

SI Materials and Methods

Mice

TPO^{Tg} (1) and *Mpl^{-/-}* (2) mice have been previously described. A targeting vector was constructed for generation of a modified *Mpl* allele via homologous recombination in embryonic stem (ES) cells in which an internal ribosome entry site (IRES)-GFP-FRT-PGK-neo-FRT-loxP cassette was inserted immediately downstream of the stop codon in exon 12, along with a loxP site in intron 10 (Fig 1). Chimeric mice were generated from an ES cell clone bearing the targeted locus and heterozygous offspring generated on a C57BL/6 background. The PGK-neo sequence was removed by intercrossing with transgenic mice ubiquitously expressing Flp recombinase (3). The resultant allele acts as a GFP reporter for expression from the *Mpl* locus (*Mpl^{fl/fl}*). When bred with deleter cre-expressing mice (4), germline deletion of exons 11 and 12, which encode the intracellular domain of the receptor, results in a null allele (*Mpl^{Delcre/Delcre}*). Specific inactivation of *Mpl* in megakaryocytes and platelets (*Mpl^{PF4cre/PF4cre}*) was achieved using the previously published *PF4-cre* mice (5). Experiments were performed using procedures approved by The Walter and Eliza Hall Institute of Medical Research Animal Ethics Committee.

Haematology and Histology

Analysis of erythrocytes and platelets for flow cytometry was performed after blood was suspended in buffered saline glucose citrate buffer (116 mM NaCl, 13.6 mM trisodium citrate, 8.6 mM Na₂HPO₄, 1.6 mM KH₂PO₄, 0.9 mM Na₂EDTA, 11.1 mM glucose). Single-cell suspensions from bone marrow were prepared in balanced salt solution (0.15 M NaCl, 4 mM KCl, 2 mM CaCl₂, 1 mM MgSO₄, 1 mM KH₂PO₄, 0.8 mM K₂HPO₄, and 15 mM N-2-hydroxyethylpiperazine-N'-2-ethanesulfonic acid supplemented with 2% [vol/vol] bovine calf serum). Clonal analysis of bone marrow cells (2.5x10⁴) and splenocytes (5x10⁴) was performed in 1 mL semisolid agar cultures of 0.3% agar in Dulbecco/s modified Eagles medium containing 20% newborn calf serum, stem cell factor (100 ng/mL), erythropoietin (2 U/mL), and interleukin-3 (10 ng/mL), incubated at 37°C for 7

days in a fully humidified atmosphere of 10% CO₂ in air. Cultures were fixed, dried onto glass slides, and stained for acetylcholinesterase, Luxol fast blue, and haematoxylin, and the number and type of colonies were determined. Liquid cultures of CD150⁺ progenitor cells for megakaryocyte generation was performed in StemPro-34 serum-free medium with nutrient supplement (Invitrogen) and TPO at 200ng/mL. For megakaryocyte ploidy analyses, bone marrow was collected into 1 mL of CATCH buffer (Hank's balanced salt solution with 3% BSA, 1.3 mM sodium citrate, 1 mM adenosine, 2 mM theophylline, and 3% FCS) and stained with FITC-conjugated anti-CD41 antibody (BD Pharmingen) on ice. Samples were incubated with propidium iodide (50 µg/mL in 3.4 mM sodium citrate) for 1 hour on ice, washed twice in CATCH buffer and aggregates were removed with a 100 µm sieve. Samples were treated with 50 µg/mL RNase H for 30 min at room temperature before analysis on a LSRII flow cytometer (Becton Dickinson). Femurs, sternii and spleens were fixed in 10% vol/vol buffered formalin and embedded in paraffin and 1- to 3-µm sections were stained with haematoxylin and eosin for megakaryocyte enumeration via light microscopy. Fluorescence microscopy was performed on individual megakaryocytes stained with Cyto64 (Invitrogen) and analysed using BD Pathway (Becton Dickinson) and Zeiss Live Cell Observer (C4.38, Ziess) with the GFP channel and phase channel.

Flow Cytometry

Staining was performed using rat anti-mouse biotinylated or fluorochrome-conjugated antibodies specific for Ter119 (Ly-76), Gr1 (Ly6G and Ly6C), Mac1 (CD11b), B220 (CD45R), CD4, CD8, CD41, CD16/32, Sca1 (Ly6A/E), CD48 (BD Pharmingen), cKit (CD117) and CD150 (Biolegend) and IL-7 receptor α (IL7R α), CD48, CD105, and CD9 (eBioscience). Secondary staining used streptavidin eFluor450 (BD Pharmingen). Cells were analyzed using a LSR Fortessa flow cytometer (Becton Dickinson), or cells were sorted using a FACSAria II (Becton Dickinson) flow cytometer after antibody staining with lineage depletion. For analysis of erythroid and platelet reconstitution by sorted progenitors, C57BL/6 mice were exposed to a single dose of 475c Gy of γ -

irradiation, and injected via the tail vein with 1000 progenitor cells sorted from mice expressing the *Aequorea victoria* green fluorescent protein (GFP) protein under the human ubiquitin C promoter, obtained from Jackson Laboratories (Maine, USA) (6). Blood from the tail was analyzed on days 4, 7 and 12 following transplantation.

Western blot analysis

Protein extracts were prepared from platelets or megakaryocytes in lysis buffer containing 1% (vol/vol) Triton X-100, 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 1 mM EDTA, freshly supplemented with 2 mM Na₃VO₄, 10 mM NaF, 1 mM PMSF, and complete protease inhibitor cocktail (Roche Diagnostics) after purification by centrifugation. Proteins were separated by SDS-PAGE using Novex 4-12% Bis-Tris NuPAGE gels, transferred to PVDF membrane. The PVDF membrane was first blocked with 1% BSA in phosphate-buffered saline containing 0.1% Tween 20, and further blocked with the Avidin-Biotin blocking kit from Invitrogen (Cat. No. 00-4303). The membrane was then probed with a biotinylated rat-anti-mouse Mpl mAb (clone AMM2) at 0.5 µg/mL (Cat. No. 10403, Immuno-Biological Laboratories Co., Ltd.), followed by reaction with 1:10,000 diluted NeutrAvidin-HRP (Cat. No. 31030, Pierce). The ECL reaction was performed with Millipore Luminata Forte and the membrane was exposed to Amersham ECL film (GE Healthcare) to visualise endogenous Mpl. The loading control protein β-actin was detected using a goat-anti-actin-HRP from Santa-Cruz.

Platelet life span

Blood was obtained by cardiac puncture into 0.1 volume of Aster-Jandl anticoagulant (85 mM sodium citrate, 69 mM citric acid, and 20 mg/ml glucose, pH 4.6). Platelet-rich plasma (PRP) was obtained by centrifugation at 125 g for 8 min, followed by centrifugation of the supernatant buffy coat at 125 g for 8 min. Platelets were washed by centrifugation at 860 g for 5 min in 140 mM NaCl, 5 mM KCl, 12 mM trisodium citrate, 10 mM glucose, and 12.5 mM sucrose, pH 6.0 (buffer

A). The platelet pellets were resuspended in PBS and platelets of the same genotype pooled and labeled with biotin (1 μ g/ml) 1 h at room temperature. The washed platelet pellets were resuspended in a small volume of PBS and platelet counts determined using Sphero blank calibration particles on a FACSCalibur flow cytometer. Platelet counts were adjusted to 2x10⁸ cells/ml and 200 μ l transfused per recipient C57BL/6 mouse (a total of 4x 10⁷ cells). Platelets were identified in PRP as being CD41-PE⁺ and the