111	-0.003	0	0	0	0	0	0	NM_001038846	RCSD domain containing 1 (Rcsd1), transcript variant 2, mRNA.	Mme-M300012819	ILMN_1250704	0	0
19674	Rcvrn	-0.069	0.054	0.065	0	0	0	0	0	0	NM_009038	recoverin (Rcvrn), mRNA.	Mme-M200009970	ILMN_2661924	0	0
74023	Rd3	-0.372	-0.236	-0.055	0	0	0	0	0	0	NM_023727	RIKEN cDNA 3322402L07 gene (3322402L07Rik), mRNA.	Mme-M400009814	ILMN_1242556	0	0
107605	Rdh1	-0.035	0.014	-0.039	0	0	0	0	0	0	NM_080436	retinol dehydrogenase 1 (all trans) (Rdh1), mRNA.	Mme-M300018242	ILMN_2768970	0	0
98711	Rdh10	-0.188	-0.082	0.012	0	0	0	0	0	0	NM_133832	retinol dehydrogenase 10 (all-trans) (Rdh10), mRNA.	Mme-M200013693	ILMN_2804091	0	0
77974	Rdh12	-0.226	0.158	-0.081	0	0	0	0	0	0	NM_030017	retinol dehydrogenase 12 (Rdh12), mRNA.	Mme-M200008934	ILMN_1246729	0	0
108841	Rdh13	0.152	-0.087	0.051	0	0	0	0	0	0	NM_175372	retinol dehydrogenase 13 (all-trans and 9-cis) (Rdh13), mRNA.	Mme-M300000964	ILMN_2764201	0	0
105014	Rdh14	0.186	-0.202	0.147	0	0	0	0	0	0	NM_023697	retinol dehydrogenase 14 (all-trans and 9-cis) (Rdh14), mRNA.	Mme-M200004663	ILMN_2685478	0	0
19683	Rdh16	0.013	-0.088	-0.027	0	0	0	0	0	0	NM_009040	retinol dehydrogenase 16 (Rdh16), mRNA.	Mme-M200008389	ILMN_1219440	0	0
216453	Rdh19	-0.151	-0.122	0.074	0	0	0	0	0	0	NM_147222	retinol dehydrogenase 19 (Rdh19), mRNA.	Mme-M400004687	ILMN_1240738	0	0
19682	Rdh5	-0.236	0.022	-0.150	0	0	0	0	0	0	NM_134006	retinol dehydrogenase 5 (Rdh5), mRNA.	Mme-M200002570	ILMN_1221292	0	0
54150	Rdh7	-0.033	-0.100	-0.042	0	0	0	0	0	0	NM_017473	retinol dehydrogenase 7 (Rdh7), mRNA.	Mme-M300012530	ILMN_2871249	0	0
235033	Rdh8	-0.146	-0.124	-0.041	0	0	0	0	0	0	NM_001030290	retinol dehydrogenase 8 (Rdh8), mRNA.	Mme-M400004582	ILMN_2533387	0	0
103142	Rdh9	-0.148	0.046	-0.069	0	0	0	0	0	0	NM_153133	retinol dehydrogenase 9 (Rdh9), mRNA.	Mme-M400003618	ILMN_1254902	0	0
66599	Rdm1	-0.177	0.042	0.018	0	0	0	0	0	0	NM_025654	RAD52 motif 1 (Rdm1), mRNA.	Mme-M200013598	ILMN_1218934	0	0
19684	Rdx	0.221	-0.021	0.034	0	0	0	0	0	0	NM_001104616	radixin (Rdx), transcript variant 2, mRNA.	Mme-M300008046	ILMN_2753452	0	0
73673	Rec114	-0.237	0.013	-0.020	0	0	0	0	0	0	XM_001480346	PREDICTED: RIKEN cDNA 2410076I21 gene, transcript variant 2 (2410076I21Rik), mRNA.	Mme-M200015162	ILMN_2694782	0	0
56739	Rec8	-0.286	0.009	0.036	0	0	0	0	0	0	NM_020002	REC8 homolog (yeast) (Rec8), mRNA.	Mme-M200004579	ILMN_2684093	0	0
53614	Reck	0.124	-0.088	0.123	0	0	0	0	0	0	NM_016678	reversion-inducing-cysteine-rich protein with kazal motifs (Reck), mRNA.	Mme-M200003966	ILMN_2769877	0	0
19691	Recql	0.020	-0.058	-0.046	0	0	0	0	0	0	NM_023042	RecQ protein-like (Recql), mRNA.	Mme-M200005542	ILMN_2630681	0	0
79456	Recql4	-0.184	-0.071	0.077	0	0	0	0	0	0	NM_058214	RecQ protein-like 4 (Recql4), mRNA.	Mme-M200003603	ILMN_3078499	0	0
170472	Recql5	-0.061	0.022	0.100	0	0	0	0	0	0	NM_130454	RecQ protein-like 5 (Recql5), mRNA.	Mme-M300002375	ILMN_1243890	0	0
52250	Reep1	-0.077	-0.074	0.055	0	0	0	0	0	0	NM_178608	receptor accessory protein 1 (Reep1), mRNA.	Mme-M400004262	ILMN_2791644	0	0
225362	Reep2	-0.018	0.066	0.040	0	0	0	0	0	0	NM_144865	receptor accessory protein 2 (Reep2), mRNA.	Mme-M200005010	ILMN_1231853	0	0
28193	Reep3	0.238	0.079	-0.064	0	0	0	0	0	0	NM_178606	receptor accessory protein 3 (Reep3), mRNA.	Mme-M400000339	ILMN_1250538	0	0
72549	Reep4	-0.133	0.230	0.090	0	0	0	0	0	0	NM_180588	receptor accessory protein 4 (Reep4), mRNA.	Mme-M200014595	ILMN_2739250	0	0
13476	Reep5	-0.049	0.103	0.109	0	0	0	0	0	0	NM_007874	receptor accessory protein 5 (Reep5), mRNA.	Mme-M200004094	ILMN_2623046	0	0
70335	Reep6	-0.040	-0.166	-0.044	0	0	0	0	0	0	NM_139292	receptor accessory protein 6 (Reep6), mRNA.	Mme-M200005856	ILMN_2661650	0	0
19692	Reg1	-0.117	0.027	-0.019	0	0	0	0	0	0	NM_009042	regenerating islet-derived 1 (Reg1), mRNA.	Mme-M200009415	ILMN_2592415	0	0
19693	Reg2	-0.131	0.011	-0.062	0	0	0	0	0	0	NM_009043	regenerating islet-derived 2 (Reg2), mRNA.	Mme-M200014480	ILMN_2612268	0	0
19694	Reg3a	0.004	-0.058	-0.002	0	0	0	0	0	0	NM_011259	regenerating islet-derived 3 alpha (Reg3a), mRNA.	Mme-M400011117	ILMN_1240824	0	0
18489	Reg3b	-0.007	-0.129	-0.015	0	0	0	0	0	0	NM_011036	regenerating islet-derived 3 beta (Reg3b), mRNA.	Mme-M400011096	ILMN_2705804	0	0
30053	Reg3d	0.006	-0.006	-0.040	0	0	0	0	0	0	NM_013893	regenerating islet-derived 3 delta (Reg3d), mRNA.	Mme-M400011231	ILMN_1216378	0	0
19695	Reg3g	0.583	-0.152	-0.255	0	0	0	0	0	0	NM_011260	regenerating islet-derived 3 gamma (Reg3g), mRNA.	Mme-M200000098	ILMN_2662934	0	0
67709	Reg4	-0.048	-0.018	-0.011	0	0	0	0	0	0	NM_026328	regenerating islet-derived family, member 4 (Reg4), mRNA.	Mme-M200014464	ILMN_2623499	0	0
19696	Rel	0.005	0.056	0.034	0	0	0	0	0	0	NM_009044	reticuloendotheliosis oncogene (Rel), mRNA.	Mme-M200002005	ILMN_2659408	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19697	Rela	0.300	-0.026	-0.085	0	0	0	0	0	0	NM_009045	v-rel reticuloendotheliosis viral oncogene homolog A (avian) (Rela), mRNA.	Mme-M200005865	ILMN_2740859	0	0
19698	Relb	0.217	0.269	0.052	0	0	0	0	0	0	NM_009046	avian reticuloendotheliosis viral (v-rel) oncogene related B (Relb), mRNA.	Mme-M200000686	ILMN_1246841	0	0
100532	Rell1	0.123	0.091	0.165	0	0	0	0	0	0	NM_145923	RELT-like 1 (Rell1), mRNA.	Mme-M300018704	ILMN_2656645	0	0
225392	Rell2	0.026	0.127	-0.076	0	0	0	0	0	0	NM_153793	RELT-like 2 (Rell2), mRNA.	Mme-M400002839	ILMN_1227065	0	0
19699	Reln	0.101	-0.083	-0.050	0	0	0	0	0	0	NM_011261	reelin (Reln), mRNA.	Mme-M300011580	ILMN_2704257	0	0
320100	Relt	0.124	0.160	-0.085	0	0	0	0	0	0	NM_177073	RELT tumor necrosis factor receptor (Relt), mRNA.	Mme-M300000961	ILMN_1242889	0	0
19700	Rem1	-0.080	0.001	0.020	0	0	0	0	0	0	NM_009047	rad and gem related GTP binding protein 1 (Rem1), mRNA.	Mme-M200002740	ILMN_1228010	0	0
140743	Rem2	-0.084	-0.167	-0.025	0	0	0	0	0	0	NM_080726	rad and gem related GTP binding protein 2 (Rem2), mRNA.	Mme-M200008065	ILMN_1222084	0	0
19701	Ren1	0.093	-0.048	-0.003	0	0	0	0	0	0	NM_031192	renin 1 structural (Ren1), mRNA.	Mme-M200016213	ILMN_2620114	0	0
19703	Renbp	-0.015	0.085	-0.063	0	0	0	0	0	0	NM_023132	renin binding protein (Renbp), mRNA.	Mme-M200005925	ILMN_2674533	0	0
66532	Rep15	0.091	-0.162	-0.019	0	0	0	0	0	0	NM_025620	RIKEN cDNA 2210417D09 gene (2210417D09Rik), mRNA.	Mme-M200014344	ILMN_2594066	0	0
58887	Repin1	0.094	0.188	-0.175	0	0	0	0	0	0	NM_001079905	replication initiator 1 (Repin1), transcript variant 6, mRNA.	Mme-M300000879	ILMN_3131197	0	0
19707	Reps1	0.206	-0.108	0.033	0	0	0	0	0	0	NM_001111065	RalBP1 associated Eps domain containing protein (Reps1), transcript variant 2, mRNA.	Mme-M200001764	ILMN_2985240	0	0
194590	Reps2	0.124	-0.037	0.031	0	0	0	0	0	0	NM_178256	RALBP1 associated Eps domain containing protein 2 (Reps2), mRNA.	Mme-M300012901	ILMN_2763434	0	0
67830	Rer1	0.135	-0.132	0.080	0	0	0	0	0	0	NM_026395	RER1 retention in endoplasmic reticulum 1 homolog (S. cerevisiae) (Rer1), mRNA.	Mme-M200016217	ILMN_2935789	0	0
68703	Rere	-0.134	-0.023	0.018	0	0	0	0	0	0	NM_001085492	arginine glutamic acid dipeptide (RE) repeats (Rere), mRNA.	Mme-M400008551	ILMN_2630811	0	0
232441	Rerg	-0.027	0.296	0.039	0	0	0	0	0	0	NM_181988	RAS-like, estrogen-regulated, growth-inhibitor (Rerg), mRNA.	Mme-M400001238	ILMN_1230648	0	0
19711	Resp18	0.189	-0.033	-0.462	0	0	-1	0	0	-1	NM_009049	regulated endocrine-specific protein 18 (Resp18), mRNA.	Mme-M200001562	ILMN_1231724	0	1
19712	Rest	0.217	-0.037	-0.049	0	0	0	0	0	0	NM_011263	RE1-silencing transcription factor (Rest), mRNA.	Mme-M200008896	ILMN_2615160	0	0
19713	Ret	-0.329	-0.134	0.227	0	0	0	0	0	0	NM_009050	ret proto-oncogene (Ret), transcript variant 2, mRNA.	Mme-M200014965	ILMN_2683393	0	0
57264	Retn	-0.371	0.017	-0.018	0	0	0	0	0	0	NM_022984	resistin (Retn), mRNA.	Mme-M300001195	ILMN_2721016	0	0
57262	Retnla	0.435	0.264	0.012	0	0	0	0	0	0	NM_020509	resistin like alpha (Retnla), mRNA.	Mme-M400007329	ILMN_1226472	0	0
57263	Retnlb	-0.008	0.049	-0.052	0	0	0	0	0	0	NM_023881	resistin like beta (Retnlb), mRNA.	Mme-M300003435	ILMN_2909979	0	0
245195	Retnlg	-0.068	0.343	0.422	0	0	1	0	0	1	NM_181596	resistin like gamma (Retnlg), mRNA.	Mme-M400000596	ILMN_2656504	1	0
67442	Retsat	0.107	-0.320	-0.119	0	0	0	0	0	0	NM_026159	retinol saturase (all trans retinol 13,14 reductase) (Retsat), mRNA.	Mme-M400005587	ILMN_2769680	0	0
56210	Rev1	0.185	-0.168	0.076	0	0	0	0	0	0	NM_019570	REV1 homolog (S. cerevisiae) (Rev1), mRNA.	Mme-M200009747	ILMN_2928573	0	0
19714	Rev3l	0.212	0.011	0.162	0	0	0	0	0	0	NM_011264	REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like (S. cerevisiae) (Rev3l), mRNA.	Mme-M200000824	ILMN_1236221	0	0
66932	Rexo1	0.098	0.166	0.131	0	0	0	0	0	0	NM_025852	REX1, RNA exonuclease 1 homolog (S. cerevisiae) (Rexo1), transcript variant 1, mRNA.	Mme-M300009902	ILMN_2592554	0	0
104444	Rexo2	-0.152	-0.075	-0.035	0	0	0	0	0	0	NM_024233	REX2, RNA exonuclease 2 homolog (S. cerevisiae) (Rexo2), mRNA.	Mme-M200004249	ILMN_1249765	0	0
227656	Rexo4	0.024	0.055	-0.102	0	0	0	0	0	0	NM_207234	REX4, RNA exonuclease 4 homolog (S. cerevisiae) (Rexo4), mRNA.	Mme-M300010239	ILMN_2736209	0	0
19687	Rfc1	0.214	0.056	-0.083	0	0	0	0	0	0	NM_011258	replication factor C (activator 1) 1 (Rfc1), mRNA.	Mme-M200009576	ILMN_1240620	0	0
19718	Rfc2	0.174	0.261	0.136	0	0	0	0	0	0	NM_020022	replication factor C (activator 1) 2 (Rfc2), mRNA.	Mme-M200005729	ILMN_2894497	0	0
69263	Rfc3	0.259	0.130	-0.049	0	0	0	0	0	0	NM_027009	replication factor C (activator 1) 3 (Rfc3), mRNA.	Mme-M300009059	ILMN_2726047	0	0
106344	Rfc4	0.104	0.030	-0.007	0	0	0	0	0	0	NM_145480	replication factor C (activator 1) 4 (Rfc4), mRNA.	Mme-M200003699	ILMN_2613118	0	0
72151	Rfc5	-0.020	-0.111	0.117	0	0	0	0	0	0	NM_028128	replication factor C (activator 1) 5 (Rfc5), mRNA.	Mme-M200005784	ILMN_2637203	0	0
67338	Rffl	-0.290	0.148	-0.089	0	0	0	0	0	0	NM_026097	ring finger and FYVE like domain containing protein (Rffl), transcript variant 2, mRNA.	Mme-M300002346	ILMN_1251074	0	0
54391	Rfk	0.196	-0.126	-0.010	0	0	0	0	0	0	NM_019437	riboflavin kinase (Rfk), mRNA.	Mme-M200002470	ILMN_2594796	0	0
19719	Rfng	0.017	0.201	0.055	0	0	0	0	0	0	NM_009053	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (Rfng), mRNA.	Mme-M200000307	ILMN_1257829	0	0
328370	Rft1	0.159	-0.297	0.231	0	0	0	0	0	0	NM_177815	RFT1 homolog (S. cerevisiae) (Rft1), mRNA.	Mme-M400004103	ILMN_2857143	0	0
76438	Rftn1	-0.204	0.239	0.138	0	0	0	0	0	0	NM_181397	raftlin lipid raft linker 1 (Rftn1), mRNA.	Mme-M300012096	ILMN_1240868	0	0
74013	Rftn2	-0.062	-0.134	-0.047	0	0	0	0	0	0	NM_028713	raftlin family member 2 (Rftn2), mRNA.	Mme-M200008319	ILMN_1212653	0	0
26374	Rfwd2	0.201	-0.221	-0.128	0	0	0	0	0	0	NM_011931	ring finger and WD repeat domain 2 (Rfwd2), mRNA.	Mme-M300012852	ILMN_2707245	0	0
234736	Rfwd3	0.254	0.127	0.160	0	0	0	0	0	0	NM_146218	ring finger and WD repeat domain 3 (Rfwd3), mRNA.	Mme-M300014038	ILMN_2944546	0	0
19724	Rfx1	-0.098	0.257	0.064	0	0	0	0	0	0	NM_009055	regulatory factor X, 1 (influences HLA class II expression) (Rfx1), mRNA.	Mme-M200002607	ILMN_2708347	0	0
19725	Rfx2	0.258	-0.085	0.060	0	0	0	0	0	0	NM_009056	regulatory factor X, 2 (influences HLA class II expression) (Rfx2), mRNA.	Mme-M200000031	ILMN_1217353	0	0
19726	Rfx3	0.114	0.091	0.098	0	0	0	0	0	0	NM_011265	regulatory factor X, 3 (influences HLA class II expression) (Rfx3), mRNA.	Mme-M200012225	ILMN_2708609	0	0
71137	Rfx4	0.040	-0.126	-0.070	0	0	0	0	0	0	NM_027689	regulatory factor X, 4 (influences HLA class II expression) (Rfx4), transcript variant 2, mRNA.	Mme-M300001967	ILMN_2722156	0	0
53970	Rfx5	-0.040	0.089	-0.062	0	0	0	0	0	0	NM_017395	regulatory factor X, 5 (influences HLA class II expression) (Rfx5), mRNA.	Mme-M200004863	ILMN_2618625	0	0
320995	Rfx6	-0.435	0.006	0.038	0	0	0	0	0	0	NM_177306	regulatory factor X domain containing 1 (Rfxdc1), mRNA.	Mme-M300001886	ILMN_2734616	0	0
319758	Rfx7	0.116	0.079	-0.048	0	0	0	0	0	0	NM_001033536	regulatory factor X domain containing 2 homolog (human) (Rfxdc2), mRNA.	Mme-M300011067	ILMN_3025681	0	0
19727	Rfxank	0.132	0.123	-0.030	0	0	0	0	0	0	NM_001025589	regulatory factor X-associated ankyrin-containing protein (Rfxank), transcript variant 2, mRNA.	Mme-M200003956	ILMN_3125181	0	0
170767	Rfxap	0.053	-0.164	-0.065	0	0	0	0	0	0	NM_133231	regulatory factor X-associated protein (Rfxap), mRNA.	Mme-M200008056	ILMN_2644992	0	0
209540	Rgag1	-0.009	0.070	-0.021	0	0	0	0	0	0	XM_001472365	PREDICTED: retrotransposon gag domain containing 1 (Rgag1), mRNA.	Mme-M400002591	ILMN_1255714	0	0
331474	Rgag4	0.150	0.063	0.031	0	0	0	0	0	0	NM_183318	retrotransposon gag domain containing 4 (Rgag4), mRNA.	Mme-M300019949	ILMN_2922368	0	0
66214	Rgcc	0.216	-0.300	-0.010	0	0	0	0	0	0	NM_025427	RIKEN cDNA 1190002H23 gene (1190002H23Rik), mRNA.	Mme-M400011482	ILMN_2593774	0	0
19731	Rgl1	-0.051	0.060	0.091	0	0	0	0	0	0	NM_016846	ral guanine nucleotide dissociation stimulator,-like 1 (Rgl1), mRNA.	Mme-M200001768	ILMN_2603944	0	0
19732	Rgl2	0.116	0.119	0.110	0	0	0	0	0	0	NM_009059	ral guanine nucleotide dissociation stimulator-like 2 (Rgl2), mRNA.	Mme-M200014010	ILMN_2899787	0	0
71746	Rgl3	-0.408	0.079	-0.078	0	0	0	0	0	0	NM_023622	ral guanine nucleotide dissociation stimulator-like 3 (Rgl3), mRNA.	Mme-M200008777	ILMN_1239492	0	0
244058	Rgma	0.347	-0.144	0.119	0	0	0	0	0	0	NM_177740	RGM domain family, member A (Rgma), mRNA.	Mme-M400012433	ILMN_1214500	0	0
68799	Rgmb	-0.077	0.064	-0.135	0	0	0	0	0	0	NM_178615	RGM domain family, member B (Rgmb), mRNA.	Mme-M200015243	ILMN_2941058	0	0
19733	Rgn	0.200	0.055	0.006	0	0	0	0	0	0	NM_009060	regucalcin (Rgn), mRNA.	Mme-M200000806	ILMN_2700885	0	0
242406	Rgp1	0.158	0.116	-0.065	0	0	0	0	0	0	NM_172866	RGP1 retrograde golgi transport homolog (S. cerevisiae) (Rgp1), mRNA.	Mme-M300006110	ILMN_2610190	0	0
57811	Rgr	-0.308	-0.382	-0.091	0	0	0	0	0	0	NM_021340	retinal G protein coupled receptor (Rgr), mRNA.	Mme-M200003914	ILMN_2590082	0	0
50778	Rgs1	-0.060	0.355	0.232	0	0	0	0	0	0	NM_015811	regulator of G-protein signaling 1 (Rgs1), mRNA.	Mme-M200008591	ILMN_2625377	0	0
67865	Rgs10	-0.161	-0.113	0.037	0	0	0	0	0	0	NM_026418	regulator of G-protein signalling 10 (Rgs10), mRNA.	Mme-M200003655	ILMN_2699531	0	0
50782	Rgs11	-0.079	-0.015	0.147	0	0	0	0	0	0	NM_001081069	regulator of G-protein signaling 11 (Rgs11), mRNA.	Mme-M200003232	ILMN_2667199	0	0
71729	Rgs12	-0.314	0.445	-0.095	0	1	0	0	0	0	NM_173402	regulator of G-protein signaling 12 (Rgs12), mRNA.	Mme-M200012578	ILMN_2686745	0	0
246709	Rgs13	0.018	0.079	0.099	0	0	0	0	0	0	NM_153171	regulator of G-protein signaling 13 (Rgs13), mRNA.	Mme-M300021735	ILMN_2639953	0	0
51791	Rgs14	-0.321	0.020	-0.044	0	0	0	0	0	0	NM_016758	regulator of G-protein signaling 14 (Rgs14), mRNA.	Mme-M400003994	ILMN_2604548	0	0
19734	Rgs16	0.204	0.218	-0.281	0	0	0	0	0	0	NM_011267	regulator of G-protein signaling 16 (Rgs16), mRNA.	Mme-M300005129	ILMN_2600744	0	0
56533	Rgs17	0.085	0.151	-0.134	0	0	0	0	0	0	NM_019958	regulator of G-protein signaling 17 (Rgs17), mRNA.	Mme-M200014113	ILMN_1249809	0	0
64214	Rgs18	-0.345	0.075	-0.113	0	0	0	0	0	0	NM_022881	regulator of G-protein signaling 18 (Rgs18), mRNA.	Mme-M200009029	ILMN_2990103	0	0
56470	Rgs19	0.070	0.047	-0.092	0	0	0	0	0	0	NM_026446	regulator of G-protein signaling 19 (Rgs19), mRNA.	Mme-M200003820	ILMN_2752044	0	0
19735	Rgs2	0.171	-0.077	0.031	0	0	0	0	0	0	NM_009061	regulator of G-protein signaling 2 (Rgs2), mRNA.	Mme-M200005916	ILMN_2666622	0	0
58175	Rgs20	-0.033	-0.094	0.054	0	0	0	0	0	0	NM_021374	regulator of G-protein signaling 20 (Rgs20), mRNA.	Mme-M200008632	ILMN_1233067	0	0
50780	Rgs3	-0.042	0.199	0.109	0	0	0	0	0	0	NM_134257	regulator of G-protein signaling 3 (Rgs3), transcript variant 2, mRNA.	Mme-M400011863	ILMN_1239208	0	0
19736	Rgs4	-0.141	0.061	-0.042	0	0	0	0	0	0	NM_009062	regulator of G-protein signaling 4 (Rgs4), mRNA.	Mme-M200013683	ILMN_1244081	0	0
19737	Rgs5	0.148	-0.232	-0.199	0	0	0	0	0	0	NM_009063	regulator of G-protein signaling 5 (Rgs5), mRNA.	Mme-M200004027	ILMN_2979824	0	0
50779	Rgs6	-0.139	0.029	-0.039	0	0	0	0	0	0	NM_015812	regulator of G-protein signaling 6 (Rgs6), mRNA.	Mme-M200003916	ILMN_1235475	0	0
24012	Rgs7	0.142	0.049	-0.093	0	0	0	0	0	0	NM_011880	regulator of G protein signaling 7 (Rgs7), mRNA.	Mme-M300005158	ILMN_1237219	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
52882	Rgs7bp	-0.155	-0.300	-0.241	0	0	0	0	0	0	NM_029879	regulator of G-protein signalling 7 binding protein (Rgs7bp), mRNA.	Mme-M400000506	ILMN_2733314	0	0
67792	Rgs8	-0.241	0.033	-0.121	0	0	0	0	0	0	NM_026380	regulator of G-protein signaling 8 (Rgs8), mRNA.	Mme-M200013962	ILMN_2732430	0	0
19739	Rgs9	0.418	0.363	-0.404	0	0	-1	0	0	0	NM_011268	regulator of G-protein signalling 9 (Rgs9), mRNA.	Mme-M200008094	ILMN_1250689	0	0
243923	Rgs9bp	-0.187	0.103	-0.069	0	0	0	0	0	0	NM_145840	regulator of G-protein signalling 9 binding protein (Rgs9bp), mRNA.	Mme-M400005386	ILMN_2795473	0	0
19743	Rhag	0.091	0.132	0.111	0	0	0	0	0	0	NM_011269	Rhesus blood group-associated A glycoprotein (Rhag), mRNA.	Mme-M200003210	ILMN_2745515	0	0
76867	Rhbdd1	-0.116	0.082	0.084	0	0	0	0	0	0	NM_029777	rhomboid domain containing 1 (Rhbdd1), transcript variant 1, mRNA.	Mme-M300004960	ILMN_2680086	0	0
215160	Rhbdd2	-0.018	0.149	-0.132	0	0	0	0	0	0	NM_146002	rhomboid domain containing 2 (Rhbdd2), mRNA.	Mme-M200006004	ILMN_2709690	0	0
279766	Rhbdd3	-0.176	0.000	-0.059	0	0	0	0	0	0	NM_177370	rhomboid domain containing 3 (Rhbdd3), mRNA.	Mme-M300009193	ILMN_2595266	0	0
13650	Rhbdf1	0.100	-0.061	-0.161	0	0	0	0	0	0	NM_010117	rhomboid family 1 (Drosophila) (Rhbdf1), mRNA.	Mme-M300002110	ILMN_2657828	0	0
217344	Rhbdf2	-0.105	-0.088	-0.025	0	0	0	0	0	0	NM_172572	rhomboid 5 homolog 2 (Drosophila) (Rhbdf2), mRNA.	Mme-M300002403	ILMN_1221129	0	0
214951	Rhbdl1	0.001	0.249	-0.228	0	0	0	0	0	0	NM_144816	rhomboid, veinlet-like 1 (Drosophila) (Rhbdl1), mRNA.	Mme-M200008330	ILMN_2710802	0	0
230726	Rhbdl2	-0.075	-0.225	0.166	0	0	0	0	0	0	NM_183163	rhomboid, veinlet-like 2 (Drosophila) (Rhbdl2), mRNA.	Mme-M400004615	ILMN_2891245	0	0
246104	Rhbdl3	-0.351	0.221	0.015	0	0	0	0	0	0	NM_139228	rhomboid, veinlet-like 3 (Drosophila) (Rhbdl3), mRNA.	Mme-M300001603	ILMN_2598805	0	0
58176	Rhbg	-0.162	0.027	0.039	0	0	0	0	0	0	NM_021375	Rhesus blood group-associated B glycoprotein (Rhbg), mRNA.	Mme-M200008635	ILMN_2707645	0	0
56315	Rhcg	0.065	0.049	-0.008	0	0	0	0	0	0	NM_019799	Rhesus blood group-associated C glycoprotein (Rhcg), mRNA.	Mme-M200003015	ILMN_2597034	0	0
19746	Rhd	0.151	-0.086	0.078	0	0	0	0	0	0	NM_011270	Rh blood group, D antigen (Rhd), mRNA.	Mme-M200012281	ILMN_2651609	0	0
19744	Rheb	0.033	0.162	0.042	0	0	0	0	0	0	NM_053075	RAS-homolog enriched in brain (Rheb), mRNA.	Mme-M200009812	ILMN_2774813	0	0
69159	Rhebl1	-0.092	-0.051	0.008	0	0	0	0	0	0	NM_026967	Ras homolog enriched in brain like 1 (Rhebl1), mRNA.	Mme-M200006679	ILMN_2591469	0	0
72440	Rhno1	0.255	-0.026	-0.045	0	0	0	0	0	0	NM_197981	RIKEN cDNA 5930416I19 gene (5930416I19Rik), mRNA.	Mme-M300019447	ILMN_2724719	0	0
212541	Rho	-0.367	0.046	-0.072	0	0	0	0	0	0	NM_145383	rhodopsin (Rho), mRNA.	Mme-M200001132	ILMN_1228510	0	0
11848	Rhoa	-0.042	0.184	0.054	0	0	0	0	0	0	NM_016802	ras homolog gene family, member A (Rhoa), mRNA.	Mme-M300000921	ILMN_1219914	0	0
11852	Rhob	0.046	-0.014	0.183	0	0	0	0	0	0	NM_007483	ras homolog gene family, member B (Rhob), mRNA.	Mme-M400004784	ILMN_1215212	0	0
69288	Rhobtb1	-0.088	-0.253	0.235	0	0	0	0	0	0	NM_001081347	Rho-related BTB domain containing 1 (Rhobtb1), mRNA.	Mme-M400013962	ILMN_1252902	0	0
246710	Rhobtb2	-0.125	0.200	-0.181	0	0	0	0	0	0	NM_153514	Rho-related BTB domain containing 2 (Rhobtb2), mRNA.	Mme-M200008482	ILMN_1228970	0	0
73296	Rhobtb3	-0.133	-0.287	-0.068	0	0	0	0	0	0	NM_028493	Rho-related BTB domain containing 3 (Rhobtb3), mRNA.	Mme-M200015349	ILMN_1221243	0	0
11853	Rhoc	0.087	0.302	-0.161	0	0	0	0	0	0	NM_007484	ras homolog gene family, member C (Rhoc), mRNA.	Mme-M200000097	ILMN_2790097	0	0
11854	Rhod	-0.170	-0.077	-0.113	0	0	0	0	0	0	NM_007485	ras homolog gene family, member D (Rhod), mRNA.	Mme-M300013384	ILMN_2862379	0	0
23912	Rhof	-0.068	0.231	-0.045	0	0	0	0	0	0	NM_175092	ras homolog gene family, member f (Rhof), mRNA.	Mme-M300006684	ILMN_2992047	0	0
56212	Rhog	-0.008	0.218	0.056	0	0	0	0	0	0	NM_019566	ras homolog gene family, member G (Rhog), mRNA.	Mme-M400003533	ILMN_2592620	0	0
74734	Rhoh	0.001	-0.032	-0.073	0	0	0	0	0	0	NM_001081105	ras homolog gene family, member H (Rhoh), mRNA.	Mme-M200003866	ILMN_2720807	0	0
80837	Rhoj	0.185	-0.153	0.019	0	0	0	0	0	0	NM_023275	ras homolog gene family, member J (Rhoj), mRNA.	Mme-M200005564	ILMN_2653567	0	0
104215	Rhoq	0.185	-0.006	0.058	0	0	0	0	0	0	NM_145491	ras homolog gene family, member Q (Rhoq), mRNA.	Mme-M300003942	ILMN_2629395	0	0
59040	Rhot1	0.048	-0.093	-0.014	0	0	0	0	0	0	NM_021536	ras homolog gene family, member T1 (Rhot1), mRNA.	Mme-M200004923	ILMN_1242500	0	0
214952	Rhot2	0.055	0.187	-0.164	0	0	0	0	0	0	NM_145999	ras homolog gene family, member T2 (Rhot2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003726	ILMN_2839134	0	0
69581	Rhou	0.083	-0.104	0.009	0	0	0	0	0	0	NM_133955	ras homolog gene family, member U (Rhou), mRNA.	Mme-M200006246	ILMN_1237773	0	0
228543	Rhov	-0.025	-0.026	-0.067	0	0	0	0	0	0	NM_145530	ras homolog gene family, member V (Rhov), mRNA.	Mme-M400011901	ILMN_2859528	0	0
434769	Rhox10	-0.010	0.030	-0.094	0	0	0	0	0	0	NM_001024850	reproductive homeobox 10 (Rhox10), mRNA.	Mme-M400004635	ILMN_3162042	0	0
194738	Rhox11	0.157	0.016	0.088	0	0	0	0	0	0	NM_198598	reproductive homeobox 11 (Rhox11), mRNA.	Mme-M300021692	ILMN_1232695	0	0
73614	Rhox13	0.031	-0.107	0.027	0	0	0	0	0	0	XM_356401	PREDICTED: RIKEN cDNA 1700123J19 gene (1700123J19Rik), mRNA.	Mme-M300020907	ILMN_1237160	0	0
434760	Rhox2d	-0.035	-0.103	-0.025	0	0	0	0	0	0	NM_001081669	reproductive homeobox 2D (Rhox2d), mRNA.	Mme-M400006298	ILMN_2917647	0	0
382209	Rhox3a	-0.111	0.049	-0.040	0	0	0	0	0	0	NM_194063	reproductive homeobox 3A (Rhox3a), mRNA.	Mme-M400007129	ILMN_2928374	0	0
57737	Rhox4b	-0.120	-0.137	-0.097	0	0	0	0	0	0	NM_021300	reproductive homeobox 4B (Rhox4b), mRNA.	Mme-M400009715	ILMN_3012158	0	0
18617	Rhox5	-0.329	0.089	-0.019	0	0	0	0	0	0	NM_008818	reproductive homeobox 5 (Rhox5), mRNA.	Mme-M400010862	ILMN_2762935	0	0
19202	Rhox6	-0.398	-0.010	-0.014	0	0	0	0	0	0	NM_008955	reproductive homeobox 6 (Rhox6), mRNA.	Mme-M200002868	ILMN_1250192	0	0
434768	Rhox8	-0.308	0.010	0.017	0	0	0	0	0	0	NM_001004193	reproductive homeobox 8 (Rhox8), mRNA.	Mme-M300018128	ILMN_2784392	0	0
104384	Rhox9	-0.228	-0.130	0.032	0	0	0	0	0	0	NM_023894	reproductive homeobox 9 (Rhox9), mRNA.	Mme-M400009717	ILMN_1234077	0	0
14787	Rhpn1	0.008	-0.060	0.065	0	0	0	0	0	0	NM_008164	rhophilin, Rho GTPase binding protein 1 (Rhpn1), mRNA.	Mme-M200014910	ILMN_2759266	0	0
52428	Rhpn2	-0.018	-0.215	0.166	0	0	0	0	0	0	NM_027897	rhophilin, Rho GTPase binding protein 2 (Rhpn2), mRNA.	Mme-M200007749	ILMN_2608133	0	0
66611	Ribc1	-0.216	-0.149	0.028	0	0	0	0	0	0	NM_025660	RIB43A domain with coiled-coils 1 (Ribc1), mRNA.	Mme-M200009985	ILMN_2688533	0	0
67747	Ribc2	0.048	0.039	0.039	0	0	0	0	0	0	XM_283290	PREDICTED: RIB43A domain with coiled-coils 2, transcript variant 1 (Ribc2), mRNA.	Mme-M300003281	ILMN_1253464	0	0
320360	Ric3	-0.392	-0.108	-0.111	0	0	0	0	0	0	NM_178780	resistance to inhibitors of cholinesterase 3 homolog (C. elegans) (Ric3), transcript variant 2, mRNA.	Mme-M400003404	ILMN_2624193	0	0
101489	Ric8	0.268	0.046	0.016	0	0	0	0	0	0	NM_053194	resistance to inhibitors of cholinesterase 8 homolog (C. elegans) (Ric8), mRNA.	Mme-M200007538	ILMN_1244025	0	0
237422	Ric8b	0.086	-0.239	0.172	0	0	0	0	0	0	NM_001013441	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans) (Ric8b), transcript variant 1, mRNA.	Mme-M300010018	ILMN_2728107	0	0
78757	Rictor	0.065	-0.179	-0.069	0	0	0	0	0	0	NM_030168	RIKEN cDNA 4921505C17 gene (4921505C17Rik), mRNA.	Mme-M200013402	ILMN_1241522	0	0
51869	Rif1	0.108	0.046	0.107	0	0	0	0	0	0	NM_175238	Rap1 interacting factor 1 homolog (yeast) (Rif1), mRNA.	Mme-M400012291	ILMN_1243796	0	0
66353	Riiad1	0.206	-0.108	-0.119	0	0	0	0	0	0	NM_025506	RIKEN cDNA 2310007A19 gene (2310007A19Rik), mRNA.	Mme-M200014498	ILMN_1222196	0	0
280408	Rilp	-0.009	-0.111	-0.144	0	0	0	0	0	0	NM_001029938	Rab interacting lysosomal protein (Rilp), mRNA.	Mme-M300011409	ILMN_1218228	0	0
75695	Rilpl1	0.398	0.230	0.059	0	0	0	0	0	0	NM_021430	Rab interacting lysosomal protein-like 1 (Rilpl1), mRNA.	Mme-M200013516	ILMN_2848163	0	0
80291	Rilpl2	0.334	0.039	-0.072	0	0	0	0	0	0	NM_030259	Rab interacting lysosomal protein-like 2 (Rilpl2), mRNA.	Mme-M200006588	ILMN_2763710	0	0
231760	Rimbp2	0.172	-0.080	0.102	0	0	0	0	0	0	NM_001081388	RIMS binding protein 2 (Rimbp2), mRNA.	Mme-M300006671	ILMN_1236311	0	0
239731	Rimbp3	-0.158	-0.078	0.081	0	0	0	0	0	0	NM_001033338	RIMS binding protein 3 (Rimbp3), mRNA.	Mme-M400002541	ILMN_2530003	0	0
194237	Rimkla	-0.177	-0.170	-0.113	0	0	0	0	0	0	NM_177572	cDNA sequence BC057371 (BC057371), mRNA.	Mme-M300019673	ILMN_2879195	0	0
108653	Rimklb	-0.250	-0.039	-0.022	0	0	0	0	0	0	NM_027664	RIKEN cDNA 4933426K21 gene (4933426K21Rik), mRNA.	Mme-M400009453	ILMN_2607434	0	0
116837	Rims1	-0.115	-0.143	-0.065	0	0	0	0	0	0	NM_053270	regulating synaptic membrane exocytosis 1 (Rims1), transcript variant 1, mRNA.	Mme-M400007981	ILMN_3058780	0	0
116838	Rims2	0.031	0.075	0.053	0	0	0	0	0	0	NM_053271	regulating synaptic membrane exocytosis 2 (Rims2), mRNA.	Mme-M400005740	ILMN_2740869	0	0
241770	Rims4	-0.015	0.047	0.069	0	0	0	0	0	0	NM_183023	regulating synaptic membrane exocytosis 4 (Rims4), mRNA.	Mme-M300009792	ILMN_1231036	0	0
225870	Rin1	-0.146	0.218	0.028	0	0	0	0	0	0	NM_145495	Ras and Rab interactor 1 (Rin1), mRNA.	Mme-M200014791	ILMN_2650289	0	0
74030	Rin2	0.029	-0.190	0.351	0	0	1	0	0	0	NM_028724	Ras and Rab interactor 2 (Rin2), mRNA.	Mme-M200001173	ILMN_2663196	0	0
217835	Rin3	-0.096	-0.046	-0.024	0	0	0	0	0	0	NM_177620	Ras and Rab interactor 3 (Rin3), mRNA.	Mme-M300015475	ILMN_2665545	0	0
19763	Ring1	0.132	-0.014	-0.040	0	0	0	0	0	0	NM_009066	ring finger protein 1 (Ring1), mRNA.	Mme-M200003869	ILMN_2932539	0	0
320435	Rinl	-0.077	0.085	0.217	0	0	0	0	0	0	NM_177158	RIKEN cDNA 5830482F20 gene (5830482F20Rik), mRNA.	Mme-M400003871	ILMN_2662316	0	0
72772	Rint1	0.209	-0.047	-0.109	0	0	0	0	0	0	NM_177323	RAD50 interactor 1 (Rint1), mRNA.	Mme-M300006420	ILMN_1248855	0	0
71340	Riok1	0.097	0.075	-0.038	0	0	0	0	0	0	NM_024242	RIO kinase 1 (yeast) (Riok1), mRNA.	Mme-M200003240	ILMN_2940802	0	0
67045	Riok2	0.251	0.052	0.046	0	0	0	0	0	0	NM_025934	RIO kinase 2 (yeast) (Riok2), mRNA.	Mme-M200007487	ILMN_1228663	0	0
66878	Riok3	-0.381	-0.078	-0.047	0	0	0	0	0	0	NM_024182	RIO kinase 3 (yeast) (Riok3), mRNA.	Mme-M200006063	ILMN_1215768	0	0
19766	Ripk1	0.170	-0.076	0.058	0	0	0	0	0	0	NM_009068	receptor (TNFRSF)-interacting serine-threonine kinase 1 (Ripk1), mRNA.	Mme-M200001212	ILMN_2753492	0	0
192656	Ripk2	0.394	0.095	0.129	0	0	0	0	0	0	NM_138952	receptor (TNFRSF)-interacting serine-threonine kinase 2 (Ripk2), mRNA.	Mme-M300013032	ILMN_2634970	0	0
56532	Ripk3	-0.064	0.116	0.053	0	0	0	0	0	0	NM_019955	receptor-interacting serine-threonine kinase 3 (Ripk3), mRNA.	Mme-M200014559	ILMN_2750356	0	0
72388	Ripk4	-0.080	-0.194	-0.183	0	0	0	0	0	0	NM_023663	receptor-interacting serine-threonine kinase 4 (Ripk4), mRNA.	Mme-M200007733	ILMN_2774497	0	0
382089	Ripply2	0.105	0.091	0.015	0	0	0	0	0	0	NM_001037907	ripply2 homolog (zebrafish) (Ripply2), mRNA.	Mme-M300018724	ILMN_1250174	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
170765	Ripply3	-0.371	0.012	0.013	0	0	0	0	0	0	NM_133229	ripply3 homolog (zebrafish) (Ripply3), mRNA.	Mme-M200013956	ILMN_2691557	0	0
19769	Rit1	0.017	0.014	0.019	0	0	0	0	0	0	NM_009069	Ras-like without CAAX 1 (Rit1), mRNA.	Mme-M400010883	ILMN_1228359	0	0
19762	Rit2	0.266	0.107	0.047	0	0	0	0	0	0	NM_009065	Ras-like without CAAX 2 (Rit2), mRNA.	Mme-M200002186	ILMN_1237399	0	0
100764	Rita1	0.001	0.052	-0.061	0	0	0	0	0	0	NM_029096	RIKEN cDNA 1110008J03 gene (1110008J03Rik), mRNA.	Mme-M200002811	ILMN_2646001	0	0
19771	Rlbp1	-0.209	0.039	-0.045	0	0	0	0	0	0	NM_020599	retinaldehyde binding protein 1 (Rlbp1), mRNA.	Mme-M300012019	ILMN_2848906	0	0
109263	Rlf	0.122	-0.072	-0.048	0	0	0	0	0	0	NM_001081013	rearranged L-myc fusion sequence (Rlf), mRNA.	Mme-M400010340	ILMN_2444886	0	0
19820	Rlim	-0.018	-0.053	-0.025	0	0	0	0	0	0	NM_011276	ring finger protein 12 (Rnf12), mRNA.	Mme-M300007676	ILMN_2684450	0	0
19773	Rln1	-0.179	0.000	-0.160	0	0	0	0	0	0	NM_011272	relaxin 1 (Rln1), mRNA.	Mme-M300011946	ILMN_1249886	0	0
212108	Rln3	-0.387	-0.020	0.013	0	0	0	0	0	0	NM_173184	relaxin 3 (Rln3), mRNA.	Mme-M300016202	ILMN_2619211	0	0
234695	Rltpr	-0.176	0.132	-0.064	0	0	0	0	0	0	NM_001033320	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing (Rltpr), mRNA.	Mme-M300021057	ILMN_2891274	0	0
66302	Rmdn1	0.108	-0.042	0.092	0	0	0	0	0	0	NM_025476	RIKEN cDNA 2410005O16 gene (2410005O16Rik), mRNA.	Mme-M200014529	ILMN_2987015	0	0
381110	Rmdn2	0.216	-0.122	-0.074	0	0	0	0	0	0	NM_201361	expressed sequence AW061290 (AW061290), mRNA.	Mme-M300010352	ILMN_3054840	0	0
67809	Rmdn3	0.298	0.232	0.243	0	0	0	0	0	0	NM_001033136	RIKEN cDNA 1200015F23 gene (1200015F23Rik), mRNA.	Mme-M400002586	ILMN_2753515	0	0
74386	Rmi1	-0.207	0.049	0.079	0	0	0	0	0	0	NM_028904	RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae) (Rmi1), mRNA.	Mme-M400001800	ILMN_1249493	0	0
66084	Rmnd1	0.011	0.068	-0.096	0	0	0	0	0	0	NM_025343	required for meiotic nuclear division 1 homolog (S. cerevisiae) (Rmnd1), mRNA.	Mme-M300021565	ILMN_3150205	0	0
68477	Rmnd5a	-0.059	-0.099	-0.113	0	0	0	0	0	0	NM_024288	required for meiotic nuclear division 5 homolog A (S. cerevisiae) (Rmnd5a), mRNA.	Mme-M400000051	ILMN_1254554	0	0
66089	Rmnd5b	-0.183	-0.031	-0.208	0	0	0	0	0	0	NM_025346	required for meiotic nuclear division 5 homolog B (S. cerevisiae) (Rmnd5b), mRNA.	Mme-M200005964	ILMN_2918663	0	0
19752	Rnase1	0.239	-0.141	0.056	0	0	0	0	0	0	NM_011271	ribonuclease, RNase A family, 1 (pancreatic) (Rnase1), mRNA.	Mme-M200001322	ILMN_1220763	0	0
75019	Rnase10	0.023	-0.068	-0.080	0	0	0	0	0	0	NM_029145	ribonuclease, RNase A family, 10 (non-active) (Rnase10), mRNA.	Mme-M200016190	ILMN_2754737	0	0
497113	Rnase11	-0.448	0.094	-0.029	0	0	0	0	0	0	NM_001011877	ribonuclease, RNase A family, 11 (non-active) (Rnase11), mRNA.	Mme-M400006905	ILMN_2877153	0	0
93726	Rnase2a	0.034	-0.167	-0.052	0	0	0	0	0	0	NM_053113	eosinophil-associated, ribonuclease A family, member 11 (Ear11), mRNA.	Mme-M400003274	ILMN_2890019	0	0
54159	Rnase2b	0.083	-0.053	-0.070	0	0	0	0	0	0	NM_019398	eosinophil-associated, ribonuclease A family, member 5 (Ear5), mRNA.	Mme-M400006890	ILMN_2771700	0	0
58809	Rnase4	0.515	0.045	0.312	0	0	1	0	0	0	NM_021472	ribonuclease, RNase A family 4 (Rnase4), transcript variant 1, mRNA.	Mme-M300002981	ILMN_1235657	0	0
78416	Rnase6	0.125	0.340	0.203	0	0	0	0	0	0	NM_030098	ribonuclease, RNase A family, 6 (Rnase6), mRNA.	Mme-M200008661	ILMN_2759309	0	0
328401	Rnase9	0.124	0.040	-0.159	0	0	0	0	0	0	NM_183032	ribonuclease, RNase A family, 9 (non-active) (Rnase9), mRNA.	Mme-M400004096	ILMN_1219190	0	0
19819	Rnaseh1	0.232	0.175	0.078	0	0	0	0	0	0	NM_011275	ribonuclease H1 (Rnaseh1), mRNA.	Mme-M300002285	ILMN_2716585	0	0
69724	Rnaseh2a	0.063	0.009	-0.142	0	0	0	0	0	0	NM_027187	ribonuclease H2, large subunit (Rnaseh2a), mRNA.	Mme-M300007852	ILMN_2746721	0	0
67153	Rnaseh2b	-0.108	0.246	0.144	0	0	0	0	0	0	NM_026001	ribonuclease H2, subunit B (Rnaseh2b), mRNA.	Mme-M300003020	ILMN_2622208	0	0
68209	Rnaseh2c	0.133	-0.024	-0.016	0	0	0	0	0	0	NM_026616	ribonuclease H2, subunit C (Rnaseh2c), mRNA.	Mme-M200006130	ILMN_1259794	0	0
52898	Rnasek	0.008	0.025	-0.009	0	0	0	0	0	0	NM_173742	ribonuclease, RNase K (Rnasek), mRNA.	Mme-M300012935	ILMN_2593134	0	0
24014	Rnasel	0.027	0.057	0.017	0	0	0	0	0	0	NM_011882	ribonuclease L (2', 5'-oligoisoadenylate synthetase-dependent) (Rnasel), mRNA.	Mme-M400011175	ILMN_1257798	0	0
100037283	Rnaset2a	0.707	0.155	-0.215	1	0	0	0	0	0	NM_001083938	ribonuclease T2A (Rnaset2a), mRNA.	Mme-M400006826	ILMN_3154111	0	0
223881	Rnd1	-0.230	-0.055	-0.037	0	0	0	0	0	0	NM_172612	Rho family GTPase 1 (Rnd1), mRNA.	Mme-M300000412	ILMN_1243466	0	0
11858	Rnd2	-0.053	0.015	0.117	0	0	0	0	0	0	NM_009708	Rho family GTPase 2 (Rnd2), mRNA.	Mme-M300000179	ILMN_2735865	0	0
74194	Rnd3	-0.052	0.097	0.087	0	0	0	0	0	0	NM_028810	Rho family GTPase 3 (Rnd3), mRNA.	Mme-M200014530	ILMN_1230157	0	0
50849	Rnf10	-0.037	0.135	-0.138	0	0	0	0	0	0	NM_016698	ring finger protein 10 (Rnf10), mRNA.	Mme-M200006805	ILMN_2789888	0	0
22644	Rnf103	0.113	-0.182	0.054	0	0	0	0	0	0	NM_009543	ring finger protein 103 (Rnf103), mRNA.	Mme-M400004201	ILMN_2759058	0	0
29864	Rnf11	0.130	-0.308	0.082	0	0	0	0	0	0	NM_013876	ring finger protein 11 (Rnf11), mRNA.	Mme-M200005075	ILMN_1216143	0	0
93836	Rnf111	0.255	0.049	-0.073	0	0	0	0	0	0	NM_033604	ring finger 111 (Rnf111), mRNA.	Mme-M300008124	ILMN_2614080	0	0
22671	Rnf112	0.081	-0.216	0.100	0	0	0	0	0	0	NM_009548	zinc finger protein 179 (Zfp179), mRNA.	Mme-M300001087	ILMN_1220743	0	0
69942	Rnf113a1	0.172	-0.023	-0.127	0	0	0	0	0	0	NM_153503	ring finger protein 113A1 (Rnf113a1), mRNA.	Mme-M300010421	ILMN_2588728	0	0
66381	Rnf113a2	0.092	-0.024	-0.031	0	0	0	0	0	0	NM_025525	ring finger protein 113A2 (Rnf113a2), mRNA.	Mme-M400011495	ILMN_1250750	0	0
81018	Rnf114	0.184	0.231	0.039	0	0	0	0	0	0	NM_030743	zinc finger protein 313 (Zfp313), mRNA.	Mme-M200011720	ILMN_2429754	0	0
67845	Rnf115	0.355	0.056	-0.008	0	0	0	0	0	0	NM_026406	zinc finger protein 364 (Zfp364), mRNA.	Mme-M400011561	ILMN_1237551	0	0
75212	Rnf121	-0.202	0.108	-0.185	0	0	0	0	0	0	NM_029211	ring finger protein 121 (Rnf121), mRNA.	Mme-M400011662	ILMN_2903529	0	0
68867	Rnf122	-0.137	-0.058	0.059	0	0	0	0	0	0	NM_175136	ring finger protein 122 (Rnf122), mRNA.	Mme-M300012100	ILMN_2737725	0	0
84585	Rnf123	0.227	0.064	-0.059	0	0	0	0	0	0	NM_032543	ring finger protein 123 (Rnf123), mRNA.	Mme-M200004426	ILMN_2975900	0	0
67664	Rnf125	0.058	-0.323	0.416	0	0	1	0	0	1	NM_026301	ring finger protein 125 (Rnf125), mRNA.	Mme-M200014355	ILMN_2917338	1	0
70294	Rnf126	0.122	-0.171	-0.065	0	0	0	0	0	0	NM_144528	ring finger protein 126 (Rnf126), mRNA.	Mme-M200005646	ILMN_1255277	0	0
66889	Rnf128	0.225	-0.061	0.042	0	0	0	0	0	0	NM_023270	ring finger protein 128 (Rnf128), mRNA.	Mme-M200005688	ILMN_2642781	0	0
24017	Rnf13	-0.223	0.068	-0.073	0	0	0	0	0	0	NM_011883	ring finger protein 13 (Rnf13), transcript variant 2, mRNA.	Mme-M400011176	ILMN_2624767	0	0
59044	Rnf130	0.216	-0.164	0.120	0	0	0	0	0	0	NM_021540	ring finger protein 130 (Rnf130), mRNA.	Mme-M200005659	ILMN_1249569	0	0
386611	Rnf133	-0.098	0.034	0.088	0	0	0	0	0	0	NM_198251	ring finger protein 133 (Rnf133), mRNA.	Mme-M400003948	ILMN_2982288	0	0
71956	Rnf135	-0.093	-0.133	-0.082	0	0	0	0	0	0	NM_028019	ring finger protein 135 (Rnf135), mRNA.	Mme-M300002354	ILMN_2655034	0	0
56515	Rnf138	-0.043	0.161	0.131	0	0	0	0	0	0	NM_019706	ring finger protein 138 (Rnf138), transcript variant 2, mRNA.	Mme-M300004059	ILMN_1220310	0	0
74264	Rnf138rt1	-0.213	0.067	-0.002	0	0	0	0	0	0	NR_003640	RIKEN cDNA 1700045I19 gene (1700045I19Rik) on chromosome X.	Mme-M200008185	ILMN_2967255	0	0
75841	Rnf139	0.290	-0.065	0.103	0	0	0	0	0	0	NM_175226	ring finger protein 139 (Rnf139), mRNA.	Mme-M300010717	ILMN_2690968	0	0
56736	Rnf14	0.121	0.109	0.129	0	0	0	0	0	0	NM_020012	ring finger protein 14 (Rnf14), mRNA.	Mme-M200004286	ILMN_2675078	0	0
108089	Rnf144a	-0.055	-0.312	0.108	0	0	0	0	0	0	NM_080563	ring finger protein 144A (Rnf144a), transcript variant 2, mRNA.	Mme-M400008812	ILMN_2678127	0	0
218215	Rnf144b	-0.057	-0.024	-0.062	0	0	0	0	0	0	NM_146042	ring finger protein 144B (Rnf144b), mRNA.	Mme-M400011922	ILMN_2703642	0	0
74315	Rnf145	0.084	0.131	0.024	0	0	0	0	0	0	NM_028862	ring finger protein 145 (Rnf145), mRNA.	Mme-M200009873	ILMN_2678851	0	0
68031	Rnf146	0.114	0.043	-0.127	0	0	0	0	0	0	NM_026518	ring finger protein 146 (Rnf146), transcript variant 4, mRNA.	Mme-M200006235	ILMN_2551055	0	0
71300	Rnf148	-0.063	0.076	-0.032	0	0	0	0	0	0	XM_889230	PREDICTED: ring finger protein 148 (Rnf148), mRNA.	Mme-M400013563	ILMN_2448740	0	0
67702	Rnf149	-0.252	-0.102	0.065	0	0	0	0	0	0	NM_001033135	ring finger protein 149 (Rnf149), mRNA.	Mme-M400003393	ILMN_2692563	0	0
330812	Rnf150	-0.217	-0.084	-0.014	0	0	0	0	0	0	NM_177378	ring finger protein 150 (Rnf150), mRNA.	Mme-M300018582	ILMN_2469285	0	0
67504	Rnf151	0.046	0.011	0.035	0	0	0	0	0	0	NM_026205	ring finger protein 151 (Rnf151), mRNA.	Mme-M300000967	ILMN_2648122	0	0
225743	Rnf165	0.194	0.165	0.033	0	0	0	0	0	0	XM_001481319	PREDICTED: ring finger protein 165 (Rnf165), mRNA.	Mme-M400013873	ILMN_2726781	0	0
68718	Rnf166	0.244	-0.196	-0.041	0	0	0	0	0	0	NM_001033142	ring finger protein 166 (Rnf166), mRNA.	Mme-M400000212	ILMN_2753021	0	0
70510	Rnf167	0.256	-0.111	-0.140	0	0	0	0	0	0	NM_027445	ring finger protein 167 (Rnf167), mRNA.	Mme-M200006319	ILMN_2892856	0	0
70238	Rnf168	-0.173	-0.032	-0.129	0	0	0	0	0	0	NM_027355	ring fnger protein 168 (Rnf168), mRNA.	Mme-M300001257	ILMN_2665959	0	0
30054	Rnf17	-0.255	0.061	-0.064	0	0	0	0	0	0	NM_001033043	ring finger protein 17 (Rnf17), mRNA.	Mme-M300000060	ILMN_1245059	0	0
77733	Rnf170	-0.083	-0.186	0.460	0	0	1	0	0	1	NM_029965	ring finger protein 170 (Rnf170), mRNA.	Mme-M400000201	ILMN_2481836	1	0
66510	Rnf181	-0.067	0.063	-0.071	0	0	0	0	0	0	NM_025607	ring finger protein 181 (Rnf181), mRNA.	Mme-M400005320	ILMN_2606015	0	0
328234	Rnf182	-0.078	0.061	-0.057	0	0	0	0	0	0	NM_183204	ring finger protein 182 (Rnf182), mRNA.	Mme-M300015204	ILMN_2942628	0	0
76072	Rnf183	0.312	-0.031	0.013	0	0	0	0	0	0	NM_153504	ring finger protein 183 (Rnf183), mRNA.	Mme-M400006520	ILMN_2753932	0	0
193670	Rnf185	-0.217	0.136	-0.153	0	0	0	0	0	0	NM_145355	ring finger protein 185 (Rnf185), mRNA.	Mme-M200009197	ILMN_2643067	0	0
66825	Rnf186	0.147	-0.047	-0.020	0	0	0	0	0	0	NM_025786	ring finger protein 186 (Rnf186), mRNA.	Mme-M200006391	ILMN_2663996	0	0
108660	Rnf187	-0.038	-0.168	0.058	0	0	0	0	0	0	XM_905766	PREDICTED: ring finger protein 187 (Rnf187), mRNA.	Mme-M200014754	ILMN_2701339	0	0
30945	Rnf19a	0.002	-0.147	0.083	0	0	0	0	0	0	NM_013923	ring finger protein 19A (Rnf19a), mRNA.	Mme-M200002200	ILMN_2424138	0	0
75234	Rnf19b	0.204	0.419	0.059	0	0	0	0	0	0	XM_910375	PREDICTED: IBR domain containing 3 (Ibrdc3), mRNA.	Mme-M200003735	ILMN_2700689	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19821	Rnf2	0.149	0.036	0.022	0	0	0	0	0	0	NM_011277	ring finger protein 2 (Rnf2), mRNA.	Mme-M200007110	ILMN_1223375	0	0
109331	Rnf20	0.012	-0.036	-0.073	0	0	0	0	0	0	NM_182999	ring finger protein 20 (Rnf20), mRNA.	Mme-M200004991	ILMN_1252308	0	0
433809	Rnf207	-0.317	0.075	-0.102	0	0	0	0	0	0	NM_001033489	ring finger protein 207 (Rnf207), mRNA.	Mme-M400006369	ILMN_1237330	0	0
68846	Rnf208	-0.015	-0.004	-0.147	0	0	0	0	0	0	NM_176834	ring finger protein 208 (Rnf208), mRNA.	Mme-M300015636	ILMN_2636349	0	0
671564	Rnf212	-0.455	0.024	0.012	0	0	0	0	0	0	XM_001475859	PREDICTED: similar to ring finger protein 212 (LOC671564), mRNA.	Mme-M400005151	ILMN_2670827	0	0
235315	Rnf214	0.029	0.042	-0.098	0	0	0	0	0	0	NM_178709	ring finger protein 214 (Rnf214), mRNA.	Mme-M300013892	ILMN_2642886	0	0
71673	Rnf215	0.020	-0.018	0.015	0	0	0	0	0	0	NM_027859	ring finger protein 215 (Rnf215), mRNA.	Mme-M200005536	ILMN_2718462	0	0
108086	Rnf216	-0.324	0.139	-0.081	0	0	0	0	0	0	NM_080561	ring finger protein 216 (Rnf216), mRNA.	Mme-M300006752	ILMN_2442516	0	0
72486	Rnf219	-0.161	-0.189	-0.017	0	0	0	0	0	0	NM_026047	ring finger protein 219 (Rnf219), mRNA.	Mme-M300003100	ILMN_2893063	0	0
66743	Rnf220	0.048	-0.135	-0.150	0	0	0	0	0	0	NM_025739	RIKEN cDNA 4931406I20 gene (4931406I20Rik), mRNA.	Mme-M200005927	ILMN_1232532	0	0
320040	Rnf222	0.045	0.008	0.020	0	0	0	0	0	0	NM_177060	RIKEN cDNA 9930039A11 gene (9930039A11Rik), mRNA.	Mme-M300017389	ILMN_1231852	0	0
51902	Rnf24	0.130	-0.091	-0.091	0	0	0	0	0	0	NM_178607	ring finger protein 24 (Rnf24), mRNA.	Mme-M400013858	ILMN_2691509	0	0
57751	Rnf25	0.220	0.137	-0.149	0	0	0	0	0	0	NM_021313	ring finger protein 25 (Rnf25), mRNA.	Mme-M200015785	ILMN_2863905	0	0
268749	Rnf31	0.259	0.253	0.047	0	0	0	0	0	0	NM_194346	ring finger protein 31 (Rnf31), mRNA.	Mme-M300001781	ILMN_2595387	0	0
56874	Rnf32	-0.229	0.009	-0.110	0	0	0	0	0	0	NM_021470	ring finger protein 32 (Rnf32), mRNA.	Mme-M200015839	ILMN_2923285	0	0
80751	Rnf34	0.052	0.085	-0.090	0	0	0	0	0	0	NM_030564	ring finger protein 34 (Rnf34), mRNA.	Mme-M200002595	ILMN_2732475	0	0
73469	Rnf38	-0.146	-0.173	-0.083	0	0	0	0	0	0	NM_175201	ring finger protein 38 (Rnf38), transcript variant 1, mRNA.	Mme-M200014251	ILMN_2703286	0	0
19822	Rnf4	0.245	0.093	-0.078	0	0	0	0	0	0	NM_011278	ring finger protein 4 (Rnf4), mRNA.	Mme-M400011118	ILMN_1259754	0	0
233900	Rnf40	0.323	0.134	0.054	0	0	0	0	0	0	NM_172281	ring finger protein 40 (Rnf40), mRNA.	Mme-M300007443	ILMN_2622735	0	0
67588	Rnf41	-0.140	0.070	-0.047	0	0	0	0	0	0	NM_026259	ring finger protein 41 (Rnf41), mRNA.	Mme-M300004608	ILMN_1250630	0	0
207742	Rnf43	-0.391	-0.137	0.012	0	0	0	0	0	0	NM_172448	ring finger protein 43 (Rnf43), mRNA.	Mme-M200015819	ILMN_2979097	0	0
105239	Rnf44	0.201	-0.125	-0.018	0	0	0	0	0	0	NM_134064	ring finger protein 44 (Rnf44), mRNA.	Mme-M400001747	ILMN_2680406	0	0
54197	Rnf5	0.243	-0.008	-0.091	0	0	0	0	0	0	NM_019403	ring finger protein 5 (Rnf5), mRNA.	Mme-M300001416	ILMN_3161066	0	0
74132	Rnf6	0.193	-0.198	0.169	0	0	0	0	0	0	NM_028774	ring finger protein (C3H2C3 type) 6 (Rnf6), mRNA.	Mme-M300006791	ILMN_2975856	0	0
19823	Rnf7	-0.029	-0.047	0.091	0	0	0	0	0	0	NM_011279	ring finger protein 7 (Rnf7), mRNA.	Mme-M200005900	ILMN_2754636	0	0
58230	Rnf8	-0.108	0.061	-0.251	0	0	0	0	0	0	NM_021419	ring finger protein 8 (Rnf8), mRNA.	Mme-M200009131	ILMN_2651534	0	0
76892	Rnft1	0.230	-0.080	-0.073	0	0	0	0	0	0	NM_029788	ring finger protein, transmembrane 1 (Rnft1), mRNA.	Mme-M300002230	ILMN_2973337	0	0
269695	Rnft2	-0.200	-0.003	-0.100	0	0	0	0	0	0	NM_001109902	ring finger protein, transmembrane 2 (Rnft2), transcript variant 2, mRNA.	Mme-M300008486	ILMN_1221852	0	0
24018	Rngtt	0.262	0.032	-0.070	0	0	0	0	0	0	NM_011884	RNA guanylyltransferase and 5'-phosphatase (Rngtt), mRNA.	Mme-M400001078	ILMN_2750669	0	0
67795	Rnls	0.072	0.072	-0.112	0	0	0	0	0	0	XM_001481318	PREDICTED: RIKEN cDNA 6530404N21 gene (6530404N21Rik), mRNA.	Mme-M400003969	ILMN_2691781	0	0
67897	Rnmt	0.123	0.120	-0.094	0	0	0	0	0	0	NM_026440	RNA (guanine-7-) methyltransferase (Rnmt), mRNA.	Mme-M300001048	ILMN_2549697	0	0
67390	Rnmtl1	0.071	0.126	-0.180	0	0	0	0	0	0	NM_183263	RNA methyltransferase like 1 (Rnmtl1), mRNA.	Mme-M200005027	ILMN_2715234	0	0
67225	Rnpc3	0.376	-0.053	-0.002	0	0	0	0	0	0	NM_026043	RNA-binding region (RNP1, RRM) containing 3 (Rnpc3), transcript variant 2, mRNA.	Mme-M200015018	ILMN_2745318	0	0
215615	Rnpep	0.312	-0.157	-0.156	0	0	0	0	0	0	NM_145417	arginyl aminopeptidase (aminopeptidase B) (Rnpep), mRNA.	Mme-M200013340	ILMN_1246024	0	0
108657	Rnpepl1	0.253	-0.125	-0.112	0	0	0	0	0	0	NM_181405	arginyl aminopeptidase (aminopeptidase B)-like 1 (Rnpepl1), mRNA.	Mme-M400000909	ILMN_2666190	0	0
19826	Rnps1	0.221	0.159	-0.150	0	0	0	0	0	0	NM_001080128	ribonucleic acid binding protein S1 (Rnps1), transcript variant 3, mRNA.	Mme-M400001728	ILMN_2690873	0	0
19876	Robo1	-0.074	-0.205	0.084	0	0	0	0	0	0	NM_019413	roundabout homolog 1 (Drosophila) (Robo1), mRNA.	Mme-M400011303	ILMN_1244484	0	0
268902	Robo2	-0.127	-0.170	-0.200	0	0	0	0	0	0	NM_175549	roundabout homolog 2 (Drosophila) (Robo2), mRNA.	Mme-M300009038	ILMN_1222581	0	0
74144	Robo4	0.186	-0.193	0.045	0	0	0	0	0	0	NM_028783	roundabout homolog 4 (Drosophila) (Robo4), mRNA.	Mme-M200005694	ILMN_1219026	0	0
19877	Rock1	0.268	-0.166	0.087	0	0	0	0	0	0	NM_009071	Rho-associated coiled-coil containing protein kinase 1 (Rock1), mRNA.	Mme-M400013014	ILMN_2742675	0	0
19878	Rock2	-0.079	-0.291	0.060	0	0	0	0	0	0	NM_009072	Rho-associated coiled-coil containing protein kinase 2 (Rock2), mRNA.	Mme-M200007827	ILMN_1248041	0	0
66049	Rogdi	0.083	0.133	0.057	0	0	0	0	0	0	NM_133185	rogdi homolog (Drosophila) (Rogdi), mRNA.	Mme-M300003359	ILMN_1222821	0	0
19881	Rom1	-0.027	-0.070	-0.057	0	0	0	0	0	0	NM_009073	rod outer segment membrane protein 1 (Rom1), mRNA.	Mme-M200000239	ILMN_1238331	0	0
67067	Romo1	-0.024	-0.132	-0.432	0	0	-1	0	0	-1	NM_025946	RIKEN cDNA 2010100O12 gene (2010100O12Rik), mRNA.	Mme-M400011521	ILMN_2670427	0	1
76378	Ropn1	-0.041	0.016	0.153	0	0	0	0	0	0	NM_030744	ropporin, rhophilin associated protein 1 (Ropn1), mRNA.	Mme-M200004633	ILMN_1218144	0	0
252967	Ropn1l	-0.046	0.015	-0.007	0	0	0	0	0	0	NM_145852	ropporin 1-like (Ropn1l), mRNA.	Mme-M300003160	ILMN_2773964	0	0
26563	Ror1	-0.141	0.057	0.044	0	0	0	0	0	0	NM_013845	receptor tyrosine kinase-like orphan receptor 1 (Ror1), mRNA.	Mme-M200014996	ILMN_1212823	0	0
26564	Ror2	-0.080	-0.075	-0.051	0	0	0	0	0	0	NM_013846	receptor tyrosine kinase-like orphan receptor 2 (Ror2), mRNA.	Mme-M200015787	ILMN_2729422	0	0
19883	Rora	-0.047	-0.055	0.149	0	0	0	0	0	0	NM_013646	RAR-related orphan receptor alpha (Rora), mRNA.	Mme-M400001439	ILMN_2742686	0	0
225998	Rorb	-0.343	0.160	0.030	0	0	0	0	0	0	NM_146095	RAR-related orphan receptor beta (Rorb), transcript variant 2, mRNA.	Mme-M300010275	ILMN_1252870	0	0
19885	Rorc	0.001	-0.294	-0.040	0	0	0	0	0	0	NM_011281	RAR-related orphan receptor gamma (Rorc), mRNA.	Mme-M200001712	ILMN_2900431	0	0
19886	Ros1	0.235	-0.014	0.074	0	0	0	0	0	0	NM_011282	Ros1 proto-oncogene (Ros1), mRNA.	Mme-M300001878	ILMN_2621507	0	0
19888	Rp1	0.008	-0.035	0.030	0	0	0	0	0	0	NM_011283	retinitis pigmentosa 1 homolog (human) (Rp1h), mRNA.	Mme-M200015506	ILMN_2625575	0	0
271209	Rp1l1	0.079	0.083	-0.066	0	0	0	0	0	0	NM_146246	retinitis pigmentosa 1 homolog (human)-like 1 (Rp1l1), mRNA.	Mme-M400003107	ILMN_1229492	0	0
19889	Rp2h	0.320	0.006	0.036	0	0	0	0	0	0	NM_133669	retinitis pigmentosa 2 homolog (human) (Rp2h), mRNA.	Mme-M300007541	ILMN_2750818	0	0
55934	Rp9	0.096	-0.352	0.104	0	0	0	0	0	0	NM_018739	retinitis pigmentosa 9 (human) (rp9), mRNA.	Mme-M200000174	ILMN_2610127	0	0
68275	Rpa1	0.141	-0.014	0.013	0	0	0	0	0	0	NM_026653	replication protein A1 (Rpa1), mRNA.	Mme-M200011959	ILMN_2750801	0	0
19891	Rpa2	0.134	0.175	-0.027	0	0	0	0	0	0	NM_011284	replication protein A2 (Rpa2), mRNA.	Mme-M400011119	ILMN_2597840	0	0
68240	Rpa3	0.213	0.166	0.220	0	0	0	0	0	0	NM_026632	replication protein A3 (Rpa3), mRNA.	Mme-M300001181	ILMN_1239806	0	0
69723	Rpain	-0.112	0.186	-0.125	0	0	0	0	0	0	NM_027186	RPA interacting protein (Rpain), mRNA.	Mme-M200012041	ILMN_2524776	0	0
68925	Rpap1	0.155	-0.184	-0.079	0	0	0	0	0	0	NM_177294	RNA polymerase II associated protein 1 (Rpap1), mRNA.	Mme-M300009091	ILMN_2602151	0	0
231571	Rpap2	0.063	0.123	-0.067	0	0	0	0	0	0	NM_144911	RNA polymerase II associated protein 2 (Rpap2), mRNA.	Mme-M300008933	ILMN_2609494	0	0
71919	Rpap3	-0.049	-0.027	-0.216	0	0	0	0	0	0	NM_028003	RNA polymerase II associated protein 3 (Rpap3), mRNA.	Mme-M200003079	ILMN_2819530	0	0
66646	Rpe	0.217	0.075	-0.066	0	0	0	0	0	0	NM_025683	ribulose-5-phosphate-3-epimerase (Rpe), mRNA.	Mme-M200014002	ILMN_2633770	0	0
19892	Rpe65	-0.110	0.044	-0.091	0	0	0	0	0	0	NM_029987	retinal pigment epithelium 65 (Rpe65), mRNA.	Mme-M200009048	ILMN_1259961	0	0
67239	Rpf2	-0.110	0.040	0.063	0	0	0	0	0	0	NM_023323	brix domain containing 1 (Bxdc1), transcript variant 1, mRNA.	Mme-M200003043	ILMN_1226709	0	0
19893	Rpgr	0.138	-0.039	0.042	0	0	0	0	0	0	NM_011285	retinitis pigmentosa GTPase regulator (Rpgr), mRNA.	Mme-M400011120	ILMN_2820877	0	0
77945	Rpgrip1	0.175	0.157	-0.063	0	0	0	0	0	0	NM_023879	retinitis pigmentosa GTPase regulator interacting protein 1 (Rpgrip1), mRNA.	Mme-M300000575	ILMN_2681694	0	0
244585	Rpgrip1l	0.017	-0.177	0.113	0	0	0	0	0	0	NM_173431	Rpgrip1-like (Rpgrip1l), mRNA.	Mme-M400001545	ILMN_2729918	0	0
19894	Rph3a	-0.223	0.281	-0.053	0	0	0	0	0	0	NM_011286	rabphilin 3A (Rph3a), mRNA.	Mme-M300006767	ILMN_2595600	0	0
380714	Rph3al	0.304	0.047	-0.020	0	0	0	0	0	0	NM_029548	rabphilin 3A-like (without C2 domains) (Rph3al), mRNA.	Mme-M400008781	ILMN_2713507	0	0
19895	Rpia	0.141	-0.060	-0.002	0	0	0	0	0	0	NM_009075	ribose 5-phosphate isomerase A (Rpia), mRNA.	Mme-M400004527	ILMN_2693985	0	0
110954	Rpl10	0.144	0.002	-0.032	0	0	0	0	0	0	NM_052835	ribosomal protein 10 (Rpl10), mRNA.	Mme-M400000155	ILMN_2740432	0	0
19896	Rpl10a	0.259	0.011	-0.015	0	0	0	0	0	0	NM_011287	ribosomal protein L10A (Rpl10a), mRNA.	Mme-M400002058	ILMN_2902115	0	0
67025	Rpl11	0.352	-0.068	-0.122	0	0	0	0	0	0	NM_025919	ribosomal protein L11 (Rpl11), mRNA.	Mme-M400009308	ILMN_2665229	0	0
269261	Rpl12	0.474	0.100	-0.082	0	0	0	0	0	0	NM_009076	ribosomal protein L12 (Rpl12), mRNA.	Mme-M400002206	ILMN_2874228	0	0
270106	Rpl13	0.502	-0.019	-0.206	0	0	0	0	0	0	NM_016738	ribosomal protein L13 (Rpl13), mRNA.	Mme-M400011256	ILMN_2734921	0	0
22121	Rpl13a	0.256	0.103	-0.140	0	0	0	0	0	0	NM_009438	ribosomal protein L13a (Rpl13a), mRNA.	Mme-M400010933	ILMN_2707834	0	0
67115	Rpl14	0.208	0.048	-0.078	0	0	0	0	0	0	NM_025974	ribosomal protein L14 (Rpl14), mRNA.	Mme-M200014008	ILMN_1227142	0	0
66480	Rpl15	0.239	0.039	-0.148	0	0	0	0	0	0	NM_025586	ribosomal protein L15 (Rpl15), mRNA.	Mme-M400000190	ILMN_1243415	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
319195	Rpl17	0.494	0.138	-0.053	0	0	0	0	0	0	NM_001002239	ribosomal protein L17 (Rpl17), mRNA.	Mme-M300004829	ILMN_2677935	0	0
19899	Rpl18	0.300	0.040	-0.128	0	0	0	0	0	0	NM_009077	ribosomal protein L18 (Rpl18), mRNA.	Mme-M400004366	ILMN_2881322	0	0
19921	Rpl19	0.111	0.069	-0.161	0	0	0	0	0	0	NM_009078	ribosomal protein L19 (Rpl19), mRNA.	Mme-M400010885	ILMN_2869225	0	0
19933	Rpl21	-0.136	0.092	0.080	0	0	0	0	0	0	NM_019647	ribosomal protein L21 (Rpl21), mRNA.	Mme-M300013185	ILMN_1222250	0	0
19934	Rpl22	0.033	0.091	-0.101	0	0	0	0	0	0	NM_009079	ribosomal protein L22 (Rpl22), mRNA.	Mme-M200003255	ILMN_2659229	0	0
68028	Rpl22l1	0.151	-0.046	-0.153	0	0	0	0	0	0	NM_026517	ribosomal protein L22 like 1 (Rpl22l1), mRNA.	Mme-M300012040	ILMN_2678755	0	0
65019	Rpl23	0.022	-0.051	0.126	0	0	0	0	0	0	NM_022891	ribosomal protein L23 (Rpl23), mRNA.	Mme-M300001705	ILMN_2946482	0	0
268449	Rpl23a	0.213	-0.102	0.092	0	0	0	0	0	0	NM_207523	ribosomal protein L23a (Rpl23a), mRNA.	Mme-M400003904	ILMN_1236631	0	0
68193	Rpl24	0.134	0.067	-0.182	0	0	0	0	0	0	NM_024218	ribosomal protein L24 (Rpl24), mRNA.	Mme-M400000590	ILMN_2936118	0	0
19941	Rpl26	0.279	0.124	-0.033	0	0	0	0	0	0	NM_009080	ribosomal protein L26 (Rpl26), mRNA.	Mme-M400008775	ILMN_2737941	0	0
19942	Rpl27	0.309	0.060	-0.102	0	0	0	0	0	0	NM_011289	ribosomal protein L27 (Rpl27), mRNA.	Mme-M400011121	ILMN_2748070	0	0
26451	Rpl27a	0.164	-0.130	-0.244	0	0	0	0	0	0	NM_011975	ribosomal protein L27a (Rpl27a), mRNA.	Mme-M200009395	ILMN_1227653	0	0
19943	Rpl28	0.087	-0.146	-0.109	0	0	0	0	0	0	NM_009081	ribosomal protein L28 (Rpl28), mRNA.	Mme-M400010886	ILMN_2759235	0	0
19944	Rpl29	-0.084	-0.072	-0.048	0	0	0	0	0	0	NM_009082	ribosomal protein L29 (Rpl29), mRNA.	Mme-M300001618	ILMN_2730005	0	0
27367	Rpl3	0.101	-0.078	0.068	0	0	0	0	0	0	NM_013762	ribosomal protein L3 (Rpl3), mRNA.	Mme-M400011223	ILMN_2974021	0	0
19946	Rpl30	0.354	0.193	0.076	0	0	0	0	0	0	NM_009083	ribosomal protein L30 (Rpl30), mRNA.	Mme-M300000997	ILMN_2878424	0	0
114641	Rpl31	0.037	0.192	-0.117	0	0	0	0	0	0	NM_053257	ribosomal protein L31 (Rpl31), mRNA.	Mme-M400007859	ILMN_1218976	0	0
68436	Rpl34	0.269	-0.062	-0.218	0	0	0	0	0	0	NM_001005859	ribosomal protein L34 (Rpl34), transcript variant 2, mRNA.	Mme-M400007634	ILMN_2682218	0	0
66489	Rpl35	0.179	-0.028	0.005	0	0	0	0	0	0	NM_025592	ribosomal protein L35 (Rpl35), mRNA.	Mme-M400008059	ILMN_1227440	0	0
19982	Rpl36a	0.482	-0.111	0.019	0	0	0	0	0	0	NM_019865	ribosomal protein L36a (Rpl36a), mRNA.	Mme-M400011340	ILMN_2753219	0	0
66483	Rpl36al	0.153	0.079	-0.077	0	0	0	0	0	0	NM_025589	ribosomal protein L36a-like (Rpl36al), mRNA.	Mme-M400003602	ILMN_2967528	0	0
67281	Rpl37	0.073	0.060	-0.071	0	0	0	0	0	0	NM_026069	ribosomal protein L37 (Rpl37), mRNA.	Mme-M200002933	ILMN_1236446	0	0
19981	Rpl37a	0.124	0.046	0.004	0	0	0	0	0	0	NM_009084	ribosomal protein L37a (Rpl37a), mRNA.	Mme-M400010887	ILMN_2654896	0	0
67671	Rpl38	0.238	0.038	-0.077	0	0	0	0	0	0	NM_001048058	ribosomal protein L38 (Rpl38), transcript variant 3, mRNA.	Mme-M400009310	ILMN_3135931	0	0
67248	Rpl39	0.387	0.127	-0.038	0	0	0	0	0	0	NM_026055	ribosomal protein L39 (Rpl39), mRNA.	Mme-M300010324	ILMN_2711551	0	0
68172	Rpl39l	-0.457	0.022	0.058	0	0	0	0	0	0	NM_026594	ribosomal protein L39-like (Rpl39l), mRNA.	Mme-M200004670	ILMN_2684892	0	0
66211	Rpl3l	1.480	0.201	-0.508	1	0	-1	1	0	-1	NM_025425	ribosomal protein L3-like (Rpl3l), mRNA.	Mme-M200014433	ILMN_2649810	1	1
67891	Rpl4	0.192	-0.089	0.038	0	0	0	0	0	0	NM_024212	ribosomal protein L4 (Rpl4), mRNA.	Mme-M400001461	ILMN_2874507	0	0
67945	Rpl41	0.223	0.008	0.011	0	0	0	0	0	0	NM_018860	ribosomal protein L41 (Rpl41), mRNA.	Mme-M400007104	ILMN_2620695	0	0
19988	Rpl6	0.183	0.098	-0.042	0	0	0	0	0	0	NM_011290	ribosomal protein L6 (Rpl6), mRNA.	Mme-M400011122	ILMN_2855066	0	0
19989	Rpl7	0.406	0.132	0.011	0	0	0	0	0	0	NM_011291	ribosomal protein L7 (Rpl7), mRNA.	Mme-M400002790	ILMN_2646163	0	0
27176	Rpl7a	0.250	0.061	-0.036	0	0	0	0	0	0	NM_013721	ribosomal protein L7a (Rpl7a), mRNA.	Mme-M400009157	ILMN_2819841	0	0
66229	Rpl7l1	0.118	0.079	0.031	0	0	0	0	0	0	NM_025433	ribosomal protein L7-like 1 (Rpl7l1), mRNA.	Mme-M200013474	ILMN_2661407	0	0
26961	Rpl8	0.038	-0.001	-0.031	0	0	0	0	0	0	NM_012053	ribosomal protein L8 (Rpl8), mRNA.	Mme-M200006816	ILMN_2644469	0	0
20005	Rpl9	0.084	0.132	-0.076	0	0	0	0	0	0	NM_011292	ribosomal protein L9 (Rpl9), mRNA.	Mme-M400009355	ILMN_2851231	0	0
11837	Rplp0	0.389	-0.044	-0.021	0	0	0	0	0	0	NM_007475	acidic ribosomal phosphoprotein P0 (Arbp), mRNA.	Mme-M400010730	ILMN_1249815	0	0
56040	Rplp1	0.034	-0.034	0.056	0	0	0	0	0	0	NM_018853	ribosomal protein, large, P1 (Rplp1), mRNA.	Mme-M400009273	ILMN_2964873	0	0
67186	Rplp2	0.155	0.023	-0.166	0	0	0	0	0	0	NM_026020	ribosomal protein, large P2 (Rplp2), mRNA.	Mme-M300022244	ILMN_2542885	0	0
103963	Rpn1	0.281	-0.012	0.021	0	0	0	0	0	0	NM_133933	ribophorin I (Rpn1), mRNA.	Mme-M200004356	ILMN_2963625	0	0
20014	Rpn2	0.418	-0.035	-0.101	0	0	0	0	0	0	NM_019642	ribophorin II (Rpn2), mRNA.	Mme-M200004297	ILMN_2949266	0	0
20018	Rpo1-3	0.339	-0.020	-0.212	0	0	0	0	0	0	NM_181730	RNA polymerase 1-3 (Rpo1-3), transcript variant 2, mRNA.	Mme-M400007888	ILMN_2680066	0	0
67053	Rpp14	0.123	-0.058	-0.063	0	0	0	0	0	0	NM_025938	ribonuclease P 14 subunit (human) (Rpp14), mRNA.	Mme-M200013756	ILMN_1218584	0	0
67676	Rpp21	0.225	0.037	-0.053	0	0	0	0	0	0	NM_026308	ribonuclease P 21 subunit (human) (Rpp21), mRNA.	Mme-M200005429	ILMN_2726308	0	0
102614	Rpp25	-0.125	0.145	-0.054	0	0	0	0	0	0	NM_133982	ribonuclease P 25 subunit (human) (Rpp25), mRNA.	Mme-M200013592	ILMN_2754222	0	0
69961	Rpp25l	-0.026	0.160	-0.129	0	0	0	0	0	0	NM_027278	RIKEN cDNA 2810432D09 gene (2810432D09Rik), mRNA.	Mme-M200016075	ILMN_2974601	0	0
54364	Rpp30	0.188	0.122	0.094	0	0	0	0	0	0	NM_019428	ribonuclease P/MRP 30 subunit (human) (Rpp30), mRNA.	Mme-M200003093	ILMN_1232428	0	0
227522	Rpp38	0.150	0.116	-0.060	0	0	0	0	0	0	NM_001013376	ribonuclease P/MRP 38 subunit (human) (Rpp38), mRNA.	Mme-M300020662	ILMN_2675514	0	0
225283	Rprd1a	0.046	0.054	-0.080	0	0	0	0	0	0	NM_144861	cDNA sequence BC021395 (BC021395), mRNA.	Mme-M400013952	ILMN_1239180	0	0
70470	Rprd1b	0.045	0.020	0.008	0	0	0	0	0	0	NM_027434	RIKEN cDNA 2610304G08 gene (2610304G08Rik), mRNA.	Mme-M300005734	ILMN_1256682	0	0
75137	Rprd2	-0.027	-0.077	-0.072	0	0	0	0	0	0	NM_001081293	RIKEN cDNA 4930535B03 gene (4930535B03Rik), mRNA.	Mme-M400015459	ILMN_1244778	0	0
67874	Rprm	0.117	0.173	-0.101	0	0	0	0	0	0	NM_023396	reprimo, TP53 dependent G2 arrest mediator candidate (Rprm), mRNA.	Mme-M400011438	ILMN_2643212	0	0
104582	Rprml	0.359	0.634	-0.085	0	1	0	0	1	0	NM_001033212	reprimo-like (Rprml), mRNA.	Mme-M400003133	ILMN_2968147	1	0
27207	Rps11	0.588	0.103	-0.075	0	0	0	0	0	0	NM_013725	ribosomal protein S11 (Rps11), mRNA.	Mme-M400011218	ILMN_2534572	0	0
671641	Rps12l2	0.283	0.101	0.089	0	0	0	0	0	0	XM_001479052	PREDICTED: similar to ribosomal protein S12 (LOC671641), mRNA.	Mme-M400006760	ILMN_1249136	0	0
68052	Rps13	0.102	0.076	-0.173	0	0	0	0	0	0	NM_026533	ribosomal protein S13 (Rps13), mRNA.	Mme-M400011573	ILMN_2940017	0	0
20044	Rps14	0.152	0.002	-0.010	0	0	0	0	0	0	NM_020600	ribosomal protein S14 (Rps14), mRNA.	Mme-M400000764	ILMN_2712642	0	0
20054	Rps15	0.299	0.000	-0.102	0	0	0	0	0	0	NM_009091	ribosomal protein S15 (Rps15), mRNA.	Mme-M400008722	ILMN_2671517	0	0
267019	Rps15a	0.066	-0.018	-0.112	0	0	0	0	0	0	NM_170669	ribosomal protein S15a (Rps15a), mRNA.	Mme-M400000156	ILMN_2717621	0	0
20068	Rps17	0.427	0.095	-0.124	0	0	0	0	0	0	NM_009092	ribosomal protein S17 (Rps17), mRNA.	Mme-M400010891	ILMN_2675747	0	0
20084	Rps18	0.145	-0.099	0.136	0	0	0	0	0	0	NM_011296	ribosomal protein S18 (Rps18), mRNA.	Mme-M400000154	ILMN_2639750	0	0
20085	Rps19	0.603	0.129	-0.137	0	0	0	0	0	0	NM_023133	ribosomal protein S19 (Rps19), mRNA.	Mme-M400006738	ILMN_2862280	0	0
66538	Rps19bp1	0.133	-0.128	-0.104	0	0	0	0	0	0	NM_175109	ribosomal protein S19 binding protein 1 (Rps19bp1), mRNA.	Mme-M300022144	ILMN_2699989	0	0
16898	Rps2	0.278	0.065	-0.125	0	0	0	0	0	0	NM_008503	ribosomal protein S2 (Rps2), mRNA.	Mme-M400010833	ILMN_2717549	0	0
67427	Rps20	0.292	-0.068	0.057	0	0	0	0	0	0	NM_026147	ribosomal protein S20 (Rps20), mRNA.	Mme-M400011542	ILMN_1253910	0	0
66481	Rps21	0.166	-0.055	0.093	0	0	0	0	0	0	NM_025587	ribosomal protein S21 (Rps21), mRNA.	Mme-M400009218	ILMN_1240898	0	0
20088	Rps24	-0.072	-0.136	-0.013	0	0	0	0	0	0	NM_207634	ribosomal protein S24 (Rps24), transcript variant 2, mRNA.	Mme-M300004569	ILMN_2625060	0	0
75617	Rps25	0.149	-0.139	-0.057	0	0	0	0	0	0	NM_024266	ribosomal protein S25 (Rps25), mRNA.	Mme-M400009618	ILMN_2681030	0	0
27370	Rps26	0.193	-0.047	-0.059	0	0	0	0	0	0	NM_013765	ribosomal protein S26 (Rps26), mRNA.	Mme-M400000825	ILMN_2794676	0	0
57294	Rps27	0.171	0.084	-0.066	0	0	0	0	0	0	NM_027015	ribosomal protein S27 (Rps27), mRNA.	Mme-M400003714	ILMN_2669015	0	0
78294	Rps27a	0.179	0.127	-0.107	0	0	0	0	0	0	NM_024277	ribosomal protein S27a (Rps27a), transcript variant 1, mRNA.	Mme-M400011459	ILMN_2717390	0	0
67941	Rps27l	0.377	0.075	0.156	0	0	0	0	0	0	NM_026467	ribosomal protein S27-like (Rps27l), mRNA.	Mme-M200006851	ILMN_2624280	0	0
54127	Rps28	0.188	0.079	-0.036	0	0	0	0	0	0	NM_016844	ribosomal protein S28 (Rps28), mRNA.	Mme-M400011265	ILMN_1260088	0	0
20090	Rps29	0.217	-0.027	0.007	0	0	0	0	0	0	NM_009093	ribosomal protein S29 (Rps29), mRNA.	Mme-M400001745	ILMN_2697103	0	0
27050	Rps3	0.253	0.224	0.040	0	0	0	0	0	0	NM_012052	ribosomal protein S3 (Rps3), mRNA.	Mme-M200009543	ILMN_2637639	0	0
20091	Rps3a1	0.515	0.103	0.144	0	0	0	0	0	0	NM_016959	ribosomal protein S3a (Rps3a), mRNA.	Mme-M400012691	ILMN_2733330	0	0
66184	Rps4l	0.024	-0.060	-0.139	0	0	0	0	0	0	NR_003634	ribosomal protein S4, Y-linked 2 (Rps4y2) on chromosome 6.	Mme-M200001399	ILMN_2737090	0	0
20102	Rps4x	0.198	0.232	0.081	0	0	0	0	0	0	NM_009094	ribosomal protein S4, X-linked (Rps4x), mRNA.	Mme-M400010892	ILMN_2890533	0	0
20103	Rps5	0.285	0.084	-0.082	0	0	0	0	0	0	NM_009095	ribosomal protein S5 (Rps5), mRNA.	Mme-M200002233	ILMN_2808946	0	0
20104	Rps6	0.289	0.159	-0.054	0	0	0	0	0	0	NM_009096	ribosomal protein S6 (Rps6), mRNA.	Mme-M400009289	ILMN_1248932	0	0
20111	Rps6ka1	-0.187	-0.065	-0.059	0	0	0	0	0	0	NM_009097	ribosomal protein S6 kinase polypeptide 1 (Rps6ka1), mRNA.	Mme-M300000455	ILMN_2975718	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
20112	Rps6ka2	0.158	0.119	-0.111	0	0	0	0	0	0	NM_011299	ribosomal protein S6 kinase, polypeptide 2 (Rps6ka2), mRNA.	Mme-M200007174	ILMN_2655510	0	0
110651	Rps6ka3	-0.030	-0.174	-0.063	0	0	0	0	0	0	NM_148945	ribosomal protein S6 kinase polypeptide 3 (Rps6ka3), mRNA.	Mme-M400001358	ILMN_2731080	0	0
56613	Rps6ka4	0.045	0.194	0.027	0	0	0	0	0	0	NM_019924	ribosomal protein S6 kinase, polypeptide 4 (Rps6ka4), mRNA.	Mme-M200016241	ILMN_2740764	0	0
73086	Rps6ka5	0.104	-0.077	-0.104	0	0	0	0	0	0	NM_153587	ribosomal protein S6 kinase, polypeptide 5 (Rps6ka5), mRNA.	Mme-M400012201	ILMN_1233577	0	0
67071	Rps6ka6	-0.114	-0.021	-0.089	0	0	0	0	0	0	NM_025949	ribosomal protein S6 kinase polypeptide 6 (Rps6ka6), mRNA.	Mme-M400011522	ILMN_1224495	0	0
72508	Rps6kb1	-0.139	-0.057	0.077	0	0	0	0	0	0	NM_028259	ribosomal protein S6 kinase, polypeptide 1 (Rps6kb1), transcript variant 2, mRNA.	Mme-M300018824	ILMN_1222291	0	0
58988	Rps6kb2	0.053	0.158	0.067	0	0	0	0	0	0	NM_021485	ribosomal protein S6 kinase, polypeptide 2 (Rps6kb2), mRNA.	Mme-M200004002	ILMN_2611256	0	0
320119	Rps6kc1	-0.300	0.100	-0.042	0	0	0	0	0	0	NM_178775	ribosomal protein S6 kinase polypeptide 1 (Rps6kc1), mRNA.	Mme-M400008695	ILMN_2417514	0	0
238323	Rps6kl1	0.093	-0.037	-0.031	0	0	0	0	0	0	NM_146244	ribosomal protein S6 kinase-like 1 (Rps6kl1), mRNA.	Mme-M300001774	ILMN_2649333	0	0
20115	Rps7	0.430	0.099	-0.143	0	0	0	0	0	0	NM_011300	ribosomal protein S7 (Rps7), mRNA.	Mme-M400008813	ILMN_2710068	0	0
20116	Rps8	0.606	0.045	-0.070	0	0	0	0	0	0	NM_009098	ribosomal protein S8 (Rps8), mRNA.	Mme-M400003331	ILMN_1234590	0	0
76846	Rps9	0.210	-0.159	-0.131	0	0	0	0	0	0	NM_029767	ribosomal protein S9 (Rps9), mRNA.	Mme-M300000782	ILMN_1377921	0	0
16785	Rpsa	0.451	0.231	-0.160	0	0	0	0	0	0	NM_011029	ribosomal protein SA (Rpsa), mRNA.	Mme-M300008292	ILMN_1233489	0	0
20129	Rptn	-0.450	0.092	0.068	0	0	0	0	0	0	NM_009100	repetin (Rptn), mRNA.	Mme-M200000576	ILMN_2740559	0	0
74370	Rptor	0.125	-0.102	-0.144	0	0	0	0	0	0	NM_028898	RIKEN cDNA 4932417H02 gene (4932417H02Rik), mRNA.	Mme-M300004705	ILMN_1250017	0	0
106707	Rpusd1	-0.063	0.051	-0.120	0	0	0	0	0	0	NM_028009	RNA pseudouridylate synthase domain containing 1 (Rpusd1), mRNA.	Mme-M200004943	ILMN_2646123	0	0
271842	Rpusd2	-0.211	0.042	0.007	0	0	0	0	0	0	NM_173450	RNA pseudouridylate synthase domain containing 2 (Rpusd2), mRNA.	Mme-M300005583	ILMN_2762711	0	0
101122	Rpusd3	-0.081	-0.012	0.015	0	0	0	0	0	0	XM_132830	PREDICTED: RNA pseudouridylate synthase domain containing 3, transcript variant 1 (Rpusd3), mRNA.	Mme-M400003787	ILMN_1214740	0	0
71989	Rpusd4	-0.193	0.076	0.052	0	0	0	0	0	0	NM_028040	RNA pseudouridylate synthase domain containing 4 (Rpusd4), mRNA.	Mme-M200005002	ILMN_2718974	0	0
58184	Rqcd1	0.197	0.095	0.016	0	0	0	0	0	0	NM_021383	rcd1 (required for cell differentiation) homolog 1 (S. pombe) (Rqcd1), mRNA.	Mme-M400011389	ILMN_1223145	0	0
56437	Rrad	-0.231	0.043	0.062	0	0	0	0	0	0	NM_019662	Ras-related associated with diabetes (Rrad), mRNA.	Mme-M200006496	ILMN_1219106	0	0
68441	Rraga	-0.046	0.154	-0.080	0	0	0	0	0	0	NM_178376	Ras-related GTP binding A (Rraga), mRNA.	Mme-M300018457	ILMN_2757931	0	0
245670	Rragb	0.228	0.224	0.090	0	0	0	0	0	0	NM_001004154	Ras-related GTP binding B (Rragb), mRNA.	Mme-M300013286	ILMN_1220819	0	0
54170	Rragc	0.166	-0.199	0.039	0	0	0	0	0	0	NM_017475	Ras-related GTP binding C (Rragc), mRNA.	Mme-M200006148	ILMN_2770414	0	0
52187	Rragd	0.232	-0.070	-0.081	0	0	0	0	0	0	NM_027491	Ras-related GTP binding D (Rragd), mRNA.	Mme-M200010183	ILMN_2775202	0	0
20130	Rras	0.121	-0.067	0.058	0	0	0	0	0	0	NM_009101	Harvey rat sarcoma oncogene, subgroup R (Rras), mRNA.	Mme-M200000094	ILMN_2658804	0	0
81910	Rrbp1	0.335	0.098	-0.180	0	0	0	0	0	0	NM_024281	ribosome binding protein 1 (Rrbp1), transcript variant 1, mRNA.	Mme-M300005633	ILMN_2597686	0	0
68750	Rreb1	-0.126	-0.027	0.083	0	0	0	0	0	0	NM_001013392	ras responsive element binding protein 1 (Rreb1), transcript variant 1, mRNA.	Mme-M300011936	ILMN_3016674	0	0
20132	Rrh	0.001	-0.083	0.048	0	0	0	0	0	0	NM_009102	retinal pigment epithelium derived rhodopsin homolog (Rrh), mRNA.	Mme-M200001505	ILMN_2843970	0	0
20133	Rrm1	-0.108	0.119	0.081	0	0	0	0	0	0	NM_009103	ribonucleotide reductase M1 (Rrm1), mRNA.	Mme-M200000231	ILMN_2977624	0	0
20135	Rrm2	0.327	0.115	0.118	0	0	0	0	0	0	NM_009104	ribonucleotide reductase M2 (Rrm2), mRNA.	Mme-M200000030	ILMN_2819319	0	0
382985	Rrm2b	-0.073	-0.180	0.016	0	0	0	0	0	0	NM_199476	ribonucleotide reductase M2 B (TP53 inducible) (Rrm2b), mRNA.	Mme-M300003186	ILMN_1228742	0	0
106298	Rrn3	-0.094	-0.088	-0.019	0	0	0	0	0	0	NM_001039521	RRN3 RNA polymerase I transcription factor homolog (yeast) (Rrn3), mRNA.	Mme-M300019576	ILMN_2729771	0	0
229503	Rrnad1	-0.310	0.091	0.026	0	0	0	0	0	0	NM_153562	cDNA sequence BC023814 (BC023814), mRNA.	Mme-M400000099	ILMN_1220593	0	0
18114	Rrp1	0.173	0.102	-0.020	0	0	0	0	0	0	NM_010925	ribosomal RNA processing 1 homolog (S. cerevisiae) (Rrp1), mRNA.	Mme-M200008052	ILMN_2628045	0	0
107094	Rrp12	0.116	-0.025	0.082	0	0	0	0	0	0	NM_199447	ribosomal RNA processing 12 homolog (S. cerevisiae) (Rrp12), mRNA.	Mme-M300009671	ILMN_2728118	0	0
67223	Rrp15	0.041	0.032	-0.172	0	0	0	0	0	0	NM_026041	ribosomal RNA processing 15 homolog (S. cerevisiae) (Rrp15), mRNA.	Mme-M200008091	ILMN_2629856	0	0
72462	Rrp1b	0.201	-0.172	0.032	0	0	0	0	0	0	NM_028244	ribosomal RNA processing 1 homolog B (S. cerevisiae) (Rrp1b), mRNA.	Mme-M200008495	ILMN_2880346	0	0
224823	Rrp36	0.033	-0.092	0.132	0	0	0	0	0	0	NM_144857	cDNA sequence BC011248 (BC011248), mRNA.	Mme-M200014172	ILMN_2998479	0	0
74778	Rrp7a	0.013	0.074	-0.014	0	0	0	0	0	0	NM_029101	RIKEN cDNA 1110014J01 gene (1110014J01Rik), mRNA.	Mme-M300001628	ILMN_1213124	0	0
101867	Rrp8	-0.091	-0.009	-0.020	0	0	0	0	0	0	NM_025897	RIKEN cDNA 1500003O22 gene (1500003O22Rik), mRNA.	Mme-M200007891	ILMN_2752665	0	0
27966	Rrp9	0.304	0.144	-0.024	0	0	0	0	0	0	NM_145620	RRP9, small subunit (SSU) processome component, homolog (yeast) (Rrp9), mRNA.	Mme-M200000161	ILMN_1223551	0	0
59014	Rrs1	0.056	-0.065	0.028	0	0	0	0	0	0	NM_021511	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) (Rrs1), mRNA.	Mme-M400007323	ILMN_2628848	0	0
20147	Rs1	-0.247	0.044	-0.026	0	0	0	0	0	0	NM_011302	retinoschisis (X-linked, juvenile) 1 (human) (Rs1), mRNA.	Mme-M200013822	ILMN_2706905	0	0
237926	Rsad1	-0.010	-0.078	0.007	0	0	0	0	0	0	NM_001013381	radical S-adenosyl methionine domain containing 1 (Rsad1), mRNA.	Mme-M300011945	ILMN_2802168	0	0
58185	Rsad2	0.337	0.342	0.312	0	0	1	0	0	0	NM_021384	radical S-adenosyl methionine domain containing 2 (Rsad2), mRNA.	Mme-M300002299	ILMN_1225204	0	0
229675	Rsbn1	0.093	0.002	0.014	0	0	0	0	0	0	NM_172684	rosbin, round spermatid basic protein 1 (Rsbn1), mRNA.	Mme-M300015140	ILMN_2589576	0	0
242860	Rsbn1l	0.269	-0.076	-0.035	0	0	0	0	0	0	NM_001080977	round spermatid basic protein 1-like (Rsbn1l), mRNA.	Mme-M400014804	ILMN_2518345	0	0
233532	Rsf1	0.190	-0.185	-0.086	0	0	0	0	0	0	NM_001081267	remodeling and spacing factor 1 (Rsf1), mRNA.	Mme-M400010505	ILMN_2921163	0	0
76166	Rsg1	-0.088	0.014	-0.026	0	0	0	0	0	0	NM_001081174	RIKEN cDNA 6330545A04 gene (6330545A04Rik), mRNA.	Mme-M300001228	ILMN_3137189	0	0
380855	Rsl1	0.053	0.010	0.065	0	0	0	0	0	0	NM_001013769	regulator of sex limited protein 1 (Rsl1), mRNA.	Mme-M400008893	ILMN_2788963	0	0
66409	Rsl1d1	0.251	0.127	0.034	0	0	0	0	0	0	NM_025546	ribosomal L1 domain containing 1 (Rsl1d1), mRNA.	Mme-M300000729	ILMN_2605096	0	0
225215	Rsl24d1	0.088	0.255	-0.108	0	0	0	0	0	0	NM_198609	cDNA sequence BC003885 (BC003885), mRNA.	Mme-M400009064	ILMN_3006534	0	0
22092	Rsph1	0.169	-0.022	-0.290	0	0	0	0	0	0	NM_025290	radial spoke head 1 homolog (Chlamydomonas) (Rsph1), mRNA.	Mme-M200003117	ILMN_2441534	0	0
212892	Rsph4a	-0.103	-0.063	-0.114	0	0	0	0	0	0	XM_137041	PREDICTED: radial spokehead-like 3 (Rshl3), mRNA.	Mme-M300012236	ILMN_1241366	0	0
83434	Rsph6a	-0.239	0.004	0.049	0	0	0	0	0	0	NM_031255	radial spokehead-like 1 (Rshl1), mRNA.	Mme-M300012909	ILMN_1238997	0	0
75564	Rsph9	0.142	0.153	-0.168	0	0	0	0	0	0	NM_029338	RIKEN cDNA 1700027N10 gene (1700027N10Rik), mRNA.	Mme-M200003568	ILMN_2935237	0	0
192199	Rspo1	0.120	-0.111	-0.074	0	0	0	0	0	0	NM_138683	R-spondin homolog (Xenopus laevis) (Rspo1), mRNA.	Mme-M200013923	ILMN_2686865	0	0
239405	Rspo2	0.078	0.024	-0.022	0	0	0	0	0	0	NM_172815	R-spondin 2 homolog (Xenopus laevis) (Rspo2), mRNA.	Mme-M400003932	ILMN_2910230	0	0
72780	Rspo3	0.277	-0.392	-0.153	0	0	0	0	0	0	NM_028351	R-spondin 3 homolog (Xenopus laevis) (Rspo3), mRNA.	Mme-M400000342	ILMN_3162785	0	0
228770	Rspo4	0.065	-0.002	-0.013	0	0	0	0	0	0	NM_001040689	R-spondin family, member 4 (Rspo4), transcript variant 1, mRNA.	Mme-M200011264	ILMN_1244053	0	0
67610	Rspry1	0.040	-0.074	0.155	0	0	0	0	0	0	NM_026274	ring finger and SPRY domain containing 1 (Rspry1), mRNA.	Mme-M200008755	ILMN_1238609	0	0
66880	Rsrc1	0.127	-0.127	0.038	0	0	0	0	0	0	NM_025822	arginine/serine-rich coiled-coil 1 (Rsrc1), mRNA.	Mme-M200007456	ILMN_2630512	0	0
208606	Rsrc2	-0.173	0.035	0.063	0	0	0	0	0	0	NM_001005525	arginine/serine-rich coiled-coil 2 (Rsrc2), transcript variant 1, mRNA.	Mme-M400001164	ILMN_3111334	0	0
27981	Rsrp1	-0.101	-0.027	0.004	0	0	0	0	0	0	NM_023665	DNA segment, Chr 4, Wayne State University 53, expressed (D4Wsu53e), mRNA.	Mme-M300010837	ILMN_2731439	0	0
20163	Rsu1	0.035	-0.082	0.074	0	0	0	0	0	0	NM_009105	Ras suppressor protein 1 (Rsu1), mRNA.	Mme-M200000322	ILMN_1254341	0	0
234542	Rtbdn	-0.148	0.067	0.072	0	0	0	0	0	0	NM_144929	retbindin (Rtbdn), mRNA.	Mme-M200013085	ILMN_2826826	0	0
66368	Rtca	-0.023	-0.004	0.034	0	0	0	0	0	0	NM_025517	RNA terminal phosphate cyclase domain 1 (Rtcd1), mRNA.	Mme-M200007468	ILMN_2713160	0	0
28088	Rtcb	0.253	0.050	0.084	0	0	0	0	0	0	NM_145422	DNA segment, Chr 10, Wayne State University 52, expressed (D10Wsu52e), mRNA.	Mme-M200002780	ILMN_2608613	0	0
269400	Rtel1	0.225	0.117	-0.059	0	0	0	0	0	0	NM_001001882	regulator of telomere elongation helicase 1 (Rtel1), mRNA.	Mme-M300011710	ILMN_1218431	0	0
66404	Rtfdc1	-0.065	-0.121	-0.140	0	0	0	0	0	0	NM_025542	RIKEN cDNA 2410001C21 gene (2410001C21Rik), mRNA.	Mme-M300005668	ILMN_2596259	0	0
170799	Rtkn2	0.068	0.142	0.093	0	0	0	0	0	0	NM_001081346	rhotekin 2 (Rtkn2), mRNA.	Mme-M300011166	ILMN_1224207	0	0
353326	Rtl1	0.224	0.021	0.033	0	0	0	0	0	0	NM_184109	retrotransposon-like 1 (Rtl1), mRNA.	Mme-M400000134	ILMN_2629911	0	0
104001	Rtn1	0.094	0.250	0.104	0	0	0	0	0	0	NM_001007596	reticulon 1 (Rtn1), transcript variant 2, mRNA.	Mme-M200006309	ILMN_1235203	0	0
20167	Rtn2	0.472	0.251	-0.172	0	0	0	0	0	0	NM_001025364	reticulon 2 (Z-band associated protein) (Rtn2), transcript variant C, mRNA.	Mme-M200004804	ILMN_1250904	0	0
20168	Rtn3	-0.148	-0.128	-0.032	0	0	0	0	0	0	NM_001003933	reticulon 3 (Rtn3), transcript variant 2, mRNA.	Mme-M400009114	ILMN_2572492	0	0
68585	Rtn4	0.095	-0.331	0.163	0	0	0	0	0	0	NM_024226	reticulon 4 (Rtn4), transcript variant 4, mRNA.	Mme-M300002207	ILMN_2732907	0	0
170728	Rtn4ip1	0.096	-0.014	-0.163	0	0	0	0	0	0	NM_130892	reticulon 4 interacting protein 1 (Rtn4ip1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200005080	ILMN_2950957	0	0
65079	Rtn4r	-0.099	-0.118	-0.008	0	0	0	0	0	0	NM_022982	reticulon 4 receptor (Rtn4r), mRNA.	Mme-M300014871	ILMN_2624676	0	0
237847	Rtn4rl1	-0.106	-0.067	0.057	0	0	0	0	0	0	NM_177708	reticulon 4 receptor-like 1 (Rtn4rl1), mRNA.	Mme-M300016256	ILMN_1227403	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
269295	Rtn4rl2	-0.400	-0.076	0.022	0	0	0	0	0	0	NM_199223	reticulon 4 receptor-like 2 (Rtn4rl2), mRNA.	Mme-M300021558	ILMN_2678199	0	0
239766	Rtp1	-0.015	-0.697	-0.105	0	-1	0	0	-1	0	NM_001004151	receptor transporter protein 1 (Rtp1), mRNA.	Mme-M300008749	ILMN_2530019	0	1
224055	Rtp2	-0.123	-0.386	-0.020	0	0	0	0	0	0	NM_001008230	receptor transporter protein 2 (Rtp2), mRNA.	Mme-M300018377	ILMN_2530023	0	0
235636	Rtp3	0.049	0.077	0.029	0	0	0	0	0	0	NM_153100	receptor transporter protein 3 (Rtp3), mRNA.	Mme-M400012187	ILMN_2864416	0	0
67775	Rtp4	0.434	0.427	0.112	0	1	0	0	0	0	NM_023386	receptor transporter protein 4 (Rtp4), mRNA.	Mme-M200011929	ILMN_2873988	0	0
246102	Rttn	-0.055	-0.111	0.093	0	0	0	0	0	0	NM_175542	rotatin (Rttn), mRNA.	Mme-M300003657	ILMN_2732801	0	0
216724	Rufy1	0.028	-0.053	-0.148	0	0	0	0	0	0	NM_172557	RUN and FYVE domain containing 1 (Rufy1), mRNA.	Mme-M300002152	ILMN_1236988	0	0
70432	Rufy2	-0.206	-0.123	0.105	0	0	0	0	0	0	NM_027425	RUN and FYVE domain-containing 2 (Rufy2), mRNA.	Mme-M300001983	ILMN_2763657	0	0
52822	Rufy3	-0.024	-0.111	0.063	0	0	0	0	0	0	NM_027530	RUN and FYVE domain containing 3 (Rufy3), mRNA.	Mme-M200007982	ILMN_2962361	0	0
435626	Rufy4	-0.402	-0.005	0.003	0	0	0	0	0	0	NM_001034060	RUN and FYVE domain containing 4 (Rufy4), mRNA.	Mme-M400007547	ILMN_3162839	0	0
217201	Rundc1	0.206	0.157	-0.062	0	0	0	0	0	0	NM_172566	RUN domain containing 1 (Rundc1), mRNA.	Mme-M300009653	ILMN_1257394	0	0
51799	Rundc3a	0.216	0.048	-0.035	0	0	0	0	0	0	NM_016759	RUN domain containing 3A (Rundc3a), mRNA.	Mme-M200000973	ILMN_2856798	0	0
242819	Rundc3b	-0.067	-0.045	-0.010	0	0	0	0	0	0	NM_198620	RUN domain containing 3B (Rundc3b), mRNA.	Mme-M300012732	ILMN_2660596	0	0
12394	Runx1	-0.224	-0.194	0.023	0	0	0	0	0	0	NM_001111022	runt related transcription factor 1 (Runx1), transcript variant 2, mRNA.	Mme-M300003600	ILMN_2589107	0	0
12395	Runx1t1	-0.103	-0.174	-0.080	0	0	0	0	0	0	NM_009822	runt-related transcription factor 1; translocated to, 1 (cyclin D-related) (Runx1t1), transcript variant 3, mRNA.	Mme-M200002024	ILMN_2662450	0	0
12393	Runx2	0.052	0.046	0.030	0	0	0	0	0	0	NM_009820	runt related transcription factor 2 (Runx2), mRNA.	Mme-M400010980	ILMN_1220130	0	0
12399	Runx3	-0.033	0.050	0.011	0	0	0	0	0	0	NM_019732	runt related transcription factor 3 (Runx3), mRNA.	Mme-M300006316	ILMN_2747141	0	0
72296	Rusc1	-0.169	-0.063	-0.175	0	0	0	0	0	0	NM_001083808	RUN and SH3 domain containing 1 (Rusc1), transcript variant 3, mRNA.	Mme-M400002487	ILMN_2917441	0	0
100213	Rusc2	-0.188	-0.159	-0.080	0	0	0	0	0	0	NM_199057	RUN and SH3 domain containing 2 (Rusc2), transcript variant 1, mRNA.	Mme-M300010178	ILMN_3159149	0	0
56505	Ruvbl1	0.109	0.118	-0.214	0	0	0	0	0	0	NM_019685	RuvB-like protein 1 (Ruvbl1), mRNA.	Mme-M200013918	ILMN_2666483	0	0
20174	Ruvbl2	0.134	0.191	-0.019	0	0	0	0	0	0	NM_011304	RuvB-like protein 2 (Ruvbl2), mRNA.	Mme-M200007570	ILMN_2690410	0	0
66521	Rwdd1	0.274	-0.254	-0.079	0	0	0	0	0	0	NM_025614	RWD domain containing 1 (Rwdd1), mRNA.	Mme-M200006049	ILMN_2642525	0	0
69519	Rwdd2a	-0.121	0.271	-0.135	0	0	0	0	0	0	NM_027100	RWD domain containing 2A (Rwdd2a), mRNA.	Mme-M200013541	ILMN_2774528	0	0
53858	Rwdd2b	0.020	-0.001	0.039	0	0	0	0	0	0	NM_016924	RWD domain containing 2B (Rwdd2b), mRNA.	Mme-M200007530	ILMN_1239330	0	0
66568	Rwdd3	-0.089	0.037	-0.034	0	0	0	0	0	0	NM_025637	RIKEN cDNA 2510027J23 gene (2510027J23Rik), mRNA.	Mme-M200009982	ILMN_1236100	0	0
192174	Rwdd4a	-0.119	0.006	0.089	0	0	0	0	0	0	NM_203507	RWD domain containing 4A (Rwdd4a), mRNA.	Mme-M200005125	ILMN_2696620	0	0
381489	Rxfp1	0.259	-0.001	-0.145	0	0	0	0	0	0	NM_212452	relaxin/insulin-like family peptide receptor 1 (Rxfp1), mRNA.	Mme-M300009090	ILMN_2685751	0	0
140498	Rxfp2	-0.096	-0.005	-0.053	0	0	0	0	0	0	NM_080468	relaxin/insulin-like family peptide receptor 2 (Rxfp2), mRNA.	Mme-M400004447	ILMN_1259786	0	0
239336	Rxfp3	-0.418	0.012	0.389	0	0	1	0	0	0	NM_178717	relaxin family peptide receptor 3 (Rxfp3), mRNA.	Mme-M300012221	ILMN_1240943	0	0
242093	Rxfp4	-0.118	0.095	-0.041	0	0	0	0	0	0	NM_181817	relaxin family peptide receptor 4 (Rxfp4), mRNA.	Mme-M300020469	ILMN_1247110	0	0
20181	Rxra	-0.112	0.022	0.014	0	0	0	0	0	0	NM_011305	retinoid X receptor alpha (Rxra), mRNA.	Mme-M200001349	ILMN_2741479	0	0
20182	Rxrb	0.174	0.162	-0.107	0	0	0	0	0	0	NM_011306	retinoid X receptor beta (Rxrb), mRNA.	Mme-M400002282	ILMN_2593038	0	0
20183	Rxrg	-0.011	0.219	-0.054	0	0	0	0	0	0	NM_009107	retinoid X receptor gamma (Rxrg), mRNA.	Mme-M200001351	ILMN_1232561	0	0
56353	Rybp	-0.323	-0.079	-0.106	0	0	0	0	0	0	NM_019743	RING1 and YY1 binding protein (Rybp), mRNA.	Mme-M400001218	ILMN_1212848	0	0
20187	Ryk	0.200	-0.178	-0.179	0	0	0	0	0	0	NM_001042607	receptor-like tyrosine kinase (Ryk), transcript variant 2, mRNA.	Mme-M200001476	ILMN_2667020	0	0
20190	Ryr1	1.347	0.531	-0.529	1	1	-1	1	0	-1	NM_009109	ryanodine receptor 1, skeletal muscle (Ryr1), mRNA.	Mme-M200001790	ILMN_2733073	1	1
20191	Ryr2	0.213	-0.085	-0.058	0	0	0	0	0	0	NM_023868	ryanodine receptor 2, cardiac (Ryr2), mRNA.	Mme-M400014826	ILMN_1251989	0	0
20192	Ryr3	-0.354	0.144	0.057	0	0	0	0	0	0	NM_177652	ryanodine receptor 3 (Ryr3), mRNA.	Mme-M400010240	ILMN_2697410	0	0
20193	S100a1	0.413	0.020	-0.052	0	0	0	0	0	0	NM_011309	S100 calcium binding protein A1 (S100a1), mRNA.	Mme-M200004967	ILMN_1225602	0	0
20194	S100a10	-0.131	-0.038	-0.030	0	0	0	0	0	0	NM_009112	S100 calcium binding protein A10 (calpactin) (S100a10), mRNA.	Mme-M300013441	ILMN_1256702	0	0
20195	S100a11	0.440	0.260	0.079	0	0	0	0	0	0	NM_016740	S100 calcium binding protein A11 (calgizzarin) (S100a11), mRNA.	Mme-M400001039	ILMN_1212626	0	0
20196	S100a13	0.086	0.040	-0.038	0	0	0	0	0	0	NM_009113	S100 calcium binding protein A13 (S100a13), mRNA.	Mme-M200002378	ILMN_2987984	0	0
66166	S100a14	0.132	-0.020	0.053	0	0	0	0	0	0	NM_025393	S100 calcium binding protein A14 (S100a14), mRNA.	Mme-M200004753	ILMN_2779858	0	0
67860	S100a16	0.041	0.114	-0.091	0	0	0	0	0	0	NM_026416	S100 calcium binding protein A16 (S100a16), mRNA.	Mme-M400011563	ILMN_1220521	0	0
20197	S100a3	0.043	0.082	0.007	0	0	0	0	0	0	NM_011310	S100 calcium binding protein A3 (S100a3), mRNA.	Mme-M200000250	ILMN_2628668	0	0
20198	S100a4	-0.124	0.171	-0.053	0	0	0	0	0	0	NM_011311	S100 calcium binding protein A4 (S100a4), mRNA.	Mme-M300000141	ILMN_2731901	0	0
20199	S100a5	0.757	-0.899	-0.104	1	-1	0	0	-1	0	NM_011312	S100 calcium binding protein A5 (S100a5), mRNA.	Mme-M300000142	ILMN_2749169	0	1
20200	S100a6	0.116	0.133	-0.026	0	0	0	0	0	0	NM_011313	S100 calcium binding protein A6 (calcyclin) (S100a6), mRNA.	Mme-M200008372	ILMN_2712120	0	0
381493	S100a7a	-0.032	-0.029	-0.011	0	0	0	0	0	0	NM_199422	S100 calcium binding protein A7A (S100a7a), mRNA.	Mme-M400008403	ILMN_1230080	0	0
20201	S100a8	0.219	0.009	0.411	0	0	1	0	0	1	NM_013650	S100 calcium binding protein A8 (calgranulin A) (S100a8), mRNA.	Mme-M200004160	ILMN_2710905	1	0
20202	S100a9	0.539	0.422	0.435	0	1	1	0	0	1	NM_009114	S100 calcium binding protein A9 (calgranulin B) (S100a9), mRNA.	Mme-M200000809	ILMN_2803674	1	0
20203	S100b	-0.212	-0.071	-0.010	0	0	0	0	0	0	NM_009115	S100 protein, beta polypeptide, neural (S100b), mRNA.	Mme-M200013226	ILMN_2634742	0	0
12309	S100g	0.017	-0.044	-0.063	0	0	0	0	0	0	NM_009789	S100 calcium binding protein G (S100g), mRNA.	Mme-M200002449	ILMN_1249485	0	0
13609	S1pr1	0.263	-0.028	0.036	0	0	0	0	0	0	NM_007901	endothelial differentiation sphingolipid G-protein-coupled receptor 1 (Edg1), mRNA.	Mme-M300016069	ILMN_2747124	0	0
14739	S1pr2	-0.315	0.167	-0.060	0	0	0	0	0	0	NM_010333	endothelial differentiation, sphingolipid G-protein-coupled receptor, 5 (Edg5), mRNA.	Mme-M300014949	ILMN_2964522	0	0
13610	S1pr3	-0.063	0.172	0.018	0	0	0	0	0	0	NM_010101	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 (Edg3), mRNA.	Mme-M300009749	ILMN_2650032	0	0
13611	S1pr4	-0.034	0.103	0.066	0	0	0	0	0	0	NM_010102	endothelial differentiation, G-protein-coupled receptor 6 (Edg6), mRNA.	Mme-M200007312	ILMN_2839479	0	0
94226	S1pr5	-0.106	-0.109	0.113	0	0	0	0	0	0	NM_053190	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8 (Edg8), mRNA.	Mme-M200012192	ILMN_2691735	0	0
20208	Saa1	-0.050	0.232	-0.116	0	0	0	0	0	0	NM_009117	serum amyloid A 1 (Saa1), mRNA.	Mme-M400010894	ILMN_2768154	0	0
20209	Saa2	-0.025	-0.205	-0.011	0	0	0	0	0	0	NM_011314	serum amyloid A 2 (Saa2), mRNA.	Mme-M400005939	ILMN_2758571	0	0
20210	Saa3	0.757	0.690	0.332	1	1	1	0	1	0	NM_011315	serum amyloid A 3 (Saa3), mRNA.	Mme-M200003295	ILMN_2772632	1	0
20211	Saa4	-0.396	-0.010	0.004	0	0	0	0	0	0	NM_011316	serum amyloid A 4 (Saa4), mRNA.	Mme-M200001359	ILMN_1247506	0	0
66406	Sac3d1	0.039	-0.199	-0.099	0	0	0	0	0	0	NM_133678	SAC3 domain containing 1 (Sac3d1), mRNA.	Mme-M200005995	ILMN_2691706	0	0
83493	Sacm1l	-0.033	-0.202	0.050	0	0	0	0	0	0	NM_030692	SAC1 (suppressor of actin mutations 1, homolog)-like (S. cerevisiae) (Sacm1l), mRNA.	Mme-M200000283	ILMN_2929952	0	0
56459	Sae1	-0.041	0.093	-0.138	0	0	0	0	0	0	NM_019748	SUMO1 activating enzyme subunit 1 (Sae1), mRNA.	Mme-M400004255	ILMN_2423789	0	0
224903	Safb	-0.079	0.087	-0.057	0	0	0	0	0	0	XM_924956	PREDICTED: scaffold attachment factor B, transcript variant 18 (Safb), mRNA.	Mme-M400002583	ILMN_2673268	0	0
224902	Safb2	0.150	-0.110	0.045	0	0	0	0	0	0	NM_001029979	scaffold attachment factor B2 (Safb2), mRNA.	Mme-M300013793	ILMN_2609735	0	0
20215	Sag	0.088	0.186	-0.018	0	0	0	0	0	0	NM_009118	retinal S-antigen (Sag), mRNA.	Mme-M400005388	ILMN_2730436	0	0
58198	Sall1	-0.230	0.118	0.027	0	0	0	0	0	0	NM_021390	sal-like 1 (Drosophila) (Sall1), mRNA.	Mme-M200004887	ILMN_2643443	0	0
50524	Sall2	-0.132	0.190	0.151	0	0	0	0	0	0	NM_015772	sal-like 2 (Drosophila) (Sall2), mRNA.	Mme-M300020275	ILMN_1240935	0	0
20689	Sall3	-0.319	0.172	-0.063	0	0	0	0	0	0	NM_178280	sal-like 3 (Drosophila) (Sall3), mRNA.	Mme-M300004209	ILMN_3001398	0	0
99377	Sall4	-0.239	-0.142	-0.023	0	0	0	0	0	0	NM_201396	sal-like 4 (Drosophila) (Sall4), transcript variant c, mRNA.	Mme-M400001021	ILMN_3124235	0	0
666704	Samd1	0.037	-0.076	-0.026	0	0	0	0	0	0	NM_001081415	sterile alpha motif domain containing 1 (Samd1), mRNA.	Mme-M400000149	ILMN_1224665	0	0
229011	Samd10	-0.326	0.126	-0.165	0	0	0	0	0	0	NM_172676	sterile alpha motif domain containing 10 (Samd10), mRNA.	Mme-M300011657	ILMN_2656359	0	0
231004	Samd11	-0.022	0.042	-0.052	0	0	0	0	0	0	NM_001110516	sterile alpha motif domain containing 11 (Samd11), mRNA.	Mme-M300013398	ILMN_1216690	0	0
320679	Samd12	-0.100	-0.099	-0.035	0	0	0	0	0	0	NM_177225	sterile alpha motif domain containing 12 (Samd12), mRNA.	Mme-M400006432	ILMN_1238317	0	0
217125	Samd14	-0.159	-0.143	-0.074	0	0	0	0	0	0	NM_146025	sterile alpha motif domain containing 14 (Samd14), transcript variant 1, mRNA.	Mme-M400003263	ILMN_1240598	0	0
238333	Samd15	0.195	0.079	-0.103	0	0	0	0	0	0	XM_138106	PREDICTED: gene model 263, (NCBI) (Gm263), mRNA.	Mme-M400008377	ILMN_2526509	0	0
268288	Samd3	-0.189	0.210	0.059	0	0	0	0	0	0	NM_001013766	sterile alpha motif domain containing 3 (Samd3), transcript variant 1, mRNA.	Mme-M300022003	ILMN_1215680	0	0
74480	Samd4	-0.060	-0.064	-0.048	0	0	0	0	0	0	NM_028966	sterile alpha motif domain containing 4 (Samd4), transcript variant 2, mRNA.	Mme-M200008913	ILMN_2735995	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
233033	Samd4b	-0.127	0.080	0.030	0	0	0	0	0	0	NM_175021	sterile alpha motif domain containing 4B (Samd4b), mRNA.	Mme-M300010971	ILMN_2761662	0	0
320825	Samd5	-0.217	-0.105	0.139	0	0	0	0	0	0	NM_177271	sterile alpha motif domain containing 5 (Samd5), mRNA.	Mme-M300022153	ILMN_1254210	0	0
75953	Samd7	-0.227	-0.093	-0.042	0	0	0	0	0	0	NM_029489	sterile alpha motif domain containing 7 (Samd7), mRNA.	Mme-M400003917	ILMN_2741563	0	0
67630	Samd8	0.170	0.089	-0.073	0	0	0	0	0	0	NM_026283	sterile alpha motif domain containing 8 (Samd8), mRNA.	Mme-M400013025	ILMN_2647590	0	0
209086	Samd9l	0.387	0.324	0.318	0	0	1	0	0	0	XM_908922	PREDICTED: sterile alpha motif domain containing 9-like, transcript variant 3 (Samd9l), mRNA.	Mme-M300018571	ILMN_1224855	0	0
56045	Samhd1	0.649	0.683	0.359	0	1	1	0	1	0	NM_018851	SAM domain and HD domain, 1 (Samhd1), mRNA.	Mme-M200012660	ILMN_1221736	1	0
67742	Samsn1	-0.049	0.319	0.165	0	0	0	0	0	0	NM_023380	SAM domain, SH3 domain and nuclear localization signals, 1 (Samsn1), mRNA.	Mme-M200009044	ILMN_2646322	0	0
434881	Samt2	-0.085	-0.073	-0.069	0	0	0	0	0	0	NM_001037167	predicted gene, EG434881 (EG434881), mRNA.	Mme-M400005745	ILMN_3160454	0	0
73495	Samt3	-0.222	0.058	0.068	0	0	0	0	0	0	NM_028554	RIKEN cDNA 1700072E05 gene (1700072E05Rik), mRNA.	Mme-M200010620	ILMN_3160066	0	0
75185	Samt4	-0.014	0.029	0.039	0	0	0	0	0	0	NM_029199	RIKEN cDNA 4930542N07 gene (4930542N07Rik), mRNA.	Mme-M200010954	ILMN_1250881	0	0
269003	Sap130	0.046	0.220	0.025	0	0	0	0	0	0	NM_172965	Sin3A associated protein (Sap130), mRNA.	Mme-M300004018	ILMN_2680937	0	0
20220	Sap18	0.063	0.048	0.067	0	0	0	0	0	0	NM_009119	Sin3-associated polypeptide 18 (Sap18), mRNA.	Mme-M200007834	ILMN_2768674	0	0
60406	Sap30	0.385	-0.248	0.122	0	0	0	0	0	0	NM_021788	sin3 associated polypeptide (Sap30), mRNA.	Mme-M200012677	ILMN_2694917	0	0
57230	Sap30bp	-0.019	-0.085	-0.098	0	0	0	0	0	0	NM_020483	SAP30 binding protein (Sap30bp), mRNA.	Mme-M200001492	ILMN_2604789	0	0
50724	Sap30l	-0.226	-0.185	-0.077	0	0	0	0	0	0	NM_001081168	SAP30-like (Sap30l), mRNA.	Mme-M200001123	ILMN_3128784	0	0
78376	Sapcd1	-0.109	0.142	0.086	0	0	0	0	0	0	NM_023893	Ng23 protein (Ng23), mRNA.	Mme-M200013291	ILMN_1239632	0	0
72080	Sapcd2	0.000	-0.060	0.000	0	0	0	0	0	0	NM_001081085	RIKEN cDNA 2010317E24 gene (2010317E24Rik), mRNA.	Mme-M400000976	ILMN_1218312	0	0
20224	Sar1a	0.312	0.113	-0.183	0	0	0	0	0	0	NM_009120	SAR1 gene homolog A (S. cerevisiae) (Sar1a), mRNA.	Mme-M200002413	ILMN_2790636	0	0
66397	Sar1b	0.590	0.155	-0.036	0	0	0	0	0	0	NM_025535	SAR1 gene homolog B (S. cerevisiae) (Sar1b), mRNA.	Mme-M300002156	ILMN_2997998	0	0
67887	Saraf	0.263	0.087	-0.089	0	0	0	0	0	0	NM_026432	transmembrane protein 66 (Tmem66), mRNA.	Mme-M200006490	ILMN_2758878	0	0
192166	Sardh	-0.196	0.046	0.005	0	0	0	0	0	0	NM_138665	sarcosine dehydrogenase (Sardh), mRNA.	Mme-M200009329	ILMN_2903455	0	0
237868	Sarm1	-0.012	0.125	0.075	0	0	0	0	0	0	NM_172795	sterile alpha and HEAT/Armadillo motif containing 1 (Sarm1), mRNA.	Mme-M300010909	ILMN_2763689	0	0
66118	Sarnp	0.539	0.098	0.193	0	0	0	0	0	0	NM_025364	RIKEN cDNA 1110005A23 gene (1110005A23Rik), mRNA.	Mme-M300018513	ILMN_2596761	0	0
20226	Sars	0.065	0.026	-0.060	0	0	0	0	0	0	NM_011319	seryl-aminoacyl-tRNA synthetase (Sars), mRNA.	Mme-M400011126	ILMN_2871412	0	0
71984	Sars2	0.002	0.057	0.089	0	0	0	0	0	0	NM_023637	seryl-aminoacyl-tRNA synthetase 2 (Sars2), mRNA.	Mme-M200009809	ILMN_3162754	0	0
20227	Sart1	0.068	-0.044	-0.041	0	0	0	0	0	0	NM_016882	squamous cell carcinoma antigen recognized by T-cells 1 (Sart1), mRNA.	Mme-M200007601	ILMN_1254793	0	0
53890	Sart3	0.200	-0.178	-0.106	0	0	0	0	0	0	NM_016926	squamous cell carcinoma antigen recognized by T-cells 3 (Sart3), mRNA.	Mme-M200006552	ILMN_2800297	0	0
70097	Sash1	-0.176	-0.027	-0.016	0	0	0	0	0	0	NM_175155	SAM and SH3 domain containing 1 (Sash1), mRNA.	Mme-M300001395	ILMN_1246459	0	0
74131	Sash3	0.078	0.252	0.309	0	0	1	0	0	0	NM_028773	SAM and SH3 domain containing 3 (Sash3), mRNA.	Mme-M200007087	ILMN_2933887	0	0
72776	Sass6	-0.039	-0.049	0.063	0	0	0	0	0	0	NM_028349	spindle assembly 6 homolog (C. elegans) (Sass6), mRNA.	Mme-M400001048	ILMN_2669343	0	0
20229	Sat1	0.167	0.149	0.301	0	0	0	0	0	0	NM_009121	spermidine/spermine N1-acetyl transferase 1 (Sat1), mRNA.	Mme-M300004562	ILMN_1256219	0	0
69215	Sat2	-0.220	0.058	0.047	0	0	0	0	0	0	NM_026991	spermidine/spermine N1-acetyl transferase 2 (Sat2), mRNA.	Mme-M400013107	ILMN_2645473	0	0
20230	Satb1	-0.146	-0.121	-0.221	0	0	0	0	0	0	NM_009122	special AT-rich sequence binding protein 1 (Satb1), mRNA.	Mme-M200001716	ILMN_1220726	0	0
212712	Satb2	0.710	0.038	0.082	1	0	0	0	0	0	NM_139146	special AT-rich sequence binding protein 2 (Satb2), mRNA.	Mme-M300011494	ILMN_2594550	0	0
73809	Satl1	-0.310	0.004	0.091	0	0	0	0	0	0	XM_136025	PREDICTED: spermidine/spermine N1-acetyl transferase-like 1 (Satl1), mRNA.	Mme-M200014690	ILMN_1244241	0	0
64010	Sav1	0.287	0.078	0.091	0	0	0	0	0	0	NM_022028	salvador homolog 1 (Drosophila) (Sav1), mRNA.	Mme-M200015229	ILMN_2767596	0	0
75811	Saxo1	-0.100	-0.010	-0.022	0	0	0	0	0	0	NM_001081096	RIKEN cDNA 4930500O09 gene (4930500O09Rik), mRNA.	Mme-M200011046	ILMN_1257206	0	0
66711	Sbds	0.134	0.053	0.044	0	0	0	0	0	0	NM_023248	Shwachman-Bodian-Diamond syndrome homolog (human) (Sbds), mRNA.	Mme-M200006652	ILMN_1245650	0	0
77980	Sbf1	-0.035	-0.197	-0.030	0	0	0	0	0	0	NM_001081030	SET binding factor 1 (Sbf1), mRNA.	Mme-M200007753	ILMN_3139818	0	0
319934	Sbf2	0.055	-0.111	0.107	0	0	0	0	0	0	XM_001477215	PREDICTED: SET binding factor 2 (Sbf2), mRNA.	Mme-M200012869	ILMN_1245253	0	0
104175	Sbk1	0.028	-0.131	-0.053	0	0	0	0	0	0	NM_145587	SH3-binding kinase 1 (Sbk1), mRNA.	Mme-M300014067	ILMN_2724545	0	0
381836	Sbk2	-0.177	0.074	0.029	0	0	0	0	0	0	XM_355841	PREDICTED: gene model 1079, (NCBI) (Gm1079), mRNA.	Mme-M400001274	ILMN_2539806	0	0
243272	Sbno1	0.185	-0.166	-0.155	0	0	0	0	0	0	NM_001081203	sno, strawberry notch homolog 1 (Drosophila) (Sbno1), mRNA.	Mme-M400002098	ILMN_2507400	0	0
216161	Sbno2	0.042	0.196	-0.036	0	0	0	0	0	0	NM_183426	strawberry notch homolog 2 (Drosophila) (Sbno2), mRNA.	Mme-M300010039	ILMN_1232770	0	0
20234	Sbp	-0.020	0.094	0.018	0	0	0	0	0	0	NM_011321	spermine binding protein (Sbp), mRNA.	Mme-M300003928	ILMN_1238635	0	0
638345	Sbpl	0.052	0.014	-0.071	0	0	0	0	0	0	NM_001077421	spermine binding protein-like (Sbpl), mRNA.	Mme-M300003926	ILMN_1253051	0	0
226866	Sbspon	0.118	-0.272	0.141	0	0	0	0	0	0	NM_001033288	gene model 106, (NCBI) (Gm106), mRNA.	Mme-M400001486	ILMN_1244310	0	0
233208	Scaf1	-0.054	0.185	0.092	0	0	0	0	0	0	NM_001008422	SR-related CTD-associated factor 1 (Scaf1), mRNA.	Mme-M300011538	ILMN_2759669	0	0
72193	Scaf11	0.158	-0.070	0.052	0	0	0	0	0	0	NM_028148	splicing factor, arginine/serine-rich 2, interacting protein (Sfrs2ip), mRNA.	Mme-M200005699	ILMN_2713449	0	0
224432	Scaf4	0.120	-0.159	-0.068	0	0	0	0	0	0	NM_178923	splicing factor, arginine/serine-rich 15 (Sfrs15), mRNA.	Mme-M300003617	ILMN_1221304	0	0
106583	Scaf8	-0.021	-0.027	0.104	0	0	0	0	0	0	XM_918778	PREDICTED: RNA binding motif protein 16, transcript variant 8 (Rbm16), mRNA.	Mme-M400003129	ILMN_2598420	0	0
320271	Scai	0.270	0.033	0.113	0	0	0	0	0	0	NM_178778	RIKEN cDNA A930041I02 gene (A930041I02Rik), mRNA.	Mme-M300009800	ILMN_2450312	0	0
107767	Scamp1	-0.114	0.086	-0.089	0	0	0	0	0	0	NM_029153	secretory carrier membrane protein 1 (Scamp1), mRNA.	Mme-M400000500	ILMN_2706853	0	0
24044	Scamp2	0.343	-0.066	0.028	0	0	0	0	0	0	NM_022813	secretory carrier membrane protein 2 (Scamp2), mRNA.	Mme-M200006053	ILMN_1226985	0	0
24045	Scamp3	-0.016	-0.016	-0.075	0	0	0	0	0	0	NM_011886	secretory carrier membrane protein 3 (Scamp3), mRNA.	Mme-M200001243	ILMN_1245139	0	0
56214	Scamp4	0.125	0.127	-0.015	0	0	0	0	0	0	NM_019575	secretory carrier membrane protein 4 (Scamp4), mRNA.	Mme-M200006906	ILMN_2697270	0	0
56807	Scamp5	-0.165	0.223	-0.025	0	0	0	0	0	0	NM_020270	secretory carrier membrane protein 5 (Scamp5), mRNA.	Mme-M200008478	ILMN_1255263	0	0
19018	Scand1	0.078	-0.294	-0.095	0	0	0	0	0	0	NM_020255	SCAN domain-containing 1 (Scand1), mRNA.	Mme-M300017147	ILMN_1223960	0	0
235623	Scap	0.097	-0.106	-0.002	0	0	0	0	0	0	NM_001103162	SREBF chaperone (Scap), transcript variant 2, mRNA.	Mme-M300008276	ILMN_2764143	0	0
244891	Scaper	-0.059	-0.074	-0.052	0	0	0	0	0	0	NM_001081341	S phase cyclin A-associated protein in the ER (Scaper), mRNA.	Mme-M300009088	ILMN_1247878	0	0
219151	Scara3	-0.012	-0.262	-0.091	0	0	0	0	0	0	NM_172604	scavenger receptor class A, member 3 (Scara3), mRNA.	Mme-M300009368	ILMN_2706268	0	0
71145	Scara5	0.482	0.229	0.015	0	0	0	0	0	0	NM_028903	scavenger receptor class A, member 5 (putative) (Scara5), mRNA.	Mme-M200015626	ILMN_3008068	0	0
20778	Scarb1	0.024	-0.020	0.087	0	0	0	0	0	0	NM_016741	scavenger receptor class B, member 1 (Scarb1), mRNA.	Mme-M300011232	ILMN_1223315	0	0
12492	Scarb2	0.128	0.119	0.145	0	0	0	0	0	0	NM_007644	scavenger receptor class B, member 2 (Scarb2), mRNA.	Mme-M300006674	ILMN_2907331	0	0
380713	Scarf1	-0.378	0.071	0.068	0	0	0	0	0	0	NM_001004157	scavenger receptor class F, member 1 (Scarf1), mRNA.	Mme-M300011404	ILMN_2534249	0	0
224024	Scarf2	0.407	-0.172	-0.021	0	0	0	0	0	0	NM_153790	scavenger receptor class F, member 2 (Scarf2), mRNA.	Mme-M300001163	ILMN_2676127	0	0
109232	Sccpdh	-0.004	-0.090	-0.019	0	0	0	0	0	0	NM_178653	saccharopine dehydrogenase (putative) (Sccpdh), mRNA.	Mme-M300011851	ILMN_1232766	0	0
20249	Scd1	0.056	-0.503	-0.058	0	-1	0	0	0	0	NM_009127	stearoyl-Coenzyme A desaturase 1 (Scd1), mRNA.	Mme-M200009317	ILMN_1237375	0	0
20250	Scd2	0.133	-0.109	0.107	0	0	0	0	0	0	NM_009128	stearoyl-Coenzyme A desaturase 2 (Scd2), mRNA.	Mme-M200012250	ILMN_2919259	0	0
30049	Scd3	0.194	-0.076	-0.038	0	0	0	0	0	0	NM_024450	stearoyl-coenzyme A desaturase 3 (Scd3), mRNA.	Mme-M200016128	ILMN_1224968	0	0
329065	Scd4	0.037	0.013	0.015	0	0	0	0	0	0	NM_183216	stearoyl-coenzyme A desaturase 4 (Scd4), mRNA.	Mme-M300017967	ILMN_2653871	0	0
64929	Scel	-0.210	0.046	0.025	0	0	0	0	0	0	NM_022886	sciellin (Scel), mRNA.	Mme-M300003103	ILMN_2682120	0	0
76983	Scfd1	0.384	-0.061	0.070	0	0	0	0	0	0	NM_029825	sec1 family domain containing 1 (Scfd1), mRNA.	Mme-M200015254	ILMN_1257281	0	0
212986	Scfd2	-0.015	-0.005	0.048	0	0	0	0	0	0	NM_178672	sec1 family domain containing 2 (Scfd2), transcript variant b, mRNA.	Mme-M300010191	ILMN_2735650	0	0
20254	Scg2	0.499	0.346	-0.255	0	0	0	0	0	0	NM_009129	secretogranin II (Scg2), mRNA.	Mme-M200002108	ILMN_1237378	0	0
20255	Scg3	0.060	0.217	-0.112	0	0	0	0	0	0	NM_009130	secretogranin III (Scg3), mRNA.	Mme-M200000896	ILMN_2856986	0	0
20394	Scg5	0.498	0.129	0.088	0	0	0	0	0	0	NM_009162	secretogranin V (Scg5), mRNA.	Mme-M200001988	ILMN_2592953	0	0
22287	Scgb1a1	0.304	0.472	0.375	0	1	1	0	0	0	NM_011681	secretoglobin, family 1A, member 1 (uteroglobin) (Scgb1a1), mRNA.	Mme-M200000857	ILMN_2749152	0	0
57426	Scgb1b2	0.109	0.054	-0.001	0	0	0	0	0	0	NM_020563	androgen-binding protein eta (Apbh), mRNA.	Mme-M200002306	ILMN_1244436	0	0
11354	Scgb1b27	-0.261	0.049	-0.016	0	0	0	0	0	0	NM_009596	androgen binding protein alpha (Abpa), mRNA.	Mme-M400010953	ILMN_2703052	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
381970	Scgb2b2	0.074	-0.092	-0.023	0	0	0	0	0	0	NM_207262	androgen binding protein epsilon (Abpe), mRNA.	Mme-M300010417	ILMN_2771109	0	0
233090	Scgb2b24	0.029	-0.022	-0.077	0	0	0	0	0	0	NM_177446	androgen binding protein zeta (Abpz), mRNA.	Mme-M400003163	ILMN_1232401	0	0
110187	Scgb2b26	0.034	0.152	-0.177	0	0	0	0	0	0	NM_178308	androgen binding protein gamma (Abpg), mRNA.	Mme-M300014740	ILMN_2599449	0	0
233099	Scgb2b27	-0.091	0.024	-0.045	0	0	0	0	0	0	NM_001100464	androgen binding protein beta (Abpb), mRNA.	Mme-M400012616	ILMN_2915893	0	0
68662	Scgb3a1	0.132	-0.008	0.056	0	0	0	0	0	0	NM_054037	secretoglobin, family 3A, member 1 (Scgb3a1), transcript variant A, mRNA.	Mme-M200004515	ILMN_2638082	0	0
117158	Scgb3a2	-0.256	-0.034	-0.038	0	0	0	0	0	0	NM_054038	secretoglobin, family 3A, member 2 (Scgb3a2), mRNA.	Mme-M400002197	ILMN_2835481	0	0
214189	Scgn	-0.143	0.155	-0.081	0	0	0	0	0	0	NM_145399	secretagogin, EF-hand calcium binding protein (Scgn), mRNA.	Mme-M200008326	ILMN_1227332	0	0
30953	Schip1	0.096	0.187	0.047	0	0	0	0	0	0	NM_001113420	schwannomin interacting protein 1 (Schip1), transcript variant 2, mRNA.	Mme-M200004773	ILMN_2937320	0	0
327957	Scimp	0.250	0.637	0.152	0	1	0	0	1	0	NM_001045526	RIKEN cDNA A430084P05 gene (A430084P05Rik), mRNA.	Mme-M400005785	ILMN_2847437	1	0
20259	Scin	0.019	-0.403	-0.119	0	0	0	0	0	0	NM_009132	scinderin (Scin), mRNA.	Mme-M200000911	ILMN_1259174	0	0
67161	Sclt1	0.212	-0.252	0.071	0	0	0	0	0	0	NM_001081411	sodium channel and clathrin linker 1 (Sclt1), mRNA.	Mme-M400006977	ILMN_2985484	0	0
50880	Scly	-0.111	0.176	-0.025	0	0	0	0	0	0	NM_016717	selenocysteine lyase (Scly), mRNA.	Mme-M200006553	ILMN_2628281	0	0
29871	Scmh1	0.170	0.051	-0.004	0	0	0	0	0	0	NM_013883	sex comb on midleg homolog 1 (Scmh1), mRNA.	Mme-M200003668	ILMN_1230766	0	0
107815	Scml2	-0.134	-0.111	0.030	0	0	0	0	0	0	NM_133194	sex comb on midleg-like 2 (Drosophila) (Scml2), mRNA.	Mme-M400000003	ILMN_3089660	0	0
268297	Scml4	0.099	0.128	-0.041	0	0	0	0	0	0	NM_172938	sex comb on midleg-like 4 (Drosophila) (Scml4), mRNA.	Mme-M200016171	ILMN_2661185	0	0
20264	Scn10a	-0.131	0.141	-0.107	0	0	0	0	0	0	NM_009134	sodium channel, voltage-gated, type X, alpha (Scn10a), mRNA.	Mme-M400001709	ILMN_1242354	0	0
24046	Scn11a	-0.085	-0.222	-0.045	0	0	0	0	0	0	NM_011887	sodium channel, voltage-gated, type XI, alpha (Scn11a), mRNA.	Mme-M300009149	ILMN_1239210	0	0
20265	Scn1a	-0.272	-0.395	1.093	0	0	1	0	0	1	NM_018733	sodium channel, voltage-gated, type I, alpha (Scn1a), mRNA.	Mme-M400000981	ILMN_2762701	1	0
20266	Scn1b	0.053	-0.066	0.070	0	0	0	0	0	0	NM_011322	sodium channel, voltage-gated, type I, beta (Scn1b), mRNA.	Mme-M300001769	ILMN_2834198	0	0
110876	Scn2a1	0.306	0.214	0.125	0	0	0	0	0	0	NM_001099298	sodium channel, voltage-gated, type II, alpha 1 (Scn2a1), mRNA.	Mme-M400005805	ILMN_1214686	0	0
72821	Scn2b	0.110	0.058	-0.255	0	0	0	0	0	0	NM_001014761	sodium channel, voltage-gated, type II, beta (Scn2b), mRNA.	Mme-M400002047	ILMN_2451529	0	0
20269	Scn3a	0.365	0.136	-0.118	0	0	0	0	0	0	NM_018732	sodium channel, voltage-gated, type III, alpha (Scn3a), mRNA.	Mme-M400008444	ILMN_1218700	0	0
235281	Scn3b	-0.163	0.132	-0.103	0	0	0	0	0	0	NM_178227	sodium channel, voltage-gated, type III, beta (Scn3b), transcript variant 2, mRNA.	Mme-M200015599	ILMN_3163577	0	0
110880	Scn4a	0.652	0.102	0.014	1	0	0	0	0	0	NM_133199	sodium channel, voltage-gated, type IV, alpha (Scn4a), mRNA.	Mme-M200009897	ILMN_2814847	0	0
399548	Scn4b	-0.262	-0.060	-0.129	0	0	0	0	0	0	NM_001013390	sodium channel, type IV, beta (Scn4b), mRNA.	Mme-M300017380	ILMN_2813547	0	0
20271	Scn5a	0.206	-0.061	-0.166	0	0	0	0	0	0	NM_021544	sodium channel, voltage-gated, type V, alpha (Scn5a), mRNA.	Mme-M200008550	ILMN_1250265	0	0
20272	Scn7a	-0.213	-0.191	-0.116	0	0	0	0	0	0	NM_009135	sodium channel, voltage-gated, type VII, alpha (Scn7a), mRNA.	Mme-M300009557	ILMN_2656777	0	0
69269	Scnm1	0.079	0.237	-0.165	0	0	0	0	0	0	NM_027013	sodium channel modifier 1 (Scnm1), mRNA.	Mme-M200012117	ILMN_2711714	0	0
20276	Scnn1a	0.266	0.092	0.008	0	0	0	0	0	0	NM_011324	sodium channel, nonvoltage-gated, type I, alpha (Scnn1a), mRNA.	Mme-M300007153	ILMN_2729607	0	0
20277	Scnn1b	0.045	0.060	-0.201	0	0	0	0	0	0	NM_011325	sodium channel, nonvoltage-gated 1 beta (Scnn1b), mRNA.	Mme-M200002587	ILMN_2618383	0	0
20278	Scnn1g	-0.367	0.098	-0.085	0	0	0	0	0	0	NM_011326	sodium channel, nonvoltage-gated 1 gamma (Scnn1g), mRNA.	Mme-M400000010	ILMN_2759914	0	0
52892	Sco1	-0.007	-0.098	0.098	0	0	0	0	0	0	NM_001040026	SCO cytochrome oxidase deficient homolog 1 (yeast) (Sco1), nuclear gene encoding mitochondrial protein, mRN	Mme-M400013060	ILMN_1218036	0	0
56367	Scoc	-0.316	0.149	-0.155	0	0	0	0	0	0	NM_001039137	short coiled-coil protein (Scoc), transcript variant 1, mRNA.	Mme-M300000284	ILMN_1239661	0	0
20280	Scp2	0.106	0.105	-0.086	0	0	0	0	0	0	NM_011327	sterol carrier protein 2, liver (Scp2), mRNA.	Mme-M300006187	ILMN_2705886	0	0
66328	Scp2d1	-0.138	-0.060	0.018	0	0	0	0	0	0	NM_025490	RIKEN cDNA 1700010M22 gene (1700010M22Rik), mRNA.	Mme-M400001007	ILMN_1245353	0	0
74617	Scpep1	0.372	-0.030	-0.007	0	0	0	0	0	0	NM_029023	serine carboxypeptidase 1 (Scpep1), mRNA.	Mme-M400011656	ILMN_2736968	0	0
20284	Scrg1	0.429	0.360	0.051	0	0	0	0	0	0	NM_009136	scrapie responsive gene 1 (Scrg1), mRNA.	Mme-M200003167	ILMN_2599233	0	0
105782	Scrib	0.087	-0.105	-0.090	0	0	0	0	0	0	NM_134089	scribbled homolog (Drosophila) (Scrib), mRNA.	Mme-M200005148	ILMN_2722389	0	0
69938	Scrn1	-0.190	0.119	0.084	0	0	0	0	0	0	NM_027268	secernin 1 (Scrn1), mRNA.	Mme-M200013649	ILMN_1240987	0	0
217140	Scrn2	0.034	-0.124	-0.033	0	0	0	0	0	0	NM_146027	secernin 2 (Scrn2), mRNA.	Mme-M200014429	ILMN_2692341	0	0
74616	Scrn3	0.031	0.019	-0.093	0	0	0	0	0	0	NM_029022	secernin 3 (Scrn3), mRNA.	Mme-M300000957	ILMN_1217164	0	0
170729	Scrt1	-0.179	-0.027	-0.048	0	0	0	0	0	0	NM_130893	scratch homolog 1, zinc finger protein (Drosophila) (Scrt1), mRNA.	Mme-M300019191	ILMN_2607114	0	0
545474	Scrt2	-0.219	0.101	0.071	0	0	0	0	0	0	XM_904795	PREDICTED: scratch homolog 2, zinc finger protein (Drosophila) (Scrt2), mRNA.	Mme-M400007163	ILMN_1243552	0	0
20287	Sct	-0.011	0.837	0.250	0	1	0	0	1	0	NM_011328	secretin (Sct), mRNA.	Mme-M200001916	ILMN_2592834	1	0
319229	Sctr	0.058	0.303	-0.081	0	0	0	0	0	0	NM_001012322	secretin receptor (Sctr), mRNA.	Mme-M300005071	ILMN_3152204	0	0
64706	Scube1	0.103	0.198	0.104	0	0	0	0	0	0	NM_022723	signal peptide, CUB domain, EGF-like 1 (Scube1), mRNA.	Mme-M300001537	ILMN_2755815	0	0
56788	Scube2	-0.420	-0.129	-0.087	0	0	0	0	0	0	NM_020052	signal peptide, CUB domain, EGF-like 2 (Scube2), mRNA.	Mme-M200008284	ILMN_2636183	0	0
20289	Scx	-0.156	-0.245	-0.133	0	0	0	0	0	0	NM_198885	scleraxis (Scx), mRNA.	Mme-M300009182	ILMN_1226016	0	0
78891	Scyl1	0.091	0.078	-0.134	0	0	0	0	0	0	NM_023912	SCY1-like 1 (S. cerevisiae) (Scyl1), mRNA.	Mme-M200012084	ILMN_2954195	0	0
213326	Scyl2	-0.010	0.029	0.064	0	0	0	0	0	0	NM_198021	SCY1-like 2 (S. cerevisiae) (Scyl2), mRNA.	Mme-M400012577	ILMN_1230364	0	0
240880	Scyl3	-0.155	0.103	0.099	0	0	0	0	0	0	NM_028776	SCY1-like 3 (S. cerevisiae) (Scyl3), mRNA.	Mme-M200005860	ILMN_2615601	0	0
231452	Sdad1	0.190	0.219	-0.058	0	0	0	0	0	0	NM_172713	SDA1 domain containing 1 (Sdad1), mRNA.	Mme-M300006669	ILMN_1250278	0	0
20969	Sdc1	-0.006	0.025	-0.052	0	0	0	0	0	0	NM_011519	syndecan 1 (Sdc1), mRNA.	Mme-M200000982	ILMN_2756943	0	0
15529	Sdc2	0.304	-0.188	-0.132	0	0	0	0	0	0	NM_008304	syndecan 2 (Sdc2), mRNA.	Mme-M200006442	ILMN_2619983	0	0
20970	Sdc3	-0.198	-0.052	0.045	0	0	0	0	0	0	NM_011520	syndecan 3 (Sdc3), mRNA.	Mme-M300004746	ILMN_2715042	0	0
20971	Sdc4	0.195	0.017	-0.136	0	0	0	0	0	0	NM_011521	syndecan 4 (Sdc4), mRNA.	Mme-M200001461	ILMN_2728729	0	0
53378	Sdcbp	0.212	0.184	0.168	0	0	0	0	0	0	NM_016807	syndecan binding protein (Sdcbp), transcript variant 2, mRNA.	Mme-M200003339	ILMN_2751539	0	0
228765	Sdcbp2	-0.019	0.101	-0.039	0	0	0	0	0	0	NM_145535	syndecan binding protein (syntenin) 2 (Sdcbp2), mRNA.	Mme-M200007180	ILMN_2684145	0	0
68112	Sdccag3	0.083	-0.123	0.131	0	0	0	0	0	0	NM_001085408	serologically defined colon cancer antigen 3 (Sdccag3), transcript variant 4, mRNA.	Mme-M300005384	ILMN_2605566	0	0
76816	Sdccag8	0.057	0.070	0.028	0	0	0	0	0	0	NM_029756	serologically defined colon cancer antigen 8 (Sdccag8), mRNA.	Mme-M300005144	ILMN_1223610	0	0
208768	Sde2	0.205	-0.076	0.087	0	0	0	0	0	0	NM_145943	cDNA sequence BC031781 (BC031781), mRNA.	Mme-M300011779	ILMN_2894040	0	0
20316	Sdf2	0.023	0.133	-0.111	0	0	0	0	0	0	NM_009143	stromal cell derived factor 2 (Sdf2), mRNA.	Mme-M200000339	ILMN_2791326	0	0
64136	Sdf2l1	0.629	0.140	-0.213	0	0	0	0	0	0	NM_022324	stromal cell-derived factor 2-like 1 (Sdf2l1), mRNA.	Mme-M200006905	ILMN_1221943	0	0
20318	Sdf4	0.148	0.205	-0.005	0	0	0	0	0	0	NM_011341	stromal cell derived factor 4 (Sdf4), mRNA.	Mme-M200006866	ILMN_2726315	0	0
66945	Sdha	0.159	-0.066	0.005	0	0	0	0	0	0	NM_023281	succinate dehydrogenase complex, subunit A, flavoprotein (Fp) (Sdha), nuclear gene encoding mitochondrial prc	Mme-M200004302	ILMN_1240450	0	0
68332	Sdhaf1	0.241	-0.327	-0.071	0	0	0	0	0	0	NM_001033140	RIKEN cDNA 0610010E21 gene (0610010E21Rik), mRNA.	Mme-M400012930	ILMN_2891688	0	0
66072	Sdhaf2	0.167	0.103	0.135	0	0	0	0	0	0	NM_025333	RIKEN cDNA 0610038F07 gene (0610038F07Rik), mRNA.	Mme-M200003511	ILMN_2596016	0	0
67680	Sdhb	0.257	0.123	0.267	0	0	0	0	0	0	NM_023374	succinate dehydrogenase complex, subunit B, iron sulfur (Ip) (Sdhb), mRNA.	Mme-M200006345	ILMN_2769064	0	0
66052	Sdhc	0.163	-0.034	-0.279	0	0	0	0	0	0	NM_025321	succinate dehydrogenase complex, subunit C, integral membrane protein (Sdhc), nuclear gene encoding mitoch	Mme-M200004326	ILMN_2594149	0	0
66925	Sdhd	0.220	0.060	0.257	0	0	0	0	0	0	NM_025848	succinate dehydrogenase complex, subunit D, integral membrane protein (Sdhd), nuclear gene encoding mitoch	Mme-M200002927	ILMN_1239143	0	0
330222	Sdk1	0.027	-0.299	-0.074	0	0	0	0	0	0	NM_177879	sidekick homolog 1 (chicken) (Sdk1), mRNA.	Mme-M400005123	ILMN_2728889	0	0
237979	Sdk2	0.042	-0.046	-0.153	0	0	0	0	0	0	NM_172800	sidekick homolog 2 (chicken) (Sdk2), mRNA.	Mme-M300013237	ILMN_2885188	0	0
20324	Sdpr	0.407	-0.081	0.004	0	0	0	0	0	0	NM_138741	serum deprivation response (Sdpr), mRNA.	Mme-M300016875	ILMN_2687547	0	0
242285	Sdr16c5	-0.045	0.051	-0.022	0	0	0	0	0	0	NM_181989	retinal short chain dehydrogenase reductase 2 (Rdhe2), mRNA.	Mme-M300006005	ILMN_1235403	0	0
654795	Sdr39u1	0.116	0.131	-0.158	0	0	0	0	0	0	NM_001082975	RIKEN cDNA 2310014G06 gene (2310014G06Rik), mRNA.	Mme-M300003149	ILMN_2470889	0	0
74032	Sdr42e1	-0.042	-0.065	-0.098	0	0	0	0	0	0	NM_028725	RIKEN cDNA 4632417N05 gene (4632417N05Rik), mRNA.	Mme-M200004656	ILMN_2886896	0	0
70061	Sdr9c7	-0.347	-0.084	-0.090	0	0	0	0	0	0	NM_027301	retinol dehydrogenase 20 (Rdh20), mRNA.	Mme-M300012525	ILMN_2647240	0	0
231691	Sds	-0.192	0.091	-0.057	0	0	0	0	0	0	NM_145565	serine dehydratase (Sds), mRNA.	Mme-M200006126	ILMN_1255497	0	0
257635	Sdsl	-0.216	-0.158	-0.014	0	0	0	0	0	0	NM_133902	serine dehydratase-like (Sdsl), mRNA.	Mme-M300006758	ILMN_1231627	0	0
18292	Sebox	-0.226	-0.032	-0.031	0	0	0	0	0	0	NM_008759	SEBOX homeobox (Sebox), mRNA.	Mme-M200009411	ILMN_2760088	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56546	Sec1	0.263	-0.063	-0.070	0	0	0	0	0	0	NM_019934	secretory blood group 1 (Sec1), mRNA.	Mme-M400002358	ILMN_2733335	0	0
56529	Sec11a	0.433	0.089	-0.054	0	0	0	0	0	0	NM_019951	SEC11 homolog A (S. cerevisiae) (Sec11a), mRNA.	Mme-M200014009	ILMN_2652936	0	0
66286	Sec11c	0.022	-0.129	0.143	0	0	0	0	0	0	NM_025468	SEC11 homolog C (S. cerevisiae) (Sec11c), mRNA.	Mme-M200005705	ILMN_1221592	0	0
110379	Sec13	0.272	0.036	-0.024	0	0	0	0	0	0	NM_024206	SEC13 homolog (S. cerevisiae) (Sec13), mRNA.	Mme-M200006422	ILMN_2617402	0	0
74136	Sec14l1	0.159	0.156	-0.320	0	0	-1	0	0	0	NM_028777	SEC14-like 1 (S. cerevisiae) (Sec14l1), mRNA.	Mme-M400000423	ILMN_2953751	0	0
67815	Sec14l2	-0.061	-0.186	-0.037	0	0	0	0	0	0	NM_144520	SEC14-like 2 (S. cerevisiae) (Sec14l2), mRNA.	Mme-M400000076	ILMN_2707017	0	0
380683	Sec14l3	0.314	-0.793	-0.067	0	-1	0	0	-1	0	NM_001029937	SEC14-like 3 (S. cerevisiae) (Sec14l3), mRNA.	Mme-M400005005	ILMN_1241255	0	1
103655	Sec14l4	0.153	-0.358	-0.044	0	0	0	0	0	0	NM_146013	SEC14-like 4 (S. cerevisiae) (Sec14l4), mRNA.	Mme-M300001784	ILMN_2605013	0	0
227648	Sec16a	0.325	0.076	-0.200	0	0	0	0	0	0	NM_153125	SEC16 homolog A (S. cerevisiae) (Sec16a), mRNA.	Mme-M300005380	ILMN_1225772	0	0
89867	Sec16b	-0.202	0.130	-0.046	0	0	0	0	0	0	NM_033354	SEC16 homolog B (S. cerevisiae) (Sec16b), mRNA.	Mme-M300005189	ILMN_1254335	0	0
317717	Sec22a	0.204	-0.134	-0.090	0	0	0	0	0	0	NM_133704	SEC22 vesicle trafficking protein-like A (S. cerevisiae) (Sec22a), mRNA.	Mme-M300009370	ILMN_2747735	0	0
20333	Sec22b	0.416	0.099	-0.011	0	0	0	0	0	0	NM_011342	SEC22 vesicle trafficking protein homolog B (S. cerevisiae) (Sec22b), mRNA.	Mme-M300005827	ILMN_2906847	0	0
215474	Sec22c	-0.227	0.105	0.079	0	0	0	0	0	0	NM_178677	SEC22 vesicle trafficking protein-like C (S. cerevisiae) (Sec22c), mRNA.	Mme-M300012235	ILMN_2798964	0	0
20334	Sec23a	-0.179	-0.055	-0.062	0	0	0	0	0	0	NM_009147	SEC23A (S. cerevisiae) (Sec23a), mRNA.	Mme-M200004890	ILMN_1213958	0	0
27054	Sec23b	0.250	0.071	-0.097	0	0	0	0	0	0	NM_019787	SEC23B (S. cerevisiae) (Sec23b), mRNA.	Mme-M300005641	ILMN_2650299	0	0
207352	Sec23ip	0.299	-0.142	0.034	0	0	0	0	0	0	NM_001029982	Sec23 interacting protein (Sec23ip), mRNA.	Mme-M400005126	ILMN_2755804	0	0
77371	Sec24a	0.225	0.118	0.047	0	0	0	0	0	0	NM_175255	SEC24 related gene family, member A (S. cerevisiae) (Sec24a), mRNA.	Mme-M300010362	ILMN_1244794	0	0
99683	Sec24b	-0.034	0.124	-0.067	0	0	0	0	0	0	NM_207209	SEC24 related gene family, member B (S. cerevisiae) (Sec24b), mRNA.	Mme-M300000143	ILMN_1219269	0	0
218811	Sec24c	0.163	0.075	-0.116	0	0	0	0	0	0	NM_172596	SEC24 related gene family, member C (S. cerevisiae) (Sec24c), mRNA.	Mme-M300012116	ILMN_1216919	0	0
69608	Sec24d	0.435	0.034	-0.032	0	0	0	0	0	0	NM_027135	SEC24 related gene family, member D (S. cerevisiae) (Sec24d), mRNA.	Mme-M200006420	ILMN_2536603	0	0
69162	Sec31a	0.160	0.155	-0.132	0	0	0	0	0	0	XM_132230	PREDICTED: SEC31 homolog A (S. cerevisiae) (Sec31a), mRNA.	Mme-M200003654	ILMN_2705966	0	0
240667	Sec31b	-0.025	-0.015	-0.094	0	0	0	0	0	0	NM_001033343	Sec31 homolog B (S. cerevisiae) (Sec31b), mRNA.	Mme-M400001932	ILMN_2531717	0	0
53421	Sec61a1	0.235	0.180	-0.062	0	0	0	0	0	0	NM_016906	Sec61 alpha 1 subunit (S. cerevisiae) (Sec61a1), mRNA.	Mme-M200005972	ILMN_3162476	0	0
57743	Sec61a2	-0.075	0.067	0.065	0	0	0	0	0	0	NM_021305	Sec61, alpha subunit 2 (S. cerevisiae) (Sec61a2), mRNA.	Mme-M200004126	ILMN_2655668	0	0
66212	Sec61b	0.403	-0.142	-0.069	0	0	0	0	0	0	NM_024171	Sec61 beta subunit (Sec61b), mRNA.	Mme-M300015169	ILMN_2609807	0	0
20335	Sec61g	0.461	0.202	0.083	0	0	0	0	0	0	NM_011343	SEC61, gamma subunit (Sec61g), transcript variant 1, mRNA.	Mme-M400009613	ILMN_2657628	0	0
69276	Sec62	0.037	-0.209	0.094	0	0	0	0	0	0	NM_027016	translocation protein 1 (Tloc1), mRNA.	Mme-M300005763	ILMN_2683080	0	0
140740	Sec63	0.138	-0.180	0.059	0	0	0	0	0	0	NM_153055	SEC63-like (S. cerevisiae) (Sec63), mRNA.	Mme-M200008208	ILMN_2694578	0	0
70354	Secisbp2l	-0.247	-0.091	0.245	0	0	0	0	0	0	NM_177608	RIKEN cDNA 3110001I20 gene (3110001I20Rik), mRNA.	Mme-M300009692	ILMN_2636990	0	0
209588	Sectm1a	0.160	0.619	0.088	0	1	0	0	1	0	NM_145373	secreted and transmembrane 1A (Sectm1a), mRNA.	Mme-M200015271	ILMN_2656107	1	0
58210	Sectm1b	0.190	0.233	-0.018	0	0	0	0	0	0	NM_026907	secreted and transmembrane 1B (Sectm1b), mRNA.	Mme-M200011927	ILMN_1252655	0	0
72124	Seh1l	0.129	0.077	0.038	0	0	0	0	0	0	NM_001039088	SEH1-like (S. cerevisiae (Seh1l), transcript variant 1, mRNA.	Mme-M400000754	ILMN_3024099	0	0
20338	Sel1l	0.094	-0.269	0.120	0	0	0	0	0	0	NM_011344	sel-1 suppressor of lin-12-like (C. elegans) (Sel1l), transcript variant 2, mRNA.	Mme-M300002491	ILMN_3137920	0	0
228684	Sel1l2	-0.125	-0.045	0.100	0	0	0	0	0	0	NM_001033296	sel-1 suppressor of lin-12-like 2 (C. elegans) (Sel1l2), mRNA.	Mme-M400008596	ILMN_2938851	0	0
231238	Sel1l3	0.215	0.137	0.000	0	0	0	0	0	0	NM_172710	RIKEN cDNA 2310045A20 gene (2310045A20Rik), mRNA.	Mme-M200004965	ILMN_2663281	0	0
20339	Sele	-0.056	-0.023	-0.028	0	0	0	0	0	0	NM_011345	selectin, endothelial cell (Sele), mRNA.	Mme-M400000947	ILMN_1229155	0	0
20341	Selenbp1	-0.347	-0.086	-0.109	0	0	0	0	0	0	NM_009150	selenium binding protein 1 (Selenbp1), mRNA.	Mme-M400010898	ILMN_2727309	0	0
20342	Selenbp2	0.009	-0.119	0.027	0	0	0	0	0	0	NM_019414	selenium binding protein 2 (Selenbp2), mRNA.	Mme-M400000117	ILMN_2939652	0	0
80795	Selk	0.050	-0.081	-0.083	0	0	0	0	0	0	NM_019979	selenoprotein K (Selk), mRNA.	Mme-M200008667	ILMN_2671601	0	0
20343	Sell	0.211	0.849	0.276	0	1	0	0	1	0	NM_011346	selectin, lymphocyte (Sell), mRNA.	Mme-M400000946	ILMN_3009860	1	0
114679	Selm	0.055	-0.079	-0.104	0	0	0	0	0	0	NM_053267	selenoprotein M (Selm), mRNA.	Mme-M200007474	ILMN_1226838	0	0
20344	Selp	0.181	-0.101	0.369	0	0	1	0	0	0	NM_011347	selectin, platelet (Selp), mRNA.	Mme-M400000945	ILMN_1236889	0	0
20345	Selplg	-0.045	0.514	0.112	0	1	0	0	0	0	NM_009151	selectin, platelet (p-selectin) ligand (Selplg), mRNA.	Mme-M200004309	ILMN_2585233	0	0
69227	Selt	0.139	-0.094	0.080	0	0	0	0	0	0	NM_001040396	RIKEN cDNA 2810407C02 gene (2810407C02Rik), mRNA.	Mme-M200013446	ILMN_1240134	0	0
20346	Sema3a	-0.148	0.000	0.046	0	0	0	0	0	0	NM_009152	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A (Sema3a), mRNA.	Mme-M200002094	ILMN_2684289	0	0
20347	Sema3b	-0.095	0.026	-0.200	0	0	0	0	0	0	NM_009153	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B (Sema3b), transcript	Mme-M300001086	ILMN_3092046	0	0
20348	Sema3c	0.187	-0.057	-0.027	0	0	0	0	0	0	NM_013657	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C (Sema3c), mRNA.	Mme-M200002131	ILMN_2673323	0	0
108151	Sema3d	0.060	0.016	0.089	0	0	0	0	0	0	NM_028882	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D (Sema3d), mRNA.	Mme-M300012571	ILMN_1244658	0	0
20349	Sema3e	-0.172	-0.170	-0.021	0	0	0	0	0	0	NM_011348	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E (Sema3e), mRNA.	Mme-M300006350	ILMN_2720976	0	0
20350	Sema3f	-0.144	-0.219	-0.283	0	0	0	0	0	0	NM_011349	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F (Sema3f), mRNA.	Mme-M300009480	ILMN_2635631	0	0
218877	Sema3g	-0.153	0.168	0.033	0	0	0	0	0	0	NM_001025379	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G (Sema3g), mRNA.	Mme-M400008929	ILMN_2925225	0	0
20351	Sema4a	-0.235	0.354	0.237	0	0	0	0	0	0	NM_013658	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema	Mme-M200004279	ILMN_1215120	0	0
20352	Sema4b	0.062	-0.008	-0.048	0	0	0	0	0	0	NM_013659	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema	Mme-M200002669	ILMN_1226447	0	0
20354	Sema4d	-0.131	0.104	-0.008	0	0	0	0	0	0	NM_013660	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema	Mme-M200007440	ILMN_2762582	0	0
20355	Sema4f	-0.010	0.263	-0.028	0	0	0	0	0	0	NM_011350	sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain (Sema4f), transcript vari	Mme-M200013848	ILMN_2998813	0	0
26456	Sema4g	-0.082	-0.036	0.177	0	0	0	0	0	0	NM_011976	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (sema	Mme-M200007566	ILMN_2718314	0	0
20356	Sema5a	-0.116	0.065	-0.110	0	0	0	0	0	0	NM_009154	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short c	Mme-M400015706	ILMN_2604224	0	0
20357	Sema5b	-0.071	0.157	-0.056	0	0	0	0	0	0	NM_013661	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short c	Mme-M300003549	ILMN_2606570	0	0
20358	Sema6a	-0.009	0.209	0.065	0	0	0	0	0	0	NM_018744	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A (Sema6a), mRNA.	Mme-M300001802	ILMN_2462284	0	0
20360	Sema6c	-0.127	-0.072	0.099	0	0	0	0	0	0	NM_011351	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C (Sema6c), mRNA.	Mme-M200016248	ILMN_2876749	0	0
214968	Sema6d	-0.123	-0.057	0.132	0	0	0	0	0	0	NM_199238	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D (Sema6d), transcript var	Mme-M300005507	ILMN_3103992	0	0
20361	Sema7a	0.153	0.150	-0.113	0	0	0	0	0	0	NM_011352	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (Sema7a), mRNA.	Mme-M200013843	ILMN_2790357	0	0
223870	Senp1	0.316	-0.062	0.009	0	0	0	0	0	0	NM_144851	SUMO1/sentrin specific peptidase 1 (Senp1), mRNA.	Mme-M200009018	ILMN_1248184	0	0
75826	Senp2	0.023	-0.018	0.062	0	0	0	0	0	0	NM_029457	SUMO/sentrin specific peptidase 2 (Senp2), mRNA.	Mme-M300003556	ILMN_1250929	0	0
80886	Senp3	-0.201	0.091	-0.022	0	0	0	0	0	0	NM_030702	SUMO/sentrin specific peptidase 3 (Senp3), mRNA.	Mme-M200004341	ILMN_1225635	0	0
320213	Senp5	0.075	-0.124	0.090	0	0	0	0	0	0	NM_177103	SUMO/sentrin specific peptidase 5 (Senp5), mRNA.	Mme-M300003495	ILMN_1259953	0	0
215351	Senp6	0.039	-0.126	0.030	0	0	0	0	0	0	NM_146003	SUMO/sentrin specific peptidase 6 (Senp6), mRNA.	Mme-M300009240	ILMN_2714855	0	0
66315	Senp7	0.130	-0.170	0.112	0	0	0	0	0	0	NM_001003971	SUMO1/sentrin specific peptidase 7 (Senp7), transcript variant 2, mRNA.	Mme-M400013871	ILMN_3098927	0	0
71599	Senp8	0.002	0.099	-0.097	0	0	0	0	0	0	NM_027838	SUMO/sentrin specific peptidase 8 (Senp8), mRNA.	Mme-M200015487	ILMN_2744936	0	0
93684	Sep15	0.266	-0.118	0.062	0	0	0	0	0	0	NM_053102	selenoprotein (Sep15), mRNA.	Mme-M400001976	ILMN_2761487	0	0
109079	Sephs1	-0.041	-0.228	-0.001	0	0	0	0	0	0	NM_175400	selenophosphate synthetase 1 (Sephs1), mRNA.	Mme-M300005232	ILMN_2599570	0	0
20768	Sephs2	0.222	-0.089	0.030	0	0	0	0	0	0	NM_009266	selenophosphate synthetase 2 (Sephs2), mRNA.	Mme-M300019855	ILMN_1217590	0	0
74777	Sepn1	-0.087	0.113	0.077	0	0	0	0	0	0	NM_029100	selenoprotein N, 1 (Sepn1), mRNA.	Mme-M400003762	ILMN_2660862	0	0
20363	Sepp1	-0.034	-0.214	0.083	0	0	0	0	0	0	NM_001042613	selenoprotein P, plasma, 1 (Sepp1), transcript variant 2, mRNA.	Mme-M400010899	ILMN_1247553	0	0
211006	Sepsecs	0.170	-0.198	0.104	0	0	0	0	0	0	NM_172490	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase (Sepsecs), mRNA.	Mme-M300006529	ILMN_2742345	0	0
54204	Sept1	-0.057	0.033	0.116	0	0	0	0	0	0	NM_017461	septin 1 (Sept1), mRNA.	Mme-M200000007	ILMN_1225633	0	0
103080	Sept10	0.103	-0.109	-0.188	0	0	0	0	0	0	NM_001024910	septin 10 (Sept10), transcript variant 1, mRNA.	Mme-M300001895	ILMN_3031845	0	0
52398	Sept11	-0.030	0.002	0.084	0	0	0	0	0	0	NM_001009818	septin 11 (Sept11), mRNA.	Mme-M400006153	ILMN_2449120	0	0
71089	Sept12	0.002	0.063	-0.132	0	0	0	0	0	0	NM_027669	septin 12 (Sept12), mRNA.	Mme-M200012620	ILMN_1236861	0	0
74222	Sept14	-0.086	-0.039	-0.015	0	0	0	0	0	0	NM_028826	RIKEN cDNA 1700016K13 gene (1700016K13Rik), mRNA.	Mme-M200010708	ILMN_1252820	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
18000	Sept2	0.126	-0.119	0.070	0	0	0	0	0	0	NM_010891	septin 2 (Sept2), mRNA.	Mme-M400000910	ILMN_2914510	0	0
24050	Sept3	0.144	0.073	-0.338	0	0	-1	0	0	0	NM_011889	septin 3 (Sept3), mRNA.	Mme-M400015055	ILMN_1218471	0	0
18952	Sept4	0.124	-0.044	-0.040	0	0	0	0	0	0	NM_011129	septin 4 (Sept4), mRNA.	Mme-M200000840	ILMN_2604393	0	0
18951	Sept5	-0.025	0.403	0.125	0	0	0	0	0	0	NM_213614	septin 5 (Sept5), mRNA.	Mme-M300013149	ILMN_2828265	0	0
56526	Sept6	-0.093	0.288	-0.061	0	0	0	0	0	0	NM_019942	septin 6 (Sept6), mRNA.	Mme-M300017244	ILMN_2625867	0	0
235072	Sept7	-0.173	0.001	0.093	0	0	0	0	0	0	NM_009859	septin 7 (Sept7), mRNA.	Mme-M300000235	ILMN_1217625	0	0
20362	Sept8	0.012	0.151	0.018	0	0	0	0	0	0	NM_033144	septin 8 (Sept8), mRNA.	Mme-M200014112	ILMN_1218866	0	0
53860	Sept9	0.130	0.229	0.077	0	0	0	0	0	0	NM_017380	septin 9 (Sept9), transcript variant 4, mRNA.	Mme-M200008074	ILMN_2602185	0	0
20364	Sepw1	0.031	0.427	-0.012	0	1	0	0	0	0	NM_009156	selenoprotein W, muscle 1 (Sepw1), mRNA.	Mme-M300013230	ILMN_1252204	0	0
321007	Serac1	0.037	0.038	0.068	0	0	0	0	0	0	NM_177311	serine active site containing 1 (Serac1), transcript variant 2, mRNA.	Mme-M300001438	ILMN_1258674	0	0
66870	Serbp1	0.206	-0.114	-0.184	0	0	0	0	0	0	NM_001113566	Serpine1 mRNA binding protein 1 (Serbp1), transcript variant 4, mRNA.	Mme-M400016290	ILMN_2683071	0	0
20365	Serf1	-0.072	-0.212	0.143	0	0	0	0	0	0	NM_011353	small EDRK-rich factor 1 (Serf1), mRNA.	Mme-M200000687	ILMN_2631518	0	0
378702	Serf2	0.170	0.142	-0.171	0	0	0	0	0	0	NM_011354	small EDRK-rich factor 2 (Serf2), mRNA.	Mme-M300014834	ILMN_1223346	0	0
27414	Sergef	0.074	0.045	-0.152	0	0	0	0	0	0	NM_013789	secretion regulating guanine nucleotide exchange factor (Sergef), mRNA.	Mme-M200015436	ILMN_1249444	0	0
68607	Serhl	0.188	0.157	-0.145	0	0	0	0	0	0	NM_023475	serine hydrolase-like (Serhl), mRNA.	Mme-M400006398	ILMN_2647172	0	0
56442	Serinc1	-0.003	-0.115	0.055	0	0	0	0	0	0	NM_019760	serine incorporator 1 (Serinc1), mRNA.	Mme-M200006439	ILMN_2775381	0	0
230779	Serinc2	0.309	0.057	0.044	0	0	0	0	0	0	NM_172702	serine incorporator 2 (Serinc2), mRNA.	Mme-M300003706	ILMN_1255254	0	0
26943	Serinc3	0.282	-0.147	0.126	0	0	0	0	0	0	NM_012032	serine incorporator 3 (Serinc3), mRNA.	Mme-M200002061	ILMN_2787844	0	0
574418	Serinc4	-0.153	0.082	-0.076	0	0	0	0	0	0	NM_001025371	serine incorporator 4 (Serinc4), mRNA.	Mme-M400003112	ILMN_2795365	0	0
218442	Serinc5	-0.260	0.149	-0.058	0	0	0	0	0	0	NM_172588	serine incorporator 5 (Serinc5), mRNA.	Mme-M300002908	ILMN_2652328	0	0
28146	Serp1	0.431	0.158	-0.096	0	0	0	0	0	0	NM_030685	DNA segment, Chr 3, University of California at Los Angeles 1 (D3Ucla1), mRNA.	Mme-M200006607	ILMN_2805945	0	0
72661	Serp2	-0.039	-0.147	-0.212	0	0	0	0	0	0	XM_894566	PREDICTED: RIKEN cDNA 2810032E02 gene (2810032E02Rik), mRNA.	Mme-M400004181	ILMN_2644068	0	0
217847	Serpina10	-0.132	0.094	0.072	0	0	0	0	0	0	NM_144834	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10 (Serpina10), m	Mme-M200006320	ILMN_1259215	0	0
380780	Serpina11	0.071	-0.033	-0.037	0	0	0	0	0	0	NM_199314	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 11 (Serpina11), m	Mme-M300002544	ILMN_2704097	0	0
68054	Serpina12	-0.183	-0.071	-0.048	0	0	0	0	0	0	NM_026535	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12 (Serpina12), m	Mme-M400002516	ILMN_1218236	0	0
20700	Serpina1a	0.198	0.057	0.075	0	0	0	0	0	0	NM_009243	serine (or cysteine) peptidase inhibitor, clade A, member 1a (Serpina1a), mRNA.	Mme-M400010913	ILMN_1225699	0	0
20702	Serpina1c	0.087	-0.073	0.106	0	0	0	0	0	0	NM_009245	serine (or cysteine) peptidase inhibitor, clade A, member 1c (Serpina1c), mRNA.	Mme-M400006610	ILMN_3004600	0	0
20703	Serpina1d	0.294	0.055	0.156	0	0	0	0	0	0	NM_009246	serine (or cysteine) peptidase inhibitor, clade A, member 1d (Serpina1d), mRNA.	Mme-M400005836	ILMN_1225570	0	0
20704	Serpina1e	-0.059	0.050	0.052	0	0	0	0	0	0	NM_009247	serine (or cysteine) peptidase inhibitor, clade A, member 1e (Serpina1e), mRNA.	Mme-M400008558	ILMN_1220234	0	0
68348	Serpina1f	0.061	-0.048	0.004	0	0	0	0	0	0	NM_026687	serine (or cysteine) peptidase inhibitor, clade A, member 1f (Serpina1f), mRNA.	Mme-M200003818	ILMN_2725876	0	0
74069	Serpina3a	-0.162	0.063	-0.005	0	0	0	0	0	0	XM_282560	PREDICTED: serine (or cysteine) peptidase inhibitor, clade A, member 3A, transcript variant 1 (Serpina3a), mRNA	Mme-M400002509	ILMN_2610378	0	0
271047	Serpina3b	-0.553	-0.058	0.014	0	0	0	0	0	0	NM_173024	serine (or cysteine) peptidase inhibitor, clade A, member 3B (Serpina3b), mRNA.	Mme-M300013181	ILMN_2611591	0	0
16625	Serpina3c	0.266	0.072	-0.008	0	0	0	0	0	0	NM_008458	serine (or cysteine) peptidase inhibitor, clade A, member 3C (Serpina3c), mRNA.	Mme-M300013202	ILMN_2730054	0	0
238393	Serpina3f	-0.310	0.725	0.229	0	1	0	0	1	0	NM_001033335	serine (or cysteine) peptidase inhibitor, clade A, member 3F (Serpina3f), mRNA.	Mme-M400002502	ILMN_2742861	1	0
20715	Serpina3g	0.435	0.546	0.247	0	1	0	0	0	0	NM_009251	serine (or cysteine) peptidase inhibitor, clade A, member 3G (Serpina3g), mRNA.	Mme-M200003360	ILMN_2725927	0	0
546546	Serpina3h	0.104	0.484	-0.008	0	1	0	0	0	0	NM_001034870	serine (or cysteine) peptidase inhibitor, clade A, member 3H (Serpina3h), mRNA.	Mme-M400007617	ILMN_2889832	0	0
20717	Serpina3m	-0.042	0.062	-0.083	0	0	0	0	0	0	NM_009253	serine (or cysteine) peptidase inhibitor, clade A, member 3M (Serpina3m), mRNA.	Mme-M400008840	ILMN_2728473	0	0
20716	Serpina3n	-0.061	0.262	-0.028	0	0	0	0	0	0	NM_009252	serine (or cysteine) peptidase inhibitor, clade A, member 3N (Serpina3n), mRNA.	Mme-M300002557	ILMN_1246800	0	0
321018	Serpina4-ps1	-0.386	-0.103	0.060	0	0	0	0	0	0	NR_002861	serine (or cysteine) peptidase inhibitor, clade A, member 4, pseudogene 1 (Serpina4-ps1) on chromosome 12.	Mme-M400002514	ILMN_2815450	0	0
268591	Serpina5	-0.004	-0.004	-0.080	0	0	0	0	0	0	NM_172953	serine (or cysteine) peptidase inhibitor, clade A, member 5 (Serpina5), mRNA.	Mme-M300013217	ILMN_1238098	0	0
12401	Serpina6	-0.446	-0.104	0.045	0	0	0	0	0	0	NM_007618	serine (or cysteine) peptidase inhibitor, clade A, member 6 (Serpina6), mRNA.	Mme-M200001093	ILMN_2921383	0	0
331535	Serpina7	-0.263	-0.042	0.018	0	0	0	0	0	0	NM_177920	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (Serpina7), mRN	Mme-M300007637	ILMN_1225985	0	0
71907	Serpina9	0.096	-0.062	0.004	0	0	0	0	0	0	NM_027997	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 9 (Serpina9), mRN	Mme-M400006263	ILMN_1219079	0	0
241197	Serpinb10	-0.081	-0.018	0.096	0	0	0	0	0	0	NM_198028	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 10 (Serpinb10), mRNA.	Mme-M400007305	ILMN_1240353	0	0
66957	Serpinb11	0.260	0.006	-0.027	0	0	0	0	0	0	NM_025867	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 11 (Serpinb11), mRNA.	Mme-M200003108	ILMN_2834563	0	0
71869	Serpinb12	-0.121	0.035	0.043	0	0	0	0	0	0	NM_027971	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12 (Serpinb12), mRNA.	Mme-M200014502	ILMN_3140610	0	0
241196	Serpinb13	-0.398	-0.009	-0.001	0	0	0	0	0	0	NM_172852	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 13 (Serpinb13), mRNA.	Mme-M300019554	ILMN_1256506	0	0
66222	Serpinb1a	-0.292	0.357	0.175	0	0	0	0	0	0	NM_025429	serine (or cysteine) peptidase inhibitor, clade B, member 1a (Serpinb1a), mRNA.	Mme-M400011483	ILMN_1231573	0	0
282663	Serpinb1b	0.166	0.065	-0.104	0	0	0	0	0	0	NM_173052	serine (or cysteine) peptidase inhibitor, clade B, member 1b (Serpinb1b), mRNA.	Mme-M200016107	ILMN_2642840	0	0
380839	Serpinb1c	-0.353	0.054	-0.033	0	0	0	0	0	0	NM_173051	serine (or cysteine) peptidase inhibitor, clade B, member 1c (Serpinb1c), mRNA.	Mme-M300002740	ILMN_1254229	0	0
18788	Serpinb2	0.030	0.126	-0.057	0	0	0	0	0	0	NM_011111	serine (or cysteine) peptidase inhibitor, clade B, member 2 (Serpinb2), mRNA.	Mme-M200002093	ILMN_1253874	0	0
20248	Serpinb3a	0.054	0.066	0.093	0	0	0	0	0	0	NM_009126	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 3A (Serpinb3a), mRNA.	Mme-M400002918	ILMN_2755702	0	0
383548	Serpinb3b	0.038	0.134	0.010	0	0	0	0	0	0	NM_198680	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 3B (Serpinb3b), mRNA.	Mme-M400008666	ILMN_2669321	0	0
381286	Serpinb3c	0.178	-0.089	-0.036	0	0	0	0	0	0	NM_201363	serine (or cysteine) peptidase inhibitor, clade B, member 3C (Serpinb3c), mRNA.	Mme-M300005050	ILMN_2769409	0	0
394252	Serpinb3d	0.008	-0.027	0.016	0	0	0	0	0	0	NM_201376	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 3D (Serpinb3d), mRNA.	Mme-M400006155	ILMN_1256750	0	0
20724	Serpinb5	0.003	-0.010	0.024	0	0	0	0	0	0	NM_009257	serine (or cysteine) peptidase inhibitor, clade B, member 5 (Serpinb5), mRNA.	Mme-M400010916	ILMN_2749909	0	0
20719	Serpinb6a	0.257	0.068	-0.149	0	0	0	0	0	0	NM_009254	serine (or cysteine) peptidase inhibitor, clade B, member 6a (Serpinb6a), mRNA.	Mme-M300001545	ILMN_1250279	0	0
20708	Serpinb6b	-0.283	0.110	0.195	0	0	0	0	0	0	NM_011454	serine (or cysteine) peptidase inhibitor, clade B, member 6b (Serpinb6b), mRNA.	Mme-M200007865	ILMN_2611755	0	0
97848	Serpinb6c	0.008	0.082	0.025	0	0	0	0	0	0	NM_148942	serine (or cysteine) peptidase inhibitor, clade B, member 6c (Serpinb6c), mRNA.	Mme-M200013145	ILMN_2627952	0	0
238568	Serpinb6d	-0.101	-0.209	-0.063	0	0	0	0	0	0	NM_001076790	predicted gene, OTTMUSG00000000712 (OTTMUSG00000000712), mRNA.	Mme-M400004028	ILMN_2960483	0	0
116872	Serpinb7	-0.114	0.011	-0.002	0	0	0	0	0	0	NM_027548	serine (or cysteine) peptidase inhibitor, clade B, member 7 (Serpinb7), mRNA.	Mme-M400011610	ILMN_1234915	0	0
20725	Serpinb8	-0.165	-0.120	-0.034	0	0	0	0	0	0	NM_011459	serine (or cysteine) peptdiase inhibitor, clade B, member 8 (Serpinb8), mRNA.	Mme-M200015628	ILMN_2829250	0	0
20723	Serpinb9	0.420	-0.041	-0.005	0	0	0	0	0	0	NM_009256	serine (or cysteine) peptidase inhibitor, clade B, member 9 (Serpinb9), mRNA.	Mme-M300016756	ILMN_2704557	0	0
20706	Serpinb9b	-0.266	0.088	0.057	0	0	0	0	0	0	NM_011452	serine (or cysteine) peptidase inhibitor, clade B, member 9b (Serpinb9b), mRNA.	Mme-M300002741	ILMN_2697632	0	0
20707	Serpinb9c	0.315	-0.087	0.057	0	0	0	0	0	0	NM_011453	serine (or cysteine) peptidase inhibitor, clade B, member 9c (Serpinb9c), mRNA.	Mme-M200012843	ILMN_2919325	0	0
20726	Serpinb9d	-0.362	-0.022	0.098	0	0	0	0	0	0	NM_011460	serine (or cysteine) peptidase inhibitor, clade B, member 9d (Serpinb9d), mRNA.	Mme-M400004755	ILMN_2919035	0	0
20710	Serpinb9e	0.116	0.036	0.079	0	0	0	0	0	0	NM_011456	serine (or cysteine) peptidase inhibitor, clade B, member 9e (Serpinb9e), mRNA.	Mme-M400007794	ILMN_3006459	0	0
20709	Serpinb9f	0.159	-0.020	-0.081	0	0	0	0	0	0	NM_183197	serine (or cysteine) peptidase inhibitor, clade B, member 9f (Serpinb9f), mRNA.	Mme-M400008880	ILMN_2493397	0	0
11905	Serpinc1	-0.021	-0.071	-0.059	0	0	0	0	0	0	NM_080844	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 (Serpinc1), mRNA.	Mme-M200006790	ILMN_2628681	0	0
15160	Serpind1	0.107	-0.251	0.075	0	0	0	0	0	0	NM_008223	serine (or cysteine) peptidase inhibitor, clade D, member 1 (Serpind1), mRNA.	Mme-M200002397	ILMN_2731446	0	0
18787	Serpine1	0.059	-0.044	-0.073	0	0	0	0	0	0	NM_008871	serine (or cysteine) peptidase inhibitor, clade E, member 1 (Serpine1), mRNA.	Mme-M400002006	ILMN_2758651	0	0
20720	Serpine2	0.222	0.266	0.086	0	0	0	0	0	0	NM_009255	serine (or cysteine) peptidase inhibitor, clade E, member 2 (Serpine2), mRNA.	Mme-M200001184	ILMN_2883164	0	0
319433	Serpine3	0.013	-0.047	-0.026	0	0	0	0	0	0	XM_893895	PREDICTED: RIKEN cDNA E130113E03 gene (E130113E03Rik), mRNA.	Mme-M300009747	ILMN_2505503	0	0
20317	Serpinf1	0.393	-0.119	-0.071	0	0	0	0	0	0	NM_011340	serine (or cysteine) peptidase inhibitor, clade F, member 1 (Serpinf1), mRNA.	Mme-M300000112	ILMN_2639239	0	0
18816	Serpinf2	-0.183	0.073	-0.094	0	0	0	0	0	0	NM_008878	serine (or cysteine) peptidase inhibitor, clade F, member 2 (Serpinf2), mRNA.	Mme-M200000338	ILMN_3001824	0	0
12258	Serping1	0.348	0.615	0.171	0	1	0	0	1	0	NM_009776	serine (or cysteine) peptidase inhibitor, clade G, member 1 (Serping1), mRNA.	Mme-M200008133	ILMN_2775421	1	0
12406	Serpinh1	0.248	0.123	0.118	0	0	0	0	0	0	NM_001111044	serine (or cysteine) peptidase inhibitor, clade H, member 1 (Serpinh1), transcript variant 3, mRNA.	Mme-M400010981	ILMN_2777359	0	0
20713	Serpini1	0.089	0.120	-0.157	0	0	0	0	0	0	NM_009250	serine (or cysteine) peptidase inhibitor, clade I, member 1 (Serpini1), mRNA.	Mme-M400001031	ILMN_3161679	0	0
67931	Serpini2	-0.053	0.026	0.070	0	0	0	0	0	0	NM_026460	serine (or cysteine) peptidase inhibitor, clade I, member 2 (Serpini2), mRNA.	Mme-M300009166	ILMN_2769554	0	0
55942	Sertad1	0.313	0.130	-0.021	0	0	0	0	0	0	NM_018820	SERTA domain containing 1 (Sertad1), mRNA.	Mme-M200009688	ILMN_2729162	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
58172	Sertad2	-0.018	-0.176	0.076	0	0	0	0	0	0	NM_001038625	SERTA domain containing 2 (Sertad2), transcript variant 2, mRNA.	Mme-M200008525	ILMN_2670886	0	0
170742	Sertad3	0.222	0.161	-0.188	0	0	0	0	0	0	NM_133210	SERTA domain containing 3 (Sertad3), mRNA.	Mme-M200012856	ILMN_1231396	0	0
214791	Sertad4	0.044	-0.099	0.099	0	0	0	0	0	0	NM_198247	SERTA domain containing 4 (Sertad4), mRNA.	Mme-M300001504	ILMN_2918656	0	0
329641	Sertm1	-0.002	0.088	0.025	0	0	0	0	0	0	NM_177854	RIKEN cDNA 6030405A18 gene (6030405A18Rik), mRNA.	Mme-M400005465	ILMN_2958067	0	0
140742	Sesn1	0.198	-0.137	-0.145	0	0	0	0	0	0	NM_001013370	sestrin 1 (Sesn1), mRNA.	Mme-M300011495	ILMN_2654074	0	0
230784	Sesn2	-0.375	-0.116	0.194	0	0	0	0	0	0	NM_144907	sestrin 2 (Sesn2), mRNA.	Mme-M200004655	ILMN_2948945	0	0
75747	Sesn3	0.063	-0.041	0.066	0	0	0	0	0	0	NM_030261	sestrin 3 (Sesn3), mRNA.	Mme-M200014111	ILMN_2622997	0	0
228071	Sestd1	-0.118	0.058	-0.041	0	0	0	0	0	0	NM_175465	SEC14 and spectrin domains 1 (Sestd1), mRNA.	Mme-M400002605	ILMN_2676770	0	0
56086	Set	0.181	-0.125	-0.053	0	0	0	0	0	0	NM_023871	SET translocation (Set), mRNA.	Mme-M400004935	ILMN_2665516	0	0
240427	Setbp1	0.222	-0.169	0.061	0	0	0	0	0	0	NM_053099	SET binding protein 1 (Setbp1), mRNA.	Mme-M300004201	ILMN_2448997	0	0
233904	Setd1a	0.289	0.201	-0.007	0	0	0	0	0	0	NM_178029	SET domain containing 1A (Setd1a), mRNA.	Mme-M200003037	ILMN_1247099	0	0
235626	Setd2	-0.123	-0.157	-0.095	0	0	0	0	0	0	NM_001081340	SET domain containing 2 (Setd2), mRNA.	Mme-M400010614	ILMN_2682936	0	0
52690	Setd3	0.090	-0.133	0.057	0	0	0	0	0	0	NM_028262	SET domain containing 3 (Setd3), mRNA.	Mme-M200012137	ILMN_1240860	0	0
224440	Setd4	0.055	0.037	0.077	0	0	0	0	0	0	NM_145482	SET domain containing 4 (Setd4), mRNA.	Mme-M200000354	ILMN_1242024	0	0
72895	Setd5	-0.011	0.047	-0.073	0	0	0	0	0	0	NM_028385	SET domain containing 5 (Setd5), mRNA.	Mme-M300009245	ILMN_2743650	0	0
66083	Setd6	0.348	-0.019	0.201	0	0	0	0	0	0	NM_001035123	SET domain containing 6 (Setd6), mRNA.	Mme-M200004949	ILMN_2983669	0	0
73251	Setd7	-0.182	-0.135	-0.033	0	0	0	0	0	0	NM_080793	SET domain containing (lysine methyltransferase) 7 (Setd7), mRNA.	Mme-M200012217	ILMN_1258450	0	0
67956	Setd8	-0.109	-0.201	0.125	0	0	0	0	0	0	NM_030241	SET domain containing (lysine methyltransferase) 8 (Setd8), mRNA.	Mme-M300020067	ILMN_2603825	0	0
84505	Setdb1	0.004	0.079	-0.001	0	0	0	0	0	0	NM_018877	SET domain, bifurcated 1 (Setdb1), mRNA.	Mme-M200012014	ILMN_2621319	0	0
239122	Setdb2	0.046	0.060	0.019	0	0	0	0	0	0	NM_001081024	SET domain, bifurcated 2 (Setdb2), mRNA.	Mme-M400008032	ILMN_3042783	0	0
74729	Setmar	-0.308	0.092	0.018	0	0	0	0	0	0	XM_982623	PREDICTED: SET domain and mariner transposase fusion gene (Setmar), mRNA.	Mme-M200014835	ILMN_1237671	0	0
269254	Setx	0.142	-0.096	0.078	0	0	0	0	0	0	NM_198033	senataxin (Setx), mRNA.	Mme-M300009985	ILMN_2706827	0	0
20370	Sez6	0.165	0.323	-0.069	0	0	0	0	0	0	NM_021286	seizure related gene 6 (Sez6), mRNA.	Mme-M200001918	ILMN_1224996	0	0
56747	Sez6l	0.217	0.088	-0.214	0	0	0	0	0	0	NM_019982	seizure related 6 homolog like (Sez6l), mRNA.	Mme-M200009453	ILMN_2805839	0	0
233878	Sez6l2	0.082	-0.180	-0.219	0	0	0	0	0	0	NM_144926	seizure related 6 homolog like 2 (Sez6l2), mRNA.	Mme-M200013049	ILMN_2811861	0	0
22668	Sf1	-0.054	0.242	-0.071	0	0	0	0	0	0	NM_011750	splicing factor 1 (Sf1), transcript variant 2, mRNA.	Mme-M300004388	ILMN_2449335	0	0
67465	Sf3a1	0.299	0.075	0.067	0	0	0	0	0	0	NM_026175	splicing factor 3a, subunit 1 (Sf3a1), mRNA.	Mme-M400011544	ILMN_2630730	0	0
20222	Sf3a2	0.122	0.113	0.065	0	0	0	0	0	0	NM_013651	splicing factor 3a, subunit 2 (Sf3a2), mRNA.	Mme-M300002063	ILMN_1223689	0	0
75062	Sf3a3	0.143	0.071	0.104	0	0	0	0	0	0	NM_029157	splicing factor 3a, subunit 3 (Sf3a3), mRNA.	Mme-M200005196	ILMN_2549077	0	0
81898	Sf3b1	0.169	-0.094	0.007	0	0	0	0	0	0	NM_031179	splicing factor 3b, subunit 1 (Sf3b1), mRNA.	Mme-M300004871	ILMN_1235259	0	0
319322	Sf3b2	0.125	0.155	-0.029	0	0	0	0	0	0	NM_030109	splicing factor 3b, subunit 2 (Sf3b2), mRNA.	Mme-M300004346	ILMN_1239645	0	0
101943	Sf3b3	0.363	0.377	-0.103	0	0	0	0	0	0	NM_133953	splicing factor 3b, subunit 3 (Sf3b3), mRNA.	Mme-M200008948	ILMN_1237140	0	0
107701	Sf3b4	0.181	0.225	0.100	0	0	0	0	0	0	NM_153053	splicing factor 3b, subunit 4 (Sf3b4), mRNA.	Mme-M400003070	ILMN_3127739	0	0
66125	Sf3b5	0.394	-0.089	-0.141	0	0	0	0	0	0	NM_175102	splicing factor 3b, subunit 5 (Sf3b5), mRNA.	Mme-M200006630	ILMN_2975956	0	0
78887	Sfi1	-0.088	0.088	0.236	0	0	0	0	0	0	NM_030207	Sfi1 homolog, spindle assembly associated (yeast) (Sfi1), mRNA.	Mme-M400007892	ILMN_1260218	0	0
54650	Sfmbt1	0.092	0.130	0.072	0	0	0	0	0	0	NM_019460	Scm-like with four mbt domains 1 (Sfmbt1), mRNA.	Mme-M300000823	ILMN_1255592	0	0
353282	Sfmbt2	0.030	-0.016	0.013	0	0	0	0	0	0	NM_177386	Scm-like with four mbt domains 2 (Sfmbt2), mRNA.	Mme-M400009152	ILMN_2569766	0	0
55948	Sfn	0.123	-0.101	0.109	0	0	0	0	0	0	NM_018754	stratifin (Sfn), mRNA.	Mme-M400003285	ILMN_2648169	0	0
71514	Sfpq	0.284	0.016	-0.042	0	0	0	0	0	0	NM_023603	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) (Sfpq), mRNA.	Mme-M200013986	ILMN_2706061	0	0
67788	Sfr1	0.091	0.100	0.108	0	0	0	0	0	0	NM_026377	RIKEN cDNA 6330577E15 gene (6330577E15Rik), mRNA.	Mme-M200012011	ILMN_2671366	0	0
20377	Sfrp1	0.107	0.243	0.086	0	0	0	0	0	0	NM_013834	secreted frizzled-related protein 1 (Sfrp1), mRNA.	Mme-M400013755	ILMN_1231689	0	0
20319	Sfrp2	1.247	0.147	0.055	1	0	0	1	0	0	NM_009144	secreted frizzled-related protein 2 (Sfrp2), mRNA.	Mme-M400010896	ILMN_1214602	1	0
20379	Sfrp4	0.497	-0.048	-0.050	0	0	0	0	0	0	NM_016687	secreted frizzled-related protein 4 (Sfrp4), mRNA.	Mme-M200013877	ILMN_1234879	0	0
54612	Sfrp5	-0.145	0.161	0.096	0	0	0	0	0	0	NM_018780	secreted frizzled-related sequence protein 5 (Sfrp5), mRNA.	Mme-M200008609	ILMN_1232779	0	0
231769	Sfswap	-0.187	0.005	-0.102	0	0	0	0	0	0	NM_172276	splicing factor, arginine/serine-rich 8 (Sfrs8), mRNA.	Mme-M300006680	ILMN_2671855	0	0
108735	Sft2d2	0.060	-0.277	-0.064	0	0	0	0	0	0	NM_145512	SFT2 domain containing 2 (Sft2d2), mRNA.	Mme-M300012897	ILMN_1260046	0	0
20387	Sftpa1	0.007	0.026	-0.011	0	0	0	0	0	0	NM_023134	surfactant associated protein A1 (Sftpa1), mRNA.	Mme-M300002953	ILMN_1222496	0	0
20388	Sftpb	-0.091	-0.052	0.090	0	0	0	0	0	0	NM_147779	surfactant associated protein B (Sftpb), mRNA.	Mme-M400005486	ILMN_2733762	0	0
20389	Sftpc	-0.013	-0.051	0.107	0	0	0	0	0	0	NM_011359	surfactant associated protein C (Sftpc), mRNA.	Mme-M200004767	ILMN_2638865	0	0
20390	Sftpd	0.433	-0.177	-0.047	0	0	0	0	0	0	NM_009160	surfactant associated protein D (Sftpd), mRNA.	Mme-M400000512	ILMN_1244169	0	0
14057	Sfxn1	0.057	-0.246	0.213	0	0	0	0	0	0	NM_027324	sideroflexin 1 (Sfxn1), mRNA.	Mme-M200003222	ILMN_1233606	0	0
94279	Sfxn2	-0.051	-0.146	0.090	0	0	0	0	0	0	NM_053196	sideroflexin 2 (Sfxn2), mRNA.	Mme-M200012789	ILMN_1213922	0	0
94280	Sfxn3	-0.039	0.240	-0.146	0	0	0	0	0	0	NM_053197	sideroflexin 3 (Sfxn3), mRNA.	Mme-M200007848	ILMN_2963704	0	0
94281	Sfxn4	-0.032	-0.124	-0.059	0	0	0	0	0	0	NM_053198	sideroflexin 4 (Sfxn4), mRNA.	Mme-M200014642	ILMN_1248840	0	0
94282	Sfxn5	-0.138	0.117	-0.041	0	0	0	0	0	0	NM_178639	sideroflexin 5 (Sfxn5), mRNA.	Mme-M300008904	ILMN_2632073	0	0
24051	Sgcb	0.031	0.139	0.036	0	0	0	0	0	0	NM_011890	sarcoglycan, beta (dystrophin-associated glycoprotein) (Sgcb), mRNA.	Mme-M400011177	ILMN_1255256	0	0
24052	Sgcd	-0.049	-0.051	-0.047	0	0	0	0	0	0	NM_011891	sarcoglycan, delta (dystrophin-associated glycoprotein) (Sgcd), mRNA.	Mme-M200004518	ILMN_2605539	0	0
20392	Sgce	0.145	0.009	-0.008	0	0	0	0	0	0	NM_011360	sarcoglycan, epsilon (Sgce), mRNA.	Mme-M400011130	ILMN_2648265	0	0
24053	Sgcg	0.469	0.363	-0.125	0	0	0	0	0	0	NM_011892	sarcoglycan, gamma (dystrophin-associated glycoprotein) (Sgcg), mRNA.	Mme-M200015325	ILMN_2657543	0	0
244431	Sgcz	-0.184	0.001	0.035	0	0	0	0	0	0	NM_145841	sarcoglycan zeta (Sgcz), mRNA.	Mme-M400002267	ILMN_1233549	0	0
73094	Sgip1	-0.273	0.131	-0.094	0	0	0	0	0	0	NM_144906	SH3-domain GRB2-like (endophilin) interacting protein 1 (Sgip1), mRNA.	Mme-M200014347	ILMN_2778789	0	0
20393	Sgk1	0.298	-0.251	-0.077	0	0	0	0	0	0	NM_011361	serum/glucocorticoid regulated kinase 1 (Sgk1), mRNA.	Mme-M300001921	ILMN_1213954	0	0
27219	Sgk2	0.146	-0.079	0.052	0	0	0	0	0	0	NM_013731	serum/glucocorticoid regulated kinase 2 (Sgk2), mRNA.	Mme-M200005275	ILMN_2827080	0	0
170755	Sgk3	0.173	-0.118	0.262	0	0	0	0	0	0	NM_001037759	serum/glucocorticoid regulated kinase 3 (Sgk3), transcript variant 3, mRNA.	Mme-M300004843	ILMN_1214762	0	0
208449	Sgms1	0.217	-0.259	-0.001	0	0	0	0	0	0	NM_144792	sphingomyelin synthase 1 (Sgms1), mRNA.	Mme-M200007843	ILMN_2480682	0	0
74442	Sgms2	-0.016	0.090	-0.071	0	0	0	0	0	0	NM_028943	sphingomyelin synthase 2 (Sgms2), mRNA.	Mme-M400003755	ILMN_1227663	0	0
72415	Sgol1	0.137	-0.061	0.071	0	0	0	0	0	0	NM_028232	shugoshin-like 1 (S. pombe) (Sgol1), mRNA.	Mme-M300003824	ILMN_2854962	0	0
68549	Sgol2a	0.067	-0.021	-0.086	0	0	0	0	0	0	NM_199007	shugoshin-like 2 (S. pombe) (Sgol2), mRNA.	Mme-M300004914	ILMN_2636110	0	0
244495	Sgol2b	0.066	0.012	-0.039	0	0	0	0	0	0	XM_146372	PREDICTED: predicted gene, EG244495 (EG244495), mRNA.	Mme-M400002071	ILMN_2533247	0	0
20397	Sgpl1	0.294	0.155	0.067	0	0	0	0	0	0	NM_009163	sphingosine phosphate lyase 1 (Sgpl1), mRNA.	Mme-M300002002	ILMN_2936380	0	0
81535	Sgpp1	0.049	-0.057	-0.024	0	0	0	0	0	0	NM_030750	sphingosine-1-phosphate phosphatase 1 (Sgpp1), mRNA.	Mme-M200015231	ILMN_2877165	0	0
433323	Sgpp2	-0.296	-0.124	-0.163	0	0	0	0	0	0	NM_001004173	sphingosine-1-phosphate phosphotase 2 (Sgpp2), mRNA.	Mme-M300008504	ILMN_3023610	0	0
27029	Sgsh	0.012	-0.009	0.050	0	0	0	0	0	0	NM_018822	N-sulfoglucosamine sulfohydrolase (sulfamidase) (Sgsh), mRNA.	Mme-M200008643	ILMN_1237280	0	0
52850	Sgsm1	0.266	0.340	-0.072	0	0	0	0	0	0	NM_172718	small G protein signaling modulator 1 (Sgsm1), mRNA.	Mme-M300013570	ILMN_2692078	0	0
97761	Sgsm2	0.190	0.280	0.174	0	0	0	0	0	0	NM_197943	small G protein signaling modulator 2 (Sgsm2), mRNA.	Mme-M300011512	ILMN_2754233	0	0
105835	Sgsm3	0.078	-0.030	-0.025	0	0	0	0	0	0	NM_134091	small G protein signaling modulator 3 (Sgsm3), mRNA.	Mme-M200006746	ILMN_2987294	0	0
52551	Sgta	0.146	0.165	-0.062	0	0	0	0	0	0	NM_024499	small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha (Sgta), mRNA.	Mme-M200006817	ILMN_1242694	0	0
218544	Sgtb	0.136	0.077	0.249	0	0	0	0	0	0	NM_144838	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta (Sgtb), mRNA.	Mme-M200014096	ILMN_1219768	0	0
20399	Sh2b1	0.078	0.075	-0.084	0	0	0	0	0	0	NM_001081459	SH2B adaptor protein 1 (Sh2b1), transcript variant 1, mRNA.	Mme-M200002717	ILMN_3139354	0	0
23921	Sh2b2	-0.101	0.012	-0.023	0	0	0	0	0	0	NM_018825	SH2B adaptor protein 2 (Sh2b2), mRNA.	Mme-M200008646	ILMN_2763206	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
16923	Sh2b3	-0.127	-0.209	-0.091	0	0	0	0	0	0	NM_008507	SH2B adaptor protein 3 (Sh2b3), mRNA.	Mme-M200012974	ILMN_2605917	0	0
20400	Sh2d1a	0.080	0.314	0.087	0	0	0	0	0	0	NM_011364	SH2 domain protein 1A (Sh2d1a), mRNA.	Mme-M200003978	ILMN_2725464	0	0
27371	Sh2d2a	-0.373	0.284	0.210	0	0	0	0	0	0	NM_001025571	SH2 domain protein 2A (Sh2d2a), transcript variant 2, mRNA.	Mme-M200015713	ILMN_1228404	0	0
27387	Sh2d3c	-0.164	0.007	-0.047	0	0	0	0	0	0	NM_013781	SH2 domain containing 3C (Sh2d3c), mRNA.	Mme-M200002806	ILMN_2668344	0	0
328381	Sh2d4b	-0.230	0.018	-0.036	0	0	0	0	0	0	NM_177816	SH2 domain containing 4B (Sh2d4b), mRNA.	Mme-M300011159	ILMN_2669114	0	0
230863	Sh2d5	-0.046	0.046	0.090	0	0	0	0	0	0	NM_001099631	SH2 domain containing 5 (Sh2d5), mRNA.	Mme-M300016311	ILMN_2697719	0	0
71130	Sh2d6	-0.188	0.111	0.087	0	0	0	0	0	0	XM_355785	PREDICTED: SH2 domain containing 6, transcript variant 1 (Sh2d6), mRNA.	Mme-M400004195	ILMN_1239727	0	0
244885	Sh2d7	-0.067	-0.053	-0.088	0	0	0	0	0	0	NM_173778	RIKEN cDNA 4933412E14 gene (4933412E14Rik), mRNA.	Mme-M300017365	ILMN_2680238	0	0
50795	Sh3bgr	0.339	0.146	-0.156	0	0	0	0	0	0	NM_015825	SH3-binding domain glutamic acid-rich protein (Sh3bgr), mRNA.	Mme-M200006103	ILMN_2679127	0	0
56726	Sh3bgrl	0.243	0.069	0.111	0	0	0	0	0	0	NM_019989	SH3-binding domain glutamic acid-rich protein like (Sh3bgrl), mRNA.	Mme-M200004130	ILMN_2636212	0	0
212531	Sh3bgrl2	-0.332	-0.210	-0.034	0	0	0	0	0	0	NM_172507	SH3 domain binding glutamic acid-rich protein like 2 (Sh3bgrl2), mRNA.	Mme-M400001445	ILMN_2622801	0	0
73723	Sh3bgrl3	-0.079	0.136	0.004	0	0	0	0	0	0	NM_080559	SH3 domain binding glutamic acid-rich protein-like 3 (Sh3bgrl3), mRNA.	Mme-M200004332	ILMN_2625351	0	0
24055	Sh3bp2	-0.488	0.267	0.190	0	0	0	0	0	0	NM_011893	SH3-domain binding protein 2 (Sh3bp2), mRNA.	Mme-M200002090	ILMN_1255766	0	0
98402	Sh3bp4	-0.373	-0.060	0.004	0	0	0	0	0	0	NM_133816	SH3-domain binding protein 4 (Sh3bp4), mRNA.	Mme-M300010280	ILMN_2630092	0	0
24056	Sh3bp5	-0.079	0.039	-0.065	0	0	0	0	0	0	NM_011894	SH3-domain binding protein 5 (BTK-associated) (Sh3bp5), mRNA.	Mme-M300002987	ILMN_1245950	0	0
79566	Sh3bp5l	-0.031	-0.034	0.086	0	0	0	0	0	0	NM_024480	SH3 binding domain protein 5 like (Sh3bp5l), mRNA.	Mme-M200006562	ILMN_2734789	0	0
27059	Sh3d19	-0.092	-0.110	-0.066	0	0	0	0	0	0	NM_001082414	SH3 domain protein D19 (Sh3d19), mRNA.	Mme-M200000930	ILMN_1228950	0	0
66938	Sh3d21	-0.369	-0.372	-0.034	0	0	0	0	0	0	NM_025856	RIKEN cDNA 1700029G01 gene (1700029G01Rik), mRNA.	Mme-M300015015	ILMN_1250435	0	0
20405	Sh3gl1	0.029	-0.019	-0.026	0	0	0	0	0	0	NM_013664	SH3-domain GRB2-like 1 (Sh3gl1), mRNA.	Mme-M200000692	ILMN_1243908	0	0
20404	Sh3gl2	-0.344	0.124	-0.042	0	0	0	0	0	0	NM_019535	SH3-domain GRB2-like 2 (Sh3gl2), mRNA.	Mme-M200009435	ILMN_1251416	0	0
20408	Sh3gl3	-0.194	-0.063	0.044	0	0	0	0	0	0	NM_017400	SH3-domain GRB2-like 3 (Sh3gl3), mRNA.	Mme-M300007341	ILMN_1256133	0	0
54673	Sh3glb1	0.227	-0.086	0.288	0	0	0	0	0	0	NM_019464	SH3-domain GRB2-like B1 (endophilin) (Sh3glb1), mRNA.	Mme-M300010714	ILMN_1250213	0	0
227700	Sh3glb2	-0.176	0.000	0.000	0	0	0	0	0	0	NM_139302	SH3-domain GRB2-like endophilin B2 (Sh3glb2), mRNA.	Mme-M300005355	ILMN_2635240	0	0
14218	Sh3pxd2a	-0.205	0.036	0.060	0	0	0	0	0	0	NM_008018	SH3 and PX domains 2A (Sh3pxd2a), mRNA.	Mme-M200003904	ILMN_1227918	0	0
268396	Sh3pxd2b	-0.120	0.032	0.124	0	0	0	0	0	0	NM_177364	SH3 and PX domains 2B (Sh3pxd2b), mRNA.	Mme-M300012808	ILMN_1230423	0	0
59009	Sh3rf1	0.142	-0.070	-0.095	0	0	0	0	0	0	NM_021506	SH3 domain containing ring finger 1 (Sh3rf1), mRNA.	Mme-M200005767	ILMN_2627254	0	0
269016	Sh3rf2	0.039	0.187	-0.090	0	0	0	0	0	0	NM_172966	SH3 domain containing ring finger 2 (Sh3rf2), mRNA.	Mme-M300013919	ILMN_2942551	0	0
237353	Sh3rf3	-0.134	0.127	-0.066	0	0	0	0	0	0	NM_172788	SH3 multiple domains 4 (Sh3md4), mRNA.	Mme-M300011262	ILMN_2686733	0	0
231147	Sh3tc1	0.188	-0.018	-0.094	0	0	0	0	0	0	NM_194344	SH3 domain and tetratricopeptide repeats 1 (Sh3tc1), mRNA.	Mme-M300010432	ILMN_2847906	0	0
225608	Sh3tc2	0.058	-0.082	-0.130	0	0	0	0	0	0	NM_172628	SH3 domain and tetratricopeptide repeats 2 (Sh3tc2), mRNA.	Mme-M300016566	ILMN_1240728	0	0
24057	Sh3yl1	-0.268	-0.166	-0.079	0	0	0	0	0	0	NM_013709	Sh3 domain YSC-like 1 (Sh3yl1), mRNA.	Mme-M200013491	ILMN_1237964	0	0
243961	Shank1	-0.285	-0.042	0.030	0	0	0	0	0	0	XM_001474925	PREDICTED: SH3/ankyrin domain gene 1, transcript variant 2 (Shank1), mRNA.	Mme-M400002185	ILMN_1250059	0	0
210274	Shank2	0.351	0.083	-0.002	0	0	0	0	0	0	NM_001081370	SH3/ankyrin domain gene 2 (Shank2), transcript variant 1, mRNA.	Mme-M300010988	ILMN_2618088	0	0
58234	Shank3	0.075	0.074	-0.140	0	0	0	0	0	0	NM_021423	SH3/ankyrin domain gene 3 (Shank3), mRNA.	Mme-M400010050	ILMN_3163115	0	0
106025	Sharpin	-0.371	-0.056	-0.017	0	0	0	0	0	0	NM_025340	SHANK-associated RH domain interacting protein (Sharpin), mRNA.	Mme-M200013608	ILMN_1254001	0	0
230126	Shb	0.268	-0.061	-0.034	0	0	0	0	0	0	XM_001474892	PREDICTED: src homology 2 domain-containing transforming protein B (Shb), mRNA.	Mme-M300015805	ILMN_1216600	0	0
20415	Shbg	-0.387	0.090	0.038	0	0	0	0	0	0	NM_011367	sex hormone binding globulin (Shbg), mRNA.	Mme-M200000587	ILMN_1227933	0	0
20416	Shc1	0.190	-0.103	-0.104	0	0	0	0	0	0	NM_011368	src homology 2 domain-containing transforming protein C1 (Shc1), transcript variant 2, mRNA.	Mme-M300013796	ILMN_2716426	0	0
20418	Shc3	-0.147	0.086	-0.079	0	0	0	0	0	0	NM_009167	src homology 2 domain-containing transforming protein C3 (Shc3), mRNA.	Mme-M200001964	ILMN_2753272	0	0
271849	Shc4	-0.240	-0.072	0.107	0	0	0	0	0	0	NM_199022	SHC (Src homology 2 domain containing) family, member 4 (Shc4), mRNA.	Mme-M300009697	ILMN_2762185	0	0
20419	Shcbp1	0.143	0.099	-0.046	0	0	0	0	0	0	NM_011369	Shc SH2-domain binding protein 1 (Shcbp1), mRNA.	Mme-M200007977	ILMN_3004376	0	0
71836	Shcbp1l	0.174	0.046	-0.075	0	0	0	0	0	0	NM_001033162	RIKEN cDNA 1700012A16 gene (1700012A16Rik), mRNA.	Mme-M300013844	ILMN_1218141	0	0
20420	Shd	0.120	-0.065	-0.085	0	0	0	0	0	0	NM_009168	src homology 2 domain-containing transforming protein D (Shd), mRNA.	Mme-M200003996	ILMN_2858666	0	0
214547	She	0.109	-0.146	0.052	0	0	0	0	0	0	NM_172530	src homology 2 domain-containing transforming protein E (She), mRNA.	Mme-M300017194	ILMN_2757019	0	0
435684	Shf	0.099	-0.278	-0.278	0	0	0	0	0	0	NM_001013829	Src homology 2 domain containing F (Shf), mRNA.	Mme-M300008664	ILMN_3029727	0	0
20422	Shfm1	0.119	-0.009	0.087	0	0	0	0	0	0	NM_009169	split hand/foot malformation (ectrodactyly) type 1 (Shfm1), mRNA.	Mme-M300013750	ILMN_1239370	0	0
20423	Shh	-0.149	-0.158	-0.056	0	0	0	0	0	0	NM_009170	sonic hedgehog (Shh), mRNA.	Mme-M200014967	ILMN_2610013	0	0
219134	Shisa2	0.394	0.070	0.102	0	0	0	0	0	0	NM_145463	shisa homolog 2 (Xenopus laevis) (Shisa2), mRNA.	Mme-M300015481	ILMN_1246285	0	0
330096	Shisa3	-0.007	0.124	0.004	0	0	0	0	0	0	NM_001033415	shisa homolog 3 (Xenopus laevis) (Shisa3), mRNA.	Mme-M300020719	ILMN_3161253	0	0
77552	Shisa4	-0.076	-0.113	0.010	0	0	0	0	0	0	NM_175259	shisa homolog 4 (Xenopus laevis) (Shisa4), mRNA.	Mme-M300013417	ILMN_2775402	0	0
380702	Shisa6	-0.122	-0.084	-0.070	0	0	0	0	0	0	NM_001034874	gene model 879, (NCBI) (Gm879), mRNA.	Mme-M400004647	ILMN_1237848	0	0
232813	Shisa7	0.004	-0.037	0.101	0	0	0	0	0	0	NM_172737	RIKEN cDNA D430041B17 gene (D430041B17Rik), mRNA.	Mme-M400004508	ILMN_2606540	0	0
192192	Shkbp1	0.083	0.130	0.179	0	0	0	0	0	0	NM_138676	Sh3kbp1 binding protein 1 (Shkbp1), mRNA.	Mme-M400000079	ILMN_2734334	0	0
20425	Shmt1	-0.067	0.013	-0.008	0	0	0	0	0	0	NM_009171	serine hydroxymethyltransferase 1 (soluble) (Shmt1), mRNA.	Mme-M400010903	ILMN_2726055	0	0
108037	Shmt2	0.056	0.113	0.132	0	0	0	0	0	0	NM_028230	serine hydroxymethyltransferase 2 (mitochondrial) (Shmt2), nuclear gene encoding mitochondrial protein, mRN	Mme-M200006712	ILMN_2702703	0	0
56392	Shoc2	0.181	0.016	-0.089	0	0	0	0	0	0	NM_019658	soc-2 (suppressor of clear) homolog (C. elegans) (Shoc2), mRNA.	Mme-M400000787	ILMN_2631446	0	0
20429	Shox2	-0.219	-0.348	0.245	0	0	0	0	0	0	NM_013665	short stature homeobox 2 (Shox2), mRNA.	Mme-M200008167	ILMN_2647121	0	0
74637	Shpk	-0.142	-0.001	0.121	0	0	0	0	0	0	NM_029031	sedoheptulokinase (Shpk), mRNA.	Mme-M200012967	ILMN_2596776	0	0
268281	Shprh	-0.073	-0.073	-0.075	0	0	0	0	0	0	NM_172937	SNF2 histone linker PHD RING helicase (Shprh), transcript variant 2, mRNA.	Mme-M300020941	ILMN_3093817	0	0
72171	Shq1	-0.104	-0.046	-0.076	0	0	0	0	0	0	NM_181590	SHQ1 homolog (S. cerevisiae) (Shq1), mRNA.	Mme-M300009888	ILMN_2734452	0	0
71774	Shroom1	-0.260	-0.212	0.024	0	0	0	0	0	0	NM_027917	shroom family member 1 (Shroom1), mRNA.	Mme-M300001668	ILMN_2632839	0	0
110380	Shroom2	0.006	-0.095	0.070	0	0	0	0	0	0	NM_172441	shroom family member 2 (Shroom2), mRNA.	Mme-M300016154	ILMN_2941062	0	0
27428	Shroom3	-0.004	0.006	-0.080	0	0	0	0	0	0	NM_001077595	shroom family member 3 (Shroom3), transcript variant 2, mRNA.	Mme-M300006652	ILMN_3085841	0	0
20437	Siah1a	0.084	-0.236	0.051	0	0	0	0	0	0	NM_009172	seven in absentia 1A (Siah1a), mRNA.	Mme-M200002423	ILMN_2768831	0	0
20438	Siah1b	-0.219	-0.177	-0.137	0	0	0	0	0	0	NM_009173	seven in absentia 1B (Siah1b), mRNA.	Mme-M200007918	ILMN_2618014	0	0
20439	Siah2	0.187	-0.270	-0.099	0	0	0	0	0	0	NM_009174	seven in absentia 2 (Siah2), mRNA.	Mme-M400001030	ILMN_1226332	0	0
320007	Sidt1	0.251	-0.024	0.168	0	0	0	0	0	0	NM_198034	SID1 transmembrane family, member 1 (Sidt1), mRNA.	Mme-M400012578	ILMN_1248211	0	0
214597	Sidt2	0.130	0.196	-0.095	0	0	0	0	0	0	NM_172257	SID1 transmembrane family, member 2 (Sidt2), mRNA.	Mme-M200005570	ILMN_2838871	0	0
24058	Sigirr	-0.285	0.099	0.000	0	0	0	0	0	0	NM_023059	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain (Sigirr), mRNA.	Mme-M300004661	ILMN_2673121	0	0
83382	Siglece	0.050	0.173	-0.039	0	0	0	0	0	0	NM_031181	sialic acid binding Ig-like lectin E (Siglece), mRNA.	Mme-M200009948	ILMN_2599192	0	0
233186	Siglecf	0.027	0.063	0.064	0	0	0	0	0	0	NM_145581	sialic acid binding Ig-like lectin 5 (Siglec5), mRNA.	Mme-M200007726	ILMN_2675309	0	0
243958	Siglecg	-0.125	0.159	0.050	0	0	0	0	0	0	NM_172900	sialic acid binding Ig-like lectin G (Siglecg), mRNA.	Mme-M300007254	ILMN_2648454	0	0
233274	Siglech	-0.297	0.145	0.081	0	0	0	0	0	0	NM_178706	sialic acid binding Ig-like lectin H (Siglech), mRNA.	Mme-M400003834	ILMN_2656415	0	0
18391	Sigmar1	0.030	-0.172	-0.172	0	0	0	0	0	0	NM_011014	opioid receptor, sigma 1 (Oprs1), mRNA.	Mme-M200004499	ILMN_2677170	0	0
17691	Sik1	-0.121	0.010	-0.095	0	0	0	0	0	0	NM_010831	SNF1-like kinase (Snf1lk), mRNA.	Mme-M400000711	ILMN_1239463	0	0
235344	Sik2	0.012	-0.092	-0.133	0	0	0	0	0	0	NM_178710	SNF1-like kinase 2 (Snf1lk2), mRNA.	Mme-M300010743	ILMN_2615232	0	0
66641	Sike1	-0.081	-0.076	-0.056	0	0	0	0	0	0	NM_025679	RIKEN cDNA 5730470L24 gene (5730470L24Rik), mRNA.	Mme-M200008245	ILMN_2670897	0	0
81500	Sil1	0.082	0.016	-0.118	0	0	0	0	0	0	NM_030749	endoplasmic reticulum chaperone SIL1 homolog (S. cerevisiae) (Sil1), mRNA.	Mme-M200005903	ILMN_2720930	0	0
20464	Sim1	0.128	0.053	0.025	0	0	0	0	0	0	NM_011376	single-minded homolog 1 (Drosophila) (Sim1), mRNA.	Mme-M300001892	ILMN_1237780	0	0
20465	Sim2	0.242	0.170	-0.038	0	0	0	0	0	0	NM_011377	single-minded homolog 2 (Drosophila) (Sim2), mRNA.	Mme-M300012154	ILMN_2645872	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
319719	Simc1	-0.141	-0.026	0.075	0	0	0	0	0	0	NM_176987	RIKEN cDNA 4732471D19 gene (4732471D19Rik), mRNA.	Mme-M400002709	ILMN_2599392	0	0
20466	Sin3a	-0.176	-0.014	0.078	0	0	0	0	0	0	NM_001110351	transcriptional regulator, SIN3A (yeast) (Sin3a), transcript variant 3, mRNA.	Mme-M200003396	ILMN_2612143	0	0
20467	Sin3b	0.151	-0.075	0.082	0	0	0	0	0	0	NM_009188	transcriptional regulator, SIN3B (yeast) (Sin3b), transcript variant 1, mRNA.	Mme-M300007824	ILMN_2749818	0	0
20469	Sipa1	0.051	-0.112	0.091	0	0	0	0	0	0	NM_011379	signal-induced proliferation associated gene 1 (Sipa1), mRNA.	Mme-M200001174	ILMN_1221660	0	0
217692	Sipa1l1	0.180	0.087	0.030	0	0	0	0	0	0	NM_172579	signal-induced proliferation-associated 1 like 1 (Sipa1l1), mRNA.	Mme-M300013840	ILMN_2763679	0	0
244668	Sipa1l2	-0.032	0.280	0.002	0	0	0	0	0	0	NM_001081337	signal-induced proliferation-associated 1 like 2 (Sipa1l2), mRNA.	Mme-M300000257	ILMN_2766592	0	0
74206	Sipa1l3	0.111	-0.088	-0.024	0	0	0	0	0	0	NM_001081028	signal-induced proliferation-associated 1 like 3 (Sipa1l3), mRNA.	Mme-M200004625	ILMN_2625099	0	0
19261	Sirpa	0.254	0.150	0.145	0	0	0	0	0	0	NM_007547	signal-regulatory protein alpha (Sirpa), mRNA.	Mme-M300011209	ILMN_2744683	0	0
320832	Sirpb1a	-0.196	0.415	0.053	0	0	0	0	0	0	NM_001002898	signal-regulatory protein beta 1 (Sirpb1), transcript variant 3, mRNA.	Mme-M300015179	ILMN_3154691	0	0
93759	Sirt1	-0.096	-0.003	0.027	0	0	0	0	0	0	NM_019812	sirtuin 1 (silent mating type information regulation 2, homolog) 1 (S. cerevisiae) (Sirt1), mRNA.	Mme-M200003104	ILMN_2643159	0	0
75387	Sirt4	0.092	-0.197	0.147	0	0	0	0	0	0	XM_988059	PREDICTED: sirtuin 4 (silent mating type information regulation 2 homolog) 4 (S. cerevisiae) (Sirt4), mRNA.	Mme-M200008673	ILMN_1259494	0	0
68346	Sirt5	0.266	0.043	-0.081	0	0	0	0	0	0	NM_178848	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) (Sirt5), mRNA.	Mme-M300011625	ILMN_2711045	0	0
50721	Sirt6	0.127	0.152	0.084	0	0	0	0	0	0	NM_181586	sirtuin 6 (silent mating type information regulation 2, homolog) 6 (S. cerevisiae) (Sirt6), mRNA.	Mme-M300009517	ILMN_2671176	0	0
209011	Sirt7	0.146	-0.052	0.057	0	0	0	0	0	0	NM_153056	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (S. cerevisiae) (Sirt7), mRNA.	Mme-M400000800	ILMN_1253970	0	0
69983	Sis	0.060	-0.118	0.107	0	0	0	0	0	0	NM_001081137	RIKEN cDNA 2010204N08 gene (2010204N08Rik), mRNA.	Mme-M300005781	ILMN_2746320	0	0
54390	Sit1	-0.012	0.225	0.062	0	0	0	0	0	0	NM_019436	suppression inducing transmembrane adaptor 1 (Sit1), mRNA.	Mme-M200007145	ILMN_2890954	0	0
30954	Siva1	0.520	-0.091	-0.014	0	0	0	0	0	0	NM_013929	SIVA1, apoptosis-inducing factor (Siva1), mRNA.	Mme-M300002683	ILMN_2699003	0	0
20471	Six1	0.054	-0.062	0.152	0	0	0	0	0	0	NM_009189	sine oculis-related homeobox 1 homolog (Drosophila) (Six1), mRNA.	Mme-M300022015	ILMN_2904117	0	0
20472	Six2	0.326	0.002	0.012	0	0	0	0	0	0	NM_011380	sine oculis-related homeobox 2 homolog (Drosophila) (Six2), mRNA.	Mme-M300003933	ILMN_2742627	0	0
20473	Six3	0.025	-0.010	-0.041	0	0	0	0	0	0	NM_011381	sine oculis-related homeobox 3 homolog (Drosophila) (Six3), mRNA.	Mme-M300011778	ILMN_2983735	0	0
100043902	Six3os1	-0.388	0.018	-0.048	0	0	0	0	0	0	NR_015387	Six3 opposite strand transcript 1 (Six3os1) on chromosome 17.	Mme-M400005484	ILMN_2734383	0	0
20474	Six4	-0.328	-0.078	0.009	0	0	0	0	0	0	NM_011382	sine oculis-related homeobox 4 homolog (Drosophila) (Six4), mRNA.	Mme-M300009365	ILMN_1219845	0	0
20475	Six5	0.301	-0.117	-0.098	0	0	0	0	0	0	NM_011383	sine oculis-related homeobox 5 homolog (Drosophila) (Six5), mRNA.	Mme-M200001320	ILMN_2995454	0	0
20476	Six6	-0.207	-0.014	0.042	0	0	0	0	0	0	NM_011384	sine oculis-related homeobox 6 homolog (Drosophila) (Six6), mRNA.	Mme-M200014939	ILMN_2594461	0	0
66468	Ska1	-0.250	0.053	-0.059	0	0	0	0	0	0	NM_025581	RIKEN cDNA 2810433K01 gene (2810433K01Rik), mRNA.	Mme-M200005138	ILMN_3004797	0	0
66140	Ska2	0.013	0.037	0.053	0	0	0	0	0	0	NM_025377	RIKEN cDNA 1110001A07 gene (1110001A07Rik), mRNA.	Mme-M200005078	ILMN_2789047	0	0
219114	Ska3	0.018	-0.004	0.067	0	0	0	0	0	0	NM_198605	RIKEN cDNA F630043A04 gene (F630043A04Rik), mRNA.	Mme-M300003032	ILMN_2865912	0	0
78473	Skap1	0.191	0.183	0.152	0	0	0	0	0	0	NM_001033186	src family associated phosphoprotein 1 (Skap1), mRNA.	Mme-M300011686	ILMN_1224032	0	0
54353	Skap2	0.042	0.129	0.237	0	0	0	0	0	0	NM_018773	src family associated phosphoprotein 2 (Skap2), mRNA.	Mme-M400006687	ILMN_2936671	0	0
20481	Ski	0.141	0.053	0.091	0	0	0	0	0	0	NM_011385	ski sarcoma viral oncogene homolog (avian) (Ski), mRNA.	Mme-M400013207	ILMN_2718435	0	0
72668	Skida1	0.008	0.100	-0.011	0	0	0	0	0	0	NM_028317	RIKEN cDNA 2810030E01 gene (2810030E01Rik), mRNA.	Mme-M400004696	ILMN_2896979	0	0
20482	Skil	0.169	0.096	-0.079	0	0	0	0	0	0	NM_001039090	SKI-like (Skil), transcript variant 2, mRNA.	Mme-M400013647	ILMN_3126697	0	0
639781	Skint1	-0.085	0.044	-0.061	0	0	0	0	0	0	NM_001102662	skint 1 (Skint1), mRNA.	Mme-M400003302	ILMN_1218882	0	0
230613	Skint10	0.017	-0.007	-0.109	0	0	0	0	0	0	NM_177668	RIKEN cDNA A030001H23 gene (A030001H23Rik), mRNA.	Mme-M300019539	ILMN_2664619	0	0
230623	Skint11	0.019	-0.009	-0.040	0	0	0	0	0	0	NM_177669	RIKEN cDNA A630098G03 gene (A630098G03Rik), mRNA.	Mme-M400006141	ILMN_2763039	0	0
329919	Skint2	-0.003	-0.020	0.025	0	0	0	0	0	0	NM_177865	predicted gene, OTTMUSG00000008540 (OTTMUSG00000008540), mRNA.	Mme-M300009311	ILMN_2793138	0	0
195564	Skint3	-0.792	-0.048	0.076	-1	0	0	0	0	0	NM_177578	RIKEN cDNA A430090E18 gene (A430090E18Rik), transcript variant 2, mRNA.	Mme-M300009317	ILMN_1250350	0	0
320640	Skint4	0.002	0.027	0.040	0	0	0	0	0	0	NM_178786	RIKEN cDNA 9530098N22 gene (9530098N22Rik), mRNA.	Mme-M400005360	ILMN_1238115	0	0
230622	Skint6	-0.273	0.015	0.066	0	0	0	0	0	0	NM_001103200	skint 6 (Skint6), transcript variant 2, mRNA.	Mme-M400002739	ILMN_2529497	0	0
328505	Skint7	-0.361	-0.037	0.243	0	0	0	0	0	0	NM_177818	RIKEN cDNA C130057D23 gene (C130057D23Rik), mRNA.	Mme-M400003515	ILMN_2972419	0	0
329918	Skint9	0.075	0.068	-0.051	0	0	0	0	0	0	NM_177864	RIKEN cDNA A030013N09 gene (A030013N09Rik), mRNA.	Mme-M400003627	ILMN_2979289	0	0
108077	Skiv2l	0.043	-0.184	0.063	0	0	0	0	0	0	NM_021337	superkiller viralicidic activity 2-like (S. cerevisiae) (Skiv2l), mRNA.	Mme-M200003695	ILMN_1215606	0	0
72198	Skiv2l2	0.297	-0.051	-0.075	0	0	0	0	0	0	NM_028151	superkiller viralicidic activity 2-like 2 (S. cerevisiae) (Skiv2l2), mRNA.	Mme-M200009322	ILMN_1218617	0	0
207667	Skor1	-0.055	0.008	-0.049	0	0	0	0	0	0	NM_172446	ladybird homeobox 1 homolog (Drosophila) corepressor 1 (Lbxcor1), mRNA.	Mme-M300015569	ILMN_1252868	0	0
21402	Skp1a	0.047	0.096	0.098	0	0	0	0	0	0	NM_011543	S-phase kinase-associated protein 1A (Skp1a), mRNA.	Mme-M300010327	ILMN_2733888	0	0
27401	Skp2	-0.187	0.069	-0.064	0	0	0	0	0	0	NM_013787	S-phase kinase-associated protein 2 (p45) (Skp2), transcript variant 1, mRNA.	Mme-M400011224	ILMN_2633697	0	0
20491	Sla	-0.021	0.416	0.310	0	0	1	0	0	0	NM_009192	src-like adaptor (Sla), transcript variant 2, mRNA.	Mme-M200002576	ILMN_3118707	0	0
77799	Sla2	-0.304	0.120	0.061	0	0	0	0	0	0	NM_029983	Src-like-adaptor 2 (Sla2), mRNA.	Mme-M200007160	ILMN_1236595	0	0
105439	Slain1	0.011	-0.149	0.105	0	0	0	0	0	0	NM_198014	SLAIN motif family, member 1 (Slain1), mRNA.	Mme-M400005272	ILMN_2751572	0	0
75991	Slain2	-0.049	-0.301	0.110	0	0	0	0	0	0	NM_001113423	SLAIN motif family, member 2 (Slain2), transcript variant 2, mRNA.	Mme-M300010230	ILMN_2686270	0	0
27218	Slamf1	0.186	0.279	0.129	0	0	0	0	0	0	NM_013730	signaling lymphocytic activation molecule family member 1 (Slamf1), mRNA.	Mme-M300001398	ILMN_2721571	0	0
30925	Slamf6	0.178	0.024	0.040	0	0	0	0	0	0	NM_030710	SLAM family member 6 (Slamf6), mRNA.	Mme-M200015529	ILMN_2740678	0	0
75345	Slamf7	0.155	0.283	0.222	0	0	0	0	0	0	NM_144539	SLAM family member 7 (Slamf7), mRNA.	Mme-M200011762	ILMN_2638491	0	0
74748	Slamf8	0.355	0.473	0.293	0	1	0	0	0	0	NM_029084	SLAM family member 8 (Slamf8), mRNA.	Mme-M400004426	ILMN_2598622	0	0
98365	Slamf9	-0.241	0.467	0.183	0	1	0	0	0	0	NM_029612	SLAM family member 9 (Slamf9), mRNA.	Mme-M200007235	ILMN_2663249	0	0
20492	Slbp	0.210	-0.018	-0.008	0	0	0	0	0	0	NM_009193	stem-loop binding protein (Slbp), mRNA.	Mme-M300000586	ILMN_2736826	0	0
20493	Slc10a1	0.010	0.025	0.019	0	0	0	0	0	0	NM_011387	solute carrier family 10 (sodium/bile acid cotransporter family), member 1 (Slc10a1), mRNA.	Mme-M400011132	ILMN_2600147	0	0
20494	Slc10a2	-0.301	0.072	0.013	0	0	0	0	0	0	NM_011388	solute carrier family 10, member 2 (Slc10a2), mRNA.	Mme-M200001362	ILMN_2760190	0	0
214601	Slc10a3	-0.326	0.031	0.040	0	0	0	0	0	0	NM_145406	solute carrier family 10 (sodium/bile acid cotransporter family), member 3 (Slc10a3), mRNA.	Mme-M300008453	ILMN_1236161	0	0
231290	Slc10a4	0.069	0.195	0.059	0	0	0	0	0	0	NM_173403	solute carrier family 10 (sodium/bile acid cotransporter family), member 4 (Slc10a4), mRNA.	Mme-M400001148	ILMN_2631057	0	0
241877	Slc10a5	-0.218	-0.056	-0.059	0	0	0	0	0	0	NM_001010834	solute carrier family 10 (sodium/bile acid cotransporter family), member 5 (Slc10a5), mRNA.	Mme-M400006549	ILMN_1249970	0	0
75750	Slc10a6	0.069	0.020	-0.081	0	0	0	0	0	0	NM_029415	solute carrier family 10 (sodium/bile acid cotransporter family), member 6 (Slc10a6), mRNA.	Mme-M200002549	ILMN_2822000	0	0
76775	Slc10a7	0.195	-0.056	-0.098	0	0	0	0	0	0	NM_029736	solute carrier family 10 (sodium/bile acid cotransporter family), member 7 (Slc10a7), mRNA.	Mme-M400009573	ILMN_3162636	0	0
18173	Slc11a1	-0.271	0.639	0.234	0	1	0	0	1	0	NM_013612	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1 (Slc11a1), mRNA.	Mme-M200001107	ILMN_2983516	1	0
18174	Slc11a2	-0.311	-0.151	-0.023	0	0	0	0	0	0	NM_008732	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 (Slc11a2), mRNA.	Mme-M400008983	ILMN_2665063	0	0
20495	Slc12a1	-0.236	0.051	0.164	0	0	0	0	0	0	NM_183354	solute carrier family 12, member 1 (Slc12a1), transcript variant 2, mRNA.	Mme-M200001503	ILMN_2746614	0	0
20496	Slc12a2	-0.054	-0.252	-0.098	0	0	0	0	0	0	NM_009194	solute carrier family 12, member 2 (Slc12a2), mRNA.	Mme-M400010169	ILMN_2617892	0	0
20497	Slc12a3	0.003	0.106	0.096	0	0	0	0	0	0	NM_019415	solute carrier family 12, member 3 (Slc12a3), mRNA.	Mme-M200012108	ILMN_2756550	0	0
20498	Slc12a4	0.102	-0.052	-0.190	0	0	0	0	0	0	NM_009195	solute carrier family 12, member 4 (Slc12a4), mRNA.	Mme-M200001634	ILMN_2629731	0	0
57138	Slc12a5	0.563	0.167	-0.048	0	0	0	0	0	0	NM_020333	solute carrier family 12, member 5 (Slc12a5), mRNA.	Mme-M200015957	ILMN_2525893	0	0
107723	Slc12a6	-0.122	0.073	-0.087	0	0	0	0	0	0	NM_133648	solute carrier family 12, member 6 (Slc12a6), transcript variant 1, mRNA.	Mme-M200004251	ILMN_2422414	0	0
20499	Slc12a7	0.064	0.112	0.001	0	0	0	0	0	0	NM_011390	solute carrier family 12, member 7 (Slc12a7), mRNA.	Mme-M200004915	ILMN_2650953	0	0
171286	Slc12a8	-0.184	0.041	-0.104	0	0	0	0	0	0	NM_001083902	solute carrier family 12 (potassium/chloride transporters), member 8 (Slc12a8), transcript variant 2, mRNA.	Mme-M200007731	ILMN_2721789	0	0
83704	Slc12a9	0.295	0.246	-0.046	0	0	0	0	0	0	NM_031406	solute carrier family 12 (potassium/chloride transporters), member 9 (Slc12a9), mRNA.	Mme-M200016199	ILMN_2998026	0	0
55961	Slc13a1	-0.114	-0.100	0.045	0	0	0	0	0	0	NM_019481	solute carrier family 13 (sodium/sulphate symporters), member 1 (Slc13a1), mRNA.	Mme-M300006823	ILMN_2648523	0	0
20500	Slc13a2	0.070	-0.009	-0.056	0	0	0	0	0	0	NM_022411	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (Slc13a2), mRNA.	Mme-M200014998	ILMN_2646369	0	0
114644	Slc13a3	-0.188	-0.322	0.202	0	0	0	0	0	0	NM_054055	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 (Slc13a3), mRNA.	Mme-M200005566	ILMN_2918312	0	0
243755	Slc13a4	-0.017	-0.622	0.273	0	-1	0	0	-1	0	NM_172892	solute carrier family 13 (sodium/sulfate symporters), member 4 (Slc13a4), mRNA.	Mme-M300006905	ILMN_2827072	0	1
237831	Slc13a5	-0.145	0.073	0.031	0	0	0	0	0	0	NM_001004148	solute carrier family 13 (sodium-dependent citrate transporter), member 5 (Slc13a5), mRNA.	Mme-M300002400	ILMN_3163527	0	0
108052	Slc14a1	0.090	0.137	0.125	0	0	0	0	0	0	NM_028122	solute carrier family 14 (urea transporter), member 1 (Slc14a1), mRNA.	Mme-M200008890	ILMN_1235006	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
27411	Slc14a2	0.066	0.063	-0.076	0	0	0	0	0	0	NM_001110274	solute carrier family 14 (urea transporter), member 2 (Slc14a2), transcript variant 4, mRNA.	Mme-M200014036	ILMN_3128363	0	0
56643	Slc15a1	-0.020	0.042	0.086	0	0	0	0	0	0	NM_053079	solute carrier family 15 (oligopeptide transporter), member 1 (Slc15a1), mRNA.	Mme-M300004692	ILMN_1258881	0	0
57738	Slc15a2	-0.092	-0.144	-0.011	0	0	0	0	0	0	NM_021301	solute carrier family 15 (H+/peptide transporter), member 2 (Slc15a2), mRNA.	Mme-M400011378	ILMN_2988480	0	0
65221	Slc15a3	0.109	0.580	0.298	0	1	0	0	1	0	NM_023044	solute carrier family 15, member 3 (Slc15a3), mRNA.	Mme-M300004285	ILMN_2987709	1	0
100561	Slc15a4	0.249	-0.095	-0.004	0	0	0	0	0	0	NM_133895	solute carrier family 15, member 4 (Slc15a4), mRNA.	Mme-M200006037	ILMN_2687204	0	0
277898	Slc15a5	-0.082	0.057	0.021	0	0	0	0	0	0	NM_177787	RIKEN cDNA 9830102E05 gene (9830102E05Rik), mRNA.	Mme-M300015400	ILMN_2682892	0	0
20501	Slc16a1	-0.079	-0.094	0.087	0	0	0	0	0	0	NM_009196	solute carrier family 16 (monocarboxylic acid transporters), member 1 (Slc16a1), mRNA.	Mme-M200002767	ILMN_2670091	0	0
72472	Slc16a10	0.353	-0.044	0.036	0	0	0	0	0	0	NM_001114332	solute carrier family 16 (monocarboxylic acid transporters), member 10 (Slc16a10), transcript variant 1, mRNA.	Mme-M400008707	ILMN_2439813	0	0
216867	Slc16a11	-0.469	-0.262	-0.029	0	0	0	0	0	0	NM_153081	solute carrier family 16 (monocarboxylic acid transporters), member 11 (Slc16a11), transcript variant 3, mRNA.	Mme-M400002459	ILMN_2721413	0	0
240638	Slc16a12	-0.121	0.096	-0.058	0	0	0	0	0	0	NM_172838	solute carrier family 16 (monocarboxylic acid transporters), member 12 (Slc16a12), mRNA.	Mme-M300001039	ILMN_1225059	0	0
69309	Slc16a13	-0.054	-0.059	-0.108	0	0	0	0	0	0	NM_172371	solute carrier family 16 (monocarboxylic acid transporters), member 13 (Slc16a13), mRNA.	Mme-M200016109	ILMN_1212959	0	0
71781	Slc16a14	-0.208	0.021	0.032	0	0	0	0	0	0	NM_027921	solute carrier family 16 (monocarboxylic acid transporters), member 14 (Slc16a14), mRNA.	Mme-M200010444	ILMN_1217704	0	0
20502	Slc16a2	0.258	-0.111	-0.079	0	0	0	0	0	0	NM_009197	solute carrier family 16 (monocarboxylic acid transporters), member 2 (Slc16a2), mRNA.	Mme-M400001620	ILMN_1235366	0	0
80879	Slc16a3	0.676	0.110	-0.034	1	0	0	0	0	0	NM_001038654	solute carrier family 16 (monocarboxylic acid transporters), member 3 (Slc16a3), mRNA.	Mme-M200006101	ILMN_3163569	0	0
229699	Slc16a4	0.010	0.016	0.076	0	0	0	0	0	0	NM_146136	solute carrier family 16 (monocarboxylic acid transporters), member 4 (Slc16a4), mRNA.	Mme-M300005834	ILMN_2856537	0	0
217316	Slc16a5	-0.131	-0.075	-0.047	0	0	0	0	0	0	NM_001080934	solute carrier family 16 (monocarboxylic acid transporters), member 5 (Slc16a5), mRNA.	Mme-M300016704	ILMN_1237289	0	0
104681	Slc16a6	0.090	-0.259	0.142	0	0	0	0	0	0	NM_134038	solute carrier family 16 (monocarboxylic acid transporters), member 6 (Slc16a6), transcript variant 2, mRNA.	Mme-M200013029	ILMN_1258950	0	0
20503	Slc16a7	0.071	-0.001	0.002	0	0	0	0	0	0	NM_011391	solute carrier family 16 (monocarboxylic acid transporters), member 7 (Slc16a7), mRNA.	Mme-M200006356	ILMN_2645399	0	0
57274	Slc16a8	-0.245	0.012	-0.166	0	0	0	0	0	0	NM_020516	solute carrier family 16 (monocarboxylic acid transporters), member 8 (Slc16a8), mRNA.	Mme-M300008546	ILMN_2926057	0	0
66859	Slc16a9	0.182	-0.457	0.044	0	-1	0	0	0	0	NM_025807	solute carrier family 16 (monocarboxylic acid transporters), member 9 (Slc16a9), mRNA.	Mme-M200003760	ILMN_2922560	0	0
20504	Slc17a1	-0.244	-0.056	0.032	0	0	0	0	0	0	NM_009198	solute carrier family 17 (sodium phosphate), member 1 (Slc17a1), mRNA.	Mme-M200001012	ILMN_2708010	0	0
218103	Slc17a2	-0.244	0.044	0.027	0	0	0	0	0	0	NM_144836	solute carrier family 17 (sodium phosphate), member 2 (Slc17a2), mRNA.	Mme-M200004762	ILMN_2595395	0	0
105355	Slc17a3	-0.048	-0.047	0.096	0	0	0	0	0	0	NM_134069	solute carrier family 17 (sodium phosphate), member 3 (Slc17a3), mRNA.	Mme-M200005396	ILMN_1249661	0	0
319848	Slc17a4	-0.379	0.003	-0.002	0	0	0	0	0	0	NM_177016	solute carrier family 17 (sodium phosphate), member 4 (Slc17a4), mRNA.	Mme-M300002707	ILMN_2672147	0	0
235504	Slc17a5	-0.112	0.037	-0.135	0	0	0	0	0	0	NM_172773	solute carrier family 17 (anion/sugar transporter), member 5 (Slc17a5), mRNA.	Mme-M200014618	ILMN_1216788	0	0
140919	Slc17a6	-0.116	-0.077	-0.014	0	0	0	0	0	0	NM_080853	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6 (Slc17a6), mRNA.	Mme-M200015295	ILMN_2773047	0	0
72961	Slc17a7	0.266	0.473	0.145	0	1	0	0	0	0	NM_182993	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7 (Slc17a7), mRNA.	Mme-M200013669	ILMN_2618244	0	0
216227	Slc17a8	-0.133	-0.042	-0.074	0	0	0	0	0	0	NM_182959	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8 (Slc17a8), mRNA.	Mme-M300001902	ILMN_2806439	0	0
228993	Slc17a9	0.318	0.196	-0.151	0	0	0	0	0	0	NM_183161	RIKEN cDNA 1700019H03 gene (1700019H03Rik), mRNA.	Mme-M200015813	ILMN_2999818	0	0
110877	Slc18a1	-0.121	0.001	0.023	0	0	0	0	0	0	NM_153054	solute carrier family 18 (vesicular monoamine), member 1 (Slc18a1), mRNA.	Mme-M300010333	ILMN_2712976	0	0
214084	Slc18a2	0.087	-0.061	0.133	0	0	0	0	0	0	NM_172523	solute carrier family 18 (vesicular monoamine), member 2 (Slc18a2), mRNA.	Mme-M300004482	ILMN_2739303	0	0
20508	Slc18a3	-0.145	0.340	0.101	0	0	0	0	0	0	NM_021712	solute carrier family 18 (vesicular monoamine), member 3 (Slc18a3), mRNA.	Mme-M200014890	ILMN_1247491	0	0
76306	Slc18b1	-0.242	-0.209	0.023	0	0	0	0	0	0	NM_183116	RIKEN cDNA 1110021L09 gene (1110021L09Rik), mRNA.	Mme-M200013709	ILMN_2738655	0	0
20509	Slc19a1	-0.108	-0.161	-0.087	0	0	0	0	0	0	NM_031196	solute carrier family 19 (sodium/hydrogen exchanger), member 1 (Slc19a1), mRNA.	Mme-M200000996	ILMN_1225544	0	0
116914	Slc19a2	-0.182	-0.014	0.061	0	0	0	0	0	0	NM_054087	solute carrier family 19 (thiamine transporter), member 2 (Slc19a2), mRNA.	Mme-M200007747	ILMN_1250531	0	0
80721	Slc19a3	0.073	0.013	-0.073	0	0	0	0	0	0	NM_030556	solute carrier family 19 (sodium/hydrogen exchanger), member 3 (Slc19a3), mRNA.	Mme-M200011515	ILMN_2728643	0	0
20510	Slc1a1	0.101	0.096	0.143	0	0	0	0	0	0	NM_009199	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 (Slc1a1),	Mme-M200004983	ILMN_1225873	0	0
20511	Slc1a2	0.613	0.578	0.132	0	1	0	0	1	0	NM_001077515	solute carrier family 1 (glial high affinity glutamate transporter), member 2 (Slc1a2), transcript variant 2, mRNA.	Mme-M300000636	ILMN_3123195	1	0
20512	Slc1a3	0.189	0.120	0.111	0	0	0	0	0	0	NM_148938	solute carrier family 1 (glial high affinity glutamate transporter), member 3 (Slc1a3), mRNA.	Mme-M200007358	ILMN_2634317	0	0
55963	Slc1a4	0.059	0.112	0.049	0	0	0	0	0	0	NM_018861	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4 (Slc1a4), mRNA.	Mme-M200002352	ILMN_2888552	0	0
20514	Slc1a5	0.278	-0.111	0.057	0	0	0	0	0	0	NM_009201	solute carrier family 1 (neutral amino acid transporter), member 5 (Slc1a5), mRNA.	Mme-M200000385	ILMN_2776585	0	0
20513	Slc1a6	-0.155	-0.100	0.004	0	0	0	0	0	0	NM_009200	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 (Slc1a6), mRNA.	Mme-M200002335	ILMN_2739477	0	0
242607	Slc1a7	0.097	0.082	0.044	0	0	0	0	0	0	NM_146255	solute carrier family 1 (glutamate transporter), member 7 (Slc1a7), mRNA.	Mme-M300000999	ILMN_2707789	0	0
20515	Slc20a1	-0.067	0.042	0.055	0	0	0	0	0	0	NM_015747	solute carrier family 20, member 1 (Slc20a1), mRNA.	Mme-M200003461	ILMN_2589412	0	0
20516	Slc20a2	0.153	-0.027	0.025	0	0	0	0	0	0	NM_011394	solute carrier family 20, member 2 (Slc20a2), mRNA.	Mme-M200009931	ILMN_1246390	0	0
20517	Slc22a1	-0.055	-0.177	-0.152	0	0	0	0	0	0	NM_009202	solute carrier family 22 (organic cation transporter), member 1 (Slc22a1), mRNA.	Mme-M400000680	ILMN_1247071	0	0
20521	Slc22a12	-0.119	-0.019	0.063	0	0	0	0	0	0	NM_009203	solute carrier family 22 (organic anion/cation transporter), member 12 (Slc22a12), mRNA.	Mme-M200003147	ILMN_1251401	0	0
102570	Slc22a13	-0.220	-0.166	-0.087	0	0	0	0	0	0	NM_133980	solute carrier family 22 (organic cation transporter), member 13 (Slc22a13), mRNA.	Mme-M400000178	ILMN_3126190	0	0
109280	Slc22a13b-ps	-0.065	0.067	-0.079	0	0	0	0	0	0	NM_175420	RIKEN cDNA 9330176C04 gene (9330176C04Rik), mRNA.	Mme-M400004786	ILMN_3161528	0	0
382113	Slc22a14	-0.306	-0.015	0.019	0	0	0	0	0	0	NM_001037749	solute carrier family 22 (organic cation transporter), member 14 (Slc22a14), mRNA.	Mme-M400006110	ILMN_2874193	0	0
242126	Slc22a15	0.015	0.007	-0.001	0	0	0	0	0	0	XM_001474615	PREDICTED: solute carrier family 22 (organic anion/cation transporter), member 15 (Slc22a15), mRNA.	Mme-M300008613	ILMN_1253010	0	0
70840	Slc22a16	0.034	0.031	-0.011	0	0	0	0	0	0	NM_027572	solute carrier family 22 (organic cation transporter), member 16 (Slc22a16), mRNA.	Mme-M200014804	ILMN_2745620	0	0
59049	Slc22a17	-0.088	-0.163	-0.178	0	0	0	0	0	0	NM_021551	solute carrier family 22 (organic cation transporter), member 17 (Slc22a17), mRNA.	Mme-M300003137	ILMN_2746664	0	0
18400	Slc22a18	0.070	-0.175	-0.021	0	0	0	0	0	0	NM_008767	solute carrier family 22 (organic cation transporter), member 18 (Slc22a18), transcript variant 1, mRNA.	Mme-M300000025	ILMN_2702633	0	0
207151	Slc22a19	-0.081	-0.105	-0.079	0	0	0	0	0	0	NM_144785	solute carrier family 22 (organic anion transporter), member 9 (Slc22a9), mRNA.	Mme-M200004112	ILMN_2652112	0	0
20518	Slc22a2	-0.514	-0.165	0.059	0	0	0	0	0	0	NM_013667	solute carrier family 22 (organic cation transporter), member 2 (Slc22a2), mRNA.	Mme-M200003492	ILMN_2763366	0	0
56517	Slc22a21	-0.169	-0.095	-0.028	0	0	0	0	0	0	NM_019723	solute carrier family 22 (organic cation transporter), member 21 (Slc22a21), mRNA.	Mme-M200009740	ILMN_1234533	0	0
210463	Slc22a22	0.201	-0.111	0.021	0	0	0	0	0	0	NM_172378	cDNA sequence BC026439 (BC026439), mRNA.	Mme-M300003237	ILMN_2699805	0	0
73102	Slc22a23	-0.067	0.130	0.123	0	0	0	0	0	0	NM_001033167	solute carrier family 22, member 23 (Slc22a23), mRNA.	Mme-M300011454	ILMN_3064514	0	0
236149	Slc22a26	0.337	-0.049	-0.014	0	0	0	0	0	0	NM_146232	cDNA sequence BC014805 (BC014805), mRNA.	Mme-M400004419	ILMN_2959409	0	0
236293	Slc22a29	-0.149	-0.019	-0.031	0	0	0	0	0	0	NM_172776	RIKEN cDNA D630002G06 gene (D630002G06Rik), mRNA.	Mme-M400004172	ILMN_1225143	0	0
20519	Slc22a3	0.021	-0.036	-0.026	0	0	0	0	0	0	NM_011395	solute carrier family 22 (organic cation transporter), member 3 (Slc22a3), mRNA.	Mme-M300003761	ILMN_1217683	0	0
319800	Slc22a30	-0.179	0.076	-0.060	0	0	0	0	0	0	NM_177002	RIKEN cDNA C730048C13 gene (C730048C13Rik), mRNA.	Mme-M400012350	ILMN_1236134	0	0
30805	Slc22a4	-0.187	-0.476	0.109	0	-1	0	0	0	0	NM_019687	solute carrier family 22 (organic cation transporter), member 4 (Slc22a4), mRNA.	Mme-M200013911	ILMN_1223035	0	0
20520	Slc22a5	0.028	-0.109	0.260	0	0	0	0	0	0	NM_011396	solute carrier family 22 (organic cation transporter), member 5 (Slc22a5), mRNA.	Mme-M200013948	ILMN_2834915	0	0
18399	Slc22a6	-0.260	-0.670	-0.024	0	-1	0	0	-1	0	NM_008766	solute carrier family 22 (organic anion transporter), member 6 (Slc22a6), mRNA.	Mme-M200006832	ILMN_2708491	0	1
108114	Slc22a7	0.149	-0.054	-0.070	0	0	0	0	0	0	NM_144856	solute carrier family 22 (organic anion transporter), member 7 (Slc22a7), mRNA.	Mme-M400011883	ILMN_2766867	0	0
19879	Slc22a8	-0.180	-0.564	0.113	0	-1	0	0	-1	0	NM_031194	solute carrier family 22 (organic anion transporter), member 8 (Slc22a8), mRNA.	Mme-M200003950	ILMN_2730888	0	1
20522	Slc23a1	-0.297	-0.044	-0.031	0	0	0	0	0	0	NM_011397	solute carrier family 23 (nucleobase transporters), member 1 (Slc23a1), mRNA.	Mme-M200004484	ILMN_2633002	0	0
54338	Slc23a2	0.209	-0.241	0.032	0	0	0	0	0	0	NM_018824	solute carrier family 23 (nucleobase transporters), member 2 (Slc23a2), mRNA.	Mme-M200008547	ILMN_2640927	0	0
22626	Slc23a3	-0.388	0.096	-0.030	0	0	0	0	0	0	NM_194333	solute carrier family 23 (nucleobase transporters), member 3 (Slc23a3), mRNA.	Mme-M300004987	ILMN_1218441	0	0
214111	Slc24a1	-0.264	0.050	-0.047	0	0	0	0	0	0	NM_144813	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1 (Slc24a1), mRNA.	Mme-M400012917	ILMN_2618257	0	0
76376	Slc24a2	-0.282	-0.134	0.117	0	0	0	0	0	0	NM_001110240	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2 (Slc24a2), transcript variant 2, mRNA	Mme-M400009290	ILMN_2516974	0	0
94249	Slc24a3	-0.274	-0.327	0.061	0	0	0	0	0	0	NM_053195	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (Slc24a3), mRNA.	Mme-M300010797	ILMN_2838501	0	0
238384	Slc24a4	0.007	-0.170	0.025	0	0	0	0	0	0	NM_172152	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4 (Slc24a4), mRNA.	Mme-M300013354	ILMN_1219643	0	0
317750	Slc24a5	0.177	0.034	0.016	0	0	0	0	0	0	NM_175034	solute carrier family 24, member 5 (Slc24a5), mRNA.	Mme-M300009754	ILMN_1236734	0	0
13358	Slc25a1	-0.106	-0.215	-0.009	0	0	0	0	0	0	NM_153150	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1 (Slc25a1), nuclear gene encoding	Mme-M200004472	ILMN_2919263	0	0
27376	Slc25a10	0.034	0.002	-0.125	0	0	0	0	0	0	NM_013770	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10 (Slc25a10), nuclear gene e	Mme-M200001544	ILMN_2730797	0	0
67863	Slc25a11	-0.140	0.177	-0.213	0	0	0	0	0	0	NM_024211	solute carrier family 25 (mitochondrial carrier oxoglutarate carrier), member 11 (Slc25a11), nuclear gene encodi	Mme-M200006019	ILMN_3010110	0	0
78830	Slc25a12	0.158	0.190	0.050	0	0	0	0	0	0	NM_172436	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 (Slc25a12), nuclear gene encoding mitochond	Mme-M200007025	ILMN_2972855	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_significant_423	z3glngly_significant_616	z3glngly_significant_921	z4glngly_significant_423	z4glngly_significant_616	z4glngly_significant_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
50799	Slc25a13	0.013	0.047	-0.084	0	0	0	0	0	0	NM_015829	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 13 (Slc25a13), nuclear	Mme-M200004917	ILMN_1236546	0	0
20523	Slc25a14	0.089	0.101	0.083	0	0	0	0	0	0	NM_011398	solute carrier family 25 (mitochondrial carrier, brain), member 14 (Slc25a14), nuclear gene encoding mitochondr	Mme-M200007683	ILMN_1216852	0	0
18408	Slc25a15	-0.164	-0.047	-0.089	0	0	0	0	0	0	NM_011017	solute carrier family 25 (mitochondrial carrier ornithine transporter), member 15 (Slc25a15), nuclear gene encoc	Mme-M200012968	ILMN_3163476	0	0
73132	Slc25a16	0.222	-0.325	-0.050	0	0	0	0	0	0	NM_175194	solute carrier family 25 (mitochondrial carrier, Graves disease autoantigen), member 16 (Slc25a16), nuclear gen	Mme-M300010589	ILMN_2822071	0	0
20524	Slc25a17	0.117	-0.199	0.200	0	0	0	0	0	0	NM_011399	solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein), member 17 (Slc25a17), nuclear	Mme-M200000110	ILMN_1222474	0	0
67283	Slc25a19	-0.075	0.137	-0.046	0	0	0	0	0	0	NM_026071	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19 (Slc25a19), nuclear gene en	Mme-M200004938	ILMN_2611532	0	0
83885	Slc25a2	0.222	0.044	-0.011	0	0	0	0	0	0	XM_111757	PREDICTED: solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 2 (Slc25a2), mRNA.	Mme-M400003669	ILMN_2543036	0	0
57279	Slc25a20	-0.275	0.087	-0.079	0	0	0	0	0	0	NM_020520	solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20 (Slc25a20), nuclear gene	Mme-M200006592	ILMN_3138499	0	0
217593	Slc25a21	-0.120	0.028	-0.053	0	0	0	0	0	0	NM_172577	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21 (Slc25a21), nuclear gene encoding	Mme-M300009936	ILMN_2625003	0	0
68267	Slc25a22	-0.142	-0.068	-0.016	0	0	0	0	0	0	NM_026646	solute carrier family 25 (mitochondrial carrier, glutamate), member 22 (Slc25a22), nuclear gene encoding mitoch	Mme-M200007403	ILMN_2737237	0	0
66972	Slc25a23	0.183	0.064	-0.096	0	0	0	0	0	0	NM_025877	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23 (Slc25a23), nuclear gene encodin	Mme-M300001149	ILMN_2675672	0	0
229731	Slc25a24	0.100	-0.120	0.063	0	0	0	0	0	0	NM_172685	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24 (Slc25a24), nuclear gene encodin	Mme-M200007379	ILMN_2841710	0	0
227731	Slc25a25	0.063	0.003	0.117	0	0	0	0	0	0	NM_146118	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25 (Slc25a25), nuclear gene encodin	Mme-M200007940	ILMN_1216597	0	0
67582	Slc25a26	-0.098	-0.091	-0.165	0	0	0	0	0	0	NM_026255	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 26 (Slc25a26), nuclear gene encodin	Mme-M200015553	ILMN_1256867	0	0
74011	Slc25a27	0.093	-0.032	0.046	0	0	0	0	0	0	NM_028711	solute carrier family 25, member 27 (Slc25a27), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300003810	ILMN_2858938	0	0
246696	Slc25a28	0.288	-0.067	-0.083	0	0	0	0	0	0	NM_145156	solute carrier family 25, member 28 (Slc25a28), mRNA.	Mme-M200004701	ILMN_2722623	0	0
214663	Slc25a29	0.023	0.008	0.015	0	0	0	0	0	0	NM_181328	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29 (Slc25a29), nuclear g	Mme-M200014127	ILMN_1225300	0	0
18674	Slc25a3	0.256	-0.228	0.052	0	0	0	0	0	0	NM_133668	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 3 (Slc25a3), nuclear gene encoding n	Mme-M300001917	ILMN_2960467	0	0
67554	Slc25a30	0.160	0.057	-0.023	0	0	0	0	0	0	NM_026232	solute carrier family 25, member 30 (Slc25a30), mRNA.	Mme-M200013505	ILMN_2675523	0	0
73333	Slc25a31	0.043	-0.105	-0.064	0	0	0	0	0	0	NM_178386	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31 (Slc25a31), nuclear	Mme-M400012473	ILMN_1234063	0	0
69906	Slc25a32	0.052	-0.170	-0.030	0	0	0	0	0	0	NM_172402	solute carrier family 25, member 32 (Slc25a32), mRNA.	Mme-M200003550	ILMN_2747302	0	0
70556	Slc25a33	-0.029	-0.266	0.006	0	0	0	0	0	0	NM_027460	solute carrier family 25, member 33 (Slc25a33), mRNA.	Mme-M300006413	ILMN_2761046	0	0
71998	Slc25a35	0.120	-0.014	-0.173	0	0	0	0	0	0	NM_028048	solute carrier family 25, member 35 (Slc25a35), mRNA.	Mme-M200007812	ILMN_1258728	0	0
192287	Slc25a36	-0.033	-0.182	0.058	0	0	0	0	0	0	NM_138756	solute carrier family 25, member 36 (Slc25a36), mRNA.	Mme-M200009191	ILMN_1245421	0	0
67712	Slc25a37	0.249	0.376	0.118	0	0	0	0	0	0	NM_026331	solute carrier family 25, member 37 (Slc25a37), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300009238	ILMN_2696609	0	0
208638	Slc25a38	-0.115	0.066	-0.165	0	0	0	0	0	0	NM_144793	solute carrier family 25, member 38 (Slc25a38), mRNA.	Mme-M400001471	ILMN_2946905	0	0
68066	Slc25a39	0.234	0.063	-0.029	0	0	0	0	0	0	NM_026542	solute carrier family 25, member 39 (Slc25a39), mRNA.	Mme-M200014065	ILMN_2855261	0	0
319653	Slc25a40	0.085	0.102	-0.036	0	0	0	0	0	0	NM_178766	solute carrier family 25, member 40 (Slc25a40), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300006429	ILMN_1250317	0	0
103775	Slc25a41	-0.338	0.035	-0.027	0	0	0	0	0	0	NM_175333	solute carrier family 25, member 41 (Slc25a41), mRNA.	Mme-M300015112	ILMN_1220879	0	0
73095	Slc25a42	0.120	0.230	-0.038	0	0	0	0	0	0	NM_001007570	solute carrier family 25, member 42 (Slc25a42), mRNA.	Mme-M300000303	ILMN_2810937	0	0
194744	Slc25a43	-0.305	0.070	0.030	0	0	0	0	0	0	NM_001085497	solute carrier family 25, member 43 (Slc25a43), mRNA.	Mme-M300011038	ILMN_2532075	0	0
229517	Slc25a44	0.441	0.210	-0.141	0	0	0	0	0	0	NM_178696	solute carrier family 25, member 44 (Slc25a44), mRNA.	Mme-M300020855	ILMN_2734283	0	0
107375	Slc25a45	0.064	0.004	0.054	0	0	0	0	0	0	NM_134154	solute carrier family 25, member 45 (Slc25a45), mRNA.	Mme-M200002240	ILMN_1251109	0	0
67453	Slc25a46	0.273	-0.036	-0.038	0	0	0	0	0	0	NM_026165	solute carrier family 25, member 46 (Slc25a46), mRNA.	Mme-M200004721	ILMN_2673344	0	0
104910	Slc25a47	-0.148	-0.044	-0.030	0	0	0	0	0	0	NM_001012310	expressed sequence AI132487 (AI132487), mRNA.	Mme-M300019635	ILMN_2681001	0	0
328258	Slc25a48	0.006	0.001	-0.062	0	0	0	0	0	0	NM_177809	expressed sequence AU042651 (AU042651), mRNA.	Mme-M300002791	ILMN_1226463	0	0
11740	Slc25a5	0.279	-0.090	0.026	0	0	0	0	0	0	NM_007451	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 (Slc25a5), nuclear ge	Mme-M400000252	ILMN_2660099	0	0
230125	Slc25a51	0.185	-0.019	0.060	0	0	0	0	0	0	NM_001009949	mitochondrial carrier triple repeat 1 (Mcart1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300016892	ILMN_2675239	0	0
67062	Slc25a53	0.233	0.183	-0.004	0	0	0	0	0	0	NM_001114179	mitochondrial carrier triple repeat 6 (Mcart6), nuclear gene encoding mitochondrial protein, transcript variant 2	Mme-M300015372	ILMN_2822732	0	0
268512	Slc26a11	-0.099	-0.029	-0.043	0	0	0	0	0	0	NM_178743	solute carrier family 26, member 11 (Slc26a11), mRNA.	Mme-M300012434	ILMN_2621606	0	0
13521	Slc26a2	0.271	0.005	-0.050	0	0	0	0	0	0	NM_007885	solute carrier family 26 (sulfate transporter), member 2 (Slc26a2), mRNA.	Mme-M200005004	ILMN_1224606	0	0
13487	Slc26a3	-0.040	0.042	0.085	0	0	0	0	0	0	NM_021353	solute carrier family 26, member 3 (Slc26a3), mRNA.	Mme-M200008843	ILMN_2746346	0	0
23985	Slc26a4	-0.234	0.200	-0.022	0	0	0	0	0	0	NM_011867	solute carrier family 26, member 4 (Slc26a4), mRNA.	Mme-M300002305	ILMN_1220193	0	0
80979	Slc26a5	-0.007	0.050	-0.008	0	0	0	0	0	0	NM_030727	solute carrier family 26, member 5 (Slc26a5), mRNA.	Mme-M200011567	ILMN_2730454	0	0
171429	Slc26a6	0.034	0.097	-0.087	0	0	0	0	0	0	NM_134420	solute carrier family 26, member 6 (Slc26a6), mRNA.	Mme-M200014210	ILMN_2668261	0	0
208890	Slc26a7	0.118	-0.237	0.078	0	0	0	0	0	0	NM_145947	solute carrier family 26, member 7 (Slc26a7), mRNA.	Mme-M300012731	ILMN_1224808	0	0
224661	Slc26a8	0.262	0.046	0.039	0	0	0	0	0	0	NM_146076	solute carrier family 26, member 8 (Slc26a8), mRNA.	Mme-M300010276	ILMN_2604723	0	0
320718	Slc26a9	-0.074	-0.054	-0.092	0	0	0	0	0	0	NM_177243	solute carrier family 26, member 9 (Slc26a9), mRNA.	Mme-M300013603	ILMN_2623155	0	0
26457	Slc27a1	0.075	0.181	0.037	0	0	0	0	0	0	NM_011977	solute carrier family 27 (fatty acid transporter), member 1 (Slc27a1), mRNA.	Mme-M200002499	ILMN_2690122	0	0
26458	Slc27a2	0.074	-0.742	-0.225	0	-1	0	0	-1	0	NM_011978	solute carrier family 27 (fatty acid transporter), member 2 (Slc27a2), mRNA.	Mme-M200002398	ILMN_2515273	0	1
26568	Slc27a3	-0.059	-0.068	0.064	0	0	0	0	0	0	NM_011988	solute carrier family 27 (fatty acid transporter), member 3 (Slc27a3), mRNA.	Mme-M200014276	ILMN_2747857	0	0
26569	Slc27a4	-0.219	-0.096	-0.110	0	0	0	0	0	0	NM_011989	solute carrier family 27 (fatty acid transporter), member 4 (Slc27a4), mRNA.	Mme-M400006756	ILMN_2709355	0	0
26459	Slc27a5	-0.079	0.075	0.053	0	0	0	0	0	0	NM_009512	solute carrier family 27 (fatty acid transporter), member 5 (Slc27a5), mRNA.	Mme-M400001257	ILMN_1228815	0	0
225579	Slc27a6	-0.093	-0.011	-0.061	0	0	0	0	0	0	NM_001081072	solute carrier family 27 (fatty acid transporter), member 6 (Slc27a6), mRNA.	Mme-M400000762	ILMN_1230314	0	0
434203	Slc28a1	-0.221	-0.081	0.035	0	0	0	0	0	0	NM_001004184	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1 (Slc28a1), mRNA.	Mme-M300004736	ILMN_3161390	0	0
269346	Slc28a2	-0.256	0.114	0.094	0	0	0	0	0	0	NM_172980	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 (Slc28a2), mRNA.	Mme-M400000991	ILMN_2843286	0	0
114304	Slc28a3	-0.327	-0.023	-0.110	0	0	0	0	0	0	NM_022317	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 (Slc28a3), mRNA.	Mme-M300002828	ILMN_2634129	0	0
63959	Slc29a1	-0.099	0.098	0.088	0	0	0	0	0	0	NM_022880	solute carrier family 29 (nucleoside transporters), member 1 (Slc29a1), nuclear gene encoding mitochondrial prc	Mme-M200006631	ILMN_2888144	0	0
13340	Slc29a2	-0.171	-0.146	-0.115	0	0	0	0	0	0	NM_007854	solute carrier family 29 (nucleoside transporters), member 2 (Slc29a2), mRNA.	Mme-M200002040	ILMN_2743421	0	0
71279	Slc29a3	-0.249	-0.023	0.039	0	0	0	0	0	0	NM_023596	solute carrier family 29 (nucleoside transporters), member 3 (Slc29a3), mRNA.	Mme-M200015601	ILMN_2961091	0	0
243328	Slc29a4	-0.279	0.079	-0.132	0	0	0	0	0	0	NM_146257	solute carrier family 29 (nucleoside transporters), member 4 (Slc29a4), mRNA.	Mme-M300021491	ILMN_1240973	0	0
20525	Slc2a1	0.268	-0.156	-0.072	0	0	0	0	0	0	NM_011400	solute carrier family 2 (facilitated glucose transporter), member 1 (Slc2a1), mRNA.	Mme-M300006210	ILMN_1258159	0	0
170441	Slc2a10	0.027	0.043	0.055	0	0	0	0	0	0	NM_130451	solute carrier family 2 (facilitated glucose transporter), member 10 (Slc2a10), mRNA.	Mme-M200007496	ILMN_1243491	0	0
353169	Slc2a12	-0.148	0.073	-0.022	0	0	0	0	0	0	NM_178934	solute carrier family 2 (facilitated glucose transporter), member 12 (Slc2a12), mRNA.	Mme-M300010954	ILMN_2710688	0	0
239606	Slc2a13	0.227	-0.078	-0.159	0	0	0	0	0	0	NM_001033633	solute carrier family 2 (facilitated glucose transporter), member 13 (Slc2a13), mRNA.	Mme-M400001889	ILMN_2925424	0	0
20526	Slc2a2	-0.035	-0.070	0.041	0	0	0	0	0	0	NM_031197	solute carrier family 2 (facilitated glucose transporter), member 2 (Slc2a2), mRNA.	Mme-M200003608	ILMN_2750284	0	0
20527	Slc2a3	0.037	-0.041	-0.031	0	0	0	0	0	0	NM_011401	solute carrier family 2 (facilitated glucose transporter), member 3 (Slc2a3), mRNA.	Mme-M300000381	ILMN_2616565	0	0
20528	Slc2a4	1.530	0.195	-0.055	1	0	0	1	0	0	NM_009204	solute carrier family 2 (facilitated glucose transporter), member 4 (Slc2a4), mRNA.	Mme-M200002952	ILMN_1222333	1	0
56485	Slc2a5	-0.101	0.029	0.024	0	0	0	0	0	0	NM_019741	solute carrier family 2 (facilitated glucose transporter), member 5 (Slc2a5), mRNA.	Mme-M200007497	ILMN_1218769	0	0
227659	Slc2a6	-0.031	0.043	0.021	0	0	0	0	0	0	NM_172659	solute carrier family 2 (facilitated glucose transporter), member 6 (Slc2a6), mRNA.	Mme-M300010226	ILMN_2618918	0	0
56017	Slc2a8	-0.066	-0.038	-0.188	0	0	0	0	0	0	NM_019488	solute carrier family 2, (facilitated glucose transporter), member 8 (Slc2a8), mRNA.	Mme-M200002505	ILMN_2664819	0	0
117591	Slc2a9	0.166	0.110	-0.132	0	0	0	0	0	0	NM_001012363	solute carrier family 2 (facilitated glucose transporter), member 9 (Slc2a9), transcript variant 2, mRNA.	Mme-M400004908	ILMN_3034820	0	0
22782	Slc30a1	0.005	-0.096	0.160	0	0	0	0	0	0	NM_009579	solute carrier family 30 (zinc transporter), member 1 (Slc30a1), mRNA.	Mme-M200002763	ILMN_1224883	0	0
226781	Slc30a10	-0.280	-0.120	0.079	0	0	0	0	0	0	NM_001033286	solute carrier family 30, member 10 (Slc30a10), mRNA.	Mme-M300005203	ILMN_1243252	0	0
22784	Slc30a3	0.467	0.520	-0.046	0	1	0	0	0	0	NM_011773	solute carrier family 30 (zinc transporter), member 3 (Slc30a3), mRNA.	Mme-M200000559	ILMN_2692938	0	0
22785	Slc30a4	0.204	-0.018	-0.077	0	0	0	0	0	0	NM_011774	solute carrier family 30 (zinc transporter), member 4 (Slc30a4), mRNA.	Mme-M300000720	ILMN_2679984	0	0
69048	Slc30a5	0.323	0.020	-0.126	0	0	0	0	0	0	NM_022885	solute carrier family 30 (zinc transporter), member 5 (Slc30a5), mRNA.	Mme-M400011414	ILMN_1221208	0	0
210148	Slc30a6	0.106	-0.035	-0.037	0	0	0	0	0	0	NM_144798	solute carrier family 30 (zinc transporter), member 6 (Slc30a6), mRNA.	Mme-M200014318	ILMN_2669128	0	0
66500	Slc30a7	0.164	0.177	-0.044	0	0	0	0	0	0	NM_023214	solute carrier family 30 (zinc transporter), member 7 (Slc30a7), mRNA.	Mme-M200006030	ILMN_2862418	0	0
239436	Slc30a8	-0.185	0.061	-0.086	0	0	0	0	0	0	NM_172816	solute carrier family 30 (zinc transporter), member 8 (Slc30a8), mRNA.	Mme-M300003210	ILMN_2686369	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
20529	Slc31a1	0.119	0.009	-0.181	0	0	0	0	0	0	NM_175090	solute carrier family 31, member 1 (Slc31a1), mRNA.	Mme-M400012279	ILMN_1254437	0	0
20530	Slc31a2	0.091	0.088	-0.029	0	0	0	0	0	0	NM_025286	solute carrier family 31, member 2 (Slc31a2), mRNA.	Mme-M400011469	ILMN_2634656	0	0
22348	Slc32a1	0.441	1.651	-0.232	0	1	0	0	1	0	NM_009508	solute carrier family 32 (GABA vesicular transporter), member 1 (Slc32a1), mRNA.	Mme-M200002547	ILMN_1234039	1	0
11416	Slc33a1	0.140	0.003	0.106	0	0	0	0	0	0	NM_015728	solute carrier family 33 (acetyl-CoA transporter), member 1 (Slc33a1), mRNA.	Mme-M200005051	ILMN_1222499	0	0
20505	Slc34a1	-0.095	-0.001	-0.048	0	0	0	0	0	0	NM_011392	solute carrier family 34 (sodium phosphate), member 1 (Slc34a1), mRNA.	Mme-M200006859	ILMN_2598639	0	0
20531	Slc34a2	0.266	-0.034	0.008	0	0	0	0	0	0	NM_011402	solute carrier family 34 (sodium phosphate), member 2 (Slc34a2), mRNA.	Mme-M200001453	ILMN_2699611	0	0
142681	Slc34a3	-0.159	-0.181	0.055	0	0	0	0	0	0	NM_080854	solute carrier family 34 (sodium phosphate), member 3 (Slc34a3), mRNA.	Mme-M300000813	ILMN_1258111	0	0
24060	Slc35a1	0.259	0.057	0.101	0	0	0	0	0	0	NM_011895	solute carrier family 35 (CMP-sialic acid transporter), member 1 (Slc35a1), mRNA.	Mme-M200004476	ILMN_1225654	0	0
22232	Slc35a2	-0.064	0.061	0.069	0	0	0	0	0	0	NM_078484	solute carrier family 35 (UDP-galactose transporter), member A2 (Slc35a2), transcript variant 1, mRNA.	Mme-M300007586	ILMN_2770278	0	0
229782	Slc35a3	0.101	-0.398	-0.101	0	0	0	0	0	0	NM_144902	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member 3 (Slc35a3), mRNA.	Mme-M400001047	ILMN_2974069	0	0
67843	Slc35a4	-0.141	0.162	0.173	0	0	0	0	0	0	NM_001083317	solute carrier family 35, member A4 (Slc35a4), transcript variant 2, mRNA.	Mme-M300008673	ILMN_2744758	0	0
74102	Slc35a5	0.305	0.033	-0.154	0	0	0	0	0	0	NM_028756	solute carrier family 35, member A5 (Slc35a5), mRNA.	Mme-M200007938	ILMN_2600043	0	0
110172	Slc35b1	0.229	-0.088	0.170	0	0	0	0	0	0	NM_016752	solute carrier family 35, member B1 (Slc35b1), mRNA.	Mme-M200001827	ILMN_2495289	0	0
73836	Slc35b2	0.076	-0.192	-0.240	0	0	0	0	0	0	NM_028662	solute carrier family 35, member B2 (Slc35b2), mRNA.	Mme-M200004134	ILMN_1246740	0	0
108652	Slc35b3	0.066	-0.059	0.130	0	0	0	0	0	0	NM_134060	solute carrier family 35, member B3 (Slc35b3), mRNA.	Mme-M200005423	ILMN_1246713	0	0
58246	Slc35b4	-0.053	-0.004	0.009	0	0	0	0	0	0	NM_021435	solute carrier family 35, member B4 (Slc35b4), mRNA.	Mme-M200009420	ILMN_2746425	0	0
228368	Slc35c1	-0.158	0.267	-0.087	0	0	0	0	0	0	NM_145832	solute carrier family 35, member C1 (Slc35c1), transcript variant 2, mRNA.	Mme-M300020639	ILMN_2675249	0	0
228875	Slc35c2	-0.042	0.161	-0.154	0	0	0	0	0	0	NM_144893	solute carrier family 35, member C2 (Slc35c2), mRNA.	Mme-M200004077	ILMN_2729374	0	0
242585	Slc35d1	-0.096	-0.030	-0.022	0	0	0	0	0	0	NM_177732	solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1 (Slc35d	Mme-M300006136	ILMN_2704855	0	0
70484	Slc35d2	0.018	-0.026	0.052	0	0	0	0	0	0	NM_001001321	solute carrier family 35, member D2 (Slc35d2), mRNA.	Mme-M300008596	ILMN_1234014	0	0
76157	Slc35d3	-0.224	0.032	0.044	0	0	0	0	0	0	NM_029529	solute carrier family 35, member D3 (Slc35d3), mRNA.	Mme-M200015374	ILMN_1216110	0	0
270066	Slc35e1	-0.275	0.000	0.004	0	0	0	0	0	0	NM_177766	solute carrier family 35, member E1 (Slc35e1), mRNA.	Mme-M300001809	ILMN_2752618	0	0
320541	Slc35e2	-0.133	-0.223	0.068	0	0	0	0	0	0	NM_177186	RIKEN cDNA A530082C11 gene (A530082C11Rik), mRNA.	Mme-M300013561	ILMN_2691832	0	0
215436	Slc35e3	-0.167	-0.087	0.057	0	0	0	0	0	0	NM_029875	solute carrier family 35, member E3 (Slc35e3), mRNA.	Mme-M300009043	ILMN_1225694	0	0
103710	Slc35e4	0.162	0.140	0.051	0	0	0	0	0	0	NM_153142	solute carrier family 35, member E4 (Slc35e4), mRNA.	Mme-M300019587	ILMN_1225229	0	0
215085	Slc35f1	0.060	-0.021	0.023	0	0	0	0	0	0	NM_178675	solute carrier family 35, member F1 (Slc35f1), mRNA.	Mme-M300011655	ILMN_2747211	0	0
72022	Slc35f2	0.012	0.034	0.044	0	0	0	0	0	0	NM_028060	solute carrier family 35, member F2 (Slc35f2), mRNA.	Mme-M300013554	ILMN_1234306	0	0
210027	Slc35f3	0.010	-0.108	0.344	0	0	1	0	0	0	NM_175434	solute carrier family 35, member F3 (Slc35f3), mRNA.	Mme-M300009065	ILMN_2698880	0	0
75288	Slc35f4	0.275	0.074	-0.163	0	0	0	0	0	0	NM_029238	solute carrier family 35, member F4 (Slc35f4), mRNA.	Mme-M400008933	ILMN_2807400	0	0
74919	Slc35f6	-0.184	0.126	0.014	0	0	0	0	0	0	NM_175675	RIKEN cDNA 4930471M23 gene (4930471M23Rik), mRNA.	Mme-M400010362	ILMN_2616180	0	0
240660	Slc35g1	0.342	-0.199	-0.092	0	0	0	0	0	0	NM_175507	transmembrane protein 20 (Tmem20), mRNA.	Mme-M300015074	ILMN_2470799	0	0
245020	Slc35g2	0.074	0.080	-0.045	0	0	0	0	0	0	NM_001101483	transmembrane protein 22 (Tmem22), mRNA.	Mme-M300016144	ILMN_1232065	0	0
56293	Slc35g3	-0.217	-0.006	0.016	0	0	0	0	0	0	NM_019871	acyl-malonyl condensing enzyme 1 (Amac1), mRNA.	Mme-M200002310	ILMN_1225521	0	0
215335	Slc36a1	-0.337	0.028	-0.067	0	0	0	0	0	0	NM_153139	solute carrier family 36 (proton/amino acid symporter), member 1 (Slc36a1), mRNA.	Mme-M300002098	ILMN_2591713	0	0
246049	Slc36a2	0.038	-0.065	-0.116	0	0	0	0	0	0	NM_153170	solute carrier family 36 (proton/amino acid symporter), member 2 (Slc36a2), mRNA.	Mme-M300002100	ILMN_2946410	0	0
215332	Slc36a3	-0.134	0.074	-0.033	0	0	0	0	0	0	NM_172258	solute carrier family 36 (proton/amino acid symporter), member 3 (Slc36a3), mRNA.	Mme-M300020239	ILMN_1254994	0	0
224674	Slc37a1	-0.212	0.082	-0.009	0	0	0	0	0	0	NM_153062	solute carrier family 37 (glycerol-3-phosphate transporter), member 1 (Slc37a1), mRNA.	Mme-M300003870	ILMN_1214066	0	0
56857	Slc37a2	0.006	0.059	0.036	0	0	0	0	0	0	NM_020258	solute carrier family 37 (glycerol-3-phosphate transporter), member 2 (Slc37a2), mRNA.	Mme-M200008608	ILMN_2751120	0	0
72144	Slc37a3	0.428	-0.082	-0.146	0	0	0	0	0	0	NM_028123	solute carrier family 37 (glycerol-3-phosphate transporter), member 3 (Slc37a3), mRNA.	Mme-M200003545	ILMN_2722497	0	0
14385	Slc37a4	0.061	-0.044	-0.069	0	0	0	0	0	0	NM_008063	solute carrier family 37 (glucose-6-phosphate transporter), member 4 (Slc37a4), mRNA.	Mme-M200006830	ILMN_2684307	0	0
105727	Slc38a1	0.156	-0.002	-0.019	0	0	0	0	0	0	NM_134086	solute carrier family 38, member 1 (Slc38a1), mRNA.	Mme-M200008542	ILMN_2736140	0	0
72055	Slc38a10	0.251	-0.097	-0.151	0	0	0	0	0	0	NM_024249	solute carrier family 38, member 10 (Slc38a10), mRNA.	Mme-M200012248	ILMN_2729743	0	0
320106	Slc38a11	-0.170	-0.031	0.055	0	0	0	0	0	0	NM_177074	solute carrier family 38, member 11 (Slc38a11), mRNA.	Mme-M300022150	ILMN_2480800	0	0
67760	Slc38a2	0.093	-0.199	0.189	0	0	0	0	0	0	NM_175121	solute carrier family 38, member 2 (Slc38a2), mRNA.	Mme-M300003304	ILMN_1244123	0	0
76257	Slc38a3	0.158	0.140	0.002	0	0	0	0	0	0	NM_023805	solute carrier family 38, member 3 (Slc38a3), mRNA.	Mme-M300001082	ILMN_2750089	0	0
69354	Slc38a4	0.136	-0.100	-0.079	0	0	0	0	0	0	NM_027052	solute carrier family 38, member 4 (Slc38a4), mRNA.	Mme-M200011951	ILMN_1215803	0	0
209837	Slc38a5	-0.153	-0.399	0.144	0	0	0	0	0	0	NM_172479	solute carrier family 38, member 5 (Slc38a5), mRNA.	Mme-M300007590	ILMN_2649773	0	0
625098	Slc38a6	-0.115	-0.064	0.117	0	0	0	0	0	0	XM_916892	PREDICTED: solute carrier family 38, member 6 (Slc38a6), mRNA.	Mme-M400002936	ILMN_1214469	0	0
234595	Slc38a7	-0.452	0.199	0.055	0	0	0	0	0	0	NM_172758	solute carrier family 38, member 7 (Slc38a7), mRNA.	Mme-M300010420	ILMN_2764549	0	0
234788	Slc38a8	0.059	-0.050	0.074	0	0	0	0	0	0	NM_001009950	solute carrier family 38, member 8 (Slc38a8), mRNA.	Mme-M400001664	ILMN_3161026	0	0
268706	Slc38a9	-0.130	0.027	-0.047	0	0	0	0	0	0	NM_178746	solute carrier family 38, member 9 (Slc38a9), mRNA.	Mme-M300018620	ILMN_1242435	0	0
30791	Slc39a1	0.303	-0.124	-0.059	0	0	0	0	0	0	NM_013901	solute carrier family 39 (zinc transporter), member 1 (Slc39a1), mRNA.	Mme-M400004073	ILMN_2616877	0	0
227059	Slc39a10	0.060	-0.009	0.116	0	0	0	0	0	0	NM_172653	solute carrier family 39 (zinc transporter), member 10 (Slc39a10), mRNA.	Mme-M300004873	ILMN_2708841	0	0
69806	Slc39a11	0.464	0.177	-0.103	0	0	0	0	0	0	NM_027216	solute carrier family 39 (metal ion transporter), member 11 (Slc39a11), mRNA.	Mme-M200012247	ILMN_2668706	0	0
277468	Slc39a12	-0.008	0.155	0.029	0	0	0	0	0	0	NM_001012305	solute carrier family 39 (zinc transporter), member 12 (Slc39a12), mRNA.	Mme-M400001958	ILMN_2933805	0	0
68427	Slc39a13	0.231	0.194	-0.272	0	0	0	0	0	0	NM_026721	solute carrier family 39 (metal ion transporter), member 13 (Slc39a13), mRNA.	Mme-M300000280	ILMN_2996732	0	0
106947	Slc39a3	0.168	-0.129	-0.097	0	0	0	0	0	0	NM_134135	solute carrier family 39 (zinc transporter), member 3 (Slc39a3), mRNA.	Mme-M200002248	ILMN_2977240	0	0
72027	Slc39a4	-0.378	-0.136	-0.019	0	0	0	0	0	0	NM_028064	solute carrier family 39 (zinc transporter), member 4 (Slc39a4), mRNA.	Mme-M200006502	ILMN_1226293	0	0
72002	Slc39a5	-0.262	0.103	-0.014	0	0	0	0	0	0	NM_028092	solute carrier family 39 (metal ion transporter), member 5 (Slc39a5), mRNA.	Mme-M300012419	ILMN_3071741	0	0
106957	Slc39a6	0.050	0.156	-0.073	0	0	0	0	0	0	NM_139143	solute carrier family 39 (metal ion transporter), member 6 (Slc39a6), mRNA.	Mme-M300004022	ILMN_2681516	0	0
14977	Slc39a7	0.326	0.072	-0.234	0	0	0	0	0	0	NM_001077709	solute carrier family 39 (zinc transporter), member 7 (Slc39a7), transcript variant 2, mRNA.	Mme-M200003637	ILMN_2603540	0	0
67547	Slc39a8	-0.160	-0.242	-0.023	0	0	0	0	0	0	NM_026228	solute carrier family 39 (metal ion transporter), member 8 (Slc39a8), mRNA.	Mme-M200006914	ILMN_2729683	0	0
328133	Slc39a9	-0.010	-0.076	0.101	0	0	0	0	0	0	XM_891220	PREDICTED: solute carrier family 39 (zinc transporter), member 9, transcript variant 2 (Slc39a9), mRNA.	Mme-M400003470	ILMN_2616772	0	0
20532	Slc3a1	-0.196	0.025	-0.067	0	0	0	0	0	0	NM_009205	solute carrier family 3, member 1 (Slc3a1), mRNA.	Mme-M300003932	ILMN_2684173	0	0
17254	Slc3a2	-0.207	-0.135	-0.016	0	0	0	0	0	0	NM_008577	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (Slc3a2), mRNA.	Mme-M200001598	ILMN_2595359	0	0
53945	Slc40a1	0.173	0.004	0.032	0	0	0	0	0	0	NM_016917	solute carrier family 40 (iron-regulated transporter), member 1 (Slc40a1), mRNA.	Mme-M300004878	ILMN_2747923	0	0
98396	Slc41a1	-0.240	-0.040	-0.021	0	0	0	0	0	0	NM_173865	solute carrier family 41, member 1 (Slc41a1), mRNA.	Mme-M300001215	ILMN_2617833	0	0
338365	Slc41a2	-0.329	-0.016	-0.030	0	0	0	0	0	0	NM_177388	solute carrier family 41, member 2 (Slc41a2), mRNA.	Mme-M300009435	ILMN_2588882	0	0
71699	Slc41a3	-0.435	0.201	-0.141	0	0	0	0	0	0	NM_001037493	solute carrier family 41, member 3 (Slc41a3), transcript variant 2, mRNA.	Mme-M300006996	ILMN_2647533	0	0
72401	Slc43a1	-0.293	0.197	0.022	0	0	0	0	0	0	NM_024497	solute carrier family 43, member 1 (Slc43a1), transcript variant 2, mRNA.	Mme-M200004491	ILMN_2495194	0	0
215113	Slc43a2	-0.132	-0.047	-0.037	0	0	0	0	0	0	NM_173388	solute carrier family 43, member 2 (Slc43a2), mRNA.	Mme-M300011392	ILMN_2749632	0	0
58207	Slc43a3	0.166	-0.032	0.027	0	0	0	0	0	0	NM_021398	solute carrier family 43, member 3 (Slc43a3), mRNA.	Mme-M200008829	ILMN_2687437	0	0
100434	Slc44a1	-0.030	-0.109	0.090	0	0	0	0	0	0	NM_133891	solute carrier family 44, member 1 (Slc44a1), mRNA.	Mme-M200006783	ILMN_1241827	0	0
68682	Slc44a2	0.012	0.276	-0.093	0	0	0	0	0	0	NM_152808	solute carrier family 44, member 2 (Slc44a2), mRNA.	Mme-M200009559	ILMN_2681601	0	0
213603	Slc44a3	0.094	-0.147	-0.004	0	0	0	0	0	0	NM_145394	solute carrier family 44, member 3 (Slc44a3), mRNA.	Mme-M200007310	ILMN_2642815	0	0
70129	Slc44a4	0.003	-0.059	-0.059	0	0	0	0	0	0	NM_023557	solute carrier family 44, member 4 (Slc44a4), mRNA.	Mme-M200012142	ILMN_2970023	0	0
242259	Slc44a5	-0.066	0.067	0.057	0	0	0	0	0	0	NM_001081263	solute carrier family 44, member 5 (Slc44a5), mRNA.	Mme-M300005992	ILMN_2529301	0	0
242773	Slc45a1	-0.032	0.283	-0.030	0	0	0	0	0	0	NM_173774	solute carrier family 45, member 1 (Slc45a1), mRNA.	Mme-M300012400	ILMN_3163567	0	0
22293	Slc45a2	-0.138	0.041	-0.078	0	0	0	0	0	0	NM_053077	solute carrier family 45, member 2 (Slc45a2), mRNA.	Mme-M200009223	ILMN_2616618	0	0
212980	Slc45a3	0.069	0.217	-0.039	0	0	0	0	0	0	NM_145977	solute carrier family 45, member 3 (Slc45a3), mRNA.	Mme-M300005106	ILMN_1218226	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
106068	Slc45a4	-0.273	0.069	-0.042	0	0	0	0	0	0	NM_001033219	solute carrier family 45, member 4 (Slc45a4), mRNA.	Mme-M300010481	ILMN_1225532	0	0
52466	Slc46a1	0.082	-0.052	-0.086	0	0	0	0	0	0	NM_026740	solute carrier family 46, member 1 (Slc46a1), mRNA.	Mme-M400011579	ILMN_2909275	0	0
30936	Slc46a2	-0.509	-0.002	0.098	0	0	0	0	0	0	NM_021053	solute carrier family 46, member 2 (Slc46a2), mRNA.	Mme-M200015101	ILMN_2446648	0	0
71706	Slc46a3	0.075	0.056	0.075	0	0	0	0	0	0	NM_027872	solute carrier family 46, member 3 (Slc46a3), mRNA.	Mme-M400011622	ILMN_2627733	0	0
67473	Slc47a1	0.028	-0.091	0.297	0	0	0	0	0	0	NM_026183	solute carrier family 47, member 1 (Slc47a1), mRNA.	Mme-M300001091	ILMN_2849016	0	0
67739	Slc48a1	0.026	-0.148	-0.037	0	0	0	0	0	0	NM_026353	RIKEN cDNA 4930570C03 gene (4930570C03Rik), mRNA.	Mme-M200006247	ILMN_2912471	0	0
20533	Slc4a1	0.340	0.761	0.550	0	1	1	0	1	1	NM_011403	solute carrier family 4 (anion exchanger), member 1 (Slc4a1), mRNA.	Mme-M200002508	ILMN_1227675	2	0
94229	Slc4a10	0.621	0.023	-0.106	0	0	0	0	0	0	NM_033552	solute carrier family 4, sodium bicarbonate cotransporter-like, member 10 (Slc4a10), mRNA.	Mme-M300005374	ILMN_2751473	0	0
269356	Slc4a11	-0.209	0.130	0.058	0	0	0	0	0	0	NM_001081162	solute carrier family 4, sodium bicarbonate transporter-like, member 11 (Slc4a11), mRNA.	Mme-M300011063	ILMN_1255284	0	0
20534	Slc4a1ap	-0.085	0.232	0.073	0	0	0	0	0	0	NM_009206	solute carrier family 4 (anion exchanger), member 1, adaptor protein (Slc4a1ap), mRNA.	Mme-M200002337	ILMN_2969435	0	0
20535	Slc4a2	0.063	-0.037	-0.050	0	0	0	0	0	0	NM_009207	solute carrier family 4 (anion exchanger), member 2 (Slc4a2), mRNA.	Mme-M200001821	ILMN_1239662	0	0
20536	Slc4a3	0.389	0.307	-0.136	0	0	0	0	0	0	NM_009208	solute carrier family 4 (anion exchanger), member 3 (Slc4a3), mRNA.	Mme-M300000829	ILMN_2782061	0	0
54403	Slc4a4	-0.105	-0.141	-0.037	0	0	0	0	0	0	NM_018760	solute carrier family 4 (anion exchanger), member 4 (Slc4a4), mRNA.	Mme-M200012003	ILMN_2776957	0	0
218756	Slc4a7	-0.466	0.051	-0.142	0	0	0	0	0	0	NM_001033270	solute carrier family 4, sodium bicarbonate cotransporter, member 7 (Slc4a7), mRNA.	Mme-M400000508	ILMN_2629601	0	0
59033	Slc4a8	-0.033	0.214	-0.096	0	0	0	0	0	0	NM_021530	solute carrier family 4 (anion exchanger), member 8 (Slc4a8), mRNA.	Mme-M200007685	ILMN_2514202	0	0
240215	Slc4a9	-0.700	0.123	0.004	-1	0	0	0	0	0	NM_172830	solute carrier family 4, sodium bicarbonate cotransporter, member 9 (Slc4a9), mRNA.	Mme-M300004166	ILMN_2727251	0	0
19729	Slc50a1	0.376	-0.164	0.087	0	0	0	0	0	0	NM_009057	recombination activating gene 1 activating protein 1 (Rag1ap1), mRNA.	Mme-M300005864	ILMN_2614486	0	0
106407	Slc51a	-0.036	-0.029	-0.068	0	0	0	0	0	0	NM_145932	organic solute transporter alpha (Osta), mRNA.	Mme-M300010050	ILMN_2746116	0	0
330962	Slc51b	-0.131	-0.034	0.031	0	0	0	0	0	0	NM_178933	organic solute transporter beta (Ostb), mRNA.	Mme-M400004619	ILMN_2610981	0	0
52710	Slc52a2	0.134	-0.114	-0.179	0	0	0	0	0	0	NM_029643	G protein-coupled receptor 172B (Gpr172b), mRNA.	Mme-M200006088	ILMN_2610954	0	0
69698	Slc52a3	0.192	-0.004	0.018	0	0	0	0	0	0	NM_027172	RIKEN cDNA 2310046K01 gene (2310046K01Rik), mRNA.	Mme-M200015852	ILMN_2675760	0	0
20537	Slc5a1	-0.471	-0.055	-0.030	0	0	0	0	0	0	NM_019810	solute carrier family 5 (sodium/glucose cotransporter), member 1 (Slc5a1), mRNA.	Mme-M300001120	ILMN_2715270	0	0
109342	Slc5a10	-0.190	-0.051	-0.041	0	0	0	0	0	0	NM_001033227	solute carrier family 5 (sodium/glucose cotransporter), member 10 (Slc5a10), mRNA.	Mme-M400002617	ILMN_1222016	0	0
233836	Slc5a11	-0.111	-0.033	0.127	0	0	0	0	0	0	NM_146198	solute carrier family 5 (sodium/glucose cotransporter), member 11 (Slc5a11), mRNA.	Mme-M200002281	ILMN_1215657	0	0
241612	Slc5a12	-0.295	0.071	-0.079	0	0	0	0	0	0	NM_001003915	solute carrier family 5 (sodium/glucose cotransporter), member 12 (Slc5a12), mRNA.	Mme-M300013279	ILMN_1242165	0	0
246787	Slc5a2	-0.028	-0.007	0.105	0	0	0	0	0	0	NM_133254	solute carrier family 5 (sodium/glucose cotransporter), member 2 (Slc5a2), mRNA.	Mme-M400001310	ILMN_1242535	0	0
53881	Slc5a3	-0.180	-0.081	0.054	0	0	0	0	0	0	NM_017391	solute carrier family 5 (inositol transporters), member 3 (Slc5a3), mRNA.	Mme-M400011285	ILMN_1233078	0	0
64452	Slc5a4a	-0.033	-0.034	0.170	0	0	0	0	0	0	NM_133184	solute carrier family 5, member 4a (Slc5a4a), mRNA.	Mme-M300002073	ILMN_2974664	0	0
64454	Slc5a4b	0.062	-0.066	0.053	0	0	0	0	0	0	NM_023219	solute carrier family 5 (neutral amino acid transporters, system A), member 4b (Slc5a4b), mRNA.	Mme-M300002070	ILMN_1216446	0	0
114479	Slc5a5	-0.103	-0.162	0.076	0	0	0	0	0	0	NM_053248	solute carrier family 5 (sodium iodide symporter), member 5 (Slc5a5), mRNA.	Mme-M300000120	ILMN_1250582	0	0
330064	Slc5a6	0.035	-0.495	0.030	0	-1	0	0	0	0	NM_177870	solute carrier family 5 (sodium-dependent vitamin transporter), member 6 (Slc5a6), mRNA.	Mme-M300000838	ILMN_1225056	0	0
63993	Slc5a7	-0.130	0.279	0.076	0	0	0	0	0	0	NM_022025	solute carrier family 5 (choline transporter), member 7 (Slc5a7), mRNA.	Mme-M200009819	ILMN_1243388	0	0
216225	Slc5a8	-0.316	-0.229	-0.113	0	0	0	0	0	0	NM_145423	solute carrier family 5 (iodide transporter), member 8 (Slc5a8), mRNA.	Mme-M400000356	ILMN_2739384	0	0
230612	Slc5a9	-0.109	-0.080	-0.070	0	0	0	0	0	0	NM_145551	solute carrier family 5 (sodium/glucose cotransporter), member 9 (Slc5a9), mRNA.	Mme-M300006149	ILMN_1242204	0	0
232333	Slc6a1	0.041	0.123	-0.155	0	0	0	0	0	0	NM_178703	solute carrier family 6 (neurotransmitter transporter, GABA), member 1 (Slc6a1), mRNA.	Mme-M300007130	ILMN_2905589	0	0
243616	Slc6a11	-0.106	0.461	0.075	0	1	0	0	0	0	NM_172890	solute carrier family 6 (neurotransmitter transporter, GABA), member 11 (Slc6a11), mRNA.	Mme-M300007126	ILMN_2752095	0	0
14411	Slc6a12	-0.198	-0.656	0.326	0	-1	1	0	-1	0	NM_133661	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12 (Slc6a12), mRNA.	Mme-M200004429	ILMN_1256644	0	1
14412	Slc6a13	-0.210	-0.386	0.064	0	0	0	0	0	0	NM_144512	solute carrier family 6 (neurotransmitter transporter, GABA), member 13 (Slc6a13), mRNA.	Mme-M200005069	ILMN_1212645	0	0
56774	Slc6a14	-0.007	0.004	0.008	0	0	0	0	0	0	NM_020049	solute carrier family 6 (neurotransmitter transporter), member 14 (Slc6a14), mRNA.	Mme-M200005193	ILMN_1248270	0	0
103098	Slc6a15	-0.133	0.069	-0.056	0	0	0	0	0	0	NM_175328	solute carrier family 6 (neurotransmitter transporter), member 15 (Slc6a15), mRNA.	Mme-M300001879	ILMN_1245258	0	0
381884	Slc6a16	-0.060	0.078	-0.029	0	0	0	0	0	0	XM_355900	PREDICTED: solute carrier family 6, member 16 (Slc6a16), mRNA.	Mme-M400006917	ILMN_1238830	0	0
229706	Slc6a17	0.300	0.138	-0.086	0	0	0	0	0	0	NM_172271	solute carrier family 6 (neurotransmitter transporter), member 17 (Slc6a17), mRNA.	Mme-M300005832	ILMN_2734160	0	0
74338	Slc6a19	0.034	0.158	-0.106	0	0	0	0	0	0	NM_028878	solute carrier family 6 (neurotransmitter transporter), member 19 (Slc6a19), mRNA.	Mme-M200004884	ILMN_3161159	0	0
20538	Slc6a2	0.131	-0.189	0.069	0	0	0	0	0	0	NM_009209	solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2 (Slc6a2), mRNA.	Mme-M300007873	ILMN_2669736	0	0
22599	Slc6a20b	-0.357	0.011	0.087	0	0	0	0	0	0	NM_011731	solute carrier family 6 (neurotransmitter transporter), member 20B (Slc6a20b), mRNA.	Mme-M200013807	ILMN_2720751	0	0
13162	Slc6a3	-0.402	0.123	0.052	0	0	0	0	0	0	NM_010020	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 (Slc6a3), mRNA.	Mme-M400000493	ILMN_2676852	0	0
15567	Slc6a4	0.069	0.294	-0.057	0	0	0	0	0	0	NM_010484	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4 (Slc6a4), mRNA.	Mme-M200001498	ILMN_2713714	0	0
104245	Slc6a5	0.017	0.016	0.089	0	0	0	0	0	0	NM_148931	solute carrier family 6 (neurotransmitter transporter, glycine), member 5 (Slc6a5), mRNA.	Mme-M300012333	ILMN_1249955	0	0
21366	Slc6a6	0.509	-0.097	0.020	0	0	0	0	0	0	NM_009320	solute carrier family 6 (neurotransmitter transporter, taurine), member 6 (Slc6a6), mRNA.	Mme-M300007001	ILMN_2641467	0	0
240332	Slc6a7	-0.089	0.340	-0.084	0	0	0	0	0	0	NM_201353	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (Slc6a7), mRNA.	Mme-M300004236	ILMN_1248672	0	0
14664	Slc6a9	-0.247	-0.208	-0.033	0	0	0	0	0	0	NM_008135	solute carrier family 6 (neurotransmitter transporter, glycine), member 9 (Slc6a9), mRNA.	Mme-M200001079	ILMN_2667384	0	0
11987	Slc7a1	0.042	-0.079	-0.020	0	0	0	0	0	0	NM_007513	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 (Slc7a1), mRNA.	Mme-M400016066	ILMN_2728091	0	0
53896	Slc7a10	0.353	0.517	-0.212	0	1	0	0	0	0	NM_017394	solute carrier family 7 (cationic amino acid transporter, y+ system), member 10 (Slc7a10), mRNA.	Mme-M200007769	ILMN_2705508	0	0
26570	Slc7a11	0.036	-0.852	0.308	0	-1	1	0	-1	0	NM_011990	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11 (Slc7a11), mRNA.	Mme-M200013849	ILMN_2948143	0	1
140918	Slc7a12	0.015	0.068	0.046	0	0	0	0	0	0	NM_080852	solute carrier family 7 (cationic amino acid transporter, y+ system), member 12 (Slc7a12), mRNA.	Mme-M400002288	ILMN_2633726	0	0
74087	Slc7a13	-0.144	-0.072	0.035	0	0	0	0	0	0	NM_028746	solute carrier family 7, (cationic amino acid transporter, y+ system) member 13 (Slc7a13), mRNA.	Mme-M200011766	ILMN_2708698	0	0
241919	Slc7a14	-0.114	-0.286	0.312	0	0	1	0	0	0	NM_172861	solute carrier family 7 (cationic amino acid transporter, y+ system), member 14 (Slc7a14), mRNA.	Mme-M400012248	ILMN_2719361	0	0
328059	Slc7a15	-0.081	-0.078	0.023	0	0	0	0	0	0	NM_177802	solute carrier family 7 (cationic amino acid transporter, y+ system), member 15 (Slc7a15), transcript variant 2, m	Mme-M300002266	ILMN_2665340	0	0
11988	Slc7a2	-0.286	0.031	-0.041	0	0	0	0	0	0	NM_007514	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 (Slc7a2), transcript variant 1, mRN	Mme-M400001389	ILMN_3038743	0	0
11989	Slc7a3	0.044	-0.107	0.052	0	0	0	0	0	0	NM_007515	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3 (Slc7a3), mRNA.	Mme-M200002173	ILMN_1212906	0	0
224022	Slc7a4	0.108	0.127	-0.192	0	0	0	0	0	0	NM_144852	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4 (Slc7a4), mRNA.	Mme-M200016179	ILMN_2639360	0	0
20539	Slc7a5	0.168	0.060	-0.122	0	0	0	0	0	0	NM_011404	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 (Slc7a5), mRNA.	Mme-M300012485	ILMN_2711948	0	0
330836	Slc7a6	-0.019	0.148	-0.098	0	0	0	0	0	0	NM_178798	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6 (Slc7a6), mRNA.	Mme-M300007971	ILMN_2557426	0	0
66432	Slc7a6os	-0.006	0.069	0.056	0	0	0	0	0	0	NM_001007567	solute carrier family 7, member 6 opposite strand (Slc7a6os), mRNA.	Mme-M200014516	ILMN_3162446	0	0
20540	Slc7a7	-0.146	-0.156	0.105	0	0	0	0	0	0	NM_011405	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7 (Slc7a7), mRNA.	Mme-M400000024	ILMN_2723826	0	0
50934	Slc7a8	0.277	0.141	-0.189	0	0	0	0	0	0	NM_016972	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8 (Slc7a8), mRNA.	Mme-M200005718	ILMN_2598877	0	0
30962	Slc7a9	-0.031	0.093	0.067	0	0	0	0	0	0	NM_021291	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9 (Slc7a9), mRNA.	Mme-M200014343	ILMN_2759963	0	0
20541	Slc8a1	0.473	0.166	0.050	0	0	0	0	0	0	NM_001112798	solute carrier family 8 (sodium/calcium exchanger), member 1 (Slc8a1), transcript variant B, mRNA.	Mme-M400011134	ILMN_2435965	0	0
110891	Slc8a2	0.326	0.094	0.048	0	0	0	0	0	0	NM_148946	solute carrier family 8 (sodium/calcium exchanger), member 2 (Slc8a2), mRNA.	Mme-M300007174	ILMN_2715429	0	0
110893	Slc8a3	-0.244	0.139	-0.113	0	0	0	0	0	0	NM_080440	solute carrier family 8 (sodium/calcium exchanger), member 3 (Slc8a3), mRNA.	Mme-M400004418	ILMN_2683554	0	0
170756	Slc8b1	-0.165	0.179	0.098	0	0	0	0	0	0	NM_133221	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6 (Slc24a6), mRNA.	Mme-M400011804	ILMN_2643377	0	0
20544	Slc9a1	0.269	-0.101	-0.040	0	0	0	0	0	0	NM_016981	solute carrier family 9 (sodium/hydrogen exchanger), member 1 (Slc9a1), mRNA.	Mme-M300006332	ILMN_2770471	0	0
226999	Slc9a2	0.077	-0.241	-0.004	0	0	0	0	0	0	NM_001033289	solute carrier family 9 (sodium/hydrogen exchanger), member 2 (Slc9a2), mRNA.	Mme-M300004919	ILMN_2729799	0	0
105243	Slc9a3	0.230	-0.034	-0.040	0	0	0	0	0	0	NM_001081060	solute carrier family 9 (sodium/hydrogen exchanger), member 3 (Slc9a3), mRNA.	Mme-M400009977	ILMN_2656595	0	0
26941	Slc9a3r1	0.179	0.150	0.068	0	0	0	0	0	0	NM_012030	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (Slc9a3r1), mRNA.	Mme-M200005726	ILMN_1240256	0	0
65962	Slc9a3r2	-0.398	0.046	-0.034	0	0	0	0	0	0	NM_023449	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2 (Slc9a3r2), transcript variant B, mRN	Mme-M400011440	ILMN_1218241	0	0
110895	Slc9a4	0.014	-0.109	0.087	0	0	0	0	0	0	NM_177084	solute carrier family 9 (sodium/hydrogen exchanger), member 4 (Slc9a4), mRNA.	Mme-M300004921	ILMN_2732246	0	0
277973	Slc9a5	-0.174	0.022	0.034	0	0	0	0	0	0	NM_001081332	solute carrier family 9 (sodium/hydrogen exchanger), member 5 (Slc9a5), mRNA.	Mme-M400000219	ILMN_1223654	0	0
236794	Slc9a6	-0.068	0.163	0.111	0	0	0	0	0	0	NM_172780	solute carrier family 9 (sodium/hydrogen exchanger), member 6 (Slc9a6), mRNA.	Mme-M300007572	ILMN_2617843	0	0
236727	Slc9a7	0.077	0.007	0.052	0	0	0	0	0	0	NM_177353	solute carrier family 9 (sodium/hydrogen exchanger), member 7 (Slc9a7), mRNA.	Mme-M300019711	ILMN_2675033	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
77031	Slc9a8	-0.194	0.270	0.055	0	0	0	0	0	0	NM_178371	solute carrier family 9 (sodium/hydrogen exchanger), member 8 (Slc9a8), transcript variant 2, mRNA.	Mme-M300012186	ILMN_1230339	0	0
331004	Slc9a9	-0.234	-0.092	0.047	0	0	0	0	0	0	NM_177909	solute carrier family 9 (sodium/hydrogen exchanger), member 9 (Slc9a9), mRNA.	Mme-M300013946	ILMN_2637113	0	0
97086	Slc9b2	-0.179	-0.279	0.148	0	0	0	0	0	0	NM_178877	Na+/H+ exchanger domain containing 2 (Nhedc2), mRNA.	Mme-M300011267	ILMN_1255047	0	0
208169	Slc9c1	-0.261	0.049	0.026	0	0	0	0	0	0	NM_198106	solute carrier family 9, member 10 (Slc9a10), mRNA.	Mme-M300008643	ILMN_2867343	0	0
28250	Slco1a4	0.167	-0.251	-0.055	0	0	0	0	0	0	NM_030687	solute carrier organic anion transporter family, member 1a4 (Slco1a4), mRNA.	Mme-M200008446	ILMN_1258323	0	0
108096	Slco1a5	0.074	-0.160	0.023	0	0	0	0	0	0	NM_130861	solute carrier organic anion transporter family, member 1a5 (Slco1a5), mRNA.	Mme-M300013304	ILMN_1255691	0	0
28254	Slco1a6	0.065	0.114	-0.054	0	0	0	0	0	0	NM_023718	solute carrier organic anion transporter family, member 1a6 (Slco1a6), mRNA.	Mme-M400004035	ILMN_1214065	0	0
28253	Slco1b2	-0.093	0.114	0.038	0	0	0	0	0	0	NM_020495	solute carrier organic anion transporter family, member 1b2 (Slco1b2), transcript variant 1, mRNA.	Mme-M200004776	ILMN_2730145	0	0
58807	Slco1c1	0.075	0.125	-0.085	0	0	0	0	0	0	NM_021471	solute carrier organic anion transporter family, member 1c1 (Slco1c1), mRNA.	Mme-M200009480	ILMN_1242173	0	0
24059	Slco2a1	-0.224	0.214	0.058	0	0	0	0	0	0	NM_033314	solute carrier organic anion transporter family, member 2a1 (Slco2a1), mRNA.	Mme-M400011737	ILMN_2961221	0	0
101488	Slco2b1	-0.036	-0.113	0.144	0	0	0	0	0	0	NM_175316	solute carrier organic anion transporter family, member 2b1 (Slco2b1), mRNA.	Mme-M300007391	ILMN_2619707	0	0
108116	Slco3a1	0.129	0.096	0.101	0	0	0	0	0	0	NM_023908	solute carrier organic anion transporter family, member 3a1 (Slco3a1), transcript variant 1, mRNA.	Mme-M200005118	ILMN_2663230	0	0
108115	Slco4a1	-0.300	-0.438	0.210	0	-1	0	0	0	0	NM_148933	solute carrier organic anion transporter family, member 4a1 (Slco4a1), mRNA.	Mme-M300011867	ILMN_2661340	0	0
67854	Slco6b1	-0.029	-0.019	0.059	0	0	0	0	0	0	NM_001039475	solute carrier organic anion transporter family, member 6b1 (Slco6b1), mRNA.	Mme-M400011562	ILMN_1259164	0	0
74441	Slco6c1	-0.093	-0.073	0.047	0	0	0	0	0	0	NM_028942	solute carrier organic anion transporter family, member 6c1 (Slco6c1), mRNA.	Mme-M200015057	ILMN_2672845	0	0
70866	Slco6d1	-0.054	0.045	0.050	0	0	0	0	0	0	XM_129964	PREDICTED: solute carrier organic anion transporter family, member 6d1, transcript variant 1 (Slco6d1), mRNA.	Mme-M300005055	ILMN_2693887	0	0
20555	Slfn1	0.055	0.569	0.177	0	1	0	0	1	0	NM_011407	schlafen 1 (Slfn1), mRNA.	Mme-M200003017	ILMN_2663930	1	0
237887	Slfn10-ps	-0.186	0.082	0.037	0	0	0	0	0	0	NM_181542	schlafen 10 (Slfn10), mRNA.	Mme-M300018375	ILMN_3060838	0	0
237890	Slfn14	0.020	-0.004	0.089	0	0	0	0	0	0	XM_894124	PREDICTED: schlafen family member 14 (Slfn14), mRNA.	Mme-M400005713	ILMN_1236661	0	0
20556	Slfn2	0.198	0.261	0.191	0	0	0	0	0	0	NM_011408	schlafen 2 (Slfn2), mRNA.	Mme-M200013885	ILMN_1219074	0	0
20557	Slfn3	-0.133	-0.064	-0.022	0	0	0	0	0	0	NM_011409	schlafen 3 (Slfn3), mRNA.	Mme-M200016303	ILMN_2908122	0	0
20558	Slfn4	-0.127	0.065	0.029	0	0	0	0	0	0	NM_011410	schlafen 4 (Slfn4), mRNA.	Mme-M200008025	ILMN_1222206	0	0
327978	Slfn5	0.108	0.029	0.025	0	0	0	0	0	0	NM_183201	schlafen 5 (Slfn5), mRNA.	Mme-M300001738	ILMN_2751361	0	0
276950	Slfn8	-0.036	-0.031	0.003	0	0	0	0	0	0	NM_181545	schlafen 8 (Slfn8), mRNA.	Mme-M400001770	ILMN_2596730	0	0
237886	Slfn9	0.166	0.068	-0.077	0	0	0	0	0	0	NM_172796	schlafen 9 (Slfn9), mRNA.	Mme-M400001771	ILMN_1249005	0	0
194219	Slfnl1	0.014	-0.043	0.066	0	0	0	0	0	0	NM_177570	schlafen like 1 (Slfnl1), mRNA.	Mme-M300018364	ILMN_1245376	0	0
380773	Slirp	0.294	0.181	0.184	0	0	0	0	0	0	NM_026958	RIKEN cDNA 1810035L17 gene (1810035L17Rik), mRNA.	Mme-M300002522	ILMN_1239860	0	0
20562	Slit1	-0.246	0.010	0.025	0	0	0	0	0	0	NM_015748	slit homolog 1 (Drosophila) (Slit1), mRNA.	Mme-M300004434	ILMN_1232213	0	0
20563	Slit2	0.436	0.045	0.020	0	0	0	0	0	0	NM_178804	slit homolog 2 (Drosophila) (Slit2), mRNA.	Mme-M200007611	ILMN_1253797	0	0
20564	Slit3	-0.166	0.150	-0.042	0	0	0	0	0	0	NM_011412	slit homolog 3 (Drosophila) (Slit3), mRNA.	Mme-M400005506	ILMN_2643545	0	0
76965	Slitrk1	0.028	0.172	-0.153	0	0	0	0	0	0	NM_199065	SLIT and NTRK-like family, member 1 (Slitrk1), mRNA.	Mme-M400003982	ILMN_2429238	0	0
245450	Slitrk2	-0.106	0.133	-0.046	0	0	0	0	0	0	NM_198863	SLIT and NTRK-like family, member 2 (Slitrk2), mRNA.	Mme-M300010536	ILMN_1219943	0	0
386750	Slitrk3	-0.088	-0.096	-0.136	0	0	0	0	0	0	NM_198864	SLIT and NTRK-like family, member 3 (Slitrk3), mRNA.	Mme-M400012590	ILMN_2884780	0	0
245446	Slitrk4	-0.293	-0.073	-0.105	0	0	0	0	0	0	NM_178740	SLIT and NTRK-like family, member 4 (Slitrk4), mRNA.	Mme-M300017587	ILMN_2715848	0	0
75409	Slitrk5	-0.375	-0.189	0.201	0	0	0	0	0	0	NM_198865	SLIT and NTRK-like family, member 5 (Slitrk5), mRNA.	Mme-M300008645	ILMN_3074109	0	0
239250	Slitrk6	-0.186	0.032	-0.188	0	0	0	0	0	0	NM_175499	SLIT and NTRK-like family, member 6 (Slitrk6), mRNA.	Mme-M300016795	ILMN_2620270	0	0
20874	Slk	0.188	-0.192	0.129	0	0	0	0	0	0	NM_009289	STE20-like kinase (yeast) (Slk), mRNA.	Mme-M200002584	ILMN_2888786	0	0
83997	Slmap	0.268	-0.309	-0.085	0	0	0	0	0	0	NM_032008	sarcolemma associated protein (Slmap), mRNA.	Mme-M200007892	ILMN_1249227	0	0
225655	Slmo1	-0.190	0.174	-0.087	0	0	0	0	0	0	NM_144867	slowmo homolog 1 (Drosophila) (Slmo1), mRNA.	Mme-M200009637	ILMN_2652270	0	0
66390	Slmo2	0.199	-0.119	-0.012	0	0	0	0	0	0	NM_025531	slowmo homolog 2 (Drosophila) (Slmo2), mRNA.	Mme-M200012076	ILMN_2754997	0	0
20568	Slpi	-0.238	-0.294	0.181	0	0	0	0	0	0	NM_011414	secretory leukocyte peptidase inhibitor (Slpi), mRNA.	Mme-M200000558	ILMN_1256817	0	0
66660	Sltm	0.141	-0.212	0.130	0	0	0	0	0	0	NM_025690	SAFB-like, transcription modulator (Sltm), transcript variant 1, mRNA.	Mme-M200013477	ILMN_1252121	0	0
193116	Slu7	0.262	-0.057	0.010	0	0	0	0	0	0	NM_198936	SLU7 splicing factor homolog (S. cerevisiae) (Slu7), transcript variant 2, mRNA.	Mme-M200005881	ILMN_2655273	0	0
57277	Slurp1	-0.361	-0.014	-0.060	0	0	0	0	0	0	NM_020519	secreted Ly6/Plaur domain containing 1 (Slurp1), mRNA.	Mme-M200005629	ILMN_2641816	0	0
75764	Slx1b	-0.452	-0.158	0.043	0	0	0	0	0	0	NM_029420	GIY-YIG domain containing 2 (Giyd2), mRNA.	Mme-M300007375	ILMN_1238519	0	0
52864	Slx4	0.041	-0.032	-0.105	0	0	0	0	0	0	NM_177472	BTB (POZ) domain containing 12 (Btbd12), mRNA.	Mme-M300012337	ILMN_2651526	0	0
74243	Slx4ip	-0.714	-0.058	0.081	-1	0	0	0	0	0	NM_028201	RIKEN cDNA 2210009G21 gene (2210009G21Rik), transcript variant 3, mRNA.	Mme-M200008828	ILMN_3151129	0	0
382301	Sly	0.004	0.032	0.173	0	0	0	0	0	0	NM_201530	Sycp3 like Y-linked (Sly), mRNA.	Mme-M400009759	ILMN_2783107	0	0
17125	Smad1	0.098	-0.083	-0.068	0	0	0	0	0	0	NM_008539	MAD homolog 1 (Drosophila) (Smad1), mRNA.	Mme-M200003364	ILMN_2953700	0	0
17126	Smad2	-0.122	-0.088	0.080	0	0	0	0	0	0	NM_010754	MAD homolog 2 (Drosophila) (Smad2), mRNA.	Mme-M200000880	ILMN_1228414	0	0
17127	Smad3	0.224	0.122	-0.114	0	0	0	0	0	0	NM_016769	MAD homolog 3 (Drosophila) (Smad3), mRNA.	Mme-M200002523	ILMN_2772582	0	0
17128	Smad4	0.082	-0.130	-0.018	0	0	0	0	0	0	NM_008540	MAD homolog 4 (Drosophila) (Smad4), mRNA.	Mme-M400000749	ILMN_2706631	0	0
17129	Smad5	0.015	-0.120	0.059	0	0	0	0	0	0	NM_008541	MAD homolog 5 (Drosophila) (Smad5), mRNA.	Mme-M200007451	ILMN_3155789	0	0
17130	Smad6	-0.364	-0.274	0.074	0	0	0	0	0	0	NM_008542	MAD homolog 6 (Drosophila) (Smad6), mRNA.	Mme-M200005760	ILMN_3008748	0	0
17131	Smad7	0.082	0.001	-0.056	0	0	0	0	0	0	NM_001042660	MAD homolog 7 (Drosophila) (Smad7), mRNA.	Mme-M200007568	ILMN_2759660	0	0
55994	Smad9	-0.343	-0.039	0.077	0	0	0	0	0	0	NM_019483	MAD homolog 9 (Drosophila) (Smad9), mRNA.	Mme-M300005783	ILMN_2772103	0	0
207818	Smagp	0.141	0.102	-0.122	0	0	0	0	0	0	NM_001033872	cDNA sequence BC004728 (BC004728), transcript variant 2, mRNA.	Mme-M400007755	ILMN_1247198	0	0
98366	Smap1	0.227	-0.250	-0.008	0	0	0	0	0	0	NM_028534	stromal membrane-associated protein 1 (Smap1), mRNA.	Mme-M200012659	ILMN_2596534	0	0
69780	Smap2	0.146	0.315	0.078	0	0	0	0	0	0	NM_133716	stromal membrane-associated GTPase-activating protein 2 (Smap2), mRNA.	Mme-M200009525	ILMN_3045152	0	0
93761	Smarca1	-0.029	-0.094	-0.155	0	0	0	0	0	0	NM_053123	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 (Smarca1),	Mme-M200015611	ILMN_1253650	0	0
67155	Smarca2	0.165	-0.146	-0.331	0	0	-1	0	0	0	NM_011416	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (Smarca2),	Mme-M300001077	ILMN_3075712	0	0
20586	Smarca4	0.219	-0.047	-0.143	0	0	0	0	0	0	NM_011417	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 (Smarca4),	Mme-M200012890	ILMN_2735792	0	0
93762	Smarca5	0.274	-0.257	0.198	0	0	0	0	0	0	NM_053124	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 (Smarca5),	Mme-M200009768	ILMN_2616801	0	0
13990	Smarcad1	0.039	0.028	-0.036	0	0	0	0	0	0	NM_007958	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H bo	Mme-M300006947	ILMN_1251870	0	0
54380	Smarcal1	-0.047	-0.060	-0.157	0	0	0	0	0	0	NM_018817	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1 (Smarcal1), mRNA	Mme-M200007876	ILMN_2843698	0	0
20587	Smarcb1	0.052	0.125	0.110	0	0	0	0	0	0	NM_011418	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 (Smarcb1),	Mme-M200005244	ILMN_1254840	0	0
20588	Smarcc1	-0.139	0.178	0.092	0	0	0	0	0	0	NM_009211	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 (Smarcc1),	Mme-M300008273	ILMN_2641613	0	0
68094	Smarcc2	0.045	0.095	-0.090	0	0	0	0	0	0	NM_198160	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2 (Smarcc2),	Mme-M300004601	ILMN_2598571	0	0
83797	Smarcd1	0.110	0.163	0.036	0	0	0	0	0	0	NM_031842	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 (Smarcd1),	Mme-M200002518	ILMN_2704467	0	0
83796	Smarcd2	0.218	-0.091	-0.048	0	0	0	0	0	0	NM_031878	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2 (Smarcd2),	Mme-M400000411	ILMN_1216116	0	0
66993	Smarcd3	0.085	0.123	-0.021	0	0	0	0	0	0	NM_025891	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (Smarcd3),	Mme-M200009308	ILMN_1248397	0	0
57376	Smarce1	0.001	0.121	0.125	0	0	0	0	0	0	NM_020618	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 (Smarce1),	Mme-M200005508	ILMN_2880246	0	0
24061	Smc1a	0.185	-0.149	-0.127	0	0	0	0	0	0	NM_019710	structural maintenance of chromosomes 1A (Smc1a), mRNA.	Mme-M200005272	ILMN_2610835	0	0
140557	Smc1b	-0.007	0.081	-0.079	0	0	0	0	0	0	NM_080470	structural maintenance of chromosomes 1B (Smc1b), mRNA.	Mme-M200012104	ILMN_2603908	0	0
14211	Smc2	0.259	-0.017	-0.070	0	0	0	0	0	0	NM_008017	structural maintenance of chromosomes 2 (Smc2), mRNA.	Mme-M200011830	ILMN_2689642	0	0
13006	Smc3	0.226	-0.206	-0.077	0	0	0	0	0	0	NM_007790	structural maintenace of chromosomes 3 (Smc3), mRNA.	Mme-M200003357	ILMN_2602761	0	0
70099	Smc4	0.255	0.018	0.022	0	0	0	0	0	0	NM_133786	structural maintenance of chromosomes 4 (Smc4), mRNA.	Mme-M300005776	ILMN_2709097	0	0
226026	Smc5	0.235	-0.121	0.138	0	0	0	0	0	0	NM_153808	structural maintenance of chromosomes 5 (Smc5), mRNA.	Mme-M300004385	ILMN_2695150	0	0
67241	Smc6	0.488	-0.094	0.121	0	0	0	0	0	0	NM_025695	structural maintenance of chromosomes 6 (Smc6), mRNA.	Mme-M300002270	ILMN_2728385	0	0
74355	Smchd1	0.183	-0.147	0.043	0	0	0	0	0	0	NM_028887	SMC hinge domain containing 1 (Smchd1), mRNA.	Mme-M400008467	ILMN_1242619	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
69576	Smco1	0.064	0.159	0.038	0	0	0	0	0	0	XM_001477664	PREDICTED: RIKEN cDNA 2310010M20 gene (2310010M20Rik), mRNA.	Mme-M200013288	ILMN_2759380	0	0
654818	Smco3	-0.153	-0.306	0.036	0	0	0	0	0	0	NM_001039558	RIKEN cDNA C030030A07 gene (C030030A07Rik), mRNA.	Mme-M300014372	ILMN_2555588	0	0
170748	Smco4	-0.252	-0.088	-0.134	0	0	0	0	0	0	NM_133214	cDNA sequence BC017612 (BC017612), mRNA.	Mme-M200015742	ILMN_2631514	0	0
17235	Smcp	-0.036	-0.034	0.037	0	0	0	0	0	0	NM_008574	sperm mitochondria-associated cysteine-rich protein (Smcp), nuclear gene encoding mitochondrial protein, mR	Mme-M200000197	ILMN_2623212	0	0
239555	Smcr7l	-0.431	-0.051	0.023	0	0	0	0	0	0	NM_178719	Smith-Magenis syndrome chromosome region, candidate 7-like (human) (Smcr7l), mRNA.	Mme-M300003267	ILMN_2940785	0	0
237782	Smcr8	-0.144	-0.018	-0.016	0	0	0	0	0	0	NM_175491	Smith-Magenis syndrome chromosome region, candidate 8 homolog (human) (Smcr8), transcript variant 2, mRN	Mme-M300020063	ILMN_3160398	0	0
69029	Smdt1	-0.001	0.074	-0.235	0	0	0	0	0	0	NM_026914	RIKEN cDNA 1500032L24 gene (1500032L24Rik), mRNA.	Mme-M200011939	ILMN_2648580	0	0
68734	Smek1	0.185	-0.129	0.104	0	0	0	0	0	0	NM_211355	SMEK homolog 1, suppressor of mek1 (Dictyostelium) (Smek1), mRNA.	Mme-M300013385	ILMN_3000456	0	0
104570	Smek2	0.175	-0.177	-0.070	0	0	0	0	0	0	NM_134034	SMEK homolog 2, suppressor of mek1 (Dictyostelium) (Smek2), mRNA.	Mme-M200012826	ILMN_1227704	0	0
233789	Smg1	0.118	0.260	0.119	0	0	0	0	0	0	NM_001031814	RIKEN cDNA 2610207I05 gene (2610207I05Rik), mRNA.	Mme-M400017458	ILMN_2930057	0	0
229512	Smg5	0.070	0.097	-0.136	0	0	0	0	0	0	NM_178246	Smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans) (Smg5), mRNA.	Mme-M300000189	ILMN_1232896	0	0
103677	Smg6	0.102	-0.138	-0.124	0	0	0	0	0	0	NM_001002764	Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans) (Smg6), mRNA.	Mme-M300011472	ILMN_3160556	0	0
226517	Smg7	0.022	0.351	-0.006	0	0	0	0	0	0	NM_001005507	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans) (Smg7), mRNA.	Mme-M400002668	ILMN_2953017	0	0
74133	Smg8	-0.391	0.049	0.034	0	0	0	0	0	0	NM_024262	RIKEN cDNA 1200011M11 gene (1200011M11Rik), mRNA.	Mme-M200004598	ILMN_2696126	0	0
71997	Smg9	0.113	-0.002	0.021	0	0	0	0	0	0	NM_028047	RIKEN cDNA 1500002O20 gene (1500002O20Rik), mRNA.	Mme-M200006734	ILMN_1228208	0	0
223809	Smgc	-0.139	0.098	0.080	0	0	0	0	0	0	NM_198927	submandibular gland protein C (Smgc), mRNA.	Mme-M300018144	ILMN_2775962	0	0
68859	Smim1	0.216	-0.226	-0.169	0	0	0	0	0	0	XR_035126	PREDICTED: RIKEN cDNA 1190007F08 gene (1190007F08Rik), misc RNA.	Mme-M400006618	ILMN_2893564	0	0
320237	Smim10l2a	0.056	-0.092	-0.205	0	0	0	0	0	0	XM_001472650	PREDICTED: RIKEN cDNA 6330419J24 gene (6330419J24Rik), mRNA.	Mme-M400010646	ILMN_1232801	0	0
68936	Smim11	0.383	0.204	-0.029	0	0	0	0	0	0	NM_138743	RIKEN cDNA 1190017O12 gene (1190017O12Rik), mRNA.	Mme-M400003958	ILMN_2795854	0	0
80284	Smim12	-0.124	0.194	0.019	0	0	0	0	0	0	NM_030252	cDNA sequence BC003266 (BC003266), mRNA.	Mme-M200009268	ILMN_1247245	0	0
68552	Smim14	0.195	-0.071	0.002	0	0	0	0	0	0	NM_133697	RIKEN cDNA 1110003E01 gene (1110003E01Rik), mRNA.	Mme-M200005634	ILMN_1225158	0	0
75616	Smim15	0.222	0.109	0.122	0	0	0	0	0	0	NM_001048250	RIKEN cDNA 2810008M24 gene (2810008M24Rik), mRNA.	Mme-M400005476	ILMN_2950721	0	0
102032	Smim19	0.142	-0.192	-0.021	0	0	0	0	0	0	NM_001012667	expressed sequence AI316807 (AI316807), mRNA.	Mme-M300007761	ILMN_3160963	0	0
106878	Smim3	0.200	-0.040	0.123	0	0	0	0	0	0	NM_134133	RIKEN cDNA 2010002N04 gene (2010002N04Rik), mRNA.	Mme-M200013719	ILMN_2706014	0	0
66818	Smim7	0.098	0.116	-0.002	0	0	0	0	0	0	NM_172396	RIKEN cDNA 9130011J15 gene (9130011J15Rik), mRNA.	Mme-M200004431	ILMN_2593484	0	0
66291	Smim8	-0.298	-0.189	0.110	0	0	0	0	0	0	NM_025471	RIKEN cDNA 1810030N24 gene (1810030N24Rik), mRNA.	Mme-M200005821	ILMN_1246756	0	0
20595	Smn1	0.313	-0.098	-0.086	0	0	0	0	0	0	NM_011420	survival motor neuron 1 (Smn1), mRNA.	Mme-M300002873	ILMN_1236796	0	0
76479	Smndc1	0.097	0.045	0.010	0	0	0	0	0	0	NM_172429	survival motor neuron domain containing 1 (Smndc1), mRNA.	Mme-M400000792	ILMN_2636192	0	0
319757	Smo	-0.036	0.069	0.092	0	0	0	0	0	0	NM_176996	smoothened homolog (Drosophila) (Smo), mRNA.	Mme-M200006414	ILMN_2741611	0	0
64075	Smoc1	0.325	-0.326	0.046	0	0	0	0	0	0	NM_022316	SPARC related modular calcium binding 1 (Smoc1), mRNA.	Mme-M200005632	ILMN_2567020	0	0
228608	Smox	0.084	0.141	-0.071	0	0	0	0	0	0	NM_145533	spermine oxidase (Smox), mRNA.	Mme-M200006642	ILMN_2597030	0	0
20597	Smpd1	0.203	0.017	-0.135	0	0	0	0	0	0	NM_011421	sphingomyelin phosphodiesterase 1, acid lysosomal (Smpd1), mRNA.	Mme-M200001847	ILMN_2868987	0	0
20598	Smpd2	0.079	0.052	-0.046	0	0	0	0	0	0	NM_009213	sphingomyelin phosphodiesterase 2, neutral (Smpd2), mRNA.	Mme-M200000344	ILMN_2867033	0	0
58994	Smpd3	0.205	-0.265	-0.004	0	0	0	0	0	0	NM_021491	sphingomyelin phosphodiesterase 3, neutral (Smpd3), mRNA.	Mme-M200009485	ILMN_2716389	0	0
77626	Smpd4	0.258	0.084	0.031	0	0	0	0	0	0	NM_029945	sphingomyelin phosphodiesterase 4 (Smpd4), mRNA.	Mme-M200007629	ILMN_1212993	0	0
57319	Smpdl3a	0.365	0.077	0.168	0	0	0	0	0	0	NM_020561	sphingomyelin phosphodiesterase, acid-like 3A (Smpdl3a), mRNA.	Mme-M200000893	ILMN_1224116	0	0
100340	Smpdl3b	0.060	0.079	0.090	0	0	0	0	0	0	NM_133888	sphingomyelin phosphodiesterase, acid-like 3B (Smpdl3b), mRNA.	Mme-M200003538	ILMN_2602938	0	0
66106	Smpx	1.075	0.056	0.125	1	0	0	1	0	0	NM_025357	small muscle protein, X-linked (Smpx), mRNA.	Mme-M200009295	ILMN_2591308	1	0
20599	Smr3a	0.077	-0.073	-0.064	0	0	0	0	0	0	NM_011422	submaxillary gland androgen regulated protein 3A (Smr3a), mRNA.	Mme-M400001156	ILMN_3125207	0	0
20603	Sms	-0.018	-0.180	0.170	0	0	0	0	0	0	NM_009214	spermine synthase (Sms), mRNA.	Mme-M200003660	ILMN_1217489	0	0
29856	Smtn	-0.161	0.136	0.050	0	0	0	0	0	0	NM_013870	smoothelin (Smtn), mRNA.	Mme-M200007901	ILMN_2621581	0	0
68678	Smtnl1	0.597	0.265	-0.093	0	0	0	0	0	0	NM_024230	smoothelin-like 1 (Smtnl1), mRNA.	Mme-M200007370	ILMN_2774281	0	0
276829	Smtnl2	0.517	0.200	-0.137	0	0	0	0	0	0	NM_177776	smoothelin-like 2 (Smtnl2), mRNA.	Mme-M300016598	ILMN_2723293	0	0
74255	Smu1	0.198	0.140	-0.051	0	0	0	0	0	0	NM_021535	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans) (Smu1), mRNA.	Mme-M300006080	ILMN_2639454	0	0
71726	Smug1	-0.269	0.038	0.116	0	0	0	0	0	0	NM_027885	single-strand selective monofunctional uracil DNA glycosylase (Smug1), mRNA.	Mme-M400001871	ILMN_2620520	0	0
75788	Smurf1	-0.030	0.038	0.053	0	0	0	0	0	0	NM_029438	SMAD specific E3 ubiquitin protein ligase 1 (Smurf1), transcript variant 2, mRNA.	Mme-M200005677	ILMN_2772256	0	0
66313	Smurf2	0.028	-0.198	0.062	0	0	0	0	0	0	NM_025481	SMAD specific E3 ubiquitin protein ligase 2 (Smurf2), mRNA.	Mme-M200014324	ILMN_3163529	0	0
12180	Smyd1	0.973	-0.002	-0.104	1	0	0	1	0	0	NM_009762	SET and MYND domain containing 1 (Smyd1), mRNA.	Mme-M400005021	ILMN_2647605	1	0
226830	Smyd2	0.278	0.220	0.086	0	0	0	0	0	0	NM_026796	SET and MYND domain containing 2 (Smyd2), mRNA.	Mme-M200009885	ILMN_2957161	0	0
69726	Smyd3	0.098	0.101	-0.072	0	0	0	0	0	0	NM_027188	SET and MYND domain containing 3 (Smyd3), mRNA.	Mme-M400005033	ILMN_1231094	0	0
319822	Smyd4	0.217	-0.244	-0.078	0	0	0	0	0	0	NM_001102611	SET and MYND domain containing 4 (Smyd4), mRNA.	Mme-M300001728	ILMN_2620603	0	0
232187	Smyd5	0.083	0.215	-0.046	0	0	0	0	0	0	NM_144918	SET and MYND domain containing 5 (Smyd5), mRNA.	Mme-M200000432	ILMN_2698652	0	0
20613	Snai1	0.255	-0.136	0.106	0	0	0	0	0	0	NM_011427	snail homolog 1 (Drosophila) (Snai1), mRNA.	Mme-M200000798	ILMN_1241355	0	0
20583	Snai2	0.656	0.179	-0.010	1	0	0	0	0	0	NM_011415	snail homolog 2 (Drosophila) (Snai2), mRNA.	Mme-M200001665	ILMN_2647563	0	0
30927	Snai3	0.096	0.048	-0.084	0	0	0	0	0	0	NM_013914	snail homolog 3 (Drosophila) (Snai3), mRNA.	Mme-M200008586	ILMN_1239726	0	0
20619	Snap23	0.274	0.093	0.097	0	0	0	0	0	0	NM_009222	synaptosomal-associated protein 23 (Snap23), mRNA.	Mme-M200006889	ILMN_1217275	0	0
20614	Snap25	-0.169	-0.009	-0.009	0	0	0	0	0	0	NM_011428	synaptosomal-associated protein 25 (Snap25), mRNA.	Mme-M300005546	ILMN_1231105	0	0
67474	Snap29	0.409	-0.072	0.158	0	0	0	0	0	0	NM_023348	synaptosomal-associated protein 29 (Snap29), mRNA.	Mme-M200015836	ILMN_2730767	0	0
67826	Snap47	0.148	0.176	-0.093	0	0	0	0	0	0	NM_144521	RIKEN cDNA 1110031B06 gene (1110031B06Rik), mRNA.	Mme-M300001071	ILMN_2710151	0	0
20616	Snap91	-0.134	0.149	-0.167	0	0	0	0	0	0	NM_013669	synaptosomal-associated protein 91 (Snap91), mRNA.	Mme-M300008768	ILMN_2597032	0	0
75627	Snapc1	0.079	0.006	-0.010	0	0	0	0	0	0	NM_178392	small nuclear RNA activating complex, polypeptide 1 (Snapc1), mRNA.	Mme-M200005223	ILMN_2745849	0	0
102209	Snapc2	-0.010	0.010	-0.065	0	0	0	0	0	0	NM_133968	small nuclear RNA activating complex, polypeptide 2 (Snapc2), mRNA.	Mme-M300001157	ILMN_1215174	0	0
77634	Snapc3	0.323	0.169	0.018	0	0	0	0	0	0	NM_029949	small nuclear RNA activating complex, polypeptide 3 (Snapc3), mRNA.	Mme-M300006114	ILMN_1214738	0	0
227644	Snapc4	0.019	0.056	-0.163	0	0	0	0	0	0	NM_172339	small nuclear RNA activating complex, polypeptide 4 (Snapc4), mRNA.	Mme-M300010306	ILMN_2675433	0	0
330959	Snapc5	0.151	0.087	-0.027	0	0	0	0	0	0	NM_183316	small nuclear RNA activating complex, polypeptide 5 (Snapc5), mRNA.	Mme-M200004778	ILMN_2753356	0	0
20615	Snapin	0.052	-0.061	-0.164	0	0	0	0	0	0	NM_133854	SNAP-associated protein (Snapin), mRNA.	Mme-M400000026	ILMN_2594943	0	0
20617	Snca	0.521	0.401	-0.071	0	0	0	0	0	0	NM_009221	synuclein, alpha (Snca), transcript variant 2, mRNA.	Mme-M300004832	ILMN_3059393	0	0
67847	Sncaip	0.055	-0.127	0.016	0	0	0	0	0	0	NM_026408	synuclein, alpha interacting protein (synphilin) (Sncaip), mRNA.	Mme-M300004195	ILMN_2766559	0	0
104069	Sncb	0.048	0.260	-0.017	0	0	0	0	0	0	NM_033610	synuclein, beta (Sncb), mRNA.	Mme-M300009601	ILMN_2724044	0	0
20618	Sncg	0.012	0.058	-0.045	0	0	0	0	0	0	NM_011430	synuclein, gamma (Sncg), mRNA.	Mme-M200004329	ILMN_2598478	0	0
56463	Snd1	0.240	0.176	-0.112	0	0	0	0	0	0	NM_019776	staphylococcal nuclease and tudor domain containing 1 (Snd1), mRNA.	Mme-M200006678	ILMN_2440803	0	0
208777	Sned1	-0.329	-0.024	-0.026	0	0	0	0	0	0	NM_172463	sushi, nidogen and EGF-like domains 1 (Sned1), mRNA.	Mme-M300009167	ILMN_2772334	0	0
27681	Snf8	-0.114	-0.033	-0.072	0	0	0	0	0	0	NM_033568	SNF8, ESCRT-II complex subunit, homolog (S. cerevisiae) (Snf8), mRNA.	Mme-M300000753	ILMN_2683414	0	0
69434	Snhg10	0.262	0.022	-0.123	0	0	0	0	0	0	NR_003145	small nucleolar RNA host gene (non-protein coding) 10 (Snhg10) on chromosome 12.	Mme-M400013162	ILMN_1220023	0	0
319317	Snhg11	-0.110	0.286	0.193	0	0	0	0	0	0	NM_175692	RIKEN cDNA A930034L06 gene (A930034L06Rik), mRNA.	Mme-M400002887	ILMN_2952098	0	0
72655	Snhg5	0.333	0.170	0.093	0	0	0	0	0	0	XM_925560	PREDICTED: RIKEN cDNA 2810026P18 gene (2810026P18Rik), mRNA.	Mme-M200004221	ILMN_2513173	0	0
76793	Snip1	-0.106	0.038	-0.048	0	0	0	0	0	0	NM_175246	Smad nuclear interacting protein 1 (Snip1), mRNA.	Mme-M300020922	ILMN_2704199	0	0
20621	Snn	-0.127	-0.104	-0.164	0	0	0	0	0	0	NM_009223	stannin (Snn), mRNA.	Mme-M400002081	ILMN_2724167	0	0
241727	Snph	-0.229	0.034	-0.094	0	0	0	0	0	0	NM_198214	syntaphilin (Snph), mRNA.	Mme-M300005649	ILMN_1234340	0	0
20623	Snrk	0.085	-0.218	-0.054	0	0	0	0	0	0	NM_133741	SNF related kinase (Snrk), mRNA.	Mme-M200012902	ILMN_2758920	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
320632	Snrnp200	0.056	0.063	0.136	0	0	0	0	0	0	NM_177214	activating signal cointegrator 1 complex subunit 3-like 1 (Ascc3l1), mRNA.	Mme-M300000459	ILMN_2741899	0	0
78372	Snrnp25	-0.083	0.150	-0.202	0	0	0	0	0	0	NM_030093	RIKEN cDNA 3300001G02 gene (3300001G02Rik), mRNA.	Mme-M200006744	ILMN_2990229	0	0
66618	Snrnp27	0.294	0.058	0.128	0	0	0	0	0	0	NM_025665	RIKEN cDNA 2610209M04 gene (2610209M04Rik), mRNA.	Mme-M200012100	ILMN_2860750	0	0
76167	Snrnp35	0.293	-0.028	-0.150	0	0	0	0	0	0	NM_029532	RIKEN cDNA 6330548G22 gene (6330548G22Rik), mRNA.	Mme-M200009853	ILMN_2935389	0	0
66585	Snrnp40	0.162	0.028	-0.046	0	0	0	0	0	0	NM_025645	WD repeat domain 57 (U5 snRNP specific) (Wdr57), mRNA.	Mme-M300006282	ILMN_2652961	0	0
67797	Snrnp48	0.198	-0.065	0.169	0	0	0	0	0	0	NM_026382	RIKEN cDNA 6530403A03 gene (6530403A03Rik), mRNA.	Mme-M200014563	ILMN_1241380	0	0
20637	Snrnp70	0.077	0.149	-0.053	0	0	0	0	0	0	NM_009224	U1 small nuclear ribonucleoprotein polypeptide A (Snrp70), mRNA.	Mme-M200009365	ILMN_2670959	0	0
53607	Snrpa	-0.042	0.067	-0.066	0	0	0	0	0	0	NM_001046637	small nuclear ribonucleoprotein polypeptide A (Snrpa), transcript variant 2, mRNA.	Mme-M200001851	ILMN_2667509	0	0
68981	Snrpa1	0.259	0.138	0.073	0	0	0	0	0	0	NM_021336	small nuclear ribonucleoprotein polypeptide A' (Snrpa1), mRNA.	Mme-M200000290	ILMN_2732827	0	0
20638	Snrpb	0.075	0.088	-0.116	0	0	0	0	0	0	NM_009225	small nuclear ribonucleoprotein B (Snrpb), mRNA.	Mme-M300005627	ILMN_1223667	0	0
20639	Snrpb2	-0.082	0.046	-0.052	0	0	0	0	0	0	NM_021335	U2 small nuclear ribonucleoprotein B (Snrpb2), mRNA.	Mme-M400011381	ILMN_1242348	0	0
20630	Snrpc	0.189	-0.006	-0.069	0	0	0	0	0	0	NM_011432	U1 small nuclear ribonucleoprotein C (Snrpc), mRNA.	Mme-M300003998	ILMN_1251890	0	0
20641	Snrpd1	0.122	0.193	0.002	0	0	0	0	0	0	NM_009226	small nuclear ribonucleoprotein D1 (Snrpd1), mRNA.	Mme-M200000212	ILMN_2610105	0	0
107686	Snrpd2	-0.032	0.119	-0.347	0	0	-1	0	0	0	NM_026943	small nuclear ribonucleoprotein D2 (Snrpd2), mRNA.	Mme-M400002440	ILMN_2612635	0	0
67332	Snrpd3	0.143	0.173	-0.007	0	0	0	0	0	0	NM_026095	small nuclear ribonucleoprotein D3 (Snrpd3), mRNA.	Mme-M300002049	ILMN_1244776	0	0
20643	Snrpe	0.337	0.050	-0.034	0	0	0	0	0	0	NM_009227	small nuclear ribonucleoprotein E (Snrpe), mRNA.	Mme-M400010908	ILMN_2727618	0	0
69878	Snrpf	-0.008	0.088	-0.090	0	0	0	0	0	0	XM_892627	PREDICTED: small nuclear ribonucleoprotein polypeptide F (Snrpf), mRNA.	Mme-M400000355	ILMN_2449985	0	0
68011	Snrpg	0.243	0.164	-0.012	0	0	0	0	0	0	NM_026506	small nuclear ribonucleoprotein polypeptide G (Snrpg), mRNA.	Mme-M400003504	ILMN_2742647	0	0
20646	Snrpn	0.027	0.255	0.033	0	0	0	0	0	0	NM_013670	small nuclear ribonucleoprotein N (Snrpn), transcript variant 1, mRNA.	Mme-M300000134	ILMN_1247894	0	0
20648	Snta1	0.373	-0.107	-0.206	0	0	0	0	0	0	NM_009228	syntrophin, acidic 1 (Snta1), mRNA.	Mme-M200000625	ILMN_2734142	0	0
20649	Sntb1	-0.240	-0.055	0.023	0	0	0	0	0	0	NM_016667	syntrophin, basic 1 (Sntb1), mRNA.	Mme-M400007359	ILMN_2735938	0	0
20650	Sntb2	0.209	-0.389	0.155	0	0	0	0	0	0	NM_009229	syntrophin, basic 2 (Sntb2), mRNA.	Mme-M200006908	ILMN_2692942	0	0
268534	Sntg2	-0.211	0.082	-0.040	0	0	0	0	0	0	NM_172951	syntrophin, gamma 2 (Sntg2), mRNA.	Mme-M300002317	ILMN_2985548	0	0
218739	Sntn	-0.075	0.015	-0.108	0	0	0	0	0	0	NM_177624	RIKEN cDNA A430083B19 gene (A430083B19Rik), mRNA.	Mme-M300015767	ILMN_1240287	0	0
66069	Snupn	0.053	0.063	-0.107	0	0	0	0	0	0	NM_178374	snurportin 1 (Snupn), mRNA.	Mme-M400005131	ILMN_2670415	0	0
66354	Snw1	0.096	0.079	0.019	0	0	0	0	0	0	NM_025507	SNW domain containing 1 (Snw1), mRNA.	Mme-M200005415	ILMN_2756618	0	0
56440	Snx1	0.123	-0.131	0.019	0	0	0	0	0	0	NM_019727	sorting nexin 1 (Snx1), mRNA.	Mme-M200006311	ILMN_2605465	0	0
74479	Snx11	-0.061	-0.112	-0.127	0	0	0	0	0	0	NM_028965	sorting nexin 11 (Snx11), mRNA.	Mme-M200005280	ILMN_2674752	0	0
55988	Snx12	-0.080	0.077	-0.039	0	0	0	0	0	0	NM_018875	sorting nexin 12 (Snx12), transcript variant 3, mRNA.	Mme-M200002970	ILMN_2708440	0	0
217463	Snx13	-0.058	-0.289	0.167	0	0	0	0	0	0	NM_001014973	sorting nexin 13 (Snx13), mRNA.	Mme-M300002258	ILMN_1240380	0	0
244962	Snx14	0.204	-0.122	0.134	0	0	0	0	0	0	NM_172926	sorting nexin 14 (Snx14), mRNA.	Mme-M300008253	ILMN_1236312	0	0
69024	Snx15	0.007	-0.079	-0.087	0	0	0	0	0	0	NM_026912	sorting nexin 15 (Snx15), mRNA.	Mme-M200011997	ILMN_2740337	0	0
266781	Snx17	0.245	0.044	-0.110	0	0	0	0	0	0	NM_153680	sorting nexin 17 (Snx17), mRNA.	Mme-M300006517	ILMN_2694926	0	0
170625	Snx18	-0.151	0.067	0.082	0	0	0	0	0	0	NM_130796	sorting nexin 18 (Snx18), mRNA.	Mme-M400002615	ILMN_2597886	0	0
102607	Snx19	-0.075	0.084	-0.090	0	0	0	0	0	0	NM_028874	sorting nexin 19 (Snx19), mRNA.	Mme-M200007707	ILMN_2691536	0	0
67804	Snx2	0.148	0.107	0.058	0	0	0	0	0	0	NM_026386	sorting nexin 2 (Snx2), mRNA.	Mme-M200006753	ILMN_2664491	0	0
71607	Snx20	0.111	0.193	0.111	0	0	0	0	0	0	NM_027840	sorting nexin 20 (Snx20), mRNA.	Mme-M400001397	ILMN_1239963	0	0
101113	Snx21	-0.152	0.064	-0.194	0	0	0	0	0	0	NM_133924	sorting nexin family member 21 (Snx21), mRNA.	Mme-M300021071	ILMN_2491804	0	0
382083	Snx22	-0.325	0.156	0.056	0	0	0	0	0	0	NM_001025612	sorting nexin 22 (Snx22), mRNA.	Mme-M300012179	ILMN_1236273	0	0
69226	Snx24	-0.062	-0.097	0.165	0	0	0	0	0	0	NM_029394	sorting nexing 24 (Snx24), mRNA.	Mme-M200007220	ILMN_2623064	0	0
102141	Snx25	-0.127	-0.164	-0.074	0	0	0	0	0	0	NM_207213	sorting nexin 25 (Snx25), mRNA.	Mme-M300020583	ILMN_2690107	0	0
76742	Snx27	0.021	0.135	-0.109	0	0	0	0	0	0	NM_029721	sorting nexin family member 27 (Snx27), transcript variant 2, mRNA.	Mme-M400001064	ILMN_1253259	0	0
74478	Snx29	-0.410	-0.147	-0.037	0	0	0	0	0	0	NM_028964	sorting nexin 29 (Snx29), mRNA.	Mme-M400004926	ILMN_1222361	0	0
54198	Snx3	0.053	-0.122	0.084	0	0	0	0	0	0	NM_017472	sorting nexin 3 (Snx3), mRNA.	Mme-M200002532	ILMN_1241268	0	0
209131	Snx30	0.199	-0.274	-0.056	0	0	0	0	0	0	NM_172468	sorting nexin family member 30 (Snx30), mRNA.	Mme-M400017865	ILMN_2705578	0	0
66696	Snx31	-0.259	0.048	-0.066	0	0	0	0	0	0	NM_025712	sorting nexin 31 (Snx31), mRNA.	Mme-M400014775	ILMN_2671550	0	0
225861	Snx32	-0.131	0.047	-0.113	0	0	0	0	0	0	NM_001024560	sorting nexin 32 (Snx32), mRNA.	Mme-M400005426	ILMN_3007020	0	0
235406	Snx33	-0.151	0.085	-0.090	0	0	0	0	0	0	NM_175483	sorting nexin 33 (Snx33), mRNA.	Mme-M300008405	ILMN_1212693	0	0
69150	Snx4	-0.040	0.099	-0.036	0	0	0	0	0	0	NM_080557	sorting nexin 4 (Snx4), mRNA.	Mme-M200005877	ILMN_3162089	0	0
69178	Snx5	0.355	0.007	0.124	0	0	0	0	0	0	NM_024225	sorting nexin 5 (Snx5), mRNA.	Mme-M200003955	ILMN_2706101	0	0
72183	Snx6	-0.113	0.095	-0.061	0	0	0	0	0	0	NM_026998	sorting nexin 6 (Snx6), mRNA.	Mme-M300000705	ILMN_2896582	0	0
76561	Snx7	-0.505	-0.124	0.106	0	0	0	0	0	0	NM_029655	sorting nexin 7 (Snx7), mRNA.	Mme-M200007424	ILMN_2760244	0	0
231834	Snx8	-0.207	-0.197	-0.009	0	0	0	0	0	0	NM_172277	sorting nexin 8 (Snx8), mRNA.	Mme-M300006737	ILMN_2671671	0	0
66616	Snx9	-0.005	-0.071	0.154	0	0	0	0	0	0	NM_025664	sorting nexin 9 (Snx9), mRNA.	Mme-M200016000	ILMN_1231181	0	0
20652	Soat1	0.172	0.239	0.078	0	0	0	0	0	0	NM_009230	sterol O-acyltransferase 1 (Soat1), mRNA.	Mme-M300005193	ILMN_2419998	0	0
223920	Soat2	-0.265	0.121	-0.139	0	0	0	0	0	0	NM_146064	sterol O-acyltransferase 2 (Soat2), mRNA.	Mme-M200014945	ILMN_2811886	0	0
109205	Sobp	0.411	-0.219	-0.148	0	0	0	0	0	0	NM_175407	sine oculis-binding protein homolog (Drosophila) (Sobp), mRNA.	Mme-M400015063	ILMN_2489448	0	0
12703	Socs1	0.719	0.176	0.014	1	0	0	0	0	0	NM_009896	suppressor of cytokine signaling 1 (Socs1), mRNA.	Mme-M200000042	ILMN_2634796	0	0
216233	Socs2	0.133	-0.178	0.581	0	0	1	0	0	1	NM_007706	suppressor of cytokine signaling 2 (Socs2), mRNA.	Mme-M200001605	ILMN_2628178	1	0
12702	Socs3	-0.071	0.470	0.123	0	1	0	0	0	0	NM_007707	suppressor of cytokine signaling 3 (Socs3), mRNA.	Mme-M200001348	ILMN_2618176	0	0
67296	Socs4	0.027	0.217	0.033	0	0	0	0	0	0	NM_080843	suppressor of cytokine signaling 4 (Socs4), mRNA.	Mme-M200003022	ILMN_1249426	0	0
56468	Socs5	-0.115	0.109	0.136	0	0	0	0	0	0	NM_019654	suppressor of cytokine signaling 5 (Socs5), mRNA.	Mme-M200007914	ILMN_1240346	0	0
54607	Socs6	-0.204	-0.036	0.085	0	0	0	0	0	0	NM_018821	suppressor of cytokine signaling 6 (Socs6), mRNA.	Mme-M300021226	ILMN_1236610	0	0
192157	Socs7	0.211	0.037	-0.072	0	0	0	0	0	0	NM_138657	suppressor of cytokine signaling 7 (Socs7), mRNA.	Mme-M400013219	ILMN_2665994	0	0
20655	Sod1	0.356	-0.089	-0.231	0	0	0	0	0	0	NM_011434	superoxide dismutase 1, soluble (Sod1), mRNA.	Mme-M400011136	ILMN_2752552	0	0
20656	Sod2	0.297	-0.154	-0.017	0	0	0	0	0	0	NM_013671	superoxide dismutase 2, mitochondrial (Sod2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000858	ILMN_2650280	0	0
20657	Sod3	0.249	0.116	-0.039	0	0	0	0	0	0	NM_011435	superoxide dismutase 3, extracellular (Sod3), mRNA.	Mme-M300020890	ILMN_1241892	0	0
320706	Soga1	-0.082	0.260	-0.087	0	0	0	0	0	0	XM_283804	PREDICTED: RIKEN cDNA 9830001H06 gene (9830001H06Rik), mRNA.	Mme-M400018858	ILMN_2462456	0	0
68617	Soga2	-0.319	0.058	-0.061	0	0	0	0	0	0	NM_172963	RIKEN cDNA 1110012J17 gene (1110012J17Rik), transcript variant 2, mRNA.	Mme-M300009111	ILMN_1257630	0	0
67412	Soga3	0.086	-0.224	0.109	0	0	0	0	0	0	NM_026138	RIKEN cDNA 6330407J23 gene (6330407J23Rik), mRNA.	Mme-M400002207	ILMN_1218026	0	0
227631	Sohlh1	-0.461	-0.051	0.027	0	0	0	0	0	0	NM_001001714	spermatogenesis and oogenesis specific basic helix-loop-helix 1 (Sohlh1), mRNA.	Mme-M400006897	ILMN_1242183	0	0
74434	Sohlh2	-0.188	-0.044	0.004	0	0	0	0	0	0	NM_028937	spermatogenesis and oogenesis specific basic helix-loop-helix 2 (Sohlh2), mRNA.	Mme-M200005131	ILMN_2767951	0	0
20658	Son	0.213	-0.025	-0.032	0	0	0	0	0	0	NM_178880	Son cell proliferation protein (Son), transcript variant 1, mRNA.	Mme-M300003606	ILMN_2670835	0	0
20411	Sorbs1	0.143	0.157	0.090	0	0	0	0	0	0	NM_001034964	sorbin and SH3 domain containing 1 (Sorbs1), transcript variant 5, mRNA.	Mme-M400010901	ILMN_1255551	0	0
234214	Sorbs2	0.305	0.022	0.054	0	0	0	0	0	0	NM_172752	sorbin and SH3 domain containing 2 (Sorbs2), mRNA.	Mme-M300007826	ILMN_1235808	0	0
20410	Sorbs3	0.095	0.089	-0.051	0	0	0	0	0	0	NM_011366	sorbin and SH3 domain containing 3 (Sorbs3), mRNA.	Mme-M300003085	ILMN_2618221	0	0
58178	Sorcs1	-0.148	-0.233	0.343	0	0	1	0	0	0	NM_021377	VPS10 domain receptor protein SORCS 1 (Sorcs1), mRNA.	Mme-M400002763	ILMN_2827617	0	0
81840	Sorcs2	0.043	0.222	-0.107	0	0	0	0	0	0	NM_030889	sortilin-related VPS10 domain containing receptor 2 (Sorcs2), mRNA.	Mme-M200007490	ILMN_2695085	0	0
66673	Sorcs3	0.112	0.290	0.110	0	0	0	0	0	0	NM_025696	sortilin-related VPS10 domain containing receptor 3 (Sorcs3), mRNA.	Mme-M200015301	ILMN_1228549	0	0
20322	Sord	0.209	0.256	-0.002	0	0	0	0	0	0	NM_146126	sorbitol dehydrogenase (Sord), mRNA.	Mme-M200008682	ILMN_2758198	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
20660	Sorl1	0.245	0.059	-0.233	0	0	0	0	0	0	NM_011436	sortilin-related receptor, LDLR class A repeats-containing (Sorl1), mRNA.	Mme-M400003529	ILMN_1249578	0	0
20661	Sort1	0.199	-0.152	0.102	0	0	0	0	0	0	NM_019972	sortilin 1 (Sort1), mRNA.	Mme-M400012886	ILMN_1232295	0	0
20662	Sos1	-0.151	0.062	-0.023	0	0	0	0	0	0	NM_009231	Son of sevenless homolog 1 (Drosophila) (Sos1), mRNA.	Mme-M400018642	ILMN_2737338	0	0
74499	Sost	-0.044	0.103	-0.012	0	0	0	0	0	0	NM_024449	sclerostin (Sost), mRNA.	Mme-M200010770	ILMN_1253415	0	0
66042	Sostdc1	0.040	0.218	-0.023	0	0	0	0	0	0	NM_025312	sclerostin domain containing 1 (Sostdc1), mRNA.	Mme-M200013991	ILMN_2642800	0	0
237761	Sowaha	0.020	0.011	-0.007	0	0	0	0	0	0	NM_183173	ankyrin repeat domain 43 (Ankrd43), mRNA.	Mme-M300015376	ILMN_2626556	0	0
78088	Sowahb	0.059	-0.019	-0.035	0	0	0	0	0	0	NM_175270	ankyrin repeat domain 56 (Ankrd56), mRNA.	Mme-M300016282	ILMN_2946760	0	0
245381	Sowahd	-0.061	-0.057	0.004	0	0	0	0	0	0	NM_173779	ankyrin repeat domain 58 (Ankrd58), mRNA.	Mme-M300015422	ILMN_2728575	0	0
20664	Sox1	0.108	-0.011	-0.011	0	0	0	0	0	0	NM_009233	SRY-box containing gene 1 (Sox1), mRNA.	Mme-M400010909	ILMN_2739469	0	0
20665	Sox10	-0.260	-0.163	-0.028	0	0	0	0	0	0	XM_128139	PREDICTED: SRY-box containing gene 10, transcript variant 1 (Sox10), mRNA.	Mme-M200000611	ILMN_1228105	0	0
20666	Sox11	-0.101	-0.164	0.127	0	0	0	0	0	0	NM_009234	SRY-box containing gene 11 (Sox11), mRNA.	Mme-M400008349	ILMN_2616196	0	0
20667	Sox12	0.080	-0.227	-0.060	0	0	0	0	0	0	NM_011438	SRY-box containing gene 12 (Sox12), mRNA.	Mme-M400003898	ILMN_1227128	0	0
20669	Sox14	0.103	-0.047	0.016	0	0	0	0	0	0	XM_907434	PREDICTED: SRY-box containing gene 14 (Sox14), mRNA.	Mme-M400004573	ILMN_2664638	0	0
20670	Sox15	-0.310	-0.052	-0.114	0	0	0	0	0	0	NM_009235	SRY-box containing gene 15 (Sox15), mRNA.	Mme-M200011802	ILMN_2662811	0	0
20671	Sox17	0.060	-0.273	0.132	0	0	0	0	0	0	NM_011441	SRY-box containing gene 17 (Sox17), mRNA.	Mme-M300004840	ILMN_2784446	0	0
20672	Sox18	0.340	-0.054	-0.115	0	0	0	0	0	0	NM_009236	SRY-box containing gene 18 (Sox18), mRNA.	Mme-M200001096	ILMN_2645321	0	0
223227	Sox21	-0.242	0.248	0.055	0	0	0	0	0	0	NM_177753	SRY-box containing gene 21 (Sox21), mRNA.	Mme-M300014922	ILMN_1254295	0	0
20675	Sox3	-0.137	0.093	-0.030	0	0	0	0	0	0	NM_009237	SRY-box containing gene 3 (Sox3), mRNA.	Mme-M400010911	ILMN_1245319	0	0
214105	Sox30	-0.583	0.082	-0.050	0	0	0	0	0	0	NM_173384	SRY-box containing gene 30 (Sox30), mRNA.	Mme-M300012696	ILMN_1230836	0	0
20677	Sox4	0.309	-0.146	0.225	0	0	0	0	0	0	NM_009238	SRY-box containing gene 4 (Sox4), mRNA.	Mme-M400010912	ILMN_2727116	0	0
20678	Sox5	-0.055	0.027	-0.030	0	0	0	0	0	0	NM_011444	SRY-box containing gene 5 (Sox5), transcript variant 1, mRNA.	Mme-M400009469	ILMN_2610223	0	0
20679	Sox6	-0.032	-0.096	-0.031	0	0	0	0	0	0	NM_011445	SRY-box containing gene 6 (Sox6), transcript variant 1, mRNA.	Mme-M400009530	ILMN_2702322	0	0
68469	Sox6os	0.023	0.131	-0.077	0	0	0	0	0	0	XM_001478810	PREDICTED: RIKEN cDNA 1110006G14 gene (1110006G14Rik), mRNA.	Mme-M200010053	ILMN_2756311	0	0
20680	Sox7	0.146	0.296	-0.098	0	0	0	0	0	0	NM_011446	SRY-box containing gene 7 (Sox7), mRNA.	Mme-M200013902	ILMN_2653251	0	0
20681	Sox8	-0.144	0.032	0.054	0	0	0	0	0	0	NM_011447	SRY-box containing gene 8 (Sox8), mRNA.	Mme-M300003957	ILMN_2784686	0	0
20682	Sox9	-0.247	-0.174	0.153	0	0	0	0	0	0	NM_011448	SRY-box containing gene 9 (Sox9), mRNA.	Mme-M400011139	ILMN_3007428	0	0
20683	Sp1	0.204	-0.068	-0.062	0	0	0	0	0	0	NM_013672	trans-acting transcription factor 1 (Sp1), mRNA.	Mme-M400012954	ILMN_2616755	0	0
20684	Sp100	0.114	0.410	0.102	0	0	0	0	0	0	NM_013673	nuclear antigen Sp100 (Sp100), mRNA.	Mme-M400008656	ILMN_2846812	0	0
434484	Sp140	0.061	0.453	0.043	0	1	0	0	0	0	NM_001013817	Sp140 nuclear body protein (Sp140), mRNA.	Mme-M400004135	ILMN_3162887	0	0
78912	Sp2	0.053	0.113	0.054	0	0	0	0	0	0	NM_001080964	Sp2 transcription factor (Sp2), transcript variant 2, mRNA.	Mme-M300001715	ILMN_3097690	0	0
20687	Sp3	0.559	0.011	-0.113	0	0	0	0	0	0	NM_001098425	trans-acting transcription factor 3 (Sp3), transcript variant 2, mRNA.	Mme-M200006042	ILMN_2701516	0	0
20688	Sp4	0.216	-0.081	0.158	0	0	0	0	0	0	NM_009239	trans-acting transcription factor 4 (Sp4), mRNA.	Mme-M400013424	ILMN_1253376	0	0
64406	Sp5	-0.131	-0.119	-0.010	0	0	0	0	0	0	NM_022435	trans-acting transcription factor 5 (Sp5), mRNA.	Mme-M200009840	ILMN_2641201	0	0
83395	Sp6	-0.094	-0.292	-0.120	0	0	0	0	0	0	NM_031183	trans-acting transcription factor 6 (Sp6), mRNA.	Mme-M200009832	ILMN_2709337	0	0
170574	Sp7	0.176	0.162	-0.026	0	0	0	0	0	0	NM_130458	trans-acting transcription factor 7 (Sp7), mRNA.	Mme-M300019157	ILMN_1231074	0	0
320145	Sp8	-0.495	0.054	-0.149	0	0	0	0	0	0	NM_177082	trans-acting transcription factor 8 (Sp8), mRNA.	Mme-M300019351	ILMN_2658312	0	0
20686	Spa17	0.275	-0.032	-0.064	0	0	0	0	0	0	NM_011449	sperm autoantigenic protein 17 (Spa17), mRNA.	Mme-M200002728	ILMN_1249346	0	0
67652	Spaca1	0.185	-0.011	-0.099	0	0	0	0	0	0	NM_026293	sperm acrosome associated 1 (Spaca1), mRNA.	Mme-M200014808	ILMN_2596249	0	0
75622	Spaca3	-0.253	-0.064	-0.072	0	0	0	0	0	0	NM_029367	sperm acrosome associated 3 (Spaca3), mRNA.	Mme-M400004373	ILMN_2629708	0	0
69363	Spaca4	-0.314	-0.049	-0.105	0	0	0	0	0	0	NM_027055	sperm acrosome associated 4 (Spaca4), mRNA.	Mme-M400007923	ILMN_2966218	0	0
278203	Spaca5	0.168	-0.012	0.023	0	0	0	0	0	0	NM_001085393	sperm acrosome associated 5 (Spaca5), mRNA.	Mme-M400001990	ILMN_1221425	0	0
78634	Spaca7	-0.153	-0.020	0.048	0	0	0	0	0	0	NM_024279	RIKEN cDNA 1700094C09 gene (1700094C09Rik), mRNA.	Mme-M300001100	ILMN_1242313	0	0
26942	Spag1	-0.155	-0.127	-0.074	0	0	0	0	0	0	NM_012031	sperm associated antigen 1 (Spag1), mRNA.	Mme-M200015401	ILMN_2666380	0	0
78128	Spag11a	-0.334	-0.106	0.092	0	0	0	0	0	0	NM_153115	sperm associated antigen 11 (Spag11), mRNA.	Mme-M300012388	ILMN_1248179	0	0
546038	Spag11b	-0.302	-0.040	-0.027	0	0	0	0	0	0	NM_001039563	predicted gene, EG546038 (EG546038), transcript variant c, mRNA.	Mme-M400006816	ILMN_3089574	0	0
66722	Spag16	-0.460	-0.059	0.059	0	0	0	0	0	0	NM_025728	sperm associated antigen 16 (Spag16), transcript variant 2, mRNA.	Mme-M400011659	ILMN_3115326	0	0
74362	Spag17	-0.073	0.028	0.015	0	0	0	0	0	0	NM_028892	sperm associated antigen 17 (Spag17), mRNA.	Mme-M300005823	ILMN_2761352	0	0
245865	Spag4	-0.101	0.116	-0.032	0	0	0	0	0	0	NM_139151	sperm associated antigen 4 (Spag4), mRNA.	Mme-M200015568	ILMN_2659447	0	0
54141	Spag5	0.201	0.157	-0.080	0	0	0	0	0	0	NM_017407	sperm associated antigen 5 (Spag5), mRNA.	Mme-M300000273	ILMN_1226991	0	0
50525	Spag6	0.081	0.091	-0.095	0	0	0	0	0	0	NM_015773	sperm associated antigen 6 (Spag6), mRNA.	Mme-M200007137	ILMN_2855928	0	0
381350	Spag6l	0.125	-0.064	-0.007	0	0	0	0	0	0	NM_001001334	cDNA sequence BC061194 (BC061194), mRNA.	Mme-M300011085	ILMN_1218886	0	0
216873	Spag7	-0.120	0.097	-0.078	0	0	0	0	0	0	NM_172561	sperm associated antigen 7 (Spag7), mRNA.	Mme-M300001651	ILMN_2775088	0	0
70834	Spag9	-0.194	-0.292	0.193	0	0	0	0	0	0	NM_001025430	sperm associated antigen 9 (Spag9), transcript variant 4, mRNA.	Mme-M400011612	ILMN_1229777	0	0
20690	Spam1	-0.124	-0.035	0.021	0	0	0	0	0	0	NM_009241	sperm adhesion molecule 1 (Spam1), transcript variant 2, mRNA.	Mme-M200001891	ILMN_2757408	0	0
20692	Sparc	0.129	0.346	0.087	0	0	0	0	0	0	NM_009242	secreted acidic cysteine rich glycoprotein (Sparc), mRNA.	Mme-M400000298	ILMN_1243212	0	0
13602	Sparcl1	-0.207	0.082	0.212	0	0	0	0	0	0	NM_010097	SPARC-like 1 (mast9, hevin) (Sparcl1), mRNA.	Mme-M200006283	ILMN_1237917	0	0
50850	Spast	-0.124	-0.254	0.144	0	0	0	0	0	0	NM_016962	spastin (Spast), mRNA.	Mme-M200003773	ILMN_1224658	0	0
70951	Spata1	-0.130	0.032	-0.041	0	0	0	0	0	0	NM_027617	spermatogenesis associated 1 (Spata1), mRNA.	Mme-M200014820	ILMN_2746473	0	0
219140	Spata13	0.033	0.083	0.175	0	0	0	0	0	0	XM_901902	PREDICTED: spermatogenesis associated 13, transcript variant 7 (Spata13), mRNA.	Mme-M300003051	ILMN_2751037	0	0
70862	Spata16	-0.155	-0.150	0.153	0	0	0	0	0	0	NM_027583	spermatogenesis associated 16 (Spata16), transcript variant 1, mRNA.	Mme-M200012171	ILMN_3139235	0	0
74717	Spata17	-0.004	-0.054	-0.065	0	0	0	0	0	0	NM_028848	spermatogenesis associated 17 (Spata17), mRNA.	Mme-M200010846	ILMN_1248007	0	0
73472	Spata18	0.013	0.047	0.009	0	0	0	0	0	0	XM_001478951	PREDICTED: spermatogenesis associated 18 (Spata18), mRNA.	Mme-M200015799	ILMN_2686537	0	0
75469	Spata19	0.099	0.057	-0.025	0	0	0	0	0	0	NM_029299	spermatogenesis associated 19 (Spata19), mRNA.	Mme-M200014331	ILMN_2636548	0	0
263876	Spata2	0.059	-0.036	0.070	0	0	0	0	0	0	NM_170756	spermatogenesis associated 2 (Spata2), mRNA.	Mme-M300017896	ILMN_2640415	0	0
217116	Spata20	-0.002	0.093	-0.110	0	0	0	0	0	0	NM_144827	spermatogenesis associated 20 (Spata20), mRNA.	Mme-M300002434	ILMN_2878078	0	0
329972	Spata21	-0.159	0.021	0.023	0	0	0	0	0	0	NM_177867	spermatogenesis associated 21 (Spata21), mRNA.	Mme-M300015984	ILMN_2626950	0	0
71242	Spata24	0.044	-0.079	-0.089	0	0	0	0	0	0	NM_027733	RIKEN cDNA 5133400G04 gene (5133400G04Rik), transcript variant 1, mRNA.	Mme-M200011888	ILMN_3103689	0	0
75642	Spata25	-0.089	-0.061	0.040	0	0	0	0	0	0	XM_130672	PREDICTED: RIKEN cDNA 1700020C07 gene (1700020C07Rik), mRNA.	Mme-M200011015	ILMN_2619416	0	0
78779	Spata2l	0.149	0.146	-0.171	0	0	0	0	0	0	NM_030176	spermatogenesis associated 2-like (Spata2L), mRNA.	Mme-M200013605	ILMN_1229246	0	0
70060	Spata3	0.154	-0.039	0.025	0	0	0	0	0	0	NM_028647	spermatogenesis associated 3 (Spata3), transcript variant 3, mRNA.	Mme-M200012626	ILMN_2695308	0	0
78124	Spata31	-0.128	-0.015	-0.044	0	0	0	0	0	0	NM_030047	RIKEN cDNA 4930458L03 gene (4930458L03Rik), mRNA.	Mme-M400015000	ILMN_2624729	0	0
72219	Spata31d1a	-0.121	-0.097	0.023	0	0	0	0	0	0	NM_028157	RIKEN cDNA 1700013B16 gene (1700013B16Rik), mRNA.	Mme-M400011629	ILMN_2630401	0	0
238663	Spata31d1d	-0.055	0.047	0.087	0	0	0	0	0	0	NM_177711	RIKEN cDNA 4932411G14 gene (4932411G14Rik), mRNA.	Mme-M400012428	ILMN_2776775	0	0
328019	Spata32	-0.160	0.025	-0.029	0	0	0	0	0	0	NM_177801	RIKEN cDNA 4933400C05 gene (4933400C05Rik), mRNA.	Mme-M300015782	ILMN_2959341	0	0
320869	Spata33	0.121	-0.023	0.002	0	0	0	0	0	0	NM_177279	RIKEN cDNA 4732415M23 gene (4732415M23Rik), mRNA.	Mme-M300019274	ILMN_2962386	0	0
69281	Spata4	0.161	0.008	-0.046	0	0	0	0	0	0	NM_133711	spermatogenesis associated 4 (Spata4), mRNA.	Mme-M300007755	ILMN_2753808	0	0
75558	Spata45	-0.072	-0.020	0.004	0	0	0	0	0	0	XM_886605	PREDICTED: RIKEN cDNA 1700022P22 gene (1700022P22Rik), mRNA.	Mme-M300010991	ILMN_2698647	0	0
57815	Spata5	0.188	-0.031	0.021	0	0	0	0	0	0	NM_021343	spermatogenesis associated 5 (Spata5), mRNA.	Mme-M300005765	ILMN_2592435	0	0
67946	Spata6	0.131	-0.074	0.125	0	0	0	0	0	0	NM_026470	spermatogenesis associated 6 (Spata6), mRNA.	Mme-M400001695	ILMN_2724595	0	0
104871	Spata7	0.102	0.106	-0.044	0	0	0	0	0	0	NM_178914	spermatogenesis associated 7 (Spata7), mRNA.	Mme-M300002506	ILMN_1257003	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
75571	Spata9	-0.119	-0.029	0.017	0	0	0	0	0	0	NM_029343	spermatogenesis associated 9 (Spata9), mRNA.	Mme-M300002842	ILMN_2706972	0	0
74281	Spatc1	0.009	-0.037	-0.078	0	0	0	0	0	0	NM_028852	spermatogenesis and centriole associated 1 (Spatc1), mRNA.	Mme-M200010715	ILMN_2889938	0	0
76573	Spatc1l	-0.015	-0.057	0.022	0	0	0	0	0	0	NM_029661	RIKEN cDNA 1700027D21 gene (1700027D21Rik), mRNA.	Mme-M200014294	ILMN_1255463	0	0
71020	Spats1	-0.083	0.083	-0.031	0	0	0	0	0	0	NM_027649	spermatogenesis associated, serine-rich 1 (Spats1), mRNA.	Mme-M300003820	ILMN_1247027	0	0
72572	Spats2	-0.137	-0.006	-0.007	0	0	0	0	0	0	NM_139140	spermatogenesis associated, serine-rich 2 (Spats2), mRNA.	Mme-M400011872	ILMN_2632931	0	0
67198	Spats2l	0.096	-0.096	0.132	0	0	0	0	0	0	NM_144882	RIKEN cDNA 2810022L02 gene (2810022L02Rik), mRNA.	Mme-M200005657	ILMN_2673917	0	0
67629	Spc24	0.000	-0.151	0.188	0	0	0	0	0	0	NM_026282	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae) (Spc24), mRNA.	Mme-M400011550	ILMN_2948272	0	0
66442	Spc25	0.105	0.126	0.181	0	0	0	0	0	0	NM_025565	SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae) (Spc25), mRNA.	Mme-M300000653	ILMN_1255960	0	0
69019	Spcs1	0.217	0.206	0.131	0	0	0	0	0	0	NM_026911	signal peptidase complex subunit 1 homolog (S. cerevisiae) (Spcs1), mRNA.	Mme-M200006195	ILMN_2998020	0	0
66624	Spcs2	0.122	0.012	0.049	0	0	0	0	0	0	NM_025668	signal peptidase complex subunit 2 homolog (S. cerevisiae) (Spcs2), mRNA.	Mme-M200006800	ILMN_2762956	0	0
76687	Spcs3	0.117	-0.101	-0.080	0	0	0	0	0	0	NM_029701	signal peptidase complex subunit 3 homolog (S. cerevisiae) (Spcs3), mRNA.	Mme-M400004798	ILMN_2787085	0	0
30051	Spdef	0.076	-0.016	-0.042	0	0	0	0	0	0	NM_013891	SAM pointed domain containing ets transcription factor (Spdef), mRNA.	Mme-M300003996	ILMN_1258162	0	0
70385	Spdl1	-0.006	0.069	-0.036	0	0	0	0	0	0	NM_027411	coiled-coil domain containing 99 (Ccdc99), mRNA.	Mme-M400011604	ILMN_2663328	0	0
74673	Spdyb	0.100	-0.007	0.109	0	0	0	0	0	0	NM_029048	speedy homolog B (Drosophila) (Spdyb), mRNA.	Mme-M200016290	ILMN_2756787	0	0
432572	Specc1	-0.269	0.137	0.096	0	0	0	0	0	0	NM_001029936	sperm antigen with calponin homology and coiled-coil domains 1 (Specc1), mRNA.	Mme-M400002611	ILMN_2483948	0	0
74392	Specc1l	0.124	0.073	-0.079	0	0	0	0	0	0	NM_153406	SPECC1-like (Specc1l), mRNA.	Mme-M200005669	ILMN_2700448	0	0
224318	Speer2	-0.242	0.043	0.053	0	0	0	0	0	0	NM_173069	spermatogenesis associated glutamate (E)-rich protein 2 (Speer2), mRNA.	Mme-M400008134	ILMN_2597786	0	0
71026	Speer3	-0.195	-0.086	0.228	0	0	0	0	0	0	NM_027650	spermatogenesis associated glutamate (E)-rich protein 3 (Speer3), mRNA.	Mme-M400009332	ILMN_2795564	0	0
75657	Speer4a	0.012	-0.050	0.154	0	0	0	0	0	0	NM_029376	spermatogenesis associated glutamate (E)-rich protein 4a (Speer4a), mRNA.	Mme-M400009337	ILMN_1221938	0	0
73526	Speer4b	-0.198	-0.060	-0.066	0	0	0	0	0	0	NM_028561	spermatogenesis associated glutamate (E)-rich protein 4b (Speer4b), mRNA.	Mme-M400003458	ILMN_1245154	0	0
75858	Speer4cos	-0.234	-0.067	0.048	0	0	0	0	0	0	NR_001585	spermatogenesis associated glutamate (E)-rich protein 7, pseudogene 1 (Speer7-ps1) on chromosome 5.	Mme-M400012685	ILMN_1249847	0	0
360220	Speer4d	-0.105	0.095	-0.025	0	0	0	0	0	0	NM_025759	spermatogenesis associated glutamate (E)-rich protein 4d (Speer4d), mRNA.	Mme-M400006184	ILMN_3051348	0	0
70935	Speer4f	-0.276	-0.023	-0.138	0	0	0	0	0	0	NM_027609	spermatogenesis associated glutamate (E)-rich protein 4f (Speer4f), mRNA.	Mme-M400009335	ILMN_2842348	0	0
70365	Speer5-ps1	0.049	0.066	-0.047	0	0	0	0	0	0	NR_001582	spermatogenesis associated glutamate (E)-rich protein 5, pseudogene 1 (Speer5-ps1) on chromosome 10.	Mme-M400012682	ILMN_2748533	0	0
74062	Speer8-ps1	-0.290	0.014	0.015	0	0	0	0	0	0	NR_001584	spermatogenesis associated glutamate (E)-rich protein 8, pseudogene 1 (Speer8-ps1) on chromosome 5.	Mme-M400012684	ILMN_2879940	0	0
73949	Speer9-ps1	-0.122	0.013	-0.070	0	0	0	0	0	0	NR_001583	spermatogenesis associated glutamate (E)-rich protein 9, pseudogene 1 (Speer9-ps1) on chromosome 7.	Mme-M400012683	ILMN_2600597	0	0
70997	Spef1	0.083	-0.227	-0.073	0	0	0	0	0	0	NM_027641	sperm flagellar 1 (Spef1), mRNA.	Mme-M200002479	ILMN_2701129	0	0
320277	Spef2	-0.026	-0.063	0.048	0	0	0	0	0	0	NM_177123	sperm flagellar 2 (Spef2), mRNA.	Mme-M300003166	ILMN_2460618	0	0
74288	Spem1	-0.246	0.074	-0.011	0	0	0	0	0	0	NM_028855	sperm maturation 1 (Spem1), mRNA.	Mme-M200010718	ILMN_2696841	0	0
56381	Spen	0.128	0.144	-0.054	0	0	0	0	0	0	NM_019763	SPEN homolog, transcriptional regulator (Drosophila) (Spen), mRNA.	Mme-M200005040	ILMN_2592059	0	0
67926	Spert	-0.278	-0.025	0.084	0	0	0	0	0	0	NM_026457	spermatid associated (Spert), mRNA.	Mme-M300009613	ILMN_2899578	0	0
66712	Spesp1	0.001	0.027	-0.006	0	0	0	0	0	0	NM_025721	sperm equatorial segment protein 1 (Spesp1), mRNA.	Mme-M200004619	ILMN_2676961	0	0
27965	Spg21	0.143	0.067	-0.133	0	0	0	0	0	0	NM_138584	spastic paraplegia 21 homolog (human) (Spg21), mRNA.	Mme-M200013131	ILMN_2705673	0	0
234847	Spg7	-0.077	0.061	-0.121	0	0	0	0	0	0	NM_153176	spastic paraplegia 7 homolog (human) (Spg7), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000108	ILMN_2600309	0	0
20698	Sphk1	-0.130	-1.380	0.020	0	-1	0	0	-1	0	NM_011451	sphingosine kinase 1 (Sphk1), transcript variant 1, mRNA.	Mme-M200004020	ILMN_2650336	0	1
56632	Sphk2	0.150	0.079	-0.125	0	0	0	0	0	0	NM_203280	sphingosine kinase 2 (Sphk2), transcript variant 1, mRNA.	Mme-M200004833	ILMN_2718789	0	0
20375	Spi1	0.239	0.160	0.100	0	0	0	0	0	0	NM_011355	SFFV proviral integration 1 (Sfpi1), mRNA.	Mme-M300000282	ILMN_1235139	0	0
272382	Spib	-0.038	0.045	0.120	0	0	0	0	0	0	NM_019866	Spi-B transcription factor (Spi-1/PU.1 related) (Spib), mRNA.	Mme-M400007881	ILMN_2933168	0	0
20728	Spic	-0.072	0.258	-0.100	0	0	0	0	0	0	NM_011461	Spi-C transcription factor (Spi-1/PU.1 related) (Spic), mRNA.	Mme-M300000550	ILMN_2854004	0	0
212514	Spice1	0.099	0.044	-0.016	0	0	0	0	0	0	NM_144550	coiled-coil domain containing 52 (Ccdc52), mRNA.	Mme-M300014152	ILMN_2650238	0	0
224008	Spidr	0.170	0.082	-0.089	0	0	0	0	0	0	NM_146068	RIKEN cDNA 2310008H04 gene (2310008H04Rik), mRNA.	Mme-M300013448	ILMN_2964816	0	0
20729	Spin1	0.018	-0.077	-0.132	0	0	0	0	0	0	NM_011462	spindlin 1 (Spin1), transcript variant 1, mRNA.	Mme-M200013917	ILMN_1216718	0	0
278240	Spin2c	0.063	0.258	0.041	0	0	0	0	0	0	NM_001005370	spindlin family, member 2 (Spin2), mRNA.	Mme-M300017442	ILMN_2934527	0	0
270624	Spin4	-0.102	-0.002	-0.132	0	0	0	0	0	0	NM_178753	spindlin family, member 4 (Spin4), mRNA.	Mme-M400005628	ILMN_2755717	0	0
328971	Spink10	0.014	0.041	0.156	0	0	0	0	0	0	NM_177829	serine peptidase inhibitor, Kazal type 10 (Spink10), mRNA.	Mme-M300015215	ILMN_2694785	0	0
78242	Spink12	-0.333	0.014	-0.013	0	0	0	0	0	0	NM_030061	serine peptidase inhibitor, Kazal type 11 (Spink12), mRNA.	Mme-M200016195	ILMN_2660373	0	0
69982	Spink2	-0.270	-0.169	-0.119	0	0	0	0	0	0	NM_183284	serine peptidase inhibitor, Kazal type 2 (Spink2), mRNA.	Mme-M400004318	ILMN_2701631	0	0
20730	Spink3	-0.154	0.135	-0.029	0	0	0	0	0	0	NM_009258	serine peptidase inhibitor, Kazal type 3 (Spink3), mRNA.	Mme-M300004181	ILMN_2708477	0	0
20731	Spink4	-0.119	-0.081	-0.048	0	0	0	0	0	0	NM_011463	serine peptidase inhibitor, Kazal type 4 (Spink4), mRNA.	Mme-M200005085	ILMN_2593736	0	0
72432	Spink5	-0.009	0.039	0.006	0	0	0	0	0	0	NM_001081180	serine peptidase inhibitor, Kazal type 5 (Spink5), mRNA.	Mme-M400005228	ILMN_2616118	0	0
433180	Spink6	-0.225	0.081	-0.115	0	0	0	0	0	0	NM_001013797	serine peptidase inhibitor, Kazal type 6 (Spink6), mRNA.	Mme-M400005047	ILMN_2996983	0	0
78709	Spink8	-0.174	0.136	-0.017	0	0	0	0	0	0	NM_183136	serine peptidase inhibitor, Kazal type 8 (Spink8), mRNA.	Mme-M300020785	ILMN_1220865	0	0
77424	Spinkl	-0.030	0.063	-0.032	0	0	0	0	0	0	XR_035343	PREDICTED: RIKEN cDNA 9530002K18 gene (9530002K18Rik), misc RNA.	Mme-M400004566	ILMN_2627177	0	0
20732	Spint1	0.246	-0.037	-0.243	0	0	0	0	0	0	NM_016907	serine protease inhibitor, Kunitz type 1 (Spint1), mRNA.	Mme-M200008684	ILMN_1237186	0	0
20733	Spint2	0.262	0.001	-0.060	0	0	0	0	0	0	NM_001082548	serine protease inhibitor, Kunitz type 2 (Spint2), transcript variant 2, mRNA.	Mme-M300007301	ILMN_2663338	0	0
78239	Spint4	-0.045	-0.079	-0.085	0	0	0	0	0	0	NM_030058	serine protease inhibitor, Kunitz type 4 (Spint4), mRNA.	Mme-M200011430	ILMN_1240354	0	0
68166	Spire1	0.192	0.098	-0.059	0	0	0	0	0	0	NM_176832	spire homolog 1 (Drosophila) (Spire1), transcript variant 2, mRNA.	Mme-M300004191	ILMN_3115149	0	0
234857	Spire2	-0.213	0.194	-0.056	0	0	0	0	0	0	NM_172287	spire homolog 2 (Drosophila) (Spire2), mRNA.	Mme-M300001093	ILMN_2640995	0	0
20737	Spn	-0.249	-0.043	-0.046	0	0	0	0	0	0	NM_009259	sialophorin (Spn), transcript variant 1, mRNA.	Mme-M200013319	ILMN_1255969	0	0
73658	Spns1	-0.261	-0.191	-0.040	0	0	0	0	0	0	NM_023712	spinster homolog 1 (Drosophila) (Spns1), mRNA.	Mme-M200003025	ILMN_2853212	0	0
77577	Spns3	-0.183	0.144	0.063	0	0	0	0	0	0	NM_029932	spinster homolog 3 (Drosophila) (Spns3), mRNA.	Mme-M200014425	ILMN_2732757	0	0
26972	Spo11	-0.111	-0.058	0.241	0	0	0	0	0	0	NM_001083960	sporulation protein, meiosis-specific, SPO11 homolog (S. cerevisiae) (Spo11), transcript variant 2, mRNA.	Mme-M300000732	ILMN_2777019	0	0
20745	Spock1	-0.124	0.204	0.126	0	0	0	0	0	0	NM_009262	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 1 (Spock1), mRNA.	Mme-M400018656	ILMN_2590421	0	0
94214	Spock2	-0.460	-0.004	0.117	0	0	0	0	0	0	NM_052994	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 2 (Spock2), mRNA.	Mme-M200009676	ILMN_1251096	0	0
72902	Spock3	0.227	-0.002	0.088	0	0	0	0	0	0	NM_023689	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 3 (Spock3), mRNA.	Mme-M400004727	ILMN_2991930	0	0
233744	Spon1	0.041	0.112	0.102	0	0	0	0	0	0	NM_145584	spondin 1, (f-spondin) extracellular matrix protein (Spon1), mRNA.	Mme-M200007988	ILMN_2665535	0	0
100689	Spon2	0.029	-0.280	-0.158	0	0	0	0	0	0	NM_133903	spondin 2, extracellular matrix protein (Spon2), mRNA.	Mme-M200007636	ILMN_1229547	0	0
20747	Spop	0.140	0.002	-0.013	0	0	0	0	0	0	NM_025287	speckle-type POZ protein (Spop), mRNA.	Mme-M200003486	ILMN_2706567	0	0
76857	Spopl	-0.091	0.038	-0.047	0	0	0	0	0	0	NM_029773	speckle-type POZ protein-like (Spopl), mRNA.	Mme-M300005275	ILMN_2729354	0	0
20750	Spp1	0.147	0.231	0.073	0	0	0	0	0	0	NM_009263	secreted phosphoprotein 1 (Spp1), mRNA.	Mme-M200000114	ILMN_2690603	0	0
75396	Spp2	-0.014	-0.141	0.032	0	0	0	0	0	0	NM_029269	secreted phosphoprotein 2 (Spp2), mRNA.	Mme-M200005906	ILMN_2903540	0	0
66552	Sppl2a	0.140	0.158	0.197	0	0	0	0	0	0	NM_023220	RIKEN cDNA 2010106G01 gene (2010106G01Rik), mRNA.	Mme-M200013442	ILMN_1252689	0	0
73218	Sppl2b	-0.111	0.001	-0.069	0	0	0	0	0	0	NM_175195	RIKEN cDNA 3110056O03 gene (3110056O03Rik), mRNA.	Mme-M300009780	ILMN_1259299	0	0
237958	Sppl2c	-0.055	-0.130	-0.155	0	0	0	0	0	0	NM_199019	RIKEN cDNA 4933407P14 gene (4933407P14Rik), transcript variant 1, mRNA.	Mme-M400012595	ILMN_2637804	0	0
74585	Sppl3	-0.099	0.001	-0.083	0	0	0	0	0	0	NM_029012	signal peptide peptidase 3 (Sppl3), mRNA.	Mme-M200012643	ILMN_1217329	0	0
20751	Spr	0.105	0.059	0.068	0	0	0	0	0	0	NM_011467	sepiapterin reductase (Spr), mRNA.	Mme-M200005981	ILMN_2610531	0	0
114716	Spred2	0.208	-0.068	-0.098	0	0	0	0	0	0	NM_033523	sprouty-related, EVH1 domain containing 2 (Spred2), mRNA.	Mme-M200013091	ILMN_2590010	0	0
101809	Spred3	0.089	0.027	-0.118	0	0	0	0	0	0	NM_182927	sprouty-related, EVH1 domain containing 3 (Spred3), mRNA.	Mme-M400001993	ILMN_1218180	0	0
212518	Sprn	0.047	0.207	-0.111	0	0	0	0	0	0	NM_183147	shadow of prion protein (Sprn), mRNA.	Mme-M300016665	ILMN_2634644	0	0
20753	Sprr1a	-0.221	-0.016	0.011	0	0	0	0	0	0	NM_009264	small proline-rich protein 1A (Sprr1a), mRNA.	Mme-M300021059	ILMN_2975250	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
20754	Sprr1b	0.170	-0.049	-0.092	0	0	0	0	0	0	NM_009265	small proline-rich protein 1B (Sprr1b), mRNA.	Mme-M400003424	ILMN_2699139	0	0
20755	Sprr2a1	-0.267	-0.124	0.058	0	0	0	0	0	0	NM_011468	small proline-rich protein 2A (Sprr2a), mRNA.	Mme-M400007768	ILMN_3150677	0	0
20756	Sprr2b	-0.407	-0.106	-0.081	0	0	0	0	0	0	NM_011469	small proline-rich protein 2B (Sprr2b), mRNA.	Mme-M400003646	ILMN_1248780	0	0
20758	Sprr2d	-0.023	0.004	-0.173	0	0	0	0	0	0	NM_011470	small proline-rich protein 2D (Sprr2d), mRNA.	Mme-M400002590	ILMN_2626516	0	0
20759	Sprr2e	-0.090	0.013	-0.020	0	0	0	0	0	0	NM_011471	small proline-rich protein 2E (Sprr2e), mRNA.	Mme-M400005023	ILMN_1249602	0	0
20760	Sprr2f	0.115	-0.054	-0.044	0	0	0	0	0	0	NM_011472	small proline-rich protein 2F (Sprr2f), mRNA.	Mme-M400003719	ILMN_2695944	0	0
20761	Sprr2g	-0.262	0.108	0.009	0	0	0	0	0	0	NR_003548	small proline-rich protein 2G (Sprr2g) on chromosome 3.	Mme-M400003131	ILMN_2603791	0	0
20762	Sprr2h	-0.092	0.001	-0.075	0	0	0	0	0	0	NM_011474	small proline-rich protein 2H (Sprr2h), mRNA.	Mme-M200002962	ILMN_2623615	0	0
20763	Sprr2i	0.027	0.002	-0.013	0	0	0	0	0	0	NM_011475	small proline-rich protein 2I (Sprr2i), mRNA.	Mme-M400002587	ILMN_2948326	0	0
20764	Sprr2j-ps	-0.296	0.080	-0.013	0	0	0	0	0	0	NR_003185	small proline-rich protein 2J (Sprr2j) on chromosome 3.	Mme-M400001041	ILMN_2749198	0	0
20765	Sprr2k	-0.178	0.062	0.061	0	0	0	0	0	0	NM_011477	small proline-rich protein 2K (Sprr2k), mRNA.	Mme-M400004742	ILMN_1226200	0	0
20766	Sprr3	-0.006	0.025	-0.027	0	0	0	0	0	0	NM_011478	small proline-rich protein 3 (Sprr3), mRNA.	Mme-M200014926	ILMN_1248103	0	0
229562	Sprr4	-0.204	0.004	0.047	0	0	0	0	0	0	NM_173070	small proline-rich protein 4 (Sprr4), mRNA.	Mme-M300016505	ILMN_1241257	0	0
244666	Sprtn	-0.141	0.029	0.039	0	0	0	0	0	0	NM_001111141	gene model 505, (NCBI) (Gm505), mRNA.	Mme-M400001422	ILMN_1236401	0	0
24063	Spry1	0.238	-0.050	-0.096	0	0	0	0	0	0	NM_011896	sprouty homolog 1 (Drosophila) (Spry1), mRNA.	Mme-M200015730	ILMN_2735007	0	0
24064	Spry2	-0.191	-0.061	-0.006	0	0	0	0	0	0	NM_011897	sprouty homolog 2 (Drosophila) (Spry2), mRNA.	Mme-M200016063	ILMN_2749464	0	0
236576	Spry3	-0.253	-0.158	-0.093	0	0	0	0	0	0	NM_001030293	sprouty homolog 3 (Drosophila) (Spry3), mRNA.	Mme-M400007470	ILMN_2869082	0	0
24066	Spry4	-0.296	0.119	-0.006	0	0	0	0	0	0	NM_011898	sprouty homolog 4 (Drosophila) (Spry4), mRNA.	Mme-M200013851	ILMN_2825817	0	0
223918	Spryd3	0.108	0.397	-0.090	0	0	0	0	0	0	NM_001033277	SPRY domain containing 3 (Spryd3), mRNA.	Mme-M200006383	ILMN_2687974	0	0
66701	Spryd4	0.032	0.132	-0.100	0	0	0	0	0	0	NM_025716	SPRY domain containing 4 (Spryd4), mRNA.	Mme-M200006601	ILMN_1240871	0	0
66674	Spryd7	0.301	0.151	0.170	0	0	0	0	0	0	NM_025697	RIKEN cDNA 6330409N04 gene (6330409N04Rik), mRNA.	Mme-M200014153	ILMN_2704715	0	0
74646	Spsb1	0.238	-0.064	-0.070	0	0	0	0	0	0	NM_029035	splA/ryanodine receptor domain and SOCS box containing 1 (Spsb1), mRNA.	Mme-M200012891	ILMN_1224336	0	0
14794	Spsb2	-0.272	-0.024	-0.100	0	0	0	0	0	0	NM_013539	splA/ryanodine receptor domain and SOCS box containing 2 (Spsb2), mRNA.	Mme-M200000999	ILMN_1254644	0	0
79043	Spsb3	0.115	0.055	-0.108	0	0	0	0	0	0	NM_027141	splA/ryanodine receptor domain and SOCS box containing 3 (Spsb3), mRNA.	Mme-M300003948	ILMN_2994108	0	0
211949	Spsb4	-0.119	-0.089	-0.175	0	0	0	0	0	0	NM_145134	splA/ryanodine receptor domain and SOCS box containing 4 (Spsb4), mRNA.	Mme-M200007345	ILMN_1243507	0	0
20770	Spt1	-0.043	0.086	-0.081	0	0	0	0	0	0	NM_009267	salivary protein 1 (Spt1), mRNA.	Mme-M400009689	ILMN_2845370	0	0
20739	Spta1	-0.179	0.037	-0.061	0	0	0	0	0	0	NM_011465	spectrin alpha 1 (Spna1), mRNA.	Mme-M300005160	ILMN_2662527	0	0
20740	Sptan1	-0.121	0.109	-0.095	0	0	0	0	0	0	NM_001076554	spectrin alpha 2 (Spna2), mRNA.	Mme-M300017715	ILMN_1260571	0	0
20741	Sptb	-0.309	-0.111	-0.270	0	0	0	0	0	0	NM_013675	spectrin beta 1 (Spnb1), mRNA.	Mme-M300002533	ILMN_2909238	0	0
20742	Sptbn1	-0.311	0.147	0.077	0	0	0	0	0	0	NM_175836	spectrin beta 2 (Spnb2), transcript variant 1, mRNA.	Mme-M300002132	ILMN_2610865	0	0
20743	Sptbn2	0.326	0.268	-0.134	0	0	0	0	0	0	NM_021287	spectrin beta 3 (Spnb3), mRNA.	Mme-M300004356	ILMN_2661588	0	0
80297	Sptbn4	-0.260	0.035	0.137	0	0	0	0	0	0	NM_032610	spectrin beta 4 (Spnb4), mRNA.	Mme-M400000184	ILMN_1250462	0	0
268656	Sptlc1	0.138	-0.155	-0.007	0	0	0	0	0	0	NM_009269	serine palmitoyltransferase, long chain base subunit 1 (Sptlc1), mRNA.	Mme-M300002777	ILMN_2703159	0	0
20773	Sptlc2	-0.057	-0.084	0.041	0	0	0	0	0	0	NM_011479	serine palmitoyltransferase, long chain base subunit 2 (Sptlc2), mRNA.	Mme-M200000200	ILMN_2691623	0	0
228677	Sptlc3	0.185	-0.126	0.043	0	0	0	0	0	0	NM_175467	serine palmitoyltransferase, long chain base subunit 3 (Sptlc3), mRNA.	Mme-M300011939	ILMN_1247080	0	0
104725	Sptssa	0.197	-0.413	0.161	0	0	0	0	0	0	NM_134054	RIKEN cDNA 1110002B05 gene (1110002B05Rik), mRNA.	Mme-M200006807	ILMN_2634338	0	0
66183	Sptssb	0.007	0.058	0.072	0	0	0	0	0	0	NM_133675	RIKEN cDNA 1110032A04 gene (1110032A04Rik), mRNA.	Mme-M200014271	ILMN_2772120	0	0
101685	Spty2d1	0.004	-0.089	-0.170	0	0	0	0	0	0	NM_175318	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae) (Spty2d1), mRNA.	Mme-M300020262	ILMN_2625831	0	0
79401	Spz1	0.131	-0.006	-0.045	0	0	0	0	0	0	NM_030237	spermatogenic Zip 1 (Spz1), mRNA.	Mme-M400003230	ILMN_2653834	0	0
20775	Sqle	0.066	-0.072	0.240	0	0	0	0	0	0	NM_009270	squalene epoxidase (Sqle), mRNA.	Mme-M200004466	ILMN_2737163	0	0
59010	Sqrdl	0.071	-0.017	0.037	0	0	0	0	0	0	NM_021507	sulfide quinone reductase-like (yeast) (Sqrdl), mRNA.	Mme-M300000722	ILMN_1247947	0	0
18412	Sqstm1	0.238	-0.019	-0.075	0	0	0	0	0	0	NM_011018	sequestosome 1 (Sqstm1), mRNA.	Mme-M200012859	ILMN_2710705	0	0
24068	Sra1	0.398	0.139	-0.297	0	0	0	0	0	0	NM_025291	steroid receptor RNA activator 1 (Sra1), mRNA.	Mme-M300000749	ILMN_2659132	0	0
78586	Srbd1	0.101	0.035	0.044	0	0	0	0	0	0	XM_001479682	PREDICTED: S1 RNA binding domain 1 (Srbd1), mRNA.	Mme-M300003940	ILMN_1231534	0	0
20779	Src	-0.083	0.231	-0.060	0	0	0	0	0	0	NM_001025395	Rous sarcoma oncogene (Src), transcript variant 2, mRNA.	Mme-M200004525	ILMN_2677529	0	0
56013	Srcin1	0.029	0.137	-0.024	0	0	0	0	0	0	NM_018873	P140 gene (P140), mRNA.	Mme-M300011563	ILMN_2771584	0	0
94224	Srd5a2	0.048	-0.347	-0.035	0	0	0	0	0	0	NM_053188	steroid 5 alpha-reductase 2 (Srd5a2), mRNA.	Mme-M200012190	ILMN_2633091	0	0
57357	Srd5a3	0.058	-0.061	-0.117	0	0	0	0	0	0	NM_020611	steroid 5 alpha-reductase 3 (Srd5a3), mRNA.	Mme-M300006564	ILMN_2883138	0	0
20787	Srebf1	0.150	0.095	0.083	0	0	0	0	0	0	NM_011480	sterol regulatory element binding transcription factor 1 (Srebf1), mRNA.	Mme-M200013337	ILMN_2792089	0	0
20788	Srebf2	-0.052	0.145	0.056	0	0	0	0	0	0	NM_033218	sterol regulatory element binding factor 2 (Srebf2), mRNA.	Mme-M200008000	ILMN_1223598	0	0
218543	Srek1	0.201	-0.161	-0.048	0	0	0	0	0	0	NM_172592	splicing factor, arginine/serine-rich 12 (Sfrs12), mRNA.	Mme-M200007442	ILMN_2662996	0	0
67288	Srek1ip1	0.087	0.010	0.091	0	0	0	0	0	0	NM_026075	SFRS12-interacting protein 1 (Sfrs12ip1), mRNA.	Mme-M400000505	ILMN_2652085	0	0
20807	Srf	-0.018	0.148	0.045	0	0	0	0	0	0	NM_020493	serum response factor (Srf), mRNA.	Mme-M400000235	ILMN_2988299	0	0
67222	Srfbp1	0.167	-0.019	0.057	0	0	0	0	0	0	NM_026040	serum response factor binding protein 1 (Srfbp1), mRNA.	Mme-M200008410	ILMN_1242900	0	0
117600	Srgap1	-0.219	0.005	0.015	0	0	0	0	0	0	NM_001081037	SLIT-ROBO Rho GTPase activating protein 1 (Srgap1), mRNA.	Mme-M400007122	ILMN_1225547	0	0
14270	Srgap2	-0.084	-0.005	-0.019	0	0	0	0	0	0	NM_001081011	SLIT-ROBO Rho GTPase activating protein 2 (Srgap2), mRNA.	Mme-M300005098	ILMN_2687570	0	0
259302	Srgap3	-0.145	-0.105	-0.206	0	0	0	0	0	0	NM_080448	SLIT-ROBO Rho GTPase activating protein 3 (Srgap3), mRNA.	Mme-M400011791	ILMN_2648098	0	0
19073	Srgn	0.393	0.336	0.294	0	0	0	0	0	0	NM_011157	serglycin (Srgn), mRNA.	Mme-M200004317	ILMN_2722732	0	0
109552	Sri	0.188	0.147	-0.163	0	0	0	0	0	0	NM_001080974	sorcin (Sri), transcript variant 1, mRNA.	Mme-M200005115	ILMN_3044633	0	0
106393	Srl	1.534	0.452	-0.218	1	1	0	1	0	0	NM_175347	sarcalumenin (Srl), mRNA.	Mme-M300003329	ILMN_2635122	1	0
20810	Srm	0.221	-0.204	-0.074	0	0	0	0	0	0	NM_009272	spermidine synthase (Srm), mRNA.	Mme-M200000004	ILMN_2630641	0	0
20811	Srms	-0.209	-0.074	-0.030	0	0	0	0	0	0	NM_011481	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites (Srms), mRNA.	Mme-M200001930	ILMN_1236717	0	0
20813	Srp14	-0.111	-0.055	0.040	0	0	0	0	0	0	NM_009273	signal recognition particle 14 (Srp14), mRNA.	Mme-M200000300	ILMN_2694245	0	0
66384	Srp19	0.386	-0.131	0.074	0	0	0	0	0	0	NM_025527	signal recognition particle 19 (Srp19), mRNA.	Mme-M400011496	ILMN_2757224	0	0
217337	Srp68	0.130	0.117	0.009	0	0	0	0	0	0	NM_146032	signal recognition particle 68 (Srp68), mRNA.	Mme-M300002386	ILMN_2599897	0	0
66661	Srp72	0.191	-0.070	0.224	0	0	0	0	0	0	NM_025691	signal recognition particle 72 (Srp72), mRNA.	Mme-M200005620	ILMN_2701837	0	0
27058	Srp9	0.409	0.072	-0.039	0	0	0	0	0	0	NM_012058	signal recognition particle 9 (Srp9), mRNA.	Mme-M400012689	ILMN_2779746	0	0
20815	Srpk1	0.220	0.140	0.083	0	0	0	0	0	0	NM_016795	serine/arginine-rich protein specific kinase 1 (Srpk1), mRNA.	Mme-M200003366	ILMN_1217753	0	0
20817	Srpk2	0.116	-0.016	-0.057	0	0	0	0	0	0	NM_009274	serine/arginine-rich protein specific kinase 2 (Srpk2), mRNA.	Mme-M200002737	ILMN_1251876	0	0
56504	Srpk3	-0.116	-0.022	0.187	0	0	0	0	0	0	NM_019684	serine/arginine-rich protein specific kinase 3 (Srpk3), mRNA.	Mme-M300000263	ILMN_2684515	0	0
67398	Srpr	0.338	-0.125	-0.061	0	0	0	0	0	0	NM_026130	signal recognition particle receptor ('docking protein') (Srpr), mRNA.	Mme-M300008040	ILMN_2747480	0	0
20818	Srprb	-0.308	0.141	-0.170	0	0	0	0	0	0	NM_009275	signal recognition particle receptor, B subunit (Srprb), mRNA.	Mme-M200002573	ILMN_2744512	0	0
51795	Srpx	-0.103	0.103	-0.100	0	0	0	0	0	0	NM_016911	sushi-repeat-containing protein (Srpx), mRNA.	Mme-M400009704	ILMN_2629486	0	0
68792	Srpx2	-0.117	0.126	-0.152	0	0	0	0	0	0	NM_001083895	sushi-repeat-containing protein, X-linked 2 (Srpx2), transcript variant 2, mRNA.	Mme-M200014308	ILMN_2698728	0	0
27364	Srr	-0.198	-0.113	-0.107	0	0	0	0	0	0	NM_013761	serine racemase (Srr), mRNA.	Mme-M200003718	ILMN_2622605	0	0
70118	Srrd	0.122	-0.093	-0.009	0	0	0	0	0	0	NM_027323	SRR1 domain containing (Srrd), mRNA.	Mme-M200013099	ILMN_2647381	0	0
75956	Srrm2	-0.098	0.311	0.143	0	0	0	0	0	0	NM_175229	serine/arginine repetitive matrix 2 (Srrm2), mRNA.	Mme-M300012031	ILMN_3102072	0	0
58212	Srrm3	0.046	-0.327	-0.041	0	0	0	0	0	0	NM_021403	RIKEN cDNA 2900083I11 gene (2900083I11Rik), mRNA.	Mme-M300001225	ILMN_1257190	0	0
68955	Srrm4	-0.010	0.119	-0.096	0	0	0	0	0	0	NM_026886	RIKEN cDNA 1500001A10 gene (1500001A10Rik), mRNA.	Mme-M400008473	ILMN_1216168	0	0
110809	Srsf1	0.196	-0.065	0.059	0	0	0	0	0	0	NM_173374	splicing factor, arginine/serine-rich 1 (ASF/SF2) (Sfrs1), transcript variant 1, mRNA.	Mme-M400013431	ILMN_1215265	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
14105	Srsf10	0.254	0.095	0.158	0	0	0	0	0	0	NM_001080387	FUS interacting protein (serine-arginine rich) 1 (Fusip1), transcript variant 2, mRNA.	Mme-M400009307	ILMN_1224653	0	0
69207	Srsf11	0.274	-0.238	-0.233	0	0	0	0	0	0	NM_001093753	splicing factor, arginine/serine-rich 11 (Sfrs11), transcript variant 1, mRNA.	Mme-M400009262	ILMN_1259905	0	0
272009	Srsf12	0.268	-0.037	-0.147	0	0	0	0	0	0	NM_177774	serine-arginine repressor protein (Srrp), mRNA.	Mme-M400004904	ILMN_2953888	0	0
20382	Srsf2	0.263	-0.377	0.081	0	0	0	0	0	0	NM_011358	splicing factor, arginine/serine-rich 2 (SC-35) (Sfrs2), mRNA.	Mme-M400011129	ILMN_2636335	0	0
20383	Srsf3	0.232	0.195	-0.195	0	0	0	0	0	0	NM_013663	splicing factor, arginine/serine-rich 3 (SRp20) (Sfrs3), mRNA.	Mme-M400003076	ILMN_1260362	0	0
57317	Srsf4	-0.068	0.140	-0.093	0	0	0	0	0	0	NM_020587	splicing factor, arginine/serine-rich 4 (SRp75) (Sfrs4), mRNA.	Mme-M200000937	ILMN_2944150	0	0
20384	Srsf5	-0.386	0.146	0.146	0	0	0	0	0	0	NM_009159	splicing factor, arginine/serine-rich 5 (SRp40, HRS) (Sfrs5), transcript variant 3, mRNA.	Mme-M400000441	ILMN_3148662	0	0
67996	Srsf6	0.406	0.087	-0.046	0	0	0	0	0	0	NM_026499	splicing factor, arginine/serine-rich 6 (Sfrs6), mRNA.	Mme-M200004768	ILMN_2611728	0	0
225027	Srsf7	0.345	0.206	0.083	0	0	0	0	0	0	NM_146083	splicing factor, arginine/serine-rich 7 (Sfrs7), mRNA.	Mme-M200006728	ILMN_2785104	0	0
108014	Srsf9	0.330	-0.071	0.147	0	0	0	0	0	0	NM_025573	splicing factor, arginine/serine rich 9 (Sfrs9), mRNA.	Mme-M300006729	ILMN_1222447	0	0
76650	Srxn1	0.236	0.234	0.102	0	0	0	0	0	0	NM_029688	sulfiredoxin 1 homolog (S. cerevisiae) (Srxn1), mRNA.	Mme-M300020853	ILMN_2677772	0	0
21674	Sry	0.030	0.012	-0.069	0	0	0	0	0	0	NM_011564	sex determining region of Chr Y (Sry), mRNA.	Mme-M400002807	ILMN_1255639	0	0
268996	Ss18	0.219	-0.086	0.171	0	0	0	0	0	0	NM_009280	synovial sarcoma translocation, Chromosome 18 (Ss18), mRNA.	Mme-M200001675	ILMN_2983228	0	0
269397	Ss18l1	0.060	0.043	0.052	0	0	0	0	0	0	NM_178750	synovial sarcoma translocation gene on chromosome 18-like 1 (Ss18l1), mRNA.	Mme-M300011934	ILMN_2726162	0	0
20823	Ssb	0.205	0.042	0.089	0	0	0	0	0	0	NM_001110145	Sjogren syndrome antigen B (Ssb), mRNA.	Mme-M400010918	ILMN_2591749	0	0
381760	Ssbp1	0.093	-0.047	0.195	0	0	0	0	0	0	NM_028358	single-stranded DNA binding protein 1 (Ssbp1), transcript variant 2, mRNA.	Mme-M200002375	ILMN_3096012	0	0
66970	Ssbp2	0.105	0.222	-0.077	0	0	0	0	0	0	NM_024186	single-stranded DNA binding protein 2 (Ssbp2), transcript variant 1, mRNA.	Mme-M300000497	ILMN_2693459	0	0
72475	Ssbp3	-0.112	-0.149	0.039	0	0	0	0	0	0	NM_023672	single-stranded DNA binding protein 3 (Ssbp3), transcript variant 1, mRNA.	Mme-M300006197	ILMN_1219475	0	0
76900	Ssbp4	0.273	-0.077	-0.059	0	0	0	0	0	0	NM_133772	single stranded DNA binding protein 4 (Ssbp4), mRNA.	Mme-M200002405	ILMN_2900827	0	0
109267	Ssc4d	-0.072	0.024	-0.039	0	0	0	0	0	0	XM_355648	PREDICTED: scavenger receptor cysteine rich domain containing, group B (4 domains), transcript variant 1 (Srcrb	Mme-M300006817	ILMN_2654947	0	0
269855	Ssc5d	-0.310	0.165	-0.111	0	0	0	0	0	0	NM_173008	RIKEN cDNA A430110N23 gene (A430110N23Rik), mRNA.	Mme-M300009830	ILMN_2627774	0	0
70599	Ssfa2	-0.227	-0.109	0.005	0	0	0	0	0	0	NM_080558	sperm specific antigen 2 (Ssfa2), mRNA.	Mme-M400011794	ILMN_2487517	0	0
231637	Ssh1	-0.113	0.059	0.023	0	0	0	0	0	0	NM_198109	slingshot homolog 1 (Drosophila) (Ssh1), mRNA.	Mme-M300013520	ILMN_1244009	0	0
237860	Ssh2	0.190	0.100	-0.072	0	0	0	0	0	0	NM_177710	slingshot homolog 2 (Drosophila) (Ssh2), mRNA.	Mme-M300011226	ILMN_2713231	0	0
245857	Ssh3	0.075	0.185	0.050	0	0	0	0	0	0	NM_198113	slingshot homolog 3 (Drosophila) (Ssh3), mRNA.	Mme-M400001722	ILMN_2650725	0	0
75647	Ssmem1	-0.165	0.008	0.046	0	0	0	0	0	0	NM_029373	RIKEN cDNA 1700025E21 gene (1700025E21Rik), mRNA.	Mme-M300006873	ILMN_2613687	0	0
68475	Ssna1	0.155	0.017	-0.026	0	0	0	0	0	0	NM_023464	Sjogren's syndrome nuclear autoantigen 1 (Ssna1), mRNA.	Mme-M200004129	ILMN_3161639	0	0
16651	Sspn	0.257	0.098	-0.036	0	0	0	0	0	0	NM_010656	sarcospan (Sspn), mRNA.	Mme-M200000436	ILMN_2741402	0	0
107513	Ssr1	0.292	-0.192	0.061	0	0	0	0	0	0	NM_025965	signal sequence receptor, alpha (Ssr1), mRNA.	Mme-M400011525	ILMN_1258155	0	0
66256	Ssr2	0.488	0.222	-0.257	0	0	0	0	0	0	NM_025448	signal sequence receptor, beta (Ssr2), mRNA.	Mme-M200002482	ILMN_2833606	0	0
67437	Ssr3	0.414	0.136	-0.117	0	0	0	0	0	0	NM_026155	signal sequence receptor, gamma (Ssr3), mRNA.	Mme-M200009519	ILMN_2838645	0	0
20832	Ssr4	0.629	-0.038	-0.111	0	0	0	0	0	0	NM_009279	signal sequence receptor, delta (Ssr4), mRNA.	Mme-M300000264	ILMN_1255237	0	0
20604	Sst	0.341	0.615	0.106	0	1	0	0	1	0	NM_009215	somatostatin (Sst), mRNA.	Mme-M200000929	ILMN_2729826	1	0
20605	Sstr1	-0.027	0.162	-0.036	0	0	0	0	0	0	NM_009216	somatostatin receptor 1 (Sstr1), mRNA.	Mme-M200014874	ILMN_2728465	0	0
20606	Sstr2	0.217	0.003	-0.118	0	0	0	0	0	0	NM_009217	somatostatin receptor 2 (Sstr2), transcript variant 2, mRNA.	Mme-M400003360	ILMN_3106619	0	0
20607	Sstr3	0.244	-0.094	-0.077	0	0	0	0	0	0	NM_009218	somatostatin receptor 3 (Sstr3), mRNA.	Mme-M200014869	ILMN_2741571	0	0
20608	Sstr4	-0.005	-0.108	0.061	0	0	0	0	0	0	NM_009219	somatostatin receptor 4 (Sstr4), mRNA.	Mme-M200014892	ILMN_1256912	0	0
20609	Sstr5	-0.219	0.061	-0.085	0	0	0	0	0	0	NM_011425	somatostatin receptor 5 (Sstr5), mRNA.	Mme-M400003740	ILMN_2962473	0	0
20611	Ssty1	0.066	0.017	-0.046	0	0	0	0	0	0	NM_009220	spermiogenesis specific transcript on the Y 1 (Ssty1), mRNA.	Mme-M400009753	ILMN_1228194	0	0
70009	Ssty2	-0.295	0.098	0.064	0	0	0	0	0	0	NM_023546	spermiogenesis specific transcript on the Y 2 (Ssty2), mRNA.	Mme-M400009754	ILMN_2879232	0	0
243612	Ssu2	-0.205	-0.023	-0.002	0	0	0	0	0	0	NM_175525	RIKEN cDNA D630042P16 gene (D630042P16Rik), mRNA.	Mme-M300009323	ILMN_2894604	0	0
68991	Ssu72	0.169	-0.072	-0.019	0	0	0	0	0	0	NM_026899	Ssu72 RNA polymerase II CTD phosphatase homolog (yeast) (Ssu72), mRNA.	Mme-M400011586	ILMN_1257298	0	0
99167	Ssx2ip	0.044	-0.011	-0.045	0	0	0	0	0	0	NM_138744	synovial sarcoma, X breakpoint 2 interacting protein (Ssx2ip), mRNA.	Mme-M300010549	ILMN_2793442	0	0
382206	Ssx9	-0.122	-0.011	0.022	0	0	0	0	0	0	NM_199063	synovial sarcoma, X breakpoint 9 (Ssx9), mRNA.	Mme-M400009701	ILMN_2666812	0	0
385338	Ssxa1	0.082	0.039	0.048	0	0	0	0	0	0	XM_001476060	PREDICTED: synovial sarcoma, X member A, breakpoint 1 (Ssxa1), mRNA.	Mme-M400007998	ILMN_2539998	0	0
67985	Ssxb1	-0.071	0.011	0.018	0	0	0	0	0	0	NM_026492	synovial sarcoma, X member B, breakpoint 1 (Ssxb1), mRNA.	Mme-M400001801	ILMN_2707052	0	0
385312	Ssxb10	-0.168	0.016	0.049	0	0	0	0	0	0	NM_199064	synovial sarcoma, X member B, breakpoint 10 (Ssxb10), mRNA.	Mme-M400007674	ILMN_2981324	0	0
387132	Ssxb2	-0.043	0.006	-0.096	0	0	0	0	0	0	NM_001001450	synovial sarcoma, X member B, breakpoint 2 (Ssxb2), mRNA.	Mme-M400000659	ILMN_3021016	0	0
278174	Ssxb3	-0.086	-0.057	-0.029	0	0	0	0	0	0	NM_198898	synovial sarcoma, X member B, breakpoint 3 (Ssxb3), mRNA.	Mme-M400012591	ILMN_3142650	0	0
387586	Ssxb5	-0.023	-0.004	0.081	0	0	0	0	0	0	NM_199319	synovial sarcoma, X member B, breakpoint 5 (Ssxb5), mRNA.	Mme-M400006335	ILMN_3008642	0	0
631002	Ssxb8	-0.077	-0.116	-0.044	0	0	0	0	0	0	NM_001081565	synovial sarcoma, X member B, breakpoint 8 (Ssxb8), mRNA.	Mme-M400005706	ILMN_2985249	0	0
387131	Ssxb9	-0.153	0.009	-0.075	0	0	0	0	0	0	NM_199066	synovial sarcoma, X member B, breakpoint 9 (Ssxb9), mRNA.	Mme-M400009700	ILMN_2999956	0	0
70356	St13	0.125	-0.064	0.196	0	0	0	0	0	0	NM_133726	suppression of tumorigenicity 13 (St13), mRNA.	Mme-M200011942	ILMN_1228919	0	0
19143	St14	0.320	0.037	-0.113	0	0	0	0	0	0	NM_011176	suppression of tumorigenicity 14 (colon carcinoma) (St14), mRNA.	Mme-M200007989	ILMN_1255342	0	0
240690	St18	0.029	0.018	0.039	0	0	0	0	0	0	NM_173868	suppression of tumorigenicity 18 (St18), mRNA.	Mme-M300008915	ILMN_2606404	0	0
20442	St3gal1	0.233	0.052	0.102	0	0	0	0	0	0	NM_009177	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (St3gal1), mRNA.	Mme-M200002342	ILMN_1224619	0	0
20444	St3gal2	-0.214	-0.098	0.113	0	0	0	0	0	0	NM_009179	ST3 beta-galactoside alpha-2,3-sialyltransferase 2 (St3gal2), mRNA.	Mme-M400010904	ILMN_1235722	0	0
20441	St3gal3	0.173	0.104	-0.149	0	0	0	0	0	0	NM_009176	ST3 beta-galactoside alpha-2,3-sialyltransferase 3 (St3gal3), mRNA.	Mme-M400001092	ILMN_2879848	0	0
20443	St3gal4	-0.090	0.030	-0.094	0	0	0	0	0	0	NM_009178	ST3 beta-galactoside alpha-2,3-sialyltransferase 4 (St3gal4), mRNA.	Mme-M200001058	ILMN_2935870	0	0
20454	St3gal5	0.292	0.182	-0.096	0	0	0	0	0	0	NM_001035228	ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (St3gal5), transcript variant 1, mRNA.	Mme-M400005399	ILMN_1232514	0	0
54613	St3gal6	-0.103	0.046	0.084	0	0	0	0	0	0	NM_018784	ST3 beta-galactoside alpha-2,3-sialyltransferase 6 (St3gal6), mRNA.	Mme-M400011293	ILMN_2695199	0	0
76954	St5	-0.058	-0.185	-0.152	0	0	0	0	0	0	NM_029811	suppression of tumorigenicity 5 (St5), transcript variant 2, mRNA.	Mme-M200000392	ILMN_1250665	0	0
20440	St6gal1	0.101	-0.132	-0.033	0	0	0	0	0	0	NM_145933	beta galactoside alpha 2,6 sialyltransferase 1 (St6gal1), mRNA.	Mme-M300003571	ILMN_2525980	0	0
240119	St6gal2	0.036	0.062	0.040	0	0	0	0	0	0	NM_172829	beta galactoside alpha 2,6 sialyltransferase 2 (St6gal2), mRNA.	Mme-M300003955	ILMN_2593002	0	0
20445	St6galnac1	-0.072	0.052	-0.012	0	0	0	0	0	0	NM_011371	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1, 3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 (	Mme-M200015978	ILMN_2704658	0	0
20447	St6galnac3	-0.056	0.047	0.047	0	0	0	0	0	0	NM_011372	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1, 3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3 (	Mme-M400004163	ILMN_3162403	0	0
20448	St6galnac4	0.287	0.281	0.134	0	0	0	0	0	0	NM_011373	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1, 3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4 (	Mme-M200005557	ILMN_2617542	0	0
50935	St6galnac6	0.155	0.109	-0.097	0	0	0	0	0	0	NM_001025311	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1, 3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 (	Mme-M300005301	ILMN_2655373	0	0
64213	St7	0.161	-0.080	0.099	0	0	0	0	0	0	NM_001083315	Suppression of tumorigenicity 7 (St7), transcript variant 2, mRNA.	Mme-M200003063	ILMN_2729574	0	0
229681	St7l	0.250	-0.064	-0.117	0	0	0	0	0	0	NM_153091	suppression of tumorigenicity 7-like (St7l), mRNA.	Mme-M300016512	ILMN_2780519	0	0
20449	St8sia1	-0.184	0.165	0.037	0	0	0	0	0	0	NM_011374	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 (St8sia1), mRNA.	Mme-M200003139	ILMN_1249093	0	0
20450	St8sia2	-0.131	0.103	0.027	0	0	0	0	0	0	NM_009181	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 (St8sia2), mRNA.	Mme-M400000858	ILMN_2705294	0	0
20451	St8sia3	-0.121	0.042	0.107	0	0	0	0	0	0	NM_009182	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3 (St8sia3), mRNA.	Mme-M400005644	ILMN_2740115	0	0
20452	St8sia4	-0.061	0.066	0.140	0	0	0	0	0	0	NM_009183	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4 (St8sia4), mRNA.	Mme-M200002968	ILMN_2671195	0	0
225742	St8sia5	0.276	-0.128	-0.063	0	0	0	0	0	0	NM_153124	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5 (St8sia5), transcript variant 2, mRNA.	Mme-M400000830	ILMN_1216035	0	0
241230	St8sia6	-0.216	-0.036	0.120	0	0	0	0	0	0	NM_145838	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6 (St8sia6), mRNA.	Mme-M300017594	ILMN_2646606	0	0
192187	Stab1	0.034	0.231	-0.085	0	0	0	0	0	0	NM_138672	stabilin 1 (Stab1), mRNA.	Mme-M400002608	ILMN_2727432	0	0
192188	Stab2	0.081	0.029	0.081	0	0	0	0	0	0	NM_138673	stabilin 2 (Stab2), mRNA.	Mme-M300009931	ILMN_2737368	0	0
20840	Stac	-0.280	-0.103	-0.161	0	0	0	0	0	0	NM_016853	src homology three (SH3) and cysteine rich domain (Stac), mRNA.	Mme-M200000574	ILMN_1245844	0	0
217154	Stac2	0.042	0.293	-0.007	0	0	0	0	0	0	NM_146028	SH3 and cysteine rich domain 2 (Stac2), mRNA.	Mme-M300001578	ILMN_2703563	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
237611	Stac3	0.203	0.382	0.109	0	0	0	0	0	0	NM_177707	SH3 and cysteine rich domain 3 (Stac3), mRNA.	Mme-M300012590	ILMN_2724841	0	0
20842	Stag1	0.194	-0.114	-0.123	0	0	0	0	0	0	NM_009282	stromal antigen 1 (Stag1), mRNA.	Mme-M200013889	ILMN_2680205	0	0
20843	Stag2	0.210	-0.213	0.183	0	0	0	0	0	0	NM_021465	stromal antigen 2 (Stag2), transcript variant 1, mRNA.	Mme-M400014748	ILMN_3123970	0	0
50878	Stag3	-0.088	0.081	0.046	0	0	0	0	0	0	NM_016964	stromal antigen 3 (Stag3), mRNA.	Mme-M200002980	ILMN_2993843	0	0
20844	Stam	0.237	-0.113	-0.111	0	0	0	0	0	0	NM_011484	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 (Stam), mRNA.	Mme-M200001529	ILMN_2668808	0	0
56324	Stam2	-0.072	-0.141	0.089	0	0	0	0	0	0	NM_019667	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 (Stam2), mRNA.	Mme-M200014159	ILMN_2970381	0	0
70527	Stambp	0.078	-0.065	-0.034	0	0	0	0	0	0	NM_024239	Stam binding protein (Stambp), mRNA.	Mme-M200007269	ILMN_1218176	0	0
76630	Stambpl1	0.049	0.004	0.085	0	0	0	0	0	0	NM_029682	Stam binding protein like 1 (Stambpl1), mRNA.	Mme-M200007903	ILMN_1252400	0	0
56792	Stap1	0.042	0.252	0.139	0	0	0	0	0	0	NM_019992	signal transducing adaptor family member 1 (Stap1), mRNA.	Mme-M200008061	ILMN_2719803	0	0
106766	Stap2	-0.755	0.061	0.098	-1	0	0	0	0	0	NM_145934	signal transducing adaptor family member 2 (Stap2), mRNA.	Mme-M400002191	ILMN_2834687	0	0
20845	Star	-0.337	-0.007	-0.010	0	0	0	0	0	0	NM_011485	steroidogenic acute regulatory protein (Star), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400001385	ILMN_2703598	0	0
56018	Stard10	0.077	-0.401	-0.117	0	0	0	0	0	0	NM_019990	START domain containing 10 (Stard10), mRNA.	Mme-M200006218	ILMN_2759762	0	0
243362	Stard13	-0.081	0.087	0.047	0	0	0	0	0	0	NM_146258	StAR-related lipid transfer (START) domain containing 13 (Stard13), mRNA.	Mme-M300001492	ILMN_2745689	0	0
59045	Stard3	-0.131	-0.007	0.103	0	0	0	0	0	0	NM_021547	START domain containing 3 (Stard3), mRNA.	Mme-M200005779	ILMN_2892310	0	0
76205	Stard3nl	0.143	0.154	0.077	0	0	0	0	0	0	NM_024270	STARD3 N-terminal like (Stard3nl), mRNA.	Mme-M200013802	ILMN_2598775	0	0
170459	Stard4	0.003	-0.051	-0.050	0	0	0	0	0	0	NM_133774	StAR-related lipid transfer (START) domain containing 4 (Stard4), mRNA.	Mme-M300004096	ILMN_1240445	0	0
170460	Stard5	0.009	0.117	0.092	0	0	0	0	0	0	NM_023377	StAR-related lipid transfer (START) domain containing 5 (Stard5), mRNA.	Mme-M200005178	ILMN_2720674	0	0
170461	Stard6	-0.018	-0.159	0.054	0	0	0	0	0	0	NM_029019	StAR-related lipid transfer (START) domain containing 6 (Stard6), mRNA.	Mme-M200015621	ILMN_1215885	0	0
99138	Stard7	0.103	-0.100	0.028	0	0	0	0	0	0	NM_139308	START domain containing 7 (Stard7), mRNA.	Mme-M200013534	ILMN_2611159	0	0
236920	Stard8	-0.243	0.255	0.100	0	0	0	0	0	0	NM_199018	START domain containing 8 (Stard8), mRNA.	Mme-M300007618	ILMN_1257855	0	0
668880	Stard9	-0.294	-0.062	0.094	0	0	0	0	0	0	XM_001004201	PREDICTED: START domain containing 9 (Stard9), mRNA.	Mme-M300020962	ILMN_1241057	0	0
20846	Stat1	0.402	0.683	0.449	0	1	1	0	1	1	NM_009283	signal transducer and activator of transcription 1 (Stat1), mRNA.	Mme-M200002695	ILMN_2593196	2	0
20847	Stat2	0.172	0.662	0.301	0	1	0	0	1	0	NM_019963	signal transducer and activator of transcription 2 (Stat2), mRNA.	Mme-M200004256	ILMN_2657822	1	0
20848	Stat3	-0.116	0.236	-0.130	0	0	0	0	0	0	NM_011486	signal transducer and activator of transcription 3 (Stat3), transcript variant 3, mRNA.	Mme-M400013000	ILMN_2589790	0	0
20849	Stat4	-0.003	0.566	0.228	0	1	0	0	1	0	NM_011487	signal transducer and activator of transcription 4 (Stat4), mRNA.	Mme-M200000628	ILMN_1236059	1	0
20850	Stat5a	0.379	0.420	-0.350	0	1	-1	0	0	0	NM_011488	signal transducer and activator of transcription 5A (Stat5a), mRNA.	Mme-M200001895	ILMN_2976191	0	0
20851	Stat5b	0.344	-0.004	0.039	0	0	0	0	0	0	NM_001113563	signal transducer and activator of transcription 5B (Stat5b), mRNA.	Mme-M300002472	ILMN_2746194	0	0
20852	Stat6	0.100	-0.030	-0.055	0	0	0	0	0	0	NM_009284	signal transducer and activator of transcription 6 (Stat6), mRNA.	Mme-M200008936	ILMN_2897230	0	0
20853	Stau1	0.318	0.047	0.018	0	0	0	0	0	0	NM_011490	staufen (RNA binding protein) homolog 1 (Drosophila) (Stau1), transcript variant 3, mRNA.	Mme-M200013687	ILMN_2668197	0	0
29819	Stau2	0.012	-0.099	0.516	0	0	1	0	0	1	NM_025303	staufen (RNA binding protein) homolog 2 (Drosophila) (Stau2), transcript variant 3, mRNA.	Mme-M200013614	ILMN_2741249	1	0
52331	Stbd1	0.075	0.075	-0.069	0	0	0	0	0	0	NM_175096	starch binding domain 1 (Stbd1), mRNA.	Mme-M300018787	ILMN_2663211	0	0
20855	Stc1	-0.227	0.075	-0.083	0	0	0	0	0	0	NM_009285	stanniocalcin 1 (Stc1), mRNA.	Mme-M400000220	ILMN_2777319	0	0
20856	Stc2	0.007	0.061	-0.095	0	0	0	0	0	0	NM_011491	stanniocalcin 2 (Stc2), mRNA.	Mme-M300002124	ILMN_2739544	0	0
70358	Steap1	0.064	0.118	-0.062	0	0	0	0	0	0	NM_027399	six transmembrane epithelial antigen of the prostate 1 (Steap1), mRNA.	Mme-M300001435	ILMN_1221952	0	0
74051	Steap2	0.045	0.133	0.099	0	0	0	0	0	0	NM_001103156	six transmembrane epithelial antigen of prostate 2 (Steap2), transcript variant 3, mRNA.	Mme-M200013804	ILMN_1226182	0	0
68428	Steap3	-0.191	0.135	-0.079	0	0	0	0	0	0	NM_133186	STEAP family member 3 (Steap3), transcript variant 2, mRNA.	Mme-M300005075	ILMN_2584709	0	0
117167	Steap4	0.352	-0.055	0.034	0	0	0	0	0	0	NM_054098	STEAP family member 4 (Steap4), mRNA.	Mme-M300001178	ILMN_2657297	0	0
20862	Stfa2	-0.181	0.098	-0.056	0	0	0	0	0	0	NM_001082545	stefin A2 (Stfa2), mRNA.	Mme-M400000623	ILMN_2736774	0	0
268885	Stfa2l1	-0.019	0.047	0.092	0	0	0	0	0	0	NM_173869	stefin A2 like 1 (Stfa2l1), mRNA.	Mme-M400006907	ILMN_1242647	0	0
20863	Stfa3	-0.143	-0.061	-0.054	0	0	0	0	0	0	NM_025288	stefin A3 (Stfa3), mRNA.	Mme-M400004975	ILMN_2725608	0	0
20460	Stil	-0.259	0.026	0.006	0	0	0	0	0	0	NM_009185	Scl/Tal1 interrupting locus (Stil), mRNA.	Mme-M200001541	ILMN_2654075	0	0
20866	Stim1	0.293	0.029	0.226	0	0	0	0	0	0	NM_009287	stromal interaction molecule 1 (Stim1), mRNA.	Mme-M200000227	ILMN_2734646	0	0
116873	Stim2	0.044	-0.262	0.036	0	0	0	0	0	0	NM_001081103	stromal interaction molecule 2 (Stim2), mRNA.	Mme-M400007318	ILMN_2685958	0	0
20867	Stip1	0.040	0.186	-0.054	0	0	0	0	0	0	NM_016737	stress-induced phosphoprotein 1 (Stip1), mRNA.	Mme-M200001800	ILMN_2603953	0	0
20868	Stk10	-0.162	0.161	-0.055	0	0	0	0	0	0	NM_009288	serine/threonine kinase 10 (Stk10), mRNA.	Mme-M300002104	ILMN_1214907	0	0
20869	Stk11	0.293	-0.032	-0.070	0	0	0	0	0	0	NM_011492	serine/threonine kinase 11 (Stk11), mRNA.	Mme-M200006742	ILMN_2591570	0	0
71728	Stk11ip	-0.111	-0.055	-0.090	0	0	0	0	0	0	NM_027886	serine/threonine kinase 11 interacting protein (Stk11ip), mRNA.	Mme-M200001344	ILMN_2617441	0	0
20872	Stk16	0.119	-0.179	0.063	0	0	0	0	0	0	NM_011494	serine/threonine kinase 16 (Stk16), mRNA.	Mme-M200003504	ILMN_1236046	0	0
98267	Stk17b	-0.054	0.133	0.243	0	0	0	0	0	0	NM_133810	serine/threonine kinase 17b (apoptosis-inducing) (Stk17b), mRNA.	Mme-M200005146	ILMN_1255834	0	0
54402	Stk19	0.181	0.090	-0.163	0	0	0	0	0	0	NM_019442	serine/threonine kinase 19 (Stk19), mRNA.	Mme-M200011957	ILMN_2649355	0	0
22116	Stk22s1	-0.317	-0.157	-0.006	0	0	0	0	0	0	NM_011651	serine/threonine kinase 22 substrate 1 (Stk22s1), transcript variant 1, mRNA.	Mme-M400007000	ILMN_1235441	0	0
223255	Stk24	-0.148	-0.104	0.070	0	0	0	0	0	0	NM_145465	serine/threonine kinase 24 (STE20 homolog, yeast) (Stk24), mRNA.	Mme-M200006900	ILMN_2749235	0	0
59041	Stk25	0.356	0.141	0.014	0	0	0	0	0	0	NM_021537	serine/threonine kinase 25 (yeast) (Stk25), mRNA.	Mme-M200006153	ILMN_2598239	0	0
70415	Stk26	-0.005	0.052	0.014	0	0	0	0	0	0	NM_133729	RIKEN cDNA 2610018G03 gene (2610018G03Rik), mRNA.	Mme-M200014450	ILMN_2760806	0	0
56274	Stk3	0.091	0.118	0.023	0	0	0	0	0	0	NM_019635	serine/threonine kinase 3 (Ste20, yeast homolog) (Stk3), mRNA.	Mme-M400000560	ILMN_2958410	0	0
77485	Stk31	-0.461	0.067	-0.049	0	0	0	0	0	0	NM_029916	serine threonine kinase 31 (Stk31), mRNA.	Mme-M200009003	ILMN_2599231	0	0
269019	Stk32a	-0.167	-0.221	-0.104	0	0	0	0	0	0	NM_178749	serine/threonine kinase 32A (Stk32a), mRNA.	Mme-M300012449	ILMN_1260072	0	0
64293	Stk32b	-0.183	-0.057	-0.038	0	0	0	0	0	0	NM_022416	serine/threonine kinase 32B (Stk32b), mRNA.	Mme-M200008601	ILMN_2948212	0	0
57740	Stk32c	-0.330	-0.112	-0.258	0	0	0	0	0	0	NM_021302	serine/threonine kinase 32C (Stk32c), mRNA.	Mme-M200015152	ILMN_2796568	0	0
117229	Stk33	0.036	0.006	0.036	0	0	0	0	0	0	XM_358897	PREDICTED: serine/threonine kinase 33 (Stk33), mRNA.	Mme-M200015518	ILMN_2641890	0	0
67333	Stk35	0.091	-0.021	0.020	0	0	0	0	0	0	NM_183262	serine/threonine kinase 35 (Stk35), transcript variant 1, mRNA.	Mme-M300011196	ILMN_3076180	0	0
269209	Stk36	0.036	-0.100	-0.211	0	0	0	0	0	0	NM_175031	serine/threonine kinase 36 (fused homolog, Drosophila) (Stk36), mRNA.	Mme-M200007077	ILMN_2989871	0	0
106504	Stk38	0.068	0.007	-0.059	0	0	0	0	0	0	NM_134115	serine/threonine kinase 38 (Stk38), mRNA.	Mme-M200012128	ILMN_2719522	0	0
232533	Stk38l	0.162	0.019	-0.143	0	0	0	0	0	0	NM_172734	serine/threonine kinase 38 like (Stk38l), mRNA.	Mme-M300000213	ILMN_2794051	0	0
53416	Stk39	-0.075	-0.052	0.032	0	0	0	0	0	0	NM_016866	serine/threonine kinase 39, STE20/SPS1 homolog (yeast) (Stk39), mRNA.	Mme-M200006468	ILMN_2751494	0	0
58231	Stk4	-0.204	0.072	-0.038	0	0	0	0	0	0	NM_021420	serine/threonine kinase 4 (Stk4), mRNA.	Mme-M300001647	ILMN_3004142	0	0
74178	Stk40	-0.394	-0.252	-0.107	0	0	0	0	0	0	NM_028800	serine/threonine kinase 40 (Stk40), mRNA.	Mme-M200004316	ILMN_2793844	0	0
279029	Stkld1	0.158	-0.102	0.036	0	0	0	0	0	0	NM_198628	gene model 711, (NCBI) (Gm711), mRNA.	Mme-M300020619	ILMN_2641920	0	0
16765	Stmn1	0.142	0.009	0.056	0	0	0	0	0	0	NM_019641	stathmin 1 (Stmn1), mRNA.	Mme-M300006321	ILMN_1248132	0	0
20257	Stmn2	-0.135	0.110	-0.011	0	0	0	0	0	0	NM_025285	stathmin-like 2 (Stmn2), mRNA.	Mme-M200006543	ILMN_1253304	0	0
20262	Stmn3	-0.155	-0.068	-0.018	0	0	0	0	0	0	NM_009133	stathmin-like 3 (Stmn3), mRNA.	Mme-M200000876	ILMN_1225704	0	0
56471	Stmn4	-0.165	0.104	0.079	0	0	0	0	0	0	NM_019675	stathmin-like 4 (Stmn4), mRNA.	Mme-M200007752	ILMN_2590845	0	0
380842	Stmnd1	0.194	0.101	-0.058	0	0	0	0	0	0	NM_001005422	gene model 1574, (NCBI) (Gm1574), mRNA.	Mme-M400008314	ILMN_3144232	0	0
13830	Stom	0.357	-0.167	-0.098	0	0	0	0	0	0	NM_013515	stomatin (Stom), mRNA.	Mme-M300005369	ILMN_2641038	0	0
69106	Stoml1	-0.036	-0.036	-0.121	0	0	0	0	0	0	NM_026942	stomatin-like 1 (Stoml1), mRNA.	Mme-M200004560	ILMN_2747202	0	0
66592	Stoml2	0.181	-0.012	-0.063	0	0	0	0	0	0	NM_023231	stomatin (Epb7.2)-like 2 (Stoml2), mRNA.	Mme-M200006714	ILMN_2721799	0	0
229277	Stoml3	0.390	-0.728	-0.043	0	-1	0	0	-1	0	NM_153156	stomatin (Epb7.2)-like 3 (Stoml3), mRNA.	Mme-M300005768	ILMN_2868808	0	1
77057	Ston1	-0.080	-0.044	0.048	0	0	0	0	0	0	NM_029858	stonin 1 (Ston1), mRNA.	Mme-M200011238	ILMN_2671214	0	0
108800	Ston2	-0.006	-0.146	0.086	0	0	0	0	0	0	NM_175367	stonin 2 (Ston2), mRNA.	Mme-M300002486	ILMN_1226530	0	0
71069	Stox2	0.101	0.070	-0.076	0	0	0	0	0	0	NM_175162	storkhead box 2 (Stox2), transcript variant 2, mRNA.	Mme-M200014540	ILMN_2680102	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
78806	Stpg1	0.149	0.021	-0.105	0	0	0	0	0	0	NM_030189	RIKEN cDNA 4930555I21 gene (4930555I21Rik), mRNA.	Mme-M200011495	ILMN_1258302	0	0
381476	Stpg2	-0.016	-0.081	-0.055	0	0	0	0	0	0	NM_198659	RIKEN cDNA B930007M17 gene (B930007M17Rik), mRNA.	Mme-M300018766	ILMN_2642473	0	0
20892	Stra13	0.074	-0.007	-0.046	0	0	0	0	0	0	NM_016665	stimulated by retinoic acid 13 (Stra13), mRNA.	Mme-M200015361	ILMN_1237761	0	0
20897	Stra6	-0.122	0.089	0.028	0	0	0	0	0	0	NM_009291	stimulated by retinoic acid gene 6 (Stra6), mRNA.	Mme-M200003001	ILMN_2753792	0	0
74152	Stra6l	-0.204	0.042	0.034	0	0	0	0	0	0	NM_028788	RIKEN cDNA 1300002K09 gene (1300002K09Rik), mRNA.	Mme-M200015121	ILMN_1228127	0	0
20899	Stra8	-0.345	-0.050	0.040	0	0	0	0	0	0	NM_009292	stimulated by retinoic acid gene 8 (Stra8), mRNA.	Mme-M200002191	ILMN_1239462	0	0
72149	Strada	0.148	0.070	0.013	0	0	0	0	0	0	NM_028126	RIKEN cDNA 2610019A05 gene (2610019A05Rik), mRNA.	Mme-M400008796	ILMN_2731592	0	0
227154	Stradb	0.185	0.191	0.096	0	0	0	0	0	0	NM_172656	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human) (Als2cr2), mRNA.	Mme-M300004907	ILMN_2663920	0	0
20901	Strap	0.309	0.110	0.025	0	0	0	0	0	0	NM_011499	serine/threonine kinase receptor associated protein (Strap), mRNA.	Mme-M300007082	ILMN_1212636	0	0
20744	Strbp	0.148	-0.209	-0.187	0	0	0	0	0	0	NM_009261	spermatid perinuclear RNA binding protein (Strbp), mRNA.	Mme-M300005376	ILMN_1248824	0	0
140476	Strc	-0.006	0.009	-0.009	0	0	0	0	0	0	NM_080459	stereocilin (Strc), mRNA.	Mme-M200013266	ILMN_2756762	0	0
229707	Strip1	-0.201	0.004	-0.164	0	0	0	0	0	0	NM_153563	RIKEN cDNA 6330569M22 gene (6330569M22Rik), mRNA.	Mme-M400000213	ILMN_2612513	0	0
320609	Strip2	-0.257	0.122	-0.040	0	0	0	0	0	0	NM_001037740	RIKEN cDNA D330017J20 gene (D330017J20Rik), transcript variant 2, mRNA.	Mme-M400015990	ILMN_2760953	0	0
268980	Strn	-0.028	-0.022	0.049	0	0	0	0	0	0	NM_011500	striatin, calmodulin binding protein (Strn), mRNA.	Mme-M400000718	ILMN_1233677	0	0
94186	Strn3	0.190	-0.090	0.170	0	0	0	0	0	0	NM_052973	striatin, calmodulin binding protein 3 (Strn3), mRNA.	Mme-M200004593	ILMN_2669569	0	0
97387	Strn4	0.302	0.299	0.036	0	0	0	0	0	0	NM_001039878	striatin, calmodulin binding protein 4 (Strn4), transcript variant 2, mRNA.	Mme-M200004173	ILMN_3159156	0	0
20905	Sts	-0.144	-0.040	-0.056	0	0	0	0	0	0	NM_009293	steroid sulfatase (Sts), mRNA.	Mme-M400010921	ILMN_2650049	0	0
68292	Stt3b	0.170	-0.189	-0.047	0	0	0	0	0	0	NM_024222	STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae) (Stt3b), mRNA.	Mme-M200006603	ILMN_2609516	0	0
56424	Stub1	0.300	0.035	-0.147	0	0	0	0	0	0	NM_019719	STIP1 homology and U-Box containing protein 1 (Stub1), mRNA.	Mme-M200006269	ILMN_2628532	0	0
74732	Stx11	-0.351	0.052	0.250	0	0	0	0	0	0	XM_001472888	PREDICTED: syntaxin 11 (Stx11), mRNA.	Mme-M200015714	ILMN_2734340	0	0
228960	Stx16	-0.039	0.011	0.045	0	0	0	0	0	0	NM_001102425	syntaxin 16 (Stx16), transcript variant 4, mRNA.	Mme-M300005676	ILMN_2735822	0	0
67727	Stx17	0.224	-0.041	-0.094	0	0	0	0	0	0	NM_026343	syntaxin 17 (Stx17), mRNA.	Mme-M400013449	ILMN_2730535	0	0
71116	Stx18	0.215	0.011	0.023	0	0	0	0	0	0	NM_026959	syntaxin 18 (Stx18), mRNA.	Mme-M300006506	ILMN_2612350	0	0
68159	Stx19	-0.022	-0.070	-0.019	0	0	0	0	0	0	NM_026588	syntaxin 19 (Stx19), mRNA.	Mme-M200014633	ILMN_2913528	0	0
20907	Stx1a	0.055	-0.012	-0.133	0	0	0	0	0	0	NM_016801	syntaxin 1A (brain) (Stx1a), mRNA.	Mme-M200002322	ILMN_2700608	0	0
56216	Stx1b	-0.278	-0.013	0.113	0	0	0	0	0	0	NM_024414	syntaxin 1B (Stx1b), mRNA.	Mme-M400001313	ILMN_2634877	0	0
13852	Stx2	-0.144	0.023	-0.025	0	0	0	0	0	0	NM_007941	syntaxin 2 (Stx2), mRNA.	Mme-M200001153	ILMN_2657575	0	0
20908	Stx3	-0.067	0.072	-0.093	0	0	0	0	0	0	NM_011502	syntaxin 3 (Stx3), transcript variant C, mRNA.	Mme-M400009121	ILMN_2665125	0	0
20909	Stx4a	0.072	0.112	0.159	0	0	0	0	0	0	NM_009294	syntaxin 4A (placental) (Stx4a), mRNA.	Mme-M200005021	ILMN_2822053	0	0
56389	Stx5a	0.208	0.107	-0.096	0	0	0	0	0	0	NM_019829	syntaxin 5A (Stx5a), mRNA.	Mme-M200009846	ILMN_1255725	0	0
58244	Stx6	0.106	-0.180	-0.094	0	0	0	0	0	0	NM_021433	syntaxin 6 (Stx6), mRNA.	Mme-M300005126	ILMN_2704177	0	0
53331	Stx7	-0.137	0.314	-0.005	0	0	0	0	0	0	NM_016797	syntaxin 7 (Stx7), mRNA.	Mme-M200003010	ILMN_2645255	0	0
55943	Stx8	0.214	0.267	-0.132	0	0	0	0	0	0	NM_018768	syntaxin 8 (Stx8), mRNA.	Mme-M300002459	ILMN_3064056	0	0
20910	Stxbp1	0.099	0.190	0.065	0	0	0	0	0	0	NM_009295	syntaxin binding protein 1 (Stxbp1), transcript variant 2, mRNA.	Mme-M200001203	ILMN_2644632	0	0
20911	Stxbp2	0.188	0.103	-0.025	0	0	0	0	0	0	NM_011503	syntaxin binding protein 2 (Stxbp2), mRNA.	Mme-M200002507	ILMN_2657728	0	0
20912	Stxbp3a	0.271	0.040	-0.035	0	0	0	0	0	0	NM_011504	syntaxin binding protein 3A (Stxbp3a), mRNA.	Mme-M200003069	ILMN_2715195	0	0
20913	Stxbp4	-0.058	0.014	-0.082	0	0	0	0	0	0	NM_011505	syntaxin binding protein 4 (Stxbp4), mRNA.	Mme-M200015935	ILMN_2753444	0	0
78808	Stxbp5	0.097	-0.139	0.048	0	0	0	0	0	0	NM_001081344	syntaxin binding protein 5 (tomosyn) (Stxbp5), mRNA.	Mme-M400000334	ILMN_2437792	0	0
207227	Stxbp5l	-0.405	0.117	-0.048	0	0	0	0	0	0	NM_001114611	syntaxin binding protein 5-like (Stxbp5l), transcript variant s, mRNA.	Mme-M300003537	ILMN_3000703	0	0
217517	Stxbp6	-0.219	0.042	-0.128	0	0	0	0	0	0	NM_144552	syntaxin binding protein 6 (amisyn) (Stxbp6), mRNA.	Mme-M400003148	ILMN_2777454	0	0
243659	Styk1	0.130	-0.053	-0.058	0	0	0	0	0	0	NM_172891	serine/threonine/tyrosine kinase 1 (Styk1), mRNA.	Mme-M300008500	ILMN_2636934	0	0
56291	Styx	0.020	-0.170	0.105	0	0	0	0	0	0	NM_019637	phosphoserine/threonine/tyrosine interaction protein (Styx), mRNA.	Mme-M400004381	ILMN_1260579	0	0
76571	Styxl1	-0.124	-0.041	0.113	0	0	0	0	0	0	NM_029659	serine/threonine/tyrosine interacting-like 1 (Styxl1), mRNA.	Mme-M200009718	ILMN_2680229	0	0
20024	Sub1	0.011	-0.070	0.036	0	0	0	0	0	0	NM_011294	SUB1 homolog (S. cerevisiae) (Sub1), mRNA.	Mme-M300003141	ILMN_2590860	0	0
20916	Sucla2	0.277	-0.038	-0.044	0	0	0	0	0	0	NM_011506	succinate-Coenzyme A ligase, ADP-forming, beta subunit (Sucla2), nuclear gene encoding mitochondrial protein,	Mme-M200003743	ILMN_2596942	0	0
56451	Suclg1	0.119	0.148	-0.123	0	0	0	0	0	0	NM_019879	succinate-CoA ligase, GDP-forming, alpha subunit (Suclg1), mRNA.	Mme-M400004232	ILMN_1216493	0	0
20917	Suclg2	0.226	0.017	-0.010	0	0	0	0	0	0	NM_011507	succinate-Coenzyme A ligase, GDP-forming, beta subunit (Suclg2), mRNA.	Mme-M300006973	ILMN_3122427	0	0
84112	Sucnr1	0.035	-0.066	-0.051	0	0	0	0	0	0	NM_032400	succinate receptor 1 (Sucnr1), mRNA.	Mme-M200008967	ILMN_1241789	0	0
226551	Suco	0.140	-0.070	-0.154	0	0	0	0	0	0	XM_975051	PREDICTED: expressed sequence AI848100 (AI848100), mRNA.	Mme-M400004450	ILMN_1242378	0	0
24069	Sufu	-0.336	-0.056	0.042	0	0	0	0	0	0	NM_001025391	suppressor of fused homolog (Drosophila) (Sufu), transcript variant 2, mRNA.	Mme-M200015920	ILMN_2636718	0	0
192136	Sugct	0.136	-0.091	0.037	0	0	0	0	0	0	NM_138654	RIKEN cDNA 5033411D12 gene (5033411D12Rik), mRNA.	Mme-M400005064	ILMN_2749935	0	0
70616	Sugp1	0.034	-0.078	0.018	0	0	0	0	0	0	NM_027481	splicing factor 4 (Sf4), mRNA.	Mme-M200003529	ILMN_2607953	0	0
234373	Sugp2	0.107	-0.007	-0.006	0	0	0	0	0	0	NM_172755	splicing factor, arginine/serine-rich 14 (Sfrs14), mRNA.	Mme-M400012241	ILMN_2604227	0	0
67955	Sugt1	0.187	-0.074	0.012	0	0	0	0	0	0	NM_026474	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae) (Sugt1), mRNA.	Mme-M300003069	ILMN_1229259	0	0
240725	Sulf1	0.317	0.008	0.071	0	0	0	0	0	0	NM_172294	sulfatase 1 (Sulf1), mRNA.	Mme-M300001539	ILMN_1222489	0	0
72043	Sulf2	-0.162	-0.024	0.045	0	0	0	0	0	0	NM_028072	sulfatase 2 (Sulf2), mRNA.	Mme-M300000855	ILMN_1239293	0	0
20887	Sult1a1	0.052	-0.013	0.164	0	0	0	0	0	0	NM_133670	sulfotransferase family 1A, phenol-preferring, member 1 (Sult1a1), mRNA.	Mme-M300007376	ILMN_2745370	0	0
56362	Sult1b1	-0.145	0.122	-0.095	0	0	0	0	0	0	NM_019878	sulfotransferase family 1B, member 1 (Sult1b1), mRNA.	Mme-M400001154	ILMN_2670929	0	0
20888	Sult1c1	0.192	-0.037	0.032	0	0	0	0	0	0	NM_018751	sulfotransferase family, cytosolic, 1C, member 1 (Sult1c1), mRNA.	Mme-M300003827	ILMN_2713826	0	0
69083	Sult1c2	0.043	-0.047	-0.107	0	0	0	0	0	0	NM_026935	sulfotransferase family, cytosolic, 1C, member 2 (Sult1c2), mRNA.	Mme-M200003758	ILMN_2612973	0	0
53315	Sult1d1	-0.057	-0.380	-0.133	0	0	0	0	0	0	NM_016771	sulfotransferase family 1D, member 1 (Sult1d1), mRNA.	Mme-M300006589	ILMN_2955850	0	0
20860	Sult1e1	-0.288	-0.089	0.027	0	0	0	0	0	0	NM_023135	sulfotransferase family 1E, member 1 (Sult1e1), mRNA.	Mme-M300006587	ILMN_1216300	0	0
20859	Sult2a1	-0.718	-0.007	0.048	-1	0	0	0	0	0	NM_001111296	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 (Sult2a1), mRNA.	Mme-M400002518	ILMN_2476781	0	0
434121	Sult2a4	-0.022	0.000	-0.026	0	0	0	0	0	0	NM_001101534	predicted gene, EG434121 (EG434121), mRNA.	Mme-M400006529	ILMN_1242564	0	0
629219	Sult2a6	-0.203	0.047	0.036	0	0	0	0	0	0	NM_001081325	predicted gene, EG629219 (EG629219), mRNA.	Mme-M400007501	ILMN_2973804	0	0
54200	Sult2b1	0.035	-0.317	-0.055	0	0	0	0	0	0	NM_017465	sulfotransferase family, cytosolic, 2B, member 1 (Sult2b1), mRNA.	Mme-M200002521	ILMN_2791179	0	0
29859	Sult4a1	-0.329	-0.097	0.056	0	0	0	0	0	0	NM_013873	sulfotransferase family 4A, member 1 (Sult4a1), mRNA.	Mme-M300001744	ILMN_1258935	0	0
57429	Sult5a1	-0.330	-0.247	-0.186	0	0	0	0	0	0	NM_020564	sulfotransferase family 5A, member 1 (Sult5a1), mRNA.	Mme-M200002386	ILMN_2922178	0	0
73671	Sult6b1	-0.736	-0.114	0.096	-1	0	0	0	0	0	XM_356960	PREDICTED: RIKEN cDNA 2410078J06 gene, transcript variant 1 (2410078J06Rik), mRNA.	Mme-M300011306	ILMN_1242367	0	0
58911	Sumf1	0.127	-0.024	0.054	0	0	0	0	0	0	NM_145937	sulfatase modifying factor 1 (Sumf1), mRNA.	Mme-M300007004	ILMN_2632276	0	0
67902	Sumf2	0.171	-0.068	0.135	0	0	0	0	0	0	NM_026445	sulfatase modifying factor 2 (Sumf2), mRNA.	Mme-M200008538	ILMN_3115185	0	0
22218	Sumo1	0.221	0.135	0.109	0	0	0	0	0	0	NM_009460	SMT3 suppressor of mif two 3 homolog 1 (yeast) (Sumo1), mRNA.	Mme-M200002531	ILMN_2632940	0	0
170930	Sumo2	0.202	0.226	0.102	0	0	0	0	0	0	NM_133354	SMT3 suppressor of mif two 3 homolog 2 (yeast) (Sumo2), mRNA.	Mme-M300002370	ILMN_1221126	0	0
20610	Sumo3	0.192	0.159	-0.213	0	0	0	0	0	0	NM_019929	SMT3 suppressor of mif two 3 homolog 3 (yeast) (Sumo3), mRNA.	Mme-M300002101	ILMN_2776231	0	0
77053	Sun1	-0.290	-0.141	-0.080	0	0	0	0	0	0	NM_024451	unc-84 homolog A (C. elegans) (Unc84a), mRNA.	Mme-M300010544	ILMN_2437856	0	0
223697	Sun2	-0.052	0.255	0.027	0	0	0	0	0	0	NM_194342	unc-84 homolog B (C. elegans) (Unc84b), mRNA.	Mme-M300013747	ILMN_1244343	0	0
194974	Sun3	-0.051	-0.079	0.033	0	0	0	0	0	0	NM_177576	Sad1 and UNC84 domain containing 1 (Sunc1), mRNA.	Mme-M300012961	ILMN_1222836	0	0
76407	Sun5	-0.049	0.019	-0.070	0	0	0	0	0	0	NM_029599	sperm associated antigen 4-like (Spag4l), mRNA.	Mme-M200007388	ILMN_3106706	0	0
211389	Suox	0.160	0.166	-0.037	0	0	0	0	0	0	NM_173733	sulfite oxidase (Suox), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300020579	ILMN_2912532	0	0
114741	Supt16	-0.038	0.049	0.041	0	0	0	0	0	0	NM_033618	suppressor of Ty 16 homolog (S. cerevisiae) (Supt16h), mRNA.	Mme-M200014231	ILMN_2765463	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56790	Supt20	-0.073	-0.014	0.035	0	0	0	0	0	0	NM_019995	DNA segment, Chr 3, ERATO Doi 300, expressed (D3Ertd300e), mRNA.	Mme-M200007932	ILMN_1219063	0	0
109115	Supt3	0.183	-0.177	-0.166	0	0	0	0	0	0	NM_178652	suppressor of Ty 3 homolog (S. cerevisiae) (Supt3h), mRNA.	Mme-M300011862	ILMN_1213872	0	0
20922	Supt4a	0.079	0.127	0.141	0	0	0	0	0	0	NM_009296	suppressor of Ty 4 homolog 1 (S. cerevisiae) (Supt4h1), mRNA.	Mme-M300002218	ILMN_1247505	0	0
20924	Supt5	0.143	0.111	-0.085	0	0	0	0	0	0	NM_013676	suppressor of Ty 5 homolog (S. cerevisiae) (Supt5h), mRNA.	Mme-M200000171	ILMN_2950441	0	0
20926	Supt6	-0.056	-0.055	-0.119	0	0	0	0	0	0	NM_009297	suppressor of Ty 6 homolog (S. cerevisiae) (Supt6h), mRNA.	Mme-M300000271	ILMN_1242264	0	0
72195	Supt7l	-0.193	0.002	-0.041	0	0	0	0	0	0	NM_028150	suppressor of Ty 7 (S. cerevisiae)-like (Supt7l), mRNA.	Mme-M200011609	ILMN_2747697	0	0
338359	Supv3l1	0.105	-0.229	0.058	0	0	0	0	0	0	NM_181423	suppressor of var1, 3-like 1 (S. cerevisiae) (Supv3l1), mRNA.	Mme-M300001990	ILMN_2618745	0	0
20930	Surf1	0.093	0.037	-0.195	0	0	0	0	0	0	NM_013677	surfeit gene 1 (Surf1), mRNA.	Mme-M200002445	ILMN_2883561	0	0
20931	Surf2	0.214	0.142	-0.100	0	0	0	0	0	0	NM_013678	surfeit gene 2 (Surf2), mRNA.	Mme-M200012785	ILMN_2611931	0	0
20932	Surf4	0.321	-0.206	-0.325	0	0	-1	0	0	0	NM_011512	surfeit gene 4 (Surf4), mRNA.	Mme-M200001059	ILMN_2595846	0	0
20935	Surf6	0.300	0.115	-0.138	0	0	0	0	0	0	NM_009298	surfeit gene 6 (Surf6), mRNA.	Mme-M200000524	ILMN_2753108	0	0
634731	Susd1	-0.089	-0.048	-0.036	0	0	0	0	0	0	XM_909547	PREDICTED: similar to sushi domain containing 1 (LOC634731), mRNA.	Mme-M400002158	ILMN_1224714	0	0
71733	Susd2	0.062	0.290	-0.168	0	0	0	0	0	0	NM_027890	sushi domain containing 2 (Susd2), mRNA.	Mme-M200007054	ILMN_2709166	0	0
66329	Susd3	-0.246	-0.007	0.041	0	0	0	0	0	0	NM_025491	sushi domain containing 3 (Susd3), mRNA.	Mme-M300002734	ILMN_2706550	0	0
96935	Susd4	0.089	0.075	0.171	0	0	0	0	0	0	NM_144796	sushi domain containing 4 (Susd4), mRNA.	Mme-M200015600	ILMN_2677824	0	0
382111	Susd5	0.098	-0.014	-0.004	0	0	0	0	0	0	NM_001101510	sushi domain containing 5 (Susd5), mRNA.	Mme-M400002655	ILMN_2541618	0	0
217684	Susd6	-0.208	0.115	-0.118	0	0	0	0	0	0	NM_178682	RIKEN cDNA 4933426M11 gene (4933426M11Rik), mRNA.	Mme-M300002572	ILMN_1254551	0	0
20937	Suv39h1	0.179	0.140	-0.042	0	0	0	0	0	0	NM_011514	suppressor of variegation 3-9 homolog 1 (Drosophila) (Suv39h1), mRNA.	Mme-M300012050	ILMN_2692306	0	0
64707	Suv39h2	-0.217	-0.047	-0.071	0	0	0	0	0	0	NM_022724	suppressor of variegation 3-9 homolog 2 (Drosophila) (Suv39h2), mRNA.	Mme-M300005224	ILMN_2655823	0	0
225888	Suv420h1	0.119	-0.203	0.088	0	0	0	0	0	0	NM_144871	suppressor of variegation 4-20 homolog 1 (Drosophila) (Suv420h1), mRNA.	Mme-M300016075	ILMN_1250037	0	0
232811	Suv420h2	-0.026	-0.182	0.011	0	0	0	0	0	0	NM_001115018	suppressor of variegation 4-20 homolog 2 (Drosophila) (Suv420h2), transcript variant 2, mRNA.	Mme-M300009886	ILMN_1260420	0	0
52615	Suz12	0.304	-0.102	-0.107	0	0	0	0	0	0	NM_199196	suppressor of zeste 12 homolog (Drosophila) (Suz12), mRNA.	Mme-M200004262	ILMN_3009010	0	0
64051	Sv2a	0.121	0.529	-0.131	0	1	0	0	0	0	NM_022030	synaptic vesicle glycoprotein 2 a (Sv2a), mRNA.	Mme-M200012879	ILMN_1213495	0	0
64176	Sv2b	-0.036	-0.077	0.008	0	0	0	0	0	0	NM_001109753	synaptic vesicle glycoprotein 2 b (Sv2b), transcript variant 2, mRNA.	Mme-M300008399	ILMN_2714589	0	0
20939	Sva	0.128	-0.023	-0.001	0	0	0	0	0	0	NM_009299	seminal vesicle antigen (Sva), mRNA.	Mme-M200001601	ILMN_2704786	0	0
71578	Sval1	0.103	-0.099	0.043	0	0	0	0	0	0	NM_027832	seminal vesicle antigen-like 1 (Sval1), mRNA.	Mme-M200016143	ILMN_1238794	0	0
84543	Sval2	0.021	-0.044	0.047	0	0	0	0	0	0	NM_032542	seminal vesicle antigen-like 2 (Sval2), mRNA.	Mme-M200009237	ILMN_3160610	0	0
387564	Sval3	0.001	0.050	0.039	0	0	0	0	0	0	NM_001003952	seminal vesicle antigen-like 3 (Sval3), mRNA.	Mme-M300010551	ILMN_3160444	0	0
64817	Svep1	0.253	0.029	-0.135	0	0	0	0	0	0	NM_022814	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 (Svep1), mRNA.	Mme-M200003816	ILMN_2691951	0	0
225115	Svil	-0.114	0.103	-0.099	0	0	0	0	0	0	NM_153153	supervillin (Svil), transcript variant 1, mRNA.	Mme-M400000729	ILMN_1243373	0	0
68666	Svop	-0.255	-0.029	-0.042	0	0	0	0	0	0	NM_026805	SV2 related protein (Svop), mRNA.	Mme-M300013493	ILMN_2765454	0	0
243377	Svs1	-0.299	-0.004	-0.059	0	0	0	0	0	0	NM_172888	seminal vesicle secretory protein 1 (Svs1), mRNA.	Mme-M300012029	ILMN_1235578	0	0
53878	Svs2	-0.373	0.066	0.062	0	0	0	0	0	0	NM_017390	seminal vesicle secretory protein 2 (Svs2), mRNA.	Mme-M200009433	ILMN_2822359	0	0
64335	Svs3a	-0.047	0.038	0.077	0	0	0	0	0	0	NM_021363	seminal vesicle secretion 3A (Svs3a), mRNA.	Mme-M300001544	ILMN_1227232	0	0
329557	Svs3b	-0.419	0.006	-0.008	0	0	0	0	0	0	NM_173377	seminal vesicle secretory protein 3B (Svs3b), mRNA.	Mme-M400009207	ILMN_1258886	0	0
20941	Svs4	0.081	0.048	-0.006	0	0	0	0	0	0	NM_009300	seminal vesicle secretory protein 4 (Svs4), mRNA.	Mme-M200000489	ILMN_2620984	0	0
20944	Svs5	-0.048	-0.025	-0.113	0	0	0	0	0	0	NM_009301	seminal vesicle secretory protein 5 (Svs5), mRNA.	Mme-M200009285	ILMN_1227330	0	0
20945	Svs6	-0.003	-0.055	-0.046	0	0	0	0	0	0	NM_013679	seminal vesicle secretory protein 6 (Svs6), mRNA.	Mme-M200001454	ILMN_2894867	0	0
20947	Swap70	-0.063	-0.234	0.141	0	0	0	0	0	0	NM_009302	SWA-70 protein (Swap70), mRNA.	Mme-M200014932	ILMN_2903364	0	0
72931	Swi5	0.226	0.018	0.013	0	0	0	0	0	0	NM_175190	RIKEN cDNA 2900010J23 gene (2900010J23Rik), mRNA.	Mme-M300015635	ILMN_2733835	0	0
66962	Swsap1	-0.011	-0.064	-0.099	0	0	0	0	0	0	XM_150151	PREDICTED: RIKEN cDNA 2310047B19 gene (2310047B19Rik), mRNA.	Mme-M300021887	ILMN_2716692	0	0
66875	Swt1	0.034	-0.157	0.119	0	0	0	0	0	0	NM_025819	RIKEN cDNA 1200016B10 gene (1200016B10Rik), mRNA.	Mme-M200005315	ILMN_2798079	0	0
67043	Syap1	0.424	0.103	0.111	0	0	0	0	0	0	NM_025932	synapse associated protein 1 (Syap1), mRNA.	Mme-M200014053	ILMN_2759749	0	0
319613	Sybu	-0.056	-0.125	-0.191	0	0	0	0	0	0	NM_001032727	RIKEN cDNA 5730410E15 gene (5730410E15Rik), transcript variant b, mRNA.	Mme-M300003223	ILMN_2747501	0	0
668110	Syce1l	0.074	0.016	-0.075	0	0	0	0	0	0	NM_029139	RIKEN cDNA 4930481F22 gene (4930481F22Rik), transcript variant 2, mRNA.	Mme-M200013141	ILMN_3065871	0	0
71846	Syce2	0.173	0.056	0.085	0	0	0	0	0	0	NM_027954	synaptonemal complex central element protein 2 (Syce2), mRNA.	Mme-M200005692	ILMN_2731135	0	0
75459	Syce3	0.192	-0.018	0.001	0	0	0	0	0	0	XM_619346	PREDICTED: RIKEN cDNA 1700007E06 gene (1700007E06Rik), mRNA.	Mme-M400014383	ILMN_2444375	0	0
68416	Sycn	-0.024	-0.005	0.056	0	0	0	0	0	0	NM_026716	syncollin (Sycn), mRNA.	Mme-M300018161	ILMN_1232533	0	0
20957	Sycp1	-0.069	0.081	0.021	0	0	0	0	0	0	NM_011516	synaptonemal complex protein 1 (Sycp1), mRNA.	Mme-M200001814	ILMN_2637835	0	0
320558	Sycp2	0.171	0.080	0.046	0	0	0	0	0	0	NM_177191	synaptonemal complex protein 2 (Sycp2), mRNA.	Mme-M300005681	ILMN_1257018	0	0
20962	Sycp3	-0.058	0.018	-0.034	0	0	0	0	0	0	NM_011517	synaptonemal complex protein 3 (Sycp3), mRNA.	Mme-M200009552	ILMN_2729882	0	0
71709	Syde1	0.015	0.083	-0.084	0	0	0	0	0	0	XM_359260	PREDICTED: synapse defective 1, Rho GTPase, homolog 1 (C. elegans) (Syde1), mRNA.	Mme-M200015726	ILMN_2596183	0	0
214804	Syde2	0.101	-0.022	-0.121	0	0	0	0	0	0	XM_001004384	PREDICTED: synapse defective 1, Rho GTPase, homolog 2 (C. elegans) (Syde2), mRNA.	Mme-M300010579	ILMN_2766942	0	0
68592	Syf2	0.139	0.141	0.034	0	0	0	0	0	0	NM_026780	SYF2 homolog, RNA splicing factor (S. cerevisiae) (Syf2), mRNA.	Mme-M200006766	ILMN_2956381	0	0
20963	Syk	-0.216	0.088	0.035	0	0	0	0	0	0	NM_011518	spleen tyrosine kinase (Syk), mRNA.	Mme-M300002769	ILMN_1252460	0	0
68188	Sympk	-0.105	0.016	-0.074	0	0	0	0	0	0	XM_485873	PREDICTED: symplekin (Sympk), mRNA.	Mme-M400000645	ILMN_1245437	0	0
20965	Syn2	0.126	-0.177	0.312	0	0	1	0	0	0	NM_013681	synapsin II (Syn2), transcript variant IIb, mRNA.	Mme-M200003986	ILMN_1215972	0	0
27204	Syn3	-0.116	0.015	0.091	0	0	0	0	0	0	NM_013722	synapsin III (Syn3), mRNA.	Mme-M300009954	ILMN_2993083	0	0
214292	Syna	-0.030	0.048	0.025	0	0	0	0	0	0	NM_001013751	gene model 52, (NCBI) (Gm52), mRNA.	Mme-M400003704	ILMN_3160198	0	0
239167	Synb	-0.086	0.085	-0.082	0	0	0	0	0	0	NM_173420	RIKEN cDNA D930020E02 gene (D930020E02Rik), mRNA.	Mme-M300018802	ILMN_2663033	0	0
68828	Sync	-0.032	-0.240	0.302	0	0	0	0	0	0	NM_023485	syncoilin (Sync), mRNA.	Mme-M200009060	ILMN_2689917	0	0
56403	Syncrip	0.182	-0.086	-0.153	0	0	0	0	0	0	NM_019796	synaptotagmin binding, cytoplasmic RNA interacting protein (Syncrip), transcript variant 2, mRNA.	Mme-M400011335	ILMN_1258420	0	0
64009	Syne1	-0.230	0.063	0.223	0	0	0	0	0	0	NM_022027	synaptic nuclear envelope 1 (Syne1), transcript variant 2, mRNA.	Mme-M400000330	ILMN_2636200	0	0
319565	Syne2	-0.258	-0.215	0.202	0	0	0	0	0	0	NM_001005510	synaptic nuclear envelope 2 (Syne2), mRNA.	Mme-M300008876	ILMN_1232181	0	0
212073	Syne3	0.060	-0.051	0.092	0	0	0	0	0	0	NM_172500	RIKEN cDNA 4831426I19 gene (4831426I19Rik), transcript variant 2, mRNA.	Mme-M400004722	ILMN_3156782	0	0
233066	Syne4	-0.244	-0.048	-0.029	0	0	0	0	0	0	NM_153577	expressed sequence AI428936 (AI428936), mRNA.	Mme-M300001813	ILMN_2619639	0	0
240057	Syngap1	0.580	0.023	-0.016	0	0	0	0	0	0	XM_915205	PREDICTED: synaptic Ras GTPase activating protein 1 homolog (rat) (Syngap1), mRNA.	Mme-M400000726	ILMN_1216696	0	0
20972	Syngr1	-0.244	0.085	0.174	0	0	0	0	0	0	NM_207708	synaptogyrin 1 (Syngr1), transcript variant 1a, mRNA.	Mme-M300003269	ILMN_2652711	0	0
20973	Syngr2	0.334	0.298	-0.062	0	0	0	0	0	0	NM_009304	synaptogyrin 2 (Syngr2), mRNA.	Mme-M200000793	ILMN_2706231	0	0
20974	Syngr3	-0.081	0.200	-0.033	0	0	0	0	0	0	NM_011522	synaptogyrin 3 (Syngr3), mRNA.	Mme-M200005232	ILMN_2655862	0	0
58867	Syngr4	-0.702	0.125	-0.071	-1	0	0	0	0	0	NM_021482	synaptogyrin 4 (Syngr4), mRNA.	Mme-M400002348	ILMN_1223537	0	0
20975	Synj2	0.140	-0.340	-0.069	0	0	0	0	0	0	NM_001113351	synaptojanin 2 (Synj2), transcript variant 4, mRNA.	Mme-M300003756	ILMN_2673385	0	0
24071	Synj2bp	0.158	0.174	-0.111	0	0	0	0	0	0	NM_025292	synaptojanin 2 binding protein (Synj2bp), mRNA.	Mme-M200009333	ILMN_1252068	0	0
233335	Synm	-0.061	-0.261	0.556	0	0	1	0	0	1	NM_183312	desmuslin (Dmn), transcript variant 3, mRNA.	Mme-M400007372	ILMN_1214880	1	0
104027	Synpo	0.009	-0.099	-0.068	0	0	0	0	0	0	NM_177340	synaptopodin (Synpo), transcript variant A, mRNA.	Mme-M300014164	ILMN_2422982	0	0
118449	Synpo2	0.539	0.311	0.101	0	0	0	0	0	0	XM_619958	PREDICTED: synaptopodin 2, transcript variant 1 (Synpo2), mRNA.	Mme-M200013214	ILMN_1259318	0	0
68760	Synpo2l	0.161	0.120	-0.128	0	0	0	0	0	0	NM_175132	synaptopodin 2-like (Synpo2l), mRNA.	Mme-M300012133	ILMN_1214563	0	0
72003	Synpr	-0.382	0.039	0.038	0	0	0	0	0	0	NM_028052	synaptoporin (Synpr), mRNA.	Mme-M400005462	ILMN_2698947	0	0
217030	Synrg	0.000	-0.120	0.207	0	0	0	0	0	0	NM_194341	AP1 gamma subunit binding protein 1 (Ap1gbp1), transcript variant 2, mRNA.	Mme-M300009619	ILMN_2935734	0	0
20977	Syp	0.081	0.379	0.011	0	0	0	0	0	0	NM_009305	synaptophysin (Syp), mRNA.	Mme-M200000900	ILMN_2630182	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
19027	Sypl	0.258	-0.053	0.099	0	0	0	0	0	0	NM_198710	synaptophysin-like protein (Sypl), transcript variant 2, mRNA.	Mme-M300002250	ILMN_1254669	0	0
17306	Sypl2	-0.014	0.391	-0.200	0	0	0	0	0	0	NM_008596	synaptophysin-like 2 (Sypl2), mRNA.	Mme-M200004018	ILMN_2625299	0	0
66460	Sys1	0.139	-0.272	-0.123	0	0	0	0	0	0	NM_025575	SYS1 Golgi-localized integral membrane protein homolog (S. cerevisiae) (Sys1), mRNA.	Mme-M200014058	ILMN_2674425	0	0
20979	Syt1	0.496	0.109	0.107	0	0	0	0	0	0	NM_009306	synaptotagmin I (Syt1), mRNA.	Mme-M400010922	ILMN_2608416	0	0
54526	Syt10	-0.324	-0.062	-0.036	0	0	0	0	0	0	NM_018803	synaptotagmin X (Syt10), mRNA.	Mme-M300003416	ILMN_2724250	0	0
229521	Syt11	-0.084	-0.078	0.308	0	0	1	0	0	0	NM_018804	synaptotagmin XI (Syt11), mRNA.	Mme-M400011296	ILMN_3063644	0	0
171180	Syt12	0.087	-0.033	0.060	0	0	0	0	0	0	NM_134164	synaptotagmin XII (Syt12), mRNA.	Mme-M200014169	ILMN_2943868	0	0
80976	Syt13	0.772	0.211	-0.076	1	0	0	0	0	0	NM_030725	synaptotagmin XIII (Syt13), mRNA.	Mme-M300005520	ILMN_1229379	0	0
329324	Syt14	-0.052	0.078	0.068	0	0	0	0	0	0	NM_181546	synaptotagmin XIV (Syt14), mRNA.	Mme-M300001498	ILMN_1231230	0	0
319508	Syt15	-0.053	0.061	-0.053	0	0	0	0	0	0	NM_181529	synaptotagmin XV (Syt15), transcript variant a, mRNA.	Mme-M300013192	ILMN_1219148	0	0
238266	Syt16	0.041	-0.037	0.027	0	0	0	0	0	0	NM_172804	synaptotagmin XVI (Syt16), mRNA.	Mme-M300015896	ILMN_1246983	0	0
110058	Syt17	0.129	-0.011	-0.102	0	0	0	0	0	0	NM_138649	synaptotagmin XVII (Syt17), mRNA.	Mme-M300009069	ILMN_2656996	0	0
20980	Syt2	-0.156	0.017	-0.007	0	0	0	0	0	0	NM_009307	synaptotagmin II (Syt2), mRNA.	Mme-M200002150	ILMN_1248279	0	0
20981	Syt3	0.011	0.153	-0.041	0	0	0	0	0	0	NM_001114116	synaptotagmin III (Syt3), transcript variant 2, mRNA.	Mme-M200001979	ILMN_1244378	0	0
20983	Syt4	0.103	0.048	0.054	0	0	0	0	0	0	NM_009308	synaptotagmin IV (Syt4), mRNA.	Mme-M200000927	ILMN_2690014	0	0
53420	Syt5	0.375	0.398	-0.217	0	0	0	0	0	0	NM_016908	synaptotagmin V (Syt5), mRNA.	Mme-M200006071	ILMN_1220815	0	0
54524	Syt6	-0.175	-0.152	-0.135	0	0	0	0	0	0	NM_018800	synaptotagmin VI (Syt6), mRNA.	Mme-M200015948	ILMN_1237040	0	0
54525	Syt7	-0.103	-0.140	-0.108	0	0	0	0	0	0	NM_018801	synaptotagmin VII (Syt7), transcript variant 1, mRNA.	Mme-M300004288	ILMN_2433119	0	0
55925	Syt8	0.045	0.030	-0.049	0	0	0	0	0	0	NM_018802	synaptotagmin VIII (Syt8), mRNA.	Mme-M200014220	ILMN_2593457	0	0
60510	Syt9	-0.165	0.073	-0.076	0	0	0	0	0	0	NM_021889	synaptotagmin IX (Syt9), mRNA.	Mme-M200014213	ILMN_2668020	0	0
269589	Sytl1	0.171	-0.312	-0.243	0	0	0	0	0	0	NM_031393	synaptotagmin-like 1 (Sytl1), mRNA.	Mme-M200005169	ILMN_2651054	0	0
83671	Sytl2	-0.315	-0.032	0.018	0	0	0	0	0	0	NM_001040087	synaptotagmin-like 2 (Sytl2), transcript variant 4, mRNA.	Mme-M300007329	ILMN_1256018	0	0
83672	Sytl3	-0.283	0.051	-0.085	0	0	0	0	0	0	NM_183368	synaptotagmin-like 3 (Sytl3), transcript variant 3, mRNA.	Mme-M200011683	ILMN_3157081	0	0
27359	Sytl4	-0.204	-0.149	-0.310	0	0	-1	0	0	0	NM_013757	synaptotagmin-like 4 (Sytl4), mRNA.	Mme-M200008105	ILMN_2751935	0	0
236643	Sytl5	-0.324	-0.042	-0.007	0	0	0	0	0	0	NM_177704	synaptotagmin-like 5 (Sytl5), mRNA.	Mme-M300012668	ILMN_2747006	0	0
74126	Syvn1	-0.016	-0.096	-0.032	0	0	0	0	0	0	NM_028769	synovial apoptosis inhibitor 1, synoviolin (Syvn1), mRNA.	Mme-M200004427	ILMN_2628258	0	0
213491	Szrd1	-0.105	-0.092	-0.071	0	0	0	0	0	0	NM_174996	DNA segment, Chr 4, ERATO Doi 22, expressed (D4Ertd22e), transcript variant 2, mRNA.	Mme-M300012895	ILMN_3129206	0	0
20997	T	-0.047	-0.086	0.015	0	0	0	0	0	0	NM_009309	brachyury (T), mRNA.	Mme-M200000326	ILMN_1244340	0	0
21331	T2	-0.101	-0.053	0.024	0	0	0	0	0	0	NM_013682	brachyury 2 (T2), mRNA.	Mme-M200003162	ILMN_2677835	0	0
111174	Taar1	-0.346	0.012	-0.161	0	0	0	0	0	0	NM_053205	trace amine-associated receptor 1 (Taar1), mRNA.	Mme-M300001911	ILMN_1245503	0	0
209512	Taar2	-0.199	-0.092	0.094	0	0	0	0	0	0	NM_001007266	trace amine-associated receptor 2 (Taar2), mRNA.	Mme-M300001912	ILMN_2871830	0	0
493809	Taar3	-0.531	-0.055	-0.069	0	0	0	0	0	0	NM_001008429	trace amine-associated receptor 3 (Taar3), mRNA.	Mme-M400006766	ILMN_1222605	0	0
209513	Taar4	-0.066	-0.037	0.060	0	0	0	0	0	0	NM_001008499	trace amine-associated receptor 4 (Taar4), mRNA.	Mme-M400006762	ILMN_3008486	0	0
215855	Taar6	-0.015	0.011	-0.004	0	0	0	0	0	0	NM_001010828	trace amine-associated receptor 6 (Taar6), mRNA.	Mme-M400002983	ILMN_2875720	0	0
435206	Taar7d	-0.014	0.008	0.107	0	0	0	0	0	0	NM_001010838	trace amine-associated receptor 7D (Taar7d), mRNA.	Mme-M400006763	ILMN_2991722	0	0
435207	Taar7f	-0.014	-0.100	-0.032	0	0	0	0	0	0	NM_001010839	trace amine-associated receptor 7F (Taar7f), mRNA.	Mme-M400009820	ILMN_2918353	0	0
215859	Taar8a	-0.092	0.122	0.071	0	0	0	0	0	0	NM_001010830	trace amine-associated receptor 8A (Taar8a), mRNA.	Mme-M400003737	ILMN_2995880	0	0
503558	Taar9	0.011	0.053	-0.018	0	0	0	0	0	0	NM_001010831	trace amine-associated receptor 9 (Taar9), mRNA.	Mme-M400002009	ILMN_2884207	0	0
66513	Tab1	0.001	0.218	-0.124	0	0	0	0	0	0	NM_025609	mitogen-activated protein kinase kinase kinase 7 interacting protein 1 (Map3k7ip1), mRNA.	Mme-M200014045	ILMN_2906042	0	0
68652	Tab2	0.163	-0.072	-0.033	0	0	0	0	0	0	NM_138667	mitogen-activated protein kinase kinase kinase 7 interacting protein 2 (Map3k7ip2), mRNA.	Mme-M200012235	ILMN_2679094	0	0
66724	Tab3	-0.171	-0.015	0.103	0	0	0	0	0	0	NM_025729	mitogen-activated protein kinase kinase kinase 7 interacting protein 3 (Map3k7ip3), mRNA.	Mme-M400001813	ILMN_1212670	0	0
21333	Tac1	-0.287	0.022	-0.054	0	0	0	0	0	0	NM_009311	tachykinin 1 (Tac1), mRNA.	Mme-M300006841	ILMN_1251000	0	0
21334	Tac2	0.133	0.179	0.087	0	0	0	0	0	0	NM_009312	tachykinin 2 (Tac2), mRNA.	Mme-M200000889	ILMN_2771036	0	0
93670	Tac4	0.020	-0.216	-0.141	0	0	0	0	0	0	NM_053093	tachykinin 4 (Tac4), mRNA.	Mme-M200008248	ILMN_1237288	0	0
320165	Tacc1	-0.045	-0.224	-0.146	0	0	0	0	0	0	NM_199323	transforming, acidic coiled-coil containing protein 1 (Tacc1), transcript variant 2, mRNA.	Mme-M400012599	ILMN_3126933	0	0
57752	Tacc2	0.077	0.045	0.065	0	0	0	0	0	0	NM_206856	transforming, acidic coiled-coil containing protein 2 (Tacc2), transcript variant 1, mRNA.	Mme-M200015710	ILMN_2601026	0	0
21335	Tacc3	0.074	-0.003	-0.021	0	0	0	0	0	0	NM_001040435	transforming, acidic coiled-coil containing protein 3 (Tacc3), mRNA.	Mme-M200005723	ILMN_1229322	0	0
70207	Taco1	-0.012	0.122	0.056	0	0	0	0	0	0	NM_027346	coiled-coil domain containing 44 (Ccdc44), mRNA.	Mme-M300000254	ILMN_1219565	0	0
21336	Tacr1	-0.044	-0.011	-0.068	0	0	0	0	0	0	NM_009313	tachykinin receptor 1 (Tacr1), mRNA.	Mme-M300006977	ILMN_2726850	0	0
21337	Tacr2	0.031	-0.101	0.039	0	0	0	0	0	0	NM_009314	tachykinin receptor 2 (Tacr2), mRNA.	Mme-M200002666	ILMN_3140639	0	0
21338	Tacr3	-0.129	0.025	0.062	0	0	0	0	0	0	NM_021382	tachykinin receptor 3 (Tacr3), mRNA.	Mme-M200008655	ILMN_2860586	0	0
56753	Tacstd2	0.140	-0.142	-0.096	0	0	0	0	0	0	NM_020047	tumor-associated calcium signal transducer 2 (Tacstd2), mRNA.	Mme-M200009721	ILMN_1231513	0	0
27878	Tada1	0.325	0.150	0.166	0	0	0	0	0	0	NM_030245	transcriptional adaptor 1 (HFI1 homolog, yeast) like (Tada1l), mRNA.	Mme-M300005176	ILMN_2679662	0	0
217031	Tada2a	-0.098	-0.117	-0.054	0	0	0	0	0	0	NM_172562	transcriptional adaptor 2 (ADA2 homolog, yeast)-like (Tada2l), mRNA.	Mme-M300001709	ILMN_3009839	0	0
101206	Tada3	0.001	0.094	0.034	0	0	0	0	0	0	NM_133932	transcriptional adaptor 3 (NGG1 homolog, yeast)-like (Tada3l), mRNA.	Mme-M300007106	ILMN_2684455	0	0
270627	Taf1	0.090	-0.054	0.154	0	0	0	0	0	0	NM_001081008	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf1), mRNA.	Mme-M300009201	ILMN_1251576	0	0
24075	Taf10	0.029	-0.135	0.129	0	0	0	0	0	0	NM_020024	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf10), mRNA.	Mme-M300007488	ILMN_1235422	0	0
68776	Taf11	0.118	0.060	-0.085	0	0	0	0	0	0	NM_026836	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf11), mRNA.	Mme-M300003999	ILMN_2946281	0	0
66464	Taf12	0.285	0.191	-0.142	0	0	0	0	0	0	NM_025579	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf12), mRNA.	Mme-M300018975	ILMN_2826161	0	0
99730	Taf13	0.082	0.052	0.184	0	0	0	0	0	0	NM_025444	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf13), mRNA.	Mme-M300014774	ILMN_2728830	0	0
70439	Taf15	0.062	0.279	-0.082	0	0	0	0	0	0	NM_027427	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf15), mRNA.	Mme-M200011978	ILMN_2650732	0	0
21340	Taf1b	0.108	-0.048	-0.022	0	0	0	0	0	0	NM_020614	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, B (Taf1b), mRNA.	Mme-M400014266	ILMN_2739952	0	0
21341	Taf1c	0.036	0.161	0.066	0	0	0	0	0	0	NM_021441	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C (Taf1c), mRNA.	Mme-M300007924	ILMN_2653808	0	0
75316	Taf1d	0.260	0.163	0.162	0	0	0	0	0	0	NM_027261	Josephin domain containing 3 (Josd3), transcript variant 3, mRNA.	Mme-M300007986	ILMN_3136867	0	0
319944	Taf2	-0.258	0.040	-0.050	0	0	0	0	0	0	NM_001081288	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf2), mRNA.	Mme-M400005180	ILMN_2529057	0	0
209361	Taf3	-0.050	-0.064	-0.040	0	0	0	0	0	0	NM_027748	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf3), mRNA.	Mme-M300004764	ILMN_3160989	0	0
228980	Taf4a	0.059	0.015	-0.038	0	0	0	0	0	0	NM_001081092	TAF4A RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf4a), mRNA.	Mme-M400002227	ILMN_3014419	0	0
72504	Taf4b	-0.187	0.055	-0.043	0	0	0	0	0	0	XM_128905	PREDICTED: TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf4b), mRNA.	Mme-M300004113	ILMN_2470074	0	0
226182	Taf5	0.002	0.177	-0.151	0	0	0	0	0	0	NM_177342	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf5), mRNA.	Mme-M300004447	ILMN_1218425	0	0
102162	Taf5l	0.064	0.062	-0.072	0	0	0	0	0	0	NM_133966	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor (Taf5l), mRNA.	Mme-M200007564	ILMN_2700751	0	0
21343	Taf6	0.257	0.058	-0.146	0	0	0	0	0	0	NM_009315	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf6), mRNA.	Mme-M200000755	ILMN_1241137	0	0
225895	Taf6l	-0.273	-0.191	0.042	0	0	0	0	0	0	NM_146092	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor (Taf6l), mRNA.	Mme-M400009116	ILMN_2594433	0	0
24074	Taf7	0.064	0.003	-0.022	0	0	0	0	0	0	NM_011901	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf7), mRNA.	Mme-M200003062	ILMN_2626060	0	0
74469	Taf7l	-0.243	-0.016	-0.058	0	0	0	0	0	0	NM_028958	TAF7-like RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf7l), mRNA.	Mme-M200008505	ILMN_1245915	0	0
63856	Taf8	0.266	-0.032	-0.072	0	0	0	0	0	0	NM_022015	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factorq (Taf8), mRNA.	Mme-M200003623	ILMN_2616261	0	0
108143	Taf9	0.323	0.106	0.142	0	0	0	0	0	0	NM_027139	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf9), transcript variant 1, mRNA.	Mme-M400005910	ILMN_3144963	0	0
407786	Taf9b	0.153	0.173	-0.032	0	0	0	0	0	0	NM_001001176	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf9b), mRNA.	Mme-M300018095	ILMN_2859348	0	0
72536	Tagap	0.042	-0.103	0.077	0	0	0	0	0	0	NM_145968	T-cell activation Rho GTPase-activating protein (Tagap), mRNA.	Mme-M300008784	ILMN_2700634	0	0
21345	Tagln	0.838	-0.163	-0.164	1	0	0	0	0	0	NM_011526	transgelin (Tagln), mRNA.	Mme-M200000759	ILMN_1243652	0	0
21346	Tagln2	0.030	0.297	-0.085	0	0	0	0	0	0	NM_178598	transgelin 2 (Tagln2), mRNA.	Mme-M400000941	ILMN_2732848	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56370	Tagln3	-0.078	0.247	-0.143	0	0	0	0	0	0	NM_019754	transgelin 3 (Tagln3), mRNA.	Mme-M300003441	ILMN_2745930	0	0
21349	Tal1	-0.203	0.245	0.109	0	0	0	0	0	0	NM_011527	T-cell acute lymphocytic leukemia 1 (Tal1), mRNA.	Mme-M200001188	ILMN_2839788	0	0
21350	Tal2	-0.085	-0.023	-0.083	0	0	0	0	0	0	NM_009317	T-cell acute lymphocytic leukemia 2 (Tal2), mRNA.	Mme-M200014870	ILMN_2696903	0	0
21351	Taldo1	0.102	-0.042	0.086	0	0	0	0	0	0	NM_011528	transaldolase 1 (Taldo1), mRNA.	Mme-M300004665	ILMN_2675261	0	0
68971	Tamm41	0.015	-0.138	-0.173	0	0	0	0	0	0	NM_026894	RIKEN cDNA 1500001M20 gene (1500001M20Rik), mRNA.	Mme-M200005030	ILMN_2984793	0	0
66860	Tanc1	-0.285	-0.195	0.088	0	0	0	0	0	0	NM_198294	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1 (Tanc1), mRNA.	Mme-M300009746	ILMN_2677882	0	0
77097	Tanc2	-0.069	-0.083	-0.110	0	0	0	0	0	0	NM_181071	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2 (Tanc2), mRNA.	Mme-M300012846	ILMN_2517149	0	0
27883	Tango2	-0.026	0.267	0.034	0	0	0	0	0	0	NM_138583	DNA segment, Chr 16, human D22S680E, expressed (D16H22S680E), mRNA.	Mme-M200005579	ILMN_2842999	0	0
272538	Tango6	-0.638	0.047	-0.026	0	0	0	0	0	0	NM_173037	transmembrane and coiled-coil domains 7 (Tmco7), mRNA.	Mme-M300013438	ILMN_1241914	0	0
21353	Tank	-0.033	-0.147	0.166	0	0	0	0	0	0	NM_011529	TRAF family member-associated Nf-kappa B activator (Tank), mRNA.	Mme-M200000701	ILMN_2734028	0	0
216965	Taok1	-0.257	0.184	0.035	0	0	0	0	0	0	NM_144825	TAO kinase 1 (Taok1), mRNA.	Mme-M400002897	ILMN_2434235	0	0
330177	Taok3	0.227	-0.012	-0.027	0	0	0	0	0	0	NM_001081308	TAO kinase 3 (Taok3), mRNA.	Mme-M300016609	ILMN_1259320	0	0
21354	Tap1	0.505	0.984	0.317	0	1	1	0	1	0	NM_013683	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (Tap1), mRNA.	Mme-M200003417	ILMN_1250409	1	0
21355	Tap2	0.288	0.452	0.109	0	1	0	0	0	0	NM_011530	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (Tap2), mRNA.	Mme-M200003350	ILMN_2686721	0	0
21356	Tapbp	0.546	0.569	0.138	0	1	0	0	1	0	NM_009318	TAP binding protein (Tapbp), transcript variant 2, mRNA.	Mme-M300004057	ILMN_1226819	1	0
213233	Tapbpl	0.555	0.624	0.126	0	1	0	0	1	0	NM_145391	TAP binding protein-like (Tapbpl), mRNA.	Mme-M300011427	ILMN_2974611	1	0
231225	Tapt1	-0.140	-0.098	0.017	0	0	0	0	0	0	NM_173764	transmembrane anterior posterior transformation 1 (Tapt1), mRNA.	Mme-M300017853	ILMN_2771441	0	0
21357	Tarbp2	-0.098	0.133	0.051	0	0	0	0	0	0	NM_009319	TAR (HIV) RNA binding protein 2 (Tarbp2), mRNA.	Mme-M300003655	ILMN_2939990	0	0
230908	Tardbp	0.116	0.120	-0.019	0	0	0	0	0	0	NM_001003898	TAR DNA binding protein (Tardbp), transcript variant 5, mRNA.	Mme-M400013039	ILMN_1244811	0	0
245126	Tarm1	-0.220	-0.003	0.012	0	0	0	0	0	0	NM_177363	RIKEN cDNA 9930022N03 gene (9930022N03Rik), mRNA.	Mme-M400004437	ILMN_2674475	0	0
110960	Tars	0.180	-0.155	-0.085	0	0	0	0	0	0	NM_033074	threonyl-tRNA synthetase (Tars), mRNA.	Mme-M300003161	ILMN_1257552	0	0
71807	Tars2	0.193	0.085	-0.077	0	0	0	0	0	0	NM_027931	threonyl-tRNA synthetase 2, mitochondrial (putative) (Tars2), nuclear gene encoding mitochondrial protein, mR	Mme-M200002839	ILMN_1237311	0	0
272396	Tarsl2	-0.025	-0.022	-0.042	0	0	0	0	0	0	NM_172310	threonyl-tRNA synthetase-like 2 (Tarsl2), mRNA.	Mme-M300007278	ILMN_1237234	0	0
110326	Tas1r1	-0.279	0.121	0.014	0	0	0	0	0	0	NM_031867	taste receptor, type 1, member 1 (Tas1r1), mRNA.	Mme-M200006395	ILMN_1220280	0	0
83770	Tas1r2	-0.166	-0.014	-0.025	0	0	0	0	0	0	NM_031873	taste receptor, type 1, member 2 (Tas1r2), mRNA.	Mme-M200012187	ILMN_2714817	0	0
83771	Tas1r3	-0.158	-0.038	-0.108	0	0	0	0	0	0	NM_031872	taste receptor, type 1, member 3 (Tas1r3), mRNA.	Mme-M200012186	ILMN_2593836	0	0
387339	Tas2r102	0.139	-0.105	0.007	0	0	0	0	0	0	NM_199153	taste receptor, type 2, member 102 (Tas2r102), mRNA.	Mme-M400005684	ILMN_2592404	0	0
387340	Tas2r104	-0.115	-0.077	0.013	0	0	0	0	0	0	NM_207011	taste receptor, type 2, member 104 (Tas2r104), mRNA.	Mme-M400007621	ILMN_2730744	0	0
57252	Tas2r105	-0.018	-0.025	-0.038	0	0	0	0	0	0	NM_020501	taste receptor, type 2, member 105 (Tas2r105), mRNA.	Mme-M400003783	ILMN_2898982	0	0
387341	Tas2r106	0.010	-0.004	-0.022	0	0	0	0	0	0	NM_207016	taste receptor, type 2, member 106 (Tas2r106), mRNA.	Mme-M400006050	ILMN_2702928	0	0
387342	Tas2r107	0.128	-0.112	-0.073	0	0	0	0	0	0	NM_199154	taste receptor, type 2, member 107 (Tas2r107), mRNA.	Mme-M400004452	ILMN_2658741	0	0
57253	Tas2r108	0.070	0.021	0.013	0	0	0	0	0	0	NM_020502	taste receptor, type 2, member 108 (Tas2r108), mRNA.	Mme-M200008651	ILMN_1237914	0	0
387343	Tas2r109	-0.229	-0.008	-0.034	0	0	0	0	0	0	NM_207017	taste receptor, type 2, member 109 (Tas2r109), mRNA.	Mme-M400007874	ILMN_1225944	0	0
387344	Tas2r110	-0.281	-0.054	-0.039	0	0	0	0	0	0	NM_199155	taste receptor, type 2, member 110 (Tas2r110), mRNA.	Mme-M400008044	ILMN_1231231	0	0
387345	Tas2r113	-0.100	0.001	-0.005	0	0	0	0	0	0	NM_207018	taste receptor, type 2, member 113 (Tas2r113), mRNA.	Mme-M400005695	ILMN_2722806	0	0
387346	Tas2r114	-0.099	-0.037	-0.005	0	0	0	0	0	0	NM_207019	taste receptor, type 2, member 114 (Tas2r114), mRNA.	Mme-M400008294	ILMN_1248846	0	0
353325	Tas2r115	0.043	0.009	0.087	0	0	0	0	0	0	NM_207020	taste receptor, type 2, member 115 (Tas2r115), mRNA.	Mme-M400007376	ILMN_2675609	0	0
112408	Tas2r116	-0.028	-0.052	-0.041	0	0	0	0	0	0	NM_053212	taste receptor, type 2, member 116 (Tas2r116), mRNA.	Mme-M300007064	ILMN_2436799	0	0
353166	Tas2r117	-0.341	0.044	0.048	0	0	0	0	0	0	NM_207021	taste receptor, type 2, member 117 (Tas2r117), mRNA.	Mme-M400006295	ILMN_2630257	0	0
387347	Tas2r118	-0.001	0.001	0.015	0	0	0	0	0	0	NM_207022	taste receptor, type 2, member 118 (Tas2r118), mRNA.	Mme-M300014923	ILMN_2706111	0	0
57254	Tas2r119	-0.364	-0.010	0.016	0	0	0	0	0	0	NM_020503	taste receptor, type 2, member 119 (Tas2r119), mRNA.	Mme-M200008652	ILMN_1231441	0	0
387348	Tas2r120	0.092	0.032	0.018	0	0	0	0	0	0	NM_207023	taste receptor, type 2, member 120 (Tas2r120), mRNA.	Mme-M400006780	ILMN_2783020	0	0
387349	Tas2r121	0.041	0.002	-0.099	0	0	0	0	0	0	NM_207024	taste receptor, type 2, member 121 (Tas2r121), mRNA.	Mme-M400004542	ILMN_2607229	0	0
353167	Tas2r123	-0.056	0.032	0.055	0	0	0	0	0	0	NM_207025	taste receptor, type 2, member 123 (Tas2r123), mRNA.	Mme-M400005899	ILMN_1214541	0	0
387351	Tas2r124	-0.231	0.018	0.027	0	0	0	0	0	0	NM_207026	taste receptor, type 2, member 124 (Tas2r124), mRNA.	Mme-M400007239	ILMN_2719246	0	0
387352	Tas2r125	-0.032	-0.052	-0.008	0	0	0	0	0	0	NM_207027	taste receptor, type 2, member 125 (Tas2r125), mRNA.	Mme-M400006793	ILMN_1213409	0	0
387353	Tas2r126	-0.026	-0.039	0.033	0	0	0	0	0	0	NM_207028	taste receptor, type 2, member 126 (Tas2r126), mRNA.	Mme-M300019098	ILMN_2798839	0	0
387354	Tas2r129	-0.029	-0.016	0.037	0	0	0	0	0	0	NM_207029	taste receptor, type 2, member 129 (Tas2r129), mRNA.	Mme-M400008399	ILMN_1213441	0	0
387355	Tas2r130	-0.074	-0.095	-0.123	0	0	0	0	0	0	NM_199156	taste receptor, type 2, member 130 (Tas2r130), mRNA.	Mme-M400004833	ILMN_2642480	0	0
387356	Tas2r131	-0.075	-0.056	0.063	0	0	0	0	0	0	NM_207030	taste receptor, type 2, member 131 (Tas2r131), mRNA.	Mme-M400006029	ILMN_2713240	0	0
387511	Tas2r134	-0.124	0.033	-0.048	0	0	0	0	0	0	NM_199158	taste receptor, type 2, member 134 (Tas2r134), mRNA.	Mme-M400005404	ILMN_1247403	0	0
387512	Tas2r135	-0.323	-0.059	0.028	0	0	0	0	0	0	NM_199159	taste receptor, type 2, member 135 (Tas2r135), mRNA.	Mme-M400005432	ILMN_2598457	0	0
353165	Tas2r136	-0.821	0.055	-0.047	-1	0	0	0	0	0	NM_181276	taste receptor, type 2, member 136 (Tas2r136), mRNA.	Mme-M400004389	ILMN_1250482	0	0
574417	Tas2r137	-0.204	0.046	0.038	0	0	0	0	0	0	NM_001025385	taste receptor, type 2, member 137 (Tas2r137), mRNA.	Mme-M400004261	ILMN_3160550	0	0
353148	Tas2r139	-0.020	-0.082	0.022	0	0	0	0	0	0	NM_181275	taste receptor, type 2, member 139 (Tas2r139), mRNA.	Mme-M400003254	ILMN_1221481	0	0
387616	Tas2r140	0.033	0.189	-0.044	0	0	0	0	0	0	NM_021562	taste receptor, type 2, member 140 (Tas2r140), mRNA.	Mme-M400001498	ILMN_1235837	0	0
387514	Tas2r143	-0.228	0.066	-0.114	0	0	0	0	0	0	NM_001001452	taste receptor, type 2, member 143 (Tas2r143), mRNA.	Mme-M300017539	ILMN_1245879	0	0
387515	Tas2r144	-0.164	-0.107	0.054	0	0	0	0	0	0	NM_001001453	taste receptor, type 2, member 144 (Tas2r144), mRNA.	Mme-M300017966	ILMN_3160931	0	0
75812	Tasp1	-0.094	-0.101	0.007	0	0	0	0	0	0	NM_175225	taspase, threonine aspartase 1 (Tasp1), mRNA.	Mme-M200015323	ILMN_2714138	0	0
234724	Tat	0.022	-0.036	-0.076	0	0	0	0	0	0	NM_146214	tyrosine aminotransferase (Tat), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300000221	ILMN_1260050	0	0
69694	Tatdn1	0.032	0.027	-0.039	0	0	0	0	0	0	NM_175151	TatD DNase domain containing 1 (Tatdn1), mRNA.	Mme-M400003750	ILMN_2801974	0	0
381801	Tatdn2	0.161	0.255	-0.153	0	0	0	0	0	0	NM_001033463	TatD DNase domain containing 2 (Tatdn2), mRNA.	Mme-M400005710	ILMN_2539564	0	0
68972	Tatdn3	0.095	0.082	-0.010	0	0	0	0	0	0	XM_129661	PREDICTED: TatD DNase domain containing 3 (Tatdn3), mRNA.	Mme-M200007622	ILMN_2647204	0	0
52440	Tax1bp1	0.188	-0.244	0.092	0	0	0	0	0	0	NM_025816	Tax1 (human T-cell leukemia virus type I) binding protein 1 (Tax1bp1), mRNA.	Mme-M300000561	ILMN_2591414	0	0
76281	Tax1bp3	0.326	-0.087	0.247	0	0	0	0	0	0	NM_029564	Tax1 (human T-cell leukemia virus type I) binding protein 3 (Tax1bp3), mRNA.	Mme-M300012543	ILMN_2746086	0	0
66826	Taz	0.113	0.090	0.153	0	0	0	0	0	0	NM_181516	tafazzin (Taz), mRNA.	Mme-M200005526	ILMN_2696855	0	0
65971	Tbata	-0.070	0.073	-0.109	0	0	0	0	0	0	NM_001017407	RIKEN cDNA 1700021K02 gene (1700021K02Rik), transcript variant 5, mRNA.	Mme-M300002001	ILMN_3131640	0	0
57915	Tbc1d1	0.280	0.126	-0.146	0	0	0	0	0	0	NM_019636	TBC1 domain family, member 1 (Tbc1d1), mRNA.	Mme-M300006531	ILMN_1245907	0	0
103724	Tbc1d10a	0.114	0.318	-0.166	0	0	0	0	0	0	NM_134023	TBC1 domain family, member 10a (Tbc1d10a), mRNA.	Mme-M200005851	ILMN_2907473	0	0
68449	Tbc1d10b	0.073	0.179	-0.131	0	0	0	0	0	0	NM_144522	TBC1 domain family, member 10b (Tbc1d10b), mRNA.	Mme-M200013587	ILMN_3008497	0	0
108995	Tbc1d10c	0.072	0.434	0.392	0	1	1	0	0	0	NM_178650	TBC1 domain family, member 10c (Tbc1d10c), mRNA.	Mme-M300012569	ILMN_2842338	0	0
209478	Tbc1d12	-0.093	0.026	-0.015	0	0	0	0	0	0	NM_145952	TBC1D12: TBC1 domain family, member 12 (Tbc1d12), mRNA.	Mme-M300019498	ILMN_2661116	0	0
70296	Tbc1d13	0.081	0.092	-0.111	0	0	0	0	0	0	NM_146252	TBC1 domain family, member 13 (Tbc1d13), mRNA.	Mme-M300012293	ILMN_1218901	0	0
100855	Tbc1d14	0.085	-0.056	0.020	0	0	0	0	0	0	NM_001113364	TBC1 domain family, member 14 (Tbc1d14), transcript variant 3, mRNA.	Mme-M200012624	ILMN_2654197	0	0
66687	Tbc1d15	0.119	0.004	0.064	0	0	0	0	0	0	NM_025706	TBC1 domain family, member 15 (Tbc1d15), mRNA.	Mme-M200004335	ILMN_2820814	0	0
207592	Tbc1d16	0.014	-0.179	0.048	0	0	0	0	0	0	NM_172443	TBC1 domain family, member 16 (Tbc1d16), mRNA.	Mme-M300012462	ILMN_2878267	0	0
233204	Tbc1d17	0.074	0.047	-0.113	0	0	0	0	0	0	NM_001042655	TBC1 domain family, member 17 (Tbc1d17), mRNA.	Mme-M200005604	ILMN_2611993	0	0
67249	Tbc1d19	-0.125	-0.149	0.074	0	0	0	0	0	0	NM_144517	TBC1 domain family, member 19 (Tbc1d19), mRNA.	Mme-M200006181	ILMN_2627557	0	0
381605	Tbc1d2	0.062	-0.217	-0.121	0	0	0	0	0	0	NM_198664	TBC1 domain family, member 2 (Tbc1d2), mRNA.	Mme-M400002297	ILMN_1250612	0	0
67231	Tbc1d20	0.279	-0.110	0.213	0	0	0	0	0	0	NM_024196	TBC1 domain family, member 20 (Tbc1d20), mRNA.	Mme-M400011455	ILMN_1226035	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
223754	Tbc1d22a	-0.004	0.001	-0.002	0	0	0	0	0	0	NM_145476	TBC1 domain family, member 22a (Tbc1d22a), mRNA.	Mme-M200006221	ILMN_2767791	0	0
381085	Tbc1d22b	-0.545	0.083	0.052	0	0	0	0	0	0	NM_198647	TBC1 domain family, member 22B (Tbc1d22b), mRNA.	Mme-M300013563	ILMN_1215134	0	0
67581	Tbc1d23	0.101	-0.179	-0.022	0	0	0	0	0	0	NM_026254	TBC1 domain family, member 23 (Tbc1d23), mRNA.	Mme-M200004108	ILMN_2879876	0	0
224617	Tbc1d24	-0.125	-0.027	0.011	0	0	0	0	0	0	NM_173186	TBC1 domain family, member 24 (Tbc1d24), mRNA.	Mme-M400009028	ILMN_1222184	0	0
209815	Tbc1d25	0.124	0.105	-0.134	0	0	0	0	0	0	NM_172478	TBC1 domain family, member 25 (Tbc1d25), mRNA.	Mme-M300012024	ILMN_2722583	0	0
67016	Tbc1d2b	-0.175	0.254	-0.160	0	0	0	0	0	0	NM_194334	TBC1 domain family, member 2B (Tbc1d2b), mRNA.	Mme-M200005440	ILMN_2819859	0	0
74694	Tbc1d30	-0.183	-0.072	-0.089	0	0	0	0	0	0	XM_137322	PREDICTED: RIKEN cDNA 4930505D03 gene (4930505D03Rik), mRNA.	Mme-M400004069	ILMN_1254959	0	0
210544	Tbc1d31	-0.135	0.045	-0.060	0	0	0	0	0	0	NM_001081396	WD repeat domain 67 (Wdr67), mRNA.	Mme-M400000570	ILMN_1259544	0	0
210789	Tbc1d4	0.178	-0.072	0.017	0	0	0	0	0	0	NM_001081278	TBC1 domain family, member 4 (Tbc1d4), mRNA.	Mme-M300008586	ILMN_1253352	0	0
72238	Tbc1d5	0.094	-0.150	-0.070	0	0	0	0	0	0	NM_028162	TBC1 domain family, member 5 (Tbc1d5), mRNA.	Mme-M200012093	ILMN_1217144	0	0
67046	Tbc1d7	0.110	0.124	0.040	0	0	0	0	0	0	NM_025935	TBC1 domain family, member 7 (Tbc1d7), mRNA.	Mme-M200013638	ILMN_2653100	0	0
54610	Tbc1d8	-0.030	-0.057	-0.037	0	0	0	0	0	0	NM_018775	TBC1 domain family, member 8 (Tbc1d8), mRNA.	Mme-M200008677	ILMN_1255779	0	0
245638	Tbc1d8b	0.501	-0.070	-0.043	0	0	0	0	0	0	NM_001081499	TBC1 domain family, member 8B (Tbc1d8b), mRNA.	Mme-M400009743	ILMN_2448060	0	0
71310	Tbc1d9	-0.238	0.073	-0.077	0	0	0	0	0	0	NM_027758	TBC1 domain family, member 9 (Tbc1d9), transcript variant 2, mRNA.	Mme-M300010179	ILMN_2920541	0	0
76795	Tbc1d9b	-0.216	-0.055	0.061	0	0	0	0	0	0	NM_029745	TBC1 domain family, member 9B (Tbc1d9b), mRNA.	Mme-M300010476	ILMN_1231802	0	0
21371	Tbca	0.294	0.048	-0.043	0	0	0	0	0	0	NM_009321	tubulin cofactor a (Tbca), mRNA.	Mme-M200000720	ILMN_2747103	0	0
66411	Tbcb	-0.100	0.086	0.030	0	0	0	0	0	0	NM_025548	tubulin folding cofactor B (Tbcb), mRNA.	Mme-M200005766	ILMN_2620061	0	0
72726	Tbcc	-0.032	-0.019	-0.066	0	0	0	0	0	0	NM_178385	tubulin-specific chaperone c (Tbcc), mRNA.	Mme-M200007412	ILMN_2839588	0	0
70573	Tbccd1	-0.332	0.026	-0.067	0	0	0	0	0	0	NM_001081368	TBCC domain containing 1 (Tbccd1), mRNA.	Mme-M200012996	ILMN_2724285	0	0
108903	Tbcd	-0.046	0.124	-0.149	0	0	0	0	0	0	NM_029878	tubulin-specific chaperone d (Tbcd), mRNA.	Mme-M300012044	ILMN_2588121	0	0
70430	Tbce	0.220	-0.072	0.018	0	0	0	0	0	0	NM_178337	tubulin-specific chaperone e (Tbce), mRNA.	Mme-M200012904	ILMN_1213734	0	0
272589	Tbcel	-0.011	-0.184	-0.145	0	0	0	0	0	0	NM_173038	tubulin folding cofactor E-like (Tbcel), mRNA.	Mme-M300010854	ILMN_2763459	0	0
271981	Tbck	-0.066	-0.028	0.097	0	0	0	0	0	0	NM_173032	RIKEN cDNA A630047E20 gene (A630047E20Rik), mRNA.	Mme-M300005909	ILMN_2613656	0	0
56480	Tbk1	0.134	-0.055	-0.051	0	0	0	0	0	0	NM_019786	TANK-binding kinase 1 (Tbk1), mRNA.	Mme-M200007608	ILMN_1241535	0	0
73174	Tbkbp1	-0.033	-0.028	0.063	0	0	0	0	0	0	NM_198100	TBK1 binding protein 1 (Tbkbp1), mRNA.	Mme-M300011597	ILMN_2965285	0	0
21372	Tbl1x	0.039	-0.159	0.028	0	0	0	0	0	0	NM_020601	transducin (beta)-like 1 X-linked (Tbl1x), mRNA.	Mme-M300004533	ILMN_2674890	0	0
81004	Tbl1xr1	0.113	-0.143	-0.153	0	0	0	0	0	0	NM_030732	transducin (beta)-like 1X-linked receptor 1 (Tbl1xr1), mRNA.	Mme-M400004264	ILMN_2491125	0	0
27368	Tbl2	0.021	-0.019	-0.013	0	0	0	0	0	0	NM_013763	transducin (beta)-like 2 (Tbl2), mRNA.	Mme-M300000672	ILMN_2604643	0	0
213773	Tbl3	-0.027	0.192	-0.025	0	0	0	0	0	0	NM_145396	transducin (beta)-like 3 (Tbl3), mRNA.	Mme-M200013645	ILMN_2616786	0	0
21374	Tbp	0.235	0.195	0.080	0	0	0	0	0	0	NM_013684	TATA box binding protein (Tbp), mRNA.	Mme-M400011213	ILMN_2869461	0	0
237336	Tbpl1	0.262	0.140	-0.108	0	0	0	0	0	0	NM_011603	TATA box binding protein-like 1 (Tbpl1), mRNA.	Mme-M300001906	ILMN_2605872	0	0
227606	Tbpl2	-0.154	-0.017	0.014	0	0	0	0	0	0	NM_199059	TATA box binding protein like 2 (Tbpl2), mRNA.	Mme-M300015579	ILMN_2516015	0	0
21375	Tbr1	0.122	0.090	0.012	0	0	0	0	0	0	NM_009322	T-box brain gene 1 (Tbr1), mRNA.	Mme-M200003283	ILMN_2920503	0	0
21376	Tbrg1	0.290	0.093	-0.053	0	0	0	0	0	0	NM_025289	transforming growth factor beta regulated gene 1 (Tbrg1), mRNA.	Mme-M200006129	ILMN_2667842	0	0
21379	Tbrg4	0.144	0.246	-0.168	0	0	0	0	0	0	NM_134011	transforming growth factor beta regulated gene 4 (Tbrg4), mRNA.	Mme-M200012505	ILMN_2589893	0	0
21380	Tbx1	0.335	-0.049	-0.075	0	0	0	0	0	0	NM_011532	T-box 1 (Tbx1), mRNA.	Mme-M300001012	ILMN_1252399	0	0
109575	Tbx10	-0.149	-0.057	-0.131	0	0	0	0	0	0	NM_011533	T-box 10 (Tbx10), transcript variant 2, mRNA.	Mme-M300010947	ILMN_2622107	0	0
21384	Tbx15	0.657	0.042	-0.030	1	0	0	0	0	0	NM_009323	T-box 15 (Tbx15), mRNA.	Mme-M400001034	ILMN_1249994	0	0
76365	Tbx18	-0.098	-0.082	0.091	0	0	0	0	0	0	NM_023814	T-box18 (Tbx18), mRNA.	Mme-M200008903	ILMN_1246123	0	0
83993	Tbx19	-0.319	0.027	-0.195	0	0	0	0	0	0	NM_032005	T-box 19 (Tbx19), mRNA.	Mme-M400000943	ILMN_2647782	0	0
21385	Tbx2	-0.294	0.015	0.176	0	0	0	0	0	0	NM_009324	T-box 2 (Tbx2), mRNA.	Mme-M200001834	ILMN_2773918	0	0
57246	Tbx20	-0.209	0.010	0.028	0	0	0	0	0	0	NM_020496	T-box 20 (Tbx20), transcript variant 2, mRNA.	Mme-M300008002	ILMN_2626805	0	0
57765	Tbx21	-0.319	0.439	0.135	0	1	0	0	0	0	NM_019507	T-box 21 (Tbx21), mRNA.	Mme-M200016120	ILMN_2762983	0	0
245572	Tbx22	0.182	-0.059	-0.109	0	0	0	0	0	0	NM_181319	T-box 22 (Tbx22), transcript variant 2, mRNA.	Mme-M300007627	ILMN_2706930	0	0
21386	Tbx3	-0.177	-0.202	-0.031	0	0	0	0	0	0	NM_198052	T-box 3 (Tbx3), transcript variant 2, mRNA.	Mme-M300001704	ILMN_1247220	0	0
21387	Tbx4	-0.152	-0.043	-0.018	0	0	0	0	0	0	NM_172798	T-box 4 (Tbx4), transcript variant 2, mRNA.	Mme-M300000006	ILMN_1244228	0	0
21388	Tbx5	-0.161	0.061	0.067	0	0	0	0	0	0	NM_011537	T-box 5 (Tbx5), mRNA.	Mme-M400000286	ILMN_2664533	0	0
21389	Tbx6	-0.046	-0.100	0.131	0	0	0	0	0	0	NM_011538	T-box 6 (Tbx6), mRNA.	Mme-M200000259	ILMN_1249014	0	0
21390	Tbxa2r	0.140	-0.157	-0.191	0	0	0	0	0	0	NM_009325	thromboxane A2 receptor (Tbxa2r), mRNA.	Mme-M200001803	ILMN_1248837	0	0
21391	Tbxas1	0.157	0.391	0.179	0	0	0	0	0	0	NM_011539	thromboxane A synthase 1, platelet (Tbxas1), mRNA.	Mme-M300006951	ILMN_1251390	0	0
74413	Tc2n	0.110	0.055	0.004	0	0	0	0	0	0	NM_001082976	tandem C2 domains, nuclear (Tc2n), transcript variant 2, mRNA.	Mme-M200015218	ILMN_2758892	0	0
232748	Tcaf2	-0.042	0.026	-0.034	0	0	0	0	0	0	NM_146174	cDNA sequence BC011487 (BC011487), mRNA.	Mme-M300006911	ILMN_2985836	0	0
403088	Tcaf3	-0.057	0.064	0.092	0	0	0	0	0	0	NM_203396	experimental autoimmune prostatitis antigen 2 (Eapa2), mRNA.	Mme-M300006912	ILMN_2692367	0	0
382117	Tcaim	0.102	-0.061	-0.152	0	0	0	0	0	0	NM_001013405	DNA segment, Chr 9, ERATO Doi 402, expressed (D9Ertd402e), mRNA.	Mme-M400003186	ILMN_2881610	0	0
75870	Tcam1	-0.011	-0.079	-0.087	0	0	0	0	0	0	NM_029467	testicular cell adhesion molecule 1 (Tcam1), mRNA.	Mme-M200011068	ILMN_1258927	0	0
21399	Tcea1	0.353	-0.002	-0.025	0	0	0	0	0	0	NM_011541	transcription elongation factor A (SII) 1 (Tcea1), mRNA.	Mme-M400011146	ILMN_2661939	0	0
21400	Tcea2	0.110	0.107	-0.061	0	0	0	0	0	0	NM_009326	transcription elongation factor A (SII), 2 (Tcea2), mRNA.	Mme-M200004841	ILMN_2777609	0	0
21401	Tcea3	0.490	0.210	-0.086	0	0	0	0	0	0	NM_011542	transcription elongation factor A (SII), 3 (Tcea3), mRNA.	Mme-M300000210	ILMN_2776283	0	0
237052	Tceal1	0.104	0.107	0.144	0	0	0	0	0	0	NM_146236	transcription elongation factor A (SII)-like 1 (Tceal1), mRNA.	Mme-M200008310	ILMN_2695731	0	0
594844	Tceal3	0.096	0.080	-0.026	0	0	0	0	0	0	NM_001029978	transcription elongation factor A (SII)-like 3 (Tceal3), mRNA.	Mme-M300015558	ILMN_3162895	0	0
331532	Tceal5	0.366	0.289	-0.346	0	0	-1	0	0	0	NM_177919	transcription elongation factor A (SII)-like 5 (Tceal5), mRNA.	Mme-M400004679	ILMN_2630772	0	0
66104	Tceal6	-0.189	0.255	-0.123	0	0	0	0	0	0	NM_025355	transcription elongation factor A (SII)-like 6 (Tceal6), mRNA.	Mme-M400001368	ILMN_2839027	0	0
66684	Tceal8	0.307	0.333	-0.064	0	0	0	0	0	0	NM_025703	transcription elongation factor A (SII)-like 8 (Tceal8), mRNA.	Mme-M300022199	ILMN_2861493	0	0
245695	Tceanc	-0.127	-0.050	-0.072	0	0	0	0	0	0	NM_001007577	RIKEN cDNA A630018P17 gene (A630018P17Rik), mRNA.	Mme-M400003802	ILMN_1255742	0	0
66526	Tceanc2	0.121	-0.136	0.187	0	0	0	0	0	0	NM_025617	RIKEN cDNA 2210012G02 gene (2210012G02Rik), mRNA.	Mme-M300006196	ILMN_1226642	0	0
67673	Tceb2	-0.096	-0.079	-0.079	0	0	0	0	0	0	NM_026305	transcription elongation factor B (SIII), polypeptide 2 (Tceb2), mRNA.	Mme-M400005317	ILMN_1216504	0	0
27224	Tceb3	0.127	0.105	-0.040	0	0	0	0	0	0	NM_013736	transcription elongation factor B (SIII), polypeptide 3 (Tceb3), mRNA.	Mme-M300006222	ILMN_2652394	0	0
56070	Tcerg1	0.360	-0.044	0.097	0	0	0	0	0	0	NM_001039474	transcription elongation regulator 1 (CA150) (Tcerg1), mRNA.	Mme-M300004176	ILMN_2620492	0	0
70571	Tcerg1l	-0.086	0.028	0.065	0	0	0	0	0	0	NM_183289	transcription elongation regulator 1-like (Tcerg1l), mRNA.	Mme-M400003013	ILMN_2434982	0	0
21406	Tcf12	-0.010	-0.172	-0.140	0	0	0	0	0	0	NM_011544	transcription factor 12 (Tcf12), mRNA.	Mme-M300008132	ILMN_1215928	0	0
21407	Tcf15	0.331	0.205	0.048	0	0	0	0	0	0	NM_009328	transcription factor 15 (Tcf15), mRNA.	Mme-M400010925	ILMN_1231030	0	0
106795	Tcf19	-0.250	0.193	-0.049	0	0	0	0	0	0	NM_025674	transcription factor 19 (Tcf19), mRNA.	Mme-M200003041	ILMN_2624827	0	0
21411	Tcf20	0.256	-0.146	-0.130	0	0	0	0	0	0	NM_013836	transcription factor 20 (Tcf20), transcript variant 2, mRNA.	Mme-M300013391	ILMN_2635437	0	0
21412	Tcf21	-0.006	0.035	0.049	0	0	0	0	0	0	NM_011545	transcription factor 21 (Tcf21), mRNA.	Mme-M200003438	ILMN_2930707	0	0
69852	Tcf23	0.139	-0.059	0.025	0	0	0	0	0	0	NM_053085	transcription factor 23 (Tcf23), mRNA.	Mme-M200015013	ILMN_2658168	0	0
66855	Tcf25	-0.068	0.153	-0.087	0	0	0	0	0	0	NM_001037877	transcription factor 25 (basic helix-loop-helix) (Tcf25), transcript variant 1, mRNA.	Mme-M300000196	ILMN_2769733	0	0
21413	Tcf4	0.443	-0.066	0.179	0	0	0	0	0	0	NM_001083967	transcription factor 4 (Tcf4), transcript variant 2, mRNA.	Mme-M400011214	ILMN_2636463	0	0
21414	Tcf7	-0.494	0.273	0.136	0	0	0	0	0	0	NM_009331	transcription factor 7, T-cell specific (Tcf7), mRNA.	Mme-M200012876	ILMN_2717975	0	0
21415	Tcf7l1	0.207	0.171	-0.032	0	0	0	0	0	0	NM_009332	transcription factor 3 (Tcf3), transcript variant 2, mRNA.	Mme-M400005299	ILMN_2771781	0	0
21419	Tcfap2b	-0.217	-0.857	-0.030	0	-1	0	0	-1	0	NM_009334	transcription factor AP-2 beta (Tcfap2b), transcript variant 1, mRNA.	Mme-M200001959	ILMN_1223731	0	1

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
277353	Tcfl5	0.148	0.017	0.020	0	0	0	0	0	0	NM_178254	transcription factor-like 5 (basic helix-loop-helix) (Tcfl5), mRNA.	Mme-M300011850	ILMN_2733257	0	0
71325	Tchhl1	-0.272	-0.034	0.028	0	0	0	0	0	0	NM_027762	trichohyalin-like 1 (Tchhl1), mRNA.	Mme-M200015237	ILMN_2718552	0	0
77832	Tchp	0.122	0.033	0.149	0	0	0	0	0	0	NM_029992	trichoplein, keratin filament binding (Tchp), mRNA.	Mme-M300000314	ILMN_2637930	0	0
21432	Tcl1	-0.441	0.085	-0.026	0	0	0	0	0	0	NM_009337	T-cell lymphoma breakpoint 1 (Tcl1), mRNA.	Mme-M200003582	ILMN_2985612	0	0
27379	Tcl1b1	-0.254	0.039	0.048	0	0	0	0	0	0	NM_013773	T-cell leukemia/lymphoma 1B, 1 (Tcl1b1), mRNA.	Mme-M400004920	ILMN_2633394	0	0
27381	Tcl1b2	-0.308	0.046	-0.076	0	0	0	0	0	0	NM_013775	T-cell leukemia/lymphoma 1B, 2 (Tcl1b2), mRNA.	Mme-M400008841	ILMN_1255830	0	0
27378	Tcl1b3	-0.255	0.000	0.027	0	0	0	0	0	0	NM_013772	T-cell leukemia/lymphoma 1B, 3 (Tcl1b3), mRNA.	Mme-M300000100	ILMN_2739807	0	0
27380	Tcl1b4	-0.040	0.035	0.043	0	0	0	0	0	0	NM_013774	T-cell leukemia/lymphoma 1B, 4 (Tcl1b4), mRNA.	Mme-M200008577	ILMN_2697817	0	0
27382	Tcl1b5	-0.167	0.066	-0.051	0	0	0	0	0	0	NM_013776	T-cell leukemia/lymphoma 1B, 5 (Tcl1b5), mRNA.	Mme-M400000020	ILMN_2744336	0	0
21453	Tcof1	0.030	-0.175	0.044	0	0	0	0	0	0	NM_011552	Treacher Collins Franceschetti syndrome 1, homolog (Tcof1), mRNA.	Mme-M300004237	ILMN_2608933	0	0
21454	Tcp1	-0.090	0.143	0.170	0	0	0	0	0	0	NM_013686	t-complex protein 1 (Tcp1), mRNA.	Mme-M400011215	ILMN_2677386	0	0
21463	Tcp11	-0.304	0.076	-0.071	0	0	0	0	0	0	NM_001085555	t-complex protein 11 (Tcp11), transcript variant 2, mRNA.	Mme-M200006639	ILMN_2951580	0	0
320554	Tcp11l1	-0.559	0.064	-0.079	0	0	0	0	0	0	NM_177190	t-complex 11 like 1 (Tcp11l1), mRNA.	Mme-M300005496	ILMN_2780088	0	0
216198	Tcp11l2	-0.048	0.021	-0.017	0	0	0	0	0	0	NM_146008	t-complex 11 (mouse) like 2 (Tcp11l2), mRNA.	Mme-M300001965	ILMN_2625981	0	0
54382	Tcstv1	-0.194	0.108	0.012	0	0	0	0	0	0	NM_018756	2-cell-stage, variable group, member 1 (Tcstv1), mRNA.	Mme-M400011292	ILMN_2946986	0	0
236219	Tcstv3	-0.060	-0.033	-0.031	0	0	0	0	0	0	NM_153523	2-cell-stage, variable group, member 3 (Tcstv3), mRNA.	Mme-M400006470	ILMN_2637059	0	0
21645	Tcte1	0.174	-0.054	0.013	0	0	0	0	0	0	NM_013688	t-complex-associated testis expressed 1 (Tcte1), mRNA.	Mme-M200000492	ILMN_2680947	0	0
67344	Tctex1d1	-0.147	0.068	-0.036	0	0	0	0	0	0	NM_026100	Tctex1 domain containing 1 (Tctex1d1), mRNA.	Mme-M300006137	ILMN_1226708	0	0
66061	Tctex1d2	0.225	-0.110	-0.014	0	0	0	0	0	0	NM_025329	Tctex1 domain containing 2 (Tctex1d2), mRNA.	Mme-M300001258	ILMN_2720925	0	0
242646	Tctex1d4	0.164	0.042	0.003	0	0	0	0	0	0	NM_175030	Tctex1 domain containing 4 (Tctex1d4), mRNA.	Mme-M300018507	ILMN_1214031	0	0
654470	Tctn1	-0.275	0.067	0.023	0	0	0	0	0	0	NM_001039153	tectonic 1 (Tect1), mRNA.	Mme-M300011648	ILMN_2486390	0	0
67978	Tctn2	0.193	0.127	-0.163	0	0	0	0	0	0	NM_026486	tectonic family member 2 (Tctn2), mRNA.	Mme-M200005211	ILMN_1222383	0	0
67590	Tctn3	0.135	0.211	0.157	0	0	0	0	0	0	NM_026260	tectonic family member 3 (Tctn3), mRNA.	Mme-M200015069	ILMN_1241561	0	0
21665	Tdg	0.021	0.026	0.008	0	0	0	0	0	0	NM_011561	thymine DNA glycosylase (Tdg), transcript variant 1, mRNA.	Mme-M300022181	ILMN_2666355	0	0
21667	Tdgf1	-0.285	-0.033	0.043	0	0	0	0	0	0	NM_011562	teratocarcinoma-derived growth factor (Tdgf1), mRNA.	Mme-M400001469	ILMN_2595311	0	0
58865	Tdh	-0.214	0.007	-0.038	0	0	0	0	0	0	NM_021480	L-threonine dehydrogenase (Tdh), mRNA.	Mme-M300003029	ILMN_1244724	0	0
56720	Tdo2	0.126	-0.039	-0.066	0	0	0	0	0	0	NM_019911	tryptophan 2,3-dioxygenase (Tdo2), mRNA.	Mme-M300005898	ILMN_2674643	0	0
56196	Tdp2	0.287	0.006	0.025	0	0	0	0	0	0	NM_019551	Traf and Tnf receptor associated protein (Ttrap), mRNA.	Mme-M200003800	ILMN_2514218	0	0
207213	Tdpoz1	-0.057	0.004	0.103	0	0	0	0	0	0	NM_148949	TD and POZ domain containing 1 (Tdpoz1), mRNA.	Mme-M400006918	ILMN_2745344	0	0
399674	Tdpoz3	-0.042	0.048	-0.054	0	0	0	0	0	0	NM_207271	TD and POZ domain containing 3 (Tdpoz3), mRNA.	Mme-M400006151	ILMN_3112023	0	0
399675	Tdpoz4	0.020	-0.076	-0.072	0	0	0	0	0	0	NM_207272	TD and POZ domain containing 4 (Tdpoz4), mRNA.	Mme-M400012642	ILMN_2860432	0	0
399676	Tdpoz5	0.036	-0.040	-0.040	0	0	0	0	0	0	NM_207273	TD and POZ domain containing 5 (Tdpoz5), mRNA.	Mme-M400009239	ILMN_3079605	0	0
83561	Tdrd1	0.070	0.069	-0.049	0	0	0	0	0	0	NM_031387	tudor domain containing 1 (Tdrd1), transcript variant 4, mRNA.	Mme-M200008758	ILMN_3132549	0	0
71981	Tdrd12	0.042	0.032	-0.029	0	0	0	0	0	0	NM_028034	tudor domain containing 12 (Tdrd12), transcript variant 2, mRNA.	Mme-M400001281	ILMN_2751804	0	0
219249	Tdrd3	-0.039	0.107	0.038	0	0	0	0	0	0	NM_172605	tudor domain containing 3 (Tdrd3), mRNA.	Mme-M200007721	ILMN_3075157	0	0
210510	Tdrd6	0.048	-0.089	0.031	0	0	0	0	0	0	NM_198418	tudor domain containing 6 (Tdrd6), mRNA.	Mme-M400002342	ILMN_2733717	0	0
100121	Tdrd7	0.059	-0.079	0.110	0	0	0	0	0	0	NM_146142	tudor domain containing 7 (Tdrd7), mRNA.	Mme-M300009962	ILMN_2818678	0	0
72634	Tdrkh	0.223	0.095	-0.114	0	0	0	0	0	0	NM_028307	tudor and KH domain containing protein (Tdrkh), mRNA.	Mme-M200013626	ILMN_2734624	0	0
72148	Tdrp	-0.020	-0.090	-0.253	0	0	0	0	0	0	NM_173744	RIKEN cDNA 2610019F03 gene (2610019F03Rik), mRNA.	Mme-M300020763	ILMN_2761720	0	0
21676	Tead1	-0.168	0.020	-0.007	0	0	0	0	0	0	NM_009346	TEA domain family member 1 (Tead1), mRNA.	Mme-M300000289	ILMN_2607207	0	0
21677	Tead2	-0.023	0.113	-0.045	0	0	0	0	0	0	NM_011565	TEA domain family member 2 (Tead2), mRNA.	Mme-M200001157	ILMN_2653207	0	0
21679	Tead4	-0.065	0.047	0.051	0	0	0	0	0	0	NM_001080979	TEA domain family member 4 (Tead4), transcript variant 2, mRNA.	Mme-M300007164	ILMN_2599986	0	0
21682	Tec	-0.134	-0.187	0.117	0	0	0	0	0	0	NM_001113464	cytoplasmic tyrosine kinase, Dscr28C related (Drosophila) (Tec), transcript variant 2, mRNA.	Mme-M300006553	ILMN_2752933	0	0
70381	Tecpr1	-0.091	0.128	-0.086	0	0	0	0	0	0	NM_027410	RIKEN cDNA 2210010N04 gene (2210010N04Rik), mRNA.	Mme-M400013367	ILMN_2752436	0	0
104859	Tecpr2	-0.114	-0.229	-0.076	0	0	0	0	0	0	NM_001081057	RIKEN cDNA 4930573I19 gene (4930573I19Rik), mRNA.	Mme-M300002660	ILMN_3028247	0	0
106529	Tecr	-0.147	0.056	-0.132	0	0	0	0	0	0	NM_134118	glycoprotein, synaptic 2 (Gpsn2), mRNA.	Mme-M300007857	ILMN_2994779	0	0
243078	Tecrl	-0.203	-0.020	0.010	0	0	0	0	0	0	NM_153801	steroid 5 alpha-reductase 2-like 2 (Srd5a2l2), mRNA.	Mme-M300020278	ILMN_2742759	0	0
21683	Tecta	-0.101	0.110	-0.243	0	0	0	0	0	0	NM_009347	tectorin alpha (Tecta), mRNA.	Mme-M300011084	ILMN_2682029	0	0
21684	Tectb	-0.100	0.012	0.039	0	0	0	0	0	0	NM_009348	tectorin beta (Tectb), mRNA.	Mme-M200013891	ILMN_2634484	0	0
240819	Teddm1a	0.097	0.090	0.054	0	0	0	0	0	0	NM_178244	transmembrane epididymal protein 1 (Teddm1), mRNA.	Mme-M300017916	ILMN_1235654	0	0
433365	Teddm1b	0.081	0.024	0.099	0	0	0	0	0	0	NM_001008426	predicted gene, EG433365 (EG433365), mRNA.	Mme-M300014356	ILMN_2962539	0	0
240817	Teddm2	-0.025	-0.023	0.082	0	0	0	0	0	0	NM_178243	RIKEN cDNA 5830403L16 gene (5830403L16Rik), mRNA.	Mme-M300016887	ILMN_1237653	0	0
66561	Teddm3	-0.134	0.042	-0.071	0	0	0	0	0	0	NM_025634	RIKEN cDNA 2310042E22 gene (2310042E22Rik), mRNA.	Mme-M400011503	ILMN_2634140	0	0
21685	Tef	0.151	-0.060	-0.054	0	0	0	0	0	0	NM_153484	thyrotroph embryonic factor (Tef), transcript variant 2, mRNA.	Mme-M200003750	ILMN_2715400	0	0
68550	Tefm	0.400	0.044	0.001	0	0	0	0	0	0	NM_183275	RIKEN cDNA 1110002N22 gene (1110002N22Rik), mRNA.	Mme-M200003612	ILMN_2938179	0	0
21687	Tek	0.271	-0.026	0.007	0	0	0	0	0	0	NM_013690	endothelial-specific receptor tyrosine kinase (Tek), mRNA.	Mme-M300000795	ILMN_1220170	0	0
21689	Tekt1	0.077	-0.124	-0.254	0	0	0	0	0	0	NM_011569	tektin 1 (Tekt1), mRNA.	Mme-M300002394	ILMN_1239718	0	0
71062	Tekt3	-0.026	-0.020	-0.074	0	0	0	0	0	0	NM_027660	tektin 3 (Tekt3), mRNA.	Mme-M300013552	ILMN_2757547	0	0
70426	Tekt5	0.037	0.106	0.047	0	0	0	0	0	0	NM_001099275	tektin 5 (Tekt5), mRNA.	Mme-M300012004	ILMN_1250633	0	0
71718	Telo2	0.242	-0.052	-0.044	0	0	0	0	0	0	NM_027880	TEL2, telomere maintenance 2, homolog (S. cerevisiae) (Telo2), mRNA.	Mme-M200007134	ILMN_2734797	0	0
69535	Ten1	0.214	0.120	-0.078	0	0	0	0	0	0	XM_181318	PREDICTED: RIKEN cDNA 2310004N24 gene (2310004N24Rik), mRNA.	Mme-M200013676	ILMN_2693587	0	0
23963	Tenm1	-0.054	0.062	-0.099	0	0	0	0	0	0	NM_011855	odd Oz/ten-m homolog 1 (Drosophila) (Odz1), mRNA.	Mme-M200013850	ILMN_2540448	0	0
23964	Tenm2	-0.018	-0.153	-0.126	0	0	0	0	0	0	NM_011856	odd Oz/ten-m homolog 2 (Drosophila) (Odz2), transcript variant 1, mRNA.	Mme-M300020076	ILMN_1256981	0	0
23965	Tenm3	0.161	-0.108	-0.126	0	0	0	0	0	0	NM_011857	odd Oz/ten-m homolog 3 (Drosophila) (Odz3), mRNA.	Mme-M400001382	ILMN_2741231	0	0
23966	Tenm4	0.289	0.258	-0.108	0	0	0	0	0	0	NM_011858	odd Oz/ten-m homolog 4 (Drosophila) (Odz4), mRNA.	Mme-M200002965	ILMN_1230926	0	0
21745	Tep1	0.043	-0.034	0.007	0	0	0	0	0	0	NM_009351	telomerase associated protein 1 (Tep1), mRNA.	Mme-M400006303	ILMN_1239043	0	0
73407	Tepp	0.111	-0.091	-0.064	0	0	0	0	0	0	NM_028532	RIKEN cDNA 1700055M20 gene (1700055M20Rik), transcript variant 2, mRNA.	Mme-M400001405	ILMN_1226573	0	0
21749	Terf1	0.068	0.101	-0.089	0	0	0	0	0	0	NM_009352	telomeric repeat binding factor 1 (Terf1), mRNA.	Mme-M200001680	ILMN_1256480	0	0
21750	Terf2	0.267	-0.060	0.100	0	0	0	0	0	0	NM_009353	telomeric repeat binding factor 2 (Terf2), transcript variant 1, mRNA.	Mme-M300007975	ILMN_2623712	0	0
57321	Terf2ip	0.117	-0.117	0.086	0	0	0	0	0	0	NM_020584	telomeric repeat binding factor 2, interacting protein (Terf2ip), mRNA.	Mme-M200013251	ILMN_2986458	0	0
21752	Tert	-0.069	0.143	-0.056	0	0	0	0	0	0	NM_009354	telomerase reverse transcriptase (Tert), mRNA.	Mme-M200002871	ILMN_2999505	0	0
21753	Tes	0.231	-0.157	0.129	0	0	0	0	0	0	NM_207176	testis derived transcript (Tes), mRNA.	Mme-M400009399	ILMN_3084954	0	0
57816	Tesc	-0.421	-0.100	0.132	0	0	0	0	0	0	NM_021344	tescalcin (Tesc), mRNA.	Mme-M300006629	ILMN_2748222	0	0
69301	Tescl	-0.031	-0.043	0.023	0	0	0	0	0	0	NR_003638	RIKEN cDNA 1700008P20 gene (1700008P20Rik) on chromosome 7.	Mme-M400005310	ILMN_2631903	0	0
21754	Tesk1	-0.170	-0.106	-0.070	0	0	0	0	0	0	NM_011571	testis specific protein kinase 1 (Tesk1), mRNA.	Mme-M200002884	ILMN_1231930	0	0
230661	Tesk2	0.314	0.058	0.003	0	0	0	0	0	0	NM_146151	testis-specific kinase 2 (Tesk2), mRNA.	Mme-M300009070	ILMN_2628330	0	0
67596	Tespa1	0.221	0.228	0.251	0	0	0	0	0	0	NM_183264	RIKEN cDNA 5830405N20 gene (5830405N20Rik), mRNA.	Mme-M200007214	ILMN_2690214	0	0
52463	Tet1	-0.124	-0.045	0.554	0	0	1	0	0	1	XM_125673	PREDICTED: CXXC finger 6, transcript variant 1 (Cxxc6), mRNA.	Mme-M200011682	ILMN_2598232	1	0
214133	Tet2	-0.092	-0.117	0.299	0	0	0	0	0	0	NM_001040400	tet oncogene family member 2 (Tet2), mRNA.	Mme-M400005445	ILMN_2630039	0	0
194388	Tet3	-0.177	0.072	-0.091	0	0	0	0	0	0	XM_886913	PREDICTED: RIKEN cDNA D230004J03 gene (D230004J03Rik), mRNA.	Mme-M300009568	ILMN_1223556	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
269536	Tex10	0.143	-0.050	0.180	0	0	0	0	0	0	NM_172304	testis expressed gene 10 (Tex10), mRNA.	Mme-M200012473	ILMN_1238398	0	0
56746	Tex101	-0.004	-0.014	0.077	0	0	0	0	0	0	NM_019981	testis expressed gene 101 (Tex101), mRNA.	Mme-M200004616	ILMN_2590670	0	0
83558	Tex11	0.093	-0.044	-0.013	0	0	0	0	0	0	NM_031384	testis expressed gene 11 (Tex11), mRNA.	Mme-M200009172	ILMN_2599470	0	0
83555	Tex13	-0.232	0.052	-0.062	0	0	0	0	0	0	NM_031381	testis expressed gene 13 (Tex13), mRNA.	Mme-M200012228	ILMN_2850784	0	0
67944	Tex13a	-0.125	-0.062	-0.083	0	0	0	0	0	0	NM_026469	RIKEN cDNA 1700025D03 gene (1700025D03Rik), mRNA.	Mme-M400011569	ILMN_1222335	0	0
83560	Tex14	-0.252	0.085	0.127	0	0	0	0	0	0	NM_031386	testis expressed gene 14 (Tex14), mRNA.	Mme-M200008499	ILMN_2620323	0	0
104271	Tex15	0.006	0.004	-0.020	0	0	0	0	0	0	NM_031374	testis expressed gene 15 (Tex15), mRNA.	Mme-M200010640	ILMN_2627339	0	0
83556	Tex16	-0.052	0.135	0.069	0	0	0	0	0	0	NM_031382	testis expressed gene 16 (Tex16), mRNA.	Mme-M200012184	ILMN_2638256	0	0
73679	Tex19.1	-0.080	0.071	-0.085	0	0	0	0	0	0	NM_028602	testis expressed gene 19 (Tex19), mRNA.	Mme-M200003111	ILMN_2615917	0	0
70956	Tex19.2	-0.169	0.002	-0.076	0	0	0	0	0	0	NM_027622	RIKEN cDNA 4921530G04 gene (4921530G04Rik), mRNA.	Mme-M400002244	ILMN_1212878	0	0
21763	Tex2	0.157	-0.181	0.120	0	0	0	0	0	0	NM_198292	testis expressed gene 2 (Tex2), mRNA.	Mme-M300012720	ILMN_1248072	0	0
80384	Tex21	-0.181	-0.008	-0.016	0	0	0	0	0	0	NM_019784	testis expressed gene 21 (Tex21), mRNA.	Mme-M200015491	ILMN_2671073	0	0
75671	Tex22	-0.445	-0.013	-0.030	0	0	0	0	0	0	NM_029381	testis expressed gene 22 (Tex22), mRNA.	Mme-M200004615	ILMN_2652235	0	0
541463	Tex24	-0.150	-0.143	0.081	0	0	0	0	0	0	NM_001013609	testis expressed gene 24 (Tex24), mRNA.	Mme-M400014165	ILMN_2785857	0	0
21766	Tex261	0.172	0.044	-0.099	0	0	0	0	0	0	NM_009357	testis expressed gene 261 (Tex261), mRNA.	Mme-M200000298	ILMN_1253322	0	0
21767	Tex264	0.154	-0.177	-0.153	0	0	0	0	0	0	NM_001081654	testis expressed gene 264 (Tex264), transcript variant 2, mRNA.	Mme-M200004339	ILMN_1247681	0	0
75528	Tex29	0.048	-0.012	0.046	0	0	0	0	0	0	NM_029326	RIKEN cDNA 1700018L24 gene (1700018L24Rik), mRNA.	Mme-M400001379	ILMN_1218396	0	0
73376	Tex33	0.043	0.022	-0.082	0	0	0	0	0	0	XM_181371	PREDICTED: RIKEN cDNA 1700061J05 gene (1700061J05Rik), mRNA.	Mme-M200015358	ILMN_1245666	0	0
73435	Tex35	-0.334	-0.053	0.074	0	0	0	0	0	0	NM_028540	RIKEN cDNA 1700057K13 gene (1700057K13Rik), mRNA.	Mme-M200008810	ILMN_1247752	0	0
73808	Tex36	-0.379	-0.053	0.063	0	0	0	0	0	0	NM_028654	RIKEN cDNA 4930404H21 gene (4930404H21Rik), mRNA.	Mme-M200010655	ILMN_1219309	0	0
74221	Tex37	-0.142	-0.109	0.021	0	0	0	0	0	0	NM_028825	RIKEN cDNA 1700011F03 gene (1700011F03Rik), mRNA.	Mme-M400003927	ILMN_2639308	0	0
75173	Tex38	-0.196	-0.060	0.022	0	0	0	0	0	0	XM_485433	PREDICTED: RIKEN cDNA 4930544O15 gene (4930544O15Rik), mRNA.	Mme-M300015567	ILMN_1243985	0	0
67077	Tex40	-0.023	-0.108	-0.129	0	0	0	0	0	0	NM_001039494	RIKEN cDNA 1700019N12 gene (1700019N12Rik), mRNA.	Mme-M400003715	ILMN_1258349	0	0
21778	Tex9	-0.216	-0.025	0.319	0	0	1	0	0	0	NM_009359	testis expressed gene 9 (Tex9), mRNA.	Mme-M300008126	ILMN_2803286	0	0
21780	Tfam	0.200	0.019	0.150	0	0	0	0	0	0	NM_009360	transcription factor A, mitochondrial (Tfam), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013739	ILMN_2603182	0	0
21418	Tfap2a	-0.117	-0.095	0.100	0	0	0	0	0	0	NM_011547	transcription factor AP-2, alpha (Tcfap2a), transcript variant 1, mRNA.	Mme-M400011147	ILMN_2764846	0	0
21420	Tfap2c	-0.016	-0.547	-0.090	0	-1	0	0	0	0	NM_009335	transcription factor AP-2, gamma (Tcfap2c), mRNA.	Mme-M200001412	ILMN_1231632	0	0
226896	Tfap2d	0.164	-0.039	0.047	0	0	0	0	0	0	NM_153154	transcription factor AP-2, delta (Tcfap2d), mRNA.	Mme-M200009727	ILMN_2657830	0	0
332937	Tfap2e	-0.038	-0.049	-0.002	0	0	0	0	0	0	NM_198960	transcription factor AP-2, epsilon (Tcfap2e), mRNA.	Mme-M300013716	ILMN_1221831	0	0
83383	Tfap4	-0.236	-0.121	0.183	0	0	0	0	0	0	NM_031182	transcription factor AP4 (Tcfap4), mRNA.	Mme-M200014840	ILMN_2706477	0	0
224481	Tfb1m	0.094	-0.094	0.025	0	0	0	0	0	0	NM_146074	transcription factor B1, mitochondrial (Tfb1m), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300010677	ILMN_2690441	0	0
15278	Tfb2m	-0.047	-0.129	-0.185	0	0	0	0	0	0	NM_008249	transcription factor B2, mitochondrial (Tfb2m), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400001835	ILMN_2874071	0	0
21422	Tfcp2	-0.038	-0.068	-0.001	0	0	0	0	0	0	NM_033476	transcription factor CP2 (Tcfcp2), mRNA.	Mme-M300001069	ILMN_2769178	0	0
81879	Tfcp2l1	-0.186	-0.712	0.159	0	-1	0	0	-1	0	NM_023755	transcription factor CP2-like 1 (Tcfcp2l1), mRNA.	Mme-M400000919	ILMN_2769832	0	1
21781	Tfdp1	0.261	0.042	-0.161	0	0	0	0	0	0	NM_009361	transcription factor Dp 1 (Tfdp1), mRNA.	Mme-M400002140	ILMN_2692110	0	0
211586	Tfdp2	-0.140	-0.186	0.117	0	0	0	0	0	0	NM_178667	transcription factor Dp 2 (Tfdp2), mRNA.	Mme-M300008250	ILMN_1238094	0	0
209446	Tfe3	-0.007	0.165	-0.029	0	0	0	0	0	0	NM_001105196	transcription factor E3 (Tcfe3), transcript variant 2, mRNA.	Mme-M300000014	ILMN_2721982	0	0
21425	Tfeb	0.000	0.113	-0.021	0	0	0	0	0	0	NM_011549	transcription factor EB (Tcfeb), mRNA.	Mme-M200000871	ILMN_2939434	0	0
21426	Tfec	0.003	-0.087	0.002	0	0	0	0	0	0	NM_031198	transcription factor EC (Tcfec), mRNA.	Mme-M200007849	ILMN_2608547	0	0
21784	Tff1	0.004	-0.197	0.057	0	0	0	0	0	0	NM_009362	trefoil factor 1 (Tff1), mRNA.	Mme-M200001084	ILMN_2830821	0	0
21785	Tff2	0.490	-0.580	0.313	0	-1	1	0	-1	0	NM_009363	trefoil factor 2 (spasmolytic protein 1) (Tff2), mRNA.	Mme-M200000706	ILMN_1228211	0	1
21786	Tff3	-0.270	-0.060	0.045	0	0	0	0	0	0	NM_011575	trefoil factor 3, intestinal (Tff3), mRNA.	Mme-M200001857	ILMN_2645973	0	0
21787	Tfg	0.181	-0.008	-0.104	0	0	0	0	0	0	NM_019678	Trk-fused gene (Tfg), mRNA.	Mme-M200013565	ILMN_2976601	0	0
54723	Tfip11	0.128	0.220	-0.107	0	0	0	0	0	0	NM_018783	tuftelin interacting protein 11 (Tfip11), mRNA.	Mme-M300006622	ILMN_2661666	0	0
21788	Tfpi	0.225	-0.109	-0.032	0	0	0	0	0	0	NM_011576	tissue factor pathway inhibitor (Tfpi), mRNA.	Mme-M300005466	ILMN_1248790	0	0
21789	Tfpi2	-0.078	0.017	-0.068	0	0	0	0	0	0	NM_009364	tissue factor pathway inhibitor 2 (Tfpi2), mRNA.	Mme-M200005155	ILMN_2670204	0	0
69714	Tfpt	0.141	0.132	-0.122	0	0	0	0	0	0	NM_023524	TCF3 (E2A) fusion partner (Tfpt), mRNA.	Mme-M400006585	ILMN_1217000	0	0
50765	Tfr2	-0.133	0.095	-0.065	0	0	0	0	0	0	NM_015799	transferrin receptor 2 (Trfr2), mRNA.	Mme-M200004208	ILMN_1227831	0	0
22042	Tfrc	0.048	0.177	0.149	0	0	0	0	0	0	NM_011638	transferrin receptor (Tfrc), mRNA.	Mme-M200006124	ILMN_2860804	0	0
21819	Tg	-0.168	0.158	0.022	0	0	0	0	0	0	NM_009375	thyroglobulin (Tg), mRNA.	Mme-M200003125	ILMN_2658878	0	0
76355	Tgds	0.126	-0.015	-0.074	0	0	0	0	0	0	NM_029578	TDP-glucose 4,6-dehydratase (Tgds), mRNA.	Mme-M400011680	ILMN_2759436	0	0
21802	Tgfa	0.055	0.002	-0.025	0	0	0	0	0	0	NM_031199	transforming growth factor alpha (Tgfa), mRNA.	Mme-M400001210	ILMN_2765162	0	0
21803	Tgfb1	0.266	0.108	-0.010	0	0	0	0	0	0	NM_011577	transforming growth factor, beta 1 (Tgfb1), mRNA.	Mme-M200002771	ILMN_2711461	0	0
21804	Tgfb1i1	0.025	-0.064	-0.098	0	0	0	0	0	0	NM_009365	transforming growth factor beta 1 induced transcript 1 (Tgfb1i1), mRNA.	Mme-M200001250	ILMN_1227722	0	0
21808	Tgfb2	-0.174	-0.127	-0.093	0	0	0	0	0	0	NM_009367	transforming growth factor, beta 2 (Tgfb2), mRNA.	Mme-M300012054	ILMN_1225196	0	0
21809	Tgfb3	0.403	0.209	-0.025	0	0	0	0	0	0	NM_009368	transforming growth factor, beta 3 (Tgfb3), mRNA.	Mme-M200000493	ILMN_2748966	0	0
21810	Tgfbi	-0.178	0.293	-0.055	0	0	0	0	0	0	NM_009369	transforming growth factor, beta induced (Tgfbi), mRNA.	Mme-M200003312	ILMN_2834379	0	0
21812	Tgfbr1	-0.033	-0.184	0.148	0	0	0	0	0	0	NM_009370	transforming growth factor, beta receptor I (Tgfbr1), mRNA.	Mme-M300000906	ILMN_2602711	0	0
21813	Tgfbr2	0.361	0.167	0.134	0	0	0	0	0	0	NM_009371	transforming growth factor, beta receptor II (Tgfbr2), transcript variant 1, mRNA.	Mme-M200004708	ILMN_2760979	0	0
21814	Tgfbr3	0.044	-0.144	-0.220	0	0	0	0	0	0	NM_011578	transforming growth factor, beta receptor III (Tgfbr3), mRNA.	Mme-M200012949	ILMN_2606601	0	0
73122	Tgfbrap1	0.141	-0.106	-0.082	0	0	0	0	0	0	NM_001013025	transforming growth factor, beta receptor associated protein 1 (Tgfbrap1), mRNA.	Mme-M400013944	ILMN_1214561	0	0
21815	Tgif1	-0.061	0.307	0.184	0	0	0	0	0	0	NM_009372	TG interacting factor 1 (Tgif1), mRNA.	Mme-M200002685	ILMN_1253854	0	0
228839	Tgif2	-0.049	0.167	-0.009	0	0	0	0	0	0	NM_173396	TGFB-induced factor 2 (Tgif2), mRNA.	Mme-M200007059	ILMN_1212828	0	0
245583	Tgif2lx1	0.064	-0.028	-0.039	0	0	0	0	0	0	NM_153109	TGFB-induced factor homeobox 2-like, X-linked (Tgif2lx), mRNA.	Mme-M400008167	ILMN_2739692	0	0
21816	Tgm1	-0.076	0.105	-0.029	0	0	0	0	0	0	NM_019984	transglutaminase 1, K polypeptide (Tgm1), mRNA.	Mme-M200013808	ILMN_2743642	0	0
21817	Tgm2	0.484	0.255	0.135	0	0	0	0	0	0	NM_009373	transglutaminase 2, C polypeptide (Tgm2), mRNA.	Mme-M200003694	ILMN_2692615	0	0
21818	Tgm3	-0.057	0.044	0.052	0	0	0	0	0	0	NM_009374	transglutaminase 3, E polypeptide (Tgm3), mRNA.	Mme-M300005625	ILMN_2777363	0	0
331046	Tgm4	-0.085	-0.114	-0.112	0	0	0	0	0	0	NM_177911	transglutaminase 4 (prostate) (Tgm4), mRNA.	Mme-M300004766	ILMN_1245431	0	0
74176	Tgm5	-0.498	-0.149	-0.091	0	0	0	0	0	0	NM_028799	transglutaminase 5 (Tgm5), mRNA.	Mme-M300003701	ILMN_2690144	0	0
241636	Tgm6	-0.188	-0.024	-0.043	0	0	0	0	0	0	NM_177726	transglutaminase 6 (Tgm6), mRNA.	Mme-M300005626	ILMN_1245910	0	0
640543	Tgm7	-0.290	0.009	0.013	0	0	0	0	0	0	XM_001003231	PREDICTED: similar to transglutaminase 7 (LOC640543), mRNA.	Mme-M400007535	ILMN_1225830	0	0
22134	Tgoln1	-0.062	-0.146	0.058	0	0	0	0	0	0	NM_009443	trans-golgi network protein (Tgoln1), mRNA.	Mme-M400005507	ILMN_1248415	0	0
116940	Tgs1	-0.132	0.091	-0.237	0	0	0	0	0	0	NM_054089	trimethylguanosine synthase homolog (S. cerevisiae) (Tgs1), mRNA.	Mme-M300006003	ILMN_2660485	0	0
21822	Tgtp1	0.198	0.868	0.533	0	1	1	0	1	1	NM_011579	T-cell specific GTPase (Tgtp), mRNA.	Mme-M400003473	ILMN_2754158	2	0
21823	Th	-0.234	0.071	0.045	0	0	0	0	0	0	NM_009377	tyrosine hydroxylase (Th), mRNA.	Mme-M200000494	ILMN_1222014	0	0
71776	Tha1	-0.032	-0.137	-0.010	0	0	0	0	0	0	NM_027919	threonine aldolase 1 (Tha1), mRNA.	Mme-M200001235	ILMN_2594768	0	0
240174	Thada	-0.155	0.044	-0.186	0	0	0	0	0	0	XM_619495	PREDICTED: thyroid adenoma associated (Thada), mRNA.	Mme-M400003636	ILMN_1232235	0	0
73754	Thap1	0.238	-0.073	-0.128	0	0	0	0	0	0	NM_199042	THAP domain containing, apoptosis associated protein 1 (Thap1), mRNA.	Mme-M300010804	ILMN_2603593	0	0
59016	Thap11	0.325	-0.076	-0.003	0	0	0	0	0	0	NM_021513	THAP domain containing 11 (Thap11), mRNA.	Mme-M200006492	ILMN_2588832	0	0
66816	Thap2	0.154	-0.124	-0.045	0	0	0	0	0	0	NM_025780	THAP domain containing, apoptosis associated protein 2 (Thap2), mRNA.	Mme-M200007211	ILMN_1249124	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
69876	Thap3	-0.181	0.011	-0.007	0	0	0	0	0	0	NM_175152	THAP domain containing, apoptosis associated protein 3 (Thap3), mRNA.	Mme-M400012285	ILMN_2652425	0	0
67026	Thap4	0.270	-0.121	0.070	0	0	0	0	0	0	NM_025920	THAP domain containing 4 (Thap4), mRNA.	Mme-M200006593	ILMN_2773540	0	0
69009	Thap7	0.056	0.082	-0.066	0	0	0	0	0	0	NM_026909	THAP domain containing 7 (Thap7), mRNA.	Mme-M200002888	ILMN_2702997	0	0
75629	Thap8	0.057	0.025	-0.032	0	0	0	0	0	0	XM_906694	PREDICTED: RIKEN cDNA 1700020L13 gene (1700020L13Rik), mRNA.	Mme-M200011014	ILMN_2466370	0	0
21824	Thbd	0.150	-0.302	0.103	0	0	0	0	0	0	NM_009378	thrombomodulin (Thbd), mRNA.	Mme-M400010929	ILMN_1249767	0	0
21825	Thbs1	0.507	-0.134	-0.001	0	0	0	0	0	0	NM_011580	thrombospondin 1 (Thbs1), mRNA.	Mme-M200001618	ILMN_2659151	0	0
21826	Thbs2	0.447	0.130	0.090	0	0	0	0	0	0	NM_011581	thrombospondin 2 (Thbs2), mRNA.	Mme-M200005324	ILMN_2635229	0	0
21827	Thbs3	0.035	0.200	-0.091	0	0	0	0	0	0	NM_013691	thrombospondin 3 (Thbs3), mRNA.	Mme-M400001054	ILMN_2840958	0	0
21828	Thbs4	0.392	0.027	0.069	0	0	0	0	0	0	NM_011582	thrombospondin 4 (Thbs4), mRNA.	Mme-M200003968	ILMN_2631882	0	0
21830	Theg	0.002	0.073	0.099	0	0	0	0	0	0	NM_199226	testicular haploid expressed gene (Theg), transcript variant 2, mRNA.	Mme-M200015979	ILMN_2677161	0	0
75778	Them4	0.157	0.104	0.015	0	0	0	0	0	0	NM_029431	thioesterase superfamily member 4 (Them4), mRNA.	Mme-M300005964	ILMN_1251524	0	0
66198	Them5	-0.104	-0.078	-0.054	0	0	0	0	0	0	NM_025416	thioesterase superfamily member 5 (Them5), mRNA.	Mme-M200011935	ILMN_2946970	0	0
223626	Them6	-0.214	-0.076	0.089	0	0	0	0	0	0	NM_198607	RIKEN cDNA 4930572J05 gene (4930572J05Rik), mRNA.	Mme-M400005586	ILMN_2704496	0	0
74088	Them7	-0.043	-0.085	0.088	0	0	0	0	0	0	NM_028747	RIKEN cDNA 0610012H03 gene (0610012H03Rik), mRNA.	Mme-M400005122	ILMN_2682917	0	0
210757	Themis	-0.326	0.075	0.147	0	0	0	0	0	0	NM_178666	RIKEN cDNA E430004N04 gene (E430004N04Rik), mRNA.	Mme-M300019874	ILMN_1214364	0	0
74556	Themis3	-0.176	0.006	0.069	0	0	0	0	0	0	XM_484657	PREDICTED: RIKEN cDNA 9130404H23 gene (9130404H23Rik), mRNA.	Mme-M300003914	ILMN_1225257	0	0
208967	Thnsl1	-0.167	0.106	-0.127	0	0	0	0	0	0	NM_001001297	threonine synthase-like 1 (bacterial) (Thnsl1), transcript variant 2, mRNA.	Mme-M300019341	ILMN_1226652	0	0
232078	Thnsl2	0.025	0.118	-0.107	0	0	0	0	0	0	NM_001033929	threonine synthase-like 2 (bacterial) (Thnsl2), transcript variant 2, mRNA.	Mme-M400004823	ILMN_2773485	0	0
225160	Thoc1	0.192	0.193	0.049	0	0	0	0	0	0	NM_153552	THO complex 1 (Thoc1), mRNA.	Mme-M300004037	ILMN_2850527	0	0
331401	Thoc2	0.332	-0.144	-0.018	0	0	0	0	0	0	NM_001033422	THO complex 2 (Thoc2), mRNA.	Mme-M400002014	ILMN_1254807	0	0
73666	Thoc3	0.015	-0.125	-0.067	0	0	0	0	0	0	NM_028597	THO complex 3 (Thoc3), mRNA.	Mme-M300004822	ILMN_2757197	0	0
107829	Thoc5	0.039	0.108	0.000	0	0	0	0	0	0	NM_172438	THO complex 5 (Thoc5), mRNA.	Mme-M200006255	ILMN_2679755	0	0
386612	Thoc6	0.073	0.167	-0.015	0	0	0	0	0	0	NM_001008425	THO complex 6 homolog (Drosophila) (Thoc6), mRNA.	Mme-M300013117	ILMN_2778428	0	0
66231	Thoc7	0.212	-0.114	0.182	0	0	0	0	0	0	NM_025435	THO complex 7 homolog (Drosophila) (Thoc7), transcript variant 1, mRNA.	Mme-M200005793	ILMN_2600729	0	0
50492	Thop1	0.073	-0.064	-0.020	0	0	0	0	0	0	NM_022653	thimet oligopeptidase 1 (Thop1), mRNA.	Mme-M200005387	ILMN_2674324	0	0
21833	Thra	0.143	0.203	-0.110	0	0	0	0	0	0	NM_178060	thyroid hormone receptor alpha (Thra), mRNA.	Mme-M400012451	ILMN_1257365	0	0
230753	Thrap3	0.142	0.078	0.128	0	0	0	0	0	0	NM_146153	thyroid hormone receptor associated protein 3 (Thrap3), mRNA.	Mme-M400009303	ILMN_1254716	0	0
21834	Thrb	0.093	0.085	-0.058	0	0	0	0	0	0	NM_001113417	thyroid hormone receptor beta (Thrb), transcript variant 1, mRNA.	Mme-M200001931	ILMN_2698682	0	0
21835	Thrsp	0.715	0.121	-0.267	1	0	0	0	0	0	NM_009381	thyroid hormone responsive SPOT14 homolog (Rattus) (Thrsp), mRNA.	Mme-M200006081	ILMN_1256775	0	0
56229	Thsd1	-0.070	0.062	-0.009	0	0	0	0	0	0	NM_019576	thrombospondin, type I, domain 1 (Thsd1), mRNA.	Mme-M200007179	ILMN_2759285	0	0
207596	Thsd4	0.216	-0.515	1.652	0	-1	1	0	0	1	NM_172444	thrombospondin, type I, domain containing 4 (Thsd4), transcript variant 2, mRNA.	Mme-M300008166	ILMN_1235124	1	0
330267	Thsd7a	0.045	-0.122	0.271	0	0	0	0	0	0	XM_287555	PREDICTED: thrombospondin, type I, domain containing 7A, transcript variant 1 (Thsd7a), mRNA.	Mme-M300008355	ILMN_2531172	0	0
210417	Thsd7b	-0.110	0.107	-0.176	0	0	0	0	0	0	NM_172485	thrombospondin, type I, domain containing 7B (Thsd7b), mRNA.	Mme-M300013770	ILMN_2949380	0	0
105663	Thtpa	0.212	0.182	-0.132	0	0	0	0	0	0	NM_153083	thiamine triphosphatase (Thtpa), mRNA.	Mme-M300016626	ILMN_2683095	0	0
233802	Thumpd1	0.177	0.015	0.050	0	0	0	0	0	0	NM_145585	THUMP domain containing 1 (Thumpd1), mRNA.	Mme-M200005270	ILMN_2722488	0	0
72167	Thumpd2	-0.158	0.052	-0.014	0	0	0	0	0	0	XM_898870	PREDICTED: THUMP domain containing 2, transcript variant 3 (Thumpd2), mRNA.	Mme-M200004978	ILMN_1214378	0	0
14911	Thumpd3	-0.067	0.080	0.089	0	0	0	0	0	0	NM_008188	THUMP domain containing 3 (Thumpd3), mRNA.	Mme-M200000276	ILMN_2809988	0	0
21838	Thy1	-0.127	0.346	0.033	0	0	0	0	0	0	NM_009382	thymus cell antigen 1, theta (Thy1), mRNA.	Mme-M400001424	ILMN_2644350	0	0
77862	Thyn1	0.082	-0.040	0.002	0	0	0	0	0	0	NM_144543	thymocyte nuclear protein 1 (Thyn1), mRNA.	Mme-M200003474	ILMN_2987062	0	0
21841	Tia1	0.199	0.058	0.138	0	0	0	0	0	0	NM_011585	cytotoxic granule-associated RNA binding protein 1 (Tia1), mRNA.	Mme-M200000868	ILMN_2911936	0	0
21843	Tial1	0.319	0.226	0.086	0	0	0	0	0	0	NM_009383	Tia1 cytotoxic granule-associated RNA binding protein-like 1 (Tial1), mRNA.	Mme-M400014810	ILMN_2590837	0	0
21844	Tiam1	0.084	-0.214	-0.082	0	0	0	0	0	0	NM_009384	T-cell lymphoma invasion and metastasis 1 (Tiam1), mRNA.	Mme-M400000055	ILMN_2737710	0	0
24001	Tiam2	0.118	0.230	-0.029	0	0	0	0	0	0	NM_011878	T-cell lymphoma invasion and metastasis 2 (Tiam2), transcript variant 1, mRNA.	Mme-M200006277	ILMN_2836875	0	0
106759	Ticam1	0.271	0.095	-0.099	0	0	0	0	0	0	NM_174989	toll-like receptor adaptor molecule 1 (Ticam1), mRNA.	Mme-M300017985	ILMN_1220387	0	0
225471	Ticam2	-0.085	0.204	0.041	0	0	0	0	0	0	NM_173394	toll-like receptor adaptor molecule 2 (Ticam2), mRNA.	Mme-M400005409	ILMN_2955020	0	0
77011	Ticrr	0.029	-0.023	0.034	0	0	0	0	0	0	NM_029835	RIKEN cDNA 5730590G19 gene (5730590G19Rik), mRNA.	Mme-M300017484	ILMN_1235734	0	0
21846	Tie1	0.354	0.125	-0.121	0	0	0	0	0	0	NM_011587	tyrosine kinase receptor 1 (Tie1), mRNA.	Mme-M300008629	ILMN_2928560	0	0
211550	Tifa	0.155	0.166	0.062	0	0	0	0	0	0	NM_145133	TRAF-interacting protein with forkhead-associated domain (Tifa), mRNA.	Mme-M300017573	ILMN_1233896	0	0
212937	Tifab	0.135	-0.047	-0.038	0	0	0	0	0	0	NM_145976	TRAF-interacting protein with forkhead-associated domain, family member B (Tifab), mRNA.	Mme-M300020364	ILMN_3162163	0	0
319801	Tigar	0.119	0.027	0.040	0	0	0	0	0	0	NM_177003	RIKEN cDNA 9630033F20 gene (9630033F20Rik), mRNA.	Mme-M400019311	ILMN_1260001	0	0
68140	Tigd2	0.270	-0.215	0.134	0	0	0	0	0	0	NM_001081145	tigger transposable element derived 2 (Tigd2), mRNA.	Mme-M300016504	ILMN_1260412	0	0
332359	Tigd3	-0.196	0.100	-0.064	0	0	0	0	0	0	NM_198634	tigger transposable element derived 3 (Tigd3), mRNA.	Mme-M300015412	ILMN_2525968	0	0
403175	Tigd4	0.182	0.127	-0.081	0	0	0	0	0	0	NM_207278	tigger transposable element derived 4 (Tigd4), mRNA.	Mme-M300018648	ILMN_2542998	0	0
105734	Tigd5	0.110	-0.007	0.001	0	0	0	0	0	0	NM_178646	tigger transposable element derived 5 (Tigd5), mRNA.	Mme-M300018022	ILMN_1221043	0	0
171284	Timd2	0.076	-0.019	0.038	0	0	0	0	0	0	NM_134249	T-cell immunoglobulin and mucin domain containing 2 (Timd2), mRNA.	Mme-M300012648	ILMN_2940135	0	0
276891	Timd4	0.251	0.179	0.064	0	0	0	0	0	0	NM_178759	T-cell immunoglobulin and mucin domain containing 4 (Timd4), mRNA.	Mme-M400012494	ILMN_2589057	0	0
30059	Timm10	0.331	-0.009	0.110	0	0	0	0	0	0	NM_013899	translocase of inner mitochondrial membrane 10 homolog (yeast) (Timm10), nuclear gene encoding mitochondr	Mme-M200004226	ILMN_1227235	0	0
14356	Timm10b	0.228	-0.128	-0.072	0	0	0	0	0	0	NM_019502	fractured callus expressed transcript 1 (Fxc1), mRNA.	Mme-M300007480	ILMN_2684874	0	0
30055	Timm13	-0.197	-0.124	0.100	0	0	0	0	0	0	NM_013895	translocase of inner mitochondrial membrane 13 homolog (yeast) (Timm13), nuclear gene encoding mitochondr	Mme-M400000369	ILMN_2693839	0	0
21854	Timm17a	0.025	0.033	0.122	0	0	0	0	0	0	NM_011590	translocase of inner mitochondrial membrane 17a (Timm17a), nuclear gene encoding mitochondrial protein, mR	Mme-M300001041	ILMN_2722704	0	0
21855	Timm17b	0.122	-0.101	-0.033	0	0	0	0	0	0	NM_011591	translocase of inner mitochondrial membrane 17b (Timm17b), nuclear gene encoding mitochondrial protein, mR	Mme-M200005537	ILMN_2824012	0	0
67105	Timm21	0.241	0.149	0.051	0	0	0	0	0	0	NM_025969	RIKEN cDNA 1700034H14 gene (1700034H14Rik), mRNA.	Mme-M200005864	ILMN_2685133	0	0
56322	Timm22	-0.277	0.041	-0.143	0	0	0	0	0	0	NM_019818	translocase of inner mitochondrial membrane 22 homolog (yeast) (Timm22), nuclear gene encoding mitochondr	Mme-M200003686	ILMN_2589359	0	0
53600	Timm23	0.207	0.054	-0.078	0	0	0	0	0	0	NM_016897	translocase of inner mitochondrial membrane 23 homolog (yeast) (Timm23), nuclear gene encoding mitochondr	Mme-M300001235	ILMN_1245965	0	0
21856	Timm44	0.163	0.117	-0.116	0	0	0	0	0	0	NM_011592	translocase of inner mitochondrial membrane 44 (Timm44), nuclear gene encoding mitochondrial protein, mRN	Mme-M200009384	ILMN_2968676	0	0
66525	Timm50	0.310	-0.099	-0.029	0	0	0	0	0	0	NM_025616	translocase of inner mitochondrial membrane 50 homolog (yeast) (Timm50), nuclear gene encoding mitochondr	Mme-M200014635	ILMN_1241845	0	0
30058	Timm8a1	0.058	-0.095	-0.013	0	0	0	0	0	0	NM_013898	translocase of inner mitochondrial membrane 8 homolog a1 (yeast) (Timm8a1), nuclear gene encoding mitocho	Mme-M400011234	ILMN_2896552	0	0
223262	Timm8a2	-0.005	-0.051	0.100	0	0	0	0	0	0	NM_001037744	translocase of inner mitochondrial membrane 8 homolog a2 (yeast) (Timm8a2), nuclear gene encoding mitocho	Mme-M400003031	ILMN_2983631	0	0
30057	Timm8b	0.141	0.134	0.027	0	0	0	0	0	0	NM_013897	translocase of inner mitochondrial membrane 8 homolog b (yeast) (Timm8b), nuclear gene encoding mitochond	Mme-M400011233	ILMN_2667219	0	0
30056	Timm9	0.488	0.100	-0.020	0	0	0	0	0	0	NM_001024854	translocase of inner mitochondrial membrane 9 homolog (yeast) (Timm9), nuclear gene encoding mitochondrial	Mme-M300002550	ILMN_3116614	0	0
76916	Timmdc1	-0.130	-0.135	0.109	0	0	0	0	0	0	NM_024273	RIKEN cDNA 4930455C21 gene (4930455C21Rik), mRNA.	Mme-M200009059	ILMN_2627318	0	0
21857	Timp1	0.788	0.641	0.061	1	1	0	0	1	0	NM_011593	tissue inhibitor of metalloproteinase 1 (Timp1), transcript variant 2, mRNA.	Mme-M300000154	ILMN_3103896	1	0
21858	Timp2	-0.055	0.111	0.027	0	0	0	0	0	0	NM_011594	tissue inhibitor of metalloproteinase 2 (Timp2), mRNA.	Mme-M300001586	ILMN_2712867	0	0
21859	Timp3	0.148	-0.127	0.125	0	0	0	0	0	0	NM_011595	tissue inhibitor of metalloproteinase 3 (Timp3), mRNA.	Mme-M200002007	ILMN_2614759	0	0
110595	Timp4	0.124	0.446	-0.052	0	1	0	0	0	0	NM_080639	tissue inhibitor of metalloproteinase 4 (Timp4), mRNA.	Mme-M300007135	ILMN_2665133	0	0
26944	Tinag	-0.092	0.099	-0.024	0	0	0	0	0	0	NM_012033	tubulointerstitial nephritis antigen (Tinag), mRNA.	Mme-M200004589	ILMN_1248959	0	0
94242	Tinagl1	-0.095	-0.081	-0.030	0	0	0	0	0	0	NM_023476	tubulointerstitial nephritis antigen-like (Tinagl), mRNA.	Mme-M300006283	ILMN_2760619	0	0
28113	Tinf2	0.273	-0.061	-0.101	0	0	0	0	0	0	NM_145705	Terf1 (TRF1)-interacting nuclear factor 2 (Tinf2), mRNA.	Mme-M200001422	ILMN_2602616	0	0
99929	Tiparp	0.263	-0.048	0.057	0	0	0	0	0	0	NM_178892	TCDD-inducible poly(ADP-ribose) polymerase (Tiparp), mRNA.	Mme-M200004198	ILMN_2589291	0	0
66131	Tipin	0.424	0.177	-0.049	0	0	0	0	0	0	NM_025372	timeless interacting protein (Tipin), mRNA.	Mme-M300008241	ILMN_1216801	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
226591	Tiprl	-0.186	0.006	-0.013	0	0	0	0	0	0	NM_145513	TIP41, TOR signalling pathway regulator-like (S. cerevisiae) (Tiprl), mRNA.	Mme-M200004148	ILMN_2622066	0	0
117149	Tirap	-0.018	0.169	-0.064	0	0	0	0	0	0	NM_054096	toll-interleukin 1 receptor (TIR) domain-containing adaptor protein (Tirap), mRNA.	Mme-M200008030	ILMN_1214645	0	0
74094	Tjap1	0.377	0.164	-0.119	0	0	0	0	0	0	NM_028751	tight junction associated protein 1 (Tjap1), mRNA.	Mme-M200005110	ILMN_2934448	0	0
21872	Tjp1	0.339	-0.100	0.114	0	0	0	0	0	0	NM_009386	tight junction protein 1 (Tjp1), mRNA.	Mme-M200001692	ILMN_2706587	0	0
21873	Tjp2	0.277	-0.315	-0.096	0	0	0	0	0	0	NM_011597	tight junction protein 2 (Tjp2), mRNA.	Mme-M300004336	ILMN_2773769	0	0
27375	Tjp3	-0.228	-0.207	-0.101	0	0	0	0	0	0	NM_013769	tight junction protein 3 (Tjp3), mRNA.	Mme-M200005780	ILMN_2723523	0	0
21877	Tk1	-0.181	0.406	0.329	0	0	1	0	0	0	NM_009387	thymidine kinase 1 (Tk1), mRNA.	Mme-M200001015	ILMN_2605890	0	0
57813	Tk2	-0.231	-0.183	0.077	0	0	0	0	0	0	NM_021028	thymidine kinase 2, mitochondrial (Tk2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200012139	ILMN_1214486	0	0
225913	Tkfc	-0.055	0.025	-0.057	0	0	0	0	0	0	NM_145496	dihydroxyacetone kinase 2 homolog (yeast) (Dak), mRNA.	Mme-M200007807	ILMN_1246429	0	0
21881	Tkt	0.068	-0.262	-0.134	0	0	0	0	0	0	NM_009388	transketolase (Tkt), mRNA.	Mme-M200009754	ILMN_2607880	0	0
83553	Tktl1	-0.235	-0.023	0.061	0	0	0	0	0	0	NM_031379	transketolase-like 1 (Tktl1), mRNA.	Mme-M200005044	ILMN_1249204	0	0
74419	Tktl2	-0.045	-0.190	0.040	0	0	0	0	0	0	NM_028927	transketolase-like 2 (Tktl2), mRNA.	Mme-M200010745	ILMN_2612812	0	0
68385	Tlcd1	-0.089	-0.174	-0.016	0	0	0	0	0	0	NM_026708	TLC domain containing 1 (Tlcd1), mRNA.	Mme-M200005844	ILMN_2781458	0	0
380712	Tlcd2	0.071	-0.621	-0.100	0	-1	0	0	-1	0	NM_027249	RIKEN cDNA 2010305C02 gene (2010305C02Rik), mRNA.	Mme-M200013496	ILMN_1249828	0	1
383766	Tldc2	-0.229	0.029	-0.017	0	0	0	0	0	0	XM_357232	PREDICTED: gene model 1332, (NCBI) (Gm1332), mRNA.	Mme-M400002079	ILMN_2535911	0	0
21885	Tle1	-0.075	-0.264	-0.111	0	0	0	0	0	0	NM_011599	transducin-like enhancer of split 1, homolog of Drosophila E(spl) (Tle1), mRNA.	Mme-M400000152	ILMN_1230788	0	0
21886	Tle2	-0.500	0.081	0.133	0	0	0	0	0	0	NM_019725	transducin-like enhancer of split 2, homolog of Drosophila E(spl) (Tle2), mRNA.	Mme-M300009534	ILMN_1250103	0	0
21887	Tle3	0.068	0.220	-0.121	0	0	0	0	0	0	NM_001083928	transducin-like enhancer of split 3, homolog of Drosophila E(spl) (Tle3), transcript variant 3, mRNA.	Mme-M300008164	ILMN_2615276	0	0
21888	Tle4	-0.058	-0.183	0.104	0	0	0	0	0	0	NM_011600	transducin-like enhancer of split 4, homolog of Drosophila E(spl) (Tle4), mRNA.	Mme-M300004250	ILMN_2746356	0	0
114606	Tle6	0.277	-0.053	-0.066	0	0	0	0	0	0	NM_053254	transducin-like enhancer of split 6, homolog of Drosophila E(spl) (Tle6), mRNA.	Mme-M200013119	ILMN_2900617	0	0
228012	Tlk1	0.083	-0.039	0.021	0	0	0	0	0	0	NM_172664	tousled-like kinase 1 (Tlk1), mRNA.	Mme-M300013461	ILMN_2745450	0	0
24086	Tlk2	-0.262	-0.024	0.171	0	0	0	0	0	0	NM_011903	tousled-like kinase 2 (Arabidopsis) (Tlk2), transcript variant B, mRNA.	Mme-M400013522	ILMN_2772538	0	0
21892	Tll1	-0.105	-0.012	0.035	0	0	0	0	0	0	NM_009390	tolloid-like (Tll1), mRNA.	Mme-M400004532	ILMN_2624789	0	0
21894	Tln1	0.063	0.093	0.062	0	0	0	0	0	0	NM_011602	talin 1 (Tln1), mRNA.	Mme-M400001088	ILMN_2605679	0	0
70549	Tln2	-0.409	-0.204	0.085	0	0	0	0	0	0	NM_001081242	talin 2 (Tln2), mRNA.	Mme-M400004114	ILMN_3086334	0	0
21897	Tlr1	0.258	0.281	0.396	0	0	1	0	0	0	NM_030682	toll-like receptor 1 (Tlr1), mRNA.	Mme-M200007446	ILMN_1236908	0	0
239081	Tlr11	-0.084	0.220	-0.072	0	0	0	0	0	0	NM_205819	toll-like receptor 11 (Tlr11), mRNA.	Mme-M400003951	ILMN_2795644	0	0
384059	Tlr12	-0.014	0.075	0.033	0	0	0	0	0	0	NM_205823	toll-like receptor 12 (Tlr12), mRNA.	Mme-M400007882	ILMN_2714500	0	0
279572	Tlr13	0.142	0.334	0.178	0	0	0	0	0	0	NM_205820	toll-like receptor 13 (Tlr13), mRNA.	Mme-M300008936	ILMN_2735961	0	0
24088	Tlr2	0.232	0.439	0.355	0	1	1	0	0	0	NM_011905	toll-like receptor 2 (Tlr2), mRNA.	Mme-M200015882	ILMN_2733733	0	0
142980	Tlr3	0.076	0.045	0.032	0	0	0	0	0	0	NM_126166	toll-like receptor 3 (Tlr3), mRNA.	Mme-M200007436	ILMN_2697002	0	0
21898	Tlr4	0.109	0.081	0.052	0	0	0	0	0	0	NM_021297	toll-like receptor 4 (Tlr4), mRNA.	Mme-M300011883	ILMN_2752966	0	0
21899	Tlr6	0.020	0.075	0.238	0	0	0	0	0	0	NM_011604	toll-like receptor 6 (Tlr6), mRNA.	Mme-M400003833	ILMN_3162337	0	0
170743	Tlr7	0.184	0.186	0.166	0	0	0	0	0	0	NM_133211	toll-like receptor 7 (Tlr7), mRNA.	Mme-M300015594	ILMN_1245354	0	0
170744	Tlr8	0.033	0.062	0.029	0	0	0	0	0	0	NM_133212	toll-like receptor 8 (Tlr8), mRNA.	Mme-M200012747	ILMN_2460572	0	0
81897	Tlr9	0.039	-0.045	0.051	0	0	0	0	0	0	NM_031178	toll-like receptor 9 (Tlr9), mRNA.	Mme-M400011716	ILMN_2454579	0	0
21908	Tlx1	-0.107	0.017	-0.020	0	0	0	0	0	0	NM_021901	T-cell leukemia, homeobox 1 (Tlx1), mRNA.	Mme-M200008548	ILMN_2511684	0	0
21909	Tlx2	-0.331	-0.266	0.042	0	0	0	0	0	0	NM_009392	T-cell leukemia, homeobox 2 (Tlx2), mRNA.	Mme-M300006976	ILMN_1258230	0	0
27140	Tlx3	-0.159	-0.115	0.033	0	0	0	0	0	0	NM_019916	T-cell leukemia, homeobox 3 (Tlx3), mRNA.	Mme-M400002410	ILMN_1217773	0	0
94043	Tm2d1	0.007	0.059	-0.008	0	0	0	0	0	0	NM_053157	TM2 domain containing 1 (Tm2d1), mRNA.	Mme-M200004805	ILMN_2741689	0	0
69742	Tm2d2	0.249	-0.009	-0.052	0	0	0	0	0	0	NM_027194	TM2 domain containing 2 (Tm2d2), mRNA.	Mme-M200006098	ILMN_2679723	0	0
68634	Tm2d3	0.123	-0.023	-0.138	0	0	0	0	0	0	NM_178056	TM2 domain containing 3 (Tm2d3), transcript variant 2, mRNA.	Mme-M400009502	ILMN_2696537	0	0
17112	Tm4sf1	0.363	0.107	0.037	0	0	0	0	0	0	NM_008536	transmembrane 4 superfamily member 1 (Tm4sf1), mRNA.	Mme-M200000302	ILMN_2462650	0	0
66261	Tm4sf20	0.030	-0.058	0.025	0	0	0	0	0	0	NM_025453	transmembrane 4 L six family member 20 (Tm4sf20), mRNA.	Mme-M200014470	ILMN_3006663	0	0
229302	Tm4sf4	-0.051	0.057	-0.129	0	0	0	0	0	0	NM_145539	transmembrane 4 superfamily member 4 (Tm4sf4), mRNA.	Mme-M300005791	ILMN_2901387	0	0
75604	Tm4sf5	-0.428	0.101	0.083	0	0	0	0	0	0	NM_029360	transmembrane 4 superfamily member 5 (Tm4sf5), mRNA.	Mme-M200004882	ILMN_2945330	0	0
107769	Tm6sf1	0.115	0.082	0.163	0	0	0	0	0	0	NM_145375	transmembrane 6 superfamily member 1 (Tm6sf1), mRNA.	Mme-M200012970	ILMN_2886981	0	0
107770	Tm6sf2	-0.025	-0.002	-0.007	0	0	0	0	0	0	NM_181540	transmembrane 6 superfamily member 2 (Tm6sf2), mRNA.	Mme-M300010262	ILMN_2512740	0	0
73166	Tm7sf2	-0.037	-0.009	0.070	0	0	0	0	0	0	NM_028454	transmembrane 7 superfamily member 2 (Tm7sf2), mRNA.	Mme-M400009110	ILMN_1241333	0	0
67623	Tm7sf3	0.046	-0.093	-0.087	0	0	0	0	0	0	NM_026281	transmembrane 7 superfamily member 3 (Tm7sf3), mRNA.	Mme-M200003676	ILMN_2521376	0	0
74140	Tm9sf1	0.309	-0.064	0.021	0	0	0	0	0	0	NM_028780	transmembrane 9 superfamily member 1 (Tm9sf1), mRNA.	Mme-M200006583	ILMN_1216422	0	0
68059	Tm9sf2	0.253	-0.151	0.215	0	0	0	0	0	0	NM_080556	transmembrane 9 superfamily member 2 (Tm9sf2), mRNA.	Mme-M200002276	ILMN_2802611	0	0
107358	Tm9sf3	0.224	-0.038	-0.066	0	0	0	0	0	0	NM_133352	transmembrane 9 superfamily member 3 (Tm9sf3), mRNA.	Mme-M200001143	ILMN_2707063	0	0
99237	Tm9sf4	0.252	0.124	-0.049	0	0	0	0	0	0	NM_133847	transmembrane 9 superfamily protein member 4 (Tm9sf4), mRNA.	Mme-M400011821	ILMN_2977690	0	0
66282	Tma16	0.226	-0.061	-0.092	0	0	0	0	0	0	NM_025465	RIKEN cDNA 1810029B16 gene (1810029B16Rik), mRNA.	Mme-M400011487	ILMN_2647318	0	0
66167	Tma7	0.076	-0.144	0.437	0	0	1	0	0	1	NM_183250	coiled-coil domain containing 72 (Ccdc72), mRNA.	Mme-M400012547	ILMN_2669699	1	0
69660	Tmbim1	-0.052	-0.037	-0.137	0	0	0	0	0	0	NM_027154	transmembrane BAX inhibitor motif containing 1 (Tmbim1), mRNA.	Mme-M200012113	ILMN_2908056	0	0
68212	Tmbim4	0.392	0.010	-0.033	0	0	0	0	0	0	NM_026617	transmembrane BAX inhibitor motif containing 4 (Tmbim4), mRNA.	Mme-M200006522	ILMN_2730714	0	0
110213	Tmbim6	-0.006	-0.059	-0.117	0	0	0	0	0	0	NM_026669	testis enhanced gene transcript (Tegt), mRNA.	Mme-M300003627	ILMN_2697248	0	0
75010	Tmbim7	-0.477	-0.049	0.025	0	0	0	0	0	0	NM_029141	RIKEN cDNA 4930511M11 gene (4930511M11Rik), mRNA.	Mme-M200013035	ILMN_2604216	0	0
13409	Tmc1	-0.035	0.024	0.115	0	0	0	0	0	0	NM_028953	transmembrane channel-like gene family 1 (Tmc1), mRNA.	Mme-M300004293	ILMN_2784402	0	0
192140	Tmc2	-0.039	-0.030	0.009	0	0	0	0	0	0	NM_138655	transmembrane channel-like gene family 2 (Tmc2), mRNA.	Mme-M300011162	ILMN_2440296	0	0
233424	Tmc3	0.032	0.013	-0.068	0	0	0	0	0	0	NM_177695	transmembrane channel-like gene family 3 (Tmc3), mRNA.	Mme-M400012427	ILMN_2495977	0	0
353499	Tmc4	0.282	-0.184	-0.295	0	0	0	0	0	0	NM_181820	transmembrane channel-like gene family 4 (Tmc4), mRNA.	Mme-M400008281	ILMN_2435822	0	0
74424	Tmc5	0.005	0.015	0.026	0	0	0	0	0	0	NM_028930	transmembrane channel-like gene family 5 (Tmc5), transcript variant 2, mRNA.	Mme-M300007345	ILMN_2505970	0	0
217353	Tmc6	-0.170	0.212	-0.116	0	0	0	0	0	0	NM_145439	transmembrane channel-like gene family 6 (Tmc6), transcript variant 1, mRNA.	Mme-M200003072	ILMN_1213001	0	0
209760	Tmc7	0.243	0.097	0.074	0	0	0	0	0	0	NM_172476	transmembrane channel-like gene family 7 (Tmc7), mRNA.	Mme-M400002598	ILMN_2501267	0	0
217356	Tmc8	-0.741	-0.003	-0.037	-1	0	0	0	0	0	NM_181856	transmembrane channel-like 8 (Tmc8), mRNA.	Mme-M300020818	ILMN_2613685	0	0
330401	Tmcc1	-0.048	-0.021	-0.006	0	0	0	0	0	0	XM_892747	PREDICTED: transmembrane and coiled coil domains 1, transcript variant 2 (Tmcc1), mRNA.	Mme-M300007018	ILMN_2712490	0	0
68875	Tmcc2	0.074	0.275	0.081	0	0	0	0	0	0	NM_178874	transmembrane and coiled-coil domains 2 (Tmcc2), mRNA.	Mme-M400002575	ILMN_2593104	0	0
319880	Tmcc3	0.064	-0.019	0.091	0	0	0	0	0	0	NM_172051	transmembrane and coiled coil domains 3 (Tmcc3), mRNA.	Mme-M300001960	ILMN_2732604	0	0
68944	Tmco1	0.206	0.135	0.135	0	0	0	0	0	0	NM_001039483	transmembrane and coiled-coil domains 1 (Tmco1), mRNA.	Mme-M400011585	ILMN_2561062	0	0
69469	Tmco2	-0.028	-0.032	0.062	0	0	0	0	0	0	NM_001081312	transmembrane and coiled-coil domains 2 (Tmco2), mRNA.	Mme-M300022329	ILMN_1258750	0	0
234076	Tmco3	-0.116	0.123	-0.102	0	0	0	0	0	0	NM_172282	transmembrane and coiled-coil domains 3 (Tmco3), mRNA.	Mme-M300011586	ILMN_2628744	0	0
77056	Tmco4	-0.013	0.178	0.071	0	0	0	0	0	0	NM_029857	transmembrane and coiled-coil domains 4 (Tmco4), mRNA.	Mme-M200004659	ILMN_1218034	0	0
67356	Tmco5	-0.005	0.036	-0.099	0	0	0	0	0	0	NM_026104	transmembrane and coiled-coil domains 5 (Tmco5), mRNA.	Mme-M300005599	ILMN_3162129	0	0
75275	Tmco5b	0.064	0.078	-0.075	0	0	0	0	0	0	NM_029232	RIKEN cDNA 4930563P21 gene (4930563P21Rik), mRNA.	Mme-M200010980	ILMN_1255963	0	0
71983	Tmco6	0.009	-0.035	0.054	0	0	0	0	0	0	NM_028036	transmembrane and coiled-coil domains 6 (Tmco6), mRNA.	Mme-M200009540	ILMN_2621853	0	0
17083	Tmed1	0.000	0.196	-0.164	0	0	0	0	0	0	NM_010744	transmembrane emp24 domain containing 1 (Tmed1), mRNA.	Mme-M200012726	ILMN_1214974	0	0
68581	Tmed10	0.203	0.179	0.046	0	0	0	0	0	0	NM_026775	transmembrane emp24-like trafficking protein 10 (yeast) (Tmed10), mRNA.	Mme-M300002646	ILMN_2763255	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67366	Tmed11	-0.171	0.002	-0.017	0	0	0	0	0	0	NM_026109	RIKEN cDNA 1810008K16 gene (1810008K16Rik), mRNA.	Mme-M200014458	ILMN_2632811	0	0
56334	Tmed2	0.477	-0.093	-0.085	0	0	0	0	0	0	NM_019770	transmembrane emp24 domain trafficking protein 2 (Tmed2), mRNA.	Mme-M400011334	ILMN_1231873	0	0
66111	Tmed3	0.463	0.173	-0.159	0	0	0	0	0	0	NM_025360	transmembrane emp24 domain containing 3 (Tmed3), mRNA.	Mme-M200005621	ILMN_2650532	0	0
103694	Tmed4	0.240	0.224	-0.171	0	0	0	0	0	0	NM_134020	transmembrane emp24 protein transport domain containing 4 (Tmed4), mRNA.	Mme-M200006838	ILMN_2695528	0	0
73130	Tmed5	0.285	-0.053	-0.087	0	0	0	0	0	0	NM_028876	transmembrane emp24 protein transport domain containing 5 (Tmed5), mRNA.	Mme-M200008866	ILMN_2713557	0	0
66269	Tmed6	-0.017	-0.189	0.059	0	0	0	0	0	0	NM_025458	transmembrane emp24 protein transport domain containing 6 (Tmed6), mRNA.	Mme-M200004557	ILMN_1242942	0	0
382620	Tmed8	0.191	0.097	-0.042	0	0	0	0	0	0	NM_001033475	transmembrane emp24 domain containing 8 (Tmed8), mRNA.	Mme-M400014556	ILMN_1234054	0	0
67511	Tmed9	0.174	0.138	0.073	0	0	0	0	0	0	NM_026211	transmembrane emp24 protein transport domain containing 9 (Tmed9), mRNA.	Mme-M200014218	ILMN_2981871	0	0
230157	Tmeff1	0.132	-0.044	-0.112	0	0	0	0	0	0	NM_021436	transmembrane protein with EGF-like and two follistatin-like domains 1 (Tmeff1), mRNA.	Mme-M200013742	ILMN_2472693	0	0
56363	Tmeff2	-0.174	-0.086	0.115	0	0	0	0	0	0	NM_019790	transmembrane protein with EGF-like and two follistatin-like domains 2 (Tmeff2), mRNA.	Mme-M400000894	ILMN_1232641	0	0
67888	Tmem100	-0.067	-0.014	-0.073	0	0	0	0	0	0	NM_026433	transmembrane protein 100 (Tmem100), mRNA.	Mme-M200008515	ILMN_1224014	0	0
76547	Tmem101	-0.327	0.090	-0.074	0	0	0	0	0	0	NM_029649	transmembrane protein 101 (Tmem101), mRNA.	Mme-M200014541	ILMN_1245872	0	0
380705	Tmem102	0.165	-0.143	-0.047	0	0	0	0	0	0	NM_001033433	transmembrane protein 102 (Tmem102), mRNA.	Mme-M400002674	ILMN_1245382	0	0
217203	Tmem106a	0.117	0.404	0.035	0	0	0	0	0	0	NM_144830	transmembrane protein 106A (Tmem106a), mRNA.	Mme-M200012965	ILMN_1238346	0	0
71900	Tmem106b	0.279	-0.054	-0.037	0	0	0	0	0	0	NM_027992	transmembrane protein 106B (Tmem106b), mRNA.	Mme-M200008788	ILMN_1231096	0	0
380967	Tmem106c	0.092	-0.110	-0.082	0	0	0	0	0	0	NM_201359	transmembrane protein 106C (Tmem106c), mRNA.	Mme-M400004093	ILMN_2618696	0	0
66910	Tmem107	-0.275	0.067	-0.227	0	0	0	0	0	0	NM_025838	transmembrane protein 107 (Tmem107), transcript variant 1, mRNA.	Mme-M300002449	ILMN_3163211	0	0
81907	Tmem108	0.127	-0.010	-0.023	0	0	0	0	0	0	NM_178638	transmembrane protein 108 (Tmem108), mRNA.	Mme-M400002665	ILMN_2804559	0	0
68539	Tmem109	0.098	-0.129	-0.033	0	0	0	0	0	0	NM_134142	transmembrane protein 109 (Tmem109), mRNA.	Mme-M200006786	ILMN_2685275	0	0
216821	Tmem11	0.220	0.032	0.036	0	0	0	0	0	0	NM_173453	transmembrane protein 11 (Tmem11), mRNA.	Mme-M400002732	ILMN_2646138	0	0
69179	Tmem110	0.261	-0.192	0.056	0	0	0	0	0	0	NM_028839	transmembrane protein 110 (Tmem110), mRNA.	Mme-M200009429	ILMN_2640348	0	0
74720	Tmem114	-0.125	0.227	0.026	0	0	0	0	0	0	NM_029070	RIKEN cDNA 4930511J11 gene (4930511J11Rik), mRNA.	Mme-M200010847	ILMN_2675000	0	0
56395	Tmem115	0.047	-0.031	-0.104	0	0	0	0	0	0	NM_019704	transmembrane protein 115 (Tmem115), mRNA.	Mme-M200005500	ILMN_1218014	0	0
77462	Tmem116	-0.248	-0.287	0.066	0	0	0	0	0	0	NM_029912	transmembrane protein 116 (Tmem116), mRNA.	Mme-M300006687	ILMN_2624031	0	0
320709	Tmem117	0.125	-0.074	0.278	0	0	0	0	0	0	NM_178789	transmembrane protein 117 (Tmem117), mRNA.	Mme-M300020086	ILMN_2692733	0	0
231633	Tmem119	0.386	0.238	-0.027	0	0	0	0	0	0	NM_146162	transmembrane protein 119 (Tmem119), mRNA.	Mme-M300017622	ILMN_3001322	0	0
215210	Tmem120a	-0.039	0.069	-0.038	0	0	0	0	0	0	NM_172541	transmembrane protein 120A (Tmem120a), mRNA.	Mme-M300012424	ILMN_2509273	0	0
330189	Tmem120b	-0.078	-0.195	0.166	0	0	0	0	0	0	NM_001039723	transmembrane protein 120B (Tmem120b), mRNA.	Mme-M400004811	ILMN_2909283	0	0
69195	Tmem121	-0.211	0.113	-0.099	0	0	0	0	0	0	NM_153776	transmembrane protein 121 (Tmem121), mRNA.	Mme-M200009116	ILMN_1231884	0	0
71929	Tmem123	0.205	-0.062	0.020	0	0	0	0	0	0	NM_133739	transmembrane protein 123 (Tmem123), mRNA.	Mme-M200009531	ILMN_1226867	0	0
230678	Tmem125	0.108	-0.040	0.112	0	0	0	0	0	0	NM_172383	transmembrane protein 125 (Tmem125), mRNA.	Mme-M300021516	ILMN_2703138	0	0
66271	Tmem126a	0.210	0.062	0.017	0	0	0	0	0	0	NM_025460	transmembrane protein 126A (Tmem126a), mRNA.	Mme-M200006252	ILMN_2803627	0	0
68472	Tmem126b	-0.197	-0.048	0.172	0	0	0	0	0	0	NM_026734	transmembrane protein 126B (Tmem126b), mRNA.	Mme-M200014050	ILMN_1259294	0	0
69470	Tmem127	0.042	-0.189	0.085	0	0	0	0	0	0	NM_175145	transmembrane protein 127 (Tmem127), mRNA.	Mme-M300009579	ILMN_2746107	0	0
66309	Tmem128	0.120	0.062	-0.071	0	0	0	0	0	0	NM_025480	transmembrane protein 128 (Tmem128), mRNA.	Mme-M400011488	ILMN_2674032	0	0
68366	Tmem129	0.150	0.132	-0.057	0	0	0	0	0	0	NM_026698	transmembrane protein 129 (Tmem129), mRNA.	Mme-M200011755	ILMN_2429215	0	0
243339	Tmem130	-0.034	0.137	-0.079	0	0	0	0	0	0	NM_177735	transmembrane protein 130 (Tmem130), mRNA.	Mme-M300014461	ILMN_2741629	0	0
56030	Tmem131	-0.037	0.065	-0.135	0	0	0	0	0	0	NM_018872	transmembrane protein 131 (Tmem131), mRNA.	Mme-M200003004	ILMN_2641124	0	0
98170	Tmem132a	0.303	-0.061	-0.230	0	0	0	0	0	0	NM_133804	transmembrane protein 132A (Tmem132a), mRNA.	Mme-M200005535	ILMN_2750588	0	0
208151	Tmem132b	0.033	-0.029	-0.003	0	0	0	0	0	0	XM_915709	PREDICTED: transmembrane protein 132B (Tmem132b), mRNA.	Mme-M400001170	ILMN_2530264	0	0
243274	Tmem132d	0.170	0.045	-0.042	0	0	0	0	0	0	NM_172885	transmembrane protein 132D (Tmem132d), mRNA.	Mme-M300009276	ILMN_1245312	0	0
270893	Tmem132e	-0.153	-0.178	-0.129	0	0	0	0	0	0	NM_023438	transmembrane protein 132E (Tmem132e), mRNA.	Mme-M300002349	ILMN_1229662	0	0
66990	Tmem134	0.231	-0.123	-0.081	0	0	0	0	0	0	NM_025889	transmembrane protein 134 (Tmem134), transcript variant 2, mRNA.	Mme-M200006409	ILMN_2773422	0	0
72759	Tmem135	0.256	-0.115	0.082	0	0	0	0	0	0	NM_028343	transmembrane protein 135 (Tmem135), mRNA.	Mme-M200007475	ILMN_2669991	0	0
235300	Tmem136	0.115	-0.123	0.064	0	0	0	0	0	0	NM_001034863	transmembrane protein 136 (Tmem136), mRNA.	Mme-M300019297	ILMN_2809571	0	0
72982	Tmem138	0.209	0.258	0.044	0	0	0	0	0	0	NM_028411	transmembrane protein 138 (Tmem138), mRNA.	Mme-M200014264	ILMN_2610554	0	0
109218	Tmem139	-0.245	-0.330	0.019	0	0	0	0	0	0	NM_175408	transmembrane protein 139 (Tmem139), mRNA.	Mme-M300020399	ILMN_2600822	0	0
68487	Tmem140	0.292	0.085	0.065	0	0	0	0	0	0	NM_197986	transmembrane protein 140 (Tmem140), mRNA.	Mme-M300016631	ILMN_2645901	0	0
51875	Tmem141	0.217	0.107	-0.122	0	0	0	0	0	0	NM_001040130	transmembrane protein 141 (Tmem141), transcript variant 1, mRNA.	Mme-M300005395	ILMN_2923707	0	0
70209	Tmem143	0.083	0.035	-0.180	0	0	0	0	0	0	NM_144801	transmembrane protein 143 (Tmem143), mRNA.	Mme-M200007649	ILMN_2731260	0	0
70652	Tmem144	0.081	-0.080	0.058	0	0	0	0	0	0	NM_027495	transmembrane protein 144 (Tmem144), mRNA.	Mme-M200014568	ILMN_2609654	0	0
330485	Tmem145	0.134	-0.194	-0.154	0	0	0	0	0	0	NM_183311	transmembrane protein 145 (Tmem145), mRNA.	Mme-M300014898	ILMN_1214060	0	0
69804	Tmem147	0.098	-0.048	-0.225	0	0	0	0	0	0	NM_027215	transmembrane protein 147 (Tmem147), mRNA.	Mme-M200005577	ILMN_2775751	0	0
75712	Tmem14a	0.125	0.141	0.044	0	0	0	0	0	0	NM_029398	transmembrane protein 14A (Tmem14a), mRNA.	Mme-M300004850	ILMN_2471444	0	0
66154	Tmem14c	0.315	-0.159	-0.056	0	0	0	0	0	0	NM_025387	transmembrane protein 14C (Tmem14c), mRNA.	Mme-M300002722	ILMN_2435206	0	0
232086	Tmem150a	-0.165	0.121	-0.077	0	0	0	0	0	0	NM_144916	transmembrane protein 150 (Tmem150), mRNA.	Mme-M400005342	ILMN_2861123	0	0
330460	Tmem150b	-0.172	-0.031	-0.079	0	0	0	0	0	0	NM_177887	cDNA sequence BC022651 (BC022651), mRNA.	Mme-M400003169	ILMN_1216491	0	0
231503	Tmem150c	0.155	0.023	-0.001	0	0	0	0	0	0	NM_182841	cDNA sequence BC062109 (BC062109), mRNA.	Mme-M300021319	ILMN_2766971	0	0
381199	Tmem151a	-0.283	0.253	0.088	0	0	0	0	0	0	NM_001001885	transmembrane protein 151A (Tmem151a), mRNA.	Mme-M300018156	ILMN_2881686	0	0
210573	Tmem151b	-0.156	-0.100	0.103	0	0	0	0	0	0	NM_001013749	transmembrane protein 151B (Tmem151b), mRNA.	Mme-M400003683	ILMN_3049726	0	0
320782	Tmem154	-0.361	0.094	0.116	0	0	0	0	0	0	NM_177260	transmembrane protein 154 (Tmem154), mRNA.	Mme-M400005527	ILMN_1237114	0	0
243025	Tmem156	-0.068	-0.005	0.107	0	0	0	0	0	0	XM_144292	PREDICTED: transmembrane protein 156 (Tmem156), mRNA.	Mme-M400002075	ILMN_1252253	0	0
72309	Tmem158	-0.094	-0.314	-0.105	0	0	0	0	0	0	NM_001002267	transmembrane protein 158 (Tmem158), mRNA.	Mme-M400004961	ILMN_3160486	0	0
233806	Tmem159	0.168	0.149	-0.115	0	0	0	0	0	0	NM_145586	transmembrane protein 159 (Tmem159), mRNA.	Mme-M300007492	ILMN_1256463	0	0
69094	Tmem160	0.037	-0.180	-0.167	0	0	0	0	0	0	NM_026938	transmembrane protein 160 (Tmem160), mRNA.	Mme-M200006572	ILMN_2914295	0	0
234371	Tmem161a	0.000	-0.153	-0.099	0	0	0	0	0	0	NM_145597	transmembrane protein 161A (Tmem161a), mRNA.	Mme-M200004626	ILMN_2806740	0	0
72745	Tmem161b	0.312	-0.016	-0.030	0	0	0	0	0	0	NM_175187	transmembrane protein 161B (Tmem161b), mRNA.	Mme-M300010080	ILMN_1249171	0	0
72160	Tmem163	-0.244	-0.186	0.012	0	0	0	0	0	0	NM_028135	transmembrane protein 163 (Tmem163), mRNA.	Mme-M200016091	ILMN_2713333	0	0
21982	Tmem165	0.284	-0.040	-0.061	0	0	0	0	0	0	NM_011626	transmembrane protein 165 (Tmem165), mRNA.	Mme-M200000280	ILMN_2505283	0	0
66074	Tmem167	0.193	0.019	0.125	0	0	0	0	0	0	NM_025335	transmembrane protein 167 (Tmem167), mRNA.	Mme-M200004601	ILMN_2665198	0	0
67495	Tmem167b	0.077	-0.273	0.064	0	0	0	0	0	0	NM_026198	RIKEN cDNA 2010200O16 gene (2010200O16Rik), mRNA.	Mme-M200007245	ILMN_1215233	0	0
101118	Tmem168	0.150	-0.115	0.245	0	0	0	0	0	0	NM_028990	transmembrane protein 168 (Tmem168), mRNA.	Mme-M200001784	ILMN_2964473	0	0
271711	Tmem169	-0.385	-0.015	-0.025	0	0	0	0	0	0	NM_175564	transmembrane protein 169 (Tmem169), mRNA.	Mme-M300004976	ILMN_2643021	0	0
103765	Tmem17	-0.163	0.067	-0.040	0	0	0	0	0	0	NM_153596	transmembrane protein 17 (Tmem17), mRNA.	Mme-M300020625	ILMN_2907721	0	0
66817	Tmem170	0.130	-0.024	-0.123	0	0	0	0	0	0	NM_025781	transmembrane protein 170 (Tmem170), mRNA.	Mme-M200014233	ILMN_2978655	0	0
380863	Tmem171	-0.282	0.000	-0.067	0	0	0	0	0	0	NM_001025606	transmembrane protein 171 (Tmem171), mRNA.	Mme-M400004140	ILMN_2987487	0	0
72512	Tmem173	0.394	0.427	0.073	0	1	0	0	0	0	XM_892499	PREDICTED: RIKEN cDNA 2610307O08 gene, transcript variant 2 (2610307O08Rik), mRNA.	Mme-M200014359	ILMN_2736197	0	0
68344	Tmem174	0.025	0.053	-0.049	0	0	0	0	0	0	NM_026685	transmembrane protein 174 (Tmem174), mRNA.	Mme-M200006156	ILMN_1216425	0	0
72392	Tmem175	-0.317	0.059	-0.103	0	0	0	0	0	0	NM_028223	transmembrane protein 175 (Tmem175), mRNA.	Mme-M200007188	ILMN_2677197	0	0
65963	Tmem176b	0.326	-0.001	-0.013	0	0	0	0	0	0	NM_023056	transmembrane protein 176B (Tmem176b), mRNA.	Mme-M200005978	ILMN_1259470	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66343	Tmem177	0.293	0.044	-0.124	0	0	0	0	0	0	NM_175106	transmembrane protein 177 (Tmem177), mRNA.	Mme-M400012280	ILMN_1224142	0	0
68027	Tmem178	0.347	0.019	-0.039	0	0	0	0	0	0	NM_026516	transmembrane protein 178 (Tmem178), mRNA.	Mme-M200004573	ILMN_2650475	0	0
434008	Tmem178b	-0.037	-0.065	-0.047	0	0	0	0	0	0	NM_001004182	predicted gene, EG434008 (EG434008), mRNA.	Mme-M300018255	ILMN_1244998	0	0
104885	Tmem179	0.070	0.334	-0.218	0	0	0	0	0	0	NM_178915	transmembrane protein 179 (Tmem179), mRNA.	Mme-M400004673	ILMN_2645133	0	0
67706	Tmem179b	0.164	0.036	0.057	0	0	0	0	0	0	NM_026325	transmembrane protein 179B (Tmem179b), mRNA.	Mme-M200014198	ILMN_2656071	0	0
211986	Tmem18	-0.069	-0.044	-0.042	0	0	0	0	0	0	NM_172049	transmembrane protein 18 (Tmem18), mRNA.	Mme-M400002697	ILMN_1245565	0	0
75146	Tmem180	-0.040	0.017	-0.110	0	0	0	0	0	0	NM_029186	transmembrane protein 180 (Tmem180), mRNA.	Mme-M200008302	ILMN_2709279	0	0
77106	Tmem181a	0.192	0.168	0.057	0	0	0	0	0	0	NM_001033178	transmembrane protein 181 (Tmem181), mRNA.	Mme-M300011368	ILMN_2744121	0	0
57439	Tmem183a	-0.151	-0.191	-0.053	0	0	0	0	0	0	NM_001042485	transmembrane protein 183A (Tmem183a), transcript variant 2, mRNA.	Mme-M200003593	ILMN_2667441	0	0
231832	Tmem184a	0.551	-1.994	-0.416	0	-1	-1	0	-1	-1	NM_144914	transmembrane protein 184a (Tmem184a), mRNA.	Mme-M200014552	ILMN_2894396	0	2
223693	Tmem184b	-0.069	-0.116	-0.024	0	0	0	0	0	0	NM_172608	transmembrane protein 184b (Tmem184b), mRNA.	Mme-M300001006	ILMN_2697433	0	0
234463	Tmem184c	-0.069	-0.009	0.382	0	0	1	0	0	0	NM_145599	transmembrane protein 34 (Tmem34), mRNA.	Mme-M200015689	ILMN_1248892	0	0
226351	Tmem185b	0.108	0.083	0.050	0	0	0	0	0	0	NM_146103	transmembrane protein 185B (Tmem185b), mRNA.	Mme-M400001968	ILMN_2696272	0	0
66690	Tmem186	-0.057	-0.061	-0.041	0	0	0	0	0	0	NM_025708	transmembrane protein 186 (Tmem186), mRNA.	Mme-M300014221	ILMN_1244936	0	0
407243	Tmem189	-0.126	-0.043	-0.106	0	0	0	0	0	0	NM_145538	transmembrane protein 189 (Tmem189), mRNA.	Mme-M200008081	ILMN_1243662	0	0
67226	Tmem19	0.070	-0.197	0.103	0	0	0	0	0	0	NM_133683	transmembrane protein 19 (Tmem19), mRNA.	Mme-M400011811	ILMN_2436561	0	0
78052	Tmem190	0.167	0.020	0.040	0	0	0	0	0	0	XM_911732	PREDICTED: RIKEN cDNA 4930572D21 gene (4930572D21Rik), mRNA.	Mme-M200011418	ILMN_2743871	0	0
224019	Tmem191c	0.332	0.180	-0.107	0	0	0	0	0	0	XM_358773	PREDICTED: DNA segment, Chr 16, Brigham & Women's Genetics 1494 expressed (D16Bwg1494e), mRNA.	Mme-M400005264	ILMN_2587980	0	0
73067	Tmem192	0.092	-0.127	-0.050	0	0	0	0	0	0	NM_028427	transmembrane protein 192 (Tmem192), mRNA.	Mme-M200013594	ILMN_3162499	0	0
210035	Tmem194	-0.019	0.030	-0.005	0	0	0	0	0	0	NM_173732	transmembrane protein 194 (Tmem194), transcript variant 2, mRNA.	Mme-M300012556	ILMN_2717890	0	0
319998	Tmem198	0.109	0.307	-0.103	0	0	0	0	0	0	NM_177056	transmembrane protein 198 (Tmem198), mRNA.	Mme-M300022314	ILMN_3162551	0	0
73827	Tmem198b	0.176	0.161	0.061	0	0	0	0	0	0	NM_178066	RIKEN cDNA 1110012D08 gene (1110012D08Rik), mRNA.	Mme-M300017953	ILMN_1221251	0	0
195040	Tmem199	0.076	-0.043	-0.030	0	0	0	0	0	0	NM_199199	transmembrane protein 199 (Tmem199), mRNA.	Mme-M300021882	ILMN_2645719	0	0
83921	Tmem2	0.146	-0.117	-0.141	0	0	0	0	0	0	NM_001033759	transmembrane protein 2 (Tmem2), transcript variant 2, mRNA.	Mme-M200005329	ILMN_3113437	0	0
77220	Tmem200a	-0.290	0.069	-0.033	0	0	0	0	0	0	NM_029881	RIKEN cDNA C030003D03 gene (C030003D03Rik), mRNA.	Mme-M300020160	ILMN_2736212	0	0
230917	Tmem201	-0.127	-0.111	-0.183	0	0	0	0	0	0	NM_177672	transmembrane protein 201 (Tmem201), transcript variant 2, mRNA.	Mme-M300019023	ILMN_2606973	0	0
73893	Tmem202	0.070	-0.003	-0.034	0	0	0	0	0	0	NM_178388	transmembrane protein 202 (Tmem202), mRNA.	Mme-M200012628	ILMN_1224223	0	0
227615	Tmem203	0.265	-0.098	-0.030	0	0	0	0	0	0	NM_177344	RIKEN cDNA C730025P13 gene (C730025P13Rik), mRNA.	Mme-M400012415	ILMN_2773862	0	0
407831	Tmem204	0.352	-0.118	-0.279	0	0	0	0	0	0	NM_001001183	transmembrane protein 204 (Tmem204), mRNA.	Mme-M300003953	ILMN_3162005	0	0
235043	Tmem205	0.028	-0.052	-0.194	0	0	0	0	0	0	NM_178577	transmembrane protein 205 (Tmem205), mRNA.	Mme-M300012918	ILMN_2601379	0	0
66950	Tmem206	-0.075	0.073	0.027	0	0	0	0	0	0	NM_025864	transmembrane protein 206 (Tmem206), mRNA.	Mme-M300005212	ILMN_1218588	0	0
66320	Tmem208	0.404	-0.053	0.012	0	0	0	0	0	0	NM_025486	transmembrane protein 208 (Tmem208), mRNA.	Mme-M200006767	ILMN_2853508	0	0
72649	Tmem209	0.019	-0.220	0.135	0	0	0	0	0	0	NM_178625	transmembrane protein 209 (Tmem209), mRNA.	Mme-M300006871	ILMN_2830837	0	0
78217	Tmem210	-0.058	-0.102	-0.016	0	0	0	0	0	0	XM_884900	PREDICTED: RIKEN cDNA 4930571C24 gene (4930571C24Rik), mRNA.	Mme-M200011427	ILMN_1228034	0	0
208613	Tmem212	0.108	0.071	0.057	0	0	0	0	0	0	XM_149293	PREDICTED: RIKEN cDNA E030011K20 gene (E030011K20Rik), mRNA.	Mme-M300014244	ILMN_2630201	0	0
77522	Tmem213	0.309	-0.101	-0.022	0	0	0	0	0	0	XM_885435	PREDICTED: RIKEN cDNA D630002J15 gene (D630002J15Rik), mRNA.	Mme-M300006898	ILMN_2681042	0	0
68796	Tmem214	0.398	0.198	-0.108	0	0	0	0	0	0	NM_144525	RIKEN cDNA 1110039B18 gene (1110039B18Rik), mRNA.	Mme-M200013048	ILMN_2739128	0	0
320500	Tmem215	0.167	0.069	-0.106	0	0	0	0	0	0	NM_177175	RIKEN cDNA A930001M12 gene (A930001M12Rik), mRNA.	Mme-M300017486	ILMN_1231792	0	0
68642	Tmem216	0.083	0.173	0.018	0	0	0	0	0	0	NM_026798	RIKEN cDNA 2810441K11 gene (2810441K11Rik), mRNA.	Mme-M300004260	ILMN_2799217	0	0
66279	Tmem218	0.090	0.094	-0.082	0	0	0	0	0	0	NM_025464	RIKEN cDNA 1810021J13 gene (1810021J13Rik), mRNA.	Mme-M200013600	ILMN_2639402	0	0
68742	Tmem219	0.284	0.065	-0.004	0	0	0	0	0	0	NM_028389	RIKEN cDNA 1110032O16 gene (1110032O16Rik), transcript variant 2, mRNA.	Mme-M200009369	ILMN_2689569	0	0
338369	Tmem220	0.076	0.044	0.035	0	0	0	0	0	0	NM_177392	RIKEN cDNA A730055C05 gene (A730055C05Rik), mRNA.	Mme-M300020973	ILMN_1228417	0	0
66836	Tmem223	0.299	-0.060	-0.178	0	0	0	0	0	0	NM_025791	RIKEN cDNA 0610006I08 gene (0610006I08Rik), mRNA.	Mme-M200009507	ILMN_2721178	0	0
75667	Tmem225	-0.179	0.062	0.029	0	0	0	0	0	0	XM_134639	PREDICTED: RIKEN cDNA 1700030E15 gene (1700030E15Rik), mRNA.	Mme-M200014328	ILMN_1251190	0	0
319832	Tmem229a	-0.164	-0.350	-0.007	0	0	0	0	0	0	NM_177013	RIKEN cDNA 6332401O19 gene (6332401O19Rik), mRNA.	Mme-M300018847	ILMN_1259919	0	0
268567	Tmem229b	-0.126	0.117	0.114	0	0	0	0	0	0	NM_178745	RIKEN cDNA 6330442E10 gene (6330442E10Rik), mRNA.	Mme-M400005440	ILMN_1232627	0	0
234740	Tmem231	0.046	0.084	-0.062	0	0	0	0	0	0	NM_001033321	RIKEN cDNA 4932417I16 gene (4932417I16Rik), mRNA.	Mme-M300007995	ILMN_2705176	0	0
381107	Tmem232	0.124	0.014	-0.007	0	0	0	0	0	0	NM_001008973	RIKEN cDNA E130009J12 gene (E130009J12Rik), mRNA.	Mme-M300016013	ILMN_2985193	0	0
76799	Tmem234	-0.429	-0.027	0.071	0	0	0	0	0	0	NM_029748	RIKEN cDNA 2510006D16 gene (2510006D16Rik), mRNA.	Mme-M400011686	ILMN_1249344	0	0
625286	Tmem236	0.090	0.032	-0.083	0	0	0	0	0	0	NM_001081310	RIKEN cDNA 2010003H20 gene (2010003H20Rik), mRNA.	Mme-M400007410	ILMN_1219704	0	0
381259	Tmem237	-0.302	0.056	-0.025	0	0	0	0	0	0	NM_001037812	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4 (Als2cr4), transcript variant 2, mRNA.	Mme-M400002097	ILMN_1233713	0	0
664968	Tmem238	0.181	-0.184	-0.200	0	0	0	0	0	0	NM_029384	RIKEN cDNA 2210411K11 gene (2210411K11Rik), mRNA.	Mme-M200014195	ILMN_2736690	0	0
66766	Tmem239	-0.239	0.091	0.023	0	0	0	0	0	0	NM_025753	RIKEN cDNA 4933425O20 gene (4933425O20Rik), mRNA.	Mme-M300020427	ILMN_2732276	0	0
338363	Tmem241	0.110	0.047	0.012	0	0	0	0	0	0	NM_178801	RIKEN cDNA 6030446N20 gene (6030446N20Rik), mRNA.	Mme-M300020150	ILMN_1226917	0	0
70544	Tmem242	-0.049	-0.012	-0.217	0	0	0	0	0	0	NM_027457	RIKEN cDNA 5730437N04 gene (5730437N04Rik), mRNA.	Mme-M300000622	ILMN_1218627	0	0
67063	Tmem246	-0.103	-0.149	-0.146	0	0	0	0	0	0	NM_025944	RIKEN cDNA 2810432L12 gene (2810432L12Rik), mRNA.	Mme-M200004930	ILMN_2658135	0	0
71687	Tmem25	-0.108	-0.183	0.138	0	0	0	0	0	0	NM_027865	transmembrane protein 25 (Tmem25), mRNA.	Mme-M200013582	ILMN_2506077	0	0
320351	Tmem251	0.159	-0.045	0.091	0	0	0	0	0	0	NM_177140	RIKEN cDNA D230037D09 gene (D230037D09Rik), mRNA.	Mme-M300017562	ILMN_1231670	0	0
226040	Tmem252	-0.073	-0.006	-0.034	0	0	0	0	0	0	NM_183160	RIKEN cDNA E030010A14 gene (E030010A14Rik), mRNA.	Mme-M300019361	ILMN_2599686	0	0
66039	Tmem254a	-0.115	0.040	-0.062	0	0	0	0	0	0	NM_025311	DNA segment, Chr 14, ERATO Doi 449, expressed (D14Ertd449e), mRNA.	Mme-M300002976	ILMN_2693858	0	0
245386	Tmem255a	-0.184	-0.168	0.108	0	0	0	0	0	0	NM_172930	RIKEN cDNA 6430550H21 gene (6430550H21Rik), mRNA.	Mme-M300010408	ILMN_2771951	0	0
69186	Tmem256	0.218	0.000	-0.066	0	0	0	0	0	0	NM_026982	RIKEN cDNA 1810027O10 gene (1810027O10Rik), mRNA.	Mme-M400013098	ILMN_2875089	0	0
69038	Tmem258	0.465	0.236	-0.063	0	0	0	0	0	0	XM_622862	PREDICTED: RIKEN cDNA 1810006K21 gene (1810006K21Rik), mRNA.	Mme-M300010353	ILMN_2773491	0	0
216157	Tmem259	-0.093	-0.041	0.132	0	0	0	0	0	0	NM_001003949	open reading frame 61 (ORF61), mRNA.	Mme-M300001244	ILMN_2683363	0	0
327766	Tmem26	-0.012	-0.045	0.065	0	0	0	0	0	0	NM_177794	transmembrane protein 26 (Tmem26), mRNA.	Mme-M300017992	ILMN_2491852	0	0
218989	Tmem260	0.266	-0.117	-0.056	0	0	0	0	0	0	NM_172600	RIKEN cDNA 6720456H20 gene (6720456H20Rik), mRNA.	Mme-M300010339	ILMN_1216836	0	0
66928	Tmem261	0.230	-0.138	-0.048	0	0	0	0	0	0	NM_025849	RIKEN cDNA 3110001D03 gene (3110001D03Rik), mRNA.	Mme-M200004865	ILMN_2971131	0	0
57394	Tmem27	-0.004	-0.019	0.003	0	0	0	0	0	0	NM_020626	transmembrane protein 27 (Tmem27), mRNA.	Mme-M200009466	ILMN_2485729	0	0
620592	Tmem28	-0.078	0.090	0.052	0	0	0	0	0	0	NM_001081283	transmembrane protein 28 (Tmem28), mRNA.	Mme-M400001692	ILMN_2946581	0	0
382245	Tmem29	0.033	0.092	-0.005	0	0	0	0	0	0	XM_356361	PREDICTED: transmembrane protein 29, transcript variant 1 (Tmem29), mRNA.	Mme-M300013133	ILMN_1240911	0	0
238257	Tmem30b	0.043	-0.104	-0.058	0	0	0	0	0	0	NM_178715	transmembrane protein 30B (Tmem30b), mRNA.	Mme-M300009352	ILMN_2451248	0	0
71027	Tmem30c	-0.191	0.082	-0.005	0	0	0	0	0	0	XM_001479265	PREDICTED: transmembrane protein 30C (Tmem30c), mRNA.	Mme-M400000605	ILMN_2651251	0	0
67878	Tmem33	0.136	-0.065	0.028	0	0	0	0	0	0	NM_030108	transmembrane protein 33 (Tmem33), transcript variant 2, mRNA.	Mme-M400012969	ILMN_2496263	0	0
67564	Tmem35	-0.111	0.181	0.071	0	0	0	0	0	0	NM_026239	transmembrane protein 35 (Tmem35), mRNA.	Mme-M200013618	ILMN_2892650	0	0
170706	Tmem37	0.359	-0.095	-0.017	0	0	0	0	0	0	NM_019432	transmembrane protein 37 (Tmem37), mRNA.	Mme-M200004986	ILMN_1230151	0	0
74166	Tmem38a	0.546	0.466	-0.069	0	1	0	0	0	0	NM_144534	transmembrane protein 38A (Tmem38a), mRNA.	Mme-M200013243	ILMN_1245673	0	0
52076	Tmem38b	0.068	-0.135	-0.185	0	0	0	0	0	0	NM_028053	transmembrane protein 38B (Tmem38b), mRNA.	Mme-M200005453	ILMN_2795791	0	0
67846	Tmem39a	0.219	0.072	-0.084	0	0	0	0	0	0	NM_026407	transmembrane protein 39a (Tmem39a), mRNA.	Mme-M300000340	ILMN_2596970	0	0
94346	Tmem40	-0.178	0.009	0.097	0	0	0	0	0	0	NM_144805	transmembrane protein 40 (Tmem40), mRNA.	Mme-M200006628	ILMN_2756632	0	0
66664	Tmem41a	-0.062	-0.060	-0.025	0	0	0	0	0	0	NM_025693	transmembrane protein 41a (Tmem41a), mRNA.	Mme-M300003557	ILMN_1244836	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
233724	Tmem41b	0.240	-0.219	0.113	0	0	0	0	0	0	NM_153525	transmembrane protein 41B (Tmem41b), mRNA.	Mme-M400012197	ILMN_2738090	0	0
66079	Tmem42	0.337	-0.262	0.031	0	0	0	0	0	0	NM_025339	transmembrane protein 42 (Tmem42), mRNA.	Mme-M400011473	ILMN_2604467	0	0
74122	Tmem43	0.106	0.155	0.060	0	0	0	0	0	0	NM_028766	transmembrane protein 43 (Tmem43), mRNA.	Mme-M200008116	ILMN_2700505	0	0
224090	Tmem44	0.244	0.051	-0.096	0	0	0	0	0	0	NM_172614	transmembrane protein 44 (Tmem44), mRNA.	Mme-M300003354	ILMN_2661495	0	0
56277	Tmem45a	0.323	0.196	-0.067	0	0	0	0	0	0	NM_019631	transmembrane protein 45a (Tmem45a), mRNA.	Mme-M200002078	ILMN_2982663	0	0
69457	Tmem45a2	-0.081	-0.169	-0.024	0	0	0	0	0	0	NM_183281	RIKEN cDNA 2310005G13 gene (2310005G13Rik), mRNA.	Mme-M300017625	ILMN_1257831	0	0
235135	Tmem45b	-0.122	0.053	-0.136	0	0	0	0	0	0	NM_144936	transmembrane protein 45b (Tmem45b), mRNA.	Mme-M200007121	ILMN_2661366	0	0
192216	Tmem47	0.028	-0.050	0.127	0	0	0	0	0	0	NM_175771	transmembrane protein 47 (Tmem47), mRNA.	Mme-M400012330	ILMN_3124787	0	0
216395	Tmem5	-0.047	-0.183	0.051	0	0	0	0	0	0	NM_153059	transmembrane protein 5 (Tmem5), mRNA.	Mme-M200000073	ILMN_2901227	0	0
71817	Tmem50a	0.160	-0.128	-0.211	0	0	0	0	0	0	NM_027935	transmembrane protein 50A (Tmem50a), mRNA.	Mme-M200015926	ILMN_2819679	0	0
77975	Tmem50b	-0.113	-0.119	0.051	0	0	0	0	0	0	NM_030018	transmembrane protein 50B (Tmem50b), mRNA.	Mme-M400000627	ILMN_2619110	0	0
214359	Tmem51	0.014	0.160	0.031	0	0	0	0	0	0	NM_145402	transmembrane protein 51 (Tmem51), mRNA.	Mme-M200005616	ILMN_2589741	0	0
330428	Tmem52b	-0.316	-0.022	-0.028	0	0	0	0	0	0	NM_001081186	RIKEN cDNA D630042F21 gene (D630042F21Rik), mRNA.	Mme-M300007041	ILMN_3118298	0	0
68777	Tmem53	-0.134	-0.149	-0.145	0	0	0	0	0	0	NM_026837	transmembrane protein 53 (Tmem53), mRNA.	Mme-M300019549	ILMN_2656884	0	0
66260	Tmem54	0.130	-0.240	0.021	0	0	0	0	0	0	NM_025452	transmembrane protein 54 (Tmem54), mRNA.	Mme-M300006292	ILMN_2919393	0	0
72519	Tmem55a	0.038	0.230	0.108	0	0	0	0	0	0	NM_028264	transmembrane protein 55A (Tmem55a), mRNA.	Mme-M200016461	ILMN_2695468	0	0
219024	Tmem55b	-0.014	-0.079	0.066	0	0	0	0	0	0	NM_001033271	transmembrane protein 55b (Tmem55b), mRNA.	Mme-M400001863	ILMN_1216624	0	0
99887	Tmem56	-0.225	-0.150	-0.015	0	0	0	0	0	0	NM_178936	transmembrane protein 56 (Tmem56), mRNA.	Mme-M200012889	ILMN_2966162	0	0
66146	Tmem57	0.097	-0.106	-0.017	0	0	0	0	0	0	NM_025382	transmembrane protein 57 (Tmem57), mRNA.	Mme-M200003493	ILMN_2657921	0	0
56374	Tmem59	0.139	-0.028	0.087	0	0	0	0	0	0	NM_029565	transmembrane protein 59 (Tmem59), mRNA.	Mme-M300006194	ILMN_1236917	0	0
67937	Tmem59l	0.043	0.245	-0.158	0	0	0	0	0	0	NM_182991	transmembrane protein 59-like (Tmem59l), mRNA.	Mme-M200004551	ILMN_2698911	0	0
212090	Tmem60	0.078	0.084	0.126	0	0	0	0	0	0	NM_177601	transmembrane protein 60 (Tmem60), mRNA.	Mme-M300016393	ILMN_2813390	0	0
96957	Tmem62	-0.045	0.154	-0.015	0	0	0	0	0	0	NM_175285	transmembrane protein 62 (Tmem62), mRNA.	Mme-M400004826	ILMN_2633670	0	0
208795	Tmem63a	-0.264	-0.083	0.157	0	0	0	0	0	0	NM_144794	transmembrane protein 63a (Tmem63a), mRNA.	Mme-M400000938	ILMN_2769945	0	0
224807	Tmem63b	-0.175	0.121	0.186	0	0	0	0	0	0	NM_198167	transmembrane protein 63b (Tmem63b), mRNA.	Mme-M300010208	ILMN_1220629	0	0
217733	Tmem63c	-0.103	-0.018	-0.089	0	0	0	0	0	0	NM_172583	transmembrane protein 63c (Tmem63c), mRNA.	Mme-M300009168	ILMN_1233991	0	0
74868	Tmem65	0.049	-0.254	0.104	0	0	0	0	0	0	NM_175212	transmembrane protein 65 (Tmem65), mRNA.	Mme-M400007808	ILMN_2554688	0	0
329795	Tmem67	0.329	0.071	0.051	0	0	0	0	0	0	NM_177861	transmembrane protein 67 (Tmem67), mRNA.	Mme-M300020237	ILMN_2728173	0	0
72098	Tmem68	0.105	-0.177	0.097	0	0	0	0	0	0	NM_028097	transmembrane protein 68 (Tmem68), mRNA.	Mme-M300006002	ILMN_2602257	0	0
230657	Tmem69	0.159	-0.066	0.050	0	0	0	0	0	0	NM_177670	transmembrane protein 69 (Tmem69), mRNA.	Mme-M400005339	ILMN_2603124	0	0
70397	Tmem70	0.013	0.028	-0.022	0	0	0	0	0	0	NM_027415	transmembrane protein 70 (Tmem70), transcript variant 1, mRNA.	Mme-M300004855	ILMN_3153614	0	0
213068	Tmem71	-0.073	0.030	-0.003	0	0	0	0	0	0	NM_172514	transmembrane protein 71 (Tmem71), mRNA.	Mme-M300010653	ILMN_2631610	0	0
319776	Tmem72	-0.316	-0.021	-0.044	0	0	0	0	0	0	NM_178768	RIKEN cDNA C230095G01 gene (C230095G01Rik), mRNA.	Mme-M300018930	ILMN_2991960	0	0
239408	Tmem74	-0.166	-0.173	-0.044	0	0	0	0	0	0	NM_175502	transmembrane protein 74 (Tmem74), mRNA.	Mme-M400004799	ILMN_2739998	0	0
108832	Tmem74b	0.122	-0.189	-0.105	0	0	0	0	0	0	XM_130642	PREDICTED: RIKEN cDNA 5430405G05 gene (5430405G05Rik), mRNA.	Mme-M300015387	ILMN_2584574	0	0
71913	Tmem79	-0.064	-0.179	0.035	0	0	0	0	0	0	NM_024246	transmembrane protein 79 (Tmem79), mRNA.	Mme-M300000191	ILMN_1231048	0	0
60455	Tmem8	-0.103	0.136	-0.081	0	0	0	0	0	0	NM_021793	transmembrane protein 8 (five membrane-spanning domains) (Tmem8), mRNA.	Mme-M200009495	ILMN_1242391	0	0
74626	Tmem81	0.079	-0.206	0.036	0	0	0	0	0	0	NM_029025	transmembrane protein 81 (Tmem81), mRNA.	Mme-M200007619	ILMN_2865473	0	0
213989	Tmem82	0.075	-0.270	0.071	0	0	0	0	0	0	NM_145987	transmembrane protein 82 (Tmem82), mRNA.	Mme-M300014171	ILMN_2666312	0	0
67893	Tmem86a	0.144	-0.308	-0.032	0	0	0	0	0	0	NM_026436	transmembrane protein 86A (Tmem86a), mRNA.	Mme-M200005513	ILMN_2645662	0	0
68255	Tmem86b	-0.382	0.204	-0.013	0	0	0	0	0	0	NM_023440	transmembrane protein 86B (Tmem86b), mRNA.	Mme-M300016251	ILMN_3162202	0	0
72477	Tmem87b	-0.181	-0.230	0.086	0	0	0	0	0	0	NM_028248	transmembrane protein 87B (Tmem87b), mRNA.	Mme-M200009255	ILMN_1235007	0	0
67020	Tmem88	0.055	-0.022	-0.067	0	0	0	0	0	0	NM_025915	transmembrane protein 88 (Tmem88), mRNA.	Mme-M200013611	ILMN_2822321	0	0
320587	Tmem88b	-0.005	0.064	0.048	0	0	0	0	0	0	NM_001033394	RIKEN cDNA A230069A22 gene (A230069A22Rik), mRNA.	Mme-M400017956	ILMN_2832282	0	0
69384	Tmem89	-0.327	-0.046	-0.072	0	0	0	0	0	0	XM_982264	PREDICTED: transmembrane protein 89 (Tmem89), mRNA.	Mme-M200010079	ILMN_2716043	0	0
242409	Tmem8b	-0.259	0.167	-0.029	0	0	0	0	0	0	NM_001085508	RIKEN cDNA 4930500O05 gene (4930500O05Rik), mRNA.	Mme-M300010099	ILMN_1234712	0	0
66139	Tmem8c	-0.312	-0.106	-0.067	0	0	0	0	0	0	NM_025376	RIKEN cDNA 1110002H13 gene (1110002H13Rik), mRNA.	Mme-M200009304	ILMN_2641700	0	0
66241	Tmem9	0.027	0.240	-0.008	0	0	0	0	0	0	NM_025439	transmembrane protein 9 (Tmem9), mRNA.	Mme-M400000923	ILMN_1235494	0	0
320208	Tmem91	-0.290	0.698	-0.051	0	1	0	0	1	0	NM_177102	transmembrane protein 91 (Tmem91), mRNA.	Mme-M300018487	ILMN_2739111	1	0
69071	Tmem97	0.160	0.137	0.136	0	0	0	0	0	0	NM_133706	transmembrane protein 97 (Tmem97), mRNA.	Mme-M200006482	ILMN_2656871	0	0
103743	Tmem98	-0.032	0.092	-0.072	0	0	0	0	0	0	NM_029537	transmembrane protein 98 (Tmem98), mRNA.	Mme-M200005655	ILMN_2827646	0	0
56786	Tmem9b	0.134	0.100	-0.149	0	0	0	0	0	0	NM_020050	TMEM9 domain family, member B (Tmem9b), mRNA.	Mme-M200007788	ILMN_2914884	0	0
232286	Tmf1	0.051	-0.020	0.008	0	0	0	0	0	0	NM_001081111	TATA element modulatory factor 1 (Tmf1), mRNA.	Mme-M400001213	ILMN_1256951	0	0
20776	Tmie	0.291	-0.364	0.131	0	0	0	0	0	0	NM_146260	transmembrane inner ear (Tmie), mRNA.	Mme-M300020295	ILMN_1218037	0	0
66601	Tmigd1	0.094	-0.107	0.122	0	0	0	0	0	0	NM_025655	transmembrane and immunoglobulin domain containing 1 (Tmigd1), mRNA.	Mme-M200005054	ILMN_1220817	0	0
192289	Tmlhe	0.127	-0.040	-0.016	0	0	0	0	0	0	NM_138758	trimethyllysine hydroxylase, epsilon (Tmlhe), mRNA.	Mme-M400003942	ILMN_2513145	0	0
21916	Tmod1	0.011	-0.032	0.076	0	0	0	0	0	0	NM_021883	tropomodulin 1 (Tmod1), mRNA.	Mme-M200009271	ILMN_2977404	0	0
50876	Tmod2	0.019	-0.031	0.054	0	0	0	0	0	0	NM_016711	tropomodulin 2 (Tmod2), transcript variant 2, mRNA.	Mme-M200014057	ILMN_3114546	0	0
50875	Tmod3	0.251	-0.111	0.183	0	0	0	0	0	0	NM_016963	tropomodulin 3 (Tmod3), mRNA.	Mme-M400006399	ILMN_2479359	0	0
50874	Tmod4	0.944	0.340	-0.231	1	0	0	1	0	0	NM_016712	tropomodulin 4 (Tmod4), mRNA.	Mme-M300000704	ILMN_2519313	1	0
21917	Tmpo	-0.360	-0.249	0.020	0	0	0	0	0	0	NM_011605	thymopoietin (Tmpo), transcript variant 1, mRNA.	Mme-M200000040	ILMN_3094743	0	0
194597	Tmprss11a	-0.259	-0.008	0.046	0	0	0	0	0	0	NM_001033233	transmembrane protease, serine 11a (Tmprss11a), mRNA.	Mme-M400005819	ILMN_2890069	0	0
319875	Tmprss11bnl	-0.257	-0.062	-0.005	0	0	0	0	0	0	NM_177024	transmembrane protease, serine 11b (Tmprss11b), mRNA.	Mme-M300010120	ILMN_2882189	0	0
435845	Tmprss11c	0.077	0.031	0.067	0	0	0	0	0	0	NM_001030297	transmembrane protease, serine 11c (Tmprss11c), mRNA.	Mme-M400010374	ILMN_3160678	0	0
231382	Tmprss11d	0.164	-0.028	0.040	0	0	0	0	0	0	NM_145561	transmembrane protease, serine 11d (Tmprss11d), mRNA.	Mme-M200014345	ILMN_1248712	0	0
243084	Tmprss11e	-0.189	0.025	-0.094	0	0	0	0	0	0	NM_172880	transmembrane protease, serine 11e (Tmprss11e), mRNA.	Mme-M300021472	ILMN_2597245	0	0
243083	Tmprss11f	-0.312	-0.075	-0.016	0	0	0	0	0	0	NM_178730	transmembrane protease, serine 11f (Tmprss11f), mRNA.	Mme-M300019537	ILMN_2759828	0	0
320454	Tmprss11g	-0.268	0.033	0.027	0	0	0	0	0	0	NM_177162	RIKEN cDNA 9930032O22 gene (9930032O22Rik), mRNA.	Mme-M300016974	ILMN_1259406	0	0
214531	Tmprss13	0.126	-0.196	0.044	0	0	0	0	0	0	NM_001013373	transmembrane protease, serine 13 (Tmprss13), mRNA.	Mme-M200015750	ILMN_2911788	0	0
19146	Tmprss15	0.069	-0.039	-0.069	0	0	0	0	0	0	NM_178855	protease, serine, 7 (enterokinase) (Prss7), transcript variant 2, mRNA.	Mme-M200002202	ILMN_3140758	0	0
50528	Tmprss2	0.118	-0.327	-0.261	0	0	0	0	0	0	NM_015775	transmembrane protease, serine 2 (Tmprss2), mRNA.	Mme-M200005186	ILMN_1223880	0	0
140765	Tmprss3	-0.184	0.084	0.042	0	0	0	0	0	0	NM_080727	transmembrane protease, serine 3 (Tmprss3), mRNA.	Mme-M300003869	ILMN_1243162	0	0
214523	Tmprss4	0.020	0.090	-0.116	0	0	0	0	0	0	NM_145403	transmembrane protease, serine 4 (Tmprss4), mRNA.	Mme-M200007616	ILMN_2428061	0	0
80893	Tmprss5	-0.304	0.106	0.109	0	0	0	0	0	0	NM_030709	transmembrane protease, serine 5 (spinesin) (Tmprss5), mRNA.	Mme-M400001447	ILMN_2445483	0	0
71753	Tmprss6	0.011	-0.114	0.040	0	0	0	0	0	0	NM_027902	transmembrane serine protease 6 (Tmprss6), mRNA.	Mme-M200007476	ILMN_1227763	0	0
208171	Tmprss7	-0.114	-0.227	-0.115	0	0	0	0	0	0	NM_172455	transmembrane serine protease 7 (Tmprss7), mRNA.	Mme-M300008625	ILMN_1229433	0	0
432478	Tmprss9	-0.126	-0.024	-0.196	0	0	0	0	0	0	NM_001081688	transmembrane protease, serine 9 (Tmprss9), mRNA.	Mme-M400006791	ILMN_3142104	0	0
19240	Tmsb10	0.251	0.259	-0.136	0	0	0	0	0	0	NM_025284	thymosin, beta 10 (Tmsb10), mRNA.	Mme-M400003674	ILMN_3145331	0	0
78478	Tmsb15a	-0.249	0.047	0.039	0	0	0	0	0	0	NM_030106	RIKEN cDNA 1700129I15 gene (1700129I15Rik), mRNA.	Mme-M200011456	ILMN_2429783	0	0
19241	Tmsb4x	0.038	0.067	0.188	0	0	0	0	0	0	NM_021278	thymosin, beta 4, X chromosome (Tmsb4x), mRNA.	Mme-M200009414	ILMN_2806159	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
387314	Tmtc1	-0.317	-0.068	-0.045	0	0	0	0	0	0	NM_198967	transmembrane and tetratricopeptide repeat containing 1 (Tmtc1), mRNA.	Mme-M300007125	ILMN_2629737	0	0
278279	Tmtc2	-0.279	-0.076	-0.095	0	0	0	0	0	0	NM_177368	transmembrane and tetratricopeptide repeat containing 2 (Tmtc2), mRNA.	Mme-M300010205	ILMN_2541844	0	0
237500	Tmtc3	0.073	0.092	-0.018	0	0	0	0	0	0	NM_001110013	transmembrane and tetratricopeptide repeat containing 3 (Tmtc3), transcript variant 1, mRNA.	Mme-M400013641	ILMN_2606345	0	0
70551	Tmtc4	-0.206	-0.088	0.081	0	0	0	0	0	0	NM_028651	transmembrane and tetratricopeptide repeat containing 4 (Tmtc4), mRNA.	Mme-M300013239	ILMN_2897110	0	0
64295	Tmub1	0.138	0.109	-0.123	0	0	0	0	0	0	NM_022418	transmembrane and ubiquitin-like domain containing 1 (Tmub1), mRNA.	Mme-M200014209	ILMN_2730829	0	0
72053	Tmub2	0.184	0.041	-0.114	0	0	0	0	0	0	NM_028076	transmembrane and ubiquitin-like domain containing 2 (Tmub2), mRNA.	Mme-M200008436	ILMN_2616612	0	0
72736	Tmx1	0.487	0.079	0.068	0	0	0	0	0	0	NM_028339	thioredoxin domain containing 1 (Txndc1), mRNA.	Mme-M200013046	ILMN_1232489	0	0
66958	Tmx2	0.150	0.182	0.095	0	0	0	0	0	0	NM_025868	thioredoxin domain containing 14 (Txndc14), mRNA.	Mme-M400003639	ILMN_2598532	0	0
67988	Tmx3	-0.117	0.091	0.083	0	0	0	0	0	0	NM_198295	thioredoxin domain containing 10 (Txndc10), mRNA.	Mme-M300004240	ILMN_2624977	0	0
52837	Tmx4	0.055	0.061	-0.013	0	0	0	0	0	0	NM_029148	thioredoxin domain containing 13 (Txndc13), mRNA.	Mme-M200009888	ILMN_1232084	0	0
21923	Tnc	-0.081	0.671	0.099	0	1	0	0	1	0	NM_011607	tenascin C (Tnc), mRNA.	Mme-M400001084	ILMN_1236724	1	0
21926	Tnf	-0.025	0.608	0.208	0	1	0	0	1	0	NM_013693	tumor necrosis factor (Tnf), mRNA.	Mme-M200000495	ILMN_2899863	1	0
21927	Tnfaip1	0.164	-0.119	-0.171	0	0	0	0	0	0	NM_009395	tumor necrosis factor, alpha-induced protein 1 (endothelial) (Tnfaip1), mRNA.	Mme-M200002924	ILMN_2429800	0	0
21928	Tnfaip2	0.196	1.124	0.282	0	1	0	0	1	0	NM_009396	tumor necrosis factor, alpha-induced protein 2 (Tnfaip2), mRNA.	Mme-M200001695	ILMN_2841289	1	0
21929	Tnfaip3	-0.291	0.266	0.282	0	0	0	0	0	0	NM_009397	tumor necrosis factor, alpha-induced protein 3 (Tnfaip3), mRNA.	Mme-M200014875	ILMN_1252202	0	0
21930	Tnfaip6	0.020	0.088	-0.031	0	0	0	0	0	0	NM_009398	tumor necrosis factor alpha induced protein 6 (Tnfaip6), mRNA.	Mme-M400004482	ILMN_2512023	0	0
106869	Tnfaip8	0.156	0.362	0.300	0	0	0	0	0	0	NM_134131	tumor necrosis factor, alpha-induced protein 8 (Tnfaip8), mRNA.	Mme-M400007732	ILMN_2511953	0	0
66443	Tnfaip8l1	0.268	-0.147	0.202	0	0	0	0	0	0	NM_025566	tumor necrosis factor, alpha-induced protein 8-like 1 (Tnfaip8l1), mRNA.	Mme-M200000873	ILMN_2780550	0	0
69769	Tnfaip8l2	0.077	0.458	0.108	0	1	0	0	0	0	NM_027206	tumor necrosis factor, alpha-induced protein 8-like 2 (Tnfaip8l2), mRNA.	Mme-M200007553	ILMN_2878979	0	0
244882	Tnfaip8l3	0.080	0.076	-0.040	0	0	0	0	0	0	NM_001033535	tumor necrosis factor, alpha-induced protein 8-like 3 (Tnfaip8l3), mRNA.	Mme-M300008162	ILMN_1245195	0	0
21933	Tnfrsf10b	-0.162	-0.257	-0.107	0	0	0	0	0	0	NM_020275	tumor necrosis factor receptor superfamily, member 10b (Tnfrsf10b), mRNA.	Mme-M200008625	ILMN_2455181	0	0
21934	Tnfrsf11a	-0.035	-0.270	0.086	0	0	0	0	0	0	NM_009399	tumor necrosis factor receptor superfamily, member 11a (Tnfrsf11a), mRNA.	Mme-M200002329	ILMN_2482600	0	0
18383	Tnfrsf11b	0.088	-0.205	0.131	0	0	0	0	0	0	NM_008764	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin) (Tnfrsf11b), mRNA.	Mme-M200003371	ILMN_2513826	0	0
27279	Tnfrsf12a	0.134	0.207	-0.093	0	0	0	0	0	0	NM_013749	tumor necrosis factor receptor superfamily, member 12a (Tnfrsf12a), mRNA.	Mme-M200006044	ILMN_2424299	0	0
57916	Tnfrsf13b	-0.286	0.084	0.007	0	0	0	0	0	0	NM_021349	tumor necrosis factor receptor superfamily, member 13b (Tnfrsf13b), mRNA.	Mme-M400011384	ILMN_2480814	0	0
72049	Tnfrsf13c	-0.176	0.065	0.038	0	0	0	0	0	0	NM_028075	tumor necrosis factor receptor superfamily, member 13c (Tnfrsf13c), mRNA.	Mme-M400011626	ILMN_2481170	0	0
230979	Tnfrsf14	0.282	0.291	0.089	0	0	0	0	0	0	NM_178931	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) (Tnfrsf14), mRNA.	Mme-M400002612	ILMN_2426949	0	0
21935	Tnfrsf17	-0.139	-0.032	-0.111	0	0	0	0	0	0	NM_011608	tumor necrosis factor receptor superfamily, member 17 (Tnfrsf17), mRNA.	Mme-M200003198	ILMN_2854497	0	0
21936	Tnfrsf18	0.051	0.657	0.241	0	1	0	0	1	0	NM_009400	tumor necrosis factor receptor superfamily, member 18 (Tnfrsf18), transcript variant 1, mRNA.	Mme-M300013439	ILMN_2419494	1	0
29820	Tnfrsf19	0.338	0.179	0.052	0	0	0	0	0	0	NM_013869	tumor necrosis factor receptor superfamily, member 19 (Tnfrsf19), mRNA.	Mme-M200004150	ILMN_2450817	0	0
21937	Tnfrsf1a	0.111	0.138	0.140	0	0	0	0	0	0	NM_011609	tumor necrosis factor receptor superfamily, member 1a (Tnfrsf1a), mRNA.	Mme-M200000469	ILMN_2469329	0	0
21938	Tnfrsf1b	-0.108	0.313	0.092	0	0	0	0	0	0	NM_011610	tumor necrosis factor receptor superfamily, member 1b (Tnfrsf1b), mRNA.	Mme-M200001018	ILMN_2485839	0	0
94185	Tnfrsf21	-0.229	0.130	-0.086	0	0	0	0	0	0	NM_178589	tumor necrosis factor receptor superfamily, member 21 (Tnfrsf21), mRNA.	Mme-M200012951	ILMN_2464573	0	0
79202	Tnfrsf22	-0.491	-0.110	-0.070	0	0	0	0	0	0	NM_023680	tumor necrosis factor receptor superfamily, member 22 (Tnfrsf22), mRNA.	Mme-M200009896	ILMN_2467549	0	0
79201	Tnfrsf23	-0.216	0.033	-0.048	0	0	0	0	0	0	NM_024290	tumor necrosis factor receptor superfamily, member 23 (Tnfrsf23), mRNA.	Mme-M200009953	ILMN_1221454	0	0
85030	Tnfrsf25	-0.222	0.232	0.102	0	0	0	0	0	0	NM_033042	tumor necrosis factor receptor superfamily, member 25 (Tnfrsf25), mRNA.	Mme-M200008433	ILMN_2510383	0	0
244237	Tnfrsf26	0.006	-0.039	0.164	0	0	0	0	0	0	NM_175649	tumor necrosis factor receptor superfamily, member 26 (Tnfrsf26), mRNA.	Mme-M300016323	ILMN_2479124	0	0
22163	Tnfrsf4	0.275	0.123	0.057	0	0	0	0	0	0	NM_011659	tumor necrosis factor receptor superfamily, member 4 (Tnfrsf4), mRNA.	Mme-M400011158	ILMN_2446559	0	0
21941	Tnfrsf8	-0.058	0.066	-0.068	0	0	0	0	0	0	NM_009401	tumor necrosis factor receptor superfamily, member 8 (Tnfrsf8), mRNA.	Mme-M200003130	ILMN_2514689	0	0
21942	Tnfrsf9	0.128	0.243	-0.031	0	0	0	0	0	0	NM_001077508	tumor necrosis factor receptor superfamily, member 9 (Tnfrsf9), transcript variant 2, mRNA.	Mme-M200012855	ILMN_3103746	0	0
22035	Tnfsf10	0.435	0.186	0.187	0	0	0	0	0	0	NM_009425	tumor necrosis factor (ligand) superfamily, member 10 (Tnfsf10), mRNA.	Mme-M200000389	ILMN_2487554	0	0
21943	Tnfsf11	0.223	-0.047	0.125	0	0	0	0	0	0	NM_011613	tumor necrosis factor (ligand) superfamily, member 11 (Tnfsf11), mRNA.	Mme-M200002361	ILMN_2505780	0	0
21944	Tnfsf12	-0.083	0.063	-0.070	0	0	0	0	0	0	NM_011614	tumor necrosis factor (ligand) superfamily, member 12 (Tnfsf12), mRNA.	Mme-M300000647	ILMN_2522794	0	0
69583	Tnfsf13	0.208	-0.285	0.143	0	0	0	0	0	0	NM_023517	tumor necrosis factor (ligand) superfamily, member 13 (Tnfsf13), mRNA.	Mme-M300001724	ILMN_2492170	0	0
24099	Tnfsf13b	0.228	0.464	0.172	0	1	0	0	0	0	NM_033622	tumor necrosis factor (ligand) superfamily, member 13b (Tnfsf13b), mRNA.	Mme-M400001376	ILMN_1226099	0	0
50930	Tnfsf14	-0.153	0.166	0.149	0	0	0	0	0	0	NM_019418	tumor necrosis factor (ligand) superfamily, member 14 (Tnfsf14), mRNA.	Mme-M200008545	ILMN_2851576	0	0
326623	Tnfsf15	0.084	-0.048	0.007	0	0	0	0	0	0	NM_177371	tumor necrosis factor (ligand) superfamily, member 15 (Tnfsf15), mRNA.	Mme-M400003681	ILMN_1226506	0	0
240873	Tnfsf18	-0.027	-0.037	0.008	0	0	0	0	0	0	NM_183391	tumor necrosis factor (ligand) superfamily, member 18 (Tnfsf18), mRNA.	Mme-M400012558	ILMN_2482910	0	0
22164	Tnfsf4	-0.311	0.021	-0.046	0	0	0	0	0	0	NM_009452	tumor necrosis factor (ligand) superfamily, member 4 (Tnfsf4), mRNA.	Mme-M200002080	ILMN_2460662	0	0
21949	Tnfsf8	-0.370	-0.081	-0.056	0	0	0	0	0	0	NM_009403	tumor necrosis factor (ligand) superfamily, member 8 (Tnfsf8), mRNA.	Mme-M200001875	ILMN_2435486	0	0
21950	Tnfsf9	-0.096	0.130	-0.004	0	0	0	0	0	0	NM_009404	tumor necrosis factor (ligand) superfamily, member 9 (Tnfsf9), mRNA.	Mme-M200013515	ILMN_2449157	0	0
665113	Tnik	0.096	0.134	0.360	0	0	1	0	0	0	XM_001473621	PREDICTED: TRAF2 and NCK interacting kinase, transcript variant 2 (Tnik), mRNA.	Mme-M400016464	ILMN_2470251	0	0
57783	Tnip1	0.123	0.168	-0.185	0	0	0	0	0	0	NM_021327	TNFAIP3 interacting protein 1 (Tnip1), mRNA.	Mme-M200004999	ILMN_1228123	0	0
231130	Tnip2	0.263	0.216	0.012	0	0	0	0	0	0	NM_139064	TNFAIP3 interacting protein 2 (Tnip2), mRNA.	Mme-M200006091	ILMN_2874491	0	0
414084	Tnip3	-0.080	0.084	-0.044	0	0	0	0	0	0	NM_001001495	TNFAIP3 interacting protein 3 (Tnip3), mRNA.	Mme-M400002860	ILMN_2567682	0	0
83813	Tnk1	-0.061	-0.155	-0.249	0	0	0	0	0	0	NM_031880	tyrosine kinase, non-receptor, 1 (Tnk1), mRNA.	Mme-M200006206	ILMN_2518197	0	0
51789	Tnk2	-0.085	0.235	0.055	0	0	0	0	0	0	NM_001110147	tyrosine kinase, non-receptor, 2 (Tnk2), transcript variant 2, mRNA.	Mme-M400000608	ILMN_2449019	0	0
21951	Tnks	-0.247	-0.332	0.113	0	0	0	0	0	0	NM_175091	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase (Tnks), mRNA.	Mme-M400001381	ILMN_1250052	0	0
228140	Tnks1bp1	-0.108	0.035	0.007	0	0	0	0	0	0	NM_001081260	tankyrase 1 binding protein 1 (Tnks1bp1), mRNA.	Mme-M300009050	ILMN_1257163	0	0
74493	Tnks2	0.122	-0.047	-0.121	0	0	0	0	0	0	XM_917270	PREDICTED: tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2, transcript variant 8 (Tnks2), n	Mme-M400000782	ILMN_1221470	0	0
64103	Tnmd	0.232	-0.006	-0.023	0	0	0	0	0	0	NM_022322	tenomodulin (Tnmd), mRNA.	Mme-M200014439	ILMN_1243429	0	0
329278	Tnn	0.905	0.645	-0.376	1	1	-1	1	1	0	NM_177839	tenascin N (Tnn), mRNA.	Mme-M300005254	ILMN_2896200	2	0
21924	Tnnc1	0.375	0.366	0.012	0	0	0	0	0	0	NM_009393	troponin C, cardiac/slow skeletal (Tnnc1), mRNA.	Mme-M400000521	ILMN_2503052	0	0
21925	Tnnc2	2.706	-0.011	-1.003	1	0	-1	1	0	-1	NM_009394	troponin C2, fast (Tnnc2), mRNA.	Mme-M400000269	ILMN_2882658	1	1
21952	Tnni1	0.858	0.096	-0.045	1	0	0	0	0	0	NM_001112702	troponin I, skeletal, slow 1 (Tnni1), transcript variant 2, mRNA.	Mme-M300005095	ILMN_2977056	0	0
21953	Tnni2	1.639	-0.036	-0.963	1	0	-1	1	0	-1	NM_009405	troponin I, skeletal, fast 2 (Tnni2), mRNA.	Mme-M200008191	ILMN_2481133	1	1
21954	Tnni3	0.058	0.071	0.064	0	0	0	0	0	0	NM_009406	troponin I, cardiac (Tnni3), mRNA.	Mme-M400001811	ILMN_3163526	0	0
21955	Tnnt1	0.687	0.006	-0.098	1	0	0	0	0	0	NM_011618	troponin T1, skeletal, slow (Tnnt1), mRNA.	Mme-M200000253	ILMN_2460136	0	0
21957	Tnnt3	3.222	0.198	-0.693	1	0	-1	1	0	-1	NM_011620	troponin T3, skeletal, fast (Tnnt3), mRNA.	Mme-M300001729	ILMN_2469018	1	1
21958	Tnp1	-0.027	0.098	-0.100	0	0	0	0	0	0	NM_009407	transition protein 1 (Tnp1), mRNA.	Mme-M200000232	ILMN_1236328	0	0
21959	Tnp2	-0.080	-0.105	0.020	0	0	0	0	0	0	NM_013694	transition protein 2 (Tnp2), mRNA.	Mme-M200013130	ILMN_1224330	0	0
238799	Tnpo1	-0.068	-0.029	-0.044	0	0	0	0	0	0	NM_001048267	transportin 1 (Tnpo1), transcript variant 2, mRNA.	Mme-M300001045	ILMN_2459550	0	0
212999	Tnpo2	-0.114	0.038	-0.156	0	0	0	0	0	0	NM_145390	transportin 2 (importin 3, karyopherin beta 2b) (Tnpo2), transcript variant 1, mRNA.	Mme-M200013080	ILMN_2464553	0	0
320938	Tnpo3	0.028	-0.163	0.151	0	0	0	0	0	0	NM_177296	transportin 3 (Tnpo3), mRNA.	Mme-M300001185	ILMN_2447042	0	0
21960	Tnr	0.023	0.002	-0.048	0	0	0	0	0	0	NM_022312	tenascin R (Tnr), mRNA.	Mme-M300001456	ILMN_1252176	0	0
231861	Tnrc18	-0.044	0.053	0.145	0	0	0	0	0	0	NM_178242	trinucleotide repeat containing 18 (Tnrc18), transcript variant B, mRNA.	Mme-M300021101	ILMN_3003152	0	0
233833	Tnrc6a	0.326	-0.253	-0.333	0	0	-1	0	0	0	NM_144925	trinucleotide repeat containing 6a (Tnrc6a), mRNA.	Mme-M400012909	ILMN_2423249	0	0
213988	Tnrc6b	-0.139	-0.042	0.056	0	0	0	0	0	0	NM_177124	trinucleotide repeat containing 6b (Tnrc6b), transcript variant 2, mRNA.	Mme-M200004519	ILMN_3109164	0	0
217351	Tnrc6c	0.190	-0.262	0.129	0	0	0	0	0	0	NM_198022	trinucleotide repeat containing 6C (Tnrc6c), mRNA.	Mme-M200008262	ILMN_2561029	0	0
21961	Tns1	0.289	-0.479	-0.118	0	-1	0	0	0	0	XM_984786	PREDICTED: tensin 1 (Tns1), mRNA.	Mme-M300012081	ILMN_1229315	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
209039	Tns2	0.063	0.093	0.048	0	0	0	0	0	0	NM_153533	tensin like C1 domain-containing phosphatase (Tenc1), mRNA.	Mme-M300010685	ILMN_2766408	0	0
319939	Tns3	0.104	0.097	0.007	0	0	0	0	0	0	NM_001083587	tensin 3 (Tns3), mRNA.	Mme-M400005236	ILMN_1247133	0	0
217169	Tns4	-0.088	0.031	0.059	0	0	0	0	0	0	NM_172564	tensin 4 (Tns4), mRNA.	Mme-M300001590	ILMN_1236029	0	0
81877	Tnxb	0.081	0.209	-0.129	0	0	0	0	0	0	NM_031176	tenascin XB (Tnxb), mRNA.	Mme-M300008719	ILMN_2973958	0	0
22057	Tob1	0.322	-0.252	-0.002	0	0	0	0	0	0	NM_009427	transducer of ErbB-2.1 (Tob1), mRNA.	Mme-M400002023	ILMN_1250011	0	0
57259	Tob2	0.406	0.082	0.100	0	0	0	0	0	0	NM_020507	transducer of ERBB2, 2 (Tob2), mRNA.	Mme-M400011365	ILMN_1228501	0	0
68276	Toe1	0.091	0.132	-0.126	0	0	0	0	0	0	NM_026654	target of EGR1, member 1 (nuclear) (Toe1), mRNA.	Mme-M300006230	ILMN_1217396	0	0
54473	Tollip	0.145	0.108	-0.093	0	0	0	0	0	0	NM_023764	toll interacting protein (Tollip), mRNA.	Mme-M200008540	ILMN_2789208	0	0
21968	Tom1	0.267	0.032	-0.091	0	0	0	0	0	0	NM_011622	target of myb1 homolog (chicken) (Tom1), mRNA.	Mme-M400002063	ILMN_2458710	0	0
71943	Tom1l1	-0.160	-0.051	-0.151	0	0	0	0	0	0	NM_028011	target of myb1-like 1 (chicken) (Tom1l1), mRNA.	Mme-M200004166	ILMN_1212639	0	0
216810	Tom1l2	-0.319	0.138	-0.095	0	0	0	0	0	0	NM_153080	target of myb1-like 2 (chicken) (Tom1l2), transcript variant 1, mRNA.	Mme-M400012183	ILMN_3152137	0	0
67952	Tomm20	0.225	-0.046	-0.108	0	0	0	0	0	0	NM_024214	translocase of outer mitochondrial membrane 20 homolog (yeast) (Tomm20), nuclear gene encoding mitochond	Mme-M400011456	ILMN_2527769	0	0
223696	Tomm22	0.247	-0.011	0.161	0	0	0	0	0	0	NM_172609	translocase of outer mitochondrial membrane 22 homolog (yeast) (Tomm22), nuclear gene encoding mitochond	Mme-M300003277	ILMN_2507182	0	0
67145	Tomm34	0.101	0.271	0.086	0	0	0	0	0	0	NM_025996	translocase of outer mitochondrial membrane 34 (Tomm34), nuclear gene encoding mitochondrial protein, mR	Mme-M200004585	ILMN_2441635	0	0
53333	Tomm40	0.075	-0.159	0.065	0	0	0	0	0	0	NM_016871	translocase of outer mitochondrial membrane 40 homolog (yeast) (Tomm40), nuclear gene encoding mitochond	Mme-M200003952	ILMN_1223361	0	0
641376	Tomm40l	0.065	0.156	0.106	0	0	0	0	0	0	NM_001037170	translocase of outer mitochondrial membrane 40 homolog-like (yeast) (Tomm40l), nuclear gene encoding mitoc	Mme-M300000706	ILMN_2481771	0	0
68512	Tomm5	0.047	0.133	-0.035	0	0	0	0	0	0	NM_001099675	RIKEN cDNA 1110019J04 gene (1110019J04Rik), mRNA.	Mme-M300016753	ILMN_1251853	0	0
66119	Tomm6	0.184	0.187	-0.039	0	0	0	0	0	0	NM_025365	prickle homolog 4 (Drosophila) (Prickle4), mRNA.	Mme-M400001561	ILMN_1236123	0	0
66169	Tomm7	0.185	0.114	0.076	0	0	0	0	0	0	NM_025394	translocase of outer mitochondrial membrane 7 homolog (yeast) (Tomm7), nuclear gene encoding mitochondria	Mme-M400001132	ILMN_2499944	0	0
28185	Tomm70a	0.150	-0.123	0.105	0	0	0	0	0	0	NM_138599	translocase of outer mitochondrial membrane 70 homolog A (yeast) (Tomm70a), nuclear gene encoding mitoch	Mme-M200004903	ILMN_1234112	0	0
791260	Tomt	-0.186	-0.148	0.136	0	0	0	0	0	0	NM_001081679	Riken cDNA F930017I19 gene (F930017I19Rik), mRNA.	Mme-M400003661	ILMN_2947105	0	0
72749	Tonsl	-0.333	0.063	-0.036	0	0	0	0	0	0	NM_183091	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2 (Nfkbil2), mRNA.	Mme-M200003759	ILMN_1231514	0	0
21969	Top1	0.271	-0.106	-0.042	0	0	0	0	0	0	NM_009408	topoisomerase (DNA) I (Top1), mRNA.	Mme-M200006590	ILMN_1232251	0	0
72960	Top1mt	-0.016	-0.096	-0.280	0	0	0	0	0	0	NM_028404	DNA topoisomerase 1, mitochondrial (Top1mt), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200012085	ILMN_2455637	0	0
21973	Top2a	0.463	0.415	0.192	0	0	0	0	0	0	NM_011623	topoisomerase (DNA) II alpha (Top2a), mRNA.	Mme-M200001651	ILMN_2830661	0	0
21974	Top2b	-0.104	-0.051	0.055	0	0	0	0	0	0	NM_009409	topoisomerase (DNA) II beta (Top2b), mRNA.	Mme-M200001589	ILMN_1243403	0	0
21975	Top3a	0.128	0.010	-0.001	0	0	0	0	0	0	NM_009410	topoisomerase (DNA) III alpha (Top3a), mRNA.	Mme-M200002973	ILMN_1249579	0	0
21976	Top3b	0.257	0.038	-0.224	0	0	0	0	0	0	NM_011624	topoisomerase (DNA) III beta (Top3b), mRNA.	Mme-M300003499	ILMN_2432458	0	0
235559	Topbp1	-0.004	-0.018	0.049	0	0	0	0	0	0	NM_176979	topoisomerase (DNA) II beta binding protein (Topbp1), mRNA.	Mme-M200000672	ILMN_1213963	0	0
106021	Topors	0.112	0.011	-0.027	0	0	0	0	0	0	NM_134097	topoisomerase I binding, arginine/serine-rich (Topors), mRNA.	Mme-M200008152	ILMN_2442075	0	0
68274	Toporsl	0.084	-0.093	-0.084	0	0	0	0	0	0	NM_026652	RIKEN cDNA 4930547C10 gene (4930547C10Rik), mRNA.	Mme-M200015683	ILMN_2806907	0	0
30931	Tor1a	0.048	-0.057	-0.155	0	0	0	0	0	0	NM_144884	torsin family 1, member A (torsin A) (Tor1a), mRNA.	Mme-M300005348	ILMN_2764205	0	0
208263	Tor1aip1	0.078	0.122	0.154	0	0	0	0	0	0	NM_144791	torsin A interacting protein 1 (Tor1aip1), mRNA.	Mme-M300005125	ILMN_2751215	0	0
240832	Tor1aip2	-0.150	-0.050	-0.054	0	0	0	0	0	0	NM_172843	torsin A interacting protein 2 (Tor1aip2), mRNA.	Mme-M400003703	ILMN_2754220	0	0
30934	Tor1b	0.225	0.002	0.126	0	0	0	0	0	0	NM_133673	torsin family 1, member B (Tor1b), mRNA.	Mme-M200013125	ILMN_1240146	0	0
30933	Tor2a	-0.070	-0.040	0.083	0	0	0	0	0	0	NM_152800	torsin family 2, member A (Tor2a), mRNA.	Mme-M200012932	ILMN_2519488	0	0
30935	Tor3a	0.187	0.311	0.208	0	0	0	0	0	0	NM_023141	torsin family 3, member A (Tor3a), mRNA.	Mme-M400007255	ILMN_2478101	0	0
227612	Tor4a	0.114	0.007	0.124	0	0	0	0	0	0	NM_146115	RIKEN cDNA A830007P12 gene (A830007P12Rik), mRNA.	Mme-M200016084	ILMN_1219067	0	0
252838	Tox	-0.097	0.181	0.009	0	0	0	0	0	0	NM_145711	thymocyte selection-associated high mobility group box (Tox), mRNA.	Mme-M300013102	ILMN_1257547	0	0
269389	Tox2	-0.214	0.053	0.022	0	0	0	0	0	0	NM_001098799	TOX high mobility group box family member 2 (Tox2), mRNA.	Mme-M400010267	ILMN_1225303	0	0
244579	Tox3	-0.217	-0.140	0.090	0	0	0	0	0	0	NM_172913	TOX high mobility group box family member 3 (Tox3), mRNA.	Mme-M300014733	ILMN_2434900	0	0
268741	Tox4	-0.026	0.152	0.136	0	0	0	0	0	0	NM_023434	TOX high mobility group box family member 4 (Tox4), mRNA.	Mme-M300001538	ILMN_1220569	0	0
21983	Tpbg	0.039	0.180	0.044	0	0	0	0	0	0	NM_011627	trophoblast glycoprotein (Tpbg), mRNA.	Mme-M300009824	ILMN_1250696	0	0
21984	Tpbpa	-0.183	0.069	0.067	0	0	0	0	0	0	NM_009411	trophoblast specific protein alpha (Tpbpa), mRNA.	Mme-M200000888	ILMN_2434359	0	0
116913	Tpbpb	-0.182	-0.032	0.058	0	0	0	0	0	0	NM_026429	trophoblast specific protein beta (Tpbpb), mRNA.	Mme-M400007949	ILMN_2867252	0	0
252972	Tpcn1	-0.025	-0.086	0.163	0	0	0	0	0	0	NM_145853	two pore channel 1 (Tpcn1), mRNA.	Mme-M200006003	ILMN_1217102	0	0
233979	Tpcn2	0.205	0.360	0.037	0	0	0	0	0	0	NM_146206	two pore segment channel 2 (Tpcn2), mRNA.	Mme-M300009917	ILMN_1236133	0	0
21985	Tpd52	-0.060	-0.143	0.134	0	0	0	0	0	0	NM_009412	tumor protein D52 (Tpd52), transcript variant 5, mRNA.	Mme-M300005669	ILMN_1253145	0	0
21987	Tpd52l1	0.119	0.045	0.079	0	0	0	0	0	0	NM_009413	tumor protein D52-like 1 (Tpd52l1), mRNA.	Mme-M200002598	ILMN_2434472	0	0
66314	Tpd52l2	0.068	-0.089	0.060	0	0	0	0	0	0	NM_025482	tumor protein D52-like 2 (Tpd52l2), mRNA.	Mme-M200005736	ILMN_1250767	0	0
110012	Tpgs1	-0.005	-0.135	-0.129	0	0	0	0	0	0	NM_148934	gene trap ROSA b-geo 22 (Gtrgeo22), mRNA.	Mme-M200004450	ILMN_2592095	0	0
21991	Tpi1	0.252	0.170	0.055	0	0	0	0	0	0	NM_009415	triosephosphate isomerase 1 (Tpi1), mRNA.	Mme-M200001646	ILMN_2932359	0	0
29807	Tpk1	-0.103	-0.135	0.130	0	0	0	0	0	0	NM_013861	thiamine pyrophosphokinase (Tpk1), mRNA.	Mme-M200015805	ILMN_2509644	0	0
22003	Tpm1	0.917	0.133	0.068	1	0	0	1	0	0	NM_024427	tropomyosin 1, alpha (Tpm1), mRNA.	Mme-M300008225	ILMN_2518346	1	0
22004	Tpm2	1.402	0.364	-0.640	1	0	-1	1	0	-1	NM_009416	tropomyosin 2, beta (Tpm2), mRNA.	Mme-M300006106	ILMN_2482209	1	1
59069	Tpm3	0.350	0.355	0.286	0	0	0	0	0	0	NM_022314	tropomyosin 3, gamma (Tpm3), mRNA.	Mme-M400011409	ILMN_2444316	0	0
326618	Tpm4	0.015	0.367	0.152	0	0	0	0	0	0	NM_001001491	tropomyosin 4 (Tpm4), mRNA.	Mme-M300007904	ILMN_1223539	0	0
22017	Tpmt	-0.304	-0.097	0.181	0	0	0	0	0	0	NM_016785	thiopurine methyltransferase (Tpmt), mRNA.	Mme-M200002886	ILMN_1217372	0	0
22018	Tpo	0.006	0.096	-0.122	0	0	0	0	0	0	NM_009417	thyroid peroxidase (Tpo), mRNA.	Mme-M200002077	ILMN_2496348	0	0
12751	Tpp1	0.283	-0.018	-0.040	0	0	0	0	0	0	NM_009906	tripeptidyl peptidase I (Tpp1), mRNA.	Mme-M200003948	ILMN_2705991	0	0
22019	Tpp2	-0.205	-0.277	0.143	0	0	0	0	0	0	NM_009418	tripeptidyl peptidase II (Tpp2), mRNA.	Mme-M400002542	ILMN_2421119	0	0
72948	Tppp	-0.010	0.168	0.108	0	0	0	0	0	0	NM_182839	tubulin polymerization promoting protein (Tppp), mRNA.	Mme-M300002835	ILMN_2696110	0	0
67971	Tppp3	-0.119	-0.114	-0.115	0	0	0	0	0	0	NM_026481	tubulin polymerization-promoting protein family member 3 (Tppp3), mRNA.	Mme-M200006448	ILMN_2655929	0	0
108989	Tpr	0.030	-0.060	-0.150	0	0	0	0	0	0	NM_133780	translocated promoter region (Tpr), mRNA.	Mme-M200007996	ILMN_2502996	0	0
24100	Tpra1	0.090	0.033	-0.112	0	0	0	0	0	0	NM_011906	G protein-coupled receptor 175 (Gpr175), mRNA.	Mme-M300000342	ILMN_2440066	0	0
71338	Tprg	-0.066	-0.062	-0.028	0	0	0	0	0	0	NM_175165	transformation related protein 63 regulated (Tprg), mRNA.	Mme-M200008985	ILMN_2984070	0	0
67808	Tprgl	0.181	-0.166	-0.033	0	0	0	0	0	0	NM_026388	transformation related protein 63 regulated like (Tprgl), mRNA.	Mme-M400011559	ILMN_1255745	0	0
69786	Tprkb	0.122	0.185	0.205	0	0	0	0	0	0	NM_176842	Tp53rk binding protein (Tprkb), mRNA.	Mme-M400004744	ILMN_2644950	0	0
97031	Tprn	-0.038	0.075	0.072	0	0	0	0	0	0	NM_175286	RIKEN cDNA C430004E15 gene (C430004E15Rik), mRNA.	Mme-M300019485	ILMN_2625047	0	0
17229	Tpsb2	0.014	0.177	-0.232	0	0	0	0	0	0	NM_010781	tryptase beta 2 (Tpsb2), mRNA.	Mme-M300008971	ILMN_3161036	0	0
26945	Tpsg1	-0.039	-0.019	-0.007	0	0	0	0	0	0	NM_012034	tryptase gamma 1 (Tpsg1), mRNA.	Mme-M300008634	ILMN_2431088	0	0
22021	Tpst1	0.126	0.091	-0.096	0	0	0	0	0	0	NM_013837	protein-tyrosine sulfotransferase 1 (Tpst1), mRNA.	Mme-M300009152	ILMN_1230765	0	0
22022	Tpst2	0.050	0.126	0.121	0	0	0	0	0	0	NM_009419	protein-tyrosine sulfotransferase 2 (Tpst2), mRNA.	Mme-M300006621	ILMN_2843782	0	0
22070	Tpt1	0.351	0.041	0.048	0	0	0	0	0	0	NM_009429	tumor protein, translationally-controlled 1 (Tpt1), mRNA.	Mme-M400010932	ILMN_2858106	0	0
234129	Tpte	0.111	-0.069	0.058	0	0	0	0	0	0	NM_199257	transmembrane phosphatase with tensin homology (Tpte), mRNA.	Mme-M400001375	ILMN_2497341	0	0
101214	Tra2a	0.039	0.210	0.056	0	0	0	0	0	0	NM_198102	transformer 2 alpha homolog (Drosophila) (Tra2a), mRNA.	Mme-M300006891	ILMN_2857086	0	0
20462	Tra2b	0.224	0.192	-0.161	0	0	0	0	0	0	NM_009186	splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila) (Sfrs10), mRNA.	Mme-M400008991	ILMN_2738865	0	0
67976	Trabd	-0.022	0.048	-0.140	0	0	0	0	0	0	NM_026485	TraB domain containing (Trabd), mRNA.	Mme-M300001405	ILMN_1249439	0	0
666048	Trabd2b	0.112	-0.045	-0.078	0	0	0	0	0	0	NM_001085549	predicted gene, OTTMUSG00000008561 (OTTMUSG00000008561), mRNA.	Mme-M400017439	ILMN_1224834	0	0
71609	Tradd	0.009	-0.025	-0.044	0	0	0	0	0	0	NM_001033161	TNFRSF1A-associated via death domain (Tradd), mRNA.	Mme-M200004422	ILMN_2505100	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
22029	Traf1	0.073	0.423	0.168	0	1	0	0	0	0	NM_009421	Tnf receptor-associated factor 1 (Traf1), mRNA.	Mme-M200003178	ILMN_1230586	0	0
22030	Traf2	0.054	0.073	0.092	0	0	0	0	0	0	NM_009422	Tnf receptor-associated factor 2 (Traf2), mRNA.	Mme-M200001312	ILMN_1215661	0	0
22031	Traf3	0.058	0.231	0.019	0	0	0	0	0	0	NM_001048206	Tnf receptor-associated factor 3 (Traf3), transcript variant 2, mRNA.	Mme-M300002663	ILMN_2439638	0	0
74019	Traf3ip1	0.060	-0.125	0.024	0	0	0	0	0	0	NM_028718	TNF receptor-associated factor 3 interacting protein 1 (Traf3ip1), mRNA.	Mme-M400008664	ILMN_2990070	0	0
103213	Traf3ip2	-0.250	-0.062	-0.121	0	0	0	0	0	0	NM_134000	Traf3 interacting protein 2 (Traf3ip2), mRNA.	Mme-M200006138	ILMN_2640675	0	0
215243	Traf3ip3	0.112	0.226	0.112	0	0	0	0	0	0	NM_153137	TRAF3 interacting protein 3 (Traf3ip3), mRNA.	Mme-M300010867	ILMN_1243150	0	0
22032	Traf4	-0.105	-0.164	0.088	0	0	0	0	0	0	NM_009423	Tnf receptor associated factor 4 (Traf4), mRNA.	Mme-M200001791	ILMN_1219701	0	0
22033	Traf5	-0.266	0.281	0.111	0	0	0	0	0	0	NM_011633	Tnf receptor-associated factor 5 (Traf5), mRNA.	Mme-M400012801	ILMN_3046362	0	0
22034	Traf6	0.138	-0.111	0.079	0	0	0	0	0	0	NM_009424	Tnf receptor-associated factor 6 (Traf6), mRNA.	Mme-M200002192	ILMN_2427560	0	0
224619	Traf7	-0.049	-0.116	0.050	0	0	0	0	0	0	NM_153792	Tnf receptor-associated factor 7 (Traf7), mRNA.	Mme-M300003944	ILMN_1235785	0	0
231712	Trafd1	0.322	0.619	0.127	0	1	0	0	1	0	NM_172275	TRAF type zinc finger domain containing 1 (Trafd1), mRNA.	Mme-M200003923	ILMN_1223395	1	0
22036	Traip	-0.024	0.069	-0.048	0	0	0	0	0	0	NM_011634	TRAF-interacting protein (Traip), mRNA.	Mme-M200000155	ILMN_1235176	0	0
67095	Trak1	-0.641	-0.048	-0.042	0	0	0	0	0	0	NM_175114	trafficking protein, kinesin binding 1 (Trak1), mRNA.	Mme-M400013244	ILMN_2937122	0	0
70827	Trak2	-0.008	0.088	-0.059	0	0	0	0	0	0	NM_172406	trafficking protein, kinesin binding 2 (Trak2), mRNA.	Mme-M300004909	ILMN_2872698	0	0
72265	Tram1	0.343	0.042	-0.175	0	0	0	0	0	0	NM_028173	translocating chain-associating membrane protein 1 (Tram1), mRNA.	Mme-M200006155	ILMN_2509139	0	0
229801	Tram1l1	-0.257	0.039	0.113	0	0	0	0	0	0	NM_146140	translocation associated membrane protein 1-like 1 (Tram1l1), mRNA.	Mme-M300015538	ILMN_2484215	0	0
170829	Tram2	-0.087	0.080	-0.092	0	0	0	0	0	0	NM_133252	translocating chain-associating membrane protein 2 (Tram2), mRNA.	Mme-M200012156	ILMN_2503393	0	0
320429	Trank1	0.308	0.071	0.108	0	0	0	0	0	0	XM_915629	PREDICTED: lupus brain antigen 1, transcript variant 4 (Lba1), mRNA.	Mme-M300012551	ILMN_1257355	0	0
68015	Trap1	0.189	-0.130	0.169	0	0	0	0	0	0	NM_026508	TNF receptor-associated protein 1 (Trap1), mRNA.	Mme-M200012053	ILMN_2422333	0	0
22037	Trap1a	-0.061	0.092	0.032	0	0	0	0	0	0	NM_011635	tumor rejection antigen P1A (Trap1a), mRNA.	Mme-M200000497	ILMN_2463395	0	0
245828	Trappc1	0.357	0.164	0.024	0	0	0	0	0	0	NM_001024206	trafficking protein particle complex 1 (Trappc1), mRNA.	Mme-M400003528	ILMN_2943661	0	0
216131	Trappc10	-0.176	-0.381	0.084	0	0	0	0	0	0	NM_001081055	transmembrane protein 1 (Tmem1), mRNA.	Mme-M300000064	ILMN_2533831	0	0
320714	Trappc11	-0.113	-0.072	-0.099	0	0	0	0	0	0	NM_177240	RIKEN cDNA D030016E14 gene (D030016E14Rik), mRNA.	Mme-M400009564	ILMN_2485577	0	0
217449	Trappc12	0.103	0.018	0.054	0	0	0	0	0	0	NM_178811	tetratricopeptide repeat domain 15 (Ttc15), mRNA.	Mme-M400012498	ILMN_2502614	0	0
66975	Trappc13	0.201	-0.158	0.060	0	0	0	0	0	0	NM_001093760	RIKEN cDNA 2410002O22 gene (2410002O22Rik), transcript variant 3, mRNA.	Mme-M200003119	ILMN_2697092	0	0
59005	Trappc2l	0.166	0.160	-0.139	0	0	0	0	0	0	NM_021502	trafficking protein particle complex 2-like (Trappc2l), mRNA.	Mme-M200008106	ILMN_2766315	0	0
27096	Trappc3	-0.025	0.153	0.116	0	0	0	0	0	0	NM_013718	trafficking protein particle complex 3 (Trappc3), mRNA.	Mme-M200002708	ILMN_2503748	0	0
60409	Trappc4	-0.155	-0.028	-0.115	0	0	0	0	0	0	NM_021789	trafficking protein particle complex 4 (Trappc4), mRNA.	Mme-M200006670	ILMN_2790573	0	0
66682	Trappc5	0.084	-0.027	-0.063	0	0	0	0	0	0	NM_025701	trafficking protein particle complex 5 (Trappc5), mRNA.	Mme-M200006318	ILMN_2475271	0	0
67091	Trappc6a	0.005	0.053	-0.144	0	0	0	0	0	0	NM_025960	trafficking protein particle complex 6A (Trappc6a), mRNA.	Mme-M400000047	ILMN_2643057	0	0
78232	Trappc6b	0.159	-0.162	0.177	0	0	0	0	0	0	NM_030057	trafficking protein particle complex 6B (Trappc6b), mRNA.	Mme-M200008177	ILMN_2455667	0	0
75964	Trappc8	0.086	-0.093	-0.002	0	0	0	0	0	0	NM_029491	RIKEN cDNA D030074E01 gene (D030074E01Rik), mRNA.	Mme-M400009065	ILMN_3160672	0	0
76510	Trappc9	0.204	-0.130	-0.028	0	0	0	0	0	0	NM_029640	RIKEN cDNA 1810044A24 gene (1810044A24Rik), transcript variant 1, mRNA.	Mme-M300003404	ILMN_3163481	0	0
77647	Trat1	-0.067	0.139	0.223	0	0	0	0	0	0	NM_198297	T cell receptor associated transmembrane adaptor 1 (Trat1), mRNA.	Mme-M200011629	ILMN_2652867	0	0
100043322	Trav12-2	-0.185	-0.096	-0.061	0	0	0	0	0	0	XM_001479731	PREDICTED: similar to T cell receptor V alpha 8.5 (LOC100043322), mRNA.	Mme-M400006895	ILMN_2622718	0	0
547329	Trav16d-dv11	-0.022	-0.117	-0.046	0	0	0	0	0	0	XM_001475412	PREDICTED: similar to TRADV16D (LOC547329), mRNA.	Mme-M400007544	ILMN_1254916	0	0
100042444	Trav6d-6	-0.147	0.285	0.139	0	0	0	0	0	0	XM_001478230	PREDICTED: similar to TRAV6-6 (LOC100042444), mRNA.	Mme-M400008483	ILMN_2536349	0	0
667574	Trav9d-4	0.016	0.162	0.114	0	0	0	0	0	0	XM_991287	PREDICTED: similar to A430107P09Rik protein (LOC667574), mRNA.	Mme-M400007452	ILMN_2995934	0	0
621968	Trbv1	0.054	0.171	0.129	0	0	0	0	0	0	XM_886370	PREDICTED: similar to T-cell receptor beta chain V region E1 precursor (LOC621968), mRNA.	Mme-M300010695	ILMN_2539295	0	0
13434	Trdmt1	0.252	0.126	0.088	0	0	0	0	0	0	NM_010067	tRNA aspartic acid methyltransferase 1 (Trdmt1), mRNA.	Mme-M200002467	ILMN_2619348	0	0
76757	Trdn	1.093	0.053	0.055	1	0	0	1	0	0	XM_483890	PREDICTED: triadin (Trdn), mRNA.	Mme-M400002275	ILMN_2521511	1	0
58866	Treh	0.219	-0.030	0.055	0	0	0	0	0	0	NM_021481	trehalase (brush-border membrane glycoprotein) (Treh), mRNA.	Mme-M300008071	ILMN_1248603	0	0
58217	Trem1	-0.201	0.074	-0.112	0	0	0	0	0	0	NM_021406	triggering receptor expressed on myeloid cells 1 (Trem1), mRNA.	Mme-M200008881	ILMN_2871945	0	0
83433	Trem2	-0.005	0.269	-0.033	0	0	0	0	0	0	NM_031254	triggering receptor expressed on myeloid cells 2 (Trem2), mRNA.	Mme-M300003851	ILMN_2992709	0	0
58218	Trem3	-0.363	0.126	0.154	0	0	0	0	0	0	NM_021407	triggering receptor expressed on myeloid cells 3 (Trem3), mRNA.	Mme-M200008882	ILMN_2915303	0	0
71326	Treml1	0.207	0.117	0.211	0	0	0	0	0	0	NM_027763	triggering receptor expressed on myeloid cells-like 1 (Treml1), mRNA.	Mme-M300003852	ILMN_2523169	0	0
328833	Treml2	-0.161	-0.083	0.064	0	0	0	0	0	0	NM_001033405	triggering receptor expressed on myeloid cells-like 2 (Treml2), mRNA.	Mme-M400002529	ILMN_1224584	0	0
224840	Treml4	0.130	0.135	-0.072	0	0	0	0	0	0	NM_172623	triggering receptor expressed on myeloid cells-like 4 (Treml4), transcript variant 2, mRNA.	Mme-M300022296	ILMN_2438678	0	0
224829	Trerf1	0.038	0.123	0.102	0	0	0	0	0	0	NM_172622	transcriptional regulating factor 1 (Trerf1), transcript variant 2, mRNA.	Mme-M400008528	ILMN_2949338	0	0
22040	Trex1	0.341	0.292	-0.063	0	0	0	0	0	0	NM_001012236	three prime repair exonuclease 1 (Trex1), transcript variant 2, mRNA.	Mme-M200003525	ILMN_2509737	0	0
24102	Trex2	-0.207	-0.066	-0.017	0	0	0	0	0	0	NM_011907	three prime repair exonuclease 2 (Trex2), mRNA.	Mme-M300007689	ILMN_1225473	0	0
22041	Trf	-0.012	0.244	0.177	0	0	0	0	0	0	NM_133977	transferrin (Trf), mRNA.	Mme-M200007917	ILMN_2485323	0	0
22044	Trh	-0.192	0.252	0.006	0	0	0	0	0	0	NM_009426	thyrotropin releasing hormone (Trh), mRNA.	Mme-M200000534	ILMN_1237934	0	0
237553	Trhde	0.018	0.008	0.014	0	0	0	0	0	0	NM_146241	TRH-degrading enzyme (Trhde), mRNA.	Mme-M300021340	ILMN_2838727	0	0
22045	Trhr	0.028	0.030	0.016	0	0	0	0	0	0	NM_013696	thyrotropin releasing hormone receptor (Trhr), mRNA.	Mme-M200001519	ILMN_2521340	0	0
170732	Trhr2	0.118	0.063	-0.035	0	0	0	0	0	0	NM_133202	thyrotropin releasing hormone receptor 2 (Trhr2), mRNA.	Mme-M200009806	ILMN_2461612	0	0
69076	Triap1	-0.158	0.098	0.126	0	0	0	0	0	0	NM_026933	TP53 regulated inhibitor of apoptosis 1 (Triap1), mRNA.	Mme-M200005768	ILMN_1233160	0	0
217410	Trib2	-0.131	-0.118	0.131	0	0	0	0	0	0	NM_144551	tribbles homolog 2 (Drosophila) (Trib2), mRNA.	Mme-M300002269	ILMN_2432550	0	0
228775	Trib3	-0.271	0.038	0.168	0	0	0	0	0	0	NM_175093	tribbles homolog 3 (Drosophila) (Trib3), mRNA.	Mme-M300008400	ILMN_1225528	0	0
66873	Tril	0.236	0.018	0.053	0	0	0	0	0	0	NM_025817	RIKEN cDNA 1200009O22 gene (1200009O22Rik), mRNA.	Mme-M400011515	ILMN_2615431	0	0
19824	Trim10	0.120	0.247	0.195	0	0	0	0	0	0	NM_011280	tripartite motif-containing 10 (Trim10), mRNA.	Mme-M400004295	ILMN_2783997	0	0
94091	Trim11	-0.004	0.034	-0.029	0	0	0	0	0	0	NM_053168	tripartite motif-containing 11 (Trim11), mRNA.	Mme-M200009298	ILMN_2435814	0	0
319236	Trim12c	0.151	0.054	-0.068	0	0	0	0	0	0	NM_175677	RIKEN cDNA 9230105E10 gene (9230105E10Rik), mRNA.	Mme-M300007501	ILMN_2661982	0	0
66597	Trim13	0.043	-0.001	0.002	0	0	0	0	0	0	NM_023233	tripartite motif-containing 13 (Trim13), mRNA.	Mme-M300009798	ILMN_2490821	0	0
74735	Trim14	0.050	-0.036	0.023	0	0	0	0	0	0	NM_029077	tripartite motif-containing 14 (Trim14), mRNA.	Mme-M400002301	ILMN_2427498	0	0
69097	Trim15	-0.307	-0.040	-0.124	0	0	0	0	0	0	NM_001024134	tripartite motif-containing 15 (Trim15), mRNA.	Mme-M300004139	ILMN_2484329	0	0
94092	Trim16	0.184	0.062	-0.152	0	0	0	0	0	0	NM_053169	tripartite motif-containing 16 (Trim16), mRNA.	Mme-M200008870	ILMN_2482494	0	0
56631	Trim17	-0.159	0.062	-0.065	0	0	0	0	0	0	NM_031172	tripartite motif-containing 17 (Trim17), mRNA.	Mme-M200011910	ILMN_2509171	0	0
80890	Trim2	0.002	0.043	-0.170	0	0	0	0	0	0	NM_030706	tripartite motif-containing 2 (Trim2), mRNA.	Mme-M400011709	ILMN_2511355	0	0
20821	Trim21	0.124	0.685	0.421	0	1	1	0	1	1	NM_001082552	tripartite motif-containing 21 (Trim21), transcript variant 2, mRNA.	Mme-M200000550	ILMN_3139158	2	0
81003	Trim23	-0.089	0.067	0.113	0	0	0	0	0	0	NM_030731	tripartite motif-containing 23 (Trim23), mRNA.	Mme-M400008910	ILMN_2879221	0	0
217069	Trim25	0.248	0.184	-0.022	0	0	0	0	0	0	NM_009546	tripartite motif-containing 25 (Trim25), mRNA.	Mme-M200002067	ILMN_2480463	0	0
22670	Trim26	0.200	0.043	-0.012	0	0	0	0	0	0	NM_001025599	tripartite motif-containing 26 (Trim26), transcript variant 1, mRNA.	Mme-M300004143	ILMN_1240074	0	0
19720	Trim27	0.240	-0.105	-0.038	0	0	0	0	0	0	NM_009054	tripartite motif-containing 27 (Trim27), mRNA.	Mme-M200000017	ILMN_2499747	0	0
21849	Trim28	0.073	0.128	-0.127	0	0	0	0	0	0	NM_011588	tripartite motif-containing 28 (Trim28), mRNA.	Mme-M200003394	ILMN_1227225	0	0
72169	Trim29	0.103	0.068	0.057	0	0	0	0	0	0	NM_023655	tripartite motif-containing 29 (Trim29), mRNA.	Mme-M200016266	ILMN_3008888	0	0
55992	Trim3	0.041	0.135	0.129	0	0	0	0	0	0	NM_018880	tripartite motif-containing 3 (Trim3), mRNA.	Mme-M200006418	ILMN_1259939	0	0
20128	Trim30a	0.425	0.011	-0.037	0	0	0	0	0	0	NM_009099	tripartite motif-containing 30 (Trim30), mRNA.	Mme-M300007498	ILMN_1229630	0	0
244183	Trim30b	0.011	-0.083	-0.049	0	0	0	0	0	0	NM_175648	RIKEN cDNA A530023O14 gene (A530023O14Rik), mRNA.	Mme-M400004234	ILMN_2689651	0	0
209387	Trim30d	-0.371	0.132	0.090	0	0	0	0	0	0	NM_199146	expressed sequence AI451617 (AI451617), mRNA.	Mme-M400005986	ILMN_2695412	0	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gIngly_sig ned_423	z3gIngly_sig ned_616	z3gIngly_sig ned_921	z4gIngly_sig ned_423	z4gIngly_sig ned_616	z4gIngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
224762	Trim31	-0.109	0.037	0.018	0	0	0	0	0	0	NM_146077	tripartite motif-containing 31 (Trim31), mRNA.	Mme-M300021744	ILMN_1245496	0	0
69807	Trim32	0.134	0.149	0.082	0	0	0	0	0	0	NM_053084	tripartite motif-containing 32 (Trim32), mRNA.	Mme-M200004509	ILMN_1238237	0	0
94093	Trim33	-0.196	-0.240	0.090	0	0	0	0	0	0	NM_001079830	tripartite motif-containing 33 (Trim33), transcript variant 2, mRNA.	Mme-M200007047	ILMN_1236637	0	0
94094	Trim34a	0.168	0.634	0.277	0	1	0	0	1	0	NM_030684	tripartite motif-containing 34 (Trim34), mRNA.	Mme-M400001318	ILMN_2504717	1	0
66854	Trim35	0.227	0.071	-0.167	0	0	0	0	0	0	NM_029979	tripartite motif-containing 35 (Trim35), mRNA.	Mme-M200014016	ILMN_2445989	0	0
28105	Trim36	-0.331	-0.130	0.076	0	0	0	0	0	0	NM_178872	tripartite motif-containing 36 (Trim36), mRNA.	Mme-M300009046	ILMN_1220109	0	0
68729	Trim37	0.226	-0.197	0.085	0	0	0	0	0	0	NM_197987	tripartite motif-containing 37 (Trim37), mRNA.	Mme-M300001689	ILMN_1247915	0	0
79263	Trim39	0.333	0.003	0.097	0	0	0	0	0	0	NM_024468	tripartite motif-containing 39 (Trim39), mRNA.	Mme-M200008298	ILMN_1251912	0	0
195359	Trim40	-0.230	0.026	-0.054	0	0	0	0	0	0	NM_001033235	tripartite motif-containing 40 (Trim40), mRNA.	Mme-M300021420	ILMN_2530713	0	0
211007	Trim41	-0.112	-0.014	-0.091	0	0	0	0	0	0	NM_145377	tripartite motif-containing 41 (Trim41), mRNA.	Mme-M300012625	ILMN_2427178	0	0
78911	Trim42	-0.067	-0.139	-0.005	0	0	0	0	0	0	NM_030219	tripartite motif-containing 42 (Trim42), mRNA.	Mme-M200008726	ILMN_2447121	0	0
80985	Trim44	0.205	0.027	0.056	0	0	0	0	0	0	NM_020267	tripartite motif-containing 44 (Trim44), mRNA.	Mme-M200008549	ILMN_1231217	0	0
229644	Trim45	-0.190	-0.252	-0.097	0	0	0	0	0	0	NM_194343	tripartite motif-containing 45 (Trim45), mRNA.	Mme-M300008652	ILMN_2454919	0	0
217333	Trim47	0.148	-0.115	0.100	0	0	0	0	0	0	NM_172570	tripartite motif-containing 47 (Trim47), mRNA.	Mme-M300002380	ILMN_2504823	0	0
215061	Trim50	0.010	-0.082	0.010	0	0	0	0	0	0	NM_178240	tripartite motif-containing 50 (Trim50), mRNA.	Mme-M400004451	ILMN_2442967	0	0
212085	Trim52	-0.119	0.028	0.006	0	0	0	0	0	0	NM_198601	tripartite motif-containing 52 (Trim52), mRNA.	Mme-M300003099	ILMN_1255667	0	0
58522	Trim54	1.070	0.323	0.057	1	0	0	1	0	0	NM_021447	tripartite motif-containing 54 (Trim54), mRNA.	Mme-M400007670	ILMN_2756950	1	0
381485	Trim55	-0.281	-0.008	0.024	0	0	0	0	0	0	NM_001081281	tripartite motif-containing 55 (Trim55), mRNA.	Mme-M300005722	ILMN_2529012	0	0
384309	Trim56	-0.105	0.079	0.202	0	0	0	0	0	0	NM_201373	tripartite motif-containing 56 (Trim56), mRNA.	Mme-M300014353	ILMN_2441921	0	0
216781	Trim58	-0.165	0.093	0.073	0	0	0	0	0	0	NM_001039047	tripartite motif-containing 58 (Trim58), mRNA.	Mme-M400001987	ILMN_1222524	0	0
66949	Trim59	0.287	0.067	0.230	0	0	0	0	0	0	NM_025863	tripartite motif-containing 59 (Trim59), mRNA.	Mme-M200013640	ILMN_2515081	0	0
94088	Trim6	-0.286	0.009	0.057	0	0	0	0	0	0	NM_001013616	tripartite motif-containing 6 (Trim6), mRNA.	Mme-M300013518	ILMN_2454466	0	0
234329	Trim60	0.037	0.069	0.067	0	0	0	0	0	0	NM_153097	tripartite motif-containing 60 (Trim60), mRNA.	Mme-M200011759	ILMN_2717897	0	0
260296	Trim61	0.072	-0.113	-0.036	0	0	0	0	0	0	NM_153110	tripartite motif-containing 61 (Trim61), mRNA.	Mme-M400009566	ILMN_2685468	0	0
67525	Trim62	-0.163	0.164	-0.017	0	0	0	0	0	0	NM_178110	tripartite motif-containing 62 (Trim62), mRNA.	Mme-M400002465	ILMN_2620942	0	0
338364	Trim65	0.042	-0.102	-0.014	0	0	0	0	0	0	NM_178802	tripartite motif-containing 65 (Trim65), mRNA.	Mme-M400004843	ILMN_2881791	0	0
330627	Trim66	0.264	0.067	0.037	0	0	0	0	0	0	NM_181853	tripartite motif-containing 66 (Trim66), mRNA.	Mme-M300007539	ILMN_1249793	0	0
101700	Trim68	0.002	-0.011	0.048	0	0	0	0	0	0	NM_198012	tripartite motif-containing 68 (Trim68), mRNA.	Mme-M300018438	ILMN_2635642	0	0
70928	Trim69	-0.590	-0.002	-0.010	0	0	0	0	0	0	NM_080510	tripartite motif-containing 69 (Trim69), mRNA.	Mme-M200014801	ILMN_1256486	0	0
636931	Trim71	-0.117	-0.048	-0.083	0	0	0	0	0	0	NM_001042503	tripartite motif-containing 71 (Trim71), mRNA.	Mme-M400013776	ILMN_1240927	0	0
434246	Trim72	0.235	0.177	-0.222	0	0	0	0	0	0	NM_001079932	tripartite motif-containing 72 (Trim72), mRNA.	Mme-M300013926	ILMN_2900484	0	0
333307	Trim75	0.033	0.089	0.040	0	0	0	0	0	0	NM_001033429	tripartite motif-containing 75 (Trim75), mRNA.	Mme-M400000663	ILMN_2533251	0	0
93679	Trim8	-0.001	-0.062	0.080	0	0	0	0	0	0	NM_053100	tripartite motif protein 8 (Trim8), mRNA.	Mme-M300004437	ILMN_2782503	0	0
432613	Trim80	0.067	-0.012	-0.039	0	0	0	0	0	0	NM_001033775	RIKEN cDNA 4933422H20 gene (4933422H20Rik), mRNA.	Mme-M300019565	ILMN_3161452	0	0
94090	Trim9	0.086	0.101	0.018	0	0	0	0	0	0	NM_053167	tripartite motif-containing 9 (Trim9), transcript variant 1, mRNA.	Mme-M300002541	ILMN_2454955	0	0
244448	Triml1	-0.058	0.000	0.083	0	0	0	0	0	0	NM_177742	tripartite motif family-like 1 (Triml1), mRNA.	Mme-M300007840	ILMN_2795436	0	0
223435	Trio	-0.127	-0.175	-0.186	0	0	0	0	0	0	NM_001081302	triple functional domain (PTPRF interacting) (Trio), mRNA.	Mme-M300003176	ILMN_2491741	0	0
110253	Triobp	0.298	-0.096	-0.074	0	0	0	0	0	0	NM_001024716	TRIO and F-actin binding protein (Triobp), transcript variant 1, mRNA.	Mme-M300008587	ILMN_2519677	0	0
106628	Trip10	0.134	0.122	-0.109	0	0	0	0	0	0	NM_134125	thyroid hormone receptor interactor 10 (Trip10), mRNA.	Mme-M200007933	ILMN_1213117	0	0
109181	Trip11	0.227	-0.067	0.066	0	0	0	0	0	0	XM_001001171	PREDICTED: thyroid hormone receptor interactor 11, transcript variant 3 (Trip11), mRNA.	Mme-M400002553	ILMN_2581065	0	0
14897	Trip12	0.149	0.039	0.158	0	0	0	0	0	0	NM_133975	thyroid hormone receptor interactor 12 (Trip12), mRNA.	Mme-M400014075	ILMN_1237986	0	0
69716	Trip13	-0.046	0.061	0.031	0	0	0	0	0	0	NM_027182	thyroid hormone receptor interactor 13 (Trip13), mRNA.	Mme-M200002462	ILMN_2489976	0	0
56404	Trip4	0.212	0.045	0.029	0	0	0	0	0	0	NM_019797	thyroid hormone receptor interactor 4 (Trip4), mRNA.	Mme-M300008233	ILMN_2463951	0	0
22051	Trip6	0.173	0.114	-0.021	0	0	0	0	0	0	NM_011639	thyroid hormone receptor interactor 6 (Trip6), mRNA.	Mme-M400000672	ILMN_3009469	0	0
208820	Triqk	-0.200	0.049	0.009	0	0	0	0	0	0	NM_173746	predicted gene, OTTMUSG00000004461 (OTTMUSG00000004461), mRNA.	Mme-M400005362	ILMN_1229340	0	0
66966	Trit1	-0.137	0.160	-0.103	0	0	0	0	0	0	NM_025873	tRNA isopentenyltransferase 1 (Trit1), mRNA.	Mme-M200002934	ILMN_2920309	0	0
212528	Trmt1	0.363	0.125	0.028	0	0	0	0	0	0	NM_198020	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae) (Trmt1), mRNA.	Mme-M300000243	ILMN_2719460	0	0
108943	Trmt10a	-0.132	-0.018	0.009	0	0	0	0	0	0	NM_175389	RNA (guanine-9-) methyltransferase domain containing 2 (Rg9mtd2), mRNA.	Mme-M300011171	ILMN_1222171	0	0
69934	Trmt10b	0.043	-0.083	0.104	0	0	0	0	0	0	NM_027266	RNA (guanine-9-) methyltransferase domain containing 3 (Rg9mtd3), mRNA.	Mme-M200014599	ILMN_2763812	0	0
52575	Trmt10c	0.317	0.073	0.064	0	0	0	0	0	0	NM_029092	RNA (guanine-9-) methyltransferase domain containing 1 (Rg9mtd1), mRNA.	Mme-M200006794	ILMN_2689740	0	0
73681	Trmt11	-0.282	0.020	-0.023	0	0	0	0	0	0	NM_028604	tRNA methyltransferase 11 homolog (S. cerevisiae) (Trmt11), mRNA.	Mme-M200005230	ILMN_1242132	0	0
67674	Trmt112	0.150	0.035	-0.036	0	0	0	0	0	0	NM_026306	RIKEN cDNA 0610038D11 gene (0610038D11Rik), mRNA.	Mme-M400002201	ILMN_2470615	0	0
68260	Trmt12	0.145	-0.110	-0.026	0	0	0	0	0	0	NM_026642	tRNA methyltranferase 12 homolog (S. cerevisiae) (Trmt12), mRNA.	Mme-M200014102	ILMN_2960243	0	0
229780	Trmt13	0.163	-0.022	-0.033	0	0	0	0	0	0	NM_030016	coiled-coil domain containing 76 (Ccdc76), mRNA.	Mme-M300008776	ILMN_1257847	0	0
98685	Trmt1l	0.168	0.040	0.087	0	0	0	0	0	0	NM_026876	RIKEN cDNA 1190005F20 gene (1190005F20Rik), mRNA.	Mme-M300005133	ILMN_2963792	0	0
15547	Trmt2a	-0.021	-0.098	-0.108	0	0	0	0	0	0	NM_001080999	HpaII tiny fragments locus 9c (Htf9c), transcript variant 2, mRNA.	Mme-M200002166	ILMN_3143116	0	0
215201	Trmt2b	0.060	0.189	0.114	0	0	0	0	0	0	NM_172540	RIKEN cDNA 4732479N06 gene (4732479N06Rik), mRNA.	Mme-M400012232	ILMN_2912170	0	0
78890	Trmt44	-0.105	0.012	-0.007	0	0	0	0	0	0	NM_030208	RIKEN cDNA 2310079F23 gene (2310079F23Rik), mRNA.	Mme-M200016167	ILMN_2990041	0	0
76357	Trmt5	0.153	0.073	-0.052	0	0	0	0	0	0	NM_029580	TRM5 tRNA methyltransferase 5 homolog (S. cerevisiae) (Trmt5), mRNA.	Mme-M200014531	ILMN_2616161	0	0
66926	Trmt6	-0.383	-0.054	-0.076	0	0	0	0	0	0	NM_175113	tRNA methyltransferase 6 homolog (S. cerevisiae) (Trmt6), mRNA.	Mme-M200007512	ILMN_2644845	0	0
328162	Trmt61a	-0.317	0.014	-0.094	0	0	0	0	0	0	NM_001099793	RIKEN cDNA 6720458F09 gene (6720458F09Rik), transcript variant 3, mRNA.	Mme-M300011134	ILMN_2614853	0	0
72026	Trmu	-0.092	0.113	-0.083	0	0	0	0	0	0	NM_028063	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase (Trmu), nuclear gene encoding mitochondrial prc	Mme-M200014573	ILMN_1255485	0	0
71787	Trnau1ap	0.162	-0.039	0.101	0	0	0	0	0	0	NM_027925	tRNA selenocysteine associated protein 1 (Trspap1), mRNA.	Mme-M400001127	ILMN_1237264	0	0
69539	Trnp1	-0.072	-0.125	-0.053	0	0	0	0	0	0	NM_001081156	RIKEN cDNA 2300002D11 gene (2300002D11Rik), mRNA.	Mme-M400005557	ILMN_1253600	0	0
70047	Trnt1	0.117	0.119	-0.133	0	0	0	0	0	0	NM_027296	tRNA nucleotidyl transferase, CCA-adding, 1 (Trnt1), mRNA.	Mme-M200012635	ILMN_1253587	0	0
56191	Tro	0.232	0.236	-0.291	0	0	0	0	0	0	NM_019548	trophinin (Tro), transcript variant 3, mRNA.	Mme-M200001405	ILMN_3129213	0	0
78733	Troap	-0.138	0.174	0.005	0	0	0	0	0	0	XM_283286	PREDICTED: trophinin associated protein (Troap), mRNA.	Mme-M400001494	ILMN_1213921	0	0
20822	Trove2	0.193	-0.096	-0.087	0	0	0	0	0	0	NM_013835	TROVE domain family, member 2 (Trove2), mRNA.	Mme-M400013077	ILMN_2952466	0	0
22059	Trp53	0.019	0.334	-0.075	0	0	0	0	0	0	NM_011640	transformation related protein 53 (Trp53), mRNA.	Mme-M200000084	ILMN_2466845	0	0
27223	Trp53bp1	-0.040	-0.121	-0.100	0	0	0	0	0	0	NM_013735	transformation related protein 53 binding protein 1 (Trp53bp1), mRNA.	Mme-M400002821	ILMN_2433547	0	0
209456	Trp53bp2	0.043	0.002	-0.108	0	0	0	0	0	0	NM_173378	transformation related protein 53 binding protein 2 (Trp53bp2), mRNA.	Mme-M300005152	ILMN_2419247	0	0
216964	Trp53i13	0.307	-0.124	-0.048	0	0	0	0	0	0	NM_001024920	transformation related protein 53 inducible protein 13 (Trp53i13), mRNA.	Mme-M300015352	ILMN_2758896	0	0
60599	Trp53inp1	0.146	0.094	0.100	0	0	0	0	0	0	NM_021897	transformation related protein 53 inducible nuclear protein 1 (Trp53inp1), mRNA.	Mme-M200006137	ILMN_2506012	0	0
68728	Trp53inp2	0.428	0.224	-0.099	0	0	0	0	0	0	NM_178111	transformation related protein 53 inducible nuclear protein 2 (Trp53inp2), mRNA.	Mme-M200006772	ILMN_2457585	0	0
76367	Trp53rk	0.102	-0.044	-0.002	0	0	0	0	0	0	NM_023815	transformation related protein 53 regulating kinase (Trp53rk), mRNA.	Mme-M300013947	ILMN_1240891	0	0
73603	Trp53tg5	-0.092	-0.047	-0.035	0	0	0	0	0	0	XR_033202	PREDICTED: RIKEN cDNA 1700126L10 gene (1700126L10Rik), misc RNA.	Mme-M200010632	ILMN_2607572	0	0
277328	Trpa1	0.008	-0.027	0.054	0	0	0	0	0	0	NM_177781	transient receptor potential cation channel, subfamily A, member 1 (Trpa1), mRNA.	Mme-M300008432	ILMN_2621548	0	0
22063	Trpc1	-0.098	-0.107	0.095	0	0	0	0	0	0	NM_011643	transient receptor potential cation channel, subfamily C, member 1 (Trpc1), mRNA.	Mme-M400009639	ILMN_2510943	0	0
22064	Trpc2	0.075	-0.119	-0.057	0	0	0	0	0	0	NM_001109897	transient receptor potential cation channel, subfamily C, member 2 (Trpc2), transcript variant 2, mRNA.	Mme-M400011155	ILMN_1256523	0	0
22065	Trpc3	-0.140	0.108	0.084	0	0	0	0	0	0	NM_019510	transient receptor potential cation channel, subfamily C, member 3 (Trpc3), mRNA.	Mme-M200015376	ILMN_3001313	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
22066	Trpc4	-0.276	-0.019	-0.031	0	0	0	0	0	0	NM_016984	transient receptor potential cation channel, subfamily C, member 4 (Trpc4), mRNA.	Mme-M300005769	ILMN_1221193	0	0
56407	Trpc4ap	0.204	0.104	0.080	0	0	0	0	0	0	NM_019828	transient receptor potential cation channel, subfamily C, member 4 associated protein (Trpc4ap), mRNA.	Mme-M200005762	ILMN_2940595	0	0
22067	Trpc5	-0.016	0.007	0.012	0	0	0	0	0	0	NM_009428	transient receptor potential cation channel, subfamily C, member 5 (Trpc5), mRNA.	Mme-M200002959	ILMN_2433320	0	0
22068	Trpc6	-0.091	0.059	0.122	0	0	0	0	0	0	NM_013838	transient receptor potential cation channel, subfamily C, member 6 (Trpc6), mRNA.	Mme-M200002648	ILMN_2915118	0	0
26946	Trpc7	-0.097	0.057	0.066	0	0	0	0	0	0	NM_012035	transient receptor potential cation channel, subfamily C, member 7 (Trpc7), mRNA.	Mme-M300002823	ILMN_1242557	0	0
66745	Trpd52l3	-0.053	0.082	0.042	0	0	0	0	0	0	NM_025741	tumor protein D52-like 3 (Trpd52l3), mRNA.	Mme-M200009992	ILMN_2989947	0	0
28240	Trpm2	-0.055	0.106	-0.033	0	0	0	0	0	0	NM_138301	transient receptor potential cation channel, subfamily M, member 2 (Trpm2), mRNA.	Mme-M300001023	ILMN_2437986	0	0
226025	Trpm3	-0.059	0.211	-0.132	0	0	0	0	0	0	NM_001035239	transient receptor potential cation channel, subfamily M, member 3 (Trpm3), transcript variant 1, mRNA.	Mme-M300004302	ILMN_2462222	0	0
68667	Trpm4	0.310	-0.113	-0.102	0	0	0	0	0	0	NM_175130	transient receptor potential cation channel, subfamily M, member 4 (Trpm4), mRNA.	Mme-M300011450	ILMN_2434289	0	0
56843	Trpm5	-0.197	-0.046	0.107	0	0	0	0	0	0	NM_020277	transient receptor potential cation channel, subfamily M, member 5 (Trpm5), mRNA.	Mme-M300001019	ILMN_2859192	0	0
225997	Trpm6	-0.181	-0.126	0.098	0	0	0	0	0	0	NM_153417	transient receptor potential cation channel, subfamily M, member 6 (Trpm6), mRNA.	Mme-M200013378	ILMN_2447694	0	0
58800	Trpm7	0.141	0.052	-0.058	0	0	0	0	0	0	NM_021450	transient receptor potential cation channel, subfamily M, member 7 (Trpm7), mRNA.	Mme-M200007422	ILMN_2443085	0	0
171382	Trpm8	-0.236	0.012	0.000	0	0	0	0	0	0	NM_134252	transient receptor potential cation channel, subfamily M, member 8 (Trpm8), mRNA.	Mme-M300010292	ILMN_2420538	0	0
83925	Trps1	0.247	0.183	-0.114	0	0	0	0	0	0	NM_032000	trichorhinophalangeal syndrome I (human) (Trps1), mRNA.	Mme-M400008963	ILMN_1230460	0	0
107328	Trpt1	0.012	0.115	-0.169	0	0	0	0	0	0	NM_153597	tRNA phosphotransferase 1 (Trpt1), mRNA.	Mme-M300018493	ILMN_2480638	0	0
193034	Trpv1	-0.365	-0.138	-0.141	0	0	0	0	0	0	NM_001001445	transient receptor potential cation channel, subfamily V, member 1 (Trpv1), mRNA.	Mme-M300000737	ILMN_2918381	0	0
22368	Trpv2	-0.148	0.149	0.010	0	0	0	0	0	0	NM_011706	transient receptor potential cation channel, subfamily V, member 2 (Trpv2), mRNA.	Mme-M200007853	ILMN_2837779	0	0
246788	Trpv3	-0.008	-0.042	0.048	0	0	0	0	0	0	NM_145099	transient receptor potential cation channel, subfamily V, member 3 (Trpv3), mRNA.	Mme-M300014116	ILMN_2817797	0	0
63873	Trpv4	0.122	0.061	-0.164	0	0	0	0	0	0	NM_022017	transient receptor potential cation channel, subfamily V, member 4 (Trpv4), mRNA.	Mme-M200016100	ILMN_1231520	0	0
194352	Trpv5	-0.081	-0.071	0.086	0	0	0	0	0	0	NM_001007572	transient receptor potential cation channel, subfamily V, member 5 (Trpv5), mRNA.	Mme-M300010610	ILMN_2826770	0	0
64177	Trpv6	-0.094	-0.100	-0.018	0	0	0	0	0	0	NM_022413	transient receptor potential cation channel, subfamily V, member 6 (Trpv6), mRNA.	Mme-M200009975	ILMN_3001186	0	0
100683	Trrap	0.037	-0.224	-0.010	0	0	0	0	0	0	NM_001081362	transformation/transcription domain-associated protein (Trrap), mRNA.	Mme-M300011798	ILMN_2697174	0	0
72133	Trub1	0.110	-0.086	-0.053	0	0	0	0	0	0	NM_029839	TruB pseudouridine (psi) synthase homolog 1 (E. coli) (Trub1), transcript variant 2, mRNA.	Mme-M200011234	ILMN_2701415	0	0
227682	Trub2	-0.146	-0.139	-0.050	0	0	0	0	0	0	NM_145520	TruB pseudouridine (psi) synthase homolog 2 (E. coli) (Trub2), mRNA.	Mme-M200007768	ILMN_2983686	0	0
22074	Try4	-0.291	0.028	0.030	0	0	0	0	0	0	NM_011646	trypsin 4 (Try4), mRNA.	Mme-M400004707	ILMN_2493756	0	0
76927	Tsacc	0.179	-0.110	-0.001	0	0	0	0	0	0	NM_029801	RIKEN cDNA 1700021C14 gene (1700021C14Rik), mRNA.	Mme-M200008527	ILMN_1232146	0	0
64930	Tsc1	-0.056	-0.028	0.035	0	0	0	0	0	0	NM_022887	tuberous sclerosis 1 (Tsc1), mRNA.	Mme-M200009612	ILMN_2423383	0	0
22084	Tsc2	0.195	-0.127	-0.103	0	0	0	0	0	0	NM_001039363	tuberous sclerosis 2 (Tsc2), transcript variant 2, mRNA.	Mme-M300000316	ILMN_3135566	0	0
21807	Tsc22d1	0.576	-0.018	0.066	0	0	0	0	0	0	NM_009366	TSC22 domain family, member 1 (Tsc22d1), transcript variant 2, mRNA.	Mme-M200004008	ILMN_2723108	0	0
72033	Tsc22d2	-0.125	0.066	-0.100	0	0	0	0	0	0	NM_001081229	TSC22 domain family 2 (Tsc22d2), mRNA.	Mme-M400014203	ILMN_2602204	0	0
14605	Tsc22d3	0.383	-0.054	-0.301	0	0	0	0	0	0	NM_010286	TSC22 domain family 3 (Tsc22d3), transcript variant 2, mRNA.	Mme-M300007712	ILMN_2701664	0	0
78829	Tsc22d4	0.012	0.074	0.108	0	0	0	0	0	0	NM_023910	TSC22 domain family 4 (Tsc22d4), mRNA.	Mme-M300006838	ILMN_2638061	0	0
66637	Tsen15	0.098	-0.159	0.057	0	0	0	0	0	0	NM_025677	RIKEN cDNA 5730449L18 gene (5730449L18Rik), mRNA.	Mme-M200004043	ILMN_2835012	0	0
381802	Tsen2	0.072	-0.069	-0.001	0	0	0	0	0	0	NM_199033	tRNA splicing endonuclease 2 homolog (SEN2, S. cerevisiae) (Tsen2), mRNA.	Mme-M300013663	ILMN_2622057	0	0
66078	Tsen34	0.183	0.020	-0.056	0	0	0	0	0	0	NM_024168	tRNA splicing endonuclease 34 homolog (SEN34, S. cerevisiae) (Tsen34), mRNA.	Mme-M300010003	ILMN_2628175	0	0
76265	Tsen54	0.040	0.102	0.008	0	0	0	0	0	0	NM_029557	tRNA splicing endonuclease 54 homolog (SEN54, S. cerevisiae) (Tsen54), mRNA.	Mme-M200009560	ILMN_2729008	0	0
66399	Tsfm	-0.019	0.098	-0.005	0	0	0	0	0	0	NM_025537	Ts translation elongation factor, mitochondrial (Tsfm), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200006718	ILMN_2640203	0	0
22088	Tsg101	0.165	-0.030	-0.181	0	0	0	0	0	0	NM_021884	tumor susceptibility gene 101 (Tsg101), mRNA.	Mme-M300001293	ILMN_2452237	0	0
211484	Tsga10	0.138	0.047	-0.043	0	0	0	0	0	0	NM_207228	testis specific 10 (Tsga10), mRNA.	Mme-M400007283	ILMN_2501276	0	0
78306	Tsga10ip	-0.218	-0.041	-0.085	0	0	0	0	0	0	XR_031843	PREDICTED: testis specific 10 interacting protein (Tsga10ip), misc RNA.	Mme-M300012102	ILMN_1217313	0	0
116732	Tsga13	0.099	0.068	-0.005	0	0	0	0	0	0	NM_054073	testis specific gene A13 (Tsga13), mRNA.	Mme-M200013151	ILMN_1225140	0	0
22094	Tshb	0.238	-0.031	-0.655	0	0	-1	0	0	-1	NM_009432	thyroid stimulating hormone, beta subunit (Tshb), mRNA.	Mme-M200001550	ILMN_1215013	0	1
22095	Tshr	0.087	0.013	0.043	0	0	0	0	0	0	NM_011648	thyroid stimulating hormone receptor (Tshr), transcript variant 1, mRNA.	Mme-M200001652	ILMN_2416928	0	0
228911	Tshz2	0.005	-0.155	0.013	0	0	0	0	0	0	NM_080455	teashirt zinc finger family member 2 (Tshz2), mRNA.	Mme-M400013906	ILMN_1249039	0	0
243931	Tshz3	0.171	0.047	0.034	0	0	0	0	0	0	NM_172298	teashirt zinc finger family member 3 (Tshz3), mRNA.	Mme-M300014749	ILMN_1253593	0	0
244152	Tsku	0.496	-0.051	0.028	0	0	0	0	0	0	NM_001024619	tsukushin (Tsku), mRNA.	Mme-M300020322	ILMN_2838564	0	0
53603	Tslp	-0.227	-0.076	-0.059	0	0	0	0	0	0	NM_021367	thymic stromal lymphopoietin (Tslp), mRNA.	Mme-M300004097	ILMN_1220169	0	0
22099	Tsn	0.179	0.088	-0.046	0	0	0	0	0	0	NM_011650	translin (Tsn), mRNA.	Mme-M200003334	ILMN_1212998	0	0
53424	Tsnax	0.257	-0.065	0.037	0	0	0	0	0	0	NM_016909	translin-associated factor X (Tsnax), mRNA.	Mme-M200002221	ILMN_1227463	0	0
72236	Tsnaxip1	0.116	0.075	-0.062	0	0	0	0	0	0	NM_024445	translin-associated factor X (Tsnax) interacting protein 1 (Tsnaxip1), mRNA.	Mme-M200014390	ILMN_1240576	0	0
66805	Tspan1	-0.606	-0.112	0.060	0	0	0	0	0	0	NM_133681	tetraspanin 1 (Tspan1), mRNA.	Mme-M200014358	ILMN_2624180	0	0
208634	Tspan10	-0.040	0.018	0.033	0	0	0	0	0	0	NM_145363	tetraspanin 10 (Tspan10), mRNA.	Mme-M200013195	ILMN_2661035	0	0
68498	Tspan11	0.116	0.091	0.255	0	0	0	0	0	0	NM_026743	tetraspanin 11 (Tspan11), mRNA.	Mme-M200011768	ILMN_2843163	0	0
269831	Tspan12	0.149	0.210	0.010	0	0	0	0	0	0	NM_173007	tetraspanin 12 (Tspan12), mRNA.	Mme-M300006804	ILMN_1249289	0	0
66109	Tspan13	0.253	-0.079	0.106	0	0	0	0	0	0	NM_025359	tetraspanin 13 (Tspan13), mRNA.	Mme-M400000395	ILMN_1231147	0	0
52588	Tspan14	-0.145	-0.015	-0.035	0	0	0	0	0	0	NM_145928	tetraspanin 14 (Tspan14), mRNA.	Mme-M300011152	ILMN_1257666	0	0
70423	Tspan15	-0.141	-0.091	0.196	0	0	0	0	0	0	NM_197996	tetraspanin 15 (Tspan15), mRNA.	Mme-M300010701	ILMN_2772821	0	0
74257	Tspan17	0.154	0.073	-0.087	0	0	0	0	0	0	NM_028841	tetraspanin 17 (Tspan17), mRNA.	Mme-M200007284	ILMN_2817714	0	0
241556	Tspan18	0.172	0.068	-0.288	0	0	0	0	0	0	NM_183180	tetraspanin 18 (Tspan18), mRNA.	Mme-M400000990	ILMN_1227699	0	0
70747	Tspan2	0.084	-0.160	0.077	0	0	0	0	0	0	NM_027533	tetraspanin 2 (Tspan2), mRNA.	Mme-M300005819	ILMN_1234698	0	0
56434	Tspan3	0.141	-0.108	0.086	0	0	0	0	0	0	NM_019793	tetraspanin 3 (Tspan3), mRNA.	Mme-M300008189	ILMN_1232099	0	0
67125	Tspan31	0.219	0.027	0.086	0	0	0	0	0	0	NM_025982	tetraspanin 31 (Tspan31), mRNA.	Mme-M300000851	ILMN_2964076	0	0
232670	Tspan33	0.020	0.147	-0.020	0	0	0	0	0	0	NM_146173	tetraspanin 33 (Tspan33), mRNA.	Mme-M200006110	ILMN_1219904	0	0
64540	Tspan4	0.064	0.097	-0.108	0	0	0	0	0	0	NM_053082	tetraspanin 4 (Tspan4), mRNA.	Mme-M200012282	ILMN_2490548	0	0
56224	Tspan5	0.136	0.087	-0.004	0	0	0	0	0	0	NM_019571	tetraspanin 5 (Tspan5), mRNA.	Mme-M200007163	ILMN_2485874	0	0
56496	Tspan6	0.066	0.295	0.091	0	0	0	0	0	0	NM_019656	tetraspanin 6 (Tspan6), mRNA.	Mme-M400011324	ILMN_2509918	0	0
21912	Tspan7	0.392	0.352	-0.181	0	0	0	0	0	0	NM_019634	tetraspanin 7 (Tspan7), mRNA.	Mme-M400009706	ILMN_2807016	0	0
216350	Tspan8	-0.018	-0.060	0.275	0	0	0	0	0	0	NM_146010	tetraspanin 8 (Tspan8), mRNA.	Mme-M300009159	ILMN_1220261	0	0
109246	Tspan9	0.136	0.055	-0.103	0	0	0	0	0	0	NM_175414	tetraspanin 9 (Tspan9), mRNA.	Mme-M400012964	ILMN_2758459	0	0
12257	Tspo	0.338	0.369	0.279	0	0	0	0	0	0	NM_009775	translocator protein (Tspo), mRNA.	Mme-M200000616	ILMN_2877069	0	0
70026	Tspo2	-0.202	0.075	-0.064	0	0	0	0	0	0	NM_027292	benzodiazapine receptor, peripheral-like 1 (Bzrpl1), mRNA.	Mme-M200004446	ILMN_2635718	0	0
22110	Tspyl1	0.167	0.151	-0.107	0	0	0	0	0	0	NM_009433	testis-specific protein, Y-encoded-like 1 (Tspyl1), mRNA.	Mme-M200003903	ILMN_2482766	0	0
52808	Tspyl2	0.203	0.028	-0.223	0	0	0	0	0	0	NM_029836	TSPY-like 2 (Tspyl2), mRNA.	Mme-M300013019	ILMN_1216663	0	0
241732	Tspyl3	-0.069	0.037	0.081	0	0	0	0	0	0	NM_198617	TSPY-like 3 (Tspyl3), mRNA.	Mme-M400005974	ILMN_2965132	0	0
72480	Tspyl4	-0.064	-0.047	-0.006	0	0	0	0	0	0	NM_030203	TSPY-like 4 (Tspyl4), mRNA.	Mme-M200004139	ILMN_1234395	0	0
239364	Tspyl5	0.022	-0.096	-0.094	0	0	0	0	0	0	NM_001085421	testis-specific protein, Y-encoded-like 5 (Tspyl5), mRNA.	Mme-M300011877	ILMN_1240676	0	0
104662	Tsr1	0.048	0.098	0.008	0	0	0	0	0	0	NM_177325	TSR1, 20S rRNA accumulation, homolog (yeast) (Tsr1), mRNA.	Mme-M400002118	ILMN_2772492	0	0
69499	Tsr2	0.230	0.128	-0.069	0	0	0	0	0	0	NM_175146	TSR2, 20S rRNA accumulation, homolog (S. cerevisiae) (Tsr2), mRNA.	Mme-M300004545	ILMN_2907115	0	0
68327	Tsr3	0.154	-0.235	-0.286	0	0	0	0	0	0	NM_026676	RIKEN cDNA 0610007P22 gene (0610007P22Rik), mRNA.	Mme-M400009031	ILMN_2634564	0	0
380752	Tssc1	0.164	0.116	-0.090	0	0	0	0	0	0	NM_201357	tumor suppressing subtransferable candidate 1 (Tssc1), mRNA.	Mme-M300010463	ILMN_2457324	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
56844	Tssc4	0.043	-0.069	0.085	0	0	0	0	0	0	NM_138631	tumor-suppressing subchromosomal transferable fragment 4 (Tssc4), transcript variant 2, mRNA.	Mme-M200009269	ILMN_2460043	0	0
22115	Tssk2	-0.310	-0.017	-0.051	0	0	0	0	0	0	NM_009436	testis-specific serine kinase 2 (Tssk2), mRNA.	Mme-M200003345	ILMN_2774950	0	0
71099	Tssk4	-0.260	0.099	-0.071	0	0	0	0	0	0	NM_029596	testis-specific serine kinase 4 (Tssk4), mRNA.	Mme-M400011616	ILMN_2630400	0	0
73542	Tssk5	-0.197	-0.019	-0.017	0	0	0	0	0	0	NM_183099	testis-specific serine kinase 5 (Tssk5), mRNA.	Mme-M300009199	ILMN_2656489	0	0
83984	Tssk6	-0.002	-0.033	-0.045	0	0	0	0	0	0	NM_032004	testis-specific serine kinase 6 (Tssk6), mRNA.	Mme-M200015268	ILMN_2650022	0	0
22117	Tst	-0.130	-0.006	-0.035	0	0	0	0	0	0	NM_009437	thiosulfate sulfurtransferase, mitochondrial (Tst), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003368	ILMN_2493175	0	0
22122	Tsta3	-0.007	-0.032	0.033	0	0	0	0	0	0	NM_031201	tissue specific transplantation antigen P35B (Tsta3), mRNA.	Mme-M200004442	ILMN_1221145	0	0
272027	Tstd2	-0.014	0.041	0.010	0	0	0	0	0	0	NM_173033	cDNA sequence BC057893 (BC057893), mRNA.	Mme-M400001815	ILMN_2738284	0	0
77032	Tstd3	-0.116	-0.008	0.001	0	0	0	0	0	0	XM_001474504	PREDICTED: RIKEN cDNA 2610029I01 gene (2610029I01Rik), mRNA.	Mme-M200015817	ILMN_2686568	0	0
22127	Tsx	-0.254	-0.045	-0.031	0	0	0	0	0	0	NM_009440	testis specific X-linked gene (Tsx), mRNA.	Mme-M200002194	ILMN_2423507	0	0
106763	Ttbk1	-0.208	-0.089	0.049	0	0	0	0	0	0	XM_001476670	PREDICTED: tau tubulin kinase 1 (Ttbk1), mRNA.	Mme-M300001429	ILMN_1219159	0	0
140810	Ttbk2	-0.339	-0.174	0.067	0	0	0	0	0	0	NM_080788	tau tubulin kinase 2 (Ttbk2), transcript variant 1, mRNA.	Mme-M300005560	ILMN_3058376	0	0
66827	Ttc1	0.002	0.166	0.040	0	0	0	0	0	0	NM_133795	tetratricopeptide repeat domain 1 (Ttc1), mRNA.	Mme-M200015054	ILMN_2464381	0	0
235330	Ttc12	-0.286	0.009	-0.134	0	0	0	0	0	0	NM_172770	tetratricopeptide repeat domain 12 (Ttc12), mRNA.	Mme-M300012561	ILMN_1240730	0	0
234875	Ttc13	-0.145	-0.005	0.014	0	0	0	0	0	0	NM_145607	tetratricopeptide repeat domain 13 (Ttc13), mRNA.	Mme-M300021713	ILMN_2473348	0	0
67120	Ttc14	0.158	-0.114	0.207	0	0	0	0	0	0	NM_027619	tetratricopeptide repeat domain 14 (Ttc14), transcript variant 1, mRNA.	Mme-M400015826	ILMN_2587005	0	0
338348	Ttc16	-0.016	-0.111	-0.066	0	0	0	0	0	0	NM_177384	tetratricopeptide repeat domain 16 (Ttc16), mRNA.	Mme-M400002218	ILMN_2471317	0	0
74569	Ttc17	-0.097	-0.146	-0.074	0	0	0	0	0	0	NM_183106	tetratricopeptide repeat domain 17 (Ttc17), mRNA.	Mme-M300005505	ILMN_2511768	0	0
72795	Ttc19	-0.092	-0.178	-0.041	0	0	0	0	0	0	NM_028360	tetratricopeptide repeat domain 19 (Ttc19), transcript variant 1, mRNA.	Mme-M200015930	ILMN_3141781	0	0
74052	Ttc21a	-0.028	-0.034	0.026	0	0	0	0	0	0	NM_028735	tetratricopeptide repeat domain 21A (Ttc21a), mRNA.	Mme-M200003527	ILMN_2761710	0	0
73668	Ttc21b	0.044	0.015	-0.068	0	0	0	0	0	0	NM_001047604	tetratricopeptide repeat domain 21B (Ttc21b), mRNA.	Mme-M300009578	ILMN_2630083	0	0
230576	Ttc22	-0.381	-0.020	-0.089	0	0	0	0	0	0	NM_177667	tetratricopeptide repeat domain 22 (Ttc22), mRNA.	Mme-M300009615	ILMN_1235331	0	0
67009	Ttc23	0.129	-0.174	0.007	0	0	0	0	0	0	NM_025905	tetratricopeptide repeat domain 23 (Ttc23), mRNA.	Mme-M200015619	ILMN_1241020	0	0
75777	Ttc23l	-0.162	-0.001	0.041	0	0	0	0	0	0	XM_897217	PREDICTED: RIKEN cDNA 4930401A09 gene, transcript variant 2 (4930401A09Rik), mRNA.	Mme-M200014652	ILMN_2747951	0	0
214191	Ttc24	-0.135	-0.205	0.108	0	0	0	0	0	0	NM_172526	tetratricopeptide repeat domain 24 (Ttc24), mRNA.	Mme-M400003767	ILMN_2931973	0	0
74407	Ttc25	0.082	0.020	-0.021	0	0	0	0	0	0	NM_028918	tetratricopeptide repeat domain 25 (Ttc25), mRNA.	Mme-M200007126	ILMN_1230909	0	0
264134	Ttc26	0.183	-0.006	-0.083	0	0	0	0	0	0	NM_153600	tetratricopeptide repeat domain 26 (Ttc26), mRNA.	Mme-M300021192	ILMN_2677233	0	0
74196	Ttc27	0.038	0.033	0.001	0	0	0	0	0	0	NM_152817	tetratricopeptide repeat domain 27 (Ttc27), mRNA.	Mme-M300003903	ILMN_1238733	0	0
209683	Ttc28	-0.225	0.000	-0.009	0	0	0	0	0	0	XM_001476544	PREDICTED: tetratricopeptide repeat domain 28 (Ttc28), mRNA.	Mme-M300008636	ILMN_1220397	0	0
73301	Ttc29	-0.088	0.019	-0.128	0	0	0	0	0	0	NM_183096	tetratricopeptide repeat domain 29 (Ttc29), mRNA.	Mme-M300010731	ILMN_2976989	0	0
22129	Ttc3	-0.157	-0.152	0.124	0	0	0	0	0	0	NM_009441	tetratricopeptide repeat domain 3 (Ttc3), mRNA.	Mme-M200001421	ILMN_1247036	0	0
67515	Ttc33	0.011	0.242	0.177	0	0	0	0	0	0	NM_026213	tetratricopeptide repeat domain 33 (Ttc33), mRNA.	Mme-M300003112	ILMN_2615628	0	0
192653	Ttc36	-0.242	-0.056	-0.005	0	0	0	0	0	0	NM_138951	cDNA sequence BC021608 (BC021608), mRNA.	Mme-M300012169	ILMN_2670057	0	0
239570	Ttc38	0.040	-0.119	-0.004	0	0	0	0	0	0	NM_001033337	expressed sequence AW124722 (AW124722), mRNA.	Mme-M300010163	ILMN_2720047	0	0
230603	Ttc39a	0.002	-0.211	-0.101	0	0	0	0	0	0	NM_153392	RIKEN cDNA 4922503N01 gene (4922503N01Rik), mRNA.	Mme-M300006156	ILMN_2939503	0	0
69863	Ttc39b	0.242	0.158	-0.149	0	0	0	0	0	0	NM_027238	RIKEN cDNA 1810054D07 gene (1810054D07Rik), mRNA.	Mme-M400013639	ILMN_2633062	0	0
72747	Ttc39c	0.077	0.059	0.137	0	0	0	0	0	0	NM_028341	RIKEN cDNA 2810439F02 gene (2810439F02Rik), mRNA.	Mme-M400000742	ILMN_1250576	0	0
67737	Ttc39d	0.036	0.053	0.060	0	0	0	0	0	0	XM_283466	PREDICTED: RIKEN cDNA 4930560E09 gene (4930560E09Rik), mRNA.	Mme-M200010026	ILMN_1232260	0	0
72354	Ttc4	0.271	0.110	0.026	0	0	0	0	0	0	NM_028209	tetratricopeptide repeat domain 4 (Ttc4), mRNA.	Mme-M200005205	ILMN_1220820	0	0
219022	Ttc5	0.126	-0.045	-0.032	0	0	0	0	0	0	NM_177625	tetratricopeptide repeat domain 5 (Ttc5), transcript variant 2, mRNA.	Mme-M400000126	ILMN_3083981	0	0
225049	Ttc7	-0.178	0.185	-0.088	0	0	0	0	0	0	NM_028639	tetratricopeptide repeat domain 7 (Ttc7), mRNA.	Mme-M300010631	ILMN_1257001	0	0
104718	Ttc7b	0.019	0.135	-0.012	0	0	0	0	0	0	XM_985528	PREDICTED: tetratricopeptide repeat domain 7B, transcript variant 5 (Ttc7b), mRNA.	Mme-M300008823	ILMN_2503715	0	0
76260	Ttc8	0.203	-0.037	0.108	0	0	0	0	0	0	NM_029553	tetratricopeptide repeat domain 8 (Ttc8), transcript variant 1, mRNA.	Mme-M200007215	ILMN_1255530	0	0
69480	Ttc9	-0.163	-0.093	0.103	0	0	0	0	0	0	NM_001033149	tetratricopeptide repeat domain 9 (Ttc9), mRNA.	Mme-M400002660	ILMN_2448678	0	0
73032	Ttc9b	0.062	-0.053	0.035	0	0	0	0	0	0	NM_028417	tetratricopeptide repeat domain 9B (Ttc9b), mRNA.	Mme-M200014027	ILMN_1237237	0	0
70387	Ttc9c	-0.261	0.071	-0.079	0	0	0	0	0	0	NM_027412	tetratricopeptide repeat domain 9C (Ttc9c), mRNA.	Mme-M400000183	ILMN_1248831	0	0
22130	Ttf1	0.054	-0.084	-0.077	0	0	0	0	0	0	NM_009442	transcription termination factor 1 (Ttf1), mRNA.	Mme-M300005293	ILMN_2499681	0	0
74044	Ttf2	-0.420	-0.108	0.165	0	0	0	0	0	0	NM_001013026	transcription termination factor, RNA polymerase II (Ttf2), mRNA.	Mme-M200015308	ILMN_3000116	0	0
75425	Tti1	0.088	0.001	0.010	0	0	0	0	0	0	NM_029282	RIKEN cDNA 2610036D13 gene (2610036D13Rik), mRNA.	Mme-M200006306	ILMN_1234604	0	0
22137	Ttk	0.190	0.028	-0.079	0	0	0	0	0	0	NM_009445	Ttk protein kinase (Ttk), transcript variant 1, mRNA.	Mme-M200000728	ILMN_2438303	0	0
69737	Ttl	-0.243	-0.060	-0.205	0	0	0	0	0	0	NM_027192	tubulin tyrosine ligase (Ttl), mRNA.	Mme-M200007443	ILMN_2490127	0	0
319953	Ttll1	0.053	-0.072	-0.160	0	0	0	0	0	0	NM_178869	tubulin tyrosine ligase-like 1 (Ttll1), mRNA.	Mme-M200015371	ILMN_1253538	0	0
330010	Ttll10	-0.465	0.072	0.081	0	0	0	0	0	0	NM_029264	tubulin tyrosine ligase-like family, member 10 (Ttll10), mRNA.	Mme-M400003090	ILMN_1217917	0	0
223723	Ttll12	-0.071	0.001	-0.056	0	0	0	0	0	0	NM_183017	tubulin tyrosine ligase-like family, member 12 (Ttll12), mRNA.	Mme-M300001535	ILMN_2660386	0	0
269954	Ttll13	-0.249	0.065	-0.064	0	0	0	0	0	0	NM_177765	tubulin tyrosine ligase-like family, member 13 (Ttll13), mRNA.	Mme-M400003036	ILMN_2676285	0	0
101100	Ttll3	0.038	-0.031	0.083	0	0	0	0	0	0	NM_133923	tubulin tyrosine ligase-like family, member 3 (Ttll3), mRNA.	Mme-M400009447	ILMN_2885900	0	0
67534	Ttll4	0.159	0.052	0.039	0	0	0	0	0	0	NM_001014974	tubulin tyrosine ligase-like family, member 4 (Ttll4), mRNA.	Mme-M300008666	ILMN_3160783	0	0
320244	Ttll5	-0.184	0.057	0.145	0	0	0	0	0	0	NM_001081423	tubulin tyrosine ligase-like family, member 5 (Ttll5), mRNA.	Mme-M300001189	ILMN_3056387	0	0
237930	Ttll6	0.133	-0.111	-0.067	0	0	0	0	0	0	NM_172799	tubulin tyrosine ligase-like family, member 6 (Ttll6), mRNA.	Mme-M300011751	ILMN_1237954	0	0
70892	Ttll7	-0.348	-0.019	-0.090	0	0	0	0	0	0	XM_991015	PREDICTED: tubulin tyrosine ligase-like family, member 7, transcript variant 2 (Ttll7), mRNA.	Mme-M200015634	ILMN_1220239	0	0
239591	Ttll8	-0.279	-0.009	-0.112	0	0	0	0	0	0	NM_172818	tubulin tyrosine ligase-like family, member 8 (Ttll8), mRNA.	Mme-M300003254	ILMN_2623434	0	0
74711	Ttll9	0.074	-0.088	-0.090	0	0	0	0	0	0	NM_029064	tubulin tyrosine ligase-like family, member 9 (Ttll9), transcript variant 2, mRNA.	Mme-M200012599	ILMN_2721452	0	0
22138	Ttn	2.653	0.266	-0.564	1	0	-1	1	0	-1	NM_028004	titin (Ttn), transcript variant N2-B, mRNA.	Mme-M200014444	ILMN_3128792	1	1
50500	Ttpa	0.156	-0.031	0.007	0	0	0	0	0	0	NM_015767	tocopherol (alpha) transfer protein (Ttpa), mRNA.	Mme-M200004875	ILMN_2470983	0	0
76080	Ttpal	-0.064	0.119	-0.115	0	0	0	0	0	0	NM_181734	RIKEN cDNA 5830472M02 gene (5830472M02Rik), transcript variant 2, mRNA.	Mme-M200016020	ILMN_2722769	0	0
22139	Ttr	1.077	-0.193	-2.017	1	0	-1	1	0	-1	NM_013697	transthyretin (Ttr), mRNA.	Mme-M200000802	ILMN_2443330	1	1
57776	Ttyh1	-0.062	0.071	0.141	0	0	0	0	0	0	NM_001109765	tweety homolog 1 (Drosophila) (Ttyh1), transcript variant 3, mRNA.	Mme-M200006621	ILMN_1259933	0	0
117160	Ttyh2	-0.199	0.082	0.027	0	0	0	0	0	0	NM_053273	tweety homolog 2 (Drosophila) (Ttyh2), mRNA.	Mme-M200013770	ILMN_2491859	0	0
78339	Ttyh3	-0.034	0.456	0.150	0	1	0	0	0	0	NM_175274	tweety homolog 3 (Drosophila) (Ttyh3), mRNA.	Mme-M300010440	ILMN_1221311	0	0
22141	Tub	-0.488	-0.018	-0.024	0	0	0	0	0	0	NM_021885	tubby candidate gene (Tub), mRNA.	Mme-M400001329	ILMN_1220143	0	0
22142	Tuba1a	0.139	0.071	0.142	0	0	0	0	0	0	NM_011653	tubulin, alpha 1A (Tuba1a), mRNA.	Mme-M400002888	ILMN_2494251	0	0
22143	Tuba1b	0.025	-0.010	-0.008	0	0	0	0	0	0	NM_011654	tubulin, alpha 1B (Tuba1b), mRNA.	Mme-M300015433	ILMN_2986393	0	0
22146	Tuba1c	0.419	-0.151	0.005	0	0	0	0	0	0	NM_009448	tubulin, alpha 1C (Tuba1c), mRNA.	Mme-M300014179	ILMN_2476139	0	0
22144	Tuba3a	-0.125	0.202	0.107	0	0	0	0	0	0	NM_009446	tubulin, alpha 3A (Tuba3a), mRNA.	Mme-M400010935	ILMN_2467287	0	0
22147	Tuba3b	0.126	0.051	0.072	0	0	0	0	0	0	NM_009449	tubulin, alpha 3B (Tuba3b), mRNA.	Mme-M400005152	ILMN_2417813	0	0
22145	Tuba4a	0.037	0.062	-0.227	0	0	0	0	0	0	NM_009447	tubulin, alpha 4A (Tuba4a), mRNA.	Mme-M200000418	ILMN_2517170	0	0
53857	Tuba8	0.700	0.424	-0.119	1	1	0	0	0	0	NM_017379	tubulin, alpha 8 (Tuba8), mRNA.	Mme-M200007285	ILMN_2487308	0	0
238463	Tubal3	-0.023	0.026	-0.005	0	0	0	0	0	0	NM_001033879	tubulin, alpha-like 3 (Tubal3), mRNA.	Mme-M400000448	ILMN_1244458	0	0
545486	Tubb1	-0.080	-0.118	-0.098	0	0	0	0	0	0	NM_001080971	tubulin, beta 1 (Tubb1), mRNA.	Mme-M400000249	ILMN_1243113	0	0
22151	Tubb2a	0.034	-0.090	-0.036	0	0	0	0	0	0	NM_009450	tubulin, beta 2a (Tubb2a), mRNA.	Mme-M400006439	ILMN_2485044	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
73710	Tubb2b	0.226	0.183	-0.214	0	0	0	0	0	0	NM_023716	tubulin, beta 2b (Tubb2b), mRNA.	Mme-M200012963	ILMN_2825574	0	0
22152	Tubb3	-0.078	-0.071	-0.063	0	0	0	0	0	0	NM_023279	tubulin, beta 3 (Tubb3), mRNA.	Mme-M200008247	ILMN_1252657	0	0
22153	Tubb4a	-0.129	0.413	-0.120	0	0	0	0	0	0	NM_009451	tubulin, beta 4 (Tubb4), mRNA.	Mme-M300004001	ILMN_1236175	0	0
227613	Tubb4b	-0.060	-0.006	0.034	0	0	0	0	0	0	NM_146116	tubulin, beta 2c (Tubb2c), mRNA.	Mme-M300010521	ILMN_2702061	0	0
22154	Tubb5	0.034	-0.109	-0.071	0	0	0	0	0	0	NM_011655	tubulin, beta 5 (Tubb5), mRNA.	Mme-M300000203	ILMN_1227164	0	0
67951	Tubb6	0.267	0.022	0.082	0	0	0	0	0	0	NM_026473	tubulin, beta 6 (Tubb6), mRNA.	Mme-M200012034	ILMN_2718217	0	0
56427	Tubd1	-0.104	-0.129	-0.165	0	0	0	0	0	0	NM_019756	tubulin, delta 1 (Tubd1), mRNA.	Mme-M200009973	ILMN_2464061	0	0
71924	Tube1	0.118	0.015	-0.016	0	0	0	0	0	0	NM_028006	epsilon-tubulin 1 (Tube1), mRNA.	Mme-M200007730	ILMN_3161813	0	0
103733	Tubg1	0.178	0.001	-0.211	0	0	0	0	0	0	NM_134024	tubulin, gamma 1 (Tubg1), mRNA.	Mme-M400001765	ILMN_2420070	0	0
103768	Tubg2	-0.019	0.039	-0.084	0	0	0	0	0	0	NM_134028	tubulin, gamma 2 (Tubg2), mRNA.	Mme-M300015987	ILMN_1249684	0	0
74237	Tubgcp2	0.084	0.127	0.011	0	0	0	0	0	0	NM_133755	tubulin, gamma complex associated protein 2 (Tubgcp2), mRNA.	Mme-M200008327	ILMN_2512216	0	0
259279	Tubgcp3	0.148	-0.101	0.144	0	0	0	0	0	0	NM_198031	tubulin, gamma complex associated protein 3 (Tubgcp3), mRNA.	Mme-M300000113	ILMN_2489340	0	0
51885	Tubgcp4	-0.047	0.012	-0.008	0	0	0	0	0	0	NM_153387	tubulin, gamma complex associated protein 4 (Tubgcp4), mRNA.	Mme-M300005544	ILMN_1257622	0	0
233276	Tubgcp5	0.104	0.044	0.153	0	0	0	0	0	0	NM_146190	tubulin, gamma complex associated protein 5 (Tubgcp5), mRNA.	Mme-M300008952	ILMN_2928987	0	0
233870	Tufm	0.109	0.167	-0.086	0	0	0	0	0	0	NM_172745	Tu translation elongation factor, mitochondrial (Tufm), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300007389	ILMN_2462448	0	0
22156	Tuft1	0.093	-0.180	-0.076	0	0	0	0	0	0	NM_011656	tuftelin 1 (Tuft1), mRNA.	Mme-M400000118	ILMN_2419185	0	0
544752	Tug1	0.144	0.072	0.198	0	0	0	0	0	0	NR_002321	taurine upregulated gene 1 (Tug1) on chromosome 11.	Mme-M400005551	ILMN_1244303	0	0
22157	Tulp1	-0.103	0.083	0.081	0	0	0	0	0	0	NM_021478	tubby like protein 1 (Tulp1), mRNA.	Mme-M400002013	ILMN_3003476	0	0
56734	Tulp2	0.114	-0.083	0.065	0	0	0	0	0	0	NM_008807	tubby-like protein 2 (Tulp2), transcript variant 1, mRNA.	Mme-M200009163	ILMN_1254263	0	0
22158	Tulp3	-0.240	0.171	-0.109	0	0	0	0	0	0	NM_011657	tubby-like protein 3 (Tulp3), mRNA.	Mme-M300000202	ILMN_2462332	0	0
68842	Tulp4	0.024	-0.062	0.038	0	0	0	0	0	0	NM_001103181	tubby like protein 4 (Tulp4), transcript variant 2, mRNA.	Mme-M200005908	ILMN_1252283	0	0
69136	Tusc1	0.011	-0.247	0.112	0	0	0	0	0	0	NM_026954	tumor suppressor candidate 1 (Tusc1), mRNA.	Mme-M400004668	ILMN_1217068	0	0
80385	Tusc2	-0.162	0.049	0.033	0	0	0	0	0	0	NM_019742	tumor suppressor candidate 2 (Tusc2), mRNA.	Mme-M200004203	ILMN_2834451	0	0
237858	Tusc5	-0.289	-0.212	0.060	0	0	0	0	0	0	NM_177709	tumor suppressor candidate 5 (Tusc5), mRNA.	Mme-M300017189	ILMN_2831768	0	0
70044	Tut1	-0.132	-0.033	-0.140	0	0	0	0	0	0	NM_197993	terminal uridylyl transferase 1, U6 snRNA-specific (Tut1), mRNA.	Mme-M300011792	ILMN_1232593	0	0
383103	Tvp23a	0.063	0.338	0.055	0	0	0	0	0	0	NM_001013778	cDNA sequence BC068110 (BC068110), mRNA.	Mme-M300021569	ILMN_1220217	0	0
67510	Tvp23b	0.347	-0.015	0.012	0	0	0	0	0	0	NM_026210	RIKEN cDNA 1810036I24 gene (1810036I24Rik), mRNA.	Mme-M300001264	ILMN_2665943	0	0
19230	Twf1	0.156	-0.061	-0.001	0	0	0	0	0	0	NM_008971	twinfilin, actin-binding protein, homolog 1 (Drosophila) (Twf1), mRNA.	Mme-M300003298	ILMN_2763748	0	0
23999	Twf2	0.089	0.414	-0.039	0	0	0	0	0	0	NM_011876	twinfilin, actin-binding protein, homolog 2 (Drosophila) (Twf2), mRNA.	Mme-M200004232	ILMN_1234388	0	0
22160	Twist1	0.195	-0.116	0.053	0	0	0	0	0	0	NM_011658	twist gene homolog 1 (Drosophila) (Twist1), mRNA.	Mme-M200001267	ILMN_1236188	0	0
13345	Twist2	-0.082	-0.198	-0.021	0	0	0	0	0	0	NM_007855	twist homolog 2 (Drosophila) (Twist2), mRNA.	Mme-M200002795	ILMN_1230558	0	0
28071	Twistnb	0.263	0.078	-0.107	0	0	0	0	0	0	NM_172253	TWIST neighbor (Twistnb), mRNA.	Mme-M400012216	ILMN_1231779	0	0
65960	Twsg1	0.289	-0.265	-0.066	0	0	0	0	0	0	NM_023053	twisted gastrulation homolog 1 (Drosophila) (Twsg1), mRNA.	Mme-M200002883	ILMN_1235253	0	0
22165	Txk	0.117	0.099	-0.007	0	0	0	0	0	0	NM_013698	TXK tyrosine kinase (Txk), transcript variant 2, mRNA.	Mme-M400004970	ILMN_2459924	0	0
109658	Txlna	-0.272	0.087	-0.098	0	0	0	0	0	0	NM_001005506	taxilin alpha (Txlna), mRNA.	Mme-M300012849	ILMN_1218078	0	0
378431	Txlnb	-0.027	0.334	-0.086	0	0	0	0	0	0	NM_138628	taxilin beta (Txlnb), mRNA.	Mme-M200007329	ILMN_2886610	0	0
353170	Txlng	0.171	-0.153	-0.067	0	0	0	0	0	0	NM_178935	RIKEN cDNA 4932441K18 gene (4932441K18Rik), mRNA.	Mme-M300012887	ILMN_1226041	0	0
22166	Txn1	0.170	-0.095	0.079	0	0	0	0	0	0	NM_011660	thioredoxin 1 (Txn1), mRNA.	Mme-M300006061	ILMN_3009572	0	0
56551	Txn2	0.417	0.158	-0.035	0	0	0	0	0	0	NM_019913	thioredoxin 2 (Txn2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001385	ILMN_1257624	0	0
106200	Txndc11	0.118	-0.120	-0.071	0	0	0	0	0	0	NM_029582	thioredoxin domain containing 11 (Txndc11), transcript variant 1, mRNA.	Mme-M300003318	ILMN_2588663	0	0
66073	Txndc12	0.069	-0.026	0.131	0	0	0	0	0	0	NM_025334	thioredoxin domain containing 12 (endoplasmic reticulum) (Txndc12), mRNA.	Mme-M200007051	ILMN_1255473	0	0
69672	Txndc15	0.235	-0.090	0.147	0	0	0	0	0	0	NM_175150	thioredoxin domain containing 15 (Txndc15), mRNA.	Mme-M200007027	ILMN_2655250	0	0
70561	Txndc16	0.171	0.072	-0.046	0	0	0	0	0	0	NM_172597	thioredoxin domain containing 16 (Txndc16), mRNA.	Mme-M300002970	ILMN_2721837	0	0
52700	Txndc17	0.002	0.039	-0.071	0	0	0	0	0	0	NM_026559	thioredoxin domain containing 17 (Txndc17), mRNA.	Mme-M200005648	ILMN_1259178	0	0
213272	Txndc2	-0.089	0.038	-0.089	0	0	0	0	0	0	NM_153519	thioredoxin domain containing 2 (spermatozoa) (Txndc2), mRNA.	Mme-M300021302	ILMN_1242281	0	0
105245	Txndc5	0.160	-0.078	-0.128	0	0	0	0	0	0	NM_145367	thioredoxin domain containing 5 (Txndc5), mRNA.	Mme-M200006094	ILMN_1250947	0	0
67402	Txndc8	-0.016	0.060	-0.002	0	0	0	0	0	0	NM_026132	thioredoxin domain containing 8 (Txndc8), mRNA.	Mme-M200015843	ILMN_2460188	0	0
98258	Txndc9	0.155	0.000	0.104	0	0	0	0	0	0	NM_172054	thioredoxin domain containing 9 (Txndc9), mRNA.	Mme-M400006328	ILMN_1255365	0	0
56338	Txnip	0.580	0.125	-0.115	0	0	0	0	0	0	NM_023719	thioredoxin interacting protein (Txnip), transcript variant 2, mRNA.	Mme-M200015455	ILMN_3112873	0	0
27366	Txnl4a	0.175	0.144	-0.085	0	0	0	0	0	0	NM_001042408	thioredoxin-like 4A (Txnl4a), transcript variant 4, mRNA.	Mme-M200016086	ILMN_2634749	0	0
234723	Txnl4b	-0.127	-0.282	-0.086	0	0	0	0	0	0	NM_175646	thioredoxin-like 4B (Txnl4b), mRNA.	Mme-M300007862	ILMN_1257251	0	0
50493	Txnrd1	0.276	-0.095	0.095	0	0	0	0	0	0	NM_015762	thioredoxin reductase 1 (Txnrd1), transcript variant 3, mRNA.	Mme-M200014108	ILMN_2484465	0	0
26462	Txnrd2	0.213	0.025	-0.118	0	0	0	0	0	0	NM_013711	thioredoxin reductase 2 (Txnrd2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200016090	ILMN_1231952	0	0
232223	Txnrd3	-0.241	-0.098	-0.052	0	0	0	0	0	0	NM_153162	thioredoxin reductase 3 (Txnrd3), mRNA.	Mme-M300000121	ILMN_2453086	0	0
54721	Tyk2	0.106	0.180	0.114	0	0	0	0	0	0	NM_018793	tyrosine kinase 2 (Tyk2), mRNA.	Mme-M400001433	ILMN_2848018	0	0
22171	Tyms	0.043	0.281	-0.130	0	0	0	0	0	0	NM_021288	thymidylate synthase (Tyms), mRNA.	Mme-M200002275	ILMN_2441899	0	0
22173	Tyr	-0.267	-0.002	-0.100	0	0	0	0	0	0	NM_011661	tyrosinase (Tyr), mRNA.	Mme-M200000535	ILMN_2522236	0	0
22174	Tyro3	0.072	0.167	0.092	0	0	0	0	0	0	NM_019392	TYRO3 protein tyrosine kinase 3 (Tyro3), mRNA.	Mme-M400011301	ILMN_2449917	0	0
22177	Tyrobp	0.204	0.399	0.229	0	0	0	0	0	0	NM_011662	TYRO protein tyrosine kinase binding protein (Tyrobp), mRNA.	Mme-M200014463	ILMN_2867147	0	0
22178	Tyrp1	-0.350	-0.397	-0.137	0	0	0	0	0	0	NM_031202	tyrosinase-related protein 1 (Tyrp1), mRNA.	Mme-M200006955	ILMN_1244305	0	0
71767	Tysnd1	0.228	-0.260	-0.023	0	0	0	0	0	0	XM_125636	PREDICTED: trypsin domain containing 1, transcript variant 1 (Tysnd1), mRNA.	Mme-M200005434	ILMN_1237212	0	0
100929	Tyw1	0.288	0.057	0.048	0	0	0	0	0	0	NM_001015876	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae) (Tyw1), transcript variant 1, mRNA.	Mme-M300009127	ILMN_2491410	0	0
209584	Tyw3	0.230	-0.117	0.100	0	0	0	0	0	0	NM_172474	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae) (Tyw3), mRNA.	Mme-M300018426	ILMN_2759004	0	0
68736	Tyw5	0.160	-0.032	-0.027	0	0	0	0	0	0	NM_001037742	RIKEN cDNA 1110034B05 gene (1110034B05Rik), transcript variant 1, mRNA.	Mme-M300019290	ILMN_1250467	0	0
108121	U2af1	0.244	0.045	-0.072	0	0	0	0	0	0	NM_024187	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 1 (U2af1), mRNA.	Mme-M400009041	ILMN_1225725	0	0
233073	U2af1l4	0.164	-0.006	-0.129	0	0	0	0	0	0	NM_170760	U2 small nuclear RNA auxiliary factor 1-like 4 (U2af1l4), mRNA.	Mme-M400012211	ILMN_3160302	0	0
22185	U2af2	0.023	0.145	-0.093	0	0	0	0	0	0	NM_133671	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 2 (U2af2), mRNA.	Mme-M400001275	ILMN_2496310	0	0
67958	U2surp	0.116	-0.139	0.417	0	0	1	0	0	1	NM_026476	RIKEN cDNA 2610101N10 gene (2610101N10Rik), transcript variant 2, mRNA.	Mme-M400001462	ILMN_2719131	1	0
72565	Uaca	-0.068	-0.111	0.006	0	0	0	0	0	0	NM_028283	uveal autoantigen with coiled-coil domains and ankyrin repeats (Uaca), mRNA.	Mme-M300009379	ILMN_2492716	0	0
107652	Uap1	0.125	-0.024	0.016	0	0	0	0	0	0	NM_133806	UDP-N-acetylglucosamine pyrophosphorylase 1 (Uap1), mRNA.	Mme-M400000954	ILMN_2502542	0	0
227620	Uap1l1	0.089	-0.199	-0.061	0	0	0	0	0	0	NM_001033293	UDP-N-acteylglucosamine pyrophosphorylase 1-like 1 (Uap1l1), mRNA.	Mme-M300005404	ILMN_2467800	0	0
22201	Uba1	0.000	0.317	-0.099	0	0	0	0	0	0	NM_009457	ubiquitin-like modifier activating enzyme 1 (Uba1), mRNA.	Mme-M200000399	ILMN_2430374	0	0
22202	Uba1y	-0.241	0.172	-0.004	0	0	0	0	0	0	NM_011667	ubiquitin-activating enzyme E1, Chr Y 1 (Ube1y1), mRNA.	Mme-M400011159	ILMN_2487781	0	0
50995	Uba2	0.263	0.083	0.032	0	0	0	0	0	0	NM_016682	ubiquitin-like modifier activating enzyme 2 (Uba2), mRNA.	Mme-M400004302	ILMN_3160787	0	0
22200	Uba3	0.084	0.140	0.090	0	0	0	0	0	0	NM_001111106	ubiquitin-like modifier activating enzyme 3 (Uba3), transcript variant 2, mRNA.	Mme-M200003173	ILMN_2879517	0	0
66663	Uba5	0.208	0.022	0.121	0	0	0	0	0	0	NM_025692	ubiquitin-like modifier activating enzyme 5 (Uba5), mRNA.	Mme-M200003293	ILMN_1216388	0	0
231380	Uba6	0.099	-0.005	0.166	0	0	0	0	0	0	NM_172712	ubiquitin-like modifier activating enzyme 6 (Uba6), mRNA.	Mme-M400001858	ILMN_1257331	0	0
74153	Uba7	0.442	0.477	0.360	0	1	1	0	0	0	NM_023738	ubiquitin-activating enzyme E1-like (Ube1l), mRNA.	Mme-M400011444	ILMN_1230019	0	0
98766	Ubac1	-0.053	0.054	-0.126	0	0	0	0	0	0	NM_133835	ubiquitin associated domain containing 1 (Ubac1), mRNA.	Mme-M200012928	ILMN_2431046	0	0
68889	Ubac2	0.128	-0.083	-0.036	0	0	0	0	0	0	NM_026861	ubiquitin associated domain containing 2 (Ubac2), mRNA.	Mme-M200007527	ILMN_2949605	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
207740	Ubald1	-0.067	0.128	-0.042	0	0	0	0	0	0	XM_622593	PREDICTED: RIKEN cDNA 1500031H01 gene (1500031H01Rik), mRNA.	Mme-M300012239	ILMN_2719431	0	0
319370	Ubald2	0.364	-0.048	-0.088	0	0	0	0	0	0	NM_176902	RIKEN cDNA 1110014K08 gene (1110014K08Rik), mRNA.	Mme-M400003717	ILMN_1247665	0	0
67123	Ubap1	0.044	0.129	-0.081	0	0	0	0	0	0	NM_023305	ubiquitin-associated protein 1 (Ubap1), mRNA.	Mme-M300006089	ILMN_2458274	0	0
68926	Ubap2	-0.397	-0.093	-0.124	0	0	0	0	0	0	NM_026872	ubiquitin-associated protein 2 (Ubap2), mRNA.	Mme-M200013768	ILMN_2491654	0	0
74383	Ubap2l	0.035	0.041	-0.218	0	0	0	0	0	0	NM_153489	ubiquitin associated protein 2-like (Ubap2l), transcript variant 2, mRNA.	Mme-M300013745	ILMN_3153869	0	0
328795	Ubash3a	0.024	0.132	0.078	0	0	0	0	0	0	NM_177823	ubiquitin associated and SH3 domain containing, A (Ubash3a), mRNA.	Mme-M300013639	ILMN_2456730	0	0
72828	Ubash3b	-0.119	-0.105	0.051	0	0	0	0	0	0	NM_176860	ubiquitin associated and SH3 domain containing, B (Ubash3b), mRNA.	Mme-M200009147	ILMN_2760810	0	0
22187	Ubb	-0.098	-0.023	-0.069	0	0	0	0	0	0	NM_011664	ubiquitin B (Ubb), mRNA.	Mme-M400000325	ILMN_3157823	0	0
22190	Ubc	0.224	-0.124	-0.148	0	0	0	0	0	0	NM_019639	ubiquitin C (Ubc), mRNA.	Mme-M300011228	ILMN_1220172	0	0
24108	Ubd	0.518	1.258	0.577	0	1	1	0	1	1	NM_023137	ubiquitin D (Ubd), mRNA.	Mme-M200009290	ILMN_2426853	2	0
22209	Ube2a	0.083	0.148	0.171	0	0	0	0	0	0	NM_019668	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae) (Ube2a), mRNA.	Mme-M200005594	ILMN_2476804	0	0
22210	Ube2b	0.123	0.146	-0.069	0	0	0	0	0	0	NM_009458	ubiquitin-conjugating enzyme E2B, RAD6 homology (S. cerevisiae) (Ube2b), mRNA.	Mme-M300002162	ILMN_2451360	0	0
68612	Ube2c	-0.430	0.080	-0.044	0	0	0	0	0	0	NM_026785	ubiquitin-conjugating enzyme E2C (Ube2c), mRNA.	Mme-M300000188	ILMN_1229321	0	0
70348	Ube2cbp	0.170	-0.041	-0.038	0	0	0	0	0	0	NM_027394	ubiquitin-conjugating enzyme E2C binding protein (Ube2cbp), mRNA.	Mme-M200014755	ILMN_2701304	0	0
216080	Ube2d1	0.081	0.046	0.029	0	0	0	0	0	0	NM_145420	ubiquitin-conjugating enzyme E2D 1, UBC4/5 homolog (yeast) (Ube2d1), mRNA.	Mme-M200007249	ILMN_2435025	0	0
56550	Ube2d2a	-0.062	-0.023	0.016	0	0	0	0	0	0	NM_019912	ubiquitin-conjugating enzyme E2D 2 (Ube2d2), mRNA.	Mme-M300010209	ILMN_1215117	0	0
73318	Ube2d2b	-0.023	-0.040	0.069	0	0	0	0	0	0	NR_003639	RIKEN cDNA 1700013N18 gene (1700013N18Rik) on chromosome 5.	Mme-M200014298	ILMN_2660924	0	0
66105	Ube2d3	0.333	0.160	0.076	0	0	0	0	0	0	NM_025356	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) (Ube2d3), mRNA.	Mme-M400012692	ILMN_2443725	0	0
237009	Ube2dnl1	-0.386	0.106	-0.044	0	0	0	0	0	0	NR_003645	predicted gene, EG237009 (EG237009) on chromosome X.	Mme-M400003689	ILMN_2779647	0	0
75097	Ube2dnl2	-0.033	0.011	-0.036	0	0	0	0	0	0	NM_001081661	RIKEN cDNA 4930524E20 gene (4930524E20Rik), mRNA.	Mme-M400003251	ILMN_3009928	0	0
22194	Ube2e1	0.085	-0.046	0.175	0	0	0	0	0	0	NM_009455	ubiquitin-conjugating enzyme E2E 1, UBC4/5 homolog (yeast) (Ube2e1), mRNA.	Mme-M200001740	ILMN_1238326	0	0
218793	Ube2e2	0.042	-0.112	0.133	0	0	0	0	0	0	NM_144839	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast) (Ube2e2), mRNA.	Mme-M400006282	ILMN_2792485	0	0
22193	Ube2e3	0.252	-0.189	-0.085	0	0	0	0	0	0	NM_009454	ubiquitin-conjugating enzyme E2E 3, UBC4/5 homolog (yeast) (Ube2e3), mRNA.	Mme-M200000608	ILMN_2512043	0	0
67921	Ube2f	0.186	0.153	0.087	0	0	0	0	0	0	NM_026454	ubiquitin-conjugating enzyme E2F (putative) (Ube2f), mRNA.	Mme-M300009299	ILMN_2614522	0	0
67128	Ube2g1	-0.103	0.038	0.096	0	0	0	0	0	0	NM_025985	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) (Ube2g1), mRNA.	Mme-M200003617	ILMN_2482026	0	0
22213	Ube2g2	0.258	0.089	-0.176	0	0	0	0	0	0	NM_019803	ubiquitin-conjugating enzyme E2G 2 (Ube2g2), mRNA.	Mme-M300001030	ILMN_2521109	0	0
22214	Ube2h	0.141	-0.170	-0.045	0	0	0	0	0	0	NM_009459	ubiquitin-conjugating enzyme E2H (Ube2h), mRNA.	Mme-M300011994	ILMN_2451036	0	0
22196	Ube2i	0.128	0.068	-0.095	0	0	0	0	0	0	NM_011665	ubiquitin-conjugating enzyme E2I (Ube2i), mRNA.	Mme-M200001263	ILMN_2786360	0	0
56228	Ube2j1	0.129	-0.009	0.128	0	0	0	0	0	0	NM_019586	ubiquitin-conjugating enzyme E2, J1 (Ube2j1), mRNA.	Mme-M400012989	ILMN_1254000	0	0
140499	Ube2j2	-0.116	-0.242	0.069	0	0	0	0	0	0	NM_021402	ubiquitin-conjugating enzyme E2, J2 homolog (yeast) (Ube2j2), transcript variant 1, mRNA.	Mme-M300003714	ILMN_2494397	0	0
53323	Ube2k	0.053	-0.069	-0.104	0	0	0	0	0	0	NM_016786	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast) (Ube2k), mRNA.	Mme-M200002856	ILMN_1258782	0	0
22195	Ube2l3	0.107	0.149	-0.119	0	0	0	0	0	0	NM_009456	ubiquitin-conjugating enzyme E2L 3 (Ube2l3), mRNA.	Mme-M400006792	ILMN_2475727	0	0
56791	Ube2l6	0.319	0.629	0.239	0	1	0	0	1	0	NM_019949	ubiquitin-conjugating enzyme E2L 6 (Ube2l6), mRNA.	Mme-M400011348	ILMN_2431619	1	0
22192	Ube2m	-0.003	-0.143	-0.219	0	0	0	0	0	0	NM_145578	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast) (Ube2m), mRNA.	Mme-M200012708	ILMN_2462202	0	0
93765	Ube2n	0.159	0.383	0.170	0	0	0	0	0	0	NM_080560	ubiquitin-conjugating enzyme E2N (Ube2n), mRNA.	Mme-M200006909	ILMN_2512541	0	0
217342	Ube2o	-0.315	-0.126	0.083	0	0	0	0	0	0	NM_173755	ubiquitin-conjugating enzyme E2O (Ube2o), mRNA.	Mme-M300002396	ILMN_1245815	0	0
70093	Ube2q1	0.052	-0.266	-0.060	0	0	0	0	0	0	NM_027315	ubiquitin-conjugating enzyme E2Q (putative) 1 (Ube2q1), mRNA.	Mme-M200013593	ILMN_2520380	0	0
109161	Ube2q2	-0.560	-0.281	0.207	0	0	0	0	0	0	NM_180600	ubiquitin-conjugating enzyme E2Q (putative) 2 (Ube2q2), mRNA.	Mme-M400002876	ILMN_2749911	0	0
67615	Ube2r2	0.079	-0.028	-0.054	0	0	0	0	0	0	NM_026275	ubiquitin-conjugating enzyme E2R 2 (Ube2r2), mRNA.	Mme-M200006933	ILMN_1231854	0	0
77891	Ube2s	-0.077	-0.207	-0.011	0	0	0	0	0	0	NM_133777	ubiquitin-conjugating enzyme E2S (Ube2s), mRNA.	Mme-M200004404	ILMN_2424399	0	0
67196	Ube2t	-0.039	-0.011	0.132	0	0	0	0	0	0	NM_026024	ubiquitin-conjugating enzyme E2T (putative) (Ube2t), mRNA.	Mme-M200002369	ILMN_2704919	0	0
66589	Ube2v1	0.111	0.286	0.208	0	0	0	0	0	0	NM_023230	ubiquitin-conjugating enzyme E2 variant 1 (Ube2v1), mRNA.	Mme-M200004461	ILMN_2529252	0	0
70620	Ube2v2	-0.023	0.083	-0.057	0	0	0	0	0	0	NM_023585	ubiquitin-conjugating enzyme E2 variant 2 (Ube2v2), mRNA.	Mme-M200011928	ILMN_2432873	0	0
66799	Ube2w	0.098	-0.032	0.131	0	0	0	0	0	0	NM_025773	ubiquitin-conjugating enzyme E2W (putative) (Ube2w), mRNA.	Mme-M300004854	ILMN_1223645	0	0
268470	Ube2z	0.034	-0.124	0.103	0	0	0	0	0	0	NM_172300	ubiquitin-conjugating enzyme E2Z (putative) (Ube2z), mRNA.	Mme-M300001276	ILMN_1225931	0	0
22215	Ube3a	0.160	-0.056	0.067	0	0	0	0	0	0	NM_001033962	ubiquitin protein ligase E3A (Ube3a), transcript variant 3, mRNA.	Mme-M400013621	ILMN_2462128	0	0
117146	Ube3b	-0.345	0.124	-0.100	0	0	0	0	0	0	NM_054093	ubiquitin protein ligase E3B (Ube3b), mRNA.	Mme-M200006168	ILMN_2855423	0	0
100763	Ube3c	0.152	-0.043	-0.053	0	0	0	0	0	0	NM_133907	ubiquitin protein ligase E3C (Ube3c), mRNA.	Mme-M200006139	ILMN_2436772	0	0
63958	Ube4b	0.180	0.063	-0.146	0	0	0	0	0	0	NM_022022	ubiquitination factor E4B, UFD2 homolog (S. cerevisiae) (Ube4b), mRNA.	Mme-M200004179	ILMN_2935999	0	0
28018	Ubfd1	0.125	-0.143	-0.029	0	0	0	0	0	0	NM_138589	ubiquitin family domain containing 1 (Ubfd1), mRNA.	Mme-M400005550	ILMN_2777104	0	0
71707	Ubiad1	0.155	0.115	0.029	0	0	0	0	0	0	NM_027873	UbiA prenyltransferase domain containing 1 (Ubiad1), mRNA.	Mme-M200005714	ILMN_1243170	0	0
24109	Ubl3	0.144	-0.043	0.118	0	0	0	0	0	0	NM_011908	ubiquitin-like 3 (Ubl3), mRNA.	Mme-M300000227	ILMN_1225658	0	0
27643	Ubl4	0.099	0.138	-0.066	0	0	0	0	0	0	NM_145405	ubiquitin-like 4 (Ubl4), mRNA.	Mme-M300001394	ILMN_2466034	0	0
67591	Ubl4b	-0.273	-0.013	-0.051	0	0	0	0	0	0	NM_026261	ubiquitin-like 4B (Ubl4b), mRNA.	Mme-M400005335	ILMN_2741322	0	0
66177	Ubl5	0.169	0.098	0.008	0	0	0	0	0	0	NM_025401	ubiquitin-like 5 (Ubl5), mRNA.	Mme-M400011478	ILMN_2469689	0	0
69459	Ubl7	0.044	0.048	0.041	0	0	0	0	0	0	NM_027086	ubiquitin-like 7 (bone marrow stromal cell-derived) (Ubl7), transcript variant 2, mRNA.	Mme-M300008187	ILMN_2678745	0	0
79560	Ublcp1	0.195	0.082	0.071	0	0	0	0	0	0	NM_024475	ubiquitin-like domain containing CTD phosphatase 1 (Ublcp1), mRNA.	Mme-M400008749	ILMN_2675587	0	0
170644	Ubn1	0.205	0.017	-0.002	0	0	0	0	0	0	NM_026666	ubinuclein 1 (Ubn1), mRNA.	Mme-M300012199	ILMN_1214914	0	0
320538	Ubn2	0.248	0.181	0.069	0	0	0	0	0	0	NM_177185	RIKEN cDNA D130059P03 gene (D130059P03Rik), mRNA.	Mme-M300011611	ILMN_1218273	0	0
140629	Ubox5	-0.130	-0.084	-0.074	0	0	0	0	0	0	NM_080562	U box domain containing 5 (Ubox5), mRNA.	Mme-M200011202	ILMN_2733026	0	0
22221	Ubp1	0.197	-0.201	-0.006	0	0	0	0	0	0	NM_013699	upstream binding protein 1 (Ubp1), transcript variant 2, mRNA.	Mme-M200005813	ILMN_2475864	0	0
56085	Ubqln1	0.072	-0.286	0.088	0	0	0	0	0	0	NM_026842	ubiquilin 1 (Ubqln1), transcript variant 1, mRNA.	Mme-M200012054	ILMN_2495573	0	0
54609	Ubqln2	0.005	0.035	0.081	0	0	0	0	0	0	NM_018798	ubiquilin 2 (Ubqln2), mRNA.	Mme-M200016105	ILMN_2480371	0	0
244178	Ubqln3	0.028	0.054	-0.048	0	0	0	0	0	0	NM_198623	ubiquilin 3 (Ubqln3), mRNA.	Mme-M300022237	ILMN_2636663	0	0
94232	Ubqln4	0.120	0.331	-0.010	0	0	0	0	0	0	NM_033526	ubiquilin 4 (Ubqln4), mRNA.	Mme-M400011739	ILMN_2605268	0	0
244179	Ubqlnl	-0.069	-0.062	0.008	0	0	0	0	0	0	NM_198624	ubiquilin-like (Ubqlnl), mRNA.	Mme-M300022072	ILMN_1220992	0	0
224826	Ubr2	0.084	0.072	-0.036	0	0	0	0	0	0	NM_146078	ubiquitin protein ligase E3 component n-recognin 2 (Ubr2), mRNA.	Mme-M400014628	ILMN_1237752	0	0
68795	Ubr3	0.017	-0.096	0.059	0	0	0	0	0	0	NM_001081548	zinc finger protein 650 (Zfp650), transcript variant 1, mRNA.	Mme-M300018607	ILMN_2755046	0	0
69116	Ubr4	-0.115	-0.048	-0.198	0	0	0	0	0	0	XM_001479450	PREDICTED: zinc finger, UBR1 type 1, transcript variant 1 (Zubr1), mRNA.	Mme-M300006256	ILMN_1222599	0	0
70790	Ubr5	0.220	-0.065	-0.058	0	0	0	0	0	0	NM_001112721	ubiquitin protein ligase E3 component n-recognin 5 (Ubr5), transcript variant 2, mRNA.	Mme-M200002533	ILMN_1216823	0	0
66622	Ubr7	0.101	-0.145	0.142	0	0	0	0	0	0	NM_025666	RIKEN cDNA 5730410I19 gene (5730410I19Rik), mRNA.	Mme-M300013314	ILMN_2809436	0	0
226122	Ubtd1	-0.079	-0.123	-0.126	0	0	0	0	0	0	NM_145500	ubiquitin domain containing 1 (Ubtd1), mRNA.	Mme-M200004539	ILMN_2454692	0	0
327900	Ubtd2	-0.185	-0.105	-0.025	0	0	0	0	0	0	NM_173784	ubiquitin domain containing 2 (Ubtd2), mRNA.	Mme-M300015931	ILMN_2669259	0	0
21429	Ubtf	0.404	0.098	-0.131	0	0	0	0	0	0	NM_001044383	upstream binding transcription factor, RNA polymerase I (Ubtf), transcript variant 2, mRNA.	Mme-M400015115	ILMN_1255927	0	0
225896	Ubxn1	-0.062	-0.083	-0.046	0	0	0	0	0	0	NM_146093	DNA segment, Chr 19, ERATO Doi 721, expressed (D19Ertd721e), mRNA.	Mme-M200005724	ILMN_2589583	0	0
212190	Ubxn10	-0.055	0.021	-0.091	0	0	0	0	0	0	NM_178671	UBX domain containing 3 (Ubxd3), mRNA.	Mme-M400012488	ILMN_2462601	0	0
67586	Ubxn11	-0.024	0.099	-0.083	0	0	0	0	0	0	NM_026257	UBX domain containing 5 (Ubxd5), mRNA.	Mme-M200004310	ILMN_2766809	0	0
217379	Ubxn2a	0.176	-0.203	0.446	0	0	1	0	0	1	NM_145441	UBX domain containing 4 (Ubxd4), mRNA.	Mme-M200008309	ILMN_2510683	1	0
68053	Ubxn2b	0.072	0.019	0.083	0	0	0	0	0	0	NM_026534	RIKEN cDNA 3110003A22 gene (3110003A22Rik), mRNA.	Mme-M200013684	ILMN_2668828	0	0
67812	Ubxn4	0.096	-0.039	-0.085	0	0	0	0	0	0	NM_026390	UBX domain containing 2 (Ubxd2), mRNA.	Mme-M200004379	ILMN_2422153	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
66530	Ubxn6	-0.329	0.077	-0.245	0	0	0	0	0	0	NM_024432	UBX domain containing 1 (Ubxd1), mRNA.	Mme-M200005785	ILMN_1234318	0	0
224111	Ubxn7	0.066	0.062	0.018	0	0	0	0	0	0	XM_619387	PREDICTED: UBX domain containing 7 (Ubxd7), mRNA.	Mme-M300010074	ILMN_2537738	0	0
108159	Ubxn8	0.098	-0.063	0.087	0	0	0	0	0	0	NM_178648	UBX domain containing 6 (Ubxd6), mRNA.	Mme-M300001059	ILMN_2726714	0	0
22223	Uchl1	-0.185	-0.021	-0.086	0	0	0	0	0	0	NM_011670	ubiquitin carboxy-terminal hydrolase L1 (Uchl1), mRNA.	Mme-M400011160	ILMN_1225261	0	0
50933	Uchl3	-0.155	-0.167	0.168	0	0	0	0	0	0	NM_016723	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) (Uchl3), mRNA.	Mme-M400011255	ILMN_2970879	0	0
93841	Uchl4	-0.188	0.127	0.032	0	0	0	0	0	0	NM_033607	ubiquitin carboxyl-terminal esterase L4 (Uchl4), mRNA.	Mme-M400001792	ILMN_1235288	0	0
56207	Uchl5	-0.119	0.159	0.270	0	0	0	0	0	0	NM_019562	ubiquitin carboxyl-terminal esterase L5 (Uchl5), mRNA.	Mme-M200014726	ILMN_2793503	0	0
22245	Uck1	0.153	-0.152	-0.068	0	0	0	0	0	0	NM_011675	uridine-cytidine kinase 1 (Uck1), mRNA.	Mme-M200000972	ILMN_2970429	0	0
80914	Uck2	0.111	-0.296	-0.106	0	0	0	0	0	0	NM_030724	uridine-cytidine kinase 2 (Uck2), mRNA.	Mme-M200005101	ILMN_2880536	0	0
68556	Uckl1	0.236	-0.008	0.003	0	0	0	0	0	0	NM_026765	uridine-cytidine kinase 1-like 1 (Uckl1), mRNA.	Mme-M200006270	ILMN_2483348	0	0
68527	Ucma	-0.365	-0.106	0.028	0	0	0	0	0	0	NM_026754	RIKEN cDNA 1110017I16 gene (1110017I16Rik), transcript variant 1, mRNA.	Mme-M200005700	ILMN_2702839	0	0
22226	Ucn	0.114	0.006	0.083	0	0	0	0	0	0	NM_021290	urocortin (Ucn), mRNA.	Mme-M200009918	ILMN_2834808	0	0
83428	Ucn3	-0.287	0.032	-0.010	0	0	0	0	0	0	NM_031250	urocortin 3 (Ucn3), mRNA.	Mme-M300015970	ILMN_1238143	0	0
22227	Ucp1	0.109	-0.070	-0.389	0	0	-1	0	0	0	NM_009463	uncoupling protein 1 (mitochondrial, proton carrier) (Ucp1), nuclear gene encoding mitochondrial protein, mRN	Mme-M200001626	ILMN_2994373	0	0
22228	Ucp2	0.325	-0.124	-0.055	0	0	0	0	0	0	NM_011671	uncoupling protein 2 (mitochondrial, proton carrier) (Ucp2), nuclear gene encoding mitochondrial protein, mRN	Mme-M200009518	ILMN_2481182	0	0
22229	Ucp3	0.131	0.054	-0.056	0	0	0	0	0	0	NM_009464	uncoupling protein 3 (mitochondrial, proton carrier) (Ucp3), nuclear gene encoding mitochondrial protein, mRN	Mme-M200002332	ILMN_1233132	0	0
54122	Uevld	-0.034	-0.099	-0.049	0	0	0	0	0	0	NM_001040695	UEV and lactate/malate dehyrogenase domains (Uevld), mRNA.	Mme-M400002722	ILMN_3161591	0	0
66155	Ufc1	0.009	0.031	-0.020	0	0	0	0	0	0	NM_025388	ubiquitin-fold modifier conjugating enzyme 1 (Ufc1), mRNA.	Mme-M200001067	ILMN_2744693	0	0
22230	Ufd1l	0.031	-0.006	-0.020	0	0	0	0	0	0	NM_011672	ubiquitin fusion degradation 1 like (Ufd1l), mRNA.	Mme-M200000707	ILMN_2443482	0	0
67490	Ufl1	0.196	-0.088	-0.060	0	0	0	0	0	0	NM_026194	RIKEN cDNA 1810074P20 gene (1810074P20Rik), mRNA.	Mme-M200004641	ILMN_1238246	0	0
67890	Ufm1	0.198	-0.019	0.028	0	0	0	0	0	0	NM_026435	ubiquitin-fold modifier 1 (Ufm1), mRNA.	Mme-M200006228	ILMN_1229495	0	0
70240	Ufsp1	0.151	-0.129	-0.173	0	0	0	0	0	0	NM_027356	UFM1-specific peptidase 1 (Ufsp1), mRNA.	Mme-M200004229	ILMN_2605703	0	0
192169	Ufsp2	0.218	0.237	-0.124	0	0	0	0	0	0	NM_138668	UFM1-specific peptidase 2 (Ufsp2), mRNA.	Mme-M200012243	ILMN_2957898	0	0
22234	Ugcg	0.056	0.156	-0.052	0	0	0	0	0	0	NM_011673	UDP-glucose ceramide glucosyltransferase (Ugcg), mRNA.	Mme-M200003218	ILMN_2840091	0	0
22235	Ugdh	-0.211	0.075	0.008	0	0	0	0	0	0	NM_009466	UDP-glucose dehydrogenase (Ugdh), mRNA.	Mme-M200002974	ILMN_1253090	0	0
320011	Uggt1	0.006	-0.107	-0.045	0	0	0	0	0	0	NM_198899	UDP-glucose ceramide glucosyltransferase-like 1 (Ugcgl1), mRNA.	Mme-M300010942	ILMN_2417316	0	0
66435	Uggt2	0.236	-0.384	-0.161	0	0	0	0	0	0	NM_001081252	UDP-glucose ceramide glucosyltransferase-like 2 (Ugcgl2), mRNA.	Mme-M400004634	ILMN_1259760	0	0
216558	Ugp2	0.464	0.278	-0.104	0	0	0	0	0	0	NM_139297	UDP-glucose pyrophosphorylase 2 (Ugp2), mRNA.	Mme-M200006207	ILMN_1244631	0	0
394436	Ugt1a1	-0.240	-0.068	-0.048	0	0	0	0	0	0	NM_201645	UDP glucuronosyltransferase 1 family, polypeptide A1 (Ugt1a1), mRNA.	Mme-M400012614	ILMN_1228948	0	0
394430	Ugt1a10	-0.066	-0.110	0.026	0	0	0	0	0	0	NM_201641	UDP glycosyltransferase 1 family, polypeptide A10 (Ugt1a10), mRNA.	Mme-M400008659	ILMN_2474378	0	0
22236	Ugt1a2	0.060	-0.232	0.153	0	0	0	0	0	0	NM_013701	UDP glucuronosyltransferase 1 family, polypeptide A2 (Ugt1a2), mRNA.	Mme-M300005023	ILMN_1222543	0	0
394433	Ugt1a5	0.387	-0.047	0.034	0	0	0	0	0	0	NM_201643	UDP glucuronosyltransferase 1 family, polypeptide A5 (Ugt1a5), mRNA.	Mme-M400012613	ILMN_2453351	0	0
394432	Ugt1a7c	0.009	0.143	-0.025	0	0	0	0	0	0	NM_201642	UDP glucuronosyltransferase 1 family, polypeptide A7C (Ugt1a7c), mRNA.	Mme-M400008661	ILMN_1225921	0	0
394434	Ugt1a9	-0.227	0.038	0.019	0	0	0	0	0	0	NM_201644	UDP glucuronosyltransferase 1 family, polypeptide A9 (Ugt1a9), mRNA.	Mme-M400008660	ILMN_2754718	0	0
72094	Ugt2a3	-0.039	-0.123	-0.020	0	0	0	0	0	0	NM_028094	UDP glucuronosyltransferase 2 family, polypeptide A3 (Ugt2a3), mRNA.	Mme-M200005355	ILMN_2982764	0	0
71773	Ugt2b1	-0.081	-0.053	-0.087	0	0	0	0	0	0	NM_152811	UDP glucuronosyltransferase 2 family, polypeptide B1 (Ugt2b1), mRNA.	Mme-M200005337	ILMN_1228666	0	0
100727	Ugt2b34	-0.075	0.101	-0.004	0	0	0	0	0	0	NM_153598	UDP glucuronosyltransferase 2 family, polypeptide B34 (Ugt2b34), mRNA.	Mme-M300006580	ILMN_2746475	0	0
243085	Ugt2b35	-0.230	-0.020	0.029	0	0	0	0	0	0	NM_172881	UDP glucuronosyltransferase 2 family, polypeptide B35 (Ugt2b35), mRNA.	Mme-M400001852	ILMN_1236727	0	0
231396	Ugt2b36	-0.205	-0.598	-0.021	0	-1	0	0	-1	0	NM_001029867	UDP glucuronosyltransferase 2 family, polypeptide B36 (Ugt2b36), mRNA.	Mme-M400001152	ILMN_1235719	0	1
112417	Ugt2b37	-0.110	0.000	0.051	0	0	0	0	0	0	NM_053215	UDP glucuronosyltransferase 2 family, polypeptide B37 (Ugt2b37), mRNA.	Mme-M400005918	ILMN_2729134	0	0
100559	Ugt2b38	-0.041	0.129	-0.040	0	0	0	0	0	0	NM_133894	UDP glucuronosyltransferase 2 family, polypeptide B38 (Ugt2b38), mRNA.	Mme-M400007590	ILMN_2730424	0	0
22238	Ugt2b5	-0.086	0.002	0.073	0	0	0	0	0	0	NM_009467	UDP glucuronosyltransferase 2 family, polypeptide B5 (Ugt2b5), mRNA.	Mme-M400004885	ILMN_2473505	0	0
105887	Ugt3a1	-0.098	-0.053	0.074	0	0	0	0	0	0	NM_207216	UDP glycosyltransferases 3 family, polypeptide A1 (Ugt3a1), mRNA.	Mme-M300019412	ILMN_2918732	0	0
223337	Ugt3a2	-0.213	0.057	0.070	0	0	0	0	0	0	NM_144845	UDP glycosyltransferases 3 family, polypeptide A2 (Ugt3a2), mRNA.	Mme-M300003169	ILMN_2658355	0	0
22239	Ugt8a	0.028	-0.020	0.052	0	0	0	0	0	0	NM_011674	UDP galactosyltransferase 8A (Ugt8a), mRNA.	Mme-M200002184	ILMN_1239557	0	0
16589	Uhmk1	-0.291	-0.141	0.055	0	0	0	0	0	0	NM_010633	U2AF homology motif (UHM) kinase 1 (Uhmk1), mRNA.	Mme-M200014886	ILMN_1221869	0	0
18140	Uhrf1	0.108	0.359	0.469	0	0	1	0	0	1	NM_001111080	ubiquitin-like, containing PHD and RING finger domains, 1 (Uhrf1), transcript variant 4, mRNA.	Mme-M300000168	ILMN_2517041	1	0
224648	Uhrf1bp1	-0.235	0.133	0.113	0	0	0	0	0	0	NM_001080769	UHRF1 (ICBP90) binding protein 1 (Uhrf1bp1), mRNA.	Mme-M400002264	ILMN_2487847	0	0
75089	Uhrf1bp1l	0.158	-0.194	-0.057	0	0	0	0	0	0	NM_029166	UHRF1 (ICBP90) binding protein 1-like (Uhrf1bp1l), mRNA.	Mme-M200007660	ILMN_1258677	0	0
109113	Uhrf2	0.016	-0.271	0.269	0	0	0	0	0	0	NM_144873	ubiquitin-like, containing PHD and RING finger domains 2 (Uhrf2), mRNA.	Mme-M300004337	ILMN_1216405	0	0
20184	Uimc1	0.310	0.025	0.068	0	0	0	0	0	0	NM_011307	ubiquitin interaction motif containing 1 (Uimc1), mRNA.	Mme-M300004827	ILMN_2691177	0	0
77777	Ulbp1	-0.176	0.056	0.044	0	0	0	0	0	0	NM_029975	UL16 binding protein 1 (Ulbp1), mRNA.	Mme-M400008382	ILMN_1233815	0	0
22241	Ulk1	-0.214	0.198	-0.167	0	0	0	0	0	0	NM_009469	Unc-51 like kinase 1 (C. elegans) (Ulk1), mRNA.	Mme-M200007519	ILMN_2506115	0	0
29869	Ulk2	0.151	-0.113	0.065	0	0	0	0	0	0	NM_013881	Unc-51 like kinase 2 (C. elegans) (Ulk2), mRNA.	Mme-M300000605	ILMN_1244059	0	0
71742	Ulk3	0.160	-0.013	-0.058	0	0	0	0	0	0	XM_620754	PREDICTED: unc-51-like kinase 3 (C. elegans), transcript variant 1 (Ulk3), mRNA.	Mme-M200009850	ILMN_2466637	0	0
209012	Ulk4	-0.214	-0.064	-0.068	0	0	0	0	0	0	XM_001481114	PREDICTED: unc-51-like kinase 4 (C. elegans) (Ulk4), mRNA.	Mme-M200010731	ILMN_1250420	0	0
100036521	Umad1	0.169	0.111	0.068	0	0	0	0	0	0	XM_001475330	PREDICTED: hypothetical gene LOC100036521 (LOC100036521), mRNA.	Mme-M400009398	ILMN_1260397	0	0
22242	Umod	-0.115	-0.074	0.140	0	0	0	0	0	0	NM_009470	uromodulin (Umod), mRNA.	Mme-M300007511	ILMN_2819295	0	0
52020	Umodl1	0.383	-0.448	-0.124	0	-1	0	0	0	0	NM_177465	uromodulin-like 1 (Umodl1), mRNA.	Mme-M400004715	ILMN_2756615	0	0
22247	Umps	0.081	0.116	0.097	0	0	0	0	0	0	NM_009471	uridine monophosphate synthetase (Umps), mRNA.	Mme-M300003522	ILMN_2987878	0	0
22248	Unc119	-0.025	0.029	0.111	0	0	0	0	0	0	NM_011676	unc-119 homolog (C. elegans) (Unc119), mRNA.	Mme-M200005682	ILMN_2464999	0	0
106840	Unc119b	-0.142	-0.292	-0.152	0	0	0	0	0	0	NM_175352	unc-119 homolog B (C. elegans) (Unc119b), mRNA.	Mme-M300017453	ILMN_2590771	0	0
382018	Unc13a	-0.124	0.049	0.039	0	0	0	0	0	0	NM_001029873	unc-13 homolog A (C. elegans) (Unc13a), mRNA.	Mme-M400010552	ILMN_1251474	0	0
22249	Unc13b	0.095	-0.172	-0.089	0	0	0	0	0	0	NM_001081413	unc-13 homolog B (C. elegans) (Unc13b), mRNA.	Mme-M300006093	ILMN_1220360	0	0
208898	Unc13c	-0.310	-0.127	0.109	0	0	0	0	0	0	NM_001081153	unc-13 homolog C (C. elegans) (Unc13c), mRNA.	Mme-M400007707	ILMN_1221160	0	0
70450	Unc13d	0.068	0.121	0.191	0	0	0	0	0	0	NM_001009573	unc-13 homolog D (C. elegans) (Unc13d), mRNA.	Mme-M400001691	ILMN_2502798	0	0
101869	Unc45a	0.107	-0.156	-0.133	0	0	0	0	0	0	NM_133952	unc-45 homolog A (C. elegans) (Unc45a), mRNA.	Mme-M200004098	ILMN_1255175	0	0
217012	Unc45b	0.958	0.422	-0.195	1	1	0	1	0	0	NM_178680	unc-45 homolog B (C. elegans) (Unc45b), mRNA.	Mme-M400000307	ILMN_2732747	1	0
67387	Unc50	0.172	-0.049	0.050	0	0	0	0	0	0	NM_026123	unc-50 homolog (C. elegans) (Unc50), mRNA.	Mme-M200005541	ILMN_2457194	0	0
107448	Unc5a	0.603	0.065	0.029	0	0	0	0	0	0	NM_153131	unc-5 homolog A (C. elegans) (Unc5a), mRNA.	Mme-M300004825	ILMN_2511518	0	0
107449	Unc5b	0.014	-0.088	0.204	0	0	0	0	0	0	NM_029770	unc-5 homolog B (C. elegans) (Unc5b), mRNA.	Mme-M200006710	ILMN_2523316	0	0
22253	Unc5c	-0.309	0.197	-0.108	0	0	0	0	0	0	NM_009472	unc-5 homolog C (C. elegans) (Unc5c), mRNA.	Mme-M400007016	ILMN_2461665	0	0
76589	Unc5cl	-0.360	-0.002	0.044	0	0	0	0	0	0	NM_152823	unc-5 homolog C (C. elegans)-like (Unc5cl), mRNA.	Mme-M300012715	ILMN_2500245	0	0
210801	Unc5d	0.177	0.004	-0.054	0	0	0	0	0	0	NM_153135	unc-5 homolog D (C. elegans) (Unc5d), mRNA.	Mme-M400008347	ILMN_2819736	0	0
217843	Unc79	0.307	-0.006	-0.246	0	0	0	0	0	0	NM_001081017	RIKEN cDNA 9030205A07 Gene (9030205A07Rik), mRNA.	Mme-M300002614	ILMN_1222844	0	0
381058	Unc93a	-0.042	0.041	0.105	0	0	0	0	0	0	NM_199252	unc-93 homolog A (C. elegans) (Unc93a), mRNA.	Mme-M400005410	ILMN_3077758	0	0
54445	Unc93b1	-0.138	0.489	0.254	0	1	0	0	0	0	NM_019449	unc-93 homolog B1 (C. elegans) (Unc93b1), mRNA.	Mme-M200005991	ILMN_2460653	0	0
22255	Uncx	0.023	-0.279	-0.029	0	0	0	0	0	0	NM_013702	UNC homeobox (Uncx), mRNA.	Mme-M200013914	ILMN_1233941	0	0
22256	Ung	0.044	0.197	-0.131	0	0	0	0	0	0	NM_011677	uracil DNA glycosylase (Ung), transcript variant 2, mRNA.	Mme-M400001184	ILMN_3133352	0	0
217331	Unk	0.045	0.131	-0.005	0	0	0	0	0	0	NM_172569	unkempt homolog (Drosophila) (Unk), mRNA.	Mme-M200007715	ILMN_2509928	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
74154	Unkl	-0.123	0.096	-0.029	0	0	0	0	0	0	NM_028789	unkempt-like (Drosophila) (Unkl), mRNA.	Mme-M400009030	ILMN_2666134	0	0
22262	Uox	-0.322	-0.074	0.039	0	0	0	0	0	0	NM_009474	urate oxidase (Uox), mRNA.	Mme-M200003013	ILMN_2519536	0	0
103149	Upb1	-0.004	-0.160	-0.120	0	0	0	0	0	0	NM_133995	ureidopropionase, beta (Upb1), mRNA.	Mme-M200005144	ILMN_2516705	0	0
19704	Upf1	0.232	-0.048	-0.167	0	0	0	0	0	0	NM_030680	UPF1 regulator of nonsense transcripts homolog (yeast) (Upf1), transcript variant 2, mRNA.	Mme-M200009545	ILMN_2740755	0	0
326622	Upf2	0.381	-0.062	0.082	0	0	0	0	0	0	NM_001081132	UPF2 regulator of nonsense transcripts homolog (yeast) (Upf2), mRNA.	Mme-M400002223	ILMN_2470211	0	0
68134	Upf3b	0.307	0.010	0.020	0	0	0	0	0	0	NM_026573	UPF3 regulator of nonsense transcripts homolog B (yeast) (Upf3b), mRNA.	Mme-M300010438	ILMN_2494625	0	0
109637	Upk1a	0.039	-0.086	-0.053	0	0	0	0	0	0	NM_026815	uroplakin 1A (Upk1a), mRNA.	Mme-M200005126	ILMN_2907788	0	0
22268	Upk1b	-0.130	-0.033	0.300	0	0	0	0	0	0	NM_178924	uroplakin 1B (Upk1b), mRNA.	Mme-M300020187	ILMN_2936646	0	0
22269	Upk2	-0.257	0.055	-0.098	0	0	0	0	0	0	NM_009476	uroplakin 2 (Upk2), mRNA.	Mme-M200001753	ILMN_1258907	0	0
22270	Upk3a	-0.016	-0.060	-0.047	0	0	0	0	0	0	NM_023478	uroplakin 3A (Upk3a), mRNA.	Mme-M400011441	ILMN_2805051	0	0
100647	Upk3b	-0.053	-0.114	0.033	0	0	0	0	0	0	NM_175309	uroplakin 3B (Upk3b), mRNA.	Mme-M300014073	ILMN_2941714	0	0
69665	Upk3bl	-0.480	0.198	-0.031	0	0	0	0	0	0	XM_485688	PREDICTED: RIKEN cDNA 2310043J07 gene (2310043J07Rik), mRNA.	Mme-M300000754	ILMN_2684465	0	0
22271	Upp1	-0.174	0.410	0.141	0	0	0	0	0	0	NM_009477	uridine phosphorylase 1 (Upp1), mRNA.	Mme-M200001838	ILMN_2959292	0	0
76654	Upp2	0.172	-0.153	-0.058	0	0	0	0	0	0	NM_029692	uridine phosphorylase 2 (Upp2), mRNA.	Mme-M200012881	ILMN_2458184	0	0
331487	Uprt	-0.103	0.004	0.019	0	0	0	0	0	0	NM_001081189	uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae) (Uprt), mRNA.	Mme-M400001360	ILMN_2936221	0	0
56046	Uqcc1	-0.167	-0.110	0.153	0	0	0	0	0	0	NM_018888	ubiquinol-cytochrome c reductase complex chaperone, CBP3 homolog (yeast) (Uqcc), mRNA.	Mme-M200003500	ILMN_1236994	0	0
67267	Uqcc2	0.023	-0.069	-0.061	0	0	0	0	0	0	NM_026063	RIKEN cDNA 2900010M23 gene (2900010M23Rik), mRNA.	Mme-M300003983	ILMN_2877367	0	0
66152	Uqcr10	0.380	0.022	-0.075	0	0	0	0	0	0	NM_197979	RIKEN cDNA 1110020P15 gene (1110020P15Rik), mRNA.	Mme-M400012569	ILMN_2636384	0	0
66594	Uqcr11	-0.004	-0.001	-0.115	0	0	0	0	0	0	NM_025650	ubiquinol-cytochrome c reductase (6.4kD) subunit (Uqcr), mRNA.	Mme-M300002029	ILMN_2871881	0	0
67530	Uqcrb	0.154	0.144	0.115	0	0	0	0	0	0	NM_026219	ubiquinol-cytochrome c reductase binding protein (Uqcrb), nuclear gene encoding mitochondrial protein, mRNA	Mme-M400000475	ILMN_2497616	0	0
22273	Uqcrc1	0.053	0.027	-0.160	0	0	0	0	0	0	NM_025407	ubiquinol-cytochrome c reductase core protein 1 (Uqcrc1), mRNA.	Mme-M200000351	ILMN_1256673	0	0
67003	Uqcrc2	0.137	0.233	-0.003	0	0	0	0	0	0	NM_025899	ubiquinol cytochrome c reductase core protein 2 (Uqcrc2), mRNA.	Mme-M300007481	ILMN_2435140	0	0
66694	Uqcrfs1	0.447	0.081	-0.010	0	0	0	0	0	0	NM_025710	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (Uqcrfs1), mRNA.	Mme-M200012042	ILMN_2473090	0	0
66576	Uqcrh	0.437	0.219	0.020	0	0	0	0	0	0	NM_025641	ubiquinol-cytochrome c reductase hinge protein (Uqcrh), mRNA.	Mme-M400008456	ILMN_2512849	0	0
76974	Urah	0.330	-0.381	-0.108	0	0	0	0	0	0	NM_029821	RIKEN cDNA 1190003J15 gene (1190003J15Rik), mRNA.	Mme-M400000838	ILMN_2734924	0	0
207932	Urb1	-0.125	0.057	-0.092	0	0	0	0	0	0	XM_904396	PREDICTED: RIKEN cDNA 4921511H13 gene (4921511H13Rik), mRNA.	Mme-M300012446	ILMN_2501324	0	0
382038	Urb2	-0.090	0.005	0.063	0	0	0	0	0	0	NM_001029876	cDNA sequence AK122209 (AK122209), mRNA.	Mme-M300008008	ILMN_2941972	0	0
72046	Urgcp	0.167	-0.098	0.641	0	0	1	0	0	1	NM_178623	RIKEN cDNA 2010005J08 gene (2010005J08Rik), transcript variant 1, mRNA.	Mme-M300020416	ILMN_1219459	1	0
19777	Uri1	0.107	-0.164	0.134	0	0	0	0	0	0	NM_011274	expressed sequence C80913 (C80913), mRNA.	Mme-M200004749	ILMN_2708150	0	0
68205	Urm1	0.121	0.032	-0.157	0	0	0	0	0	0	NM_026615	ubiquitin related modifier 1 homolog (S. cerevisiae) (Urm1), mRNA.	Mme-M400011575	ILMN_2751247	0	0
243537	Uroc1	-0.334	0.059	-0.144	0	0	0	0	0	0	NM_144940	urocanase domain containing 1 (Uroc1), mRNA.	Mme-M200005522	ILMN_1258766	0	0
22275	Urod	0.233	-0.096	-0.116	0	0	0	0	0	0	NM_009478	uroporphyrinogen decarboxylase (Urod), mRNA.	Mme-M200004405	ILMN_2453695	0	0
22276	Uros	0.139	-0.111	-0.154	0	0	0	0	0	0	NM_009479	uroporphyrinogen III synthase (Uros), mRNA.	Mme-M200001219	ILMN_2498173	0	0
101985	Usb1	0.055	0.284	0.073	0	0	0	0	0	0	NM_133954	expressed sequence AA960436 (AA960436), mRNA.	Mme-M200006307	ILMN_3008733	0	0
67023	Use1	0.190	-0.089	-0.081	0	0	0	0	0	0	NM_029768	unconventional SNARE in the ER 1 homolog (S. cerevisiae) (Use1), transcript variant 2, mRNA.	Mme-M400011687	ILMN_2668778	0	0
22278	Usf1	0.257	0.166	-0.058	0	0	0	0	0	0	NM_009480	upstream transcription factor 1 (Usf1), mRNA.	Mme-M400010937	ILMN_2435505	0	0
22282	Usf2	-0.363	-0.091	-0.238	0	0	0	0	0	0	NM_011680	upstream transcription factor 2 (Usf2), mRNA.	Mme-M200003397	ILMN_2482756	0	0
72088	Ush1c	-0.508	-0.083	-0.074	0	0	0	0	0	0	NM_153677	Usher syndrome 1C homolog (human) (Ush1c), transcript variant b3, mRNA.	Mme-M300007450	ILMN_2484636	0	0
16470	Ush1g	0.020	-0.013	-0.171	0	0	0	0	0	0	NM_176847	Usher syndrome 1G homolog (human) (Ush1g), mRNA.	Mme-M300016257	ILMN_1223933	0	0
22283	Ush2a	-0.112	-0.134	0.008	0	0	0	0	0	0	NM_021408	Usher syndrome 2A (autosomal recessive, mild) homolog (human) (Ush2a), mRNA.	Mme-M400002233	ILMN_1227931	0	0
234395	Ushbp1	0.036	0.146	-0.064	0	0	0	0	0	0	NM_181418	Usher syndrome 1C binding protein 1 (Ushbp1), mRNA.	Mme-M400012521	ILMN_1244926	0	0
66477	Usmg5	0.294	0.056	0.108	0	0	0	0	0	0	NM_023211	upregulated during skeletal muscle growth 5 (Usmg5), mRNA.	Mme-M300004446	ILMN_1219002	0	0
56041	Uso1	0.131	-0.004	-0.205	0	0	0	0	0	0	NM_019490	USO1 homolog, vesicle docking protein (yeast) (Uso1), mRNA.	Mme-M200003403	ILMN_2503318	0	0
230484	Usp1	0.113	-0.353	0.257	0	0	0	0	0	0	NM_146144	ubiquitin specific peptdiase 1 (Usp1), mRNA.	Mme-M200005575	ILMN_2781170	0	0
22224	Usp10	-0.040	-0.048	0.075	0	0	0	0	0	0	NM_009462	ubiquitin specific peptidase 10 (Usp10), mRNA.	Mme-M200001700	ILMN_2443129	0	0
236733	Usp11	0.275	0.225	-0.205	0	0	0	0	0	0	NM_145628	ubiquitin specific peptidase 11 (Usp11), mRNA.	Mme-M200007588	ILMN_2802244	0	0
22217	Usp12	0.267	0.094	-0.047	0	0	0	0	0	0	NM_011669	ubiquitin specific peptidase 12 (Usp12), mRNA.	Mme-M300006793	ILMN_2436866	0	0
72607	Usp13	0.082	0.160	0.112	0	0	0	0	0	0	NM_001013024	ubiquitin specific peptidase 13 (isopeptidase T-3) (Usp13), mRNA.	Mme-M400005680	ILMN_2422325	0	0
59025	Usp14	0.081	0.072	0.146	0	0	0	0	0	0	NM_001038589	ubiquitin specific peptidase 14 (Usp14), transcript variant 2, mRNA.	Mme-M300004038	ILMN_2465770	0	0
14479	Usp15	-0.253	-0.032	-0.046	0	0	0	0	0	0	NM_027604	ubiquitin specific peptidase 15 (Usp15), mRNA.	Mme-M400008734	ILMN_1244851	0	0
74112	Usp16	0.211	0.021	-0.067	0	0	0	0	0	0	NM_024258	ubiquitin specific peptidase 16 (Usp16), mRNA.	Mme-M200012597	ILMN_2491301	0	0
13531	Usp17la	0.065	-0.048	0.003	0	0	0	0	0	0	NM_007887	deubiquitinating enzyme 1 (Dub1), mRNA.	Mme-M400004860	ILMN_1222276	0	0
381944	Usp17lb	0.041	0.006	-0.011	0	0	0	0	0	0	NM_201409	deubiquitinating enzyme 1a (Dub1a), mRNA.	Mme-M400007806	ILMN_1224991	0	0
13532	Usp17lc	-0.272	-0.016	-0.005	0	0	0	0	0	0	NM_010089	deubiquitinating enzyme 2 (Dub2), mRNA.	Mme-M400006566	ILMN_2613219	0	0
384701	Usp17ld	-0.158	-0.103	0.051	0	0	0	0	0	0	NM_001001559	deubiquitinating enzyme 2a (Dub2a), mRNA.	Mme-M400005873	ILMN_2878227	0	0
625530	Usp17le	-0.022	0.062	-0.037	0	0	0	0	0	0	XM_001476452	PREDICTED: predicted gene, EG625530, transcript variant 2 (EG625530), mRNA.	Mme-M400002699	ILMN_1218803	0	0
24110	Usp18	0.371	0.775	0.353	0	1	1	0	1	0	NM_011909	ubiquitin specific peptidase 18 (Usp18), mRNA.	Mme-M200005576	ILMN_2433990	1	0
71472	Usp19	0.113	0.137	-0.022	0	0	0	0	0	0	NM_027804	ubiquitin specific peptidase 19 (Usp19), mRNA.	Mme-M200004058	ILMN_1213862	0	0
53376	Usp2	0.356	0.176	-0.234	0	0	0	0	0	0	NM_198091	ubiquitin specific peptidase 2 (Usp2), transcript variant 2, mRNA.	Mme-M200003187	ILMN_1240264	0	0
74270	Usp20	-0.153	-0.134	-0.117	0	0	0	0	0	0	NM_028846	ubiquitin specific peptidase 20 (Usp20), mRNA.	Mme-M300005350	ILMN_1236828	0	0
30941	Usp21	0.029	0.196	-0.078	0	0	0	0	0	0	NM_013919	ubiquitin specific peptidase 21 (Usp21), mRNA.	Mme-M200005583	ILMN_2495939	0	0
216825	Usp22	-0.059	0.178	-0.161	0	0	0	0	0	0	NM_001004143	ubiquitin specific peptidase 22 (Usp22), mRNA.	Mme-M300013733	ILMN_1243503	0	0
30940	Usp25	0.190	-0.132	0.077	0	0	0	0	0	0	NM_013918	ubiquitin specific peptidase 25 (Usp25), mRNA.	Mme-M300003564	ILMN_1226508	0	0
83563	Usp26	-0.176	0.022	0.019	0	0	0	0	0	0	NM_031388	ubiquitin specific peptidase 26 (Usp26), mRNA.	Mme-M200012230	ILMN_2960233	0	0
235323	Usp28	-0.236	-0.013	0.069	0	0	0	0	0	0	NM_175482	ubiquitin specific peptidase 28 (Usp28), mRNA.	Mme-M300008156	ILMN_2828768	0	0
57775	Usp29	-0.087	0.250	-0.111	0	0	0	0	0	0	NM_021323	ubiquitin specific peptidase 29 (Usp29), mRNA.	Mme-M400003835	ILMN_1229634	0	0
235441	Usp3	-0.105	0.096	-0.031	0	0	0	0	0	0	NM_144937	ubiquitin specific peptidase 3 (Usp3), mRNA.	Mme-M200008148	ILMN_2470333	0	0
100756	Usp30	0.051	0.062	0.076	0	0	0	0	0	0	NM_001033202	ubiquitin specific peptidase 30 (Usp30), mRNA.	Mme-M300006756	ILMN_3161250	0	0
76179	Usp31	-0.138	-0.092	0.107	0	0	0	0	0	0	XM_992065	PREDICTED: ubiquitin specific peptidase 31 (Usp31), mRNA.	Mme-M400008224	ILMN_1219308	0	0
237898	Usp32	-0.179	0.003	-0.035	0	0	0	0	0	0	NM_001029934	ubiquitin specific peptidase 32 (Usp32), mRNA.	Mme-M200011857	ILMN_2728255	0	0
170822	Usp33	0.094	-0.106	0.210	0	0	0	0	0	0	NM_001076676	ubiquitin specific peptidase 33 (Usp33), transcript variant 2, mRNA.	Mme-M200004877	ILMN_3129526	0	0
72344	Usp36	-0.023	0.049	0.002	0	0	0	0	0	0	XM_126772	PREDICTED: ubiquitin specific peptidase 36, transcript variant 1 (Usp36), mRNA.	Mme-M300009022	ILMN_2491232	0	0
319651	Usp37	0.082	-0.011	-0.002	0	0	0	0	0	0	NM_176972	ubiquitin specific peptidase 37 (Usp37), mRNA.	Mme-M300008739	ILMN_2416488	0	0
74841	Usp38	0.096	-0.114	-0.029	0	0	0	0	0	0	NM_027554	ubiquitin specific peptidase 38 (Usp38), mRNA.	Mme-M300011443	ILMN_2423692	0	0
28035	Usp39	0.070	0.097	-0.164	0	0	0	0	0	0	NM_138592	ubiquitin specific peptidase 39 (Usp39), mRNA.	Mme-M400005464	ILMN_2471268	0	0
22258	Usp4	-0.090	0.127	-0.094	0	0	0	0	0	0	NM_011678	ubiquitin specific peptidase 4 (proto-oncogene) (Usp4), mRNA.	Mme-M200001534	ILMN_1237017	0	0
227334	Usp40	-0.030	-0.116	-0.046	0	0	0	0	0	0	NM_001033291	ubiquitin specific peptidase 40 (Usp40), mRNA.	Mme-M300000682	ILMN_1256565	0	0
76800	Usp42	-0.104	-0.146	-0.060	0	0	0	0	0	0	NM_029749	ubiquitin specific peptidase 42 (Usp42), mRNA.	Mme-M300006764	ILMN_2652403	0	0
216835	Usp43	-0.203	-0.077	-0.012	0	0	0	0	0	0	NM_173754	ubiquitin specific peptidase 43 (Usp43), mRNA.	Mme-M200009281	ILMN_1251191	0	0
327799	Usp44	0.025	0.072	-0.067	0	0	0	0	0	0	NM_183199	ubiquitin specific peptidase 44 (Usp44), mRNA.	Mme-M300001956	ILMN_2741066	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
77593	Usp45	0.177	0.035	0.020	0	0	0	0	0	0	NM_152825	ubiquitin specific petidase 45 (Usp45), mRNA.	Mme-M200009745	ILMN_1229425	0	0
69727	Usp46	0.138	0.029	-0.183	0	0	0	0	0	0	NM_177561	ubiquitin specific peptidase 46 (Usp46), mRNA.	Mme-M300019066	ILMN_2681814	0	0
74996	Usp47	0.258	-0.272	-0.144	0	0	0	0	0	0	NM_133758	ubiquitin specific peptidase 47 (Usp47), mRNA.	Mme-M200009358	ILMN_1251164	0	0
170707	Usp48	0.026	-0.171	-0.102	0	0	0	0	0	0	NM_130879	ubiquitin specific peptidase 48 (Usp48), mRNA.	Mme-M200004225	ILMN_2505095	0	0
224836	Usp49	-0.059	0.086	-0.171	0	0	0	0	0	0	NM_198421	ubiquitin specific peptidase 49 (Usp49), mRNA.	Mme-M300003848	ILMN_2694302	0	0
22225	Usp5	0.101	0.287	-0.008	0	0	0	0	0	0	NM_013700	ubiquitin specific peptidase 5 (isopeptidase T) (Usp5), mRNA.	Mme-M400002134	ILMN_1253666	0	0
75083	Usp50	-0.020	-0.007	0.050	0	0	0	0	0	0	NM_029163	ubiquitin specific peptidase 50 (Usp50), mRNA.	Mme-M200008491	ILMN_2682467	0	0
78787	Usp54	0.066	0.037	-0.107	0	0	0	0	0	0	NM_030180	ubiquitin specific peptidase 54 (Usp54), mRNA.	Mme-M200006163	ILMN_2418324	0	0
98910	Usp6nl	-0.095	-0.114	-0.058	0	0	0	0	0	0	NM_181399	USP6 N-terminal like (Usp6nl), transcript variant 1, mRNA.	Mme-M300011902	ILMN_3158341	0	0
252870	Usp7	0.135	0.128	-0.128	0	0	0	0	0	0	NM_001003918	ubiquitin specific peptidase 7 (Usp7), mRNA.	Mme-M300003465	ILMN_1221908	0	0
84092	Usp8	-0.050	-0.100	-0.075	0	0	0	0	0	0	NM_019729	ubiquitin specific peptidase 8 (Usp8), mRNA.	Mme-M400005421	ILMN_2420200	0	0
22284	Usp9x	-0.160	-0.151	0.085	0	0	0	0	0	0	NM_009481	ubiquitin specific peptidase 9, X chromosome (Usp9x), mRNA.	Mme-M400007489	ILMN_2503651	0	0
107868	Usp9y	-0.016	-0.052	0.015	0	0	0	0	0	0	NM_148943	ubiquitin specific peptidase 9, Y chromosome (Usp9y), mRNA.	Mme-M400005260	ILMN_1241604	0	0
231915	Uspl1	-0.082	-0.142	0.056	0	0	0	0	0	0	NM_001115151	ubiquitin specific peptidase like 1 (Uspl1), transcript variant 5, mRNA.	Mme-M400002488	ILMN_2599110	0	0
338362	Ust	-0.315	0.096	0.031	0	0	0	0	0	0	NM_177387	uronyl-2-sulfotransferase (Ust), mRNA.	Mme-M300018547	ILMN_1217991	0	0
22286	Utf1	0.034	-0.034	0.004	0	0	0	0	0	0	NM_009482	undifferentiated embryonic cell transcription factor 1 (Utf1), mRNA.	Mme-M200002895	ILMN_2502226	0	0
67205	Utp11l	0.198	0.124	-0.073	0	0	0	0	0	0	NM_026031	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast) (Utp11l), mRNA.	Mme-M200009879	ILMN_2720334	0	0
72554	Utp14a	0.095	-0.030	0.186	0	0	0	0	0	0	NM_028276	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast) (Utp14a), mRNA.	Mme-M200009751	ILMN_1221442	0	0
195434	Utp14b	-0.021	-0.024	0.068	0	0	0	0	0	0	NM_001001981	UTP14, U3 small nucleolar ribonucleoprotein, homolog B (yeast) (Utp14b), mRNA.	Mme-M400010689	ILMN_2489266	0	0
105372	Utp15	-0.021	-0.082	0.142	0	0	0	0	0	0	NM_178918	UTP15, U3 small nucleolar ribonucleoprotein, homolog (yeast) (Utp15), mRNA.	Mme-M300013339	ILMN_1232566	0	0
217109	Utp18	0.414	-0.048	-0.040	0	0	0	0	0	0	NM_001013375	UTP18, small subunit (SSU) processome component, homolog (yeast) (Utp18), mRNA.	Mme-M300011031	ILMN_2632757	0	0
78581	Utp23	0.419	0.035	0.017	0	0	0	0	0	0	NM_030132	RIKEN cDNA D530033C11 gene (D530033C11Rik), mRNA.	Mme-M300003207	ILMN_2737092	0	0
65961	Utp3	-0.129	-0.024	0.072	0	0	0	0	0	0	NM_023054	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae (Utp3), mRNA.	Mme-M400011419	ILMN_2706987	0	0
216987	Utp6	-0.162	-0.111	-0.060	0	0	0	0	0	0	NM_144826	UTP6, small subunit (SSU) processome component, homolog (yeast) (Utp6), mRNA.	Mme-M200006877	ILMN_2750789	0	0
22288	Utrn	-0.274	-0.133	-0.098	0	0	0	0	0	0	NM_011682	utrophin (Utrn), mRNA.	Mme-M300001848	ILMN_2475832	0	0
24111	Uts2	-0.092	0.043	-0.028	0	0	0	0	0	0	NM_011910	urotensin 2 (Uts2), mRNA.	Mme-M400001130	ILMN_2921248	0	0
224065	Uts2b	-0.156	0.018	-0.050	0	0	0	0	0	0	NM_198166	urotensin 2 domain containing (Uts2d), mRNA.	Mme-M400005505	ILMN_2438839	0	0
217369	Uts2r	-0.027	0.218	0.009	0	0	0	0	0	0	NM_145440	urotensin 2 receptor (Uts2r), mRNA.	Mme-M200003813	ILMN_2494890	0	0
78610	Uvrag	0.122	-0.018	-0.023	0	0	0	0	0	0	NM_178635	UV radiation resistance associated gene (Uvrag), mRNA.	Mme-M300009874	ILMN_2516899	0	0
71101	Uvssa	-0.354	0.018	0.071	0	0	0	0	0	0	NM_001081101	RIKEN cDNA 4933407H18 gene (4933407H18Rik), mRNA.	Mme-M200010292	ILMN_2758990	0	0
22294	Uxt	0.028	-0.037	-0.093	0	0	0	0	0	0	NM_013840	ubiquitously expressed transcript (Uxt), mRNA.	Mme-M400000031	ILMN_2427063	0	0
113850	V1ra8	0.043	0.043	-0.053	0	0	0	0	0	0	NM_053223	vomeronasal 1 receptor, A8 (V1ra8), mRNA.	Mme-M400011774	ILMN_2472587	0	0
404287	V1rd19	-0.252	-0.021	0.046	0	0	0	0	0	0	NM_207618	vomeronasal 1 receptor, D18 (V1rd18), mRNA.	Mme-M400007274	ILMN_2996714	0	0
234729	Vac14	0.214	0.109	-0.062	0	0	0	0	0	0	NM_146216	Vac14 homolog (S. cerevisiae) (Vac14), mRNA.	Mme-M300021621	ILMN_2690506	0	0
22317	Vamp1	-0.344	0.089	-0.217	0	0	0	0	0	0	NM_009496	vesicle-associated membrane protein 1 (Vamp1), transcript variant 1, mRNA.	Mme-M300007149	ILMN_2480543	0	0
22318	Vamp2	0.124	0.069	-0.162	0	0	0	0	0	0	NM_009497	vesicle-associated membrane protein 2 (Vamp2), mRNA.	Mme-M300002448	ILMN_2424912	0	0
22319	Vamp3	-0.023	-0.043	0.147	0	0	0	0	0	0	NM_009498	vesicle-associated membrane protein 3 (Vamp3), mRNA.	Mme-M300006387	ILMN_2881477	0	0
53330	Vamp4	-0.029	-0.092	0.046	0	0	0	0	0	0	NM_016796	vesicle-associated membrane protein 4 (Vamp4), mRNA.	Mme-M300005242	ILMN_2516348	0	0
53620	Vamp5	0.297	0.221	0.029	0	0	0	0	0	0	NM_016872	vesicle-associated membrane protein 5 (Vamp5), transcript variant 1, mRNA.	Mme-M400005219	ILMN_1232901	0	0
20955	Vamp7	0.155	0.053	0.034	0	0	0	0	0	0	NM_011515	vesicle-associated membrane protein 7 (Vamp7), mRNA.	Mme-M400003819	ILMN_2883961	0	0
22320	Vamp8	0.477	0.167	-0.140	0	0	0	0	0	0	NM_016794	vesicle-associated membrane protein 8 (Vamp8), mRNA.	Mme-M300021404	ILMN_2499400	0	0
229658	Vangl1	-0.228	-0.073	-0.066	0	0	0	0	0	0	NM_177545	vang-like 1 (van gogh, Drosophila) (Vangl1), mRNA.	Mme-M400001032	ILMN_2494912	0	0
93840	Vangl2	0.162	-0.035	-0.115	0	0	0	0	0	0	NM_033509	vang-like 2 (van gogh, Drosophila) (Vangl2), mRNA.	Mme-M200012875	ILMN_2685770	0	0
30960	Vapa	0.309	-0.207	0.038	0	0	0	0	0	0	NM_013933	vesicle-associated membrane protein, associated protein A (Vapa), mRNA.	Mme-M200004732	ILMN_2485148	0	0
56491	Vapb	-0.142	-0.273	-0.123	0	0	0	0	0	0	NM_019806	vesicle-associated membrane protein, associated protein B and C (Vapb), mRNA.	Mme-M200008115	ILMN_2436489	0	0
22321	Vars	-0.006	-0.085	-0.099	0	0	0	0	0	0	NM_011690	valyl-tRNA synthetase (Vars), mRNA.	Mme-M200005999	ILMN_2439341	0	0
68915	Vars2	-0.396	-0.253	-0.060	0	0	0	0	0	0	NM_175137	valyl-tRNA synthetase 2, mitochondrial (putative) (Vars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400013052	ILMN_1251909	0	0
238328	Vash1	-0.359	0.112	0.054	0	0	0	0	0	0	NM_177354	vasohibin 1 (Vash1), mRNA.	Mme-M300002648	ILMN_1224607	0	0
226841	Vash2	0.026	0.007	-0.027	0	0	0	0	0	0	NM_144879	vasohibin 2 (Vash2), mRNA.	Mme-M300011001	ILMN_2719036	0	0
246154	Vasn	0.133	-0.076	-0.149	0	0	0	0	0	0	NM_139307	vasorin (Vasn), mRNA.	Mme-M200004567	ILMN_2677921	0	0
22323	Vasp	-0.556	-0.015	-0.011	0	0	0	0	0	0	NM_009499	vasodilator-stimulated phosphoprotein (Vasp), mRNA.	Mme-M300007193	ILMN_1229273	0	0
26949	Vat1	0.035	0.329	-0.010	0	0	0	0	0	0	NM_012037	vesicle amine transport protein 1 homolog (T californica) (Vat1), mRNA.	Mme-M300009648	ILMN_2440530	0	0
270097	Vat1l	-0.325	0.068	-0.045	0	0	0	0	0	0	NM_173016	expressed sequence AI427515 (AI427515), mRNA.	Mme-M300008744	ILMN_1226356	0	0
22324	Vav1	0.177	0.415	0.238	0	0	0	0	0	0	NM_011691	vav 1 oncogene (Vav1), mRNA.	Mme-M200014958	ILMN_1224077	0	0
22325	Vav2	-0.236	0.129	-0.099	0	0	0	0	0	0	NM_009500	vav 2 oncogene (Vav2), mRNA.	Mme-M200011877	ILMN_2971753	0	0
57257	Vav3	0.040	0.095	0.058	0	0	0	0	0	0	NM_146139	vav 3 oncogene (Vav3), transcript variant 2, mRNA.	Mme-M300008907	ILMN_1227993	0	0
22326	Vax1	-0.040	-0.098	0.096	0	0	0	0	0	0	NM_009501	ventral anterior homeobox containing gene 1 (Vax1), mRNA.	Mme-M300000774	ILMN_2482634	0	0
24113	Vax2	-0.259	0.063	-0.065	0	0	0	0	0	0	NM_011912	ventral anterior homeobox containing gene 2 (Vax2), mRNA.	Mme-M300009539	ILMN_2935579	0	0
22327	Vbp1	0.239	-0.040	0.122	0	0	0	0	0	0	NM_011692	von Hippel-Lindau binding protein 1 (Vbp1), mRNA.	Mme-M200002698	ILMN_1243095	0	0
22329	Vcam1	0.458	0.441	0.448	0	1	1	0	0	1	NM_011693	vascular cell adhesion molecule 1 (Vcam1), mRNA.	Mme-M200000376	ILMN_2778655	1	0
22330	Vcl	0.159	-0.185	0.071	0	0	0	0	0	0	NM_009502	vinculin (Vcl), mRNA.	Mme-M200003146	ILMN_2419138	0	0
269523	Vcp	-0.135	-0.008	-0.015	0	0	0	0	0	0	NM_009503	valosin containing protein (Vcp), mRNA.	Mme-M400001087	ILMN_1255736	0	0
70675	Vcpip1	-0.057	-0.017	0.018	0	0	0	0	0	0	NM_173443	valosin containing protein (p97)/p47 complex interacting protein 1 (Vcpip1), mRNA.	Mme-M300016181	ILMN_1213574	0	0
22333	Vdac1	0.120	0.218	0.184	0	0	0	0	0	0	NM_011694	voltage-dependent anion channel 1 (Vdac1), mRNA.	Mme-M200001395	ILMN_2832808	0	0
22334	Vdac2	0.109	-0.127	0.095	0	0	0	0	0	0	NM_011695	voltage-dependent anion channel 2 (Vdac2), mRNA.	Mme-M200000202	ILMN_2494244	0	0
22335	Vdac3	0.141	0.156	-0.157	0	0	0	0	0	0	NM_011696	voltage-dependent anion channel 3 (Vdac3), mRNA.	Mme-M400000164	ILMN_2956765	0	0
22337	Vdr	0.085	0.273	-0.107	0	0	0	0	0	0	NM_009504	vitamin D receptor (Vdr), mRNA.	Mme-M200014038	ILMN_2445165	0	0
22339	Vegfa	0.283	-0.211	0.071	0	0	0	0	0	0	NM_001110268	vascular endothelial growth factor A (Vegfa), transcript variant 6, mRNA.	Mme-M400000705	ILMN_3121255	0	0
22340	Vegfb	0.209	-0.027	-0.013	0	0	0	0	0	0	NM_011697	vascular endothelial growth factor B (Vegfb), mRNA.	Mme-M200003383	ILMN_2450384	0	0
22341	Vegfc	-0.038	-0.195	0.004	0	0	0	0	0	0	NM_009506	vascular endothelial growth factor C (Vegfc), mRNA.	Mme-M200000565	ILMN_2486573	0	0
72789	Veph1	-0.148	0.110	0.117	0	0	0	0	0	0	NM_028357	ventricular zone expressed PH domain homolog 1 (zebrafish) (Veph1), transcript variant Veph-B, mRNA.	Mme-M200010528	ILMN_3082949	0	0
22344	Vezf1	0.272	-0.080	-0.083	0	0	0	0	0	0	NM_016686	vascular endothelial zinc finger 1 (Vezf1), mRNA.	Mme-M300001662	ILMN_1229971	0	0
215008	Vezt	-0.014	0.111	-0.113	0	0	0	0	0	0	NM_172538	vezatin, adherens junctions transmembrane protein (Vezt), mRNA.	Mme-M300010238	ILMN_2666347	0	0
381677	Vgf	0.255	0.339	0.171	0	0	0	0	0	0	NM_001039385	VGF nerve growth factor inducible (Vgf), mRNA.	Mme-M400002010	ILMN_2925923	0	0
170828	Vgll1	-0.137	-0.053	-0.068	0	0	0	0	0	0	NM_133251	vestigial like 1 homolog (Drosophila) (Vgll1), mRNA.	Mme-M200012189	ILMN_2939096	0	0
215031	Vgll2	1.002	0.158	-0.104	1	0	0	1	0	0	NM_153786	vestigial like 2 homolog (Drosophila) (Vgll2), mRNA.	Mme-M300020380	ILMN_2495753	1	0
73569	Vgll3	-0.189	0.130	0.073	0	0	0	0	0	0	XM_283372	PREDICTED: vestigial like 3 (Drosophila) (Vgll3), mRNA.	Mme-M400014044	ILMN_1220029	0	0
232334	Vgll4	-0.210	-0.214	-0.079	0	0	0	0	0	0	NM_177683	vestigial like 4 (Drosophila) (Vgll4), mRNA.	Mme-M300007134	ILMN_2491589	0	0
22346	Vhl	0.236	0.035	-0.002	0	0	0	0	0	0	NM_009507	von Hippel-Lindau syndrome homolog (Vhlh), mRNA.	Mme-M200003246	ILMN_2518546	0	0
22349	Vil1	0.024	-0.107	0.013	0	0	0	0	0	0	NM_009509	villin 1 (Vil1), mRNA.	Mme-M400010944	ILMN_2518406	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
22351	Vill	0.020	-0.094	0.117	0	0	0	0	0	0	NM_011700	villin-like (Vill), mRNA.	Mme-M400011161	ILMN_2846432	0	0
22352	Vim	-0.141	0.135	0.104	0	0	0	0	0	0	NM_011701	vimentin (Vim), mRNA.	Mme-M200000002	ILMN_2451022	0	0
109815	Vimp	0.274	-0.077	-0.106	0	0	0	0	0	0	NM_024439	histocompatibility 47 (H47), mRNA.	Mme-M200004368	ILMN_2712557	0	0
22353	Vip	0.939	0.957	0.378	1	1	1	1	1	0	NM_011702	vasoactive intestinal polypeptide (Vip), mRNA.	Mme-M200016174	ILMN_2943387	2	0
22354	Vipr1	0.003	0.048	-0.059	0	0	0	0	0	0	NM_011703	vasoactive intestinal peptide receptor 1 (Vipr1), mRNA.	Mme-M200014610	ILMN_2417824	0	0
22355	Vipr2	0.141	0.067	-0.022	0	0	0	0	0	0	NM_009511	vasoactive intestinal peptide receptor 2 (Vipr2), mRNA.	Mme-M200001757	ILMN_1258218	0	0
74199	Vit	0.259	-0.085	-0.028	0	0	0	0	0	0	NM_028813	vitrin (Vit), mRNA.	Mme-M300003901	ILMN_2477870	0	0
27973	Vkorc1	0.478	-0.142	-0.217	0	0	0	0	0	0	NM_178600	vitamin K epoxide reductase complex, subunit 1 (Vkorc1), mRNA.	Mme-M200006608	ILMN_2497999	0	0
69568	Vkorc1l1	-0.120	-0.297	0.095	0	0	0	0	0	0	NM_001001327	vitamin K epoxide reductase complex, subunit 1-like 1 (Vkorc1l1), transcript variant 2, mRNA.	Mme-M400010679	ILMN_3142273	0	0
22359	Vldlr	0.373	0.211	-0.116	0	0	0	0	0	0	NM_013703	very low density lipoprotein receptor (Vldlr), mRNA.	Mme-M200001610	ILMN_2515601	0	0
67048	Vma21	0.305	-0.087	0.461	0	0	1	0	0	1	NM_001081356	RIKEN cDNA 2610030H06 gene (2610030H06Rik), mRNA.	Mme-M400009739	ILMN_2521738	1	0
106639	Vmac	0.303	0.029	-0.126	0	0	0	0	0	0	NM_178926	expressed sequence AI662250 (AI662250), mRNA.	Mme-M400012511	ILMN_2799596	0	0
113858	Vmn1r10	-0.083	-0.070	0.129	0	0	0	0	0	0	NM_053231	vomeronasal 1 receptor, C1 (V1rc1), mRNA.	Mme-M400011849	ILMN_1234237	0	0
113860	Vmn1r11	0.082	-0.035	0.015	0	0	0	0	0	0	NM_053233	vomeronasal 1 receptor, C3 (V1rc3), mRNA.	Mme-M400006701	ILMN_2895819	0	0
113862	Vmn1r13	-0.032	0.019	0.019	0	0	0	0	0	0	NM_053235	vomeronasal 1 receptor, C5 (V1rc5), mRNA.	Mme-M400008617	ILMN_2474839	0	0
113864	Vmn1r14	-0.063	-0.025	-0.062	0	0	0	0	0	0	NM_053237	vomeronasal 1 receptor, C7 (V1rc7), mRNA.	Mme-M400011780	ILMN_2973698	0	0
81011	Vmn1r148	0.088	-0.090	-0.092	0	0	0	0	0	0	NM_030736	vomeronasal 1 receptor, D14 (V1rd14), mRNA.	Mme-M400009477	ILMN_2473597	0	0
113863	Vmn1r15	-0.464	-0.042	0.088	0	0	0	0	0	0	NM_053236	vomeronasal 1 receptor, C6 (V1rc6), mRNA.	Mme-M400011779	ILMN_2435692	0	0
171202	Vmn1r16	0.049	0.024	0.140	0	0	0	0	0	0	NM_134184	vomeronasal 1 receptor, C29 (V1rc29), mRNA.	Mme-M400011848	ILMN_2891481	0	0
171189	Vmn1r17	-0.097	0.057	-0.015	0	0	0	0	0	0	NM_134171	vomeronasal 1 receptor, C16 (V1rc16), mRNA.	Mme-M400008427	ILMN_2500382	0	0
81012	Vmn1r171	-0.303	0.011	-0.006	0	0	0	0	0	0	NM_030737	vomeronasal 1 receptor, D7 (V1rd7), mRNA.	Mme-M400003718	ILMN_2817661	0	0
81010	Vmn1r172	-0.368	0.056	0.080	0	0	0	0	0	0	NM_030735	vomeronasal 1 receptor, D9 (V1rd9), mRNA.	Mme-M200011571	ILMN_2959825	0	0
384572	Vmn1r177	-0.330	-0.058	-0.022	0	0	0	0	0	0	NM_206872	vomeronasal 1 receptor, D12 (V1rd12), mRNA.	Mme-M400012622	ILMN_2481009	0	0
232959	Vmn1r178	0.087	-0.038	0.007	0	0	0	0	0	0	NM_206868	vomeronasal 1 receptor, D13 (V1rd13), mRNA.	Mme-M400007902	ILMN_2424036	0	0
404286	Vmn1r179	-0.128	-0.032	-0.058	0	0	0	0	0	0	NM_207545	vomeronasal 1 receptor, D17 (V1rd17), mRNA.	Mme-M400003225	ILMN_2417982	0	0
171199	Vmn1r18	0.040	-0.047	0.022	0	0	0	0	0	0	NM_134181	vomeronasal 1 receptor, C26 (V1rc26), mRNA.	Mme-M400006143	ILMN_2456634	0	0
232962	Vmn1r180	-0.045	-0.014	0.044	0	0	0	0	0	0	NM_206869	vomeronasal 1 receptor, D16 (V1rd16), mRNA.	Mme-M400009548	ILMN_1222469	0	0
404289	Vmn1r181	0.092	0.255	0.112	0	0	0	0	0	0	NM_207546	vomeronasal 1 receptor, D20 (V1rd20), mRNA.	Mme-M400006133	ILMN_2453946	0	0
209824	Vmn1r183	-0.244	-0.012	-0.012	0	0	0	0	0	0	NM_203489	vomeronasal 1 receptor, D15 (V1rd15), mRNA.	Mme-M400012615	ILMN_1219688	0	0
171265	Vmn1r185	0.001	-0.066	-0.089	0	0	0	0	0	0	NM_134231	vomeronasal 1 receptor, E12 (V1re12), mRNA.	Mme-M400003117	ILMN_2437192	0	0
252912	Vmn1r188	-0.050	-0.053	0.047	0	0	0	0	0	0	NM_145850	vomeronasal 1 receptor, H17 (V1rh17), mRNA.	Mme-M400011916	ILMN_2878020	0	0
252906	Vmn1r189	0.023	0.003	-0.015	0	0	0	0	0	0	NM_145844	vomeronasal 1 receptor, H2 (V1rh2), mRNA.	Mme-M400008867	ILMN_1216825	0	0
171200	Vmn1r19	-0.350	0.059	0.061	0	0	0	0	0	0	NM_134182	vomeronasal 1 receptor, C27 (V1rc27), mRNA.	Mme-M400003855	ILMN_1227837	0	0
252907	Vmn1r192	-0.058	-0.012	-0.011	0	0	0	0	0	0	NM_145845	vomeronasal 1 receptor, I1 (V1ri1), mRNA.	Mme-M400005860	ILMN_2514220	0	0
171259	Vmn1r193	0.002	0.013	0.033	0	0	0	0	0	0	NM_134225	vomeronasal 1 receptor, I9 (V1ri9), mRNA.	Mme-M400003227	ILMN_2516844	0	0
171257	Vmn1r195	0.269	0.076	0.006	0	0	0	0	0	0	NM_134223	vomeronasal 1 receptor, I6 (V1ri6), mRNA.	Mme-M400011859	ILMN_1237381	0	0
171254	Vmn1r198	-0.211	0.084	0.011	0	0	0	0	0	0	NM_134220	vomeronasal 1 receptor, I3 (V1ri3), mRNA.	Mme-M400011857	ILMN_2514985	0	0
171247	Vmn1r199	-0.130	-0.025	-0.043	0	0	0	0	0	0	NM_134213	vomeronasal 1 receptor, H4 (V1rh4), mRNA.	Mme-M400011856	ILMN_2486419	0	0
171246	Vmn1r200	-0.105	-0.095	0.147	0	0	0	0	0	0	NM_134212	vomeronasal 1 receptor, H3 (V1rh3), mRNA.	Mme-M400011855	ILMN_2940118	0	0
171255	Vmn1r201	-0.067	-0.088	0.032	0	0	0	0	0	0	NM_134221	vomeronasal 1 receptor, I4 (V1ri4), mRNA.	Mme-M400011858	ILMN_2850048	0	0
171258	Vmn1r202	0.032	-0.012	-0.041	0	0	0	0	0	0	NM_134224	vomeronasal 1 receptor, I7 (V1ri7), mRNA.	Mme-M400008186	ILMN_2495367	0	0
171270	Vmn1r203	-0.342	-0.011	0.027	0	0	0	0	0	0	NM_134236	vomeronasal 1 receptor, H11 (V1rh11), mRNA.	Mme-M400011862	ILMN_1220469	0	0
171251	Vmn1r205	-0.040	-0.017	-0.006	0	0	0	0	0	0	NM_134217	vomeronasal 1 receptor, H8 (V1rh8), mRNA.	Mme-M400008612	ILMN_2906929	0	0
171250	Vmn1r206	-0.104	-0.003	0.006	0	0	0	0	0	0	NM_134216	vomeronasal 1 receptor, H7 (V1rh7), mRNA.	Mme-M400006007	ILMN_2522468	0	0
171252	Vmn1r208	-0.026	-0.089	-0.054	0	0	0	0	0	0	NM_134218	vomeronasal 1 receptor, H9 (V1rh9), mRNA.	Mme-M400008868	ILMN_2497756	0	0
432736	Vmn1r209	0.004	-0.022	0.102	0	0	0	0	0	0	NM_001013787	predicted gene, OTTMUSG00000000514 (OTTMUSG00000000514), mRNA.	Mme-M400008143	ILMN_2996916	0	0
171201	Vmn1r21	-0.010	-0.022	-0.012	0	0	0	0	0	0	NM_134183	vomeronasal 1 receptor, C28 (V1rc28), mRNA.	Mme-M400006400	ILMN_2493240	0	0
171269	Vmn1r210	-0.155	0.066	0.069	0	0	0	0	0	0	NM_134235	vomeronasal 1 receptor, H10 (V1rh10), mRNA.	Mme-M400008869	ILMN_2846084	0	0
171277	Vmn1r211	-0.100	0.005	0.026	0	0	0	0	0	0	NM_134243	vomeronasal 1 receptor, H20 (V1rh20), mRNA.	Mme-M400008503	ILMN_2492196	0	0
171275	Vmn1r212	-0.038	-0.065	-0.022	0	0	0	0	0	0	NM_134241	vomeronasal 1 receptor, H18 (V1rh18), mRNA.	Mme-M300018090	ILMN_1219757	0	0
171249	Vmn1r213	-0.286	-0.157	0.027	0	0	0	0	0	0	NM_134215	vomeronasal 1 receptor, H6 (V1rh6), mRNA.	Mme-M400007056	ILMN_2867574	0	0
171248	Vmn1r214	-0.051	0.043	0.012	0	0	0	0	0	0	NM_134214	vomeronasal 1 receptor, H5 (V1rh5), mRNA.	Mme-M400007555	ILMN_1229904	0	0
171253	Vmn1r215	0.105	0.058	0.075	0	0	0	0	0	0	NM_134219	vomeronasal 1 receptor, I2 (V1ri2), mRNA.	Mme-M400005667	ILMN_2926202	0	0
171279	Vmn1r216	-0.144	0.039	0.005	0	0	0	0	0	0	NM_134245	vomeronasal 1 receptor, I10 (V1ri10), mRNA.	Mme-M400006072	ILMN_2419707	0	0
171273	Vmn1r217	-0.102	0.019	0.063	0	0	0	0	0	0	NM_134239	vomeronasal 1 receptor, H14 (V1rh14), mRNA.	Mme-M400007064	ILMN_2861703	0	0
171256	Vmn1r218	-0.002	0.063	0.041	0	0	0	0	0	0	NM_134222	vomeronasal 1 receptor, I5 (V1ri5), mRNA.	Mme-M400008870	ILMN_2450664	0	0
171272	Vmn1r219	0.012	0.024	0.052	0	0	0	0	0	0	NM_134238	vomeronasal 1 receptor, H13 (V1rh13), mRNA.	Mme-M300015642	ILMN_1232228	0	0
171196	Vmn1r22	0.256	-0.107	-0.043	0	0	0	0	0	0	NM_134178	vomeronasal 1 receptor, C23 (V1rc23), mRNA.	Mme-M400006774	ILMN_3004983	0	0
171271	Vmn1r220	-0.212	0.082	0.043	0	0	0	0	0	0	NM_134237	vomeronasal 1 receptor, H12 (V1rh12), mRNA.	Mme-M400005902	ILMN_2785828	0	0
171274	Vmn1r222	0.050	0.130	-0.113	0	0	0	0	0	0	NM_134240	vomeronasal 1 receptor, H16 (V1rh16), mRNA.	Mme-M400008871	ILMN_1232254	0	0
171228	Vmn1r225	-0.203	0.045	0.000	0	0	0	0	0	0	NM_134194	vomeronasal 1 receptor, E5 (V1re5), mRNA.	Mme-M400002764	ILMN_1224906	0	0
171225	Vmn1r226	-0.198	-0.056	-0.057	0	0	0	0	0	0	NM_134191	vomeronasal 1 receptor, E2 (V1re2), mRNA.	Mme-M400002679	ILMN_2823366	0	0
171229	Vmn1r227	-0.042	0.016	-0.029	0	0	0	0	0	0	NM_134195	vomeronasal 1 receptor, E6 (V1re6), mRNA.	Mme-M400011851	ILMN_1227431	0	0
171226	Vmn1r228	-0.175	0.063	0.021	0	0	0	0	0	0	NM_134192	vomeronasal 1 receptor, E3 (V1re3), mRNA.	Mme-M400007156	ILMN_2515901	0	0
171224	Vmn1r229	-0.007	0.002	0.068	0	0	0	0	0	0	NM_134190	vomeronasal 1 receptor, E1 (V1re1), mRNA.	Mme-M400007334	ILMN_1224914	0	0
171197	Vmn1r23	0.109	-0.075	0.033	0	0	0	0	0	0	NM_134179	vomeronasal 1 receptor, C24 (V1rc24), mRNA.	Mme-M400011846	ILMN_1222175	0	0
171231	Vmn1r230	0.101	-0.069	-0.046	0	0	0	0	0	0	NM_134197	vomeronasal 1 receptor, E8 (V1re8), mRNA.	Mme-M300016378	ILMN_1217421	0	0
171230	Vmn1r231	0.021	-0.021	0.005	0	0	0	0	0	0	NM_134196	vomeronasal 1 receptor, E7 (V1re7), mRNA.	Mme-M300021589	ILMN_1255339	0	0
171227	Vmn1r232	0.038	-0.057	0.059	0	0	0	0	0	0	NM_134193	vomeronasal 1 receptor, E4 (V1re4), mRNA.	Mme-M400007711	ILMN_1256855	0	0
171236	Vmn1r233	-0.550	-0.032	0.030	0	0	0	0	0	0	NM_134202	vomeronasal 1 receptor, F5 (V1rf5), mRNA.	Mme-M400003055	ILMN_2422291	0	0
171232	Vmn1r234	0.096	-0.001	0.086	0	0	0	0	0	0	NM_134198	vomeronasal 1 receptor, F1 (V1rf1), mRNA.	Mme-M400005816	ILMN_1242477	0	0
171233	Vmn1r235	-0.107	-0.051	0.080	0	0	0	0	0	0	NM_134199	vomeronasal 1 receptor, F2 (V1rf2), mRNA.	Mme-M300020812	ILMN_2486295	0	0
171235	Vmn1r236	0.051	-0.024	0.006	0	0	0	0	0	0	NM_134201	vomeronasal 1 receptor, F4 (V1rf4), mRNA.	Mme-M400004718	ILMN_2458586	0	0
171234	Vmn1r237	-0.161	0.021	0.016	0	0	0	0	0	0	NM_134200	vomeronasal 1 receptor, F3 (V1rf3), mRNA.	Mme-M400006158	ILMN_2507665	0	0
171191	Vmn1r24	0.108	-0.092	0.016	0	0	0	0	0	0	NM_134173	vomeronasal 1 receptor, C18 (V1rc18), mRNA.	Mme-M400009421	ILMN_1247137	0	0
113865	Vmn1r25	0.025	0.079	-0.005	0	0	0	0	0	0	NM_053238	vomeronasal 1 receptor, C8 (V1rc8), mRNA.	Mme-M400007271	ILMN_2482362	0	0
171190	Vmn1r26	-0.090	0.054	0.011	0	0	0	0	0	0	NM_134172	vomeronasal 1 receptor, C17 (V1rc17), mRNA.	Mme-M300019477	ILMN_2474156	0	0
171206	Vmn1r27	-0.053	0.084	-0.048	0	0	0	0	0	0	NM_134436	vomeronasal 1 receptor, C33 (V1rc33), mRNA.	Mme-M400006190	ILMN_1257730	0	0
171198	Vmn1r28	-0.039	0.119	-0.072	0	0	0	0	0	0	NM_134180	vomeronasal 1 receptor, C25 (V1rc25), mRNA.	Mme-M400011847	ILMN_1233564	0	0
113859	Vmn1r29	0.094	-0.095	-0.024	0	0	0	0	0	0	NM_053232	vomeronasal 1 receptor, C2 (V1rc2), mRNA.	Mme-M400011777	ILMN_1224977	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
171195	Vmn1r30	-0.034	-0.085	-0.053	0	0	0	0	0	0	NM_134177	vomeronasal 1 receptor, C22 (V1rc22), mRNA.	Mme-M400011845	ILMN_2899011	0	0
171188	Vmn1r32	-0.082	0.045	-0.031	0	0	0	0	0	0	NM_134170	vomeronasal 1 receptor, C15 (V1rc15), mRNA.	Mme-M400008028	ILMN_2489903	0	0
171187	Vmn1r33	-0.073	0.027	-0.033	0	0	0	0	0	0	NM_134169	vomeronasal 1 receptor, C14 (V1rc14), mRNA.	Mme-M400011842	ILMN_2490145	0	0
171185	Vmn1r35	-0.057	-0.102	0.108	0	0	0	0	0	0	NM_134167	vomeronasal 1 receptor, C12 (V1rc12), mRNA.	Mme-M400009423	ILMN_1242608	0	0
171184	Vmn1r36	-0.181	-0.020	-0.015	0	0	0	0	0	0	NM_134166	vomeronasal 1 receptor, C11 (V1rc11), mRNA.	Mme-M400008497	ILMN_1254573	0	0
171183	Vmn1r37	0.080	0.030	-0.020	0	0	0	0	0	0	NM_134165	vomeronasal 1 receptor, C10 (V1rc10), mRNA.	Mme-M400005998	ILMN_3024850	0	0
171186	Vmn1r38	0.030	0.050	-0.058	0	0	0	0	0	0	NM_134168	vomeronasal 1 receptor, C13 (V1rc13), mRNA.	Mme-M400011841	ILMN_2491429	0	0
171194	Vmn1r4	0.146	0.052	0.060	0	0	0	0	0	0	NM_134176	vomeronasal 1 receptor, C21 (V1rc21), mRNA.	Mme-M400006550	ILMN_1222122	0	0
113855	Vmn1r40	0.014	0.006	-0.013	0	0	0	0	0	0	NM_053228	vomeronasal 1 receptor, B7 (V1rb7), mRNA.	Mme-M400006860	ILMN_1254954	0	0
113857	Vmn1r41	0.152	-0.073	0.081	0	0	0	0	0	0	NM_053230	vomeronasal 1 receptor, B9 (V1rb9), mRNA.	Mme-M400011775	ILMN_2869205	0	0
113848	Vmn1r42	0.104	-0.040	0.126	0	0	0	0	0	0	NM_053221	vomeronasal 1 receptor, A6 (V1ra6), mRNA.	Mme-M400006142	ILMN_1248443	0	0
113854	Vmn1r44	0.027	0.011	0.090	0	0	0	0	0	0	NM_053227	vomeronasal 1 receptor, B4 (V1rb4), mRNA.	Mme-M400006442	ILMN_2492216	0	0
22297	Vmn1r45	-0.358	-0.100	-0.043	0	0	0	0	0	0	NM_011684	vomeronasal 1 receptor, A2 (V1ra2), mRNA.	Mme-M200003957	ILMN_2493980	0	0
113856	Vmn1r46	0.133	-0.020	-0.082	0	0	0	0	0	0	NM_053229	vomeronasal 1 receptor, B8 (V1rb8), mRNA.	Mme-M400007469	ILMN_1230115	0	0
113846	Vmn1r47	-0.056	-0.030	-0.089	0	0	0	0	0	0	NM_053219	vomeronasal 1 receptor, A4 (V1ra4), mRNA.	Mme-M400009439	ILMN_1241623	0	0
113845	Vmn1r48	-0.402	-0.050	-0.023	0	0	0	0	0	0	NM_053218	vomeronasal 1 receptor, A3 (V1ra3), mRNA.	Mme-M400009440	ILMN_2922230	0	0
24112	Vmn1r49	-0.432	0.045	-0.119	0	0	0	0	0	0	NM_011911	vomeronasal 1, receptor B2 (V1rb2), mRNA.	Mme-M400007108	ILMN_2503689	0	0
171192	Vmn1r5	-0.034	0.033	0.028	0	0	0	0	0	0	NM_134174	vomeronasal 1 receptor, C19 (V1rc19), mRNA.	Mme-M400011843	ILMN_1257856	0	0
113852	Vmn1r50	0.198	0.050	-0.058	0	0	0	0	0	0	NM_053225	vomeronasal 1 receptor, B1 (V1rb1), mRNA.	Mme-M400006405	ILMN_2902392	0	0
22296	Vmn1r51	-0.037	0.015	0.027	0	0	0	0	0	0	NM_011683	vomeronasal 1 receptor, A1 (V1ra1), mRNA.	Mme-M300015351	ILMN_2931315	0	0
113849	Vmn1r52	-0.058	-0.005	0.068	0	0	0	0	0	0	NM_053222	vomeronasal 1 receptor, A7 (V1ra7), mRNA.	Mme-M400009441	ILMN_2423356	0	0
113853	Vmn1r53	0.124	0.025	-0.054	0	0	0	0	0	0	NM_053226	vomeronasal 1 receptor, B3 (V1rb3), mRNA.	Mme-M400006028	ILMN_2486080	0	0
81015	Vmn1r56	-0.197	0.026	-0.020	0	0	0	0	0	0	NM_030740	vomeronasal 1 receptor, D3 (V1rd3), mRNA.	Mme-M400007241	ILMN_1257296	0	0
81014	Vmn1r58	-0.209	0.193	0.207	0	0	0	0	0	0	NM_030739	vomeronasal 1 receptor, D4 (V1rd4), mRNA.	Mme-M400007345	ILMN_2898958	0	0
404284	Vmn1r59	0.009	0.023	0.006	0	0	0	0	0	0	NM_207543	vomeronasal 1 receptor, D10 (V1rd10), mRNA.	Mme-M400012650	ILMN_2477036	0	0
171193	Vmn1r6	-0.011	-0.077	0.092	0	0	0	0	0	0	NM_134175	vomeronasal 1 receptor, C20 (V1rc20), mRNA.	Mme-M400011844	ILMN_2486589	0	0
81016	Vmn1r62	-0.365	0.100	0.045	0	0	0	0	0	0	NM_030741	vomeronasal 1 receptor, D2 (V1rd2), mRNA.	Mme-M400011712	ILMN_1256964	0	0
81017	Vmn1r63	-0.223	-0.073	-0.020	0	0	0	0	0	0	NM_030742	vomeronasal 1 receptor, D1 (V1rd1), mRNA.	Mme-M400003258	ILMN_2506628	0	0
404285	Vmn1r64	0.212	0.000	-0.029	0	0	0	0	0	0	NM_207544	vomeronasal 1 receptor, D11 (V1rd11), mRNA.	Mme-M400006322	ILMN_1220428	0	0
81013	Vmn1r65	0.601	0.260	0.205	0	0	0	0	0	0	NM_030738	vomeronasal 1 receptor, D6 (V1rd6), mRNA.	Mme-M400011711	ILMN_2971043	0	0
171264	Vmn1r66	-0.124	0.014	0.045	0	0	0	0	0	0	NM_134230	vomeronasal 1 receptor, E11 (V1re11), mRNA.	Mme-M400002698	ILMN_2443381	0	0
171263	Vmn1r67	0.014	-0.044	-0.035	0	0	0	0	0	0	NM_134229	vomeronasal 1 receptor, E10 (V1re10), mRNA.	Mme-M400003197	ILMN_1248701	0	0
252904	Vmn1r69	0.013	-0.010	-0.024	0	0	0	0	0	0	NM_145842	vomeronasal 1 receptor, E9 (V1re9), mRNA.	Mme-M400003240	ILMN_1233229	0	0
171262	Vmn1r70	-0.091	-0.109	0.075	0	0	0	0	0	0	NM_134228	vomeronasal 1 receptor, L1 (V1rl1), mRNA.	Mme-M300016300	ILMN_1213222	0	0
252910	Vmn1r71	0.031	-0.041	-0.007	0	0	0	0	0	0	NM_145848	vomeronasal 1 receptor, E13 (V1re13), mRNA.	Mme-M400006703	ILMN_2512743	0	0
252905	Vmn1r72	-0.072	0.018	0.016	0	0	0	0	0	0	NM_145843	vomeronasal 1 receptor, G1 (V1rg1), mRNA.	Mme-M400003505	ILMN_2995511	0	0
171237	Vmn1r73	-0.019	0.134	-0.029	0	0	0	0	0	0	NM_134203	vomeronasal 1 receptor, G2 (V1rg2), mRNA.	Mme-M400003862	ILMN_2467955	0	0
171240	Vmn1r74	-0.011	0.043	0.027	0	0	0	0	0	0	NM_134206	vomeronasal 1 receptor, G5 (V1rg5), mRNA.	Mme-M400003328	ILMN_2838831	0	0
171241	Vmn1r75	-0.269	0.089	0.107	0	0	0	0	0	0	NM_134207	vomeronasal 1 receptor, G6 (V1rg6), mRNA.	Mme-M400002738	ILMN_1245439	0	0
171239	Vmn1r76	-0.130	0.007	-0.061	0	0	0	0	0	0	NM_134205	vomeronasal 1 receptor, G4 (V1rg4), mRNA.	Mme-M400003068	ILMN_2460929	0	0
171242	Vmn1r78	-0.269	0.002	-0.056	0	0	0	0	0	0	NM_134208	vomeronasal 1 receptor, G7 (V1rg7), mRNA.	Mme-M400007449	ILMN_2885830	0	0
171205	Vmn1r8	-0.335	-0.050	-0.056	0	0	0	0	0	0	NM_134187	vomeronasal 1 receptor, C32 (V1rc32), mRNA.	Mme-M400011850	ILMN_2483806	0	0
171238	Vmn1r80	-0.072	0.005	-0.007	0	0	0	0	0	0	NM_134204	vomeronasal 1 receptor, G3 (V1rg3), mRNA.	Mme-M400005794	ILMN_2452957	0	0
171244	Vmn1r81	-0.046	-0.054	-0.043	0	0	0	0	0	0	NM_134210	vomeronasal 1 receptor, G9 (V1rg9), mRNA.	Mme-M400011853	ILMN_1220012	0	0
171268	Vmn1r82	-0.347	0.009	-0.061	0	0	0	0	0	0	NM_134234	vomeronasal 1 receptor, G12 (V1rg12), mRNA.	Mme-M300019843	ILMN_2479442	0	0
171243	Vmn1r83	0.008	0.076	-0.001	0	0	0	0	0	0	NM_134209	vomeronasal 1 receptor, G8 (V1rg8), mRNA.	Mme-M400011852	ILMN_1256776	0	0
171267	Vmn1r84	0.042	-0.070	-0.057	0	0	0	0	0	0	NM_134233	vomeronasal 1 receptor, G11 (V1rg11), mRNA.	Mme-M400011861	ILMN_1220897	0	0
252909	Vmn1r85	0.044	0.094	-0.046	0	0	0	0	0	0	NM_145847	vomeronasal 1 receptor, J3 (V1rj3), mRNA.	Mme-M300014848	ILMN_2417190	0	0
171261	Vmn1r87	-0.424	-0.030	0.030	0	0	0	0	0	0	NM_134227	vomeronasal 1 receptor, K1 (V1rk1), mRNA.	Mme-M300018575	ILMN_1231428	0	0
171260	Vmn1r89	0.032	-0.006	-0.073	0	0	0	0	0	0	NM_134226	vomeronasal 1 receptor, J2 (V1rj2), mRNA.	Mme-M400011860	ILMN_2503699	0	0
627280	Vmn1r90	-0.172	0.015	0.020	0	0	0	0	0	0	NM_001039146	RIKEN cDNA B430211C08 gene (B430211C08Rik), mRNA.	Mme-M200015516	ILMN_2901576	0	0
404290	Vmn1r93	0.060	0.084	0.086	0	0	0	0	0	0	NM_207547	vomeronasal 1 receptor, D21 (V1rd21), mRNA.	Mme-M400009478	ILMN_2949970	0	0
171245	Vmn1r-ps103	-0.075	-0.041	-0.042	0	0	0	0	0	0	XM_001471794	PREDICTED: vomeronasal 1 receptor, H1 (V1rh1), mRNA.	Mme-M400011854	ILMN_2431594	0	0
56544	Vmn2r1	-0.127	-0.093	-0.030	0	0	0	0	0	0	NM_019918	vomeronasal 2, receptor 1 (Vmn2r1), mRNA.	Mme-M300005800	ILMN_1259367	0	0
627576	Vmn2r101	0.120	0.016	-0.013	0	0	0	0	0	0	NM_001104563	vomeronasal 2, receptor 101 (Vmn2r101), mRNA.	Mme-M400004721	ILMN_2534840	0	0
627743	Vmn2r105	-0.100	0.035	-0.041	0	0	0	0	0	0	NM_001104567	vomeronasal 2, receptor 105 (Vmn2r105), mRNA.	Mme-M400000682	ILMN_1229317	0	0
224576	Vmn2r106	-0.355	-0.027	0.004	0	0	0	0	0	0	NM_001104568	vomeronasal 2, receptor 106 (Vmn2r106), mRNA.	Mme-M400000683	ILMN_1215517	0	0
628185	Vmn2r112	0.066	0.016	0.059	0	0	0	0	0	0	NM_001104575	vomeronasal 2, receptor 112 (Vmn2r112), mRNA.	Mme-M400003710	ILMN_2530517	0	0
383258	Vmn2r118	-0.043	-0.018	-0.053	0	0	0	0	0	0	NM_001104582	vomeronasal 2, receptor 118 (Vmn2r118), mRNA.	Mme-M400001566	ILMN_2538924	0	0
224916	Vmn2r120	-0.470	0.101	0.028	0	0	0	0	0	0	NM_001104591	vomeronasal 2, receptor 120 (Vmn2r120), mRNA.	Mme-M400000193	ILMN_1217085	0	0
22308	Vmn2r122	-0.597	-0.043	-0.074	0	0	0	0	0	0	NM_009488	vomeronasal 2, receptor, 122 (Vmn2r122), transcript variant 1, mRNA.	Mme-M400002782	ILMN_2478483	0	0
22300	Vmn2r123	-0.191	-0.001	0.071	0	0	0	0	0	0	NM_009485	vomeronasal 2, receptor, 1 (V2r1), mRNA.	Mme-M400005295	ILMN_2500445	0	0
384220	Vmn2r16	-0.479	-0.037	0.014	0	0	0	0	0	0	NM_001104627	vomeronasal 2, receptor 16 (Vmn2r16), mRNA.	Mme-M400007420	ILMN_2537652	0	0
56552	Vmn2r26	-0.339	0.058	0.097	0	0	0	0	0	0	NM_019917	vomeronasal 2, receptor 26 (Vmn2r26), mRNA.	Mme-M400001224	ILMN_2473327	0	0
22306	Vmn2r30	-0.086	-0.014	-0.027	0	0	0	0	0	0	NM_009490	vomeronasal 2, receptor 30 (Vmn2r30), mRNA.	Mme-M400009474	ILMN_1243060	0	0
22310	Vmn2r42	-0.353	-0.026	0.048	0	0	0	0	0	0	NM_009493	vomeronasal 2, receptor 42 (Vmn2r42), mRNA.	Mme-M400008315	ILMN_1213564	0	0
381838	Vmn2r43	-0.212	0.059	0.154	0	0	0	0	0	0	NM_198961	vomeronasal 2, receptor 43 (Vmn2r43), mRNA.	Mme-M400009473	ILMN_3072514	0	0
637908	Vmn2r53	0.091	0.005	-0.048	0	0	0	0	0	0	NM_001104644	vomeronasal 2, receptor 53 (Vmn2r53), mRNA.	Mme-M400007739	ILMN_1255518	0	0
629079	Vmn2r56	0.123	-0.060	0.050	0	0	0	0	0	0	NM_001104648	vomeronasal 2, receptor 56 (Vmn2r56), mRNA.	Mme-M400005516	ILMN_1258395	0	0
330581	Vmn2r69	0.097	-0.049	0.023	0	0	0	0	0	0	NM_001105182	vomeronasal 2, receptor 69 (Vmn2r69), mRNA.	Mme-M400002126	ILMN_1232690	0	0
319217	Vmn2r7	-0.257	-0.074	0.073	0	0	0	0	0	0	NM_175674	vomeronasal 2, receptor 7 (Vmn2r7), mRNA.	Mme-M400004300	ILMN_2756531	0	0
233445	Vmn2r71	-0.243	-0.049	0.113	0	0	0	0	0	0	NM_001105184	vomeronasal 2, receptor 71 (Vmn2r71), mRNA.	Mme-M400002286	ILMN_1216529	0	0
244114	Vmn2r72	-0.054	-0.027	-0.024	0	0	0	0	0	0	NM_001105185	vomeronasal 2, receptor 72 (Vmn2r72), mRNA.	Mme-M400004305	ILMN_1221641	0	0
546980	Vmn2r74	0.045	0.095	-0.065	0	0	0	0	0	0	NM_001105187	vomeronasal 2, receptor 74 (Vmn2r74), mRNA.	Mme-M400002123	ILMN_1243092	0	0
546981	Vmn2r75	-0.384	0.029	0.025	0	0	0	0	0	0	NM_001102578	vomeronasal 2, receptor 75 (Vmn2r75), mRNA.	Mme-M400002125	ILMN_2532972	0	0
637896	Vmn2r78	-0.185	0.002	-0.084	0	0	0	0	0	0	NM_001105189	vomeronasal 2, receptor 78 (Vmn2r78), mRNA.	Mme-M400001295	ILMN_1256588	0	0
624765	Vmn2r80	-0.011	0.017	0.002	0	0	0	0	0	0	NM_001103368	vomeronasal 2, receptor 80 (Vmn2r80), mRNA.	Mme-M400000381	ILMN_2541777	0	0
216144	Vmn2r81	-0.264	0.030	0.032	0	0	0	0	0	0	NM_175936	vomeronasal 2, receptor 81 (Vmn2r81), mRNA.	Mme-M400005211	ILMN_2822796	0	0
625029	Vmn2r83	-0.152	-0.038	0.134	0	0	0	0	0	0	NM_001104537	vomeronasal 2, receptor 83 (Vmn2r83), mRNA.	Mme-M400000380	ILMN_1218214	0	0
669149	Vmn2r88	-0.407	0.002	0.067	0	0	0	0	0	0	NM_011686	vomeronasal 2, receptor 88 (Vmn2r88), mRNA.	Mme-M400000018	ILMN_1234921	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
22301	Vmn2r89	-0.035	-0.051	0.152	0	0	0	0	0	0	NM_009486	vomeronasal 2, receptor 89 (Vmn2r89), transcript variant 1, mRNA.	Mme-M400010938	ILMN_2440838	0	0
626942	Vmn2r90	-0.176	0.073	0.005	0	0	0	0	0	0	NM_001104539	vomeronasal 2, receptor 90 (Vmn2r90), mRNA.	Mme-M400005687	ILMN_1224569	0	0
433070	Vmn2r96	-0.008	-0.068	-0.018	0	0	0	0	0	0	NM_001104547	vomeronasal 2, receptor 96 (Vmn2r96), mRNA.	Mme-M400004445	ILMN_1253416	0	0
327956	Vmo1	0.263	-1.180	-0.097	0	-1	0	0	-1	0	NM_001013607	vitelline membrane outer layer 1 homolog (chicken) (Vmo1), mRNA.	Mme-M300002417	ILMN_2936105	0	1
75909	Vmp1	-0.096	0.200	-0.115	0	0	0	0	0	0	NM_029478	transmembrane protein 49 (Tmem49), mRNA.	Mme-M200004933	ILMN_2616768	0	0
22361	Vnn1	-0.208	-0.023	0.021	0	0	0	0	0	0	NM_011704	vanin 1 (Vnn1), mRNA.	Mme-M200005441	ILMN_2455422	0	0
26464	Vnn3	-0.293	0.083	0.041	0	0	0	0	0	0	NM_011979	vanin 3 (Vnn3), mRNA.	Mme-M200005510	ILMN_2491202	0	0
232023	Vopp1	0.189	0.095	-0.075	0	0	0	0	0	0	NM_146168	expressed sequence AW146242 (AW146242), mRNA.	Mme-M300011121	ILMN_2735429	0	0
321006	Vprbp	-0.084	-0.014	0.043	0	0	0	0	0	0	NM_001015507	Vpr (HIV-1) binding protein (Vprbp), mRNA.	Mme-M300012608	ILMN_3160268	0	0
22362	Vpreb1	0.081	-0.097	0.064	0	0	0	0	0	0	NM_016982	pre-B lymphocyte gene 1 (Vpreb1), mRNA.	Mme-M400011281	ILMN_2846485	0	0
22363	Vpreb2	0.026	0.094	-0.018	0	0	0	0	0	0	NM_016983	pre-B lymphocyte gene 2 (Vpreb2), mRNA.	Mme-M400011282	ILMN_2428897	0	0
22364	Vpreb3	0.127	-0.084	0.154	0	0	0	0	0	0	NM_009514	pre-B lymphocyte gene 3 (Vpreb3), mRNA.	Mme-M200000346	ILMN_2469253	0	0
71732	Vps11	0.044	0.125	-0.020	0	0	0	0	0	0	NM_027889	vacuolar protein sorting 11 (yeast) (Vps11), mRNA.	Mme-M300008094	ILMN_3161554	0	0
320528	Vps13c	-0.336	-0.156	0.064	0	0	0	0	0	0	NM_177184	vacuolar protein sorting 13C (yeast) (Vps13c), mRNA.	Mme-M300009835	ILMN_2479134	0	0
80743	Vps16	0.226	0.166	-0.063	0	0	0	0	0	0	NM_030559	vacuolar protein sorting 16 (yeast) (Vps16), mRNA.	Mme-M200007085	ILMN_2893683	0	0
228545	Vps18	-0.114	-0.247	-0.073	0	0	0	0	0	0	NM_172269	vacuolar protein sorting 18 (yeast) (Vps18), mRNA.	Mme-M300009220	ILMN_2473755	0	0
28084	Vps25	0.095	-0.017	-0.047	0	0	0	0	0	0	NM_026776	vacuolar protein sorting 25 (yeast) (Vps25), mRNA.	Mme-M200012636	ILMN_3000008	0	0
30930	Vps26a	0.106	-0.058	0.160	0	0	0	0	0	0	NM_133672	vacuolar protein sorting 26 homolog A (yeast) (Vps26a), transcript variant 1, mRNA.	Mme-M200005529	ILMN_1251809	0	0
69091	Vps26b	0.199	0.038	-0.002	0	0	0	0	0	0	NM_178027	vacuolar protein sorting 26 homolog B (yeast) (Vps26b), mRNA.	Mme-M300008015	ILMN_2631192	0	0
66914	Vps28	0.194	0.045	0.060	0	0	0	0	0	0	NM_025842	vacuolar protein sorting 28 (yeast) (Vps28), mRNA.	Mme-M200006791	ILMN_1226704	0	0
56433	Vps29	-0.010	0.183	-0.059	0	0	0	0	0	0	NM_019780	vacuolar protein sorting 29 (S. pombe) (Vps29), mRNA.	Mme-M200005961	ILMN_2955883	0	0
77573	Vps33a	0.161	0.223	-0.031	0	0	0	0	0	0	NM_029929	vacuolar protein sorting 33A (yeast) (Vps33a), mRNA.	Mme-M200013564	ILMN_2865558	0	0
233405	Vps33b	0.196	0.088	-0.108	0	0	0	0	0	0	NM_178070	vacuolar protein sorting 33B (yeast) (Vps33b), mRNA.	Mme-M300007286	ILMN_2864844	0	0
65114	Vps35	0.234	-0.125	0.113	0	0	0	0	0	0	NM_022997	vacuolar protein sorting 35 (Vps35), mRNA.	Mme-M200011977	ILMN_1252737	0	0
70160	Vps36	0.101	-0.096	0.072	0	0	0	0	0	0	NM_027338	vacuolar protein sorting 36 (yeast) (Vps36), mRNA.	Mme-M200013601	ILMN_1240149	0	0
52348	Vps37a	0.183	-0.053	-0.064	0	0	0	0	0	0	NM_033560	vacuolar protein sorting 37A (yeast) (Vps37a), mRNA.	Mme-M300007818	ILMN_1244133	0	0
330192	Vps37b	0.133	0.051	-0.044	0	0	0	0	0	0	NM_177876	vacuolar protein sorting 37B (yeast) (Vps37b), mRNA.	Mme-M300011396	ILMN_2681670	0	0
107305	Vps37c	-0.238	0.171	0.009	0	0	0	0	0	0	NM_181403	vacuolar protein sorting 37C (yeast) (Vps37c), mRNA.	Mme-M300019614	ILMN_2675152	0	0
194309	Vps37d	-0.440	0.113	-0.213	0	0	0	0	0	0	NM_177574	vacuolar protein sorting 37D (yeast) (Vps37d), mRNA.	Mme-M300014679	ILMN_1234930	0	0
269338	Vps39	-0.071	0.066	-0.083	0	0	0	0	0	0	NM_178851	vacuolar protein sorting 39 (yeast) (Vps39), transcript variant 2, mRNA.	Mme-M300005568	ILMN_2441359	0	0
218035	Vps41	0.023	-0.031	0.253	0	0	0	0	0	0	NM_172120	vacuolar protein sorting 41 (yeast) (Vps41), mRNA.	Mme-M300013077	ILMN_1257279	0	0
22365	Vps45	0.015	0.049	0.060	0	0	0	0	0	0	NM_013841	vacuolar protein sorting 45 (yeast) (Vps45), mRNA.	Mme-M200000984	ILMN_2519345	0	0
116733	Vps4a	-0.068	0.055	-0.111	0	0	0	0	0	0	NM_126165	vacuolar protein sorting 4a (yeast) (Vps4a), mRNA.	Mme-M200004894	ILMN_2505668	0	0
20479	Vps4b	-0.200	-0.134	0.032	0	0	0	0	0	0	NM_009190	vacuolar protein sorting 4b (yeast) (Vps4b), mRNA.	Mme-M300001072	ILMN_2455501	0	0
68505	Vps51	0.045	0.065	0.097	0	0	0	0	0	0	NM_001081041	RIKEN cDNA 1110014N23 gene (1110014N23Rik), mRNA.	Mme-M300004331	ILMN_2607450	0	0
224705	Vps52	0.115	0.080	0.042	0	0	0	0	0	0	NM_172620	vacuolar protein sorting 52 (yeast) (Vps52), mRNA.	Mme-M300004060	ILMN_2486231	0	0
68299	Vps53	0.113	-0.100	-0.046	0	0	0	0	0	0	NM_026664	vacuolar protein sorting 53 (yeast) (Vps53), mRNA.	Mme-M300001568	ILMN_2655295	0	0
245944	Vps54	-0.058	-0.052	0.053	0	0	0	0	0	0	NM_139061	vacuolar protein sorting 54 (yeast) (Vps54), mRNA.	Mme-M200013047	ILMN_2451470	0	0
21427	Vps72	0.099	0.062	0.014	0	0	0	0	0	0	NM_009336	vacuolar protein sorting 72 (yeast) (Vps72), mRNA.	Mme-M200009168	ILMN_1225831	0	0
209018	Vps8	-0.072	-0.082	-0.089	0	0	0	0	0	0	NM_001081366	vacuolar protein sorting 8 homolog (S. cerevisiae) (Vps8), mRNA.	Mme-M300008882	ILMN_2668189	0	0
72325	Vps9d1	0.212	0.156	-0.048	0	0	0	0	0	0	XM_902711	PREDICTED: RIKEN cDNA 1300018I17 gene, transcript variant 7 (1300018I17Rik), mRNA.	Mme-M200014186	ILMN_2654443	0	0
22367	Vrk1	-0.071	-0.002	0.079	0	0	0	0	0	0	NM_011705	vaccinia related kinase 1 (Vrk1), transcript variant 1, mRNA.	Mme-M300002565	ILMN_2488125	0	0
69922	Vrk2	0.287	0.200	0.080	0	0	0	0	0	0	NM_027260	vaccinia related kinase 2 (Vrk2), mRNA.	Mme-M300002015	ILMN_2943699	0	0
101568	Vrk3	0.106	-0.160	-0.235	0	0	0	0	0	0	NM_133945	vaccinia related kinase 3 (Vrk3), mRNA.	Mme-M200006179	ILMN_3160881	0	0
432677	Vrtn	-0.182	0.055	-0.117	0	0	0	0	0	0	NM_001033776	RIKEN cDNA 7420416P09 gene (7420416P09Rik), mRNA.	Mme-M400000644	ILMN_3162257	0	0
78789	Vsig1	-0.155	-0.005	-0.006	0	0	0	0	0	0	NM_030181	V-set and immunoglobulin domain containing 1 (Vsig1), mRNA.	Mme-M300007708	ILMN_1236731	0	0
57276	Vsig2	-0.168	0.073	0.064	0	0	0	0	0	0	NM_020518	V-set and immunoglobulin domain containing 2 (Vsig2), mRNA.	Mme-M300000249	ILMN_1245518	0	0
278180	Vsig4	-0.334	0.097	-0.090	0	0	0	0	0	0	NM_177789	V-set and immunoglobulin domain containing 4 (Vsig4), mRNA.	Mme-M300015237	ILMN_1241350	0	0
240916	Vsig8	-0.135	-0.080	0.055	0	0	0	0	0	0	NM_177723	V-set and immunoglobulin domain containing 8 (Vsig8), mRNA.	Mme-M300020341	ILMN_2824741	0	0
26950	Vsnl1	0.018	0.191	0.037	0	0	0	0	0	0	NM_012038	visinin-like 1 (Vsnl1), mRNA.	Mme-M200005389	ILMN_2438724	0	0
211739	Vstm2a	0.162	0.278	-0.068	0	0	0	0	0	0	NM_145967	V-set and transmembrane domain containing 2A (Vstm2a), mRNA.	Mme-M300019616	ILMN_2725902	0	0
58188	Vstm2b	-0.143	-0.190	0.130	0	0	0	0	0	0	NM_021387	V-set and transmembrane domain containing 2B (Vstm2b), mRNA.	Mme-M300012068	ILMN_1251276	0	0
277432	Vstm2l	-0.194	-0.324	-0.064	0	0	0	0	0	0	NM_198627	V-set and transmembrane domain containing 2-like (Vstm2l), mRNA.	Mme-M400002068	ILMN_2734090	0	0
320736	Vstm4	-0.235	-0.385	0.242	0	0	0	0	0	0	NM_178791	RIKEN cDNA E130203B14 gene (E130203B14Rik), mRNA.	Mme-M300021343	ILMN_1246821	0	0
69137	Vstm5	-0.149	0.080	-0.010	0	0	0	0	0	0	NM_026955	RIKEN cDNA 2200002K05 gene (2200002K05Rik), mRNA.	Mme-M300007985	ILMN_1256157	0	0
114889	Vsx1	-0.113	-0.088	0.066	0	0	0	0	0	0	NM_054068	visual system homeobox 1 homolog (zebrafish) (Vsx1), mRNA.	Mme-M200013161	ILMN_2511563	0	0
12677	Vsx2	-0.016	0.136	0.072	0	0	0	0	0	0	NM_007701	visual system homeobox 2 (Vsx2), mRNA.	Mme-M200001724	ILMN_2677397	0	0
66201	Vta1	-0.084	0.024	-0.013	0	0	0	0	0	0	NM_025418	Vps20-associated 1 homolog (S. cerevisiae) (Vta1), mRNA.	Mme-M300001866	ILMN_2679823	0	0
242122	Vtcn1	-0.087	-0.075	0.044	0	0	0	0	0	0	NM_178594	V-set domain containing T cell activation inhibitor 1 (Vtcn1), mRNA.	Mme-M300021732	ILMN_2673621	0	0
53611	Vti1a	-0.138	-0.020	-0.090	0	0	0	0	0	0	NM_016862	vesicle transport through interaction with t-SNAREs homolog 1A (yeast) (Vti1a), mRNA.	Mme-M200003206	ILMN_2925275	0	0
53612	Vti1b	0.283	-0.215	0.203	0	0	0	0	0	0	NM_016800	vesicle transport through interaction with t-SNAREs 1B homolog (Vti1b), mRNA.	Mme-M200002389	ILMN_1224112	0	0
22370	Vtn	0.051	-0.275	0.004	0	0	0	0	0	0	NM_011707	vitronectin (Vtn), mRNA.	Mme-M200001418	ILMN_1234111	0	0
246228	Vwa1	0.138	0.083	0.159	0	0	0	0	0	0	NM_147776	von Willebrand factor A domain containing 1 (Vwa1), mRNA.	Mme-M200005285	ILMN_1227576	0	0
240675	Vwa2	-0.335	0.124	0.068	0	0	0	0	0	0	NM_172840	von Willebrand factor A domain containing 2 (Vwa2), mRNA.	Mme-M400000795	ILMN_1222725	0	0
233813	Vwa3a	-0.076	-0.153	0.048	0	0	0	0	0	0	NM_177697	von Willebrand factor A domain containing 3A (Vwa3a), mRNA.	Mme-M300007484	ILMN_2717788	0	0
67776	Vwa5a	0.011	-0.020	-0.018	0	0	0	0	0	0	NM_172767	loss of heterozygosity, 11, chromosomal region 2, gene A homolog (human) (Loh11cr2a), mRNA.	Mme-M300003697	ILMN_2850792	0	0
328643	Vwa5b2	-0.005	0.073	-0.159	0	0	0	0	0	0	NM_182636	cDNA sequence BC052055 (BC052055), mRNA.	Mme-M400012529	ILMN_2957299	0	0
27762	Vwa7	-0.316	0.053	0.116	0	0	0	0	0	0	NM_138582	DNA segment, Chr 17, human D6S56E 3 (D17H6S56E-3), mRNA.	Mme-M200014844	ILMN_2889044	0	0
219189	Vwa8	0.096	-0.171	0.113	0	0	0	0	0	0	XM_915363	PREDICTED: RIKEN cDNA 1300010F03 gene (1300010F03Rik), mRNA.	Mme-M300010416	ILMN_1249480	0	0
69882	Vwa9	0.044	-0.132	-0.058	0	0	0	0	0	0	NM_001077631	RIKEN cDNA 2010321M09 gene (2010321M09Rik), transcript variant 2, mRNA.	Mme-M300009244	ILMN_3124226	0	0
320460	Vwc2l	-0.159	0.059	0.020	0	0	0	0	0	0	NM_177164	RIKEN cDNA A830006F12 gene (A830006F12Rik), mRNA.	Mme-M300016584	ILMN_2465282	0	0
71768	Vwce	-0.142	0.013	0.032	0	0	0	0	0	0	XM_889279	PREDICTED: von Willebrand factor C and EGF domains, transcript variant 2 (Vwce), mRNA.	Mme-M300004286	ILMN_1227319	0	0
232585	Vwde	0.070	0.078	-0.042	0	0	0	0	0	0	NM_001013757	gene model 467, (NCBI) (Gm467), mRNA.	Mme-M300015493	ILMN_3161621	0	0
22371	Vwf	0.099	-0.175	-0.049	0	0	0	0	0	0	NM_011708	Von Willebrand factor homolog (Vwf), mRNA.	Mme-M300000245	ILMN_2519673	0	0
225131	Wac	-0.009	-0.070	0.050	0	0	0	0	0	0	NM_153085	WW domain containing adaptor with coiled-coil (Wac), mRNA.	Mme-M200003325	ILMN_2494032	0	0
22373	Wap	-0.021	-0.020	0.050	0	0	0	0	0	0	NM_011709	whey acidic protein (Wap), mRNA.	Mme-M400000014	ILMN_1232780	0	0
218914	Wapal	0.131	-0.405	0.345	0	0	1	0	0	0	NM_001004436	wings apart-like homolog (Drosophila) (Wapal), mRNA.	Mme-M300013156	ILMN_2568488	0	0
22375	Wars	0.576	0.633	0.122	0	1	0	0	1	0	NM_011710	tryptophanyl-tRNA synthetase (Wars), mRNA.	Mme-M300002655	ILMN_3156343	1	0
70560	Wars2	0.060	-0.221	0.404	0	0	1	0	0	0	NM_027462	tryptophanyl tRNA synthetase 2 (mitochondrial) (Wars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200013452	ILMN_2888110	0	0
22376	Was	0.220	0.419	0.256	0	1	0	0	0	0	NM_009515	Wiskott-Aldrich syndrome homolog (human) (Was), mRNA.	Mme-M400001342	ILMN_2501489	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
83767	Wasf1	-0.171	0.026	0.051	0	0	0	0	0	0	NM_031877	WASP family 1 (Wasf1), mRNA.	Mme-M200013560	ILMN_1253093	0	0
242687	Wasf2	-0.042	-0.077	0.060	0	0	0	0	0	0	NM_153423	WAS protein family, member 2 (Wasf2), mRNA.	Mme-M300006337	ILMN_2495363	0	0
245880	Wasf3	-0.068	0.227	-0.123	0	0	0	0	0	0	NM_145155	WAS protein family, member 3 (Wasf3), mRNA.	Mme-M200015597	ILMN_2515285	0	0
68767	Wash1	0.049	0.285	-0.119	0	0	0	0	0	0	NM_001037757	open reading frame 19 (ORF19), transcript variant 2, mRNA.	Mme-M200008237	ILMN_3158633	0	0
73178	Wasl	0.166	-0.077	-0.077	0	0	0	0	0	0	NM_028459	Wiskott-Aldrich syndrome-like (human) (Wasl), mRNA.	Mme-M200000639	ILMN_1231129	0	0
22377	Wbp1	0.171	-0.049	-0.112	0	0	0	0	0	0	NM_001083923	WW domain binding protein 1 (Wbp1), transcript variant 3, mRNA.	Mme-M200000400	ILMN_2951120	0	0
60321	Wbp11	0.459	-0.110	-0.100	0	0	0	0	0	0	NM_021714	WW domain binding protein 11 (Wbp11), mRNA.	Mme-M200009337	ILMN_1213144	0	0
226178	Wbp1l	0.188	-0.170	-0.065	0	0	0	0	0	0	NM_146099	DNA segment, Chr 19, Wayne State University 162, expressed (D19Wsu162e), mRNA.	Mme-M300018567	ILMN_2416424	0	0
22378	Wbp2	-0.139	0.021	-0.098	0	0	0	0	0	0	NM_016852	WW domain binding protein 2 (Wbp2), mRNA.	Mme-M300009296	ILMN_1249698	0	0
74716	Wbp2nl	0.084	-0.016	-0.095	0	0	0	0	0	0	NM_029066	WBP2 N-terminal like (Wbp2nl), mRNA.	Mme-M200010845	ILMN_3004065	0	0
22380	Wbp4	-0.036	0.032	0.062	0	0	0	0	0	0	NM_018765	WW domain binding protein 4 (Wbp4), mRNA.	Mme-M200004016	ILMN_2462762	0	0
22381	Wbp5	0.499	0.300	-0.180	0	0	0	0	0	0	NM_011712	WW domain binding protein 5 (Wbp5), mRNA.	Mme-M300013846	ILMN_2429025	0	0
94254	Wbscr16	-0.253	-0.097	0.028	0	0	0	0	0	0	NM_033572	Williams-Beuren syndrome chromosome region 16 homolog (human) (Wbscr16), mRNA.	Mme-M200006515	ILMN_1222872	0	0
212996	Wbscr17	-0.162	0.241	-0.225	0	0	0	0	0	0	NM_145218	Williams-Beuren syndrome chromosome region 17 homolog (human) (Wbscr17), mRNA.	Mme-M300009109	ILMN_2474553	0	0
66138	Wbscr22	0.276	-0.044	0.162	0	0	0	0	0	0	NM_025375	Williams Beuren syndrome chromosome region 22 (Wbscr22), mRNA.	Mme-M300000673	ILMN_1250081	0	0
79565	Wbscr27	0.038	-0.234	-0.067	0	0	0	0	0	0	NM_024479	Williams Beuren syndrome chromosome region 27 (human) (Wbscr27), mRNA.	Mme-M200007522	ILMN_2518946	0	0
76629	Wbscr28	-0.262	-0.032	0.033	0	0	0	0	0	0	NM_029681	Williams-Beuren syndrome chromosome region 28 (human) (Wbscr28), transcript variant 2, mRNA.	Mme-M200011178	ILMN_2744628	0	0
69368	Wdfy1	-0.013	0.017	0.019	0	0	0	0	0	0	NM_027057	WD repeat and FYVE domain containing 1 (Wdfy1), transcript variant 2, mRNA.	Mme-M400000087	ILMN_2491914	0	0
268752	Wdfy2	-0.130	0.069	-0.007	0	0	0	0	0	0	NM_175546	WD repeat and FYVE domain containing 2 (Wdfy2), mRNA.	Mme-M300001309	ILMN_2484506	0	0
72145	Wdfy3	-0.179	-0.087	0.290	0	0	0	0	0	0	NM_172882	WD repeat and FYVE domain containing 3 (Wdfy3), mRNA.	Mme-M300014993	ILMN_2826414	0	0
218973	Wdhd1	0.057	0.078	0.066	0	0	0	0	0	0	NM_172598	WD repeat and HMG-box DNA binding protein 1 (Wdhd1), mRNA.	Mme-M300011003	ILMN_1245448	0	0
216560	Wdpcp	-0.124	0.078	-0.092	0	0	0	0	0	0	NM_145425	expressed sequence AV249152 (AV249152), mRNA.	Mme-M200007737	ILMN_2970672	0	0
22388	Wdr1	0.160	0.159	-0.123	0	0	0	0	0	0	NM_011715	WD repeat domain 1 (Wdr1), mRNA.	Mme-M200001010	ILMN_2460168	0	0
207425	Wdr11	-0.296	0.104	-0.045	0	0	0	0	0	0	NM_172255	bromodomain and WD repeat domain containing 2 (Brwd2), mRNA.	Mme-M300013476	ILMN_2476131	0	0
57750	Wdr12	-0.033	0.006	-0.059	0	0	0	0	0	0	NM_021312	WD repeat domain 12 (Wdr12), mRNA.	Mme-M300004902	ILMN_1259912	0	0
73447	Wdr13	0.236	0.112	0.077	0	0	0	0	0	0	NM_026137	WD repeat domain 13 (Wdr13), mRNA.	Mme-M200012045	ILMN_2507883	0	0
244484	Wdr17	-0.061	-0.078	-0.087	0	0	0	0	0	0	NM_028220	WD repeat domain 17 (Wdr17), mRNA.	Mme-M300012131	ILMN_1241564	0	0
216156	Wdr18	0.137	0.110	-0.139	0	0	0	0	0	0	NM_175450	WD repeat domain 18 (Wdr18), mRNA.	Mme-M300010076	ILMN_2782125	0	0
213081	Wdr19	0.192	-0.039	0.076	0	0	0	0	0	0	NM_153391	WD repeat domain 19 (Wdr19), mRNA.	Mme-M300011198	ILMN_2419604	0	0
69641	Wdr20	0.353	-0.019	0.048	0	0	0	0	0	0	NM_027149	WD repeat domain 20a (Wdr20a), mRNA.	Mme-M400002080	ILMN_2795022	0	0
70948	Wdr20rt	-0.130	-0.046	-0.061	0	0	0	0	0	0	NM_027614	WD repeat domain 20b (Wdr20b), mRNA.	Mme-M400001818	ILMN_1235032	0	0
268933	Wdr24	0.062	0.102	-0.101	0	0	0	0	0	0	NM_173741	WD repeat domain 24 (Wdr24), mRNA.	Mme-M300004741	ILMN_1213899	0	0
212198	Wdr25	-0.090	0.014	-0.108	0	0	0	0	0	0	XM_001474974	PREDICTED: WD repeat domain 25 (Wdr25), mRNA.	Mme-M400002878	ILMN_2727299	0	0
226757	Wdr26	0.198	-0.012	-0.027	0	0	0	0	0	0	NM_145514	WD repeat domain 26 (Wdr26), mRNA.	Mme-M200004063	ILMN_2464326	0	0
71682	Wdr27	-0.202	-0.018	0.043	0	0	0	0	0	0	NM_175173	WD repeat domain 27 (Wdr27), mRNA.	Mme-M300017859	ILMN_1217710	0	0
269470	Wdr3	-0.109	0.083	0.087	0	0	0	0	0	0	NM_175552	WD repeat domain 3 (Wdr3), mRNA.	Mme-M300008688	ILMN_1227117	0	0
71354	Wdr31	0.041	0.076	-0.079	0	0	0	0	0	0	NM_023597	WD repeat domain 31 (Wdr31), mRNA.	Mme-M200009823	ILMN_1258609	0	0
74320	Wdr33	-0.059	0.036	-0.034	0	0	0	0	0	0	NM_028866	WD repeat domain 33 (Wdr33), mRNA.	Mme-M400009072	ILMN_2780499	0	0
71820	Wdr34	0.078	0.077	-0.131	0	0	0	0	0	0	NM_001008498	WD repeat domain 34 (Wdr34), mRNA.	Mme-M200015917	ILMN_1233784	0	0
74682	Wdr35	-0.098	0.064	0.124	0	0	0	0	0	0	NM_172470	WD repeat domain 35 (Wdr35), mRNA.	Mme-M400012229	ILMN_1258932	0	0
207615	Wdr37	-0.069	-0.110	0.111	0	0	0	0	0	0	NM_172445	WD repeat domain 37 (Wdr37), transcript variant 1, mRNA.	Mme-M300002588	ILMN_3123826	0	0
57773	Wdr4	0.005	0.080	-0.040	0	0	0	0	0	0	NM_021322	WD repeat domain 4 (Wdr4), mRNA.	Mme-M200009470	ILMN_2508208	0	0
218460	Wdr41	0.000	-0.122	-0.112	0	0	0	0	0	0	NM_172590	WD repeat domain 41 (Wdr41), mRNA.	Mme-M300019647	ILMN_3079949	0	0
72515	Wdr43	0.001	0.044	-0.089	0	0	0	0	0	0	XM_917905	PREDICTED: WD repeat domain 43, transcript variant 9 (Wdr43), mRNA.	Mme-M400002469	ILMN_1256698	0	0
72404	Wdr44	0.038	0.078	0.042	0	0	0	0	0	0	NM_175180	WD repeat domain 44 (Wdr44), mRNA.	Mme-M300010526	ILMN_2444133	0	0
54636	Wdr45	0.166	-0.094	-0.060	0	0	0	0	0	0	NM_172372	WD repeat domain 45 (Wdr45), mRNA.	Mme-M300012135	ILMN_2836924	0	0
66840	Wdr45b	-0.002	0.094	-0.054	0	0	0	0	0	0	NM_025793	Wdr45 like (Wdr45l), mRNA.	Mme-M200006683	ILMN_2931779	0	0
57315	Wdr46	0.154	-0.060	-0.031	0	0	0	0	0	0	NM_020603	WD repeat domain 46 (Wdr46), mRNA.	Mme-M200000920	ILMN_1256643	0	0
99512	Wdr47	-0.018	0.045	-0.078	0	0	0	0	0	0	NM_181400	WD repeat domain 47 (Wdr47), mRNA.	Mme-M400012518	ILMN_1259340	0	0
67561	Wdr48	0.051	-0.017	-0.114	0	0	0	0	0	0	NM_026236	WD repeat domain 48 (Wdr48), mRNA.	Mme-M200005514	ILMN_2710103	0	0
213248	Wdr49	-0.407	0.082	0.095	0	0	0	0	0	0	XM_143339	PREDICTED: WD repeat domain 49 (Wdr49), mRNA.	Mme-M400006427	ILMN_1219856	0	0
140858	Wdr5	0.108	0.241	0.004	0	0	0	0	0	0	NM_080848	WD repeat domain 5 (Wdr5), mRNA.	Mme-M200005918	ILMN_2426921	0	0
68980	Wdr53	0.091	-0.045	0.048	0	0	0	0	0	0	NM_026898	WD repeat domain 53 (Wdr53), mRNA.	Mme-M200013699	ILMN_2706964	0	0
75659	Wdr54	0.078	0.106	-0.122	0	0	0	0	0	0	NM_023790	WD repeat domain 54 (Wdr54), mRNA.	Mme-M400011446	ILMN_2755692	0	0
67936	Wdr55	0.270	0.023	0.087	0	0	0	0	0	0	NM_026464	WD repeat domain 55 (Wdr55), mRNA.	Mme-M300013822	ILMN_2640453	0	0
319481	Wdr59	0.053	0.059	-0.023	0	0	0	0	0	0	NM_176923	WD repeat domain 59 (Wdr59), mRNA.	Mme-M300015402	ILMN_2680852	0	0
69544	Wdr5b	-0.009	0.010	-0.015	0	0	0	0	0	0	NM_027113	WD repeat domain 5B (Wdr5b), mRNA.	Mme-M200007978	ILMN_2425488	0	0
83669	Wdr6	0.275	0.271	0.060	0	0	0	0	0	0	NM_031392	WD repeat domain 6 (Wdr6), mRNA.	Mme-M200006508	ILMN_3162081	0	0
217935	Wdr60	0.272	0.053	0.042	0	0	0	0	0	0	NM_146039	WD repeat domain 60 (Wdr60), mRNA.	Mme-M300014413	ILMN_2791074	0	0
66317	Wdr61	0.150	-0.075	-0.047	0	0	0	0	0	0	NM_001025376	WD repeat domain 61 (Wdr61), transcript variant 3, mRNA.	Mme-M200006005	ILMN_2647119	0	0
233064	Wdr62	0.044	0.087	-0.024	0	0	0	0	0	0	XM_001479182	PREDICTED: WD repeat domain 62 (Wdr62), mRNA.	Mme-M300010682	ILMN_1241754	0	0
242253	Wdr63	-0.388	0.094	-0.049	0	0	0	0	0	0	NM_172864	WD repeat domain 63 (Wdr63), mRNA.	Mme-M300014107	ILMN_3072779	0	0
75820	Wdr64	-0.170	0.034	0.000	0	0	0	0	0	0	XM_001472727	PREDICTED: WD repeat domain 64 (Wdr64), mRNA.	Mme-M300005156	ILMN_2547951	0	0
269701	Wdr66	-0.107	0.089	-0.080	0	0	0	0	0	0	XM_915421	PREDICTED: WD repeat domain 66 (Wdr66), mRNA.	Mme-M200010339	ILMN_1220654	0	0
104082	Wdr7	0.047	0.113	-0.056	0	0	0	0	0	0	XM_140391	PREDICTED: WD repeat domain 7, transcript variant 1 (Wdr7), mRNA.	Mme-M300012726	ILMN_1221192	0	0
545085	Wdr70	-0.144	0.086	-0.042	0	0	0	0	0	0	NM_001081402	WD repeat domain 70 (Wdr70), mRNA.	Mme-M400010034	ILMN_3078932	0	0
71968	Wdr73	0.130	-0.022	0.054	0	0	0	0	0	0	XM_001479473	PREDICTED: WD repeat domain 73 (Wdr73), mRNA.	Mme-M200012022	ILMN_1223780	0	0
107071	Wdr74	0.204	0.152	-0.038	0	0	0	0	0	0	NM_134139	WD repeat domain 74 (Wdr74), mRNA.	Mme-M200006569	ILMN_1227712	0	0
73674	Wdr75	-0.084	-0.132	0.302	0	0	0	0	0	0	NM_028599	WD repeat domain 75 (Wdr75), mRNA.	Mme-M200008146	ILMN_2524043	0	0
70465	Wdr77	-0.181	-0.082	-0.069	0	0	0	0	0	0	NM_027432	WD repeat domain 77 (Wdr77), mRNA.	Mme-M200006257	ILMN_2652732	0	0
242584	Wdr78	0.045	-0.191	0.006	0	0	0	0	0	0	NM_146254	WD repeat domain 78 (Wdr78), mRNA.	Mme-M300009711	ILMN_2687391	0	0
59002	Wdr8	0.106	0.140	-0.083	0	0	0	0	0	0	NM_021499	WD repeat domain 8 (Wdr8), mRNA.	Mme-M300006434	ILMN_1256186	0	0
192652	Wdr81	0.198	-0.116	0.065	0	0	0	0	0	0	XM_911699	PREDICTED: WD repeat domain 81 (Wdr81), mRNA.	Mme-M300016335	ILMN_1220900	0	0
77305	Wdr82	0.192	-0.183	-0.097	0	0	0	0	0	0	NM_029896	WD repeat domain containing 82 (Wdr82), mRNA.	Mme-M300002095	ILMN_1259133	0	0
67836	Wdr83	0.243	-0.188	-0.061	0	0	0	0	0	0	NM_026399	RIKEN cDNA 1500041N16 gene (1500041N16Rik), mRNA.	Mme-M300000644	ILMN_2664993	0	0
414077	Wdr83os	-0.013	-0.035	0.102	0	0	0	0	0	0	NM_001001493	cDNA sequence BC056474 (BC056474), mRNA.	Mme-M200007816	ILMN_2939185	0	0
269633	Wdr86	0.065	-0.204	-0.052	0	0	0	0	0	0	NM_001081441	WD repeat domain 86 (Wdr86), mRNA.	Mme-M200006400	ILMN_2714278	0	0
384605	Wdr88	-0.176	0.013	0.055	0	0	0	0	0	0	XR_035588	PREDICTED: WD repeat domain 88 (Wdr88), misc RNA.	Mme-M400006811	ILMN_2540257	0	0
106618	Wdr90	-0.078	0.095	-0.081	0	0	0	0	0	0	XM_001478010	PREDICTED: WD repeat domain 90, transcript variant 2 (Wdr90), mRNA.	Mme-M200007751	ILMN_2632519	0	0
101240	Wdr91	0.054	-0.101	0.019	0	0	0	0	0	0	NM_001013366	WD repeat domain 91 (Wdr91), mRNA.	Mme-M300006910	ILMN_2602848	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
103784	Wdr92	0.190	-0.157	0.099	0	0	0	0	0	0	NM_178909	WD repeat domain 92 (Wdr92), mRNA.	Mme-M400001619	ILMN_2476733	0	0
626359	Wdr93	-0.168	-0.033	0.067	0	0	0	0	0	0	NM_001037927	WD repeat domain 93 (Wdr93), mRNA.	Mme-M400002226	ILMN_3160146	0	0
381693	Wdr95	-0.193	-0.072	0.112	0	0	0	0	0	0	NM_029440	RIKEN cDNA 4930434E21 gene (4930434E21Rik), mRNA.	Mme-M200015481	ILMN_2886520	0	0
72137	Wdsub1	0.078	-0.047	0.167	0	0	0	0	0	0	NM_028118	WD repeat, SAM and U-box domain containing 1 (Wdsub1), mRNA.	Mme-M200013543	ILMN_2612407	0	0
230796	Wdtc1	0.305	-0.009	0.002	0	0	0	0	0	0	NM_199306	WD and tetratricopeptide repeats 1 (Wdtc1), mRNA.	Mme-M300011032	ILMN_2499546	0	0
76773	Wdyhv1	0.145	0.047	-0.050	0	0	0	0	0	0	NM_029734	RIKEN cDNA 2410187C16 gene (2410187C16Rik), mRNA.	Mme-M400010041	ILMN_2738921	0	0
22390	Wee1	-0.014	-0.014	-0.105	0	0	0	0	0	0	NM_009516	wee 1 homolog (S. pombe) (Wee1), mRNA.	Mme-M400001327	ILMN_1228358	0	0
381759	Wee2	0.269	0.012	-0.079	0	0	0	0	0	0	NM_201370	WEE1 homolog 2 (S. pombe) (Wee2), mRNA.	Mme-M300010781	ILMN_2705242	0	0
67866	Wfdc1	0.612	-0.181	-0.136	0	0	0	0	0	0	NM_023395	WAP four-disulfide core domain 1 (Wfdc1), mRNA.	Mme-M200015883	ILMN_2466164	0	0
192200	Wfdc12	-0.137	-0.224	-0.019	0	0	0	0	0	0	NM_138684	WAP four-disulfide core domain 12 (Wfdc12), mRNA.	Mme-M200002362	ILMN_2948296	0	0
192201	Wfdc15b	-0.275	-0.070	0.031	0	0	0	0	0	0	NM_001045554	WAP four-disulfide core domain 15B (Wfdc15b), transcript variant 2, mRNA.	Mme-M300001648	ILMN_1259467	0	0
14038	Wfdc18	0.579	0.004	0.641	0	0	1	0	0	1	NM_007969	Kallmann syndrome 1 sequence (human) (Kal1), mRNA.	Mme-M200000663	ILMN_1239717	1	0
67701	Wfdc2	0.237	-0.470	-0.393	0	-1	-1	0	0	0	NM_026323	WAP four-disulfide core domain 2 (Wfdc2), mRNA.	Mme-M200005494	ILMN_1236758	0	0
66107	Wfdc21	-0.332	-0.070	-0.018	0	0	0	0	0	0	NM_183249	RIKEN cDNA 1100001G20 gene (1100001G20Rik), mRNA.	Mme-M400003878	ILMN_2651743	0	0
209232	Wfdc5	-0.490	-0.020	-0.030	0	0	0	0	0	0	NM_145369	WAP four-disulfide core domain 5 (Wfdc5), mRNA.	Mme-M400011891	ILMN_1225607	0	0
209351	Wfdc6a	-0.242	0.036	-0.102	0	0	0	0	0	0	NM_001033240	WAP four-disulfide core domain 6A (Wfdc6a), mRNA.	Mme-M400004919	ILMN_2883709	0	0
433502	Wfdc6b	-0.136	-0.038	0.103	0	0	0	0	0	0	NM_001012725	WAP four-disulfide core domain 6B (Wfdc6b), mRNA.	Mme-M400007931	ILMN_3140659	0	0
277343	Wfdc8	-0.354	0.008	-0.057	0	0	0	0	0	0	NM_001080550	WAP four-disulfide core domain 8 (Wfdc8), mRNA.	Mme-M400006894	ILMN_2838051	0	0
215001	Wfikkn1	-0.181	0.044	-0.150	0	0	0	0	0	0	NM_001100454	WAP, FS, Ig, KU, and NTR-containing protein 1 (Wfikkn1), mRNA.	Mme-M400002057	ILMN_2495669	0	0
278507	Wfikkn2	-0.072	-0.080	-0.047	0	0	0	0	0	0	NM_181819	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2 (Wfikkn2), mRNA.	Mme-M400002862	ILMN_2459353	0	0
22393	Wfs1	0.120	0.398	-0.169	0	0	0	0	0	0	NM_011716	Wolfram syndrome 1 homolog (human) (Wfs1), mRNA.	Mme-M400002257	ILMN_1224079	0	0
434204	Whamm	-0.115	0.084	0.095	0	0	0	0	0	0	NM_001004185	WAS protein homology region 2 domain containing 1 (Whdc1), mRNA.	Mme-M300016730	ILMN_3160616	0	0
73750	Whrn	0.090	0.376	-0.261	0	0	0	0	0	0	NM_001008796	whirlin (Whrn), transcript variant 7, mRNA.	Mme-M300011980	ILMN_2476329	0	0
107823	Whsc1	0.042	0.116	0.028	0	0	0	0	0	0	NM_001081102	Wolf-Hirschhorn syndrome candidate 1 (human) (Whsc1), mRNA.	Mme-M300010841	ILMN_2440807	0	0
234135	Whsc1l1	-0.075	-0.004	0.111	0	0	0	0	0	0	NM_001001735	Wolf-Hirschhorn syndrome candidate 1-like 1 (human) (Whsc1l1), transcript variant 1, mRNA.	Mme-M300007792	ILMN_2583684	0	0
24117	Wif1	0.042	0.069	-0.065	0	0	0	0	0	0	NM_011915	Wnt inhibitory factor 1 (Wif1), mRNA.	Mme-M200007274	ILMN_2857748	0	0
215280	Wipf1	-0.058	0.111	0.121	0	0	0	0	0	0	NM_153138	WAS/WASL interacting protein family, member 1 (Wipf1), mRNA.	Mme-M300013345	ILMN_1257209	0	0
68524	Wipf2	-0.120	-0.218	-0.121	0	0	0	0	0	0	NM_197940	WAS/WASL interacting protein family, member 2 (Wipf2), mRNA.	Mme-M300011285	ILMN_1223848	0	0
52639	Wipi1	0.120	0.086	0.109	0	0	0	0	0	0	NM_145940	WD repeat domain, phosphoinositide interacting 1 (Wipi1), mRNA.	Mme-M300013421	ILMN_1236411	0	0
74781	Wipi2	-0.009	-0.178	-0.164	0	0	0	0	0	0	NM_178398	WD repeat domain, phosphoinositide interacting 2 (Wipi2), mRNA.	Mme-M300006749	ILMN_2682516	0	0
22402	Wisp1	0.098	-0.116	0.120	0	0	0	0	0	0	NM_018865	WNT1 inducible signaling pathway protein 1 (Wisp1), mRNA.	Mme-M200002899	ILMN_2492264	0	0
22403	Wisp2	0.207	0.000	-0.102	0	0	0	0	0	0	NM_016873	WNT1 inducible signaling pathway protein 2 (Wisp2), mRNA.	Mme-M200003247	ILMN_2486906	0	0
22404	Wiz	-0.057	0.169	0.015	0	0	0	0	0	0	NM_011717	widely-interspaced zinc finger motifs (Wiz), transcript variant 2, mRNA.	Mme-M200003977	ILMN_3022719	0	0
68151	Wls	0.253	-0.157	0.131	0	0	0	0	0	0	NM_026582	G protein-coupled receptor 177 (Gpr177), mRNA.	Mme-M200002424	ILMN_2996561	0	0
232341	Wnk1	-0.278	-0.345	-0.210	0	0	0	0	0	0	NM_198703	WNK lysine deficient protein kinase 1 (Wnk1), mRNA.	Mme-M300016882	ILMN_1258991	0	0
75607	Wnk2	0.123	-0.202	-0.100	0	0	0	0	0	0	NM_029361	WNK lysine deficient protein kinase 2 (Wnk2), mRNA.	Mme-M200012987	ILMN_1214402	0	0
279561	Wnk3	-0.229	0.003	-0.048	0	0	0	0	0	0	XM_909586	PREDICTED: WNK lysine deficient protein kinase 3, transcript variant 3 (Wnk3), mRNA.	Mme-M300013082	ILMN_1224354	0	0
69847	Wnk4	0.058	-0.373	-0.062	0	0	0	0	0	0	NM_175638	WNK lysine deficient protein kinase 4 (Wnk4), mRNA.	Mme-M300009701	ILMN_2628098	0	0
22408	Wnt1	-0.069	-0.013	0.044	0	0	0	0	0	0	NM_021279	wingless-related MMTV integration site 1 (Wnt1), mRNA.	Mme-M200000406	ILMN_2469090	0	0
22409	Wnt10a	0.336	-0.136	-0.051	0	0	0	0	0	0	NM_009518	wingless related MMTV integration site 10a (Wnt10a), mRNA.	Mme-M200002167	ILMN_2460094	0	0
22410	Wnt10b	0.013	0.090	0.053	0	0	0	0	0	0	NM_011718	wingless related MMTV integration site 10b (Wnt10b), mRNA.	Mme-M200001904	ILMN_2422848	0	0
22411	Wnt11	-0.022	0.042	0.056	0	0	0	0	0	0	NM_009519	wingless-related MMTV integration site 11 (Wnt11), mRNA.	Mme-M400010946	ILMN_1226485	0	0
93735	Wnt16	-0.121	0.043	0.042	0	0	0	0	0	0	NM_053116	wingless-related MMTV integration site 16 (Wnt16), mRNA.	Mme-M200009207	ILMN_1247108	0	0
22413	Wnt2	0.121	0.036	-0.059	0	0	0	0	0	0	NM_023653	wingless-related MMTV integration site 2 (Wnt2), mRNA.	Mme-M200007393	ILMN_1258734	0	0
22414	Wnt2b	-0.131	-0.012	-0.050	0	0	0	0	0	0	NM_009520	wingless related MMTV integration site 2b (Wnt2b), mRNA.	Mme-M200002989	ILMN_2512976	0	0
22415	Wnt3	0.041	-0.012	-0.002	0	0	0	0	0	0	NM_009521	wingless-related MMTV integration site 3 (Wnt3), mRNA.	Mme-M200002204	ILMN_2508080	0	0
22416	Wnt3a	-0.213	0.039	-0.038	0	0	0	0	0	0	NM_009522	wingless-related MMTV integration site 3A (Wnt3a), mRNA.	Mme-M200000537	ILMN_1220516	0	0
22417	Wnt4	-0.389	-0.437	0.081	0	-1	0	0	0	0	NM_009523	wingless-related MMTV integration site 4 (Wnt4), mRNA.	Mme-M200003872	ILMN_2512663	0	0
22418	Wnt5a	-0.020	-0.452	-0.155	0	-1	0	0	0	0	NM_009524	wingless-related MMTV integration site 5A (Wnt5a), mRNA.	Mme-M200007196	ILMN_2472917	0	0
22419	Wnt5b	0.165	-0.089	-0.065	0	0	0	0	0	0	NM_009525	wingless-related MMTV integration site 5B (Wnt5b), mRNA.	Mme-M300007049	ILMN_1224193	0	0
22420	Wnt6	0.089	-0.398	-0.143	0	0	0	0	0	0	NM_009526	wingless-related MMTV integration site 6 (Wnt6), mRNA.	Mme-M400001537	ILMN_2423835	0	0
22421	Wnt7a	0.107	0.325	-0.104	0	0	0	0	0	0	NM_009527	wingless-related MMTV integration site 7A (Wnt7a), mRNA.	Mme-M200014872	ILMN_1248290	0	0
22422	Wnt7b	0.084	0.254	-0.068	0	0	0	0	0	0	NM_009528	wingless-related MMTV integration site 7B (Wnt7b), mRNA.	Mme-M200001588	ILMN_2789692	0	0
20890	Wnt8a	-0.003	-0.103	0.069	0	0	0	0	0	0	NM_009290	wingless-related MMTV integration site 8A (Wnt8a), mRNA.	Mme-M300001174	ILMN_2485197	0	0
22423	Wnt8b	-0.079	-0.049	-0.017	0	0	0	0	0	0	NM_011720	wingless related MMTV integration site 8b (Wnt8b), mRNA.	Mme-M300010665	ILMN_2425854	0	0
216795	Wnt9a	-0.128	-0.082	0.021	0	0	0	0	0	0	NM_139298	wingless-type MMTV integration site 9A (Wnt9a), mRNA.	Mme-M300000010	ILMN_2472856	0	0
22412	Wnt9b	-0.171	0.118	0.118	0	0	0	0	0	0	NM_011719	wingless-type MMTV integration site 9B (Wnt9b), mRNA.	Mme-M200013368	ILMN_2937340	0	0
216853	Wrap53	0.159	0.042	0.059	0	0	0	0	0	0	NM_144824	WD repeat domain 79 (Wdr79), mRNA.	Mme-M200007125	ILMN_1251519	0	0
71446	Wrb	0.019	-0.031	-0.066	0	0	0	0	0	0	NM_207301	tryptophan rich basic protein (Wrb), mRNA.	Mme-M400012644	ILMN_2473122	0	0
78903	Wrnip1	0.158	-0.002	0.015	0	0	0	0	0	0	NM_030215	Werner helicase interacting protein 1 (Wrnip1), mRNA.	Mme-M200003696	ILMN_2455719	0	0
78889	Wsb1	0.197	0.195	0.061	0	0	0	0	0	0	NM_001042565	WD repeat and SOCS box-containing 1 (Wsb1), transcript variant 2, mRNA.	Mme-M400011323	ILMN_1250815	0	0
59043	Wsb2	0.132	0.127	0.045	0	0	0	0	0	0	NM_021539	WD repeat and SOCS box-containing 2 (Wsb2), mRNA.	Mme-M200006029	ILMN_2512206	0	0
216881	Wscd1	-0.119	0.456	0.153	0	1	0	0	0	0	NM_177618	WSC domain containing 1 (Wscd1), mRNA.	Mme-M300002405	ILMN_2610442	0	0
320916	Wscd2	-0.007	-0.085	-0.022	0	0	0	0	0	0	NM_177292	WSC domain containing 2 (Wscd2), mRNA.	Mme-M300013558	ILMN_2667055	0	0
22431	Wt1	-0.324	-0.303	0.108	0	0	0	0	0	0	NM_144783	Wilms tumor homolog (Wt1), mRNA.	Mme-M300001515	ILMN_2470646	0	0
60532	Wtap	-0.170	-0.009	0.030	0	0	0	0	0	0	NM_001113532	Wilms' tumour 1-associating protein (Wtap), transcript variant 3, mRNA.	Mme-M400012308	ILMN_2435756	0	0
101543	Wtip	-0.001	-0.452	-0.141	0	-1	0	0	0	0	NM_207212	WT1-interacting protein (Wtip), mRNA.	Mme-M300010391	ILMN_2424268	0	0
52357	Wwc2	0.022	-0.096	-0.090	0	0	0	0	0	0	NM_133791	WW, C2 and coiled-coil domain containing 2 (Wwc2), mRNA.	Mme-M300007782	ILMN_2685464	0	0
80707	Wwox	0.169	0.052	0.113	0	0	0	0	0	0	NM_019573	WW domain-containing oxidoreductase (Wwox), mRNA.	Mme-M300000585	ILMN_2480178	0	0
107568	Wwp1	0.096	-0.435	0.216	0	-1	0	0	0	0	NM_177327	WW domain containing E3 ubiquitin protein ligase 1 (Wwp1), mRNA.	Mme-M200015475	ILMN_2562109	0	0
66894	Wwp2	-0.089	0.200	-0.101	0	0	0	0	0	0	NM_025830	WW domain containing E3 ubiquitin protein ligase 2 (Wwp2), mRNA.	Mme-M400001414	ILMN_2744245	0	0
97064	Wwtr1	0.074	-0.209	0.158	0	0	0	0	0	0	NM_133784	WW domain containing transcription regulator 1 (Wwtr1), mRNA.	Mme-M200005817	ILMN_1219016	0	0
327959	Xaf1	0.486	0.616	0.191	0	1	0	0	1	0	NM_001037713	XIAP associated factor 1 (Xaf1), mRNA.	Mme-M300012693	ILMN_2534207	1	0
22433	Xbp1	0.215	-0.114	0.009	0	0	0	0	0	0	NM_013842	X-box binding protein 1 (Xbp1), mRNA.	Mme-M200004492	ILMN_2431237	0	0
16963	Xcl1	0.094	0.751	0.145	0	1	0	0	1	0	NM_008510	chemokine (C motif) ligand 1 (Xcl1), mRNA.	Mme-M200000068	ILMN_2948552	1	0
23832	Xcr1	-0.114	0.007	0.110	0	0	0	0	0	0	NM_011798	chemokine (C motif) receptor 1 (Xcr1), mRNA.	Mme-M200015981	ILMN_2497004	0	0
22436	Xdh	0.468	0.648	0.068	0	1	0	0	1	0	NM_011723	xanthine dehydrogenase (Xdh), mRNA.	Mme-M300003896	ILMN_1239055	1	0
11798	Xiap	0.286	0.042	0.076	0	0	0	0	0	0	NM_009688	X-linked inhibitor of apoptosis (Xiap), mRNA.	Mme-M400019498	ILMN_2961304	0	0
241431	Xirp2	1.306	0.197	-0.432	1	0	-1	1	0	-1	NM_001024618	xin actin-binding repeat containing 2 (Xirp2), transcript variant 1, mRNA.	Mme-M400000984	ILMN_2497657	1	1
213742	Xist	-0.002	-0.216	-0.930	0	0	-1	0	0	-1	NR_001463	inactive X specific transcripts (Xist) on chromosome X.	Mme-M400012678	ILMN_2475156	0	1

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
22439	Xk	-0.067	-0.100	0.018	0	0	0	0	0	0	NM_023500	Kell blood group precursor (McLeod phenotype) homolog (Xk), mRNA.	Mme-M300001404	ILMN_2453051	0	0
497097	Xkr4	0.229	0.088	-0.055	0	0	0	0	0	0	NM_001011874	X Kell blood group precursor related family member 4 (Xkr4), mRNA.	Mme-M400003946	ILMN_2535238	0	0
319581	Xkr5	-0.254	0.153	0.044	0	0	0	0	0	0	NM_001113350	X Kell blood group precursor-related family, member 5 (Xkr5), transcript variant 1, mRNA.	Mme-M300012390	ILMN_1212997	0	0
219149	Xkr6	-0.085	-0.037	0.108	0	0	0	0	0	0	NM_173393	X Kell blood group precursor related family member 6 homolog (Xkr6), mRNA.	Mme-M300009679	ILMN_2708142	0	0
228787	Xkr7	0.091	-0.183	0.051	0	0	0	0	0	0	NM_001011732	X Kell blood group precursor related family member 7 homolog (Xkr7), mRNA.	Mme-M400010263	ILMN_3129924	0	0
381560	Xkr8	-0.296	-0.020	-0.196	0	0	0	0	0	0	NM_201368	X Kell blood group precursor related family member 8 homolog (Xkr8), mRNA.	Mme-M300011103	ILMN_2662990	0	0
331524	Xkrx	-0.064	0.044	-0.074	0	0	0	0	0	0	NM_183319	X Kell blood group precursor related X linked (Xkrx), mRNA.	Mme-M400001352	ILMN_3161225	0	0
22441	Xlr	0.219	0.100	0.021	0	0	0	0	0	0	NM_011725	X-linked lymphocyte-regulated complex (Xlr), mRNA.	Mme-M400009722	ILMN_1218723	0	0
22446	Xlr3c	0.153	-0.067	0.068	0	0	0	0	0	0	NM_011727	X-linked lymphocyte-regulated 3C (Xlr3c), mRNA.	Mme-M400009732	ILMN_2465182	0	0
27083	Xlr4b	0.091	0.113	0.103	0	0	0	0	0	0	NM_021365	X-linked lymphocyte-regulated 4B (Xlr4b), mRNA.	Mme-M400005199	ILMN_2978502	0	0
574438	Xlr5a	-0.093	-0.049	0.089	0	0	0	0	0	0	NM_001045539	X-linked lymphocyte-regulated 5A (Xlr5a), mRNA.	Mme-M400009729	ILMN_2946345	0	0
27084	Xlr5c	-0.090	0.009	0.032	0	0	0	0	0	0	NM_031493	X-linked lymphocyte-regulated 5C (Xlr5c), mRNA.	Mme-M400011727	ILMN_2962153	0	0
22590	Xpa	0.035	-0.281	0.122	0	0	0	0	0	0	NM_011728	xeroderma pigmentosum, complementation group A (Xpa), mRNA.	Mme-M200001568	ILMN_2968515	0	0
22591	Xpc	-0.133	-0.020	0.058	0	0	0	0	0	0	NM_009531	xeroderma pigmentosum, complementation group C (Xpc), mRNA.	Mme-M300006999	ILMN_1238384	0	0
170750	Xpnpep1	0.391	0.099	-0.175	0	0	0	0	0	0	NM_133216	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble (Xpnpep1), mRNA.	Mme-M200016194	ILMN_2428961	0	0
170745	Xpnpep2	-0.145	0.061	-0.060	0	0	0	0	0	0	NM_133213	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound (Xpnpep2), transcript variant 1, mRNA.	Mme-M200009012	ILMN_1248998	0	0
321003	Xpnpep3	-0.168	-0.086	0.139	0	0	0	0	0	0	NM_177310	X-prolyl aminopeptidase (aminopeptidase P) 3, putative (Xpnpep3), mRNA.	Mme-M300003264	ILMN_2642546	0	0
103573	Xpo1	0.185	-0.072	-0.095	0	0	0	0	0	0	NM_001035226	exportin 1, CRM1 homolog (yeast) (Xpo1), transcript variant 2, mRNA.	Mme-M300002115	ILMN_3123321	0	0
57258	Xpo4	0.048	-0.050	-0.085	0	0	0	0	0	0	NM_020506	exportin 4 (Xpo4), mRNA.	Mme-M200009459	ILMN_2952725	0	0
74204	Xpo6	-0.024	0.100	-0.032	0	0	0	0	0	0	NM_028816	exportin 6 (Xpo6), mRNA.	Mme-M300000013	ILMN_2923599	0	0
65246	Xpo7	-0.330	-0.110	-0.080	0	0	0	0	0	0	NM_023045	exportin 7 (Xpo7), mRNA.	Mme-M400014319	ILMN_1251572	0	0
73192	Xpot	-0.280	-0.108	-0.153	0	0	0	0	0	0	NM_001081056	exportin, tRNA (nuclear export receptor for tRNAs) (Xpot), mRNA.	Mme-M400001724	ILMN_2491099	0	0
19775	Xpr1	0.060	-0.101	-0.035	0	0	0	0	0	0	NM_011273	xenotropic and polytropic retrovirus receptor 1 (Xpr1), mRNA.	Mme-M400005108	ILMN_1214765	0	0
22594	Xrcc1	0.270	0.085	-0.028	0	0	0	0	0	0	NM_009532	X-ray repair complementing defective repair in Chinese hamster cells 1 (Xrcc1), mRNA.	Mme-M200001694	ILMN_3160475	0	0
57434	Xrcc2	-0.259	0.179	-0.162	0	0	0	0	0	0	NM_020570	X-ray repair complementing defective repair in Chinese hamster cells 2 (Xrcc2), mRNA.	Mme-M300006375	ILMN_2895630	0	0
74335	Xrcc3	0.017	0.015	-0.015	0	0	0	0	0	0	NM_028875	X-ray repair complementing defective repair in Chinese hamster cells 3 (Xrcc3), mRNA.	Mme-M200003728	ILMN_2496421	0	0
108138	Xrcc4	0.373	0.072	-0.057	0	0	0	0	0	0	NM_028012	X-ray repair complementing defective repair in Chinese hamster cells 4 (Xrcc4), mRNA.	Mme-M200007949	ILMN_1240711	0	0
22596	Xrcc5	0.246	-0.035	-0.037	0	0	0	0	0	0	NM_009533	X-ray repair complementing defective repair in Chinese hamster cells 5 (Xrcc5), mRNA.	Mme-M300004975	ILMN_1258913	0	0
14375	Xrcc6	0.065	-0.087	-0.028	0	0	0	0	0	0	NM_010247	X-ray repair complementing defective repair in Chinese hamster cells 6 (Xrcc6), mRNA.	Mme-M200003418	ILMN_1216412	0	0
68876	Xrcc6bp1	-0.207	0.055	-0.042	0	0	0	0	0	0	NM_026858	XRCC6 binding protein 1 (Xrcc6bp1), mRNA.	Mme-M200012603	ILMN_1250628	0	0
24127	Xrn1	0.091	-0.162	0.079	0	0	0	0	0	0	NM_011916	5'-3' exoribonuclease 1 (Xrn1), mRNA.	Mme-M300008249	ILMN_2514674	0	0
24128	Xrn2	0.228	0.101	0.180	0	0	0	0	0	0	NM_011917	5'-3' exoribonuclease 2 (Xrn2), mRNA.	Mme-M300005643	ILMN_2499356	0	0
446101	Xrra1	0.027	-0.138	-0.045	0	0	0	0	0	0	XM_194369	PREDICTED: X-ray radiation resistance associated 1 (Xrra1), mRNA.	Mme-M400001772	ILMN_2532681	0	0
268880	Xxylt1	-0.328	-0.055	-0.130	0	0	0	0	0	0	NM_198626	expressed sequence AI480653 (AI480653), mRNA.	Mme-M300018276	ILMN_2704927	0	0
102448	Xylb	-0.208	0.074	-0.021	0	0	0	0	0	0	NM_001033209	xylulokinase homolog (H. influenzae) (Xylb), mRNA.	Mme-M400001849	ILMN_2445926	0	0
233781	Xylt1	0.269	-0.083	0.017	0	0	0	0	0	0	NM_175645	xylosyltransferase 1 (Xylt1), mRNA.	Mme-M400001305	ILMN_2507331	0	0
217119	Xylt2	-0.075	-0.037	-0.251	0	0	0	0	0	0	NM_145828	xylosyltransferase II (Xylt2), mRNA.	Mme-M300002437	ILMN_2811018	0	0
67008	Yae1d1	0.147	-0.051	0.022	0	0	0	0	0	0	NM_025904	RIKEN cDNA 1600012F09 gene (1600012F09Rik), mRNA.	Mme-M400002490	ILMN_2683155	0	0
67057	Yaf2	0.121	-0.119	0.049	0	0	0	0	0	0	NM_024189	YY1 associated factor 2 (Yaf2), mRNA.	Mme-M200001908	ILMN_2420095	0	0
22601	Yap1	-0.066	-0.066	0.108	0	0	0	0	0	0	NM_009534	yes-associated protein 1 (Yap1), mRNA.	Mme-M400004341	ILMN_1248293	0	0
107271	Yars	-0.311	0.097	0.056	0	0	0	0	0	0	NM_134151	tyrosyl-tRNA synthetase (Yars), mRNA.	Mme-M200009526	ILMN_2439632	0	0
70120	Yars2	0.190	-0.002	0.000	0	0	0	0	0	0	NM_198246	tyrosyl-tRNA synthetase 2 (mitochondrial) (Yars2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200007944	ILMN_2712064	0	0
216119	Ybey	-0.051	-0.053	0.052	0	0	0	0	0	0	NM_172550	RIKEN cDNA A130042E20 gene (A130042E20Rik), mRNA.	Mme-M300008601	ILMN_1220132	0	0
22608	Ybx1	0.210	-0.135	0.090	0	0	0	0	0	0	NM_011732	Y box protein 1 (Ybx1), mRNA.	Mme-M400001102	ILMN_2429092	0	0
53422	Ybx2	-0.056	0.078	-0.107	0	0	0	0	0	0	NM_016875	Y box protein 2 (Ybx2), mRNA.	Mme-M200006416	ILMN_3086192	0	0
56449	Ybx3	0.500	-0.160	0.200	0	0	0	0	0	0	NM_011733	cold shock domain protein A (Csda), mRNA.	Mme-M300007063	ILMN_1234336	0	0
69101	Ydjc	0.189	-0.183	-0.085	0	0	0	0	0	0	NM_026940	YdjC homolog (bacterial) (Ydjc), mRNA.	Mme-M400002544	ILMN_2883952	0	0
208146	Yeats2	0.185	-0.067	-0.157	0	0	0	0	0	0	NM_001033237	YEATS domain containing 2 (Yeats2), mRNA.	Mme-M400010064	ILMN_2587984	0	0
64050	Yeats4	0.104	-0.035	-0.113	0	0	0	0	0	0	NM_026570	YEATS domain containing 4 (Yeats4), mRNA.	Mme-M200013636	ILMN_3002281	0	0
22612	Yes1	0.140	-0.070	-0.046	0	0	0	0	0	0	NM_009535	Yamaguchi sarcoma viral (v-yes) oncogene homolog 1 (Yes1), mRNA.	Mme-M300001346	ILMN_2516531	0	0
68090	Yif1a	0.149	-0.117	-0.127	0	0	0	0	0	0	NM_026553	Yip1 interacting factor homolog A (S. cerevisiae) (Yif1a), mRNA.	Mme-M200014052	ILMN_1235000	0	0
77254	Yif1b	0.115	-0.025	-0.006	0	0	0	0	0	0	NM_001110201	Yip1 interacting factor homolog B (S. cerevisiae) (Yif1b), transcript variant 2, mRNA.	Mme-M300007304	ILMN_2607608	0	0
230584	Yipf1	0.130	0.019	0.047	0	0	0	0	0	0	NM_145550	Yip1 domain family, member 1 (Yipf1), mRNA.	Mme-M200006332	ILMN_2755803	0	0
74766	Yipf2	-0.124	0.030	-0.161	0	0	0	0	0	0	NM_138303	Yip1 domain family, member 2 (Yipf2), mRNA.	Mme-M300008102	ILMN_2691566	0	0
28064	Yipf3	0.048	-0.131	-0.112	0	0	0	0	0	0	NM_145353	Yip1 domain family, member 3 (Yipf3), mRNA.	Mme-M400006706	ILMN_1222152	0	0
67864	Yipf4	0.211	-0.075	-0.052	0	0	0	0	0	0	NM_026417	Yip1 domain family, member 4 (Yipf4), mRNA.	Mme-M200013777	ILMN_1255657	0	0
67180	Yipf5	0.383	-0.066	-0.060	0	0	0	0	0	0	NM_023311	Yip1 domain family, member 5 (Yipf5), mRNA.	Mme-M300004168	ILMN_2591791	0	0
77929	Yipf6	-0.001	0.247	-0.156	0	0	0	0	0	0	NM_207633	Yip1 domain family, member 6 (Yipf6), mRNA.	Mme-M200014457	ILMN_3080410	0	0
75581	Yipf7	0.592	0.506	-0.120	0	1	0	0	0	0	NM_023784	Yip1 domain family, member 7 (Yipf7), mRNA.	Mme-M200009793	ILMN_1220086	0	0
56418	Ykt6	-0.170	0.200	-0.068	0	0	0	0	0	0	NM_019661	YKT6 homolog (S. Cerevisiae) (Ykt6), mRNA.	Mme-M200004871	ILMN_1246405	0	0
56531	Ylpm1	-0.091	-0.064	-0.124	0	0	0	0	0	0	NM_178363	YLP motif containing 1 (Ylpm1), mRNA.	Mme-M200009657	ILMN_1248384	0	0
27377	Yme1l1	0.028	0.055	0.079	0	0	0	0	0	0	NM_013771	YME1-like 1 (S. cerevisiae) (Yme1l1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200004609	ILMN_2505307	0	0
226418	Yod1	0.016	0.018	-0.092	0	0	0	0	0	0	NM_178691	YOD1 OTU deubiquitinating enzyme 1 homologue (S. cerevisiae) (Yod1), mRNA.	Mme-M300017311	ILMN_2886947	0	0
106369	Ypel1	-0.102	-0.172	-0.027	0	0	0	0	0	0	NM_023249	yippee-like 1 (Drosophila) (Ypel1), mRNA.	Mme-M200012351	ILMN_2454393	0	0
77864	Ypel2	0.085	-0.124	0.034	0	0	0	0	0	0	NM_001005341	yippee-like 2 (Drosophila) (Ypel2), mRNA.	Mme-M300001673	ILMN_2481352	0	0
66090	Ypel3	0.116	-0.143	0.077	0	0	0	0	0	0	NM_025347	yippee-like 3 (Drosophila) (Ypel3), mRNA.	Mme-M400002657	ILMN_2453076	0	0
241525	Ypel4	-0.084	0.201	-0.047	0	0	0	0	0	0	NM_001005342	yippee-like 4 (Drosophila) (Ypel4), mRNA.	Mme-M300009115	ILMN_2966558	0	0
383295	Ypel5	0.031	0.165	0.093	0	0	0	0	0	0	NM_027166	yippee-like 5 (Drosophila) (Ypel5), mRNA.	Mme-M200004300	ILMN_1215341	0	0
230734	Yrdc	0.023	-0.341	-0.104	0	0	0	0	0	0	NM_153566	yrdC domain containing (E.coli) (Yrdc), mRNA.	Mme-M400001126	ILMN_2870883	0	0
231386	Ythdc1	0.051	-0.146	0.139	0	0	0	0	0	0	NM_177680	YTH domain containing 1 (Ythdc1), mRNA.	Mme-M200012632	ILMN_1229688	0	0
240255	Ythdc2	0.103	-0.040	0.064	0	0	0	0	0	0	XM_140310	PREDICTED: YTH domain containing 2 (Ythdc2), mRNA.	Mme-M400001723	ILMN_2426491	0	0
228994	Ythdf1	0.312	-0.063	0.151	0	0	0	0	0	0	NM_173761	YTH domain family 1 (Ythdf1), mRNA.	Mme-M300011809	ILMN_1235701	0	0
213541	Ythdf2	0.288	-0.198	0.071	0	0	0	0	0	0	NM_145393	YTH domain family 2 (Ythdf2), mRNA.	Mme-M400002322	ILMN_2868374	0	0
229096	Ythdf3	0.135	-0.128	0.049	0	0	0	0	0	0	NM_172677	YTH domain family 3 (Ythdf3), mRNA.	Mme-M200004703	ILMN_2513536	0	0
54401	Ywhab	-0.003	-0.188	0.086	0	0	0	0	0	0	NM_018753	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (Ywhab), mRNA.	Mme-M200007539	ILMN_2490479	0	0
22627	Ywhae	0.144	0.020	-0.128	0	0	0	0	0	0	NM_009536	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide (Ywhae), mRN	Mme-M200013976	ILMN_1220100	0	0
22628	Ywhag	-0.146	0.060	0.047	0	0	0	0	0	0	NM_018871	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide (Ywhag), mRN	Mme-M200006615	ILMN_1258601	0	0
22629	Ywhah	0.029	-0.006	0.157	0	0	0	0	0	0	NM_011738	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide (Ywhah), mRNA.	Mme-M400000313	ILMN_2966722	0	0
22631	Ywhaz	0.045	0.089	0.045	0	0	0	0	0	0	NM_011740	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (Ywhaz), mRNA.	Mme-M200001297	ILMN_2510612	0	0
22632	Yy1	0.103	0.065	0.010	0	0	0	0	0	0	NM_009537	YY1 transcription factor (Yy1), mRNA.	Mme-M200001480	ILMN_1259496	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
225791	Zadh2	0.146	0.051	0.027	0	0	0	0	0	0	NM_146090	zinc binding alcohol dehydrogenase, domain containing 2 (Zadh2), mRNA.	Mme-M300019854	ILMN_1232404	0	0
65964	Zak	-0.393	-0.108	0.162	0	0	0	0	0	0	NM_023057	RIKEN cDNA B230120H23 gene (B230120H23Rik), transcript variant 1, mRNA.	Mme-M400011420	ILMN_2595189	0	0
22635	Zan	-0.219	0.047	0.011	0	0	0	0	0	0	NM_011741	zonadhesin (Zan), mRNA.	Mme-M300010857	ILMN_2425569	0	0
22637	Zap70	0.155	0.463	0.165	0	1	0	0	0	0	NM_009539	zeta-chain (TCR) associated protein kinase (Zap70), mRNA.	Mme-M200002658	ILMN_2513870	0	0
317755	Zar1	-0.363	-0.036	0.086	0	0	0	0	0	0	NM_174877	zygote arrest 1 (Zar1), mRNA.	Mme-M400009326	ILMN_1231610	0	0
213234	Zbbx	0.148	-0.009	-0.035	0	0	0	0	0	0	NM_172515	zinc finger, B-box domain containing (Zbbx), mRNA.	Mme-M300009172	ILMN_2707676	0	0
72114	Zbed3	0.176	-0.073	-0.065	0	0	0	0	0	0	NM_028106	zinc finger, BED domain containing 3 (Zbed3), mRNA.	Mme-M200001446	ILMN_1214132	0	0
223773	Zbed4	-0.110	-0.093	0.208	0	0	0	0	0	0	NM_181412	zinc finger, BED domain containing 4 (Zbed4), mRNA.	Mme-M300015540	ILMN_2418222	0	0
71970	Zbed5	0.294	-0.076	0.099	0	0	0	0	0	0	NM_183088	RIKEN cDNA 2410018M08 gene (2410018M08Rik), mRNA.	Mme-M400003376	ILMN_2888539	0	0
58203	Zbp1	0.638	0.453	0.044	0	1	0	0	0	0	NM_021394	Z-DNA binding protein 1 (Zbp1), mRNA.	Mme-M300005673	ILMN_1228653	0	0
268564	Zbtb1	0.067	-0.027	0.010	0	0	0	0	0	0	NM_178744	zinc finger and BTB domain containing 1 (Zbtb1), mRNA.	Mme-M200007317	ILMN_2477267	0	0
271377	Zbtb11	-0.176	-0.037	0.028	0	0	0	0	0	0	XM_001480244	PREDICTED: zinc finger and BTB domain containing 11 (Zbtb11), mRNA.	Mme-M400006409	ILMN_1241132	0	0
22666	Zbtb14	-0.015	-0.154	0.062	0	0	0	0	0	0	NM_009547	zinc finger protein 161 (Zfp161), mRNA.	Mme-M300017253	ILMN_1236417	0	0
235320	Zbtb16	0.402	-0.015	-0.028	0	0	0	0	0	0	NM_001033324	zinc finger and BTB domain containing 16 (Zbtb16), mRNA.	Mme-M300015175	ILMN_1229216	0	0
22642	Zbtb17	-0.004	-0.110	-0.164	0	0	0	0	0	0	NM_009541	zinc finger and BTB domain containing 17 (Zbtb17), mRNA.	Mme-M200001690	ILMN_1232592	0	0
30928	Zbtb18	0.134	0.112	0.150	0	0	0	0	0	0	NM_001012330	zinc finger protein 238 (Zfp238), transcript variant 1, mRNA.	Mme-M200005772	ILMN_2459155	0	0
56490	Zbtb20	0.198	-0.319	0.009	0	0	0	0	0	0	NM_019778	zinc finger and BTB domain containing 20 (Zbtb20), mRNA.	Mme-M200008037	ILMN_1259424	0	0
114565	Zbtb21	-0.263	-0.153	-0.048	0	0	0	0	0	0	NM_001081685	zinc finger protein 295 (Zfp295), transcript variant 3, mRNA.	Mme-M400013580	ILMN_3085946	0	0
81630	Zbtb22	-0.068	0.005	0.057	0	0	0	0	0	0	NM_020625	zinc finger and BTB domain containing 22 (Zbtb22), mRNA.	Mme-M200009759	ILMN_1233129	0	0
268294	Zbtb24	-0.170	0.008	-0.063	0	0	0	0	0	0	NM_153398	zinc finger and BTB domain containing 24 (Zbtb24), mRNA.	Mme-M300001850	ILMN_1234461	0	0
109929	Zbtb25	0.042	0.077	0.016	0	0	0	0	0	0	NM_028356	zinc finger and BTB domain containing 25 (Zbtb25), mRNA.	Mme-M200013772	ILMN_2451662	0	0
320633	Zbtb26	-0.132	-0.070	0.194	0	0	0	0	0	0	NM_199025	zinc finger and BTB domain containing 26 (Zbtb26), mRNA.	Mme-M400009161	ILMN_2465683	0	0
75291	Zbtb3	-0.167	0.136	-0.028	0	0	0	0	0	0	NM_133759	zinc finger and BTB domain containing 3 (Zbtb3), transcript variant 2, mRNA.	Mme-M300015516	ILMN_2924299	0	0
58206	Zbtb32	-0.095	0.300	0.140	0	0	0	0	0	0	NM_021397	zinc finger and BTB domain containing 32 (Zbtb32), mRNA.	Mme-M300000779	ILMN_2770119	0	0
56805	Zbtb33	0.159	-0.128	-0.069	0	0	0	0	0	0	NM_001079513	zinc finger and BTB domain containing 33 (Zbtb33), transcript variant 2, mRNA.	Mme-M200008424	ILMN_1247277	0	0
240869	Zbtb37	-0.122	0.093	0.052	0	0	0	0	0	0	NM_173424	zinc finger and BTB domain containing 37 (Zbtb37), mRNA.	Mme-M300014535	ILMN_2435592	0	0
245007	Zbtb38	0.067	-0.101	-0.073	0	0	0	0	0	0	NM_175537	zinc finger and BTB domain containing 38 (Zbtb38), mRNA.	Mme-M300012666	ILMN_1250618	0	0
320080	Zbtb39	0.031	-0.068	-0.078	0	0	0	0	0	0	NM_198035	zinc finger and BTB domain containing 39 (Zbtb39), mRNA.	Mme-M300015628	ILMN_1245131	0	0
75580	Zbtb4	-0.173	-0.030	0.051	0	0	0	0	0	0	NM_029348	zinc finger and BTB domain containing 4 (Zbtb4), mRNA.	Mme-M400014882	ILMN_2460190	0	0
230848	Zbtb40	-0.275	-0.152	-0.085	0	0	0	0	0	0	NM_198248	zinc finger and BTB domain containing 40 (Zbtb40), mRNA.	Mme-M300010582	ILMN_2695684	0	0
226470	Zbtb41	0.090	-0.199	-0.113	0	0	0	0	0	0	NM_172643	zinc finger and BTB domain containing 41 homolog (Zbtb41), mRNA.	Mme-M300009055	ILMN_2707088	0	0
382639	Zbtb42	-0.427	0.081	0.089	0	0	0	0	0	0	XM_356600	PREDICTED: predicted gene, EG382639, transcript variant 2 (EG382639), mRNA.	Mme-M300011040	ILMN_1250745	0	0
71834	Zbtb43	0.036	-0.159	0.041	0	0	0	0	0	0	NM_001025594	zinc finger and BTB domain containing 43 (Zbtb43), transcript variant 2, mRNA.	Mme-M200014043	ILMN_2503987	0	0
235132	Zbtb44	-0.161	-0.167	-0.106	0	0	0	0	0	0	NM_172765	zinc finger and BTB domain containing 44 (Zbtb44), transcript variant b, mRNA.	Mme-M400001969	ILMN_2731424	0	0
232879	Zbtb45	-0.139	0.097	-0.116	0	0	0	0	0	0	NM_001024699	zinc finger and BTB domain containing 45 (Zbtb45), mRNA.	Mme-M400003579	ILMN_2943849	0	0
75079	Zbtb49	0.004	0.015	0.061	0	0	0	0	0	0	NM_029162	zinc finger protein 509 (Zfp509), mRNA.	Mme-M300006508	ILMN_2463948	0	0
230119	Zbtb5	0.197	-0.087	0.132	0	0	0	0	0	0	NM_173399	zinc finger and BTB domain containing 5 (Zbtb5), mRNA.	Mme-M300020393	ILMN_1248222	0	0
241322	Zbtb6	-0.318	0.036	0.047	0	0	0	0	0	0	NM_146253	zinc finger and BTB domain containing 6 (Zbtb6), mRNA.	Mme-M300021387	ILMN_2475867	0	0
16969	Zbtb7a	0.262	-0.356	1.564	0	0	1	0	0	1	NM_010731	zinc finger and BTB domain containing 7a (Zbtb7a), mRNA.	Mme-M200004004	ILMN_1248181	1	0
22724	Zbtb7b	0.092	-0.115	0.114	0	0	0	0	0	0	NM_009565	zinc finger and BTB domain containing 7B (Zbtb7b), mRNA.	Mme-M300005913	ILMN_2441391	0	0
207259	Zbtb7c	-0.335	-0.084	0.062	0	0	0	0	0	0	NM_145356	zinc finger and BTB domain containing 7C (Zbtb7c), mRNA.	Mme-M200013325	ILMN_2622500	0	0
73680	Zbtb8a	-0.161	-0.034	-0.034	0	0	0	0	0	0	NM_028603	RIKEN cDNA 2410081M15 gene (2410081M15Rik), mRNA.	Mme-M200015932	ILMN_2854117	0	0
215627	Zbtb8b	0.205	0.177	-0.009	0	0	0	0	0	0	NM_153541	zinc finger and BTB domain containing 8 (Zbtb8), mRNA.	Mme-M400003427	ILMN_2418483	0	0
67106	Zbtb8os	0.266	0.130	0.106	0	0	0	0	0	0	NM_025970	zinc finger and BTB domain containing 8 opposite strand (Zbtb8os), mRNA.	Mme-M300012922	ILMN_2872419	0	0
474156	Zbtb9	0.134	0.161	0.078	0	0	0	0	0	0	NM_001005916	zinc finger and BTB domain containing 9 (Zbtb9), mRNA.	Mme-M200007484	ILMN_2877464	0	0
67306	Zc2hc1a	0.127	-0.154	0.100	0	0	0	0	0	0	NM_173181	RIKEN cDNA 3110050N22 gene (3110050N22Rik), mRNA.	Mme-M300014604	ILMN_2761169	0	0
72350	Zc2hc1c	0.185	0.053	0.130	0	0	0	0	0	0	NM_172414	RIKEN cDNA 2810002I04 gene (2810002I04Rik), mRNA.	Mme-M300016043	ILMN_2711181	0	0
103284	Zc3h10	0.165	0.090	-0.046	0	0	0	0	0	0	NM_134003	zinc finger CCCH type containing 10 (Zc3h10), mRNA.	Mme-M200005401	ILMN_2643115	0	0
70579	Zc3h11a	0.017	-0.030	0.026	0	0	0	0	0	0	NM_144530	zinc finger CCCH type containing 11A (Zc3h11a), mRNA.	Mme-M300005124	ILMN_1254632	0	0
230738	Zc3h12a	-0.041	0.115	0.047	0	0	0	0	0	0	NM_153159	zinc finger CCCH type containing 12A (Zc3h12a), mRNA.	Mme-M200000151	ILMN_2604411	0	0
547176	Zc3h12b	0.110	-0.008	0.097	0	0	0	0	0	0	NM_001034907	zinc finger CCCH-type containing 12B (Zc3h12b), mRNA.	Mme-M400001751	ILMN_3162365	0	0
244871	Zc3h12c	-0.231	-0.066	-0.031	0	0	0	0	0	0	XM_146893	PREDICTED: zinc finger CCCH type containing 12C (Zc3h12c), mRNA.	Mme-M400001761	ILMN_1218498	0	0
237256	Zc3h12d	-0.009	0.146	0.100	0	0	0	0	0	0	NM_172785	zinc finger CCCH type containing 12D (Zc3h12d), mRNA.	Mme-M300012466	ILMN_2680398	0	0
67302	Zc3h13	0.277	-0.154	0.226	0	0	0	0	0	0	NM_026083	zinc finger CCCH type containing 13 (Zc3h13), mRNA.	Mme-M300003060	ILMN_2547078	0	0
75553	Zc3h14	-0.026	0.057	-0.068	0	0	0	0	0	0	NM_001008506	zinc finger CCCH type containing 14 (Zc3h14), transcript variant 2, mRNA.	Mme-M200005141	ILMN_1245261	0	0
69082	Zc3h15	0.179	0.003	0.113	0	0	0	0	0	0	NM_026934	zinc finger CCCH-type containing 15 (Zc3h15), mRNA.	Mme-M300005472	ILMN_1252832	0	0
76014	Zc3h18	0.163	-0.244	-0.116	0	0	0	0	0	0	NM_001029994	zinc finger CCCH-type containing 18 (Zc3h18), transcript variant 2, mRNA.	Mme-M200008351	ILMN_2687723	0	0
223642	Zc3h3	-0.196	-0.077	-0.093	0	0	0	0	0	0	NM_172121	zinc finger CCCH type containing 3 (Zc3h3), mRNA.	Mme-M400012213	ILMN_2507227	0	0
330474	Zc3h4	0.150	-0.094	-0.117	0	0	0	0	0	0	NM_198631	zinc finger CCCH-type containing 4 (Zc3h4), mRNA.	Mme-M300013123	ILMN_2977903	0	0
78751	Zc3h6	0.063	-0.188	-0.050	0	0	0	0	0	0	NM_178404	zinc finger CCCH type containing 6 (Zc3h6), mRNA.	Mme-M400009191	ILMN_2574066	0	0
106205	Zc3h7a	0.427	0.090	0.144	0	0	0	0	0	0	NM_145931	zinc finger CCCH type containing 7 A (Zc3h7a), mRNA.	Mme-M300011250	ILMN_2430275	0	0
20286	Zc3h7b	-0.075	0.103	0.009	0	0	0	0	0	0	NM_001081016	zinc finger CCCH type containing 7B (Zc3h7b), mRNA.	Mme-M300003255	ILMN_2449032	0	0
57432	Zc3h8	0.050	-0.008	-0.146	0	0	0	0	0	0	NM_020594	zinc finger CCCH type containing 8 (Zc3h8), mRNA.	Mme-M300005621	ILMN_1253864	0	0
78781	Zc3hav1	0.252	0.041	-0.001	0	0	0	0	0	0	NM_028864	zinc finger CCCH type, antiviral 1 (Zc3hav1), mRNA.	Mme-M300006894	ILMN_2516157	0	0
209032	Zc3hav1l	0.156	0.004	-0.040	0	0	0	0	0	0	NM_172467	zinc finger CCCH-type, antiviral 1-like (Zc3hav1l), mRNA.	Mme-M300018584	ILMN_1215954	0	0
232679	Zc3hc1	0.015	0.197	-0.098	0	0	0	0	0	0	NM_172735	zinc finger, C3HC type 1 (Zc3hc1), mRNA.	Mme-M300011975	ILMN_2602588	0	0
245522	Zc4h2	-0.070	-0.085	-0.092	0	0	0	0	0	0	NM_001003916	cDNA sequence AK129302 (AK129302), mRNA.	Mme-M300009676	ILMN_3078052	0	0
67966	Zcchc10	0.070	0.015	0.062	0	0	0	0	0	0	NM_026479	zinc finger, CCHC domain containing 10 (Zcchc10), mRNA.	Mme-M200006036	ILMN_2764235	0	0
230594	Zcchc11	-0.076	-0.089	0.122	0	0	0	0	0	0	NM_175472	zinc finger, CCHC domain containing 11 (Zcchc11), mRNA.	Mme-M300006180	ILMN_2423339	0	0
72693	Zcchc12	0.046	0.248	-0.185	0	0	0	0	0	0	NM_028325	zinc finger, CCHC domain containing 12 (Zcchc12), mRNA.	Mme-M200013665	ILMN_1213337	0	0
75064	Zcchc13	0.009	-0.030	0.104	0	0	0	0	0	0	NM_029158	cellular nucleic acid binding protein 2 (Cnbp2), mRNA.	Mme-M200010923	ILMN_2902833	0	0
142682	Zcchc14	0.112	-0.004	-0.038	0	0	0	0	0	0	NM_080855	zinc finger, CCHC domain containing 14 (Zcchc14), mRNA.	Mme-M200005149	ILMN_1235054	0	0
619287	Zcchc16	-0.117	0.046	-0.161	0	0	0	0	0	0	NM_001033795	zinc finger, CCHC domain containing 16 (Zcchc16), mRNA.	Mme-M400004758	ILMN_2992378	0	0
619605	Zcchc17	0.008	-0.027	0.051	0	0	0	0	0	0	NM_153160	zinc finger, CCHC domain containing 17 (Zcchc17), mRNA.	Mme-M200011998	ILMN_1246034	0	0
66995	Zcchc18	0.088	-0.090	-0.027	0	0	0	0	0	0	NM_025893	zinc finger, CCHC domain containing 18 (Zcchc18), transcript variant 3, mRNA.	Mme-M200004665	ILMN_2649172	0	0
71918	Zcchc24	-0.067	0.184	-0.078	0	0	0	0	0	0	NM_001101433	RIKEN cDNA 2310047A01 gene (2310047A01Rik), mRNA.	Mme-M400005216	ILMN_2675922	0	0
67917	Zcchc3	0.142	-0.157	-0.176	0	0	0	0	0	0	NM_175126	zinc finger, CCHC domain containing 3 (Zcchc3), mRNA.	Mme-M400012283	ILMN_2951955	0	0
78796	Zcchc4	-0.199	0.039	0.091	0	0	0	0	0	0	NM_030185	zinc finger, CCHC domain containing 4 (Zcchc4), mRNA.	Mme-M400001143	ILMN_2792877	0	0
213436	Zcchc5	-0.059	-0.042	0.025	0	0	0	0	0	0	NM_199468	zinc finger, CCHC domain containing 5 (Zcchc5), mRNA.	Mme-M300018523	ILMN_2441346	0	0
214290	Zcchc6	0.316	-0.187	0.054	0	0	0	0	0	0	NM_153538	zinc finger, CCHC domain containing 6 (Zcchc6), mRNA.	Mme-M300009811	ILMN_2480136	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
319885	Zcchc7	-0.097	-0.150	-0.069	0	0	0	0	0	0	NM_177027	zinc finger, CCHC domain containing 7 (Zcchc7), transcript variant 2, mRNA.	Mme-M400001832	ILMN_1251757	0	0
70650	Zcchc8	-0.059	0.226	-0.067	0	0	0	0	0	0	NM_027494	zinc finger, CCHC domain containing 8 (Zcchc8), mRNA.	Mme-M200006413	ILMN_2454880	0	0
69085	Zcchc9	0.225	0.073	0.088	0	0	0	0	0	0	NM_145453	zinc finger, CCHC domain containing 9 (Zcchc9), mRNA.	Mme-M200014732	ILMN_2503329	0	0
67197	Zcrb1	-0.016	-0.169	-0.114	0	0	0	0	0	0	NM_026025	zinc finger CCHC-type and RNA binding motif 1 (Zcrb1), mRNA.	Mme-M300003421	ILMN_2791551	0	0
381678	Zcwpw1	-0.203	0.129	0.146	0	0	0	0	0	0	NM_001005426	zinc finger, CW type with PWWP domain 1 (Zcwpw1), mRNA.	Mme-M300010738	ILMN_2982316	0	0
73884	Zdbf2	0.062	0.166	-0.373	0	0	-1	0	0	0	XM_908801	PREDICTED: RIKEN cDNA 4930431J08 gene (4930431J08Rik), mRNA.	Mme-M400015748	ILMN_2440612	0	0
70796	Zdhhc1	-0.112	-0.118	-0.113	0	0	0	0	0	0	NM_175160	zinc finger, DHHC domain containing 1 (Zdhhc1), mRNA.	Mme-M300012022	ILMN_2495299	0	0
71164	Zdhhc11	-0.159	-0.026	0.047	0	0	0	0	0	0	NM_027704	zinc finger, DHHC domain containing 11 (Zdhhc11), mRNA.	Mme-M400013545	ILMN_2510310	0	0
66220	Zdhhc12	0.295	-0.184	-0.160	0	0	0	0	0	0	NM_001037762	zinc finger, DHHC domain containing 12 (Zdhhc12), transcript variant 2, mRNA.	Mme-M300001402	ILMN_2520032	0	0
243983	Zdhhc13	0.053	0.148	0.085	0	0	0	0	0	0	NM_028031	zinc finger, DHHC domain containing 13 (Zdhhc13), mRNA.	Mme-M200005264	ILMN_2806188	0	0
224454	Zdhhc14	0.147	0.050	0.074	0	0	0	0	0	0	NM_146073	zinc finger, DHHC domain containing 14 (Zdhhc14), mRNA.	Mme-M200004358	ILMN_1240332	0	0
108672	Zdhhc15	0.000	-0.094	-0.019	0	0	0	0	0	0	NM_175358	zinc finger, DHHC domain containing 15 (Zdhhc15), mRNA.	Mme-M300009018	ILMN_2798576	0	0
74168	Zdhhc16	0.226	0.177	-0.072	0	0	0	0	0	0	NM_023740	zinc finger, DHHC domain containing 16 (Zdhhc16), mRNA.	Mme-M200003877	ILMN_2493874	0	0
320150	Zdhhc17	-0.055	-0.134	0.175	0	0	0	0	0	0	NM_172554	zinc finger, DHHC domain containing 17 (Zdhhc17), mRNA.	Mme-M300010093	ILMN_2822229	0	0
503610	Zdhhc18	-0.089	0.094	-0.044	0	0	0	0	0	0	NM_001017968	zinc finger, DHHC domain containing 18 (Zdhhc18), mRNA.	Mme-M300010998	ILMN_3162113	0	0
245308	Zdhhc19	0.133	-0.053	-0.070	0	0	0	0	0	0	NM_199309	zinc finger, DHHC domain containing 19 (Zdhhc19), mRNA.	Mme-M400004089	ILMN_3046887	0	0
70546	Zdhhc2	-0.307	0.071	-0.022	0	0	0	0	0	0	NM_178395	zinc finger, DHHC domain containing 2 (Zdhhc2), mRNA.	Mme-M300012190	ILMN_2442336	0	0
75965	Zdhhc20	0.184	-0.115	-0.127	0	0	0	0	0	0	NM_029492	zinc finger, DHHC domain containing 20 (Zdhhc20), mRNA.	Mme-M200006292	ILMN_2730351	0	0
68268	Zdhhc21	-0.207	-0.091	0.074	0	0	0	0	0	0	NM_026647	zinc finger, DHHC domain containing 21 (Zdhhc21), mRNA.	Mme-M300006079	ILMN_2780619	0	0
332175	Zdhhc23	0.117	-0.028	0.024	0	0	0	0	0	0	NM_001007460	zinc finger, DHHC domain containing 23 (Zdhhc23), mRNA.	Mme-M400001893	ILMN_3162286	0	0
70605	Zdhhc24	-0.147	0.180	0.114	0	0	0	0	0	0	NM_027476	zinc finger, DHHC domain containing 24 (Zdhhc24), mRNA.	Mme-M200007907	ILMN_2860580	0	0
69035	Zdhhc3	0.055	-0.173	-0.064	0	0	0	0	0	0	NM_026917	zinc finger, DHHC domain containing 3 (Zdhhc3), mRNA.	Mme-M200005933	ILMN_1225988	0	0
72881	Zdhhc4	-0.026	-0.091	-0.072	0	0	0	0	0	0	NM_028379	zinc finger, DHHC domain containing 4 (Zdhhc4), mRNA.	Mme-M200016282	ILMN_1239603	0	0
228136	Zdhhc5	-0.307	-0.164	-0.215	0	0	0	0	0	0	NM_144887	zinc finger, DHHC domain containing 5 (Zdhhc5), mRNA.	Mme-M300009131	ILMN_2779318	0	0
66980	Zdhhc6	-0.102	0.097	0.140	0	0	0	0	0	0	NM_025883	zinc finger, DHHC domain containing 6 (Zdhhc6), transcript variant 2, mRNA.	Mme-M200004742	ILMN_1242247	0	0
102193	Zdhhc7	-0.154	0.023	-0.003	0	0	0	0	0	0	NM_133967	zinc finger, DHHC domain containing 7 (Zdhhc7), mRNA.	Mme-M400001407	ILMN_1214054	0	0
27801	Zdhhc8	-0.098	0.046	0.035	0	0	0	0	0	0	NM_172151	zinc finger, DHHC domain containing 8 (Zdhhc8), mRNA.	Mme-M300013197	ILMN_2429203	0	0
208884	Zdhhc9	0.139	-0.104	0.215	0	0	0	0	0	0	NM_172465	zinc finger, DHHC domain containing 9 (Zdhhc9), mRNA.	Mme-M300010678	ILMN_2473374	0	0
21417	Zeb1	-0.221	0.064	-0.045	0	0	0	0	0	0	NM_011546	zinc finger E-box binding homeobox 1 (Zeb1), mRNA.	Mme-M200001511	ILMN_2492500	0	0
24136	Zeb2	0.253	0.088	-0.073	0	0	0	0	0	0	NM_015753	zinc finger E-box binding homeobox 2 (Zeb2), transcript variant 2, mRNA.	Mme-M400017551	ILMN_1232121	0	0
227693	Zer1	0.174	0.012	-0.067	0	0	0	0	0	0	NM_178694	zer-1 homolog (C. elegans) (Zer1), mRNA.	Mme-M300012300	ILMN_1227218	0	0
66361	Zfand1	-0.152	-0.016	0.085	0	0	0	0	0	0	NM_025512	zinc finger, AN1-type domain 1 (Zfand1), mRNA.	Mme-M300012375	ILMN_2660056	0	0
100494	Zfand2a	0.063	-0.038	-0.102	0	0	0	0	0	0	NM_133349	zinc finger, AN1-type domain 2A (Zfand2a), mRNA.	Mme-M200004918	ILMN_1230489	0	0
68818	Zfand2b	-0.281	0.136	-0.131	0	0	0	0	0	0	NM_026846	zinc finger, AN1 type domain 2B (Zfand2b), mRNA.	Mme-M200007251	ILMN_2659440	0	0
21769	Zfand3	0.029	-0.098	0.041	0	0	0	0	0	0	NM_148926	zinc finger, AN1-type domain 3 (Zfand3), mRNA.	Mme-M300015494	ILMN_2753096	0	0
67492	Zfand4	0.004	0.030	0.001	0	0	0	0	0	0	NM_001081317	AN1, ubiquitin-like, homolog (Xenopus laevis) (Anubl1), mRNA.	Mme-M300013569	ILMN_2738707	0	0
65098	Zfand6	0.229	0.040	-0.019	0	0	0	0	0	0	NM_022985	zinc finger, AN1-type domain 6 (Zfand6), mRNA.	Mme-M200000647	ILMN_1246120	0	0
22639	Zfa-ps	-0.065	-0.127	0.006	0	0	0	0	0	0	NM_009540	zinc finger protein, autosomal (Zfa), mRNA.	Mme-M400003575	ILMN_1219120	0	0
380993	Zfat	-0.389	-0.060	0.144	0	0	0	0	0	0	NM_198644	zinc finger and AT hook domain containing (Zfat), mRNA.	Mme-M400000562	ILMN_2985411	0	0
216345	Zfc3h1	-0.100	-0.085	0.066	0	0	0	0	0	0	NM_001033261	coiled-coil domain containing 131 (Ccdc131), mRNA.	Mme-M400001659	ILMN_1252997	0	0
239102	Zfhx2	-0.113	-0.167	-0.130	0	0	0	0	0	0	NM_001039198	zinc finger homeobox 2 (Zfhx2), mRNA.	Mme-M400005407	ILMN_2964785	0	0
11906	Zfhx3	0.323	-0.458	-0.328	0	-1	-1	0	0	0	NM_007496	zinc finger homeobox 3 (Zfhx3), mRNA.	Mme-M300014013	ILMN_1213439	0	0
80892	Zfhx4	-0.237	0.074	-0.062	0	0	0	0	0	0	NM_030708	zinc finger homeodomain 4 (Zfhx4), mRNA.	Mme-M400000815	ILMN_2520592	0	0
18139	Zfml	-0.093	-0.088	-0.002	0	0	0	0	0	0	NM_008717	zinc finger, matrin-like (Zfml), mRNA.	Mme-M200001780	ILMN_2930933	0	0
22640	Zfp1	0.048	-0.091	0.166	0	0	0	0	0	0	NM_011742	zinc finger protein 1 (Zfp1), transcript variant 2, mRNA.	Mme-M400005315	ILMN_1214224	0	0
22643	Zfp101	0.021	0.056	0.226	0	0	0	0	0	0	NM_009542	zinc finger protein 101 (Zfp101), mRNA.	Mme-M200001730	ILMN_2519789	0	0
22646	Zfp105	0.023	0.112	-0.042	0	0	0	0	0	0	NM_009544	zinc finger protein 105 (Zfp105), mRNA.	Mme-M300008304	ILMN_1245099	0	0
20402	Zfp106	0.190	0.022	0.092	0	0	0	0	0	0	NM_011743	zinc finger protein 106 (Zfp106), mRNA.	Mme-M200005637	ILMN_2482427	0	0
56869	Zfp109	-0.372	0.065	0.004	0	0	0	0	0	0	NM_020262	zinc finger protein 109 (Zfp109), mRNA.	Mme-M300019699	ILMN_2982308	0	0
22648	Zfp11	-0.535	-0.145	0.053	0	0	0	0	0	0	NM_172462	zinc finger protein 11 (Zfp11), mRNA.	Mme-M300021687	ILMN_2785558	0	0
65020	Zfp110	0.010	0.146	0.146	0	0	0	0	0	0	NM_022981	zinc finger protein 110 (Zfp110), mRNA.	Mme-M400006420	ILMN_1238551	0	0
56707	Zfp111	0.007	0.108	0.063	0	0	0	0	0	0	NM_019940	zinc finger protein 111 (Zfp111), mRNA.	Mme-M300013074	ILMN_2836693	0	0
57745	Zfp112	0.146	0.110	-0.017	0	0	0	0	0	0	NM_021307	zinc finger protein 112 (Zfp112), mRNA.	Mme-M300007264	ILMN_1221408	0	0
56314	Zfp113	-0.173	-0.045	-0.055	0	0	0	0	0	0	NM_019747	zinc finger protein 113 (Zfp113), mRNA.	Mme-M200003752	ILMN_2439322	0	0
232966	Zfp114	-0.292	0.092	0.041	0	0	0	0	0	0	NM_001029933	zinc finger protein 114 (Zfp114), mRNA.	Mme-M400002474	ILMN_1219334	0	0
104349	Zfp119a	0.014	0.090	-0.016	0	0	0	0	0	0	NM_144546	zinc finger protein 119 (Zfp119), mRNA.	Mme-M400006091	ILMN_2907989	0	0
240120	Zfp119b	0.112	-0.021	0.041	0	0	0	0	0	0	NM_146249	cDNA sequence BC031441 (BC031441), mRNA.	Mme-M400007681	ILMN_2717936	0	0
231866	Zfp12	0.281	-0.071	-0.114	0	0	0	0	0	0	NM_177681	zinc finger protein 12 (Zfp12), mRNA.	Mme-M400001183	ILMN_2655429	0	0
104348	Zfp120	0.112	-0.074	0.044	0	0	0	0	0	0	NM_023266	zinc finger protein 120 (Zfp120), transcript variant 2, mRNA.	Mme-M400011433	ILMN_2456317	0	0
243833	Zfp128	-0.035	0.067	-0.054	0	0	0	0	0	0	NM_153802	zinc finger protein 128 (Zfp128), mRNA.	Mme-M300020123	ILMN_2470238	0	0
22654	Zfp13	-0.073	-0.102	-0.066	0	0	0	0	0	0	NM_011747	zinc finger protein 13 (Zfp13), mRNA.	Mme-M300003799	ILMN_2877740	0	0
72465	Zfp131	0.088	-0.082	0.106	0	0	0	0	0	0	NM_028245	zinc finger protein 131 (Zfp131), mRNA.	Mme-M400008408	ILMN_2438212	0	0
243906	Zfp14	0.018	0.022	-0.013	0	0	0	0	0	0	NM_178733	zinc finger protein 14 (Zfp14), transcript variant 2, mRNA.	Mme-M300001142	ILMN_1253157	0	0
20841	Zfp143	-0.208	-0.040	0.071	0	0	0	0	0	0	NM_009281	zinc finger protein 143 (Zfp143), mRNA.	Mme-M300007536	ILMN_1214416	0	0
26465	Zfp146	0.094	-0.095	-0.005	0	0	0	0	0	0	NM_011980	zinc finger protein 146 (Zfp146), mRNA.	Mme-M400001972	ILMN_1259959	0	0
22661	Zfp148	0.324	0.204	-0.037	0	0	0	0	0	0	NM_011749	zinc finger protein 148 (Zfp148), mRNA.	Mme-M400015130	ILMN_2427349	0	0
72154	Zfp157	0.189	0.034	-0.063	0	0	0	0	0	0	NM_028130	zinc finger protein 157 (Zfp157), mRNA.	Mme-M400001941	ILMN_1235580	0	0
224585	Zfp160	0.126	0.015	0.067	0	0	0	0	0	0	NM_145483	zinc finger protein 160 (Zfp160), mRNA.	Mme-M200006970	ILMN_2867013	0	0
67911	Zfp169	0.086	0.048	0.016	0	0	0	0	0	0	NM_026450	zinc finger protein 169 (Zfp169), mRNA.	Mme-M200009259	ILMN_1244864	0	0
385674	Zfp174	-0.274	-0.110	0.006	0	0	0	0	0	0	NM_001081217	zinc finger protein 174 (Zfp174), mRNA.	Mme-M400004988	ILMN_3104048	0	0
210135	Zfp180	0.118	-0.015	-0.054	0	0	0	0	0	0	NM_001045486	zinc finger protein 180 (Zfp180), mRNA.	Mme-M200007207	ILMN_2803368	0	0
319535	Zfp182	0.034	-0.024	0.036	0	0	0	0	0	0	NM_001013387	zinc finger protein 182 (Zfp182), transcript variant 1, mRNA.	Mme-M400004925	ILMN_2815571	0	0
193452	Zfp184	0.226	0.029	-0.045	0	0	0	0	0	0	NM_183014	zinc finger protein 184 (Kruppel-like) (Zfp184), mRNA.	Mme-M300000849	ILMN_2416545	0	0
22673	Zfp185	0.134	-0.304	-0.111	0	0	0	0	0	0	NM_001109043	zinc finger protein 185 (Zfp185), transcript variant 2, mRNA.	Mme-M200000420	ILMN_2448749	0	0
230162	Zfp189	0.163	0.025	-0.066	0	0	0	0	0	0	NM_145547	zinc finger protein 189 (Zfp189), mRNA.	Mme-M200012160	ILMN_2479585	0	0
59057	Zfp191	-0.005	0.043	-0.018	0	0	0	0	0	0	NM_021559	zinc finger protein 191 (Zfp191), mRNA.	Mme-M300022100	ILMN_2421299	0	0
22678	Zfp2	-0.094	0.106	-0.221	0	0	0	0	0	0	NM_001044700	zinc finger protein 2 (Zfp2), transcript variant 6, mRNA.	Mme-M300020062	ILMN_3100688	0	0
80902	Zfp202	0.015	-0.015	-0.051	0	0	0	0	0	0	NM_030713	zinc finger protein 202 (Zfp202), mRNA.	Mme-M200009056	ILMN_1223591	0	0
22680	Zfp207	0.219	0.065	0.061	0	0	0	0	0	0	NM_011751	zinc finger protein 207 (Zfp207), mRNA.	Mme-M200003075	ILMN_2498416	0	0
232784	Zfp212	0.164	0.193	-0.061	0	0	0	0	0	0	NM_145576	Zinc finger protein 212 (Zfp212), mRNA.	Mme-M200012776	ILMN_2455178	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
449521	Zfp213	-0.050	0.051	0.170	0	0	0	0	0	0	NM_001033496	zinc finger protein 213 (Zfp213), mRNA.	Mme-M400000692	ILMN_3160203	0	0
228913	Zfp217	-0.027	-0.071	0.058	0	0	0	0	0	0	NM_001033299	zinc finger protein 217 (Zfp217), mRNA.	Mme-M400003984	ILMN_1233739	0	0
69890	Zfp219	-0.203	-0.016	-0.047	0	0	0	0	0	0	NM_027248	zinc finger protein 219 (Zfp219), mRNA.	Mme-M400003527	ILMN_2896229	0	0
56525	Zfp235	-0.130	0.166	-0.046	0	0	0	0	0	0	NM_019941	zinc finger protein 235 (Zfp235), mRNA.	Mme-M300018446	ILMN_2466926	0	0
329002	Zfp236	-0.104	-0.154	-0.073	0	0	0	0	0	0	XM_484752	PREDICTED: zinc finger protein 236, transcript variant 1 (Zfp236), mRNA.	Mme-M400003937	ILMN_1257649	0	0
22685	Zfp239	-0.118	-0.066	-0.078	0	0	0	0	0	0	NM_008616	zinc finger protein 239 (Zfp239), transcript variant 2, mRNA.	Mme-M200000468	ILMN_3127381	0	0
72720	Zfp248	-0.186	0.039	-0.012	0	0	0	0	0	0	NM_028335	zinc finger protein 248 (Zfp248), mRNA.	Mme-M200014798	ILMN_1230997	0	0
71591	Zfp251	0.040	0.123	0.051	0	0	0	0	0	0	NM_001007568	zinc finger protein 251 (Zfp251), mRNA.	Mme-M300003334	ILMN_2870623	0	0
22688	Zfp26	0.098	0.020	-0.123	0	0	0	0	0	0	NM_011753	zinc finger protein 26 (Zfp26), mRNA.	Mme-M300008083	ILMN_1247129	0	0
26466	Zfp260	0.255	-0.034	0.121	0	0	0	0	0	0	NM_011981	zinc finger protein 260 (Zfp260), mRNA.	Mme-M400011184	ILMN_1247633	0	0
74120	Zfp263	0.191	-0.225	0.118	0	0	0	0	0	0	NM_148924	zinc finger protein 263 (Zfp263), mRNA.	Mme-M300003343	ILMN_2496621	0	0
22689	Zfp27	0.000	0.025	0.009	0	0	0	0	0	0	NM_011754	zinc finger protein 27 (Zfp27), transcript variant 2, mRNA.	Mme-M300001139	ILMN_3117788	0	0
212569	Zfp273	0.131	-0.011	0.032	0	0	0	0	0	0	NM_198322	zinc finger protein 273 (Zfp273), mRNA.	Mme-M400001276	ILMN_1232296	0	0
27081	Zfp275	-0.492	-0.005	-0.135	0	0	0	0	0	0	NM_031494	zinc finger protein 275 (Zfp275), mRNA.	Mme-M200005302	ILMN_2464217	0	0
57247	Zfp276	0.094	-0.176	-0.079	0	0	0	0	0	0	NM_020497	zinc finger protein (C2H2 type) 276 (Zfp276), mRNA.	Mme-M400000028	ILMN_2509962	0	0
246196	Zfp277	0.261	0.012	0.033	0	0	0	0	0	0	NM_178845	zinc finger protein 277 (Zfp277), transcript variant 2, mRNA.	Mme-M300010180	ILMN_3123889	0	0
22690	Zfp28	-0.335	0.049	-0.046	0	0	0	0	0	0	NM_175247	zinc finger protein 28 (Zfp28), mRNA.	Mme-M300007221	ILMN_2419275	0	0
64453	Zfp280b	-0.069	0.057	-0.031	0	0	0	0	0	0	NM_177475	zinc finger protein 280b (Zfp280b), mRNA.	Mme-M300020489	ILMN_2804702	0	0
208968	Zfp280c	-0.049	0.025	0.081	0	0	0	0	0	0	NM_153532	zinc finger protein 280c (Zfp280c), mRNA.	Mme-M300010629	ILMN_1252459	0	0
235469	Zfp280d	0.207	-0.060	0.073	0	0	0	0	0	0	NM_146224	suppressor of hairy wing homolog 4 (Drosophila) (Suhw4), mRNA.	Mme-M300019603	ILMN_1218743	0	0
226442	Zfp281	0.156	0.023	0.147	0	0	0	0	0	0	NM_177643	zinc finger protein 281 (Zfp281), mRNA.	Mme-M200007226	ILMN_1220893	0	0
101095	Zfp282	0.074	-0.092	-0.138	0	0	0	0	0	0	NM_146175	zinc finger protein 282 (Zfp282), mRNA.	Mme-M300004796	ILMN_1256121	0	0
192651	Zfp286	-0.158	0.108	-0.109	0	0	0	0	0	0	NM_138949	zinc finger protein 286 (Zfp286), mRNA.	Mme-M300018190	ILMN_2441785	0	0
170740	Zfp287	0.058	-0.008	-0.036	0	0	0	0	0	0	NM_133208	zinc finger protein 287 (Zfp287), mRNA.	Mme-M300000656	ILMN_2443102	0	0
30046	Zfp292	-0.103	-0.324	-0.226	0	0	0	0	0	0	NM_013889	zinc finger protein 292 (Zfp292), mRNA.	Mme-M400011230	ILMN_1249547	0	0
63872	Zfp296	-0.146	-0.092	0.067	0	0	0	0	0	0	NM_022409	zinc finger protein 296 (Zfp296), mRNA.	Mme-M400011412	ILMN_2470407	0	0
193043	Zfp3	-0.104	0.055	0.021	0	0	0	0	0	0	NM_177565	zinc finger protein 3 (Zfp3), mRNA.	Mme-M300014667	ILMN_1221886	0	0
22693	Zfp30	0.015	-0.176	-0.086	0	0	0	0	0	0	NM_013705	zinc finger protein 30 (Zfp30), mRNA.	Mme-M200001113	ILMN_2450096	0	0
245368	Zfp300	-0.100	0.051	-0.024	0	0	0	0	0	0	NM_183185	zinc finger protein 300 (Zfp300), mRNA.	Mme-M300007554	ILMN_2693330	0	0
54201	Zfp316	-0.073	0.136	-0.068	0	0	0	0	0	0	NM_017467	zinc finger protein 316 (Zfp316), mRNA.	Mme-M300012146	ILMN_2435891	0	0
244713	Zfp317	-0.020	-0.136	0.119	0	0	0	0	0	0	NM_172918	zinc finger protein 75 (Zfp75), mRNA.	Mme-M300010921	ILMN_2421275	0	0
57908	Zfp318	0.093	-0.102	0.064	0	0	0	0	0	0	NM_207671	zinc finger protein 318 (Zfp318), transcript variant 1, mRNA.	Mme-M400009048	ILMN_1212982	0	0
79233	Zfp319	0.221	-0.069	-0.036	0	0	0	0	0	0	NM_024467	zinc finger protein 319 (Zfp319), mRNA.	Mme-M300017448	ILMN_1257481	0	0
218100	Zfp322a	0.141	-0.020	-0.040	0	0	0	0	0	0	NM_172586	zinc finger protein 322a (Zfp322a), transcript variant 2, mRNA.	Mme-M200014440	ILMN_2462791	0	0
243834	Zfp324	0.177	-0.108	0.069	0	0	0	0	0	0	NM_178732	zinc finger protein 324 (Zfp324), mRNA.	Mme-M300000560	ILMN_2687195	0	0
54367	Zfp326	0.096	-0.213	0.069	0	0	0	0	0	0	NM_018759	zinc finger protein 326 (Zfp326), mRNA.	Mme-M200003172	ILMN_2996021	0	0
67230	Zfp329	-0.192	0.068	0.185	0	0	0	0	0	0	NM_026046	zinc finger protein 329 (Zfp329), mRNA.	Mme-M300017617	ILMN_2691286	0	0
30932	Zfp330	0.380	0.095	-0.087	0	0	0	0	0	0	NM_145600	zinc finger protein 330 (Zfp330), mRNA.	Mme-M200006186	ILMN_2825109	0	0
228876	Zfp334	-0.167	0.027	-0.100	0	0	0	0	0	0	NM_178411	zinc finger protein 334 (Zfp334), mRNA.	Mme-M300001598	ILMN_2855298	0	0
329559	Zfp335	0.055	0.202	-0.005	0	0	0	0	0	0	NM_199027	zinc finger protein 335 (Zfp335), mRNA.	Mme-M300012398	ILMN_1243052	0	0
228807	Zfp341	-0.129	-0.010	-0.033	0	0	0	0	0	0	NM_199304	zinc finger protein 341 (Zfp341), mRNA.	Mme-M300005711	ILMN_1221742	0	0
26919	Zfp346	0.084	-0.098	0.130	0	0	0	0	0	0	NM_012017	zinc finger protein 346 (Zfp346), mRNA.	Mme-M200004512	ILMN_1253077	0	0
22694	Zfp35	-0.076	0.207	0.116	0	0	0	0	0	0	NM_011755	zinc finger protein 35 (Zfp35), mRNA.	Mme-M400008197	ILMN_2508595	0	0
236537	Zfp352	-0.210	0.018	-0.036	0	0	0	0	0	0	NM_153102	zinc finger protein 352 (Zfp352), mRNA.	Mme-M300018612	ILMN_1227634	0	0
234203	Zfp353	-0.394	-0.104	0.048	0	0	0	0	0	0	NM_153096	zinc finger protein 353 (Zfp353), mRNA.	Mme-M400007866	ILMN_1237209	0	0
21408	Zfp354a	0.028	-0.049	0.070	0	0	0	0	0	0	NM_009329	zinc finger protein 354A (Zfp354a), mRNA.	Mme-M200001957	ILMN_2449563	0	0
27274	Zfp354b	-0.034	0.031	0.096	0	0	0	0	0	0	NM_013744	zinc finger protein 354B (Zfp354b), mRNA.	Mme-M300002144	ILMN_2433057	0	0
30944	Zfp354c	0.335	0.049	-0.037	0	0	0	0	0	0	NM_013922	zinc finger protein 354C (Zfp354c), mRNA.	Mme-M400016757	ILMN_2461182	0	0
22695	Zfp36	-0.221	0.198	0.087	0	0	0	0	0	0	NM_011756	zinc finger protein 36 (Zfp36), mRNA.	Mme-M400002946	ILMN_3162407	0	0
230761	Zfp362	0.169	-0.135	0.032	0	0	0	0	0	0	NM_001081098	zinc finger protein 362 (Zfp362), mRNA.	Mme-M400001119	ILMN_2738156	0	0
216049	Zfp365	0.153	0.111	0.153	0	0	0	0	0	0	NM_178679	zinc finger protein 365 (Zfp365), mRNA.	Mme-M300011170	ILMN_2966034	0	0
238803	Zfp366	0.003	0.088	-0.082	0	0	0	0	0	0	NM_001004149	zinc finger protein 366 (Zfp366), mRNA.	Mme-M300021578	ILMN_1228615	0	0
238673	Zfp367	0.034	0.083	0.022	0	0	0	0	0	0	NM_175494	zinc finger protein 367 (Zfp367), mRNA.	Mme-M300015916	ILMN_2897424	0	0
170936	Zfp369	-0.075	-0.052	-0.028	0	0	0	0	0	0	NM_178364	zinc finger protein 369 (Zfp369), mRNA.	Mme-M200012774	ILMN_2520663	0	0
12192	Zfp36l1	-0.035	-0.178	0.257	0	0	0	0	0	0	NM_007564	zinc finger protein 36, C3H type-like 1 (Zfp36l1), mRNA.	Mme-M200003641	ILMN_1247853	0	0
12193	Zfp36l2	-0.220	-0.054	0.016	0	0	0	0	0	0	NM_001001806	zinc finger protein 36, C3H type-like 2 (Zfp36l2), mRNA.	Mme-M200016261	ILMN_2518062	0	0
333473	Zfp36l3	-0.236	0.044	-0.052	0	0	0	0	0	0	NM_001009549	zinc finger protein 36, C3H type-like 3 (Zfp36l3), mRNA.	Mme-M400006761	ILMN_2786954	0	0
22696	Zfp37	-0.131	-0.077	0.100	0	0	0	0	0	0	NM_009554	zinc finger protein 37 (Zfp37), mRNA.	Mme-M200002089	ILMN_2809334	0	0
233060	Zfp382	-0.290	0.071	0.061	0	0	0	0	0	0	NM_001081007	zinc finger protein 382 (Zfp382), mRNA.	Mme-M300020162	ILMN_2987207	0	0
29813	Zfp385a	0.090	0.068	-0.051	0	0	0	0	0	0	NM_013866	zinc finger protein 385A (Zfp385a), mRNA.	Mme-M300000085	ILMN_2462783	0	0
241494	Zfp385b	-0.076	-0.296	-0.139	0	0	0	0	0	0	NM_001113399	zinc finger protein 385B (Zfp385b), transcript variant 2, mRNA.	Mme-M300005438	ILMN_2466031	0	0
278304	Zfp385c	0.248	0.046	-0.037	0	0	0	0	0	0	NM_177790	zinc finger protein 385C (Zfp385c), mRNA.	Mme-M300001265	ILMN_1218859	0	0
56220	Zfp386	0.362	0.121	-0.067	0	0	0	0	0	0	NM_019565	zinc finger protein 386 (Kruppel-like) (Zfp386), transcript variant 2, mRNA.	Mme-M300013479	ILMN_2429383	0	0
22698	Zfp39	-0.226	0.162	-0.037	0	0	0	0	0	0	NM_011758	zinc finger protein 39 (Zfp39), mRNA.	Mme-M300010684	ILMN_1241611	0	0
380912	Zfp395	-0.373	0.145	-0.049	0	0	0	0	0	0	NM_199029	zinc finger protein 395 (Zfp395), mRNA.	Mme-M400007834	ILMN_2512442	0	0
69256	Zfp397	0.030	-0.039	0.082	0	0	0	0	0	0	NM_027007	zinc finger protein 397 (Zfp397), mRNA.	Mme-M300004025	ILMN_2451377	0	0
272347	Zfp398	-0.054	0.049	-0.046	0	0	0	0	0	0	NM_173034	zinc finger protein 398 (Zfp398), transcript variant 2, mRNA.	Mme-M300004793	ILMN_1242042	0	0
22700	Zfp40	0.014	-0.020	-0.009	0	0	0	0	0	0	NM_009555	zinc finger protein 40 (Zfp40), mRNA.	Mme-M300000326	ILMN_2492000	0	0
240476	Zfp407	-0.185	0.093	0.039	0	0	0	0	0	0	XM_976217	PREDICTED: zinc finger protein 407 (Zfp407), mRNA.	Mme-M300009690	ILMN_1249245	0	0
381410	Zfp408	-0.277	0.043	-0.026	0	0	0	0	0	0	NM_001033451	zinc finger protein 408 (Zfp408), mRNA.	Mme-M400010238	ILMN_1248477	0	0
22701	Zfp41	-0.396	-0.032	-0.047	0	0	0	0	0	0	NM_001044718	zinc finger protein 41 (Zfp41), transcript variant 2, mRNA.	Mme-M400003237	ILMN_2461345	0	0
52708	Zfp410	0.200	0.089	0.108	0	0	0	0	0	0	NM_144833	zinc finger protein 410 (Zfp410), mRNA.	Mme-M300013707	ILMN_1259006	0	0
328801	Zfp414	-0.076	0.275	-0.097	0	0	0	0	0	0	NM_026712	zinc finger protein 414 (Zfp414), mRNA.	Mme-M400009043	ILMN_2576336	0	0
232854	Zfp418	-0.096	0.019	-0.131	0	0	0	0	0	0	NM_146179	zinc finger protein 418 (Zfp418), mRNA.	Mme-M300009398	ILMN_1251225	0	0
22702	Zfp42	-0.228	0.060	0.097	0	0	0	0	0	0	NM_009556	zinc finger protein 42 (Zfp42), mRNA.	Mme-M400003790	ILMN_2961604	0	0
67255	Zfp422	0.038	-0.071	-0.012	0	0	0	0	0	0	NM_026057	zinc finger protein 422 (Zfp422), mRNA.	Mme-M300013531	ILMN_2435673	0	0
94187	Zfp423	0.077	0.118	-0.233	0	0	0	0	0	0	NM_033327	zinc finger protein 423 (Zfp423), mRNA.	Mme-M400003015	ILMN_3131693	0	0
235028	Zfp426	-0.090	-0.114	-0.052	0	0	0	0	0	0	NM_001110309	zinc finger protein 426 (Zfp426), transcript variant 2, mRNA.	Mme-M300008084	ILMN_2510740	0	0
232969	Zfp428	-0.079	-0.159	0.223	0	0	0	0	0	0	NM_146183	zinc finger protein 428 (Zfp428), mRNA.	Mme-M300016413	ILMN_2813524	0	0
73610	Zfp433	-0.178	0.104	0.119	0	0	0	0	0	0	XM_984400	PREDICTED: RIKEN cDNA 1700123A16 gene (1700123A16Rik), mRNA.	Mme-M400007078	ILMN_1221985	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
240186	Zfp438	-0.176	-0.119	0.041	0	0	0	0	0	0	NM_178722	zinc finger protein 438 (Zfp438), mRNA.	Mme-M300021600	ILMN_2731675	0	0
72667	Zfp444	-0.353	-0.024	0.062	0	0	0	0	0	0	NM_028316	zinc finger protein 444 (Zfp444), mRNA.	Mme-M300015863	ILMN_2654847	0	0
235682	Zfp445	0.207	-0.231	0.308	0	0	1	0	0	0	NM_173364	zinc finger protein 445 (Zfp445), mRNA.	Mme-M400003243	ILMN_2425032	0	0
269870	Zfp446	-0.218	0.121	0.102	0	0	0	0	0	0	NM_175558	zinc finger protein 446 (Zfp446), mRNA.	Mme-M300009054	ILMN_2726595	0	0
78619	Zfp449	-0.431	0.155	-0.097	0	0	0	0	0	0	NM_030139	zinc finger protein 449 (Zfp449), mRNA.	Mme-M300007567	ILMN_1226584	0	0
98403	Zfp451	0.254	-0.041	0.142	0	0	0	0	0	0	NM_133817	zinc finger protein 451 (Zfp451), mRNA.	Mme-M200015112	ILMN_2508639	0	0
237758	Zfp454	-0.053	-0.045	0.027	0	0	0	0	0	0	NM_172794	zinc finger protein 454 (Zfp454), mRNA.	Mme-M300019506	ILMN_1247155	0	0
218311	Zfp455	-0.168	-0.016	-0.094	0	0	0	0	0	0	NM_001048204	zinc finger protein 455 (Zfp455), mRNA.	Mme-M400006541	ILMN_2428584	0	0
431706	Zfp457	0.032	-0.143	0.200	0	0	0	0	0	0	NM_001003666	zinc finger protein 457 (Zfp457), mRNA.	Mme-M400005133	ILMN_2827267	0	0
238690	Zfp458	0.042	-0.063	0.110	0	0	0	0	0	0	NM_001001152	zinc finger protein 458 (Zfp458), mRNA.	Mme-M400010675	ILMN_2446766	0	0
328274	Zfp459	0.255	-0.034	-0.097	0	0	0	0	0	0	NM_177811	zinc finger protein 459 (Zfp459), mRNA.	Mme-M400005227	ILMN_1253331	0	0
22704	Zfp46	0.074	-0.140	0.096	0	0	0	0	0	0	NM_009557	zinc finger protein 46 (Zfp46), mRNA.	Mme-M200000615	ILMN_2574108	0	0
242466	Zfp462	-0.231	-0.006	0.084	0	0	0	0	0	0	NM_172867	zinc finger protein 462 (Zfp462), mRNA.	Mme-M400007137	ILMN_2515893	0	0
68910	Zfp467	0.171	-0.122	0.155	0	0	0	0	0	0	NM_001085416	zinc finger protein 467 (Zfp467), transcript variant 3, mRNA.	Mme-M400013050	ILMN_2429059	0	0
224691	Zfp472	0.088	-0.053	0.122	0	0	0	0	0	0	NM_153063	zinc finger protein 472 (Zfp472), mRNA.	Mme-M400004526	ILMN_2932722	0	0
243963	Zfp473	-0.484	0.097	0.127	0	0	0	0	0	0	NM_178734	zinc finger protein 473 (Zfp473), mRNA.	Mme-M300018838	ILMN_2811918	0	0
66758	Zfp474	0.005	-0.080	-0.069	0	0	0	0	0	0	NM_025749	zinc finger protein 474 (Zfp474), mRNA.	Mme-M200014703	ILMN_2810417	0	0
382867	Zfp488	-0.512	-0.052	0.067	0	0	0	0	0	0	NM_001013777	zinc finger protein 488 (Zfp488), mRNA.	Mme-M400002909	ILMN_2808383	0	0
218820	Zfp503	0.220	-0.004	-0.039	0	0	0	0	0	0	NM_145459	zinc finger protein 503 (Zfp503), mRNA.	Mme-M200004050	ILMN_2467692	0	0
22709	Zfp51	-0.534	0.013	0.053	0	0	0	0	0	0	NM_009558	zinc finger protein 51 (Zfp51), mRNA.	Mme-M300010127	ILMN_2425477	0	0
269639	Zfp512	0.198	0.088	-0.055	0	0	0	0	0	0	NM_172993	zinc finger protein 512 (Zfp512), mRNA.	Mme-M200007002	ILMN_2466772	0	0
101023	Zfp513	0.152	0.086	-0.122	0	0	0	0	0	0	NM_175311	zinc finger protein 513 (Zfp513), mRNA.	Mme-M300014145	ILMN_2936604	0	0
329003	Zfp516	-0.066	0.065	-0.005	0	0	0	0	0	0	NM_183033	zinc finger protein 516 (Zfp516), mRNA.	Mme-M400012531	ILMN_1245892	0	0
72672	Zfp518a	0.272	0.051	-0.092	0	0	0	0	0	0	NM_028319	zinc finger protein 518 (Zfp518), mRNA.	Mme-M400014138	ILMN_2490746	0	0
100515	Zfp518b	0.009	-0.245	0.063	0	0	0	0	0	0	NM_001081144	zinc finger protein 518B (Zfp518b), mRNA.	Mme-M300017465	ILMN_1232176	0	0
22710	Zfp52	0.245	-0.074	-0.115	0	0	0	0	0	0	NM_144515	zinc finger protein 52 (Zfp52), mRNA.	Mme-M400003811	ILMN_2838139	0	0
225207	Zfp521	0.217	-0.033	0.060	0	0	0	0	0	0	NM_181326	zinc finger protein 521 (Zfp521), transcript variant 2, mRNA.	Mme-M200008272	ILMN_1256012	0	0
224656	Zfp523	0.180	0.083	-0.046	0	0	0	0	0	0	NM_172617	zinc finger protein 523 (Zfp523), mRNA.	Mme-M400012235	ILMN_1236258	0	0
66056	Zfp524	0.178	-0.091	-0.077	0	0	0	0	0	0	NM_025324	zinc finger protein 524 (Zfp524), mRNA.	Mme-M300021842	ILMN_2438078	0	0
210172	Zfp526	0.003	-0.063	-0.022	0	0	0	0	0	0	NM_175436	zinc finger protein 526 (Zfp526), mRNA.	Mme-M300017434	ILMN_2859647	0	0
24132	Zfp53	0.000	0.005	0.003	0	0	0	0	0	0	NM_013843	zinc finger protein 53 (Zfp53), mRNA.	Mme-M400005911	ILMN_2488717	0	0
328977	Zfp532	-0.145	0.064	-0.132	0	0	0	0	0	0	NM_207255	zinc finger protein 532 (Zfp532), mRNA.	Mme-M300013692	ILMN_2438849	0	0
22712	Zfp54	-0.146	-0.051	0.007	0	0	0	0	0	0	NM_011760	zinc finger protein 54 (Zfp54), mRNA.	Mme-M400011167	ILMN_2469069	0	0
666528	Zfp541	-0.194	0.017	-0.056	0	0	0	0	0	0	NM_001099277	zinc finger protein 541 (Zfp541), mRNA.	Mme-M400006919	ILMN_1258181	0	0
619331	Zfp551	-0.398	0.091	-0.034	0	0	0	0	0	0	NM_001033820	zinc fingr protein 551 (Zfp551), mRNA.	Mme-M400001640	ILMN_3160234	0	0
233887	Zfp553	-0.206	-0.332	0.393	0	0	1	0	0	0	NM_146201	zinc finger protein 553 (Zfp553), mRNA.	Mme-M300016534	ILMN_2854036	0	0
72230	Zfp558	0.202	0.038	-0.025	0	0	0	0	0	0	XM_356228	PREDICTED: zinc finger protein 558, transcript variant 1 (Zfp558), mRNA.	Mme-M200014735	ILMN_1228386	0	0
434377	Zfp560	0.130	0.131	-0.135	0	0	0	0	0	0	NM_001004190	zinc finger protein 560 (Zfp560), mRNA.	Mme-M400013260	ILMN_3078349	0	0
240068	Zfp563	-0.173	-0.059	0.158	0	0	0	0	0	0	NM_001024950	zinc finger protein 563 (Zfp563), mRNA.	Mme-M400004486	ILMN_2642938	0	0
72556	Zfp566	-0.014	-0.039	0.023	0	0	0	0	0	0	NM_152814	zinc finger protein 566 (Zfp566), mRNA.	Mme-M400012176	ILMN_2452628	0	0
22715	Zfp57	0.119	0.088	0.000	0	0	0	0	0	0	NM_001013745	zinc finger protein 57 (Zfp57), transcript variant 2, mRNA.	Mme-M200004111	ILMN_1221161	0	0
232976	Zfp574	0.034	-0.260	-0.022	0	0	0	0	0	0	NM_175477	zinc finger protein 574 (Zfp574), mRNA.	Mme-M300016219	ILMN_1216308	0	0
68490	Zfp579	0.168	-0.165	-0.026	0	0	0	0	0	0	NM_026741	zinc finger protein 579 (Zfp579), mRNA.	Mme-M400003841	ILMN_1222760	0	0
238693	Zfp58	0.137	0.296	0.143	0	0	0	0	0	0	NM_001007575	zinc finger protein 58 (Zfp58), mRNA.	Mme-M400009975	ILMN_2833614	0	0
68992	Zfp580	0.050	0.101	-0.049	0	0	0	0	0	0	XM_900964	PREDICTED: zinc finger protein 580, transcript variant 2 (Zfp580), mRNA.	Mme-M200013616	ILMN_2446373	0	0
213011	Zfp583	0.070	0.071	0.071	0	0	0	0	0	0	NM_001033249	zinc finger protein 583 (Zfp583), mRNA.	Mme-M300007229	ILMN_3055220	0	0
22717	Zfp59	-0.053	0.065	0.004	0	0	0	0	0	0	NM_011762	zinc finger protein 59 (Zfp59), mRNA.	Mme-M400002036	ILMN_2939348	0	0
233410	Zfp592	0.129	-0.037	0.061	0	0	0	0	0	0	NM_178707	zinc finger protein 592 (Zfp592), mRNA.	Mme-M300000701	ILMN_2458587	0	0
68040	Zfp593	-0.278	-0.056	-0.073	0	0	0	0	0	0	NM_024215	zinc finger protein 593 (Zfp593), mRNA.	Mme-M200014524	ILMN_2703621	0	0
218314	Zfp595	-0.058	-0.062	0.127	0	0	0	0	0	0	NM_177622	zin finger protein 595 (Zfp595), mRNA.	Mme-M400006095	ILMN_2622200	0	0
71063	Zfp597	-0.153	-0.101	-0.015	0	0	0	0	0	0	NM_001033159	zinc finger protein 597 (Zfp597), mRNA.	Mme-M200011898	ILMN_3160688	0	0
213753	Zfp598	0.281	0.110	0.041	0	0	0	0	0	0	NM_183149	zinc finger protein 598 (Zfp598), mRNA.	Mme-M300013030	ILMN_1257200	0	0
235048	Zfp599	-0.194	0.053	0.057	0	0	0	0	0	0	NM_181419	cDNA sequence BC050092 (BC050092), mRNA.	Mme-M400007991	ILMN_2694022	0	0
22718	Zfp60	0.172	0.120	0.099	0	0	0	0	0	0	NM_029531	zinc finger protein 60 (Zfp60), transcript variant 2, mRNA.	Mme-M400010949	ILMN_2516006	0	0
67370	Zfp606	0.175	0.085	0.065	0	0	0	0	0	0	NM_026112	zinc finger protein 606 (Zfp606), transcript variant 1, mRNA.	Mme-M200016175	ILMN_3135284	0	0
545938	Zfp607	-0.045	0.173	-0.062	0	0	0	0	0	0	NM_001024726	zinc finger proten 607 (Zfp607), mRNA.	Mme-M400000386	ILMN_2914036	0	0
269023	Zfp608	-0.141	-0.098	0.167	0	0	0	0	0	0	NM_175751	zinc finger protein 608 (Zfp608), mRNA.	Mme-M400004222	ILMN_2939367	0	0
214812	Zfp609	0.073	-0.071	0.058	0	0	0	0	0	0	NM_172536	zinc finger protein 609 (Zfp609), mRNA.	Mme-M300012707	ILMN_2810296	0	0
22719	Zfp61	0.239	0.084	0.070	0	0	0	0	0	0	NM_009561	zinc finger protein 61 (Zfp61), mRNA.	Mme-M300021292	ILMN_2475363	0	0
234725	Zfp612	0.231	0.068	0.022	0	0	0	0	0	0	NM_175480	zinc finger protein 612 (Zfp612), mRNA.	Mme-M400012315	ILMN_2491719	0	0
170938	Zfp617	0.139	-0.066	0.145	0	0	0	0	0	0	NM_133358	zinc finger protein 617 (Zfp617), mRNA.	Mme-M400007659	ILMN_2503418	0	0
72701	Zfp618	-0.029	0.007	-0.060	0	0	0	0	0	0	XM_910582	PREDICTED: zinc fingerprotein 618 (Zfp618), mRNA.	Mme-M400004241	ILMN_2618049	0	0
70227	Zfp619	-0.389	0.047	-0.014	0	0	0	0	0	0	NM_001004139	zinc finger protein 619 (Zfp619), mRNA.	Mme-M400010710	ILMN_2895753	0	0
22720	Zfp62	-0.291	-0.109	0.214	0	0	0	0	0	0	NM_009562	zinc finger protein 62 (Zfp62), transcript variant 1, mRNA.	Mme-M200003451	ILMN_2520096	0	0
52521	Zfp622	0.038	-0.099	0.060	0	0	0	0	0	0	NM_144523	zinc finger protein 622 (Zfp622), mRNA.	Mme-M400004051	ILMN_2879570	0	0
78834	Zfp623	-0.181	0.017	-0.033	0	0	0	0	0	0	NM_030199	zinc finger protein 623 (Zfp623), mRNA.	Mme-M200013646	ILMN_2630710	0	0
71163	Zfp626	0.011	0.032	0.010	0	0	0	0	0	0	XM_622939	PREDICTED: RIKEN cDNA 4933426I21 gene (4933426I21Rik), mRNA.	Mme-M400001301	ILMN_2708859	0	0
232816	Zfp628	-0.041	0.084	-0.069	0	0	0	0	0	0	NM_170759	zinc finger protein 628 (Zfp628), mRNA.	Mme-M300000540	ILMN_2503508	0	0
320683	Zfp629	0.094	-0.003	-0.147	0	0	0	0	0	0	NM_177226	zinc finger protein 629 (Zfp629), mRNA.	Mme-M300016575	ILMN_2509052	0	0
232337	Zfp637	0.358	0.003	-0.022	0	0	0	0	0	0	NM_177684	zinc finger protein 637 (Zfp637), mRNA.	Mme-M300013504	ILMN_2949275	0	0
67778	Zfp639	0.312	-0.117	0.082	0	0	0	0	0	0	NM_144519	zinc finger protein 639 (Zfp639), mRNA.	Mme-M200003572	ILMN_2804973	0	0
22722	Zfp64	0.135	-0.096	-0.100	0	0	0	0	0	0	NM_009564	zinc finger protein 64 (Zfp64), mRNA.	Mme-M300005696	ILMN_2929723	0	0
239652	Zfp641	-0.156	0.070	-0.116	0	0	0	0	0	0	NM_173769	zinc finger protein 641 (Zfp641), mRNA.	Mme-M300003619	ILMN_1256695	0	0
52397	Zfp644	0.159	-0.091	0.100	0	0	0	0	0	0	NM_026856	zinc finger protein 644 (Zfp644), mRNA.	Mme-M200004912	ILMN_1257573	0	0
233905	Zfp646	0.184	0.171	-0.069	0	0	0	0	0	0	NM_172749	zinc finger protein 646 (Zfp646), mRNA.	Mme-M300020468	ILMN_2991339	0	0
239546	Zfp647	-0.219	0.021	0.022	0	0	0	0	0	0	NM_172817	zinc finger protein 647 (Zfp647), mRNA.	Mme-M300003337	ILMN_1226801	0	0
268469	Zfp652	0.043	0.030	0.049	0	0	0	0	0	0	NM_201609	zinc finger protein 652 (Zfp652), mRNA.	Mme-M400002203	ILMN_2542029	0	0
319601	Zfp653	0.155	0.079	-0.094	0	0	0	0	0	0	NM_177318	zinc finger protein 653 (Zfp653), mRNA.	Mme-M300011834	ILMN_2755621	0	0
72020	Zfp654	0.225	-0.157	-0.085	0	0	0	0	0	0	NM_028059	zinc finger protein 654 (Zfp654), mRNA.	Mme-M400013081	ILMN_2613851	0	0
72611	Zfp655	-0.321	-0.228	0.010	0	0	0	0	0	0	NM_028298	zinc finger protein 655 (Zfp655), transcript variant 1, mRNA.	Mme-M300000918	ILMN_1219539	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
210104	Zfp658	-0.315	0.224	-0.122	0	0	0	0	0	0	NM_001008549	cDNA sequence BC043301 (BC043301), mRNA.	Mme-M400005556	ILMN_3114998	0	0
72180	Zfp661	0.016	0.098	-0.075	0	0	0	0	0	0	NM_001111029	zinc finger protein 661 (Zfp661), transcript variant 2, mRNA.	Mme-M300009549	ILMN_2854593	0	0
381405	Zfp663	0.024	-0.091	0.026	0	0	0	0	0	0	NM_001005425	gene model 1008, (NCBI) (Gm1008), mRNA.	Mme-M400005650	ILMN_3021415	0	0
384763	Zfp667	0.143	-0.091	-0.079	0	0	0	0	0	0	NM_001024928	zinc finger protein 667 (Zfp667), mRNA.	Mme-M300007223	ILMN_2437156	0	0
244219	Zfp668	-0.097	0.046	-0.048	0	0	0	0	0	0	NM_146259	zinc finger protein 668 (Zfp668), mRNA.	Mme-M300020458	ILMN_1246846	0	0
319475	Zfp672	0.071	0.000	-0.065	0	0	0	0	0	0	NM_178761	zinc finger protein 672 (Zfp672), mRNA.	Mme-M200007745	ILMN_1258449	0	0
210503	Zfp677	0.069	0.014	0.013	0	0	0	0	0	0	NM_172486	zinc finger protein 677 (Zfp677), mRNA.	Mme-M300003766	ILMN_2656986	0	0
24135	Zfp68	0.099	-0.075	0.123	0	0	0	0	0	0	NM_001044747	zinc finger protein 68 (Zfp68), transcript variant 2, mRNA.	Mme-M200005609	ILMN_2455192	0	0
78266	Zfp687	0.275	0.036	-0.002	0	0	0	0	0	0	NM_030074	zinc finger protein 687 (Zfp687), mRNA.	Mme-M200015665	ILMN_1217403	0	0
69234	Zfp688	0.112	0.031	0.041	0	0	0	0	0	0	NM_026999	zinc finger protein 688 (Zfp688), mRNA.	Mme-M200003858	ILMN_1244649	0	0
71131	Zfp689	-0.426	0.117	0.036	0	0	0	0	0	0	NM_175163	zinc finger protein 689 (Zfp689), mRNA.	Mme-M300015521	ILMN_2713977	0	0
381549	Zfp69	0.043	-0.070	0.154	0	0	0	0	0	0	NM_001005788	zinc finger protein 69 (Zfp69), mRNA.	Mme-M300006199	ILMN_2837396	0	0
195522	Zfp691	-0.900	0.164	-0.189	-1	0	0	-1	0	0	NM_183140	zinc finger protein 691 (Zfp691), mRNA.	Mme-M300016235	ILMN_2813594	0	1
103836	Zfp692	-0.380	-0.168	0.141	0	0	0	0	0	0	NM_001040686	zinc finger protein 692 (Zfp692), transcript variant 2, mRNA.	Mme-M300010818	ILMN_3141195	0	0
242109	Zfp697	-0.062	0.110	-0.146	0	0	0	0	0	0	NM_172863	zinc finger protein 697 (Zfp697), mRNA.	Mme-M400003643	ILMN_2590680	0	0
223669	Zfp7	0.105	-0.061	-0.128	0	0	0	0	0	0	NM_145916	zinc finger protein 7 (Zfp7), mRNA.	Mme-M400005411	ILMN_2463901	0	0
170753	Zfp704	0.178	-0.020	-0.077	0	0	0	0	0	0	NM_133218	zinc finger protein 704 (Zfp704), mRNA.	Mme-M400002346	ILMN_1228629	0	0
68036	Zfp706	-0.018	-0.113	0.025	0	0	0	0	0	0	NM_026521	zinc finger protein 706 (Zfp706), mRNA.	Mme-M200001159	ILMN_1243014	0	0
69020	Zfp707	0.224	0.188	-0.100	0	0	0	0	0	0	NM_001081065	zinc finger protein 707 (Zfp707), mRNA.	Mme-M400001701	ILMN_2709392	0	0
236193	Zfp709	0.070	-0.067	0.079	0	0	0	0	0	0	NM_145624	zinc finger protein 709 (Zfp709), mRNA.	Mme-M400005378	ILMN_1248268	0	0
209225	Zfp710	-0.151	0.058	0.109	0	0	0	0	0	0	NM_175433	zinc finger protein 710 (Zfp710), mRNA.	Mme-M300019671	ILMN_2748384	0	0
245595	Zfp711	-0.050	0.055	-0.031	0	0	0	0	0	0	NM_177747	zinc finger protein 711 (Zfp711), mRNA.	Mme-M400003988	ILMN_2500748	0	0
78251	Zfp712	-0.417	-0.054	-0.040	0	0	0	0	0	0	XM_908651	PREDICTED: zinc finger protein 712, transcript variant 38 (Zfp712), mRNA.	Mme-M200011432	ILMN_2644445	0	0
69930	Zfp715	0.149	0.198	-0.136	0	0	0	0	0	0	NM_027264	zinc finger protein 715 (Zfp715), mRNA.	Mme-M200014252	ILMN_2895084	0	0
210105	Zfp719	-0.324	0.001	0.015	0	0	0	0	0	0	XM_145574	PREDICTED: zinc finger protein 719, transcript variant 1 (Zfp719), mRNA.	Mme-M400001280	ILMN_1252381	0	0
238722	Zfp72	-0.212	-0.037	-0.023	0	0	0	0	0	0	NM_001081680	zinc finger protein 72 (Zfp72), mRNA.	Mme-M400007539	ILMN_2920059	0	0
212281	Zfp729a	0.085	-0.048	-0.096	0	0	0	0	0	0	NM_183146	RIKEN cDNA A530054K11 gene (A530054K11Rik), mRNA.	Mme-M400012542	ILMN_2657930	0	0
408068	Zfp738	0.078	-0.156	-0.048	0	0	0	0	0	0	NM_001001187	RIKEN cDNA 3830402I07 gene (3830402I07Rik), mRNA.	Mme-M400003399	ILMN_1253241	0	0
72723	Zfp74	0.017	-0.063	0.157	0	0	0	0	0	0	NM_178384	zinc finger protein 74 (Zfp74), mRNA.	Mme-M300001141	ILMN_2821631	0	0
69228	Zfp746	0.082	0.057	0.059	0	0	0	0	0	0	XM_904306	PREDICTED: zinc finger protein 746 (Zfp746), mRNA.	Mme-M400013111	ILMN_1216098	0	0
269997	Zfp747	-0.012	-0.094	-0.039	0	0	0	0	0	0	NM_175560	RIKEN cDNA 6430604K15 gene (6430604K15Rik), mRNA.	Mme-M400004788	ILMN_1219375	0	0
212276	Zfp748	0.325	-0.032	0.070	0	0	0	0	0	0	NM_183145	zinc finger protein 748 (Zfp748), transcript variant 2, mRNA.	Mme-M400004743	ILMN_1216917	0	0
319530	Zfp750	0.033	-0.196	-0.060	0	0	0	0	0	0	NM_178763	zinc finger protein 750 (Zfp750), mRNA.	Mme-M300012053	ILMN_2654571	0	0
224598	Zfp758	0.099	0.102	-0.091	0	0	0	0	0	0	NM_145484	zinc finger protein 758 (Zfp758), mRNA.	Mme-M400009025	ILMN_2612506	0	0
268670	Zfp759	0.023	-0.101	0.115	0	0	0	0	0	0	NM_172392	zinc finger protein 759 (Zfp759), mRNA.	Mme-M400005903	ILMN_1256222	0	0
73451	Zfp763	-0.004	0.084	-0.149	0	0	0	0	0	0	NM_028543	RIKEN cDNA 1700065O13 gene (1700065O13Rik), mRNA.	Mme-M400007322	ILMN_2845839	0	0
233893	Zfp764	-0.361	-0.132	-0.047	0	0	0	0	0	0	NM_146203	zinc finger protein 764 (Zfp764), mRNA.	Mme-M400003073	ILMN_1225405	0	0
233890	Zfp768	0.266	0.006	0.043	0	0	0	0	0	0	NM_146202	zinc finger protein 768 (Zfp768), mRNA.	Mme-M400003300	ILMN_2721919	0	0
228491	Zfp770	0.044	-0.001	0.146	0	0	0	0	0	0	NM_175466	zinc finger protein 770 (Zfp770), mRNA.	Mme-M300012603	ILMN_1217060	0	0
244216	Zfp771	-0.216	-0.259	-0.112	0	0	0	0	0	0	NM_177362	zinc finger protein 771 (Zfp771), mRNA.	Mme-M300016535	ILMN_2848353	0	0
232855	Zfp772	-0.277	0.069	0.034	0	0	0	0	0	0	NM_145577	cDNA sequence BC023179 (BC023179), mRNA.	Mme-M400011905	ILMN_1228173	0	0
76373	Zfp773	-0.009	0.055	0.101	0	0	0	0	0	0	XM_001475009	PREDICTED: RIKEN cDNA 2810409K11 gene (2810409K11Rik), mRNA.	Mme-M200011170	ILMN_2643060	0	0
243372	Zfp775	-0.075	-0.114	0.140	0	0	0	0	0	0	NM_173429	zinc finger protein 775 (Zfp775), mRNA.	Mme-M300000880	ILMN_2678598	0	0
72306	Zfp777	0.303	-0.215	-0.077	0	0	0	0	0	0	NM_001081382	zinc finger protein 777 (Zfp777), mRNA.	Mme-M400002984	ILMN_1260244	0	0
330463	Zfp78	-0.073	-0.020	0.092	0	0	0	0	0	0	NM_001112805	zinc finger protein 78 (Zfp78), transcript variant 3, mRNA.	Mme-M300007222	ILMN_2418496	0	0
331188	Zfp781	-0.285	0.068	0.063	0	0	0	0	0	0	NM_199062	cDNA sequence BC062127 (BC062127), mRNA.	Mme-M400012597	ILMN_2902928	0	0
654801	Zfp784	-0.108	-0.025	0.054	0	0	0	0	0	0	NM_001039532	zinc finger protein 784 (Zfp784), mRNA.	Mme-M300014365	ILMN_2490499	0	0
330301	Zfp786	0.331	-0.039	-0.024	0	0	0	0	0	0	NM_177882	zinc finger protein 786 (Zfp786), mRNA.	Mme-M300022125	ILMN_1247019	0	0
67109	Zfp787	-0.016	-0.174	-0.132	0	0	0	0	0	0	NM_001013012	zinc finger protein 787 (Zfp787), mRNA.	Mme-M400003204	ILMN_1216854	0	0
67607	Zfp788	0.282	-0.020	0.094	0	0	0	0	0	0	NM_023363	RIKEN cDNA 2810426N06 gene (2810426N06Rik), mRNA.	Mme-M300007249	ILMN_2626713	0	0
233056	Zfp790	-0.076	0.025	-0.155	0	0	0	0	0	0	NM_146185	zinc finger protein 790 (Zfp790), mRNA.	Mme-M200004755	ILMN_2735766	0	0
244556	Zfp791	0.120	-0.099	-0.077	0	0	0	0	0	0	NM_001037745	zinc finger protein 791 (Zfp791), mRNA.	Mme-M300021792	ILMN_2990485	0	0
240064	Zfp799	0.042	-0.048	-0.016	0	0	0	0	0	0	NM_177359	RIKEN cDNA 6030490I01 gene (6030490I01Rik), mRNA.	Mme-M300004048	ILMN_2602719	0	0
627049	Zfp800	-0.117	0.031	0.033	0	0	0	0	0	0	NM_001081678	zinc finger protein 800 (Zfp800), mRNA.	Mme-M400009400	ILMN_2760387	0	0
241514	Zfp804a	0.019	-0.188	-0.164	0	0	0	0	0	0	NM_175513	zinc finger protein 804A (Zfp804a), mRNA.	Mme-M300009434	ILMN_1241450	0	0
630579	Zfp808	-0.098	-0.090	0.147	0	0	0	0	0	0	NM_001039239	predicted gene, EG630579 (EG630579), mRNA.	Mme-M400012293	ILMN_3059174	0	0
235047	Zfp809	0.093	-0.087	0.437	0	0	1	0	0	1	NM_172763	zinc finger protein 809 (Zfp809), mRNA.	Mme-M300008138	ILMN_2651359	1	0
235050	Zfp810	-0.233	0.063	-0.097	0	0	0	0	0	0	NM_145612	zinc finger protein 810 (Zfp810), mRNA.	Mme-M300008143	ILMN_1231164	0	0
240063	Zfp811	0.002	-0.037	-0.022	0	0	0	0	0	0	NM_183177	zinc finger protein 811 (Zfp811), mRNA.	Mme-M400005083	ILMN_1260451	0	0
74400	Zfp819	-0.206	0.062	-0.012	0	0	0	0	0	0	NM_028913	zinc finger protein 819 (Zfp819), mRNA.	Mme-M300007257	ILMN_2619689	0	0
330502	Zfp82	-0.431	0.123	0.086	0	0	0	0	0	0	NM_177889	zinc finger protein 82 (Zfp82), mRNA.	Mme-M400004850	ILMN_3163235	0	0
75424	Zfp820	0.102	0.045	0.115	0	0	0	0	0	0	NM_029281	zinc finger protein 820 (Zfp820), mRNA.	Mme-M400005574	ILMN_1242159	0	0
75871	Zfp821	0.281	-0.165	-0.097	0	0	0	0	0	0	NM_029468	zinc finger protein 821 (Zfp821), mRNA.	Mme-M200011948	ILMN_2693387	0	0
235956	Zfp825	-0.035	0.153	0.194	0	0	0	0	0	0	NM_146231	zinc finger protein 825 (Zfp825), mRNA.	Mme-M400011934	ILMN_2798213	0	0
622675	Zfp827	0.237	-0.064	0.018	0	0	0	0	0	0	NM_178267	zinc finger protein 827 (Zfp827), mRNA.	Mme-M300010709	ILMN_2731871	0	0
66983	Zfp830	0.138	-0.051	0.070	0	0	0	0	0	0	NM_025884	zinc finger protein 830 (Zfp830), mRNA.	Mme-M200006567	ILMN_1238403	0	0
100043757	Zfp831	0.083	-0.032	0.038	0	0	0	0	0	0	NM_001099328	likely orthologue of H. sapiens chromosome 20 open reading frame 174 (C20orf174) (Rp23-45p4.1), mRNA.	Mme-M400003707	ILMN_1235264	0	0
72805	Zfp839	-0.137	0.017	-0.012	0	0	0	0	0	0	XM_913667	PREDICTED: RIKEN cDNA 2810455K09 gene (2810455K09Rik), mRNA.	Mme-M300002657	ILMN_2616542	0	0
74352	Zfp84	-0.577	-0.258	0.048	0	0	0	0	0	0	NM_023750	zinc finger protein 84 (Zfp84), mRNA.	Mme-M200015456	ILMN_2461926	0	0
244721	Zfp846	-0.028	0.050	0.043	0	0	0	0	0	0	NM_172919	RIKEN cDNA 2210010B09 gene (2210010B09Rik), mRNA.	Mme-M300021111	ILMN_1223827	0	0
22746	Zfp85	-0.058	0.001	0.101	0	0	0	0	0	0	NM_001001130	zinc finger protein 85, related sequence 1 (Zfp85-rs1), mRNA.	Mme-M400010674	ILMN_3161206	0	0
319748	Zfp865	0.085	0.102	-0.108	0	0	0	0	0	0	NM_001033383	RIKEN cDNA 6430526N21 gene (6430526N21Rik), mRNA.	Mme-M400004297	ILMN_1241125	0	0
330788	Zfp866	-0.184	0.098	-0.024	0	0	0	0	0	0	NM_177899	RIKEN cDNA D330038O06 gene (D330038O06Rik), mRNA.	Mme-M400009568	ILMN_2769672	0	0
237775	Zfp867	0.116	0.120	0.017	0	0	0	0	0	0	NM_178417	cDNA sequence BC050078 (BC050078), mRNA.	Mme-M300002215	ILMN_1232229	0	0
234362	Zfp868	0.372	0.123	0.092	0	0	0	0	0	0	NM_001045553	expressed sequence AI449175 (AI449175), transcript variant 2, mRNA.	Mme-M200001585	ILMN_1228048	0	0
66869	Zfp869	0.179	0.178	0.046	0	0	0	0	0	0	NM_001039965	RIKEN cDNA 1200003I07 gene (1200003I07Rik), transcript variant 2, mRNA.	Mme-M400004895	ILMN_1254390	0	0
170763	Zfp87	0.192	0.243	-0.108	0	0	0	0	0	0	NM_133228	zinc finger protein 87 (Zfp87), mRNA.	Mme-M200007112	ILMN_2992836	0	0
240066	Zfp870	-0.024	-0.122	0.063	0	0	0	0	0	0	NM_207245	cDNA sequence BC066107 (BC066107), mRNA.	Mme-M400005835	ILMN_2903889	0	0
208292	Zfp871	0.039	-0.062	-0.021	0	0	0	0	0	0	NM_172458	RIKEN cDNA 9030612M13 gene (9030612M13Rik), mRNA.	Mme-M300004051	ILMN_2729447	0	0
619310	Zfp872	0.099	0.017	-0.045	0	0	0	0	0	0	NM_001033813	RIKEN cDNA 9530015I07 gene (9530015I07Rik), mRNA.	Mme-M400010590	ILMN_2940939	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
238692	Zfp874a	0.041	-0.010	-0.097	0	0	0	0	0	0	NM_177712	RIKEN cDNA C330011K17 gene (C330011K17Rik), mRNA.	Mme-M400001512	ILMN_2699774	0	0
408067	Zfp874b	-0.032	0.034	-0.031	0	0	0	0	0	0	NM_001076791	RIKEN cDNA 9630025I21 gene (9630025I21Rik), mRNA.	Mme-M400006981	ILMN_1247465	0	0
214779	Zfp879	0.183	-0.013	-0.082	0	0	0	0	0	0	NM_173387	RIKEN cDNA 9630041N07 gene (9630041N07Rik), mRNA.	Mme-M300015323	ILMN_2749383	0	0
22750	Zfp9	0.327	0.009	-0.094	0	0	0	0	0	0	NM_011763	zinc finger protein 9 (Zfp9), mRNA.	Mme-M300021762	ILMN_2463555	0	0
22751	Zfp90	0.011	0.196	-0.013	0	0	0	0	0	0	NM_011764	zinc finger protein 90 (Zfp90), mRNA.	Mme-M300007973	ILMN_2487482	0	0
109910	Zfp91	-0.019	-0.280	0.382	0	0	1	0	0	0	NM_053009	zinc finger protein 91 (Zfp91), mRNA.	Mme-M400014216	ILMN_2757889	0	0
22754	Zfp92	-0.292	0.063	-0.064	0	0	0	0	0	0	NM_009566	zinc finger protein 92 (Zfp92), mRNA.	Mme-M200002124	ILMN_2508485	0	0
22755	Zfp93	-0.072	0.100	-0.115	0	0	0	0	0	0	NM_009567	zinc finger protein 93 (Zfp93), mRNA.	Mme-M300007261	ILMN_2498609	0	0
234358	Zfp930	0.136	0.039	0.141	0	0	0	0	0	0	NM_001013379	cDNA sequence D10627 (D10627), mRNA.	Mme-M400007003	ILMN_2912111	0	0
242747	Zfp933	-0.063	-0.126	0.140	0	0	0	0	0	0	NM_198619	RIKEN cDNA 2810408P10 gene (2810408P10Rik), mRNA.	Mme-M400007321	ILMN_2775600	0	0
237411	Zfp938	-0.140	-0.056	-0.004	0	0	0	0	0	0	XM_916781	PREDICTED: RIKEN cDNA B230315N10 gene, transcript variant 1 (B230315N10Rik), mRNA.	Mme-M300002088	ILMN_2417602	0	0
22756	Zfp94	-0.045	0.124	0.009	0	0	0	0	0	0	NM_009568	zinc finger protein 94 (Zfp94), mRNA.	Mme-M200006950	ILMN_1231471	0	0
233057	Zfp940	-0.050	0.052	-0.067	0	0	0	0	0	0	NM_173738	cDNA sequence BC027344 (BC027344), mRNA.	Mme-M300021517	ILMN_1214859	0	0
407812	Zfp941	-0.244	-0.174	0.004	0	0	0	0	0	0	NM_001001180	cDNA sequence BC066028 (BC066028), mRNA.	Mme-M400007205	ILMN_3162180	0	0
74670	Zfp943	0.058	-0.066	0.086	0	0	0	0	0	0	NM_001025373	RIKEN cDNA 4930432O21 gene (4930432O21Rik), mRNA.	Mme-M400004440	ILMN_1214239	0	0
319615	Zfp944	-0.450	0.028	-0.062	0	0	0	0	0	0	NM_176962	RIKEN cDNA 6330416L07 gene (6330416L07Rik), mRNA.	Mme-M400003540	ILMN_2650339	0	0
74149	Zfp946	0.060	0.132	0.024	0	0	0	0	0	0	NM_198003	RIKEN cDNA 1300003B13 gene (1300003B13Rik), mRNA.	Mme-M400004312	ILMN_2697164	0	0
210853	Zfp947	0.072	0.055	-0.009	0	0	0	0	0	0	NM_177596	predicted gene, EG210853 (EG210853), mRNA.	Mme-M400008250	ILMN_1217199	0	0
381066	Zfp948	0.134	-0.013	0.082	0	0	0	0	0	0	NM_001002008	cDNA sequence BC049807 (BC049807), mRNA.	Mme-M400010690	ILMN_2530460	0	0
626391	Zfp951	-0.172	0.035	-0.039	0	0	0	0	0	0	NM_001039231	RIKEN cDNA C230055K05 gene (C230055K05Rik), mRNA.	Mme-M400007637	ILMN_3162781	0	0
240067	Zfp952	0.292	0.002	0.040	0	0	0	0	0	0	NM_001045559	RIKEN cDNA C920016K16 gene (C920016K16Rik), mRNA.	Mme-M400004453	ILMN_2651505	0	0
232853	Zfp954	0.061	0.220	0.063	0	0	0	0	0	0	NM_172738	RIKEN cDNA 5730403M16 gene (5730403M16Rik), mRNA.	Mme-M300018951	ILMN_1253434	0	0
101197	Zfp956	-0.002	0.011	-0.054	0	0	0	0	0	0	NM_178898	expressed sequence AI894139 (AI894139), mRNA.	Mme-M300004794	ILMN_2957944	0	0
105590	Zfp957	-0.095	-0.022	-0.117	0	0	0	0	0	0	NM_001033215	expressed sequence AU017455 (AU017455), mRNA.	Mme-M400001905	ILMN_2910438	0	0
233987	Zfp958	0.004	0.070	0.003	0	0	0	0	0	0	NM_145591	cDNA sequence BC003267 (BC003267), mRNA.	Mme-M400006472	ILMN_1222712	0	0
224893	Zfp959	0.040	0.036	-0.055	0	0	0	0	0	0	NM_145490	cDNA sequence BC011426 (BC011426), mRNA.	Mme-M200011740	ILMN_1214025	0	0
234413	Zfp961	0.129	-0.014	0.052	0	0	0	0	0	0	XM_904244	PREDICTED: cDNA sequence BC049349, transcript variant 1 (BC049349), mRNA.	Mme-M400004124	ILMN_1213324	0	0
620419	Zfp963	-0.022	-0.048	-0.019	0	0	0	0	0	0	XM_910524	PREDICTED: RIKEN cDNA 9830167H18 gene, transcript variant 1 (9830167H18Rik), mRNA.	Mme-M300014177	ILMN_1226315	0	0
22759	Zfp97	0.206	-0.153	0.147	0	0	0	0	0	0	NM_011765	zinc finger protein 97 (Zfp97), mRNA.	Mme-M400005316	ILMN_3145782	0	0
81909	Zfpl1	0.286	0.089	-0.073	0	0	0	0	0	0	NM_024231	zinc finger like protein 1 (Zfpl1), mRNA.	Mme-M200006485	ILMN_1217262	0	0
22761	Zfpm1	-0.335	-0.170	-0.003	0	0	0	0	0	0	NM_009569	zinc finger protein, multitype 1 (Zfpm1), mRNA.	Mme-M300020317	ILMN_2445324	0	0
22762	Zfpm2	0.083	0.220	0.198	0	0	0	0	0	0	NM_011766	zinc finger protein, multitype 2 (Zfpm2), mRNA.	Mme-M200008198	ILMN_2863601	0	0
22763	Zfr	0.208	0.020	0.098	0	0	0	0	0	0	NM_011767	zinc finger RNA binding protein (Zfr), mRNA.	Mme-M200004146	ILMN_2867927	0	0
103406	Zfr2	-0.122	0.106	0.107	0	0	0	0	0	0	NM_001034895	RIKEN cDNA 9130206N08 gene (9130206N08Rik), mRNA.	Mme-M300009623	ILMN_2731183	0	0
22764	Zfx	-0.077	-0.179	-0.202	0	0	0	0	0	0	NM_011768	zinc finger protein X-linked (Zfx), transcript variant 2, mRNA.	Mme-M400000004	ILMN_2496682	0	0
22767	Zfy1	-0.380	-0.067	-0.064	0	0	0	0	0	0	NM_009570	zinc finger protein 1, Y linked (Zfy1), mRNA.	Mme-M400004384	ILMN_1227623	0	0
217695	Zfyve1	-0.029	0.030	0.014	0	0	0	0	0	0	NM_183154	zinc finger, FYVE domain containing 1 (Zfyve1), mRNA.	Mme-M300013797	ILMN_2859712	0	0
218441	Zfyve16	0.059	-0.312	0.078	0	0	0	0	0	0	NM_173392	zinc finger, FYVE domain containing 16 (Zfyve16), mRNA.	Mme-M300002914	ILMN_1244584	0	0
72008	Zfyve19	0.046	-0.041	0.030	0	0	0	0	0	0	NM_028054	zinc finger, FYVE domain containing 19 (Zfyve19), mRNA.	Mme-M400011625	ILMN_2826947	0	0
211978	Zfyve26	0.148	0.026	-0.022	0	0	0	0	0	0	NM_001008550	zinc finger, FYVE domain containing 26 (Zfyve26), mRNA.	Mme-M200006048	ILMN_2493052	0	0
319740	Zfyve27	0.012	-0.205	0.141	0	0	0	0	0	0	NM_177319	zinc finger, FYVE domain containing 27 (Zfyve27), mRNA.	Mme-M300001734	ILMN_2512986	0	0
231125	Zfyve28	-0.146	-0.052	-0.040	0	0	0	0	0	0	NM_001015039	zinc finger, FYVE domain containing 28 (Zfyve28), mRNA.	Mme-M300010807	ILMN_1251313	0	0
69036	Zg16	-0.338	-0.040	-0.027	0	0	0	0	0	0	NM_026918	RIKEN cDNA 1810010M01 gene (1810010M01Rik), mRNA.	Mme-M300020091	ILMN_2728429	0	0
229007	Zgpat	0.091	-0.072	-0.051	0	0	0	0	0	0	NM_001048148	zinc finger, CCCH-type with G patch domain (Zgpat), transcript variant 2, mRNA.	Mme-M200004944	ILMN_3078143	0	0
71643	Zgrf1	-0.275	0.083	0.092	0	0	0	0	0	0	XM_485308	PREDICTED: RIKEN cDNA 4930422G04 gene, transcript variant 2 (4930422G04Rik), mRNA.	Mme-M300021922	ILMN_2729860	0	0
22770	Zhx1	0.115	-0.268	0.082	0	0	0	0	0	0	NM_009572	zinc fingers and homeoboxes 1 (Zhx1), transcript variant 1, mRNA.	Mme-M200007919	ILMN_2479530	0	0
387609	Zhx2	0.109	0.014	-0.144	0	0	0	0	0	0	NM_199449	zinc fingers and homeoboxes 2 (Zhx2), mRNA.	Mme-M400012600	ILMN_2516833	0	0
320799	Zhx3	0.156	-0.042	-0.148	0	0	0	0	0	0	NM_177263	zinc fingers and homeoboxes 3 (Zhx3), mRNA.	Mme-M300010129	ILMN_2502623	0	0
22771	Zic1	-0.107	-0.176	0.205	0	0	0	0	0	0	NM_009573	zinc finger protein of the cerebellum 1 (Zic1), mRNA.	Mme-M200001030	ILMN_2491186	0	0
22772	Zic2	0.024	-0.611	-0.182	0	-1	0	0	-1	0	NM_009574	zinc finger protein of the cerebellum 2 (Zic2), mRNA.	Mme-M400007406	ILMN_2470518	0	1
22774	Zic4	-0.053	0.094	0.138	0	0	0	0	0	0	NM_009576	zinc finger protein of the cerebellum 4 (Zic4), mRNA.	Mme-M400001963	ILMN_2810424	0	0
65100	Zic5	0.001	-0.057	-0.136	0	0	0	0	0	0	NM_022987	zinc finger protein of the cerebellum 5 (Zic5), mRNA.	Mme-M300013307	ILMN_2798820	0	0
22775	Zik1	0.041	-0.055	0.070	0	0	0	0	0	0	NM_009577	zinc finger protein interacting with K protein 1 (Zik1), mRNA.	Mme-M200014663	ILMN_2424828	0	0
22776	Zim1	0.057	-0.047	0.023	0	0	0	0	0	0	NM_011769	zinc finger, imprinted 1 (Zim1), mRNA.	Mme-M300000294	ILMN_2925884	0	0
76637	Zim2	-0.267	-0.002	-0.031	0	0	0	0	0	0	XM_489216	PREDICTED: zinc finger, imprinted 2 (Zim2), mRNA.	Mme-M400014612	ILMN_2446073	0	0
74570	Zkscan1	0.151	-0.140	-0.302	0	0	0	0	0	0	NM_029869	zinc finger with KRAB and SCAN domains 1 (Zkscan1), transcript variant 2, mRNA.	Mme-M400011824	ILMN_3154351	0	0
67235	Zkscan14	0.206	-0.067	-0.107	0	0	0	0	0	0	NM_023322	zinc finger with KRAB and SCAN domains 14 (Zkscan14), mRNA.	Mme-M200005347	ILMN_2497349	0	0
100041581	Zkscan16	-0.106	0.089	-0.067	0	0	0	0	0	0	NM_001099323	zinc finger with KRAB and SCAN domains 16 (Zkscan16), mRNA.	Mme-M300011675	ILMN_1234512	0	0
210162	Zkscan2	-0.326	-0.142	-0.187	0	0	0	0	0	0	NM_001081329	zinc finger with KRAB and SCAN domains 2 (Zkscan2), mRNA.	Mme-M300007406	ILMN_2873274	0	0
72739	Zkscan3	-0.150	-0.042	0.123	0	0	0	0	0	0	NM_023685	zinc finger with KRAB and SCAN domains 3 (Zkscan3), mRNA.	Mme-M300002701	ILMN_2491526	0	0
22757	Zkscan5	0.212	-0.216	-0.073	0	0	0	0	0	0	NM_016683	zinc finger with KRAB and SCAN domains 5 (Zkscan5), mRNA.	Mme-M300000919	ILMN_1212646	0	0
52712	Zkscan6	-0.230	0.162	0.052	0	0	0	0	0	0	NM_026107	zinc finger with KRAB and SCAN domains 6 (Zkscan6), mRNA.	Mme-M200003097	ILMN_2424555	0	0
382118	Zkscan7	-0.105	-0.004	0.031	0	0	0	0	0	0	XM_988711	PREDICTED: zinc finger protein 167 (Zfp167), mRNA.	Mme-M400008301	ILMN_2541641	0	0
93681	Zkscan8	0.152	-0.030	-0.010	0	0	0	0	0	0	NM_139141	zinc finger protein 192 (Zfp192), mRNA.	Mme-M400019305	ILMN_2463828	0	0
215693	Zmat1	-0.221	-0.098	0.081	0	0	0	0	0	0	NM_175446	zinc finger, matrin type 1 (Zmat1), mRNA.	Mme-M400004207	ILMN_2743593	0	0
66492	Zmat2	0.355	0.153	0.038	0	0	0	0	0	0	NM_025594	zinc finger, matrin type 2 (Zmat2), mRNA.	Mme-M200005474	ILMN_1229609	0	0
22401	Zmat3	-0.122	0.081	0.094	0	0	0	0	0	0	NM_009517	zinc finger matrin type 3 (Zmat3), mRNA.	Mme-M400012927	ILMN_2418426	0	0
320158	Zmat4	-0.002	0.034	0.019	0	0	0	0	0	0	NM_177086	zinc finger, matrin type 4 (Zmat4), mRNA.	Mme-M300010956	ILMN_2736314	0	0
67178	Zmat5	0.188	0.013	-0.110	0	0	0	0	0	0	NM_026015	zinc finger, matrin type 5 (Zmat5), mRNA.	Mme-M200009760	ILMN_2690772	0	0
328365	Zmiz1	0.191	0.130	0.718	0	0	1	0	0	1	NM_183208	zinc finger, MIZ-type containing 1 (Zmiz1), mRNA.	Mme-M300000922	ILMN_1224736	1	0
52915	Zmiz2	-0.095	0.244	0.146	0	0	0	0	0	0	NM_001005867	zinc finger, MIZ-type containing 2 (Zmiz2), transcript variant 2, mRNA.	Mme-M200000414	ILMN_3163539	0	0
230709	Zmpste24	-0.032	-0.152	0.093	0	0	0	0	0	0	NM_172700	zinc metallopeptidase, STE24 homolog (S. cerevisiae) (Zmpste24), mRNA.	Mme-M300014277	ILMN_2435079	0	0
68310	Zmym1	0.123	-0.068	0.152	0	0	0	0	0	0	NM_026670	zinc finger, MYM domain containing 1 (Zmym1), mRNA.	Mme-M200015559	ILMN_2451699	0	0
76007	Zmym2	0.112	-0.031	-0.123	0	0	0	0	0	0	NM_029498	zinc finger, MYM-type 2 (Zmym2), mRNA.	Mme-M300003026	ILMN_2781493	0	0
56364	Zmym3	0.142	0.203	-0.094	0	0	0	0	0	0	NM_019831	zinc finger, MYM-type 3 (Zmym3), mRNA.	Mme-M200004624	ILMN_2483414	0	0
67785	Zmym4	-0.076	-0.125	-0.050	0	0	0	0	0	0	NM_001114399	zinc finger, MYM-type 4 (Zmym4), mRNA.	Mme-M400014538	ILMN_2439840	0	0
219105	Zmym5	0.078	-0.053	0.080	0	0	0	0	0	0	NM_144842	zinc finger, MYM-type 5 (Zmym5), mRNA.	Mme-M200008402	ILMN_1231971	0	0
100177	Zmym6	0.108	-0.199	0.050	0	0	0	0	0	0	NM_177462	zinc finger, MYM-type 6 (Zmym6), mRNA.	Mme-M300013676	ILMN_1213680	0	0
114602	Zmynd10	-0.146	-0.093	0.004	0	0	0	0	0	0	NM_053253	zinc finger, MYND domain containing 10 (Zmynd10), mRNA.	Mme-M200005947	ILMN_1252284	0	0
66505	Zmynd11	0.117	-0.089	0.291	0	0	0	0	0	0	NM_144516	zinc finger, MYND domain containing 11 (Zmynd11), mRNA.	Mme-M300002593	ILMN_2497068	0	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_sig ned_423	z3glngly_sig ned_616	z3glngly_sig ned_921	z4glngly_sig ned_423	z4glngly_sig ned_616	z4glngly_sig ned_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
332934	Zmynd12	0.014	0.019	-0.083	0	0	0	0	0	0	NM_001014900	zinc finger, MYND domain containing 12 (Zmynd12), mRNA.	Mme-M400003501	ILMN_3108837	0	0
574428	Zmynd15	-0.026	0.317	0.153	0	0	0	0	0	0	NM_001029929	zinc finger, MYND-type containing 15 (Zmynd15), mRNA.	Mme-M300012886	ILMN_2795491	0	0
67187	Zmynd19	0.199	-0.042	0.042	0	0	0	0	0	0	NM_026021	zinc finger, MYND domain containing 19 (Zmynd19), mRNA.	Mme-M300005409	ILMN_1257785	0	0
228880	Zmynd8	0.165	-0.226	-0.378	0	0	-1	0	0	0	NM_027230	protein kinase C binding protein 1 (Prkcbp1), mRNA.	Mme-M200011615	ILMN_2627205	0	0
269401	Znf512b	0.090	-0.159	-0.043	0	0	0	0	0	0	XM_977462	PREDICTED: zinc finger protein 512B (Znf512b), mRNA.	Mme-M300000123	ILMN_1219778	0	0
98999	Znfx1	0.122	0.149	-0.044	0	0	0	0	0	0	NM_001033196	zinc finger, NFX1-type containing 1 (Znfx1), mRNA.	Mme-M300012210	ILMN_1219468	0	0
70103	Znhit1	0.051	0.187	-0.094	0	0	0	0	0	0	NM_027318	zinc finger, HIT domain containing 1 (Znhit1), mRNA.	Mme-M300017833	ILMN_1224876	0	0
29805	Znhit2	0.028	-0.247	-0.266	0	0	0	0	0	0	NM_013859	zinc finger, HIT domain containing 2 (Znhit2), mRNA.	Mme-M200000872	ILMN_2490803	0	0
448850	Znhit3	-0.070	0.231	0.075	0	0	0	0	0	0	NM_001005223	zinc finger, HIT type 3 (Znhit3), mRNA.	Mme-M300002233	ILMN_2457827	0	0
229937	Znhit6	0.189	0.179	-0.101	0	0	0	0	0	0	NM_001081094	RIKEN cDNA 2410019A14 gene (2410019A14Rik), mRNA.	Mme-M400003367	ILMN_3021192	0	0
66136	Znrd1	0.287	0.101	-0.103	0	0	0	0	0	0	NM_023162	zinc ribbon domain containing, 1 (Znrd1), mRNA.	Mme-M200005630	ILMN_1247048	0	0
76416	Znrd1as	0.212	-0.037	0.051	0	0	0	0	0	0	NM_029602	RIKEN cDNA 1700022C21 gene (1700022C21Rik), mRNA.	Mme-M200005323	ILMN_2645917	0	0
170737	Znrf1	0.165	0.233	0.309	0	0	1	0	0	0	NM_133206	zinc and ring finger 1 (Znrf1), mRNA.	Mme-M300008828	ILMN_1232073	0	0
387524	Znrf2	0.097	-0.246	0.190	0	0	0	0	0	0	NM_199143	zinc and ring finger 2 (Znrf2), mRNA.	Mme-M400006347	ILMN_1236892	0	0
407821	Znrf3	-0.141	-0.107	-0.079	0	0	0	0	0	0	NM_001080924	zinc and ring finger 3 (Znrf3), mRNA.	Mme-M300013443	ILMN_2837006	0	0
20834	Znrf4	-0.035	-0.111	-0.004	0	0	0	0	0	0	NM_011483	zinc and ring finger 4 (Znrf4), mRNA.	Mme-M200013904	ILMN_1225919	0	0
22786	Zp1	0.002	-0.036	0.040	0	0	0	0	0	0	NM_009580	zona pellucida glycoprotein 1 (Zp1), mRNA.	Mme-M200004992	ILMN_2422676	0	0
22787	Zp2	-0.238	-0.011	0.024	0	0	0	0	0	0	NM_011775	zona pellucida glycoprotein 2 (Zp2), mRNA.	Mme-M200002376	ILMN_1216358	0	0
22788	Zp3	-0.013	-0.016	-0.070	0	0	0	0	0	0	NM_011776	zona pellucida glycoprotein 3 (Zp3), mRNA.	Mme-M200000547	ILMN_2478670	0	0
22789	Zp3r	-0.208	0.015	-0.029	0	0	0	0	0	0	NM_009581	zona pellucida 3 receptor (Zp3r), mRNA.	Mme-M200001859	ILMN_1249370	0	0
53604	Zpbp	0.074	-0.036	-0.073	0	0	0	0	0	0	NM_015785	zona pellucida binding protein (Zpbp), mRNA.	Mme-M200002800	ILMN_2504294	0	0
69376	Zpbp2	-0.116	-0.084	-0.086	0	0	0	0	0	0	NM_199419	zona pellucida binding protein 2 (Zpbp2), transcript variant 2, mRNA.	Mme-M300001558	ILMN_2757923	0	0
239852	Zpld1	-0.019	-0.050	0.005	0	0	0	0	0	0	NM_178720	zona pellucida like domain containing 1 (Zpld1), mRNA.	Mme-M300009881	ILMN_2735680	0	0
22687	Zpr1	0.079	0.117	-0.156	0	0	0	0	0	0	NM_011752	zinc finger protein 259 (Zfp259), mRNA.	Mme-M300008060	ILMN_1241970	0	0
360216	Zranb1	0.168	-0.017	0.174	0	0	0	0	0	0	NM_207302	zinc finger, RAN-binding domain containing 1 (Zranb1), mRNA.	Mme-M300007513	ILMN_1249755	0	0
53861	Zranb2	0.276	0.117	-0.034	0	0	0	0	0	0	NM_017381	zinc finger, RAN-binding domain containing 2 (Zranb2), mRNA.	Mme-M400001067	ILMN_2803716	0	0
226409	Zranb3	-0.093	-0.090	-0.120	0	0	0	0	0	0	NM_027678	zinc finger, RAN-binding domain containing 3 (Zranb3), mRNA.	Mme-M400001872	ILMN_2493067	0	0
22183	Zrsr1	0.122	-0.007	0.013	0	0	0	0	0	0	NM_011663	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 1 (Zrsr1), mRNA.	Mme-M200003296	ILMN_2448615	0	0
22184	Zrsr2	-0.141	-0.052	0.071	0	0	0	0	0	0	NM_009453	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2 (Zrsr2), transcript variant 1, mRNA.	Mme-M300007688	ILMN_1258196	0	0
332221	Zscan10	-0.347	0.027	-0.121	0	0	0	0	0	0	NM_001033425	zinc finger and SCAN domain containing 10 (Zscan10), mRNA.	Mme-M400000700	ILMN_2858050	0	0
22758	Zscan12	0.078	0.027	-0.036	0	0	0	0	0	0	NM_016684	zinc finger and SCAN domain containing 12 (Zscan12), mRNA.	Mme-M300010511	ILMN_1246450	0	0
232875	Zscan18	-0.154	0.142	-0.071	0	0	0	0	0	0	XM_001476882	PREDICTED: predicted gene, EG232875 (EG232875), mRNA.	Mme-M300009080	ILMN_2531903	0	0
22691	Zscan2	0.136	-0.094	-0.130	0	0	0	0	0	0	NM_009553	zinc finger and SCAN domain containing 2 (Zscan2), mRNA.	Mme-M200002088	ILMN_2481127	0	0
269585	Zscan20	0.012	0.010	-0.024	0	0	0	0	0	0	NM_177758	zinc finger and SCAN domains 20 (Zscan20), mRNA.	Mme-M300006305	ILMN_1239279	0	0
22697	Zscan21	0.107	0.177	0.027	0	0	0	0	0	0	NM_001044705	zinc finger and SCAN domain containing 21 (Zscan21), transcript variant 4, mRNA.	Mme-M200001045	ILMN_2418128	0	0
232878	Zscan22	-0.115	0.144	-0.116	0	0	0	0	0	0	NM_001001447	zinc finger and SCAN domain containing 22 (Zscan22), mRNA.	Mme-M300015497	ILMN_1260324	0	0
666311	Zscan25	0.048	-0.043	-0.053	0	0	0	0	0	0	NM_001081431	zinc finger protein 498 (Zfp498), mRNA.	Mme-M400007776	ILMN_2960521	0	0
432731	Zscan26	0.279	-0.063	-0.134	0	0	0	0	0	0	NM_001013786	zinc finger protein 187 (Zfp187), mRNA.	Mme-M400000552	ILMN_3067831	0	0
665902	Zscan4f	-0.147	0.037	0.069	0	0	0	0	0	0	NM_001110316	zinc finger and SCAN domain containing 4F (Zscan4f), mRNA.	Mme-M400013277	ILMN_2539866	0	0
170734	Zscan5b	-0.054	-0.072	-0.065	0	0	0	0	0	0	NM_133204	zinc finger protein 371 (Zfp371), mRNA.	Mme-M400006157	ILMN_2540983	0	0
71971	Zswim1	0.048	-0.086	0.048	0	0	0	0	0	0	NM_028028	zinc finger, SWIM domain containing 1 (Zswim1), mRNA.	Mme-M200005279	ILMN_2846047	0	0
71861	Zswim2	0.114	-0.015	-0.013	0	0	0	0	0	0	NM_027964	zinc finger, SWIM domain containing 2 (Zswim2), mRNA.	Mme-M200015840	ILMN_1226376	0	0
67538	Zswim3	0.060	-0.008	-0.140	0	0	0	0	0	0	NM_178375	zinc finger, SWIM domain containing 3 (Zswim3), mRNA.	Mme-M200007332	ILMN_1252526	0	0
212168	Zswim4	-0.241	0.042	-0.042	0	0	0	0	0	0	NM_172503	zinc finger, SWIM domain containing 4 (Zswim4), mRNA.	Mme-M300010036	ILMN_2457408	0	0
74464	Zswim5	-0.201	-0.103	-0.069	0	0	0	0	0	0	NM_001029912	zinc finger, SWIM domain containing 5 (Zswim5), mRNA.	Mme-M300009044	ILMN_2493231	0	0
268721	Zswim8	0.131	0.287	-0.044	0	0	0	0	0	0	NM_027996	RIKEN cDNA 2310021P13 gene (2310021P13Rik), mRNA.	Mme-M200013581	ILMN_1217926	0	0
72580	Zufsp	0.055	-0.025	0.087	0	0	0	0	0	0	NM_028287	zinc finger with UFM1-specific peptidase domain (Zufsp), mRNA.	Mme-M300012226	ILMN_2668850	0	0
26951	Zw10	0.218	0.118	0.108	0	0	0	0	0	0	NM_012039	ZW10 homolog (Drosophila), centromere/kinetochore protein (Zw10), mRNA.	Mme-M200005001	ILMN_2498763	0	0
68014	Zwilch	-0.224	0.057	0.036	0	0	0	0	0	0	NM_026507	Zwilch, kinetochore associated, homolog (Drosophila) (Zwilch), mRNA.	Mme-M200014024	ILMN_1258242	0	0
80292	Zxdc	0.132	-0.123	0.029	0	0	0	0	0	0	NM_030260	ZXD family zinc finger C (Zxdc), transcript variant 1, mRNA.	Mme-M300009349	ILMN_2676172	0	0
230590	Zyg11a	0.024	0.016	0.020	0	0	0	0	0	0	XM_001478923	PREDICTED: zyg-11 homolog A (C. elegans) (Zyg11a), mRNA.	Mme-M200013357	ILMN_1256859	0	0
414872	Zyg11b	-0.178	-0.163	0.044	0	0	0	0	0	0	NM_001033634	zyg-ll homolog B (C. elegans) (Zyg11b), mRNA.	Mme-M300009457	ILMN_2788382	0	0
22793	Zyx	0.193	-0.021	-0.020	0	0	0	0	0	0	NM_011777	zyxin (Zyx), mRNA.	Mme-M200002019	ILMN_2514292	0	0
195018	Zzef1	-0.222	-0.246	-0.078	0	0	0	0	0	0	NM_001045536	zinc finger, ZZ-type with EF hand domain 1 (Zzef1), mRNA.	Mme-M300012631	ILMN_2875000	0	0
108946	Zzz3	0.151	-0.092	0.119	0	0	0	0	0	0	NM_198416	zinc finger, ZZ domain containing 3 (Zzz3), transcript variant 1, mRNA.	Mme-M300011921	ILMN_2424408	0	0

Sheets:

Columns:

Entrez_GeneID	Entrez Gene ID
Gene_symbol	Gene symbol
gtngly_423	log2 of Gln / Gly expression ratio observed in Experiment 423 ("exp. 1")
gtngly_616	log2 of Gln / Gly expression ratio observed in Experiment 616 ("exp. 2")
gtngly_521	log2 of Gln / Gly expression ratio observed in Experiment 521 ("exp. 3")
z3gtngly_signed_423	3 std dev indicator for exp 423: 1 if log2ratio > mean + 3 x standard deviation† of all ratios; -1 if log2ratio < mean -3 x standard deviation†
z3gtngly_signed_616	3 std dev indicator for exp 616: 1 if log2ratio > mean + 3 x standard deviation† of all ratios; -1 if log2ratio < mean -3 x standard deviation†
z3gtngly_signed_521	3 std dev indicator for exp 521: 1 if log2ratio > mean + 3 x standard deviation† of all ratios; -1 if log2ratio < mean -3 x standard deviation†
z4gtngly_signed_423	4 std dev indicator for exp 423: 1 if log2ratio > mean + 4 x standard deviation† of all ratios; -1 if log2ratio < mean -4 x standard deviation†
z4gtngly_signed_616	4 std dev indicator for exp 616: 1 if log2ratio > mean + 4 x standard deviation† of all ratios; -1 if log2ratio < mean -4 x standard deviation†
z4gtngly_signed_521	4 std dev indicator for exp 521: 1 if log2ratio > mean + 4 x standard deviation† of all ratios; -1 if log2ratio < mean -4 x standard deviation†
refSeq_agilent	NCBI refSeq identifier for target transcript
RefSeq_description	NCBI refSeq transcript description
probe_id_agilent	corresponding microarray probe identifier for agilent array used in this study
probe_id_illumina	corresponding microarray probe identifier for illumina beadchip used in this study
z4_exp_cnt_up	tally of experiments detecting up-regulation (higher expression in Gln group)
z4_exp_cnt_dn	tally of experiments detecting down-regulation (higher expression in Gly group)

†standard deviation refers to the distribution of log2 ratio measurements across the whole microarray

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
60533	Cd274	0.982	1.067	0.439	1	1	1	1	1	1	NM_02189	CD274 anti	Mme-M20(	ILMN_122(	3	0
17329	Cxcl9	1.080	1.015	0.544	1	1	1	1	1	1	NM_00859	chemokine	Mme-M20(	ILMN_121!	3	0
15953	Ifi47	0.876	0.972	0.507	1	1	1	1	1	1	NM_00833	interferon	Mme-M20(	ILMN_265:	3	0
16145	Igtp	0.911	1.151	0.546	1	1	1	1	1	1	NM_01873	interferon	Mme-M40(	ILMN_259:	3	0
12304	Pdia4	1.517	1.091	0.442	1	1	1	1	1	1	NM_00978	protein dis	Mme-M30(	ILMN_124!	3	0

Entrez_GeneID	Gene_symbol	g1ngly_423	g1ngly_616	g1ngly_921	z3g1ngly_signed_423	z3g1ngly_signed_616	z3g1ngly_signed_921	z4g1ngly_signed_423	z4g1ngly_signed_616	z4g1ngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
170812	Ahsp	0.345	0.606	0.522	0	1	1	0	1	1	NM_133245	erythroid associated factor (Eraf), mRNA.	Mme-M400011806	ILMN_2619200	2	0
11629	Aif1	0.000	0.869	0.414	0	1	1	0	1	1	NM_019467	allograft inflammatory factor 1 (Aif1), mRNA.	Mme-M200002991	ILMN_1212938	2	0
12047	Bcl2a1d	0.132	0.614	0.417	0	1	1	0	1	1	NM_007536	B-cell leukemia/lymphoma 2 related protein A1d (Bcl2a1d), mRNA.	Mme-M400005072	ILMN_2660555	2	0
12266	C3	0.282	0.613	0.413	0	1	1	0	1	1	NM_009778	complement component 3 (C3), mRNA.	Mme-M200003738	ILMN_2759484	2	0
625018	C4a	-0.295	0.695	0.466	0	1	1	0	1	1	NM_011413	complement component 4A (Rodgers blood group) (C4a), mRNA.	Mme-M400007609	ILMN_1215092	2	0
12372	Casq1	1.823	0.594	-0.070	1	1	0	1	1	0	NM_009813	calsequestrin 1 (Casq1), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200003140	ILMN_2773330	2	0
20304	Ccl5	-0.253	0.578	0.583	0	1	1	0	1	1	NM_013653	chemokine (C-C motif) ligand 5 (Ccl5), mRNA.	Mme-M300009668	ILMN_1231814	2	0
20306	Ccl7	0.140	0.856	0.529	0	1	1	0	1	1	NM_013654	chemokine (C-C motif) ligand 7 (Ccl7), mRNA.	Mme-M200003414	ILMN_2835117	2	0
20307	Ccl8	-0.028	0.908	0.531	0	1	1	0	1	1	NM_021443	chemokine (C-C motif) ligand 8 (Ccl8), mRNA.	Mme-M300001017	ILMN_1238886	2	0
16149	Cd74	0.058	0.623	0.545	0	1	1	0	1	1	NM_001042605	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) (Cd74), transcript variant 1, mRNA.	Mme-M400010174	ILMN_1247832	2	0
55985	Cxcl13	-0.078	0.893	0.554	0	1	1	0	1	1	NM_018866	chemokine (C-X-C motif) ligand 13 (Cxcl13), mRNA.	Mme-M200002874	ILMN_2760019	2	0
215900	Fam26f	0.814	0.917	0.468	1	1	1	0	1	1	NM_175449	RIKEN cDNA A630077B13 gene (A630077B13Rik), mRNA.	Mme-M300016956	ILMN_1249864	2	0
14469	Gbp2	0.741	1.067	0.410	1	1	1	0	1	1	NM_010260	guanylate nucleotide binding protein 2 (Gbp2), mRNA.	Mme-M200004765	ILMN_3047389	2	0
14468	Gbp2b	1.028	0.998	0.316	1	1	1	1	1	0	NM_010259	guanylate nucleotide binding protein 1 (Gbp1), mRNA.	Mme-M200000089	ILMN_1233293	2	0
55932	Gbp3	0.399	0.955	0.459	0	1	1	0	1	1	NM_018734	guanylate nucleotide binding protein 3 (Gbp3), mRNA.	Mme-M400001076	ILMN_2918002	2	0
229898	Gbp5	0.236	0.694	0.789	0	1	1	0	1	1	NM_153564	guanylate nucleotide binding protein 5 (Gbp5), mRNA.	Mme-M300012578	ILMN_1244866	2	0
14599	Gh	2.702	-2.030	1.393	1	-1	1	1	-1	1	NM_008117	growth hormone (Gh), mRNA.	Mme-M200000457	ILMN_2725322	2	1
15018	H2-Q7	0.261	0.632	0.461	0	1	1	0	1	1	NM_010394	histocompatibility 2, Q region locus 7 (H2-Q7), mRNA.	Mme-M400005000	ILMN_2771182	2	0
16362	Irf1	0.947	1.134	0.342	1	1	1	1	1	0	NM_008390	interferon regulatory factor 1 (Irf1), mRNA.	Mme-M200000461	ILMN_2599782	2	0
15944	Irgm1	0.864	1.061	0.502	1	1	1	0	1	1	NM_008326	immunity-related GTPase family, M (Irgm), mRNA.	Mme-M200006739	ILMN_1234539	2	0
54396	Irgm2	0.572	0.923	0.455	0	1	1	0	1	1	NM_019440	interferon inducible GTPase 2 (Iigp2), mRNA.	Mme-M200007439	ILMN_1259564	2	0
76161	Lamp5	0.982	1.570	0.026	1	1	0	1	1	0	NM_029530	RIKEN cDNA 6330527O06 gene (6330527O06Rik), mRNA.	Mme-M400011677	ILMN_1252349	2	0
110454	Ly6a	0.674	0.885	0.413	1	1	1	0	1	1	NM_010738	lymphocyte antigen 6 complex, locus A (Ly6a), mRNA.	Mme-M400000587	ILMN_1255416	2	0
219132	Phf11d	0.391	0.590	0.414	0	1	1	0	1	1	NM_199015	DNA segment, Chr 14, ERATO Doi 668, expressed (D14Ertd668e), mRNA.	Mme-M400012594	ILMN_2684848	2	0
19109	Prl	2.642	-1.374	1.620	1	-1	1	1	-1	1	NM_011164	prolactin (Prl), mRNA.	Mme-M200000477	ILMN_2685995	2	1
16913	Psmb8	0.478	0.718	0.452	0	1	1	0	1	1	NM_010724	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7) (Psmb8), mRNA.	Mme-M200003254	ILMN_1226683	2	0
20533	Slc4a1	0.340	0.761	0.550	0	1	1	0	1	1	NM_011403	solute carrier family 4 (anion exchanger), member 1 (Slc4a1), mRNA.	Mme-M200002508	ILMN_1227675	2	0
20846	Stat1	0.402	0.683	0.449	0	1	1	0	1	1	NM_009283	signal transducer and activator of transcription 1 (Stat1), mRNA.	Mme-M200002695	ILMN_2593196	2	0
21822	Tgtp1	0.198	0.868	0.533	0	1	1	0	1	1	NM_011579	T-cell specific GTPase (Tgtp), mRNA.	Mme-M400003473	ILMN_2754158	2	0
329278	Tnn	0.905	0.645	-0.376	1	1	-1	1	1	0	NM_177839	tenascin N (Tnn), mRNA.	Mme-M300005254	ILMN_2896200	2	0
20821	Trim21	0.124	0.685	0.421	0	1	1	0	1	1	NM_001082552	tripartite motif-containing 21 (Trim21), transcript variant 2, mRNA.	Mme-M200000550	ILMN_3139158	2	0
24108	Ubd	0.518	1.258	0.577	0	1	1	0	1	1	NM_023137	ubiquitin D (Ubd), mRNA.	Mme-M200009290	ILMN_2426853	2	0
22353	Vip	0.939	0.957	0.378	1	1	1	1	1	0	NM_011702	vasoactive intestinal polypeptide (Vip), mRNA.	Mme-M200016174	ILMN_2943387	2	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
68832	1110057K04Rik	0.109	-0.111	0.667	0	0	1	0	0	1	NM_172401	RIKEN cDNA 1110057K04 gene (1110057K04Rik), mRNA.	Mme-M200005153	ILMN_2633457	1	0
78896	1500015O10Rik	0.902	-0.186	-0.242	1	0	0	1	0	0	NM_024283	RIKEN cDNA 1500015O10 gene (1500015O10Rik), mRNA.	Mme-M200003056	ILMN_1249000	1	0
71886	2310002L09Rik	1.045	0.288	-0.234	1	0	0	1	0	0	NM_027104	RIKEN cDNA 2310002L09 gene (2310002L09Rik), mRNA.	Mme-M300006075	ILMN_1214119	1	0
70591	5730455P16Rik	-0.070	-0.205	0.498	0	0	1	0	0	1	NM_027472	RIKEN cDNA 5730455P16 gene (5730455P16Rik), mRNA.	Mme-M200015779	ILMN_1226103	1	0
11459	Acta1	1.866	-0.319	-1.211	1	0	-1	1	0	-1	NM_009606	actin, alpha 1, skeletal muscle (Acta1), mRNA.	Mme-M200013335	ILMN_2738825	1	1
11475	Acta2	1.023	-0.821	-0.078	1	-1	0	1	-1	0	NM_007392	actin, alpha 2, smooth muscle, aorta (Acta2), mRNA.	Mme-M300010088	ILMN_2693895	1	1
11464	Actc1	1.257	0.400	0.008	1	0	0	1	0	0	NM_009608	actin, alpha, cardiac (Actc1), mRNA.	Mme-M400010954	ILMN_2598916	1	0
11472	Actn2	2.054	0.390	-0.563	1	0	-1	1	0	-1	NM_033268	actinin alpha 2 (Actn2), mRNA.	Mme-M400004095	ILMN_2764727	1	1
11474	Actn3	0.726	0.717	-0.384	1	1	-1	0	1	0	NM_013456	actinin alpha 3 (Actn3), mRNA.	Mme-M200002239	ILMN_2747543	1	0
382045	Adgrg5	-0.053	0.571	0.318	0	1	1	0	1	0	NM_001033468	G protein-coupled receptor 114 (Gpr114), mRNA.	Mme-M400007436	ILMN_2856926	1	0
11565	Adssl1	1.225	0.412	-0.117	1	0	0	1	0	0	NM_007421	adenylosuccinate synthetase like 1 (Adssl1), mRNA.	Mme-M200001333	ILMN_2958099	1	0
11656	Alas2	0.276	0.566	0.177	0	1	0	0	1	0	NM_001102446	aminolevulinic acid synthase 2, erythroid (Alas2), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.	Mme-M400010964	ILMN_2675874	1	0
108857	Ankhd1	0.221	-0.317	0.712	0	0	1	0	0	1	NM_175375	ankyrin repeat and KH domain containing 1 (Ankhd1), mRNA.	Mme-M300004164	ILMN_1239042	1	0
11811	Apobec2	1.624	-0.156	0.076	1	0	0	1	0	0	NM_009694	apolipoprotein B editing complex 2 (Apobec2), mRNA.	Mme-M200005715	ILMN_2675122	1	0
223672	Apol9a	-0.013	0.645	0.125	0	1	0	0	1	0	XM_911308	PREDICTED: cDNA sequence BC020489, transcript variant 3 (BC020489), mRNA.	Mme-M400005884	ILMN_2671435	1	0
71898	Apol9b	0.125	0.565	0.200	0	1	0	0	1	0	NM_173743	apolipoprotein L 9b (Apol9b), mRNA.	Mme-M400007586	ILMN_2622856	1	0
11857	Arhgdib	0.354	0.680	0.342	0	1	1	0	1	0	NM_007486	Rho, GDP dissociation inhibitor (GDI) beta (Arhgdib), mRNA.	Mme-M200000851	ILMN_2789948	1	0
74100	Arpp21	0.281	0.828	-0.061	0	1	0	0	1	0	NM_028755	cyclic AMP-regulated phosphoprotein, 21 (Arpp21), transcript variant 1, mRNA.	Mme-M200007267	ILMN_1240537	1	0
11872	Art2b	-0.081	0.586	0.311	0	1	1	0	1	0	NM_019915	ADP-ribosyltransferase 2b (Art2b), mRNA.	Mme-M200016315	ILMN_1215074	1	0
211961	Asxl3	-0.250	-0.270	0.551	0	0	1	0	0	1	XM_001474902	PREDICTED: additional sex combs like 3 (Drosophila) (Asxl3), mRNA.	Mme-M400015907	ILMN_1217023	1	0
11937	Atp2a1	2.744	-0.362	-0.590	1	0	-1	1	0	-1	NM_007504	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 (Atp2a1), mRNA.	Mme-M200007718	ILMN_2666864	1	1
76898	B3gat1	0.271	0.755	0.182	0	1	0	0	1	0	NM_029792	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3gat1), mRNA.	Mme-M400003097	ILMN_2853122	1	0
12013	Bach1	0.015	-0.341	0.696	0	0	1	0	0	1	NM_007520	BTB and CNC homology 1 (Bach1), mRNA.	Mme-M200002201	ILMN_2741677	1	0
74481	Batf2	0.486	1.188	0.112	0	1	0	0	1	0	NM_028967	basic leucine zipper transcription factor, ATF-like 2 (Batf2), mRNA.	Mme-M200010766	ILMN_1230143	1	0
116848	Baz2a	0.044	-0.101	0.636	0	0	1	0	0	1	NM_054078	bromodomain adjacent to zinc finger domain, 2A (Baz2a), mRNA.	Mme-M200012957	ILMN_2652385	1	0
228801	Bpifb1	0.715	-0.731	0.563	1	-1	1	0	-1	1	NM_153418	cDNA sequence U46068 (U46068), transcript variant 2, mRNA.	Mme-M200001451	ILMN_2493371	1	1
12268	C4b	0.050	0.542	0.509	0	1	1	0	0	1	NM_009780	complement component 4B (Childo blood group) (C4b), mRNA.	Mme-M300001412	ILMN_2606624	1	0
12299	Cacng1	0.196	0.630	-0.205	0	1	0	0	1	0	NM_007582	calcium channel, voltage-dependent, gamma subunit 1 (Cacng1), mRNA.	Mme-M200014927	ILMN_2609549	1	0
227541	Camk1d	0.192	-0.141	0.407	0	0	1	0	0	1	NM_177343	calcium/calmodulin-dependent protein kinase ID (Camk1d), mRNA.	Mme-M400004013	ILMN_1220441	1	0
66259	Camk2n1	1.146	0.214	-0.196	1	0	0	1	0	0	NM_025451	calcium/calmodulin-dependent protein kinase II inhibitor 1 (Camk2n1), mRNA.	Mme-M300017353	ILMN_2487046	1	0
12796	Camp	0.080	0.391	0.433	0	0	1	0	0	1	NM_009921	cathelicidin antimicrobial peptide (Camp), mRNA.	Mme-M200001469	ILMN_2766604	1	0
12362	Casp1	0.034	0.457	0.431	0	1	1	0	0	1	NM_009807	caspase 1 (Casp1), mRNA.	Mme-M200000383	ILMN_1247592	1	0
12363	Casp4	0.366	0.696	0.383	0	1	1	0	1	0	NM_007609	caspase 4, apoptosis-related cysteine peptidase (Casp4), mRNA.	Mme-M200000637	ILMN_2811737	1	0
228942	Cbln4	0.087	0.657	-0.110	0	1	0	0	1	0	NM_175631	cerebellin 4 precursor protein (Cbln4), mRNA.	Mme-M400012320	ILMN_2639849	1	0
12424	Cck	0.831	0.651	-0.031	1	1	0	0	1	0	NM_031161	cholecystokinin (Cck), mRNA.	Mme-M200000995	ILMN_1252990	1	0
20292	Ccl11	0.291	0.571	0.121	0	1	0	0	1	0	NM_011330	small chemokine (C-C motif) ligand 11 (Ccl11), mRNA.	Mme-M200001889	ILMN_2647757	1	0
20293	Ccl12	0.657	0.631	0.192	1	1	0	0	1	0	NM_011331	chemokine (C-C motif) ligand 12 (Ccl12), mRNA.	Mme-M400011127	ILMN_2771766	1	0
24047	Ccl19	0.565	0.607	0.185	0	1	0	0	1	0	NM_011888	chemokine (C-C motif) ligand 19 (Ccl19), mRNA.	Mme-M400006959	ILMN_2836386	1	0
20296	Ccl2	0.222	0.699	0.292	0	1	0	0	1	0	NM_011333	chemokine (C-C motif) ligand 2 (Ccl2), mRNA.	Mme-M200000049	ILMN_1245710	1	0
18829	Ccl21a	0.993	0.452	-0.083	1	1	0	1	0	0	NM_011124	chemokine (C-C motif) ligand 21b (Ccl21b), mRNA.	Mme-M400009276	ILMN_1213286	1	0
20303	Ccl4	0.062	0.574	0.318	0	1	1	0	1	0	NM_013652	chemokine (C-C motif) ligand 4 (Ccl4), mRNA.	Mme-M200000467	ILMN_1223257	1	0
12774	Ccr5	0.033	0.661	0.342	0	1	1	0	1	0	NM_009917	chemokine (C-C motif) receptor 5 (Ccr5), mRNA.	Mme-M200003301	ILMN_2685393	1	0
12502	Cd3g	0.061	0.579	0.342	0	1	1	0	1	0	NM_009850	CD3 antigen, gamma polypeptide (Cd3g), mRNA.	Mme-M200001786	ILMN_2722784	1	0
12514	Cd68	0.094	0.712	0.192	0	1	0	0	1	0	NM_009853	CD68 antigen (Cd68), mRNA.	Mme-M200003402	ILMN_2689785	1	0
12523	Cd84	0.071	0.586	0.132	0	1	0	0	1	0	NM_013489	CD84 antigen (Cd84), mRNA.	Mme-M200004242	ILMN_2754698	1	0
12526	Cd8b1	0.067	0.242	0.412	0	0	1	0	0	1	NM_009858	CD8 antigen, beta chain 1 (Cd8b1), mRNA.	Mme-M400004323	ILMN_2741169	1	0
319675	Cep295	-0.236	-0.291	0.571	0	0	1	0	0	1	NM_176976	RIKEN cDNA 5830418K08 gene (5830418K08Rik), mRNA.	Mme-M300017040	ILMN_2541675	1	0
11537	Cfd	0.499	0.606	-0.989	0	1	-1	0	1	-1	NM_013459	complement factor D (adipsin) (Cfd), mRNA.	Mme-M300002011	ILMN_2835423	1	1
12640	Cga	2.314	-0.736	-0.397	1	-1	-1	1	-1	0	NM_009889	glycoprotein hormones, alpha subunit (Cga), mRNA.	Mme-M300006037	ILMN_2770220	1	1
12653	Chgb	0.912	0.313	-0.550	1	0	-1	1	0	-1	NM_007694	chromogranin B (Chgb), mRNA.	Mme-M200000516	ILMN_2679377	1	1
12265	Ciita	-0.273	0.690	0.242	0	1	0	0	1	0	NM_007575	class II transactivator (Ciita), mRNA.	Mme-M300003320	ILMN_2678211	1	0
12715	Ckm	2.383	0.038	-0.760	1	0	-1	1	0	-1	NM_007710	creatine kinase, muscle (Ckm), mRNA.	Mme-M200000890	ILMN_2608804	1	1
76722	Ckmt2	2.752	0.108	-0.598	1	0	-1	1	0	-1	NM_198415	creatine kinase, mitochondrial 2 (Ckmt2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002865	ILMN_2698052	1	1
93694	Clec2d	0.473	0.782	0.175	0	1	0	0	1	0	NM_053109	C-type lectin domain family 2, member d (Clec2d), mRNA.	Mme-M400001227	ILMN_2603647	1	0
56644	Clec7a	0.162	0.344	0.539	0	0	1	0	0	1	NM_020008	C-type lectin domain family 7, member a (Clec7a), mRNA.	Mme-M400001228	ILMN_1239843	1	0
78785	Clip4	0.139	-0.043	0.416	0	0	1	0	0	1	NM_030179	CAP-GLY domain containing linker protein family, member 4 (Clip4), mRNA.	Mme-M200009663	ILMN_2606470	1	0
98417	Cnih4	0.395	0.179	0.421	0	0	1	0	0	1	NM_030131	cornichon homolog 4 (Drosophila) (Cnih4), mRNA.	Mme-M200009614	ILMN_2788629	1	0
12862	Cox6a2	2.170	0.287	-0.520	1	0	-1	1	0	-1	NM_009943	cytochrome c oxidase, subunit VI a, polypeptide 2 (Cox6a2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014014	ILMN_2629581	1	1
12865	Cox7a1	1.892	0.150	-0.430	1	0	-1	1	0	-1	NM_009944	cytochrome c oxidase, subunit VIIa 1 (Cox7a1), mRNA.	Mme-M400010990	ILMN_1240857	1	1
12869	Cox8b	2.039	-0.439	-0.830	1	-1	-1	1	0	-1	NM_007751	cytochrome c oxidase, subunit VIIIb (Cox8b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001471	ILMN_2727520	1	1
12874	Cpd	-0.115	-0.338	0.406	0	0	1	0	0	1	NM_007754	carboxypeptidase D (Cpd), mRNA.	Mme-M400019066	ILMN_1249142	1	0
12895	Cpt1b	0.938	0.110	-0.197	1	0	0	1	0	0	NM_009948	carnitine palmitoyltransferase 1b, muscle (Cpt1b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000591	ILMN_1227666	1	0
12914	Crebbp	0.229	-0.285	0.419	0	0	1	0	0	1	NM_001025432	CREB binding protein (Crebbp), mRNA.	Mme-M400000579	ILMN_1255457	1	0
29873	Cspg5	0.082	0.560	0.111	0	1	0	0	1	0	NM_013884	chondroitin sulfate proteoglycan 5 (Cspg5), mRNA.	Mme-M200008083	ILMN_2732634	1	0
13041	Ctsw	0.086	0.436	0.448	0	1	1	0	0	1	NM_009985	cathepsin W (Ctsw), mRNA.	Mme-M200007552	ILMN_2721399	1	0
15945	Cxcl10	0.764	1.192	0.404	1	1	1	0	1	0	NM_021274	chemokine (C-X-C motif) ligand 10 (Cxcl10), mRNA.	Mme-M200000311	ILMN_3142803	1	0
13086	Cyp2a4	1.028	-0.042	-0.027	1	0	0	1	0	0	NM_009997	cytochrome P450, family 2, subfamily a, polypeptide 4 (Cyp2a4), mRNA.	Mme-M300000694	ILMN_1250364	1	0
227929	Cytip	0.074	0.585	0.348	0	1	1	0	1	0	NM_139200	pleckstrin homology, Sec7 and coiled-coil domains, binding protein (Pscdbp), mRNA.	Mme-M200008952	ILMN_1251748	1	0
73284	Ddit4l	1.427	0.337	-0.284	1	0	0	1	0	0	NM_030143	DNA-damage-inducible transcript 4-like (Ddit4l), mRNA.	Mme-M300017694	ILMN_2695819	1	0
13209	Ddx6	0.277	-0.210	0.872	0	0	1	0	0	1	NM_007841	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 (Ddx6), transcript variant 3, mRNA.	Mme-M400014568	ILMN_2606667	1	0
110052	Dek	0.299	-0.163	0.507	0	0	1	0	0	1	NM_025900	DEK oncogene (DNA binding) (Dek), mRNA.	Mme-M200005955	ILMN_2617496	1	0
13346	Des	1.911	0.281	-0.426	1	0	-1	1	0	-1	NM_010043	desmin (Des), mRNA.	Mme-M200002416	ILMN_2836982	1	1
71755	Dhdh	-0.014	0.102	0.537	0	0	1	0	0	1	NM_027903	dihydrodiol dehydrogenase (dimeric) (Dhdh), mRNA.	Mme-M200007515	ILMN_1234086	1	0
68460	Dhrs7c	0.852	0.631	-0.058	1	1	0	0	1	0	NM_001013013	dehydrogenase/reductase (SDR family) member 7C (Dhrs7c), mRNA.	Mme-M400001526	ILMN_2731035	1	0
13386	Dlk1	1.204	0.113	-0.430	1	0	-1	1	0	-1	NM_010052	delta-like 1 homolog (Drosophila) (Dlk1), mRNA.	Mme-M400002449	ILMN_1244618	1	1
13390	Dlx1	0.048	0.637	0.017	0	1	0	0	1	0	NM_010053	distal-less homeobox 1 (Dlx1), mRNA.	Mme-M200001802	ILMN_2800505	1	0
13421	Dnase1l3	0.003	0.565	0.110	0	1	0	0	1	0	NM_007870	deoxyribonuclease 1-like 3 (Dnase1l3), mRNA.	Mme-M200002912	ILMN_2667994	1	0
71712	Dram1	0.180	0.593	0.348	0	1	1	0	1	0	NM_027878	RIKEN cDNA 1200002N14 gene (1200002N14Rik), mRNA.	Mme-M200007748	ILMN_1219820	1	0
209200	Dtx3l	0.427	0.690	0.168	0	1	0	0	1	0	NM_001013371	deltex 3-like (Drosophila) (Dtx3l), mRNA.	Mme-M300020249	ILMN_1220813	1	0
18605	Enpp1	-0.234	0.092	0.549	0	0	1	0	0	1	NM_008813	ectonucleotide pyrophosphatase/phosphodiesterase 1 (Enpp1), mRNA.	Mme-M200005481	ILMN_1231851	1	0
14017	Evi2a	0.145	0.184	0.405	0	0	1	0	0	1	NM_010161	ecotropic viral integration site 2a (Evi2a), transcript variant 2, mRNA.	Mme-M400011007	ILMN_1251669	1	0
11770	Fabp4	1.213	0.019	0.077	1	0	0	1	0	0	NM_024406	fatty acid binding protein 4, adipocyte (Fabp4), mRNA.	Mme-M300005685	ILMN_2615947	1	0
319604	Fam168a	-0.350	-0.093	0.827	0	0	1	0	0	1	NM_178764	RIKEN cDNA B930006L02 gene (B930006L02Rik), mRNA.	Mme-M300021036	ILMN_2623110	1	0
215015	Fam20b	0.078	-0.369	0.879	0	0	1	0	0	1	NM_145413	RIKEN cDNA C530043G21 gene (C530043G21Rik), mRNA.	Mme-M200007055	ILMN_1247603	1	0
215708	Fam73a	-0.207	-0.399	0.710	0	0	1	0	0	1	NM_174868	RIKEN cDNA C030011O14 gene (C030011O14Rik), mRNA.	Mme-M400009259	ILMN_2713004	1	0
246256	Fcgr4	0.383	0.725	0.182	0	1	0	0	1	0	NM_144559	Fc receptor, IgG, low affinity IV (Fcgr4), mRNA.	Mme-M300021278	ILMN_2631161	1	0
68680	Fitm1	1.662	0.367	-0.099	1	0	0	1	0	0	NM_026808	RIKEN cDNA 1110028A07 gene (1110028A07Rik), mRNA.	Mme-M200007890	ILMN_1243516	1	0
14415	Gad1	0.319	1.264	0.012	0	1	0	0	1	0	NM_008077	glutamic acid decarboxylase 1 (Gad1), mRNA.	Mme-M200003450	ILMN_1234988	1	0
14417	Gad2	0.399	1.075	-0.030	0	1	0	0	1	0	NM_008078	glutamic acid decarboxylase 2 (Gad2), mRNA.	Mme-M200001952	ILMN_2460754	1	0
107338	Gbf1	0.061	-0.440	0.484	0	-1	1	0	0	1	NM_178930	golgi-specific brefeldin A-resistance factor 1 (Gbf1), mRNA.	Mme-M300004522	ILMN_2726603	1	0
17472	Gbp4	0.918	0.119	-0.048	1	0	0	1	0	0	NM_008620	guanylate nucleotide binding protein 4 (Gbp4), mRNA.	Mme-M300006598	ILMN_2606792	1	0
100702	Gbp6	0.974	-0.055	-0.008	1	0	0	1	0	0	NM_194336	macrophage activation 2 like (Mpa2l), mRNA.	Mme-M400004866	ILMN_2653249	1	0
229900	Gbp7	0.438	0.936	0.358	0	1	1	0	1	0	NM_001083312	guanylate binding protein 6 (Gbp6), mRNA.	Mme-M400002349	ILMN_2860649	1	0
76074	Gbp8	0.892	0.020	-0.015	1	0	0	1	0	0	NM_029509	RIKEN cDNA 5830443L24 gene (5830443L24Rik), mRNA.	Mme-M400001703	ILMN_2646187	1	0
70297	Gcc2	0.111	-0.319	0.467	0	0	1	0	0	1	NM_027375	GRIP and coiled-coil domain containing 2 (Gcc2), mRNA.	Mme-M200005134	ILMN_1212649	1	0
83408	Gimap3	-0.104	0.418	0.494	0	0	1	0	0	1	NM_031247	GTPase, IMAP family member 3 (Gimap3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300012076	ILMN_1254241	1	0
231932	Gimap7	-0.059	0.589	0.205	0	1	0	0	1	0	NM_146167	GTPase, IMAP family member 7 (Gimap7), mRNA.	Mme-M300014985	ILMN_2595918	1	0
243374	Gimap8	-0.182	0.582	0.271	0	1	0	0	1	0	NM_212486	GTPase, IMAP family member 8 (Gimap8), transcript variant 1, mRNA.	Mme-M400008620	ILMN_3088269	1	0
56278	Gkap1	-0.165	-0.317	0.508	0	0	1	0	0	1	NM_019832	G kinase anchoring protein 1 (Gkap1), mRNA.	Mme-M400005063	ILMN_2682279	1	0
620913	Gm12185	-0.160	0.775	0.183	0	1	0	0	1	0	NM_001045540	predicted gene, OTTMUSG00000005523 (OTTMUSG00000005523), mRNA.	Mme-M400003474	ILMN_2847773	1	0
14680	Gnal	-0.174	-0.473	0.792	0	-1	1	0	0	1	NM_010307	guanine nucleotide binding protein, alpha stimulating, olfactory type (Gnal), transcript variant 1, mRNA.	Mme-M300004189	ILMN_2429164	1	0
110168	Gpr18	0.065	0.580	0.247	0	1	0	0	1	0	NM_182806	G protein-coupled receptor 18 (Gpr18), mRNA.	Mme-M300021051	ILMN_1213809	1	0
14778	Gpx3	1.037	0.404	-0.444	1	0	-1	1	0	-1	NM_008161	glutathione peroxidase 3 (Gpx3), transcript variant 2, mRNA.	Mme-M200002493	ILMN_2715546	1	1
14799	Gria1	0.291	0.657	-0.157	0	1	0	0	1	0	NM_008165	glutamate receptor, ionotropic, AMPA1 (alpha 1) (Gria1), transcript variant 2, mRNA.	Mme-M200002033	ILMN_1221295	1	0
14812	Grin2b	0.612	0.714	0.041	0	1	0	0	1	0	NM_008171	glutamate receptor, ionotropic, NMDA2B (epsilon 2) (Grin2b), mRNA.	Mme-M300007074	ILMN_2547237	1	0
74558	Gvin1	0.254	0.545	0.502	0	1	1	0	0	1	NM_001039160	GTPase, very large interferon inducible 1 (Gvin1), transcript variant B, mRNA.	Mme-M400003083	ILMN_3120510	1	0
14998	H2-DMa	-0.276	0.700	0.238	0	1	0	0	1	0	NM_010386	histocompatibility 2, class II, locus DMa (H2-DMa), mRNA.	Mme-M200003430	ILMN_2777769	1	0
15000	H2-DMb2	0.128	0.875	0.213	0	1	0	0	1	0	NM_010388	histocompatibility 2, class II, locus Mb2 (H2-DMb2), mRNA.	Mme-M300010992	ILMN_2589164	1	0
14969	H2-Eb1	0.205	0.592	0.215	0	1	0	0	1	0	NM_010382	histocompatibility 2, class II antigen E beta (H2-Eb1), mRNA.	Mme-M300004076	ILMN_1239102	1	0
14991	H2-M3	0.218	0.681	0.166	0	1	0	0	1	0	NM_013819	histocompatibility 2, M region locus 3 (H2-M3), mRNA.	Mme-M300001499	ILMN_2670508	1	0
15016	H2-Q5	-0.041	0.578	0.391	0	1	1	0	1	0	NM_010393	histocompatibility 2, Q region locus 5 (H2-Q5), mRNA.	Mme-M400011031	ILMN_2685581	1	0
110557	H2-Q6	0.165	0.371	0.579	0	0	1	0	0	1	NM_207648	histocompatibility 2, Q region locus 6 (H2-Q6), mRNA.	Mme-M400012661	ILMN_2495446	1	0
15040	H2-T23	0.466	0.590	0.337	0	1	1	0	1	0	NM_010398	histocompatibility 2, T region locus 23 (H2-T23), mRNA.	Mme-M400009660	ILMN_1223179	1	0
15114	Hap1	0.126	0.737	-0.175	0	1	0	0	1	0	NM_010404	huntingtin-associated protein 1 (Hap1), mRNA.	Mme-M200002975	ILMN_1244829	1	0
69585	Hfe2	0.933	0.071	0.073	1	0	0	1	0	0	NM_027126	hemochromatosis type 2 (juvenile) (human homolog) (Hfe2), mRNA.	Mme-M200016372	ILMN_2688089	1	0
212032	Hk3	0.240	0.879	0.125	0	1	0	0	1	0	NM_001033245	hexokinase 3 (Hk3), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M400000867	ILMN_3161013	1	0
97165	Hmgb2	0.094	0.094	0.448	0	0	1	0	0	1	NM_008252	high mobility group box 2 (Hmgb2), mRNA.	Mme-M400012694	ILMN_3156604	1	0
15439	Hp	0.100	0.585	-0.020	0	1	0	0	1	0	NM_017370	haptoglobin (Hp), mRNA.	Mme-M200005335	ILMN_2668509	1	0
170638	Hpcal4	0.581	0.769	-0.102	0	1	0	0	1	0	NM_174998	hippocalcin-like 4 (Hpcal4), mRNA.	Mme-M300017016	ILMN_2662054	1	0
54486	Hpgds	-0.143	0.077	0.425	0	0	1	0	0	1	NM_019455	prostaglandin D2 synthase 2, hematopoietic (Ptgds2), mRNA.	Mme-M200009443	ILMN_2981783	1	0
15894	Icam1	0.000	0.611	0.068	0	1	0	0	1	0	NM_010493	intercellular adhesion molecule 1 (Icam1), mRNA.	Mme-M400002004	ILMN_2896601	1	0
26388	Ifi202b	0.368	0.449	0.521	0	1	1	0	0	1	NM_011940	interferon activated gene 202B (Ifi202b), transcript variant 2, mRNA.	Mme-M300005162	ILMN_3085992	1	0
15978	Ifng	0.352	1.086	0.265	0	1	0	0	1	0	NM_008337	interferon gamma (Ifng), mRNA.	Mme-M400005074	ILMN_2685712	1	0
60440	Iigp1	0.905	0.273	0.088	1	0	0	1	0	0	NM_021792	interferon inducible GTPase 1 (Iigp1), mRNA.	Mme-M400004695	ILMN_2612776	1	0
16161	Il12rb1	0.499	0.816	0.168	0	1	0	0	1	0	NM_008353	interleukin 12 receptor, beta 1 (Il12rb1), mRNA.	Mme-M300000119	ILMN_1227900	1	0
16182	Il18r1	0.009	0.560	0.279	0	1	0	0	1	0	NM_008365	interleukin 18 receptor 1 (Il18r1), mRNA.	Mme-M300004923	ILMN_1218525	1	0
16197	Il7r	0.059	0.405	0.427	0	0	1	0	0	1	NM_008372	interleukin 7 receptor (Il7r), mRNA.	Mme-M200000142	ILMN_2680827	1	0
27056	Irf5	0.226	0.585	0.092	0	1	0	0	1	0	NM_012057	interferon regulatory factor 5 (Irf5), mRNA.	Mme-M200002370	ILMN_2621752	1	0
54123	Irf7	0.154	0.737	0.327	0	1	1	0	1	0	NM_016850	interferon regulatory factor 7 (Irf7), mRNA.	Mme-M200001244	ILMN_1227573	1	0
15900	Irf8	0.529	0.632	0.339	0	1	1	0	1	0	NM_008320	interferon regulatory factor 8 (Irf8), mRNA.	Mme-M200001229	ILMN_2673369	1	0
16365	Irg1	0.248	0.797	0.249	0	1	0	0	1	0	NM_008392	immunoresponsive gene 1 (Irg1), mRNA.	Mme-M200001873	ILMN_2433955	1	0
26549	Itgb1bp2	1.145	0.204	-0.026	1	0	0	1	0	0	NM_013712	integrin beta 1 binding protein 2 (Itgb1bp2), mRNA.	Mme-M200014442	ILMN_2853166	1	0
16421	Itgb7	-0.083	0.565	0.203	0	1	0	0	1	0	NM_013566	integrin beta 7 (Itgb7), mRNA.	Mme-M200000020	ILMN_1227434	1	0
23849	Klf6	0.210	-0.064	0.807	0	0	1	0	0	1	NM_011803	Kruppel-like factor 6 (Klf6), mRNA.	Mme-M200012730	ILMN_2731949	1	0
244923	Klhl31	1.393	0.138	-0.224	1	0	0	1	0	0	NM_172925	kelch-like 31 (Drosophila) (Klhl31), mRNA.	Mme-M300019632	ILMN_1247118	1	0
228003	Klhl41	1.168	0.429	-0.450	1	1	-1	1	0	-1	NM_001081087	kelch repeat and BTB (POZ) domain containing 10 (Kbtbd10), mRNA.	Mme-M400005332	ILMN_2527465	1	1
16634	Klra3	-0.038	0.810	0.134	0	1	0	0	1	0	NM_010648	killer cell lectin-like receptor, subfamily A, member 3 (Klra3), mRNA.	Mme-M400002975	ILMN_1237580	1	0
243655	Klre1	-0.030	0.634	0.261	0	1	0	0	1	0	NM_153590	killer cell lectin-like receptor family E member 1 (Klre1), mRNA.	Mme-M300020946	ILMN_1239346	1	0
16716	Ky	0.560	0.673	-0.492	0	1	-1	0	1	-1	NM_024291	kyphoscoliosis peptidase (Ky), mRNA.	Mme-M400011461	ILMN_2906855	1	1
19039	Lgals3bp	0.505	0.577	0.105	0	1	0	0	1	0	NM_011150	lectin, galactoside-binding, soluble, 3 binding protein (Lgals3bp), mRNA.	Mme-M200001213	ILMN_1258526	1	0
16866	Lhb	2.040	-0.191	-0.545	1	0	-1	1	0	-1	NM_008497	luteinizing hormone beta (Lhb), mRNA.	Mme-M400002104	ILMN_2589011	1	1
269629	Lhfpl3	-0.112	0.060	0.610	0	0	1	0	0	1	NM_001081231	lipoma HMGIC fusion partner-like 3 (Lhfpl3), mRNA.	Mme-M400006300	ILMN_1251250	1	0

Entrez_GeneID	Gene_symbol	gIngly_423	gIngly_616	gIngly_921	z3gInsly_signed_423	z3gInsly_signed_616	z3gInsly_signed_921	z4gInsly_signed_423	z4gInsly_signed_616	z4gInsly_signed_921	RefSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
67717	Lipf	0.853	-0.723	0.570	1	-1	1	0	-1	1	NM_026334	lipase, gastric (Lipf), mRNA.	Mme-M300004305	ILMN_2863532	1	1
93677	Lmod2	1.045	0.004	0.045	1	0	0	1	0	0	NM_053098	leiomodin 2 (cardiac) (Lmod2), mRNA.	Mme-M200005624	ILMN_1258528	1	0
16956	Lpl	1.521	-0.428	-0.283	1	-1	0	1	0	0	NM_008509	lipoprotein lipase (Lpl), mRNA.	Mme-M300001423	ILMN_2692723	1	0
17069	Ly6e	0.394	0.879	0.186	0	1	0	0	1	0	NM_008529	lymphocyte antigen 6 complex, locus E (Ly6e), mRNA.	Mme-M200000279	ILMN_2776278	1	0
17084	Ly86	0.322	0.460	0.411	0	1	1	0	0	1	NM_010745	lymphocyte antigen 86 (Ly86), mRNA.	Mme-M300002751	ILMN_2671923	1	0
17189	Mb	2.777	-0.370	-1.164	1	0	-1	1	0	-1	NM_013593	myoglobin (Mb), mRNA.	Mme-M300001745	ILMN_2954987	1	1
216760	Mfap3	-0.027	0.602	0.072	0	1	0	0	1	0	NM_180599	microfibrillar-associated protein 3 (Mfap3), transcript variant 2, mRNA.	Mme-M200006966	ILMN_2686125	1	0
76293	Mfap4	1.023	0.275	-0.186	1	0	0	1	0	0	NM_029568	microfibrillar-associated protein 4 (Mfap4), mRNA.	Mme-M200006465	ILMN_2633350	1	0
12587	Mia	1.437	-0.479	-0.631	1	-1	-1	1	0	-1	NM_019394	melanoma inhibitory activity 1 (Mia1), mRNA.	Mme-M400006241	ILMN_2777087	1	1
17345	Mki67	0.088	0.547	0.496	0	1	1	0	0	1	NM_001081117	antigen identified by monoclonal antibody Ki 67 (Mki67), mRNA.	Mme-M200001580	ILMN_2740902	1	0
74568	Mlkl	0.335	0.601	0.072	0	1	0	0	1	0	NM_029005	mixed lineage kinase domain-like (Mlkl), mRNA.	Mme-M300001182	ILMN_3006767	1	0
17386	Mmp13	1.165	0.506	-0.188	1	1	0	1	0	0	NM_008607	matrix metallopeptidase 13 (Mmp13), mRNA.	Mme-M200002096	ILMN_2737685	1	0
17523	Mpo	0.293	0.749	0.353	0	1	1	0	1	0	NM_010824	myeloperoxidase (Mpo), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001877	ILMN_2600421	1	0
68774	Ms4a6d	0.218	0.581	0.340	0	1	1	0	1	0	NM_026835	membrane-spanning 4-domains, subfamily A, member 6D (Ms4a6d), mRNA.	Mme-M400000771	ILMN_2602352	1	0
233199	Mybpc2	1.853	0.316	-0.565	1	0	-1	1	0	-1	NM_146189	myosin binding protein C, fast-type (Mybpc2), mRNA.	Mme-M300011700	ILMN_2676012	1	1
17879	Myh1	2.614	0.074	-1.084	1	0	-1	1	0	-1	NM_030679	myosin, heavy polypeptide 1, skeletal muscle, adult (Myh1), mRNA.	Mme-M300008632	ILMN_2865744	1	1
17882	Myh2	3.041	-0.184	-0.412	1	0	-1	1	0	-1	NM_001039545	myosin, heavy polypeptide 2, skeletal muscle, adult (Myh2), mRNA.	Mme-M200007574	ILMN_1219423	1	1
17884	Myh4	2.896	0.423	0.283	1	1	0	1	0	0	NM_010855	myosin, heavy polypeptide 4, skeletal muscle (Myh4), mRNA.	Mme-M300008631	ILMN_1241214	1	0
17901	Myl1	2.999	-0.317	-0.776	1	0	-1	1	0	-1	NM_001113387	myosin, light polypeptide 1 (Myl1), transcript variant 3f, mRNA.	Mme-M200000366	ILMN_1216602	1	1
17907	Mylpf	3.062	0.240	-0.835	1	0	-1	1	0	-1	NM_016754	myosin light chain, phosphorylatable, fast skeletal muscle (Mylpf), mRNA.	Mme-M200003319	ILMN_2977331	1	1
17929	Myom1	1.362	0.257	-0.200	1	0	0	1	0	0	NM_001083934	myomesin 1 (Myom1), transcript variant 2, mRNA.	Mme-M400009054	ILMN_2815138	1	0
58916	Myot	1.129	0.438	-0.192	1	1	0	1	0	0	NM_001033621	myotilin (Myot), mRNA.	Mme-M200009483	ILMN_2444217	1	0
59011	Myoz1	1.858	0.386	-0.419	1	0	-1	1	0	-1	NM_021508	myozenin 1 (Myoz1), mRNA.	Mme-M400011399	ILMN_2615250	1	1
320713	Mysm1	0.166	-0.205	0.645	0	0	1	0	0	1	NM_177239	myb-like, SWIRM and MPN domains 1 (Mysm1), mRNA.	Mme-M400018711	ILMN_3119954	1	0
17968	Ncam2	0.029	-0.032	0.495	0	0	1	0	0	1	NM_010954	neural cell adhesion molecule 2 (Ncam2), transcript variant 2, mRNA.	Mme-M300003487	ILMN_2737666	1	0
17996	Neb	1.636	0.061	0.014	1	0	0	1	0	0	NM_010889	nebulin (Neb), mRNA.	Mme-M300005399	ILMN_1235161	1	0
18054	Ngp	0.445	0.497	0.415	0	1	1	0	0	1	NM_008694	neutrophilic granule protein (Ngp), mRNA.	Mme-M200001075	ILMN_1228832	1	0
72310	Nkg7	0.382	0.611	0.379	0	1	1	0	1	0	NM_024253	natural killer cell group 7 sequence (Nkg7), mRNA.	Mme-M200007620	ILMN_1217855	1	0
109648	Npy	0.291	0.687	0.074	0	1	0	0	1	0	NM_023456	neuropeptide Y (Npy), mRNA.	Mme-M200009798	ILMN_2946520	1	0
108907	Nusap1	-0.069	0.175	0.433	0	0	1	0	0	1	NM_001042652	nucleolar and spindle associated protein 1 (Nusap1), transcript variant 2, mRNA.	Mme-M300005573	ILMN_2653765	1	0
23962	Oasl2	0.136	0.776	0.328	0	1	1	0	1	0	NM_011854	2'-5' oligoadenylate synthetase-like 2 (Oasl2), mRNA.	Mme-M300006738	ILMN_2599154	1	0
99031	Osbpl6	-0.018	-0.306	0.756	0	0	1	0	0	1	NM_145525	oxysterol binding protein-like 6 (Osbpl6), mRNA.	Mme-M200003034	ILMN_1221789	1	0
547253	Parp14	0.520	0.732	0.177	0	1	0	0	1	0	NM_001039530	poly (ADP-ribose) polymerase family, member 14 (Parp14), mRNA.	Mme-M300009340	ILMN_2825803	1	0
66425	Pcp4l1	-0.019	0.234	0.698	0	0	1	0	0	1	NM_025557	Purkinje cell protein 4-like 1 (Pcp4l1), mRNA.	Mme-M200005807	ILMN_1218127	1	0
18574	Pde1b	0.337	0.621	-0.043	0	1	0	0	1	0	NM_008800	phosphodiesterase 1B, Ca2+-calmodulin dependent (Pde1b), mRNA.	Mme-M200000021	ILMN_2730293	1	0
74183	Perm1	1.143	0.177	-0.154	1	0	0	1	0	0	NM_172417	RIKEN cDNA 2310042D19 gene (2310042D19Rik), mRNA.	Mme-M200004950	ILMN_2957987	1	0
56012	Pgam2	2.027	0.341	-0.280	1	0	0	1	0	0	NM_018870	phosphoglycerate mutase 2 (Pgam2), mRNA.	Mme-M200013095	ILMN_2588815	1	0
18729	Pira6	-0.145	0.608	0.111	0	1	0	0	1	0	NM_008848	paired-Ig-like receptor A6 (Pira6), transcript variant 1, mRNA.	Mme-M400010865	ILMN_3152792	1	0
231507	Plac8	0.484	0.952	0.331	0	1	1	0	1	0	NM_139198	placenta-specific 8 (Plac8), mRNA.	Mme-M200007618	ILMN_2988143	1	0
243743	Plxna4	-0.186	-0.231	0.515	0	0	1	0	0	1	NM_175750	plexin A4 (Plxna4), mRNA.	Mme-M300006856	ILMN_2520582	1	0
18976	Pomc	2.059	-1.547	-0.841	1	-1	-1	1	-1	-1	NM_008895	pro-opiomelanocortin-alpha (Pomc), mRNA.	Mme-M200004240	ILMN_2745802	1	2
19017	Ppargc1a	0.240	-0.163	0.664	0	0	1	0	0	1	NM_008904	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha (Ppargc1a), mRNA.	Mme-M200002972	ILMN_2710139	1	0
226562	Prrc2c	0.216	-0.170	0.487	0	0	1	0	0	1	NM_001081290	BAT2 domain containing 1 (Bat2d), mRNA.	Mme-M200006979	ILMN_1241229	1	0
19171	Psmb10	0.556	0.771	0.245	0	1	0	0	1	0	NM_013640	proteasome (prosome, macropain) subunit, beta type 10 (Psmb10), mRNA.	Mme-M200000278	ILMN_2757870	1	0
19229	Ptk2b	0.137	0.577	-0.039	0	1	0	0	1	0	NM_172498	PTK2 protein tyrosine kinase 2 beta (Ptk2b), mRNA.	Mme-M300003077	ILMN_1230007	1	0
19309	Pygm	1.537	0.534	-0.107	1	1	0	1	0	0	NM_011224	muscle glycogen phosphorylase (Pygm), mRNA.	Mme-M200005709	ILMN_1220498	1	0
19417	Rasgrf1	0.474	0.754	-0.094	0	1	0	0	1	0	NM_011245	RAS protein-specific guanine nucleotide-releasing factor 1 (Rasgrf1), transcript variant 1, mRNA.	Mme-M200006730	ILMN_3132050	1	0
12421	Rb1cc1	0.034	-0.137	0.470	0	0	1	0	0	1	NM_009826	RB1-inducible coiled-coil 1 (Rb1cc1), mRNA.	Mme-M200009355	ILMN_2525034	1	0
245195	Retnlg	-0.068	0.343	0.422	0	0	1	0	0	1	NM_181596	resistin like gamma (Retnlg), mRNA.	Mme-M400000596	ILMN_2656504	1	0
67664	Rnf125	0.058	-0.323	0.416	0	0	1	0	0	1	NM_026301	ring finger protein 125 (Rnf125), mRNA.	Mme-M200014355	ILMN_2917338	1	0
77733	Rnf170	-0.083	-0.186	0.460	0	0	1	0	0	1	NM_029965	ring finger protein 170 (Rnf170), mRNA.	Mme-M400000201	ILMN_2481836	1	0
66211	Rpl3l	1.480	0.201	-0.508	1	0	-1	1	0	-1	NM_025425	ribosomal protein L3-like (Rpl3l), mRNA.	Mme-M200014433	ILMN_2649810	1	1
104582	Rprml	0.359	0.634	-0.085	0	1	0	0	1	0	NM_001033212	reprimo-like (Rprml), mRNA.	Mme-M400003133	ILMN_2968147	1	0
20190	Ryr1	1.347	0.531	-0.529	1	1	-1	1	0	-1	NM_009109	ryanodine receptor 1, skeletal muscle (Ryr1), mRNA.	Mme-M200001790	ILMN_2733073	1	1
20201	S100a8	0.219	0.009	0.411	0	0	1	0	0	1	NM_013650	S100 calcium binding protein A8 (calgranulin A) (S100a8), mRNA.	Mme-M200004160	ILMN_2710905	1	0
20202	S100a9	0.539	0.422	0.435	0	1	1	0	0	1	NM_009114	S100 calcium binding protein A9 (calgranulin B) (S100a9), mRNA.	Mme-M200000809	ILMN_2803674	1	0
20210	Saa3	0.757	0.690	0.332	1	1	1	0	0	1	NM_011315	serum amyloid A 3 (Saa3), mRNA.	Mme-M200003295	ILMN_2772632	1	0
56045	Samhd1	0.649	0.683	0.359	0	1	1	0	1	0	NM_018851	SAM domain and HD domain, 1 (Samhd1), mRNA.	Mme-M200012660	ILMN_1221736	1	0
327957	Scimp	0.250	0.637	0.152	0	1	0	0	1	0	NM_001045526	RIKEN cDNA A430084P05 gene (A430084P05Rik), mRNA.	Mme-M400005785	ILMN_2847437	1	0
20265	Scn1a	-0.272	-0.395	1.093	0	0	1	0	0	1	NM_018733	sodium channel, voltage-gated, type I, alpha (Scn1a), mRNA.	Mme-M400000981	ILMN_2762701	1	0
20287	Sct	-0.011	0.837	0.250	0	1	0	0	1	0	NM_011328	secretin (Sct), mRNA.	Mme-M200001916	ILMN_2592834	1	0
209588	Sectm1a	0.160	0.619	0.088	0	1	0	0	1	0	NM_145373	secreted and transmembrane 1A (Sectm1a), mRNA.	Mme-M200015271	ILMN_2656107	1	0
20343	Sell	0.211	0.849	0.276	0	1	0	0	1	0	NM_011346	selectin, lymphocyte (Sell), mRNA.	Mme-M400000946	ILMN_3009860	1	0
238393	Serpina3f	-0.310	0.725	0.229	0	1	0	0	1	0	NM_001033335	serine (or cysteine) peptidase inhibitor, clade A, member 3F (Serpina3f), mRNA.	Mme-M400002502	ILMN_2742861	1	0
12258	Serping1	0.348	0.615	0.171	0	1	0	0	1	0	NM_009776	serine (or cysteine) peptidase inhibitor, clade G, member 1 (Serping1), mRNA.	Mme-M200008133	ILMN_2775421	1	0
20319	Sfrp2	1.247	0.147	0.055	1	0	0	1	0	0	NM_009144	secreted frizzled-related protein 2 (Sfrp2), mRNA.	Mme-M400010896	ILMN_1214602	1	0
18173	Slc11a1	-0.271	0.639	0.234	0	1	0	0	1	0	NM_013612	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1 (Slc11a1), mRNA.	Mme-M200001107	ILMN_2983516	1	0
65221	Slc15a3	0.109	0.580	0.298	0	1	0	0	1	0	NM_023044	solute carrier family 15, member 3 (Slc15a3), mRNA.	Mme-M300004285	ILMN_2987709	1	0
20511	Slc1a2	0.613	0.578	0.132	0	1	0	0	1	0	NM_001077515	solute carrier family 1 (glial high affinity glutamate transporter), member 2 (Slc1a2), transcript variant 2, mRNA.	Mme-M300000636	ILMN_3123195	1	0
20528	Slc2a4	1.530	0.195	-0.055	1	0	0	1	0	0	NM_009204	solute carrier family 2 (facilitated glucose transporter), member 4 (Slc2a4), mRNA.	Mme-M200002952	ILMN_1222333	1	0
22348	Slc32a1	0.441	1.651	-0.232	0	1	0	0	1	0	NM_009508	solute carrier family 32 (GABA vesicular transporter), member 1 (Slc32a1), mRNA.	Mme-M200002547	ILMN_1234259	1	0
20555	Slfn1	0.055	0.569	0.177	0	1	0	0	1	0	NM_011407	schlafen 1 (Slfn1), mRNA.	Mme-M200003017	ILMN_2663930	1	0
66106	Smpx	1.075	0.056	0.125	1	0	0	1	0	0	NM_025357	small muscle protein, X-linked (Smpx), mRNA.	Mme-M200009295	ILMN_2591308	1	0
12180	Smyd1	0.973	-0.002	-0.104	1	0	0	1	0	0	NM_009762	SET and MYND domain containing 1 (Smyd1), mRNA.	Mme-M400005021	ILMN_2647605	1	0
216233	Socs2	0.133	-0.178	0.581	0	0	1	0	0	1	NM_007706	suppressor of cytokine signaling 2 (Socs2), mRNA.	Mme-M200001605	ILMN_2628178	1	0
106393	Srl	1.534	0.452	-0.218	1	1	0	1	0	0	NM_175347	sarcalumenin (Srl), mRNA.	Mme-M300003329	ILMN_2635122	1	0
20604	Sst	0.341	0.615	0.106	0	1	0	0	1	0	NM_009215	somatostatin (Sst), mRNA.	Mme-M200000929	ILMN_2729826	1	0
20847	Stat2	0.172	0.662	0.301	0	1	0	0	1	0	NM_019963	signal transducer and activator of transcription 2 (Stat2), mRNA.	Mme-M200004256	ILMN_2657822	1	0
20849	Stat4	-0.003	0.566	0.228	0	1	0	0	1	0	NM_011487	signal transducer and activator of transcription 4 (Stat4), mRNA.	Mme-M200000628	ILMN_1236059	1	0
29819	Stau2	0.012	-0.099	0.516	0	0	1	0	0	1	NM_025303	staufen (RNA binding protein) homolog 2 (Drosophila) (Stau2), transcript variant 3, mRNA.	Mme-M200013614	ILMN_2741249	1	0
233335	Synm	-0.061	-0.261	0.556	0	0	1	0	0	1	NM_183312	desmuslin (Dmn), transcript variant 3, mRNA.	Mme-M400007372	ILMN_1214880	1	0
21354	Tap1	0.505	0.984	0.317	0	1	1	0	1	0	NM_013683	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (Tap1), mRNA.	Mme-M200003417	ILMN_1250409	1	0
21356	Tapbp	0.546	0.569	0.138	0	1	0	0	1	0	NM_009318	TAP binding protein (Tapbp), transcript variant 2, mRNA.	Mme-M300004057	ILMN_1226819	1	0
213233	Tapbpl	0.555	0.624	0.126	0	1	0	0	1	0	NM_145391	TAP binding protein-like (Tapbpl), mRNA.	Mme-M300011427	ILMN_2974611	1	0
52463	Tet1	-0.124	-0.045	0.554	0	0	1	0	0	1	XM_125673	PREDICTED: CXXC finger 6, transcript variant 1 (Cxxc6), mRNA.	Mme-M200011682	ILMN_2598232	1	0
207596	Thsd4	0.216	-0.515	1.652	0	-1	1	0	0	1	NM_172444	thrombospondin, type I, domain containing 4 (Thsd4), transcript variant 2, mRNA.	Mme-M300008166	ILMN_1235124	1	0
21857	Timp1	0.788	0.641	0.061	1	1	0	0	1	0	NM_011593	tissue inhibitor of metalloproteinase 1 (Timp1), transcript variant 2, mRNA.	Mme-M300000154	ILMN_3103896	1	0
66167	Tma7	0.076	-0.144	0.437	0	0	1	0	0	1	NM_183250	coiled-coil domain containing 72 (Ccdc72), mRNA.	Mme-M400012547	ILMN_2669699	1	0
320208	Tmem91	-0.290	0.698	-0.051	0	1	0	0	1	0	NM_177102	transmembrane protein 91 (Tmem91), mRNA.	Mme-M300018487	ILMN_2739111	1	0
50874	Tmod4	0.944	0.340	-0.231	1	0	0	1	0	0	NM_016712	tropomodulin 4 (Tmod4), mRNA.	Mme-M300000704	ILMN_1519313	1	0
21923	Tnc	-0.081	0.671	0.099	0	1	0	0	1	0	NM_011607	tenascin C (Tnc), mRNA.	Mme-M400001084	ILMN_1236724	1	0
21926	Tnf	-0.025	0.608	0.208	0	1	0	0	1	0	NM_013693	tumor necrosis factor (Tnf), mRNA.	Mme-M200000495	ILMN_2899863	1	0
21928	Tnfaip2	0.196	1.124	0.282	0	1	0	0	1	0	NM_009396	tumor necrosis factor, alpha-induced protein 2 (Tnfaip2), mRNA.	Mme-M200001695	ILMN_2841289	1	0
21936	Tnfrsf18	0.051	0.657	0.241	0	1	0	0	1	0	NM_009400	tumor necrosis factor receptor superfamily, member 18 (Tnfrsf18), transcript variant 1, mRNA.	Mme-M300013439	ILMN_2419494	1	0
21925	Tnnc2	2.706	-0.011	-1.003	1	0	-1	1	0	-1	NM_009394	troponin C2, fast (Tnnc2), mRNA.	Mme-M400000269	ILMN_2882658	1	1
21953	Tnni2	1.639	-0.036	-0.963	1	0	-1	1	0	-1	NM_009405	troponin I, skeletal, fast 2 (Tnni2), mRNA.	Mme-M200008191	ILMN_2481133	1	1
21957	Tnnt3	3.222	0.198	-0.693	1	0	-1	1	0	-1	NM_011620	troponin T3, skeletal, fast (Tnnt3), mRNA.	Mme-M300001729	ILMN_2469018	1	1
22003	Tpm1	0.917	0.133	0.068	1	0	0	1	0	0	NM_024427	tropomyosin 1, alpha (Tpm1), mRNA.	Mme-M300008225	ILMN_2518346	1	0
22004	Tpm2	1.402	0.364	-0.640	1	0	-1	1	0	-1	NM_009416	tropomyosin 2, beta (Tpm2), mRNA.	Mme-M300006106	ILMN_2482209	1	1
231712	Trafd1	0.322	0.619	0.127	0	1	0	0	1	0	NM_172275	TRAF type zinc finger domain containing 1 (Trafd1), mRNA.	Mme-M200003923	ILMN_1223395	1	0
76757	Trdn	1.093	0.053	0.055	1	0	0	1	0	0	XM_483890	PREDICTED: triadin (Trdn), mRNA.	Mme-M400002275	ILMN_2521511	1	0
94094	Trim34a	0.168	0.634	0.277	0	1	0	0	1	0	NM_030684	tripartite motif-containing 34 (Trim34), mRNA.	Mme-M400001318	ILMN_2504717	1	0
58522	Trim54	1.070	0.323	0.057	1	0	0	1	0	0	NM_021447	tripartite motif-containing 54 (Trim54), mRNA.	Mme-M400007670	ILMN_2756950	1	0
22138	Ttn	2.653	0.266	-0.564	1	0	-1	1	0	-1	NM_028004	titin (Ttn), transcript variant N2-B, mRNA.	Mme-M200014444	ILMN_3128792	1	1
22139	Ttr	1.077	-0.193	-2.017	1	0	-1	1	0	-1	NM_013697	transthyretin (Ttr), mRNA.	Mme-M200000802	ILMN_2443330	1	1
67958	U2surp	0.116	-0.139	0.417	0	0	1	0	0	1	NM_026476	RIKEN cDNA 2610101N10 gene (2610101N10Rik), transcript variant 2, mRNA.	Mme-M400001462	ILMN_2719131	1	0
56791	Ube2l6	0.319	0.629	0.239	0	1	0	0	1	0	NM_019949	ubiquitin-conjugating enzyme E2L 6 (Ube2l6), mRNA.	Mme-M400011348	ILMN_2431619	1	0
217379	Ubxn2a	0.176	-0.203	0.446	0	0	1	0	0	1	NM_145441	UBX domain containing 4 (Ubxd4), mRNA.	Mme-M200008309	ILMN_2510683	1	0
18140	Uhrf1	0.108	0.359	0.469	0	0	1	0	0	1	NM_001111080	ubiquitin-like, containing PHD and RING finger domains, 1 (Uhrf1), transcript variant 4, mRNA.	Mme-M300000168	ILMN_2517041	1	0
217012	Unc45b	0.958	0.422	-0.195	1	1	0	1	0	0	NM_178680	unc-45 homolog B (C. elegans) (Unc45b), mRNA.	Mme-M400000307	ILMN_2732747	1	0
72046	Urgcp	0.167	-0.098	0.641	0	0	1	0	0	1	NM_178623	RIKEN cDNA 2010005J08 gene (2010005J08Rik), transcript variant 1, mRNA.	Mme-M300020416	ILMN_1219459	1	0
24110	Usp18	0.371	0.775	0.353	0	1	1	0	1	0	NM_011909	ubiquitin specific peptidase 18 (Usp18), mRNA.	Mme-M200005576	ILMN_2433990	1	0
22329	Vcam1	0.458	0.441	0.448	0	1	1	0	0	1	NM_011693	vascular cell adhesion molecule 1 (Vcam1), mRNA.	Mme-M200000376	ILMN_2778655	1	0
215031	Vgll2	1.002	0.158	-0.104	1	0	0	1	0	0	NM_153786	vestigial like 2 homolog (Drosophila) (Vgll2), mRNA.	Mme-M300020380	ILMN_2495753	1	0
67048	Vma21	0.305	-0.087	0.461	0	0	1	0	0	1	NM_001081356	RIKEN cDNA 2610030H06 gene (2610030H06Rik), mRNA.	Mme-M400009739	ILMN_2521738	1	0
22375	Wars	0.576	0.633	0.122	0	1	0	0	1	0	NM_011710	tryptophanyl-tRNA synthetase (Wars), mRNA.	Mme-M300002655	ILMN_3156343	1	0
14038	Wfdc18	0.579	0.004	0.641	0	0	1	0	0	1	NM_007969	Kallmann syndrome 1 sequence (human) (Kal1), mRNA.	Mme-M200000663	ILMN_1239717	1	0
327959	Xaf1	0.486	0.616	0.191	0	1	0	0	1	0	NM_001037713	XIAP associated factor 1 (Xaf1), mRNA.	Mme-M300012693	ILMN_2534207	1	0
16963	Xcl1	0.094	0.751	0.145	0	1	0	0	1	0	NM_008510	chemokine (C motif) ligand 1 (Xcl1), mRNA.	Mme-M200000068	ILMN_2948552	1	0
22436	Xdh	0.468	0.648	0.068	0	1	0	0	1	0	NM_011723	xanthine dehydrogenase (Xdh), mRNA.	Mme-M300003896	ILMN_1239055	1	0
241431	Xirp2	1.306	0.197	-0.432	1	0	-1	1	0	-1	NM_001024618	xin actin-binding repeat containing 2 (Xirp2), transcript variant 1, mRNA.	Mme-M400000984	ILMN_2497657	1	1
16969	Zbtb7a	0.262	-0.356	1.564	0	0	1	0	0	1	NM_010731	zinc finger and BTB domain containing 7a (Zbtb7a), mRNA.	Mme-M200004004	ILMN_1248181	1	0
235047	Zfp809	0.093	-0.087	0.437	0	0	1	0	0	1	NM_172763	zinc finger protein 809 (Zfp809), mRNA.	Mme-M300008138	ILMN_2651359	1	0
328365	Zmiz1	0.191	0.130	0.718	0	0	1	0	0	1	NM_183208	zinc finger, MIZ-type containing 1 (Zmiz1), mRNA.	Mme-M300000922	ILMN_1224736	1	0

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
104158	Ces1d	-0.117	-1.461	-1.034	0	-1	-1	0	-1	-1	NM_053200	carboxylesterase 3 (Ces3), mRNA.	Mme-M300007865	ILMN_2625893	0	2
18976	Pomc	2.059	-1.547	-0.841	1	-1	-1	1	-1	-1	NM_008895	pro-opiomelanocortin-alpha (Pomc), mRNA.	Mme-M200004240	ILMN_2745802	1	2
231832	Tmem184a	0.551	-1.994	-0.416	0	-1	-1	0	-1	-1	NM_144914	transmembrane protein 184a (Tmem184a), mRNA.	Mme-M200014552	ILMN_2894396	0	2

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
229722	5330417C22Rik	0.040	-0.141	-0.748	0	0	-1	0	0	-1	NM_001033304	RIKEN cDNA 5330417C22 gene (5330417C22Rik), mRNA.	Mme-M400003940	ILMN_3160472	0	1
70487	5730403I07Rik	0.166	-0.621	-0.170	0	-1	0	0	-1	0	XM_001004179	PREDICTED: RIKEN cDNA 5730403I07 gene (5730403I07Rik), mRNA.	Mme-M400013390	ILMN_1245939	0	1
381572	9430007A20Rik	0.139	-0.862	-0.010	0	-1	0	0	-1	0	NM_198662	RIKEN cDNA 9430007A20 gene (9430007A20Rik), mRNA.	Mme-M300006178	ILMN_2723726	0	1
11459	Acta1	1.866	-0.319	-1.211	1	0	-1	1	0	-1	NM_009606	actin, alpha 1, skeletal muscle (Acta1), mRNA.	Mme-M200013335	ILMN_2738825	1	1
11475	Acta2	1.023	-0.821	-0.078	1	-1	0	1	-1	0	NM_007392	actin, alpha 2, smooth muscle, aorta (Acta2), mRNA.	Mme-M300010088	ILMN_2693895	1	1
11461	Actb	-0.076	0.267	-0.835	0	0	-1	0	0	-1	NM_007393	actin, beta, cytoplasmic (Actb), mRNA.	Mme-M200000105	ILMN_1377923	0	1
11472	Actn2	2.054	0.390	-0.563	1	0	-1	1	0	-1	NM_033268	actinin alpha 2 (Actn2), mRNA.	Mme-M400004095	ILMN_2764727	1	1
246747	Adig	-0.167	-0.624	-0.152	0	-1	0	0	-1	0	NM_145635	cDNA sequence BC054059 (BC054059), mRNA.	Mme-M400011911	ILMN_2692644	0	1
244886	AI118078	-0.025	0.123	-0.446	0	0	-1	0	0	-1	NM_172923	expressed sequence AI118078 (AI118078), mRNA.	Mme-M300008185	ILMN_2604835	0	1
330941	AI593442	-0.331	0.317	-0.464	0	0	-1	0	0	-1	NM_178906	expressed sequence AI593442 (AI593442), transcript variant 2, mRNA.	Mme-M400004259	ILMN_2654624	0	1
621603	Aldh3b2	-0.205	-0.660	-0.058	0	-1	0	0	-1	0	XM_129134	PREDICTED: aldehyde dehydrogenase 3 family, member B2 (Aldh3b2), mRNA.	Mme-M400001994	ILMN_2746937	0	1
106585	Ankrd12	-0.057	-0.602	0.313	0	-1	1	0	-1	0	NM_001025572	ankyrin repeat domain 12 (Ankrd12), mRNA.	Mme-M300009458	ILMN_3151492	0	1
213043	Aox2	-0.021	-0.746	-0.059	0	-1	0	0	-1	0	NM_001008419	aldehyde oxidase 3-like 1 (Aox3l1), mRNA.	Mme-M400006543	ILMN_3162470	0	1
71724	Aox3	0.125	-0.615	-0.106	0	-1	0	0	-1	0	NM_023617	aldehyde oxidase 3 (Aox3), mRNA.	Mme-M200003810	ILMN_2640097	0	1
11812	Apoc1	0.030	-0.723	0.055	0	-1	0	0	-1	0	NM_001110009	apolipoprotein C-I (Apoc1), transcript variant 2, mRNA.	Mme-M200012091	ILMN_1228469	0	1
11828	Aqp3	-0.175	-0.608	0.009	0	-1	0	0	-1	0	NM_016689	aquaporin 3 (Aqp3), mRNA.	Mme-M300006088	ILMN_2991272	0	1
11833	Aqp8	-0.695	-1.390	0.059	-1	-1	0	0	-1	0	NM_001109045	aquaporin 8 (Aqp8), transcript variant 2, mRNA.	Mme-M200002841	ILMN_2756379	0	1
11937	Atp2a1	2.744	-0.362	-0.590	1	0	-1	1	0	-1	NM_007504	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 (Atp2a1), mRNA.	Mme-M200007718	ILMN_2666864	1	1
11998	Avp	0.007	-0.954	-0.068	0	-1	0	0	-1	0	NM_009732	arginine vasopressin (Avp), mRNA.	Mme-M200002300	ILMN_2710928	0	1
210321	BC048679	0.082	-2.249	-0.026	0	-1	0	0	-1	0	NM_183143	cDNA sequence BC048679 (BC048679), mRNA.	Mme-M400007578	ILMN_2815651	0	1
406217	Bex4	0.011	0.131	-0.449	0	0	-1	0	0	-1	NM_212457	brain expressed gene 4 (Bex4), mRNA.	Mme-M300018671	ILMN_3118584	0	1
17341	Bhlha15	-0.288	0.158	-0.427	0	0	-1	0	0	-1	NM_010800	basic helix-loop-helix domain containing, class B, 8 (Bhlhb8), mRNA.	Mme-M400004057	ILMN_2651389	0	1
228801	Bpifb1	0.715	-0.731	0.563	1	-1	1	0	-1	1	NM_153418	cDNA sequence U46068 (U46068), transcript variant 2, mRNA.	Mme-M200001451	ILMN_2493371	1	1
378700	Bpifb3	0.676	-0.782	-0.031	1	-1	0	0	-1	0	NM_194357	antimicrobial peptide RYA3 (Rya3), mRNA.	Mme-M400012567	ILMN_2654377	0	1
381399	Bpifb4	-0.854	-0.973	-0.070	-1	-1	0	0	-1	0	NM_001034875	gene model 1006, (NCBI) (Gm1006), mRNA.	Mme-M400002636	ILMN_2781850	0	1
228796	Bpifb6	-0.137	-0.884	-0.095	0	-1	0	0	-1	0	NM_199303	bactericidal/permeability-increasing protein-like 3 (Bpil3), mRNA.	Mme-M400012598	ILMN_2690657	0	1
71425	Bpifb9a	-0.094	-0.755	-0.050	0	-1	0	0	-1	0	NM_175167	RIKEN cDNA 4833413D08 gene (4833413D08Rik), mRNA.	Mme-M400005521	ILMN_2754614	0	1
226359	C1ql2	0.385	0.290	-0.448	0	0	-1	0	0	-1	NM_207233	complement component 1, q subcomponent-like 2 (C1ql2), mRNA.	Mme-M300010614	ILMN_2671473	0	1
76459	Car12	0.114	0.073	-0.796	0	0	-1	0	0	-1	NM_178396	carbonic anyhydrase 12 (Car12), mRNA.	Mme-M200004118	ILMN_1251713	0	1
12409	Cbr2	0.741	-0.953	-0.221	1	-1	0	0	-1	0	NM_007621	carbonyl reductase 2 (Cbr2), mRNA.	Mme-M200004133	ILMN_2756665	0	1
12444	Ccnd2	0.642	0.227	-0.467	0	0	-1	0	0	-1	NM_009829	cyclin D2 (Ccnd2), mRNA.	Mme-M200001209	ILMN_2700166	0	1
72972	Ccser2	-0.058	-0.029	-0.576	0	0	-1	0	0	-1	NM_027045	granule cell antiserum positive 14 (Gcap14), transcript variant 1, mRNA.	Mme-M400000513	ILMN_1224992	0	1
17221	Cd46	-0.997	0.002	0.107	-1	0	0	-1	0	0	NM_010778	CD46 antigen, complement regulatory protein (Cd46), mRNA.	Mme-M200003165	ILMN_2729316	0	1
67260	Cers4	-0.010	-0.590	0.097	0	-1	0	0	-1	0	NM_026058	LAG1 homolog, ceramide synthase 4 (Lass4), mRNA.	Mme-M200007760	ILMN_2880467	0	1
11537	Cfd	0.499	0.606	-0.989	0	1	-1	0	1	-1	NM_013459	complement factor D (adipsin) (Cfd), mRNA.	Mme-M300002011	ILMN_2835423	1	1
12640	Cga	2.314	-0.736	-0.397	1	-1	-1	1	-1	0	NM_009889	glycoprotein hormones, alpha subunit (Cga), mRNA.	Mme-M300006037	ILMN_2770220	1	1
12653	Chgb	0.912	0.313	-0.550	1	0	-1	1	0	-1	NM_007694	chromogranin B (Chgb), mRNA.	Mme-M200000516	ILMN_2679377	1	1
12683	Cidea	0.073	-0.403	-0.443	0	0	-1	0	0	-1	NM_007702	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A (Cidea), mRNA.	Mme-M200000166	ILMN_1215446	0	1
12715	Ckm	2.383	0.038	-0.760	1	0	-1	1	0	-1	NM_007710	creatine kinase, muscle (Ckm), mRNA.	Mme-M200000890	ILMN_2608804	1	1
76722	Ckmt2	2.752	0.108	-0.598	1	0	-1	1	0	-1	NM_198415	creatine kinase, mitochondrial 2 (Ckmt2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M300002865	ILMN_2698052	1	1
209195	Clic6	0.206	-0.203	-0.638	0	0	-1	0	0	-1	NM_172469	chloride intracellular channel 6 (Clic6), mRNA.	Mme-M300003597	ILMN_2667635	0	1
12862	Cox6a2	2.170	0.287	-0.520	1	0	-1	1	0	-1	NM_009943	cytochrome c oxidase, subunit VI a, polypeptide 2 (Cox6a2), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200014014	ILMN_2629581	1	1
12865	Cox7a1	1.892	0.150	-0.430	1	0	-1	1	0	-1	NM_009944	cytochrome c oxidase, subunit VIIa 1 (Cox7a1), mRNA.	Mme-M400010990	ILMN_1240857	1	1
12869	Cox8b	2.039	-0.439	-0.830	1	-1	-1	1	0	-1	NM_007751	cytochrome c oxidase, subunit VIIIb (Cox8b), nuclear gene encoding mitochondrial protein, mRNA.	Mme-M200001471	ILMN_2727520	1	1
12890	Cplx2	-0.076	0.171	-0.537	0	0	-1	0	0	-1	NM_009946	complexin 2 (Cplx2), mRNA.	Mme-M300004820	ILMN_1238436	0	1
114886	Cygb	0.032	-0.096	-0.405	0	0	-1	0	0	-1	NM_030206	cytoglobin (Cygb), mRNA.	Mme-M200007615	ILMN_2801891	0	1
13077	Cyp1a2	0.397	-0.638	-0.071	0	-1	0	0	-1	0	NM_009993	cytochrome P450, family 1, subfamily a, polypeptide 2 (Cyp1a2), mRNA.	Mme-M200003380	ILMN_2739847	0	1
13087	Cyp2a5	0.734	-1.684	-0.214	1	-1	0	0	-1	0	NM_007812	cytochrome P450, family 2, subfamily a, polypeptide 5 (Cyp2a5), mRNA.	Mme-M400010760	ILMN_3159131	0	1
13088	Cyp2b10	-0.050	-0.630	0.005	0	-1	0	0	-1	0	NM_009999	cytochrome P450, family 2, subfamily b, polypeptide 10 (Cyp2b10), transcript variant 2, mRNA.	Mme-M300007265	ILMN_2594926	0	1
13090	Cyp2b19	0.104	-0.975	0.010	0	-1	0	0	-1	0	NM_007814	cytochrome P450, family 2, subfamily b, polypeptide 19 (Cyp2b19), mRNA.	Mme-M400002418	ILMN_2846120	0	1
13106	Cyp2e1	-0.052	-0.202	-0.420	0	0	-1	0	0	-1	NM_021282	cytochrome P450, family 2, subfamily e, polypeptide 1 (Cyp2e1), mRNA.	Mme-M200004209	ILMN_2687014	0	1
13108	Cyp2g1	-0.162	-1.189	-0.069	0	-1	0	0	-1	0	NM_013809	cytochrome P450, family 2, subfamily g, polypeptide 1 (Cyp2g1), mRNA.	Mme-M300020421	ILMN_1226469	0	1
13138	Dag1	-0.018	-0.219	-0.550	0	0	-1	0	0	-1	NM_010017	dystroglycan 1 (Dag1), mRNA.	Mme-M200002566	ILMN_2853957	0	1
13170	Dbp	-0.070	0.246	-0.743	0	0	-1	0	0	-1	NM_016974	D site albumin promoter binding protein (Dbp), mRNA.	Mme-M200001342	ILMN_2616226	0	1
13346	Des	1.911	0.281	-0.426	1	0	-1	1	0	-1	NM_010043	desmin (Des), mRNA.	Mme-M200002416	ILMN_2836982	1	1
668257	Dgat2l6	-0.384	-1.075	0.039	0	-1	0	0	-1	0	NM_001114084	diacylglycerol O-acyltransferase 2-like 6 (Dgat2l6), mRNA.	Mme-M400000236	ILMN_1219762	0	1
13386	Dlk1	1.204	0.113	-0.430	1	0	-1	1	0	-1	NM_010052	delta-like 1 homolog (Drosophila) (Dlk1), mRNA.	Mme-M400002449	ILMN_1244618	1	1
242620	Dmrta2	0.487	-0.153	-0.508	0	0	-1	0	0	-1	NM_172296	doublesex and mab-3 related transcription factor like family A2 (Dmrta2), mRNA.	Mme-M400003259	ILMN_1243528	0	1
13599	Ecel1	-0.048	0.491	-0.636	0	1	-1	0	0	-1	NM_021306	endothelin converting enzyme-like 1 (Ecel1), mRNA.	Mme-M200009313	ILMN_2756900	0	1
269344	Ell3	-0.008	-0.706	0.036	0	-1	0	0	-1	0	NM_145973	elongation factor RNA polymerase II-like 3 (Ell3), mRNA.	Mme-M300005534	ILMN_2627179	0	1
12686	Elovl3	0.129	-1.959	0.077	0	-1	0	0	-1	0	NM_007703	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3 (Elovl3), mRNA.	Mme-M300011750	ILMN_2682207	0	1
18606	Enpp2	0.238	-0.044	-0.426	0	0	-1	0	0	-1	NM_015744	ectonucleotide pyrophosphatase/phosphodiesterase 2 (Enpp2), mRNA.	Mme-M200005834	ILMN_2772998	0	1
73191	Fezf1	-0.076	-0.666	0.013	0	-1	0	0	-1	0	XM_133029	PREDICTED: Fez family zinc finger 1 (Fezf1), mRNA.	Mme-M200014789	ILMN_2733155	0	1
66120	Fkbp11	0.323	0.126	-0.605	0	0	-1	0	0	-1	NM_024169	FK506 binding protein 11 (Fkbp11), mRNA.	Mme-M200006995	ILMN_1224635	0	1
14275	Folr1	0.153	-0.072	-0.423	0	0	-1	0	0	-1	NM_008034	folate receptor 1 (adult) (Folr1), mRNA.	Mme-M200000812	ILMN_2707541	0	1
14465	Gata6	-0.040	-1.195	-0.055	0	-1	0	0	-1	0	NM_010258	GATA binding protein 6 (Gata6), mRNA.	Mme-M400000110	ILMN_2868133	0	1
14599	Gh	2.702	-2.030	1.393	1	-1	1	1	-1	1	NM_008117	growth hormone (Gh), mRNA.	Mme-M200000457	ILMN_2725322	2	1
14619	Gjb2	-0.084	-0.649	0.273	0	-1	0	0	-1	0	NM_008125	gap junction protein, beta 2 (Gjb2), mRNA.	Mme-M200007491	ILMN_2999627	0	1
14715	Gnrhr	0.727	-0.097	-0.433	1	0	-1	0	0	-1	NM_010323	gonadotropin releasing hormone receptor (Gnrhr), mRNA.	Mme-M300006578	ILMN_1227504	0	1
215456	Gpat2	0.181	-0.561	-0.033	0	-1	0	0	-1	0	NM_001081089	RIKEN cDNA A530057A03 gene (A530057A03Rik), mRNA.	Mme-M300017255	ILMN_2703492	0	1
14778	Gpx3	1.037	0.404	-0.444	1	0	-1	1	0	-1	NM_008161	glutathione peroxidase 3 (Gpx3), transcript variant 2, mRNA.	Mme-M200002493	ILMN_2715546	1	1
56637	Gsk3b	0.141	0.131	-0.660	0	0	-1	0	0	-1	NM_019827	glycogen synthase kinase 3 beta (Gsk3b), mRNA.	Mme-M300003521	ILMN_2551852	0	1
15267	Hist2h2aa1	0.243	-0.407	-0.474	0	0	-1	0	0	-1	NM_013549	histone cluster 2, H2aa1 (Hist2h2aa1), mRNA.	Mme-M400008600	ILMN_1231053	0	1
243912	Hspb6	0.330	0.162	-0.531	0	0	-1	0	0	-1	NM_001012401	heat shock protein, alpha-crystallin-related, B6 (Hspb6), mRNA.	Mme-M300010568	ILMN_2805339	0	1
16008	Igfbp2	0.135	-0.783	-0.092	0	-1	0	0	-1	0	NM_008342	insulin-like growth factor binding protein 2 (Igfbp2), mRNA.	Mme-M200009370	ILMN_1236788	0	1
209268	Igsf1	-0.651	0.312	-0.556	0	0	-1	0	0	-1	NM_183336	immunoglobulin superfamily, member 1 (Igsf1), transcript variant 4, mRNA.	Mme-M300007562	ILMN_2660505	0	1
544963	Iqgap2	0.193	-0.573	-0.112	0	-1	0	0	-1	0	NM_027711	IQ motif containing GTPase activating protein 2 (Iqgap2), mRNA.	Mme-M400006132	ILMN_2908846	0	1
16591	Kl	0.038	-0.374	-0.498	0	0	-1	0	0	-1	NM_013823	klotho (Kl), mRNA.	Mme-M200002373	ILMN_1253148	0	1
228003	Klhl41	1.168	0.429	-0.450	1	1	-1	1	0	-1	NM_001081087	kelch repeat and BTB (POZ) domain containing 10 (Kbtbd10), mRNA.	Mme-M400005332	ILMN_2527465	1	1
16664	Krt14	-0.125	-0.668	-0.042	0	-1	0	0	-1	0	NM_016958	keratin 14 (Krt14), mRNA.	Mme-M200002466	ILMN_2722616	0	1
16691	Krt8	0.686	-0.743	-0.308	1	-1	-1	0	-1	0	NM_031170	keratin 8 (Krt8), mRNA.	Mme-M400011714	ILMN_1221157	0	1
16716	Ky	0.560	0.673	-0.492	0	1	-1	0	1	-1	NM_024291	kyphoscoliosis peptidase (Ky), mRNA.	Mme-M400011461	ILMN_2906855	1	1
16866	Lhb	2.040	-0.191	-0.545	1	0	-1	1	0	-1	NM_008497	luteinizing hormone beta (Lhb), mRNA.	Mme-M400002104	ILMN_2589011	1	1
67717	Lipf	0.853	-0.723	0.570	1	-1	1	0	-1	1	NM_026334	lipase, gastric (Lipf), mRNA.	Mme-M300004305	ILMN_2863532	1	1
14725	Lrp2	0.257	-1.046	-0.112	0	-1	0	0	-1	0	NM_001081088	low density lipoprotein receptor-related protein 2 (Lrp2), mRNA.	Mme-M200004707	ILMN_3117209	0	1
237954	Lrrc37a	-1.027	0.040	-0.063	-1	0	0	-1	0	0	XM_137868	PREDICTED: leucine rich repeat containing 37A (Lrrc37a), mRNA.	Mme-M400001665	ILMN_1220636	0	1
17189	Mb	2.777	-0.370	-1.164	1	0	-1	1	0	-1	NM_013593	myoglobin (Mb), mRNA.	Mme-M300001745	ILMN_2954987	1	1
98682	Mfsd6	-0.210	-0.209	-0.499	0	0	-1	0	0	-1	NM_133829	RIKEN cDNA 2210010L05 gene (2210010L05Rik), transcript variant 1, mRNA.	Mme-M400011819	ILMN_2612238	0	1
12587	Mia	1.437	-0.479	-0.631	1	-1	-1	1	0	-1	NM_019394	melanoma inhibitory activity 1 (Mia1), mRNA.	Mme-M400006241	ILMN_2777087	1	1
68393	Mogat1	0.244	-2.012	0.038	0	-1	0	0	-1	0	NM_026713	monoacylglycerol O-acyltransferase 1 (Mogat1), mRNA.	Mme-M200013548	ILMN_2635387	0	1
328783	Mslnl	-0.076	-1.115	0.059	0	-1	0	0	-1	0	NM_177822	cDNA sequence BC052484 (BC052484), mRNA.	Mme-M300001771	ILMN_1225423	0	1
17701	Msx1	0.389	-0.080	-0.519	0	0	-1	0	0	-1	NM_010835	homeobox, msh-like 1 (Msx1), mRNA.	Mme-M400011074	ILMN_1246173	0	1
17829	Muc1	0.062	-0.816	-0.118	0	-1	0	0	-1	0	NM_013605	mucin 1, transmembrane (Muc1), mRNA.	Mme-M200003420	ILMN_2928489	0	1
17831	Muc2	0.096	-0.738	-0.014	0	-1	0	0	-1	0	XM_001001905	PREDICTED: mucin 2 (Muc2), mRNA.	Mme-M300004674	ILMN_1221082	0	1
74180	Muc5b	0.039	-0.623	-0.078	0	-1	0	0	-1	0	NM_028801	mucin 5, subtype B, tracheobronchial (Muc5b), mRNA.	Mme-M200012941	ILMN_2602097	0	1
109272	Mybpc1	0.746	0.303	-0.444	1	0	-1	0	0	-1	NM_175418	RIKEN cDNA 8030451F13 gene (8030451F13Rik), mRNA.	Mme-M300001976	ILMN_2744469	0	1
233199	Mybpc2	1.853	0.316	-0.565	1	0	-1	1	0	-1	NM_146189	myosin binding protein C, fast-type (Mybpc2), mRNA.	Mme-M300011700	ILMN_2676012	1	1
17879	Myh1	2.614	0.074	-1.084	1	0	-1	1	0	-1	NM_030679	myosin, heavy polypeptide 1, skeletal muscle, adult (Myh1), mRNA.	Mme-M300008632	ILMN_2865744	1	1
17880	Myh11	0.844	-0.567	0.033	1	-1	0	0	-1	0	NM_013607	myosin, heavy polypeptide 11, smooth muscle (Myh11), mRNA.	Mme-M300001736	ILMN_2622217	0	1
17882	Myh2	3.041	-0.184	-0.412	1	0	-1	1	0	-1	NM_001039545	myosin, heavy polypeptide 2, skeletal muscle, adult (Myh2), mRNA.	Mme-M200007574	ILMN_1219423	1	1
17901	Myl1	2.999	-0.317	-0.776	1	0	-1	1	0	-1	NM_001113387	myosin, light polypeptide 1 (Myl1), transcript variant 3f, mRNA.	Mme-M200000366	ILMN_1216602	1	1
17907	Mylpf	3.062	0.240	-0.835	1	0	-1	1	0	-1	NM_016754	myosin light chain, phosphorylatable, fast skeletal muscle (Mylpf), mRNA.	Mme-M200003319	ILMN_2977331	1	1
59011	Myoz1	1.858	0.386	-0.419	1	0	-1	1	0	-1	NM_021508	myozenin 1 (Myoz1), mRNA.	Mme-M400011399	ILMN_2615250	1	1
11923	Neurod4	0.092	0.039	-0.447	0	0	-1	0	0	-1	NM_007501	neurogenic differentiation 4 (Neurod4), mRNA.	Mme-M200002964	ILMN_2977633	0	1
18111	Nnat	0.072	-0.605	-0.055	0	-1	0	0	-1	0	NM_010923	neuronatin (Nnat), transcript variant 1, mRNA.	Mme-M400011083	ILMN_2755578	0	1
18378	Omp	0.291	-0.732	-0.185	0	-1	0	0	-1	0	NM_011010	olfactory marker protein (Omp), mRNA.	Mme-M400011091	ILMN_2417234	0	1
18423	Otx1	0.062	-1.054	0.030	0	-1	0	0	-1	0	NM_011023	orthodenticle homolog 1 (Drosophila) (Otx1), mRNA.	Mme-M300000735	ILMN_2690126	0	1
18424	Otx2	-0.126	-0.103	-0.452	0	0	-1	0	0	-1	NM_144841	orthodenticle homolog 2 (Drosophila) (Otx2), mRNA.	Mme-M200009179	ILMN_2691752	0	1
75735	Pank1	-0.875	-0.426	0.033	-1	-1	0	-1	0	0	NM_001114339	pantothenate kinase 1 (Pank1), transcript variant 1, mRNA.	Mme-M300008857	ILMN_2542951	0	1
18553	Pcsk6	0.696	0.001	-0.482	1	0	-1	0	0	-1	XM_886136	PREDICTED: proprotein convertase subtilisin/kexin type 6, transcript variant 2 (Pcsk6), mRNA.	Mme-M200007288	ILMN_2637094	0	1
231887	Pdap1	0.158	-0.138	-0.524	0	0	-1	0	0	-1	NM_001033313	PDGFA associated protein 1 (Pdap1), mRNA.	Mme-M300006779	ILMN_2654932	0	1
18607	Pdpk1	-0.134	-0.262	-0.628	0	0	-1	0	0	-1	NM_001080773	3-phosphoinositide dependent protein kinase-1 (Pdpk1), transcript variant 2, mRNA.	Mme-M200002935	ILMN_3124885	0	1
18741	Pitx2	0.696	0.434	-0.692	1	1	-1	0	0	-1	NM_001042504	paired-like homeodomain transcription factor 2 (Pitx2), transcript variant 1, mRNA.	Mme-M200000551	ILMN_1220244	0	1
116939	Pnpla3	-0.084	-0.580	-0.015	0	-1	0	0	-1	0	NM_054088	patatin-like phospholipase domain containing 3 (Pnpla3), mRNA.	Mme-M400002527	ILMN_2777462	0	1
18979	Pon1	-0.410	-0.664	-0.035	0	-1	0	0	-1	0	NM_011134	paraoxonase 1 (Pon1), mRNA.	Mme-M200006841	ILMN_2676379	0	1
96875	Prg4	-0.069	-0.730	0.213	0	-1	0	0	-1	0	NM_001110146	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein) (Prg4), transcript variant 2, mRNA.	Mme-M200013230	ILMN_2668333	0	1
19109	Prl	2.642	-1.374	1.620	1	-1	1	1	-1	1	NM_011164	prolactin (Prl), mRNA.	Mme-M200000477	ILMN_2685995	2	1
19116	Prlr	0.153	-0.426	-0.562	0	-1	-1	0	0	-1	NM_011169	prolactin receptor (Prlr), mRNA.	Mme-M200001040	ILMN_2617005	0	1
330657	Prss53	-0.330	-0.887	-0.073	0	-1	0	0	-1	0	NM_001081268	cDNA sequence BC039632 (BC039632), mRNA.	Mme-M300015181	ILMN_2682674	0	1
76943	Psapl1	0.296	-3.065	0.025	0	-1	0	0	-1	0	NM_175249	prosaposin-like 1 (Psapl1), mRNA.	Mme-M400012292	ILMN_2635197	0	1
53868	Rab25	-0.148	-0.335	-0.569	0	0	-1	0	0	-1	NM_016899	RAB25, member RAS oncogene family (Rab25), mRNA.	Mme-M400011272	ILMN_2776087	0	1
223332	Ranbp3l	-0.341	-0.696	0.161	0	-1	0	0	-1	0	NM_198024	RAN binding protein 3-like (Ranbp3l), mRNA.	Mme-M300012335	ILMN_1256423	0	1
19711	Resp18	0.189	-0.033	-0.462	0	0	-1	0	0	-1	NM_009049	regulated endocrine-specific protein 18 (Resp18), mRNA.	Mme-M200001562	ILMN_1231724	0	1
67067	Romo1	-0.024	-0.132	-0.432	0	0	-1	0	0	-1	NM_025946	RIKEN cDNA 2010100O12 gene (2010100O12Rik), mRNA.	Mme-M400011521	ILMN_2670427	0	1
66211	Rpl3l	1.480	0.201	-0.508	1	0	-1	1	0	-1	NM_025425	ribosomal protein L3-like (Rpl3l), mRNA.	Mme-M200014433	ILMN_2649810	1	1
239766	Rtp1	-0.015	-0.697	-0.105	0	-1	0	0	-1	0	NM_001004151	receptor transporter protein 1 (Rtp1), mRNA.	Mme-M300008749	ILMN_2530019	0	1
20190	Ryr1	1.347	0.531	-0.529	1	1	-1	1	0	-1	NM_009109	ryanodine receptor 1, skeletal muscle (Ryr1), mRNA.	Mme-M200001790	ILMN_2733073	1	1
20199	S100a5	0.757	-0.899	-0.104	1	-1	0	0	-1	0	NM_011312	S100 calcium binding protein A5 (S100a5), mRNA.	Mme-M300000142	ILMN_2749169	0	1
380683	Sec14l3	0.314	-0.793	-0.067	0	-1	0	0	-1	0	NM_001029937	SEC14-like 3 (S. cerevisiae) (Sec14l3), mRNA.	Mme-M400005005	ILMN_1241255	0	1
243755	Slc13a4	-0.017	-0.622	0.273	0	-1	0	0	-1	0	NM_172892	solute carrier family 13 (sodium/sulfate symporters), member 4 (Slc13a4), mRNA.	Mme-M300006905	ILMN_2827072	0	1
18399	Slc22a6	-0.260	-0.670	-0.024	0	-1	0	0	-1	0	NM_008766	solute carrier family 22 (organic anion transporter), member 6 (Slc22a6), mRNA.	Mme-M200006832	ILMN_2708491	0	1
19879	Slc22a8	-0.180	-0.564	0.113	0	-1	0	0	-1	0	NM_031194	solute carrier family 22 (organic anion transporter), member 8 (Slc22a8), mRNA.	Mme-M200003950	ILMN_2730888	0	1
26458	Slc27a2	0.074	-0.742	-0.225	0	-1	0	0	-1	0	NM_011978	solute carrier family 27 (fatty acid transporter), member 2 (Slc27a2), mRNA.	Mme-M200002398	ILMN_2515273	0	1
14411	Slc6a12	-0.198	-0.656	0.326	0	-1	1	0	-1	0	NM_133661	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12 (Slc6a12), mRNA.	Mme-M200004429	ILMN_1256644	0	1
26570	Slc7a11	0.036	-0.852	0.308	0	-1	1	0	-1	0	NM_011990	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11 (Slc7a11), mRNA.	Mme-M200013849	ILMN_2948143	0	1
20698	Sphk1	-0.130	-1.380	0.020	0	-1	0	0	-1	0	NM_011451	sphingosine kinase 1 (Sphk1), transcript variant 1, mRNA.	Mme-M200004020	ILMN_2650336	0	1
229277	Stoml3	0.390	-0.728	-0.043	0	-1	0	0	-1	0	NM_153156	stomatin (Epb7.2)-like 3 (Stoml3), mRNA.	Mme-M300005768	ILMN_2868808	0	1
21419	Tcfap2b	-0.217	-0.857	-0.030	0	-1	0	0	-1	0	NM_009334	transcription factor AP-2 beta (Tcfap2b), transcript variant 1, mRNA.	Mme-M200001959	ILMN_1223731	0	1
81879	Tfcp2l1	-0.186	-0.712	0.159	0	-1	0	0	-1	0	NM_023755	transcription factor CP2-like 1 (Tcfcp2l1), mRNA.	Mme-M400000919	ILMN_2769832	0	1
21785	Tff2	0.490	-0.580	0.313	0	-1	1	0	-1	0	NM_009363	trefoil factor 2 (spasmolytic protein 1) (Tff2), mRNA.	Mme-M200000706	ILMN_1228211	0	1
380712	Tlcd2	0.071	-0.621	-0.100	0	-1	0	0	-1	0	NM_027249	RIKEN cDNA 2010305C02 gene (2010305C02Rik), mRNA.	Mme-M200013496	ILMN_1249828	0	1
21925	Tnnc2	2.706	-0.011	-1.003	1	0	-1	1	0	-1	NM_009394	troponin C2, fast (Tnnc2), mRNA.	Mme-M400000269	ILMN_2882658	1	1

Entrez_GeneID	Gene_symbol	glngly_423	glngly_616	glngly_921	z3glngly_signed_423	z3glngly_signed_616	z3glngly_signed_921	z4glngly_signed_423	z4glngly_signed_616	z4glngly_signed_921	refSeq_agilent	RefSeq_description	probe_id_agilent	probe_id_illumina	z4_exp_cnt_up	z4_exp_cnt_dn
21953	Tnni2	1.639	-0.036	-0.963	1	0	-1	1	0	-1	NM_009405	troponin I, skeletal, fast 2 (Tnni2), mRNA.	Mme-M200008191	ILMN_2481133	1	1
21957	Tnnt3	3.222	0.198	-0.693	1	0	-1	1	0	-1	NM_011620	troponin T3, skeletal, fast (Tnnt3), mRNA.	Mme-M300001729	ILMN_2469018	1	1
22004	Tpm2	1.402	0.364	-0.640	1	0	-1	1	0	-1	NM_009416	tropomyosin 2, beta (Tpm2), mRNA.	Mme-M300006106	ILMN_2482209	1	1
22094	Tshb	0.238	-0.031	-0.655	0	0	-1	0	0	-1	NM_009432	thyroid stimulating hormone, beta subunit (Tshb), mRNA.	Mme-M200001550	ILMN_1215013	0	1
22138	Ttn	2.653	0.266	-0.564	1	0	-1	1	0	-1	NM_028004	titin (Ttn), transcript variant N2-B, mRNA.	Mme-M200014444	ILMN_3128792	1	1
22139	Ttr	1.077	-0.193	-2.017	1	0	-1	1	0	-1	NM_013697	transthyretin (Ttr), mRNA.	Mme-M200000802	ILMN_2443330	1	1
231396	Ugt2b36	-0.205	-0.598	-0.021	0	-1	0	0	-1	0	NM_001029867	UDP glucuronosyltransferase 2 family, polypeptide B36 (Ugt2b36), mRNA.	Mme-M400001152	ILMN_1235719	0	1
327956	Vmo1	0.263	-1.180	-0.097	0	-1	0	0	-1	0	NM_001013607	vitelline membrane outer layer 1 homolog (chicken) (Vmo1), mRNA.	Mme-M300002417	ILMN_2936105	0	1
241431	Xirp2	1.306	0.197	-0.432	1	0	-1	1	0	-1	NM_001024618	xin actin-binding repeat containing 2 (Xirp2), transcript variant 1, mRNA.	Mme-M400000984	ILMN_2497657	1	1
213742	Xist	-0.002	-0.216	-0.930	0	0	-1	0	0	-1	NR_001463	inactive X specific transcripts (Xist) on chromosome X.	Mme-M400012678	ILMN_2475156	0	1
195522	Zfp691	-0.900	0.164	-0.189	-1	0	0	-1	0	0	NM_183140	zinc finger protein 691 (Zfp691), mRNA.	Mme-M300016235	ILMN_2813594	0	1
22772	Zic2	0.024	-0.611	-0.182	0	-1	0	0	-1	0	NM_009574	zinc finger protein of the cerebellum 2 (Zic2), mRNA.	Mme-M400007406	ILMN_2470518	0	1

Table S2. Gene Ontology terms significantly associated with differentially expressed genes.
Gene Ontology terms (Biological Process category) statistically significant at FDR < 0.05 for one or more experiments.
Table compares for each term the PAGE Z-scores and corresponding q-values, found for each of the three experiments: "423" (a.k.a "exp. 1"), "616" (a.k.a. "exp.2"), and "910" (a.k.a. "exp. 3").
See tab labeled "Data Dictionary" for description of columns.

GO_term_P	category_size	z glngly_423	z glngly_616	z glngly_921	p glngly_423	p glngly_616	p glngly_921	fdr05 glngly_423	fdr05 glngly_616	fdr05 glngly_921	MEAN PAGE Z Score	min FDR p-value	abs_mean_z_score
cellular response to interferon-beta	24	6.81	11.81	7.39	3.8255E-09	0	7.83372E-11	1	1	1	8.67	0	8.67
immune response	187	0.82	13.06	11.85	0.874453595	0	0	0	1	1	8.576667	0	8.576666667
defense response to protozoan	23	5.86	11.95	6.24	9.8592E-07	0	1.25387E-07	1	1	1	8.016667	0	8.016666667
cellular response to interferon-gamma	25	6.08	8.9	4.52	3.02176E-07	0	0.000509486	1	1	1	6.5	0	6.5
adhesion of symbiont to host	9	5.28	8.46	4.15	1.77122E-05	0	0.002050073	1	1	1	5.963333	0	5.963333333
chemotaxis	109	1.59	8.55	6.52	0.580632732	0	2.25928E-08	0	1	1	5.553333	0	5.553333333
response to interferon-gamma	18	1.37	8.41	5.94	0.673382632	0	6.4822E-07	0	1	1	5.24	0	5.24
muscle contraction	35	18.97	2.68	-8.72	0	0.131218509	0	1	0	-1	4.31	0	4.31
response to activity	10	8.68	-0.18	-0.47	0	0.986402502	0.939783126	1	0	0	2.676667	0	2.676666667
regulation of muscle contraction	20	11.73	1.45	-5.42	0	0.641366344	9.05077E-06	1	0	-1	2.586667	0	2.586666667
skeletal muscle contraction	17	9.11	2.09	-5.19	0	0.340461799	2.66043E-05	1	0	-1	2.003333	0	2.003333333
sarcoplasmic reticulum calcium ion transport	5	8.56	1.46	-4.96	0	0.637452604	7.50719E-05	1	0	-1	1.686667	0	1.686666667
defense response to virus	107	2.64	8.23	6.44	0.140470696	1.6418E-13	3.7678E-08	0	1	1	5.77	1.64E-13	5.77
response to virus	53	1.83	7.79	6.58	0.469189371	4.61756E-12	1.59725E-08	0	1	1	5.4	4.62E-12	5.4
positive regulation of t cell proliferation	53	-0.57	7.59	6.59	0.926347321	2.08605E-11	1.54005E-08	0	1	1	4.536667	2.09E-11	4.536666667
antigen processing and presentation of exogenous peptide antigen via mhc class ii	13	1.85	7.48	6.82	0.456172773	4.48758E-11	3.55561E-09	0	1	1	5.383333	4.49E-11	5.383333333
response to stimulus	199	-7.46	-1.24	-0.77	5.22351E-11	0.731623404	0.889195654	-1	0	0	-3.15667	5.22E-11	3.156666667
antigen processing and presentation	40	2.2	7.41	6.93	0.292188731	6.74779E-11	1.6823E-09	0	1	1	5.513333	6.75E-11	5.513333333
sarcomere organization	25	7.34	1.47	-1.42	1.08471E-10	0.630711563	0.654922241	1	0	0	2.463333	1.08E-10	2.463333333
cellular response to lipopolysaccharide	78	3.54	7.17	5.42	0.015832238	3.55378E-10	8.96094E-06	1	1	1	5.376667	3.55E-10	5.376666667
cardiac muscle fiber development	7	7.13	-2.13	-1.7	4.64526E-10	0.322069215	0.527621108	1	0	0	1.1	4.65E-10	1.1
chemokine-mediated signaling pathway	37	0.95	6.53	6.99	0.839024504	2.12599E-08	1.20209E-09	0	1	1	4.823333	1.2E-09	4.823333333
t cell chemotaxis	6	4.42	6.98	4.76	0.000752428	1.25143E-09	0.000187453	1	1	1	5.386667	1.25E-09	5.386666667
epoxygenase p450 pathway	26	0.7	-6.75	-1.39	0.906823348	5.48672E-09	0.669120144	0	-1	0	-2.48	5.49E-09	2.48
defense response	75	-1.04	6.68	4.25	0.802397434	8.60625E-09	0.001456584	0	1	1	3.296667	8.61E-09	3.296666667
protection from natural killer cell mediated cytotoxicity	7	3.47	6.32	3.61	0.019192566	7.95524E-08	0.012220093	1	1	1	4.466667	7.96E-08	4.466666667
positive regulation of phagocytosis	38	0.64	6.24	4.03	0.916949425	1.25387E-07	0.003111701	0	1	1	3.636667	1.25E-07	3.636666667
positive regulation of interferon-gamma production	42	-0.12	6.21	5.17	0.992236374	1.43414E-07	3.00575E-05	0	1	1	3.753333	1.43E-07	3.753333333
regulation of jak-stat cascade	6	6.18	-2.63	5.88	1.72634E-07	0.14482325	8.93255E-07	1	0	1	3.143333	1.73E-07	3.143333333
regulation of innate immune response	11	1.47	6.17	3.46	0.633835761	1.81414E-07	0.020094561	0	1	1	3.7	1.81E-07	3.7
enucleate erythrocyte differentiation	6	6.13	-0.98	-2.97	2.32879E-07	0.826539953	0.071501475	1	0	0	0.726667	2.33E-07	0.726666667
positive regulation of steroid hormone biosynthetic process	5	5.75	-6.05	2.74	1.75378E-06	3.66449E-07	0.115050137	1	-1	0	0.813333	3.66E-07	0.813333333
cardiac myofibril assembly	11	6.02	1.98	-1.08	4.19164E-07	0.395968698	0.789736431	1	0	0	2.306667	4.19E-07	2.306666667
exogenous drug catabolic process	43	-0.13	-5.99	-1.72	0.992236374	4.99787E-07	0.515934318	0	-1	0	-2.61333	5E-07	2.613333333
negative regulation of growth of symbiont in host	19	1.1	5.92	4.4	0.783749804	7.3122E-07	0.000790473	0	1	1	3.806667	7.31E-07	3.806666667
stat protein import into nucleus	6	5.11	-5.39	5.92	3.90948E-05	1.00728E-05	7.3122E-07	1	-1	1	1.88	7.31E-07	1.88
neutrophil chemotaxis	41	0.18	4.51	5.91	0.986402502	0.000509486	7.33779E-07	0	1	1	3.533333	7.34E-07	3.533333333
cardiac muscle contraction	42	5.84	1.85	-3.07	1.08234E-06	0.455248717	0.055344747	1	0	0	1.54	1.08E-06	1.54
very long-chain fatty acid biosynthetic process	10	0.48	-5.84	1.21	0.937831351	1.08234E-06	0.741305331	0	-1	0	-1.38333	1.08E-06	1.383333333
defense response to gram-positive bacterium	61	3.65	5.77	5.41	0.010966827	1.57108E-06	9.11658E-06	1	1	1	4.943333	1.57E-06	4.943333333
plasma membrane repair	7	5.75	0.32	-2.36	1.75378E-06	0.967845422	0.225185611	1	0	0	1.236667	1.75E-06	1.236666667
negative regulation of viral genome replication	27	1.79	5.11	5.74	0.486909707	3.90948E-05	1.83011E-06	0	1	1	4.213333	1.83E-06	4.213333333
cardiac muscle hypertrophy	6	5.73	1.39	-2.29	1.86993E-06	0.669464855	0.258303226	1	0	0	1.61	1.87E-06	1.61
positive regulation of leukocyte chemotaxis	18	1.07	5.67	5.12	0.793274687	2.6513E-06	3.78011E-05	0	1	1	3.953333	2.65E-06	3.953333333
myeloid dendritic cell differentiation	19	1.39	5.65	2.3	0.668893902	2.8912E-06	0.250911468	0	1	0	3.113333	2.89E-06	3.113333333
cell surface receptor signaling pathway	131	-1.23	5.64	3.08	0.735556984	3.01736E-06	0.054479459	0	1	0	2.496667	3.02E-06	2.496666667
positive regulation of t cell migration	13	1.66	5.59	2.78	0.550642657	3.85837E-06	0.105646762	0	1	0	3.343333	3.86E-06	3.343333333
positive regulation of t cell mediated cytotoxicity	17	1.93	5.58	4.61	0.420572722	4.01046E-06	0.000352051	0	1	1	4.04	4.01E-06	4.04
positive regulation of synaptic transmission	26	0.82	5.53	-0.19	0.874453595	5.48362E-06	0.986402502	0	1	0	2.053333	5.48E-06	2.053333333
b cell receptor signaling pathway	29	0.36	4.46	5.48	0.963184861	0.000636389	6.95175E-06	0	1	1	3.433333	6.95E-06	3.433333333
positive regulation of interleukin-12 biosynthetic process	8	2.32	5.44	3.29	0.241573447	8.46649E-06	0.032924253	0	1	1	3.683333	8.47E-06	3.683333333
negative regulation of interleukin-10 production	12	-0.59	5.44	3.15	0.924348869	8.46649E-06	0.045934196	0	1	1	2.666667	8.47E-06	2.666666667
thyroid hormone transport	7	1.15	-1.52	-5.44	0.763320485	0.610827258	8.46649E-06	0	0	-1	-1.93667	8.47E-06	1.936666667
cardiac muscle tissue morphogenesis	15	5.44	2.11	-2.23	8.46649E-06	0.3309349	0.276217476	1	0	0	1.773333	8.47E-06	1.773333333
neurotransmitter biosynthetic process	8	-0.51	5.43	-0.24	0.933448501	8.91128E-06	0.978654195	0	1	0	1.56	8.91E-06	1.56
regulation of adaptive immune response	5	1	5.41	2.22	0.820460712	9.34217E-06	0.280800334	0	1	0	2.876667	9.34E-06	2.876666667
positive regulation of isotype switching to igg isotypes	6	-0.14	5.35	3.48	0.991322957	1.25363E-05	0.018754831	0	1	1	2.896667	1.25E-05	2.896666667
immunoglobulin mediated immune response	13	1.47	5.33	5.05	0.630711563	1.34564E-05	5.02834E-05	0	1	1	3.95	1.35E-05	3.95
regulation of neuronal synaptic plasticity	22	1.12	5.31	-2.66	0.775464671	1.55877E-05	0.136231363	0	1	0	1.256667	1.56E-05	1.256666667
response to interferon-alpha	8	1.63	5.29	4.82	0.559401526	1.67063E-05	0.000143152	0	1	1	3.913333	1.67E-05	3.913333333
response to lipopolysaccharide	97	0.72	5.29	4.17	0.902947041	1.67063E-05	0.001998504	0	1	1	3.393333	1.67E-05	3.393333333
positive regulation of myoblast fusion	19	1.36	5.24	2.76	0.678406009	2.06742E-05	0.110843138	0	1	0	3.12	2.07E-05	3.12
t cell receptor signaling pathway	39	0.49	5.21	4.19	0.937274606	2.52433E-05	0.001804126	0	1	1	3.296667	2.52E-05	3.296666667
positive regulation of type i interferon production	9	2.26	5.2	1.98	0.26849145	2.52433E-05	0.395440218	0	1	0	3.146667	2.52E-05	3.146666667
cellular response to cadmium ion	5	3.1	-5.15	-1.55	0.052401145	3.31492E-05	0.597552204	0	-1	0	-1.2	3.31E-05	1.2
negative regulation of endoplasmic reticulum calcium ion concentration	8	5.14	-0.28	-2.32	3.45293E-05	0.973890811	0.243387935	1	0	0	0.846667	3.45E-05	0.846666667
negative regulation of t cell proliferation	36	1.09	5.07	3.51	0.789016298	4.71039E-05	0.016866971	0	1	1	3.223333	4.71E-05	3.223333333
regulation of immune response	24	1.66	5.05	2.56	0.550587091	5.01548E-05	0.162332965	0	1	0	3.09	5.02E-05	3.09
positive regulation of fever generation	7	-1.42	5.05	4.58	0.658703865	5.01548E-05	0.000392764	0	1	1	2.736667	5.02E-05	2.736666667
fatty acid biosynthetic process	62	0.12	-5.05	1.06	0.992236374	5.07941E-05	0.797721821	0	-1	0	-1.29	5.08E-05	1.29
response to interferon-beta	5	3.02	5.04	3.67	0.06228816	5.20321E-05	0.010566072	0	1	1	3.91	5.2E-05	3.91
phagocytosis, engulfment	16	1.46	5.02	2	0.635840297	5.61917E-05	0.387228763	0	1	0	2.826667	5.62E-05	2.826666667
positive regulation of tumor necrosis factor production	47	2.75	4.79	4.97	0.114819309	0.000164213	7.33579E-05	0	1	1	4.17	7.34E-05	4.17
response to endoplasmic reticulum stress	61	4.96	0.4	-1.44	7.50719E-05	0.958434146	0.645763709	1	0	0	1.306667	7.51E-05	1.306666667
xenobiotic metabolic process	55	-0.38	-4.96	-1.26	0.961850642	7.63194E-05	0.72305019	0	-1	0	-2.2	7.63E-05	2.2
fatty acid metabolic process	144	0.99	-4.93	-0.02	0.822032543	8.81896E-05	0.998678693	0	-1	0	-1.32	8.82E-05	1.32
positive regulation of growth	7	3.28	-4.93	4.08	0.033801597	8.81896E-05	0.002631065	1	-1	1	0.81	8.82E-05	0.81
positive regulation of neutrophil chemotaxis	20	1.87	4.9	3.84	0.446448408	9.82759E-05	0.005825357	0	1	1	3.536667	9.83E-05	3.536666667
brown fat cell differentiation	32	4.87	-1	-2.34	0.000114565	0.821325495	0.235680047	1	0	0	0.51	0.000115	0.51
positive regulation of chemokine (c-x-c motif) ligand 2 production	6	-0.37	4.84	3.23	0.963102262	0.000134558	0.036919467	0	1	1	2.566667	0.000135	2.566666667
positive regulation of monocyte chemotaxis	14	1.14	4.81	3.56	0.766712198	0.000150244	0.014659381	0	1	1	3.17	0.00015	3.17
positive regulation of interleukin-1 beta secretion	17	-0.59	4.8	2.75	0.924029065	0.000153763	0.114254377	0	1	0	2.32	0.000154	2.32
thyroid hormone generation	7	4.75	-1.11	-2.34	0.000191467	0.777663332	0.235680047	1	0	0	0.433333	0.000191	0.433333333
positive regulation of natural killer cell differentiation	10	2.3	4.75	0.17	0.251955088	0.000195288	0.986402502	0	1	0	2.406667	0.000195	2.406666667
t cell differentiation	37	0.12	2.04	4.74	0.992236374	0.364870247	0.000199972	0	0	1	2.3	0.0002	2.3
regulation of release of sequestered calcium ion into cytosol by sarcoplasmic reticulum	12	4.74	1.77	-1.15	0.000199972	0.492576162	0.762205538	1	0	0	1.786667	0.0002	1.786666667
response to light stimulus	13	4.72	-1.78	3.98	0.000223068	0.489566867	0.003714184	1	0	1	2.306667	0.000223	2.306666667
skeletal muscle tissue development	48	4.71	1.54	-0.06	0.000231196	0.60213521	0.996336569	1	0	0	2.063333	0.000231	2.063333333
cytokine-mediated signaling pathway	113	0.54	4.7	4.56	0.930658677	0.000243176	0.000425833	0	1	1	3.266667	0.000243	3.266666667
positive regulation of t cell activation	16	0.49	4.68	3.62	0.936762727	0.000254874	0.011886821	0	1	1	2.93	0.000255	2.93
positive regulation of mitochondrial calcium ion concentration	9	4.65	-0.19	-2.57	0.000301831	0.986402502	0.160403638	1	0	0	0.63	0.000302	0.63
gene expression	10	-1.45	1.58	4.65	0.642570433	0.585131975	0.00030359	0	0	1	1.593333	0.000304	1.593333333
positive regulation of tyrosine phosphorylation of stat1 protein	10	0.75	4.62	1.92	0.894392015	0.000336139	0.420718894	0	1	0	2.43	0.000336	2.43
leukocyte migration involved in inflammatory response	10	0.03	2.77	4.59	0.997407319	0.108680397	0.000388923	0	0	1	2.463333	0.000389	2.463333333
response to cytokine	57	2.1	4.58	3.55	0.338459024	0.000392764	0.015294042	0	1	1	3.41	0.000393	3.41
positive regulation of interleukin-2 biosynthetic process	12	1.14	4.57	2.62	0.768280416	0.000424144	0.145061047	0	1	0	2.776667	0.000424	2.776666667
regulation of ossification	13	4.56	-2	4.44	0.000425929	0.385194314	0.000687571	1	0	1	2.333333	0.000426	2.333333333
glycerol metabolic process	17	-0.91	-4.53	-0.71	0.848373795	0.000482479	0.903960151	0	-1	0	-2.05	0.000482	2.05
positive regulation of calcium-mediated signaling	20	-0.27	4.53	1.82	0.975685748	0.000482717	0.475036209	0	1	0	2.026667	0.000483	2.026666667
eosinophil chemotaxis	8	0.45	4.53	2.32	0.943317023	0.000487314	0.243387935	0	1	0	2.433333	0.000487	2.433333333
nucleosome assembly	70	2.2	-4.53	-0.47	0.292188731	0.000492442	0.939783126	0	-1	0	-0.93333	0.000492	0.933333333
positive regulation of sequestering of triglyceride	6	4.5	-1.94	-2.22	0.000547805	0.411958335	0.285308813	1	0	0	0.113333	0.000548	0.113333333
positive regulation of jak-stat cascade	23	1.58	-2.18	4.48	0.585291369	0.301577977	0.000586317	0	0	1	1.293333	0.000586	1.293333333
positive regulation of natural killer cell mediated cytotoxicity	18	0.19	4.45	1.74	0.986402502	0.000681696	0.507618971	0	1	0	2.126667	0.000682	2.126666667
lymphocyte chemotaxis	6	-0.41	4.44	3.57	0.955069183	0.000687571	0.014270705	0	1	1	2.533333	0.000688	2.533333333
response to hypoxia	103	4.44	1.15	-1.58	0.000687571	0.763320485	0.583097615	1	0	0	1.336667	0.000688	1.336666667
positive thymic t cell selection	11	-0.34	4.43	4.31	0.96588406	0.000703135	0.001135399	0	1	1	2.8	0.000703	2.8
tube morphogenesis	8	-1.78	-4.41	0.88	0.489818219	0.00076825	0.853961387	0	-1	0	-1.77	0.000768	1.77
response to yeast	5	0.93	4.39	3.99	0.845121795	0.000831652	0.003566506	0	1	1	3.103333	0.000832	3.103333333
t cell costimulation	16	0.24	4.39	3.8	0.979234432	0.000831652	0.006656221	0	1	1	2.81	0.000832	2.81
positive regulation of nitric oxide biosynthetic process	35	0.55	4.39	2.96	0.929944973	0.000831652	0.072676459	0	1	0	2.633333	0.000832	2.633333333
collagen fibril organization	37	4.39	0.35	0.14	0.000831652	0.964880064	0.991322957	1	0	0	1.626667	0.000832	1.626666667
memory	66	-0.98	4.38	0.33	0.827040584	0.000847466	0.966974608	0	1	0	1.243333	0.000847	1.243333333
negative regulation of interleukin-17 production	12	0.24	4.34	2.61	0.977759404	0.001009093	0.147972771	0	1	0	2.396667	0.001009	2.396666667

complement activation	9	1.08	4.33	4.23	0.789577046	0.0010388	0.001527578	0	1	1	3.213333	0.001039	3.213333333
negative regulation of interferon-gamma production	22	0.69	4.31	2.4	0.909890575	0.001135399	0.209890307	0	1	0	2.466667	0.001135	2.466666667
response to molecule of bacterial origin	11	-0.06	2.87	4.31	0.995869073	0.087774783	0.001135399	0	0	1	2.373333	0.001135	2.373333333
pyroptosis	6	0.03	4.3	2.95	0.997407319	0.00120242	0.072676459	0	1	0	2.426667	0.001202	2.426666667
positive regulation of interleukin-12 production	21	-0.26	4.3	2.71	0.977178877	0.00120242	0.121511524	0	1	0	2.25	0.001202	2.25
negative regulation of potassium ion transport	14	4.28	3.07	-0.82	0.001260683	0.055411014	0.874453595	1	0	0	2.176667	0.001261	2.176666667
cell cycle arrest	73	2.26	4.28	-0.28	0.26987479	0.001273108	0.974440322	0	1	0	2.086667	0.001273	2.086666667
regulation of osteoclast differentiation	15	0.04	0.21	4.28	0.997407319	0.983924122	0.001289207	0	0	1	1.51	0.001289	1.51
rrna processing	110	4.24	0.23	-0.69	0.001463343	0.98034578	0.909131513	1	0	0	1.26	0.001463	1.26
leukocyte cell-cell adhesion	22	0.44	3.11	4.23	0.946901602	0.050905898	0.001560747	0	0	1	2.593333	0.001561	2.593333333
cellular response to osmotic stress	5	4.21	0.98	-0.71	0.001661275	0.825700302	0.903469454	1	0	0	1.493333	0.001661	1.493333333
positive regulation of t cell differentiation	18	-0.1	4.17	3.83	0.992236374	0.001998504	0.00610567	0	1	1	2.633333	0.001999	2.633333333
modification-dependent protein catabolic process	5	1.02	4.16	1.49	0.811630015	0.001998504	0.622027547	0	1	0	2.223333	0.001999	2.223333333
cell redox homeostasis	56	4.16	0.53	0.98	0.001998504	0.930658677	0.825700302	1	0	0	1.89	0.001999	1.89
myofibril assembly	12	4.16	1.51	-0.58	0.001998504	0.614029212	0.924763654	1	0	0	1.696667	0.001999	1.696666667
antigen processing and presentation of peptide antigen via mhc class i	28	1.22	3.97	4.15	0.73814738	0.003850549	0.002050073	0	1	1	3.113333	0.00205	3.113333333
elastic fiber assembly	6	3.44	-1.66	4.15	0.021079644	0.55016977	0.002050073	1	0	1	1.976667	0.00205	1.976666667
response to food	9	3.05	-4.15	3.76	0.058481471	0.002056189	0.00777701	0	-1	1	0.886667	0.002056	0.886666667
skeletal muscle fiber development	22	4.11	2.34	-2.43	0.002427803	0.235680047	0.200491186	1	0	0	1.34	0.002428	1.34
histone h4-k20 methylation	5	0.01	-1.47	4.11	0.999570474	0.633835761	0.002427803	0	0	1	0.883333	0.002428	0.883333333
negative regulation of b cell activation	7	-0.11	4.11	3.8	0.992236374	0.002452914	0.006644836	0	1	1	2.6	0.002453	2.6
interleukin-1 beta production	5	0.31	4.1	3.93	0.968755889	0.002520366	0.004396619	0	1	1	2.78	0.00252	2.78
nucleotide transmembrane transport	6	4.09	-2.42	-0.65	0.002553062	0.201655844	0.915708928	1	0	0	0.34	0.002553	0.34
oxygen transport	8	3.99	0.05	-4.09	0.003563859	0.996336569	0.002553062	1	0	-1	-0.01667	0.002553	0.016666667
protein folding	112	4.08	1.88	1.22	0.00267738	0.444315007	0.73814738	1	0	0	2.393333	0.002677	2.393333333
positive regulation of t-helper 1 type immune response	10	0.65	4.07	3.07	0.915352655	0.002734283	0.055411014	0	1	0	2.596667	0.002734	2.596666667
cellular defense response	14	0.94	4.07	2.74	0.841875382	0.002734283	0.115470052	0	1	0	2.583333	0.002734	2.583333333
positive regulation of chemokine biosynthetic process	8	0.72	4.07	2.16	0.90115463	0.002734283	0.311047366	0	1	0	2.316667	0.002734	2.316666667
positive regulation of interleukin-6 biosynthetic process	8	0.86	4.07	3.66	0.860532228	0.002738751	0.010685731	0	1	1	2.863333	0.002739	2.863333333
negative thymic t cell selection	11	-0.51	4.07	4.06	0.933093223	0.002745063	0.002822046	0	1	1	2.54	0.002745	2.54
apoptotic mitochondrial changes	24	4.06	-1.14	-0.62	0.002822046	0.764253177	0.920011534	1	0	0	0.766667	0.002822	0.766666667
positive regulation of myoblast differentiation	21	4.04	3.19	1.37	0.002987698	0.040836271	0.673382632	1	1	0	2.866667	0.002988	2.866666667
epithelial cell differentiation	38	-1.21	-4.03	-1.58	0.74007022	0.003111701	0.585336249	0	-1	0	-2.27333	0.003112	2.273333333
defense response to bacterium	113	-1.54	4.03	3.83	0.603152598	0.003136687	0.006032111	0	1	1	2.106667	0.003137	2.106666667
negative regulation of leukocyte apoptotic process	5	1.38	4.02	1.92	0.670852807	0.003205486	0.420718894	0	1	0	2.44	0.003205	2.44
sphingolipid metabolic process	34	1.3	-4.02	0.64	0.701181717	0.003223491	0.916949425	0	-1	0	-0.69333	0.003223	0.693333333
regulation of cgmp metabolic process	7	4.02	-1.08	-2.01	0.003247689	0.79070372	0.380367931	1	0	0	0.31	0.003248	0.31
modified amino acid transport	5	-0.7	-3.97	2.3	0.906823348	0.003822089	0.251212085	0	-1	0	-0.79	0.003822	0.79
positive regulation of lymphocyte differentiation	5	2.37	3.97	0.56	0.222231777	0.003850549	0.927248209	0	1	0	2.3	0.003851	2.3
positive regulation of i-kappab kinase/nf-kappab signaling	118	3.38	3.97	2.89	0.025189347	0.003864405	0.083649937	1	1	0	3.413333	0.003864	3.413333333
response to biotic stimulus	8	0.42	3.96	1.55	0.951602844	0.003983072	0.597405606	0	1	0	1.976667	0.003983	1.976666667
antigen processing and presentation of exogenous peptide antigen via mhc class i	5	2.72	3.96	1.66	0.119848662	0.004010557	0.546119909	0	1	0	2.78	0.004011	2.78
cell chemotaxis	53	0.66	3.95	2.12	0.914740953	0.004128269	0.327894607	0	1	0	2.243333	0.004128	2.243333333
potassium ion transmembrane transport	116	-3.95	-1.18	-1.24	0.004128269	0.749926772	0.731623404	-1	0	0	-2.12333	0.004128	2.123333333
fatty acid beta-oxidation	29	0.91	-3.94	-0.67	0.847585408	0.004196967	0.912989021	0	-1	0	-1.23333	0.004197	1.233333333
acyl-coa metabolic process	22	-0.36	-3.93	-1.99	0.963184861	0.004352126	0.387901669	0	-1	0	-2.09333	0.004352	2.093333333
positive regulation of t cell chemotaxis	11	-0.87	2.46	3.93	0.857600584	0.190912524	0.004352126	0	0	1	1.84	0.004352	1.84
microtubule-based movement	58	-3.93	0.58	0.31	0.004352126	0.924464421	0.968736832	-1	0	0	-1.01333	0.004352	1.013333333
mammary gland epithelium development	5	1.55	-0.17	-3.93	0.598790136	0.986402502	0.004352126	0	0	-1	-0.85	0.004352	0.85
microglial cell activation	18	0.7	3.92	3.53	0.906823348	0.00442118	0.016257269	0	1	1	2.716667	0.004421	2.716666667
leukocyte tethering or rolling	14	0.93	1.93	3.92	0.844535026	0.420468969	0.004466038	0	0	1	2.26	0.004466	2.26
phagocytosis	37	0.7	3.91	1.1	0.907060947	0.004603256	0.783749804	0	1	0	1.903333	0.004603	1.903333333
cellular response to ethanol	5	0.77	2.56	3.91	0.887456775	0.16395983	0.004641084	0	0	1	2.413333	0.004641	2.413333333
positive regulation of dendritic cell antigen processing and presentation	5	-1.8	3.91	3.37	0.484449492	0.004658228	0.025268241	0	1	1	1.826667	0.004658	1.826666667
positive regulation of interleukin-23 production	5	0.49	3.9	1.03	0.937274606	0.004821446	0.807959281	0	1	0	1.806667	0.004821	1.806666667
lipopolysaccharide-mediated signaling pathway	27	2.39	3.88	2.8	0.213850879	0.00506134	0.101203698	0	1	0	3.023333	0.005061	3.023333333
lipoprotein transport	13	0.09	-3.88	-0.19	0.992236374	0.005187582	0.986402502	0	-1	0	-1.32667	0.005188	1.326666667
positive regulation of nf-kappab import into nucleus	17	0.24	2.66	3.87	0.977759404	0.136483141	0.005281812	0	0	1	2.256667	0.005282	2.256666667
muscle organ development	61	3.87	1.02	-2.26	0.005294448	0.814170503	0.271098775	1	0	0	0.876667	0.005294	0.876666667
positive regulation of t-helper 1 cell differentiation	6	2.48	3.86	2.42	0.18503097	0.005423694	0.20389777	0	1	0	2.92	0.005424	2.92
response to bacterium	29	1.81	3.84	3.21	0.478435416	0.005902888	0.039289497	0	1	1	2.953333	0.005903	2.953333333
lymph node development	26	-0.42	3.84	3.63	0.953062664	0.005902888	0.011695705	0	1	1	2.35	0.005903	2.35
negative regulation of ossification	17	-0.31	1.61	3.84	0.968348858	0.571230269	0.005951936	0	0	1	1.713333	0.005952	1.713333333
peptide catabolic process	6	3.82	1.69	-0.97	0.006396123	0.532253492	0.828515814	1	0	0	1.513333	0.006396	1.513333333
sphingosine metabolic process	5	-0.04	-3.8	-0.89	0.997407319	0.006639181	0.850267185	0	-1	0	-1.57667	0.006639	1.576666667
toll-like receptor signaling pathway	15	0.71	3.77	3.7	0.904442874	0.007414182	0.009452388	0	1	1	2.726667	0.007414	2.726666667
release of sequestered calcium ion into cytosol by sarcoplasmic reticulum	6	3.77	2.29	-1.8	0.007568134	0.256238638	0.481201566	1	0	0	1.42	0.007568	1.42
pancreatic a cell differentiation	5	-0.1	-3.76	-1.02	0.992236374	0.00777701	0.813605304	0	-1	0	-1.62667	0.007777	1.626666667
regulation of heart rate by cardiac conduction	21	-1.46	-0.3	-3.76	0.635705632	0.969509559	0.007809046	0	0	-1	-1.84	0.007809	1.84
dorsal/ventral neural tube patterning	19	-3.73	-0.3	-0.45	0.008796037	0.970663958	0.943199784	-1	0	0	-1.49333	0.008796	1.493333333
dna unwinding involved in dna replication	9	0.36	2.26	3.72	0.963184861	0.271235847	0.008921649	0	0	1	2.113333	0.008922	2.113333333
erythrocyte differentiation	42	0.68	2.2	3.72	0.91059956	0.292188731	0.009038974	0	0	1	2.2	0.009039	2.2
quaternary ammonium group transport	6	-1.75	-3.72	1.22	0.50638879	0.009076725	0.73814738	0	-1	0	-1.41667	0.009077	1.416666667
positive regulation of reactive oxygen species metabolic process	29	2.05	3.71	1.04	0.363467746	0.009171637	0.805772027	0	1	0	2.266667	0.009172	2.266666667
adult heart development	14	3.7	-0.58	-2.09	0.009472522	0.925891216	0.340730597	1	0	0	0.343333	0.009473	0.343333333
negative regulation of t-helper 2 cell differentiation	5	1.87	3.69	2.48	0.447619389	0.009845389	0.185256109	0	1	0	2.68	0.009845	2.68
t cell activation	30	0.37	3.69	2.49	0.96261529	0.009872772	0.184684655	0	1	0	2.183333	0.009873	2.183333333
ventricular cardiac muscle tissue morphogenesis	26	3.68	0.3	-0.23	0.01011192	0.970663958	0.980955153	1	0	0	1.25	0.010112	1.25
lactation	31	3.68	-0.83	-0.14	0.01032217	0.870303464	0.991048252	1	0	0	0.903333	0.010322	0.903333333
natural killer cell activation	10	0.08	3.02	3.67	0.994963373	0.06228816	0.010554733	0	0	1	2.256667	0.010555	2.256666667
glycogen biosynthetic process	16	3.67	2.49	0.09	0.010566072	0.183459759	0.993093238	1	0	0	2.083333	0.010566	2.083333333
maternal behavior	15	2.57	-3.67	3.45	0.161718758	0.010566072	0.020703778	0	-1	1	0.783333	0.010566	0.783333333
positive regulation of b cell differentiation	15	1.31	3.66	1.26	0.698716771	0.010588422	0.725581195	0	1	0	2.076667	0.010588	2.076666667
macrophage chemotaxis	12	1.27	3.66	1.36	0.718780918	0.010658762	0.677458315	0	1	0	2.096667	0.010659	2.096666667
negative regulation of potassium ion transmembrane transporter activity	5	3.66	0.63	-2.48	0.010658762	0.919556511	0.185256109	1	0	0	0.603333	0.010659	0.603333333
chaperone mediated protein folding requiring cofactor	11	0.04	3.5	3.65	0.997407319	0.017814545	0.011133651	0	1	1	2.396667	0.011134	2.396666667
peptidyl-tyrosine phosphorylation	100	2	3.64	2.11	0.387866019	0.011161948	0.331373791	0	1	0	2.583333	0.011162	2.583333333
positive regulation of integrin activation	5	-0.35	2.11	3.63	0.96494025	0.333040558	0.011562066	0	0	1	1.796667	0.011562	1.796666667
negative regulation of innate immune response	10	0.96	3.63	2.04	0.834245515	0.011569058	0.363731341	0	1	0	2.21	0.011569	2.21
learning	54	-0.66	3.62	-1.3	0.915265038	0.01188226	0.705653774	0	1	0	0.553333	0.011882	0.553333333
regulation of synaptic plasticity	37	1.74	3.62	-0.27	0.50994083	0.011983959	0.97586089	0	1	0	1.696667	0.011984	1.696666667
response to peptide hormone	32	3.62	2.68	0.4	0.012197937	0.131809608	0.958855702	1	0	0	2.233333	0.012198	2.233333333
positive regulation of cell adhesion	51	0.42	3.59	2.59	0.952424834	0.013147413	0.153336461	0	1	0	2.2	0.013147	2.2
proteolysis involved in cellular protein catabolic process	54	2.75	3.58	3.07	0.114254377	0.013551785	0.055344747	0	1	0	3.133333	0.013552	3.133333333
very-low-density lipoprotein particle assembly	6	0.48	-2.37	-3.58	0.937831351	0.220623587	0.013551785	0	0	-1	-1.82333	0.013552	1.823333333
positive regulation of innate immune response	13	0.37	3.56	1.02	0.96261529	0.014569036	0.813605304	0	1	0	1.65	0.014569	1.65
cellular response to interleukin-1	21	1.37	3.56	2.08	0.673663992	0.014659381	0.348375473	0	1	0	2.336667	0.014659	2.336666667
positive regulation of myoblast proliferation	6	0.99	0.41	-3.55	0.821786737	0.953989949	0.015054308	0	0	-1	-0.71667	0.015054	0.716666667
positive regulation of inflammatory response	41	2.45	2.62	3.52	0.196149325	0.146253986	0.016726388	0	0	1	2.863333	0.016726	2.863333333
cellular response to amino acid stimulus	44	3.52	1.84	0.89	0.016726388	0.459892096	0.851671747	1	0	0	2.083333	0.016726	2.083333333
calcium ion import	27	1.58	0.07	-3.52	0.586352423	0.994963373	0.016840947	0	0	-1	-0.62333	0.016841	0.623333333
negative regulation of receptor activity	9	-0.91	1.25	3.51	0.847585408	0.728661012	0.016866971	0	0	1	1.283333	0.016867	1.283333333
cerebellar granule cell differentiation	8	0.05	1.18	-3.5	0.996336569	0.750795887	0.017456863	0	0	-1	-0.75667	0.017457	0.756666667
positive regulation of interleukin-6 production	45	0.9	3.5	3.47	0.850267185	0.017557099	0.019192566	0	1	1	2.623333	0.017557	2.623333333
negative regulation of activated t cell proliferation	8	-0.1	3.5	2.73	0.992236374	0.017814545	0.116581145	0	1	0	2.043333	0.017815	2.043333333
receptor clustering	26	0.97	3.49	0.39	0.832530876	0.01842719	0.959370909	0	1	0	1.616667	0.018427	1.616666667
photoreceptor cell maintenance	36	-3.47	-1.77	-1.17	0.019154763	0.492576162	0.754906618	-1	0	0	-2.13667	0.019155	2.136666667
protein import into nucleus, translocation	24	1.99	3.46	1.01	0.388496404	0.019632804	0.818250778	0	1	0	2.153333	0.019633	2.153333333
growth plate cartilage development	9	3.45	2.3	0.47	0.020493659	0.251256399	0.939876857	1	0	0	2.073333	0.020494	2.073333333
heart contraction	15	3.45	0.85	-1.06	0.020635876	0.862759255	0.795988767	1	0	0	1.08	0.020636	1.08
peptidyl-cysteine s-nitrosylation	5	1.31	1.79	3.44	0.699912437	0.489105395	0.020766142	0	0	1	2.18	0.020766	2.18
fc-gamma receptor signaling pathway	6	1.77	3.44	1.68	0.492645632	0.021333416	0.537403947	0	1	0	2.296667	0.021333	2.296666667
positive regulation of gamma-delta t cell differentiation	6	0.78	3.43	1.92	0.886027564	0.021433176	0.422961462	0	1	0	2.043333	0.021433	2.043333333
sphingosine biosynthetic process	8	0.1	-3.43	0.15	0.992236374	0.021585064	0.989242773	0	-1	0	-1.06	0.021585	1.06
response to peptidoglycan	7	1.38	3.43	1.97	0.670986477	0.021803934	0.398532537	0	1	0	2.26	0.021804	2.26
b cell activation	27	0.02	3.43	2.13	0.998678693	0.021805688	0.323440562	0	1	0	1.86	0.021806	1.86
response to mercury ion	5	3.43	1.22	-0.36	0.021805688	0.737387078	0.963184861	1	0	0	1.43	0.021806	1.43
dosage compensation by inactivation of x chromosome	7	0.89	-1.55	-3.42	0.851446601	0.598897425	0.022519616	0	0	-1	-1.36	0.02252	1.36
mapk cascade	88	-1.26	3.41	1.23	0.725957837	0.022702892	0.736603512	0	1	0	1.126667	0.022703	1.126666667
glycolytic process	31	1.84	3.41	-0.92	0.463643822	0.022949611	0.847339222	0	1	0	1.443333	0.02295	1.443333333
cellular response to caffeine	6	3.41	1.65	-1.48	0.023079965	0.551293152	0.625781574	1	0	0	1.193333	0.02308	1.193333333

t cell activation involved in immune response	21	-3.4	0.36	0.47	0.023265967	0.963184861	0.939783126	-1	0	0	-0.85667	0.023266	0.856666667
neural crest cell development	14	0.1	-3.4	2.57	0.992236374	0.023506794	0.160192315	0	-1	0	-0.24333	0.023507	0.243333333
positive regulation of protein tyrosine kinase activity	26	-3.4	0.07	1.92	0.023637576	0.994963373	0.42318577	-1	0	0	-0.47	0.023638	0.47
response to pheromone	96	-3.38	-1.11	0.32	0.024778553	0.779839571	0.967845422	-1	0	0	-1.39	0.024779	1.39
defense response to fungus	13	-0.11	3.38	0.77	0.992236374	0.024778553	0.889195654	0	1	0	1.346667	0.024779	1.346666667
ectopic germ cell programmed cell death	9	-0.3	3.38	3.31	0.969792742	0.025268241	0.030023124	0	1	1	2.13	0.025268	2.13
regulation of dendritic spine development	5	0.24	-0.76	3.37	0.977776297	0.892752986	0.025268241	0	0	1	0.95	0.025268	0.95
very long-chain fatty acid catabolic process	7	0.55	-3.36	-1.5	0.927927857	0.026093613	0.619665616	0	-1	0	-1.43667	0.026094	1.436666667
negative regulation of myoblast differentiation	24	0.96	3.36	1.76	0.834553503	0.026215808	0.500311409	0	1	0	2.026667	0.026216	2.026666667
germinal center formation	7	0.84	1.14	3.36	0.867899457	0.764615882	0.026385341	0	0	1	1.78	0.026385	1.78
regulation of nucleic acid-templated transcription	60	3.36	-0.14	-0.19	0.026385341	0.991322957	0.986402502	1	0	0	1.01	0.026385	1.01
lipid storage	24	3.36	0.22	-0.6	0.026385341	0.982484565	0.923238005	1	0	0	0.993333	0.026385	0.993333333
mast cell activation	11	1.05	3.35	3.21	0.802060905	0.026794852	0.039416717	0	1	1	2.536667	0.026795	2.536666667
positive regulation of smooth muscle cell proliferation	67	1.41	2.63	3.35	0.661714386	0.145052352	0.026892717	0	0	1	2.463333	0.026893	2.463333333
hair cycle	8	-3.35	-0.93	-0.23	0.027022857	0.844055421	0.98034578	-1	0	0	-1.50333	0.027023	1.503333333
intramembranous ossification	5	3.33	2.27	-1.13	0.028452905	0.264065816	0.772014683	1	0	0	1.49	0.028453	1.49
positive regulation of receptor activity	20	3.33	2.4	-1.19	0.028606254	0.209130174	0.745468624	1	0	0	1.513333	0.028606	1.513333333
sodium ion transport	114	-3.33	-1.55	0.74	0.028735411	0.600480724	0.895241779	-1	0	0	-1.38	0.028735	1.38
sperm motility	52	-3.33	0.36	-0.94	0.02900978	0.963184861	0.843573191	-1	0	0	-1.30333	0.02901	1.303333333
positive regulation of mhc class ii biosynthetic process	8	-0.73	3.32	2.74	0.90048773	0.029394209	0.11582481	0	1	0	1.776667	0.029394	1.776666667
positive regulation of immune response	8	-1.98	3.32	2.17	0.393233276	0.029685563	0.306615562	0	1	0	1.17	0.029686	1.17
smooth muscle cell differentiation	18	-0.01	-3.31	0.93	0.999443806	0.030807408	0.845121795	0	-1	0	-0.79667	0.030807	0.796666667
synaptic transmission	147	-1.5	3.3	-0.14	0.61892655	0.031496941	0.990118968	0	1	0	0.553333	0.031497	0.553333333
positive regulation of prostaglandin secretion	9	-0.94	1.19	3.28	0.842350926	0.745468624	0.033361622	0	0	1	1.176667	0.033362	1.176666667
i-kappab kinase/nf-kappab signaling	27	2.05	3.28	2.17	0.363107534	0.033801597	0.307246787	0	1	0	2.5	0.033802	2.5
purine nucleotide metabolic process	8	3.27	0.25	-1.68	0.033801597	0.977411788	0.536070436	1	0	0	0.613333	0.033802	0.613333333
prostate gland epithelium morphogenesis	11	-0.16	3.27	-1.88	0.986970611	0.03383218	0.443718254	0	1	0	0.41	0.033832	0.41
leukocyte chemotaxis	11	1.69	2.5	3.27	0.535311127	0.183282897	0.03413439	0	0	1	2.486667	0.034134	2.486666667
magnesium ion homeostasis	8	-1.43	-3.27	0.42	0.649468468	0.03413439	0.953062664	0	-1	0	-1.42667	0.034134	1.426666667
cellular response to x-ray	5	3.27	-0.18	1.06	0.03413439	0.986402502	0.797882996	1	0	0	1.383333	0.034134	1.383333333
intrinsic apoptotic signaling pathway in response to endoplasmic reticulum stress	31	3.26	-0.14	0.37	0.034665313	0.990975206	0.962007146	1	0	0	1.163333	0.034665	1.163333333
positive regulation of peroxisome proliferator activated receptor signaling pathway	6	0.96	-3.26	-1.19	0.833388006	0.034665313	0.746638897	0	-1	0	-1.16333	0.034665	1.163333333
sodium ion transmembrane transport	93	-3.26	1.42	0.93	0.034665313	0.658710176	0.845121795	-1	0	0	-0.30333	0.034665	0.303333333
kidney development	94	-0.92	-3.26	0.86	0.847339222	0.035041567	0.860532228	0	-1	0	-1.10667	0.035042	1.106666667
activation of cysteine-type endopeptidase activity involved in apoptotic process	70	2.28	2.01	3.26	0.258448161	0.380230892	0.035283221	0	0	1	2.516667	0.035283	2.516666667
cellular water homeostasis	13	-1.84	-3.25	-0.31	0.459892096	0.035450128	0.968348858	0	-1	0	-1.8	0.03545	1.8
negative regulation of megakaryocyte differentiation	14	-0.17	-3.25	-0.69	0.986402502	0.035450128	0.909890575	0	-1	0	-1.37	0.03545	1.37
negative regulation of immune response	10	1.36	3.25	1.24	0.678182258	0.035670955	0.73163748	0	1	0	1.95	0.035671	1.95
positive regulation of fat cell differentiation	41	3.25	-0.66	-0.17	0.035670955	0.915265038	0.986402502	1	0	0	0.806667	0.035671	0.806666667
glucose transport	28	3.25	-2.6	1.77	0.035670955	0.15271699	0.493934254	1	0	0	0.806667	0.035671	0.806666667
sensory perception of taste	43	-3.25	-0.09	-0.87	0.035882822	0.992236374	0.859044204	-1	0	0	-1.40333	0.035883	1.403333333
sensory perception of chemical stimulus	46	-3.25	-0.72	0.33	0.035882822	0.900961012	0.967845422	-1	0	0	-1.21333	0.035883	1.213333333
response to hydrogen peroxide	33	3.24	0.11	-0.75	0.036217903	0.992236374	0.89339958	1	0	0	0.866667	0.036218	0.866666667
macroautophagy	9	-0.75	0.19	-3.24	0.894392015	0.986402502	0.036314568	0	0	-1	-1.26667	0.036315	1.266666667
regulation of sensory perception of pain	40	1.05	3.24	1.54	0.801967356	0.036415582	0.604783141	0	1	0	1.943333	0.036416	1.943333333
complement activation, classical pathway	25	0.19	3.24	1.65	0.986402502	0.036415582	0.55091759	0	1	0	1.693333	0.036416	1.693333333
protein heterotetramerization	27	-0.26	-3.24	0.26	0.977178877	0.036415582	0.977178877	0	-1	0	-1.08	0.036416	1.08
extracellular fibril organization	10	3.24	1.69	-1.7	0.036415582	0.535135553	0.526903838	1	0	0	1.076667	0.036416	1.076666667
carboxylic acid metabolic process	14	1.31	3.24	0.07	0.70023575	0.036416921	0.994963373	0	1	0	1.54	0.036417	1.54
positive regulation of synaptic transmission, glutamatergic	20	-0.85	3.23	-2	0.864315741	0.036745115	0.383501041	0	1	0	0.126667	0.036745	0.126666667
actin filament bundle assembly	28	-0.06	1.27	3.23	0.996336569	0.718441769	0.037033865	0	0	1	1.48	0.037034	1.48
positive regulation of macrophage derived foam cell differentiation	10	3.23	-1.26	0.24	0.037068078	0.724911038	0.978654195	1	0	0	0.736667	0.037068	0.736666667
pituitary gland development	21	-0.55	-0.38	-3.22	0.928560392	0.961650664	0.037808131	0	0	-1	-1.38333	0.037808	1.383333333
muscle filament sliding	6	3.21	2.14	-1.9	0.039096082	0.319585324	0.434740035	1	0	0	1.15	0.039096	1.15
cellular response to organic substance	31	-0.09	3.2	2.06	0.992765262	0.03977428	0.358461296	0	1	0	1.723333	0.039774	1.723333333
regulation of tumor necrosis factor-mediated signaling pathway	5	-1.31	-3.2	0.41	0.69848903	0.039965357	0.955741156	0	-1	0	-1.36667	0.039965	1.366666667
natural killer cell activation involved in immune response	18	-3.2	-0.27	0.19	0.039965357	0.97501843	0.986402502	-1	0	0	-1.09333	0.039965	1.093333333
negative regulation of multicellular organism growth	15	0.79	0.69	3.19	0.884074489	0.909890575	0.040836271	0	0	1	1.556667	0.040836	1.556666667
activation of phospholipase d activity	5	-0.31	3.19	1.57	0.968993263	0.040836271	0.590913003	0	1	0	1.483333	0.040836	1.483333333
negative regulation of interleukin-6 production	24	-0.14	3.19	2.11	0.991068578	0.041027233	0.331146473	0	1	0	1.72	0.041027	1.72
positive regulation of potassium ion transport	12	3.19	1.7	-1.82	0.041471506	0.528230352	0.470275487	1	0	0	1.023333	0.041472	1.023333333
intestinal epithelial cell differentiation	5	-0.57	-3.18	-0.25	0.926347321	0.042008692	0.977759404	0	-1	0	-1.33333	0.042009	1.333333333
striated muscle contraction	11	2.46	3.18	-1.67	0.192296112	0.042008692	0.545745941	0	1	0	1.323333	0.042009	1.323333333
ribosomal small subunit biogenesis	11	3.18	0.96	-0.45	0.042458396	0.836118683	0.943810244	1	0	0	1.23	0.042458	1.23
pointed-end actin filament capping	6	3.18	-0.56	1.04	0.042458396	0.927558284	0.806748986	1	0	0	1.22	0.042458	1.22
positive regulation of type 2 immune response	6	-2.06	3.17	1.99	0.358532256	0.043393737	0.392739669	0	1	0	1.033333	0.043394	1.033333333
detection of chemical stimulus involved in sensory perception of bitter taste	30	-3.17	-0.58	-0.18	0.043813415	0.924348869	0.986402502	-1	0	0	-1.31	0.043813	1.31
leukocyte migration	21	1.18	3.16	2.43	0.748296515	0.044186649	0.199448163	0	1	0	2.256667	0.044187	2.256666667
l-glutamate import	6	1.69	3.16	1.42	0.533823103	0.044186649	0.654922241	0	1	0	2.09	0.044187	2.09
sphingosine-1-phosphate signaling pathway	8	-1.15	-3.16	0.33	0.763067947	0.044537512	0.967845422	0	-1	0	-1.32667	0.044538	1.326666667
homophilic cell adhesion via plasma membrane adhesion molecules	75	-3.15	0.47	-0.57	0.045934196	0.939783126	0.926347321	-1	0	0	-1.08333	0.045934	1.083333333
dna replication-independent nucleosome assembly	20	0.77	-3.15	-0.63	0.889195654	0.045934196	0.919060462	0	-1	0	-1.00333	0.045934	1.003333333
neuroblast proliferation	17	2.93	-3.15	2.05	0.076623351	0.045934196	0.36305267	0	-1	0	0.61	0.045934	0.61
response to wounding	30	-1.05	2.95	3.14	0.800567289	0.074160043	0.047140485	0	0	1	1.68	0.04714	1.68
cytoplasmic mrna processing body assembly	9	0.96	-0.82	3.14	0.836118683	0.874453595	0.047381923	0	0	1	1.093333	0.047382	1.093333333
fatty acid oxidation	15	1.06	-1.87	-3.13	0.795988767	0.445225281	0.047682455	0	0	-1	-1.31333	0.047682	1.313333333
vesicle-mediated transport	191	3.13	0.3	-1.94	0.047682455	0.969509559	0.411947517	1	0	0	0.496667	0.047682	0.496666667
hydrogen peroxide catabolic process	13	3.12	1.05	0.01	0.049529672	0.800567289	0.999641037	1	0	0	1.393333	0.04953	1.393333333
positive regulation of bmp signaling pathway	35	0.11	-3.12	-1.08	0.992236374	0.049529672	0.789736431	0	-1	0	-1.36333	0.04953	1.363333333
positive regulation of neurogenesis	26	3.12	-1.84	0.91	0.049529672	0.463643822	0.848373795	1	0	0	0.73	0.04953	0.73
response to inorganic substance	7	3.12	0.42	-1.31	0.049812703	0.952424834	0.700129899	1	0	0	0.743333	0.049813	0.743333333

Table:

GO_term_P	collated results of three rounds of PAGE analysis, one for each experiment

Columns:

GO_term_P	Gene Ontology Biological Process term
category_size	Number of genes on microarray with this annotation
z glngly_423	PAGE† Z-score for experiment 423 (a.k.a. exp. 1)
z glngly_616	PAGE Z-score for experiment 616 (a.k.a. exp. 2)
z glngly_921	PAGE Z-score for experiment 921 (a.k.a. exp. 3)
p glngly_423	False discovery rate (q-value) for experiment 423 (a.k.a. exp. 1)
p glngly_616	False discovery rate (q-value) for experiment 616 (a.k.a. exp. 2)
p glngly_921	False discovery rate (q-value) for experiment 921 (a.k.a. exp. 3)
fdr05 glngly_423	indicator column for FDR < 0.05 for experiment 423 (a.k.a. exp. 1)
fdr05 glngly_616	indicator column for FDR < 0.05 for experiment 616 (a.k.a. exp. 2)
fdr05 glngly_921	indicator column for FDR < 0.05 for experiment 921 (a.k.a. exp. 3)
MEAN PAGE Z Score	average z-score for three experiments
min FDR p-value	minimum q-value for all three experiments
abs_mean_z_score	absolute value of average z-score

† Parametric Analysis of Gene set Enrichment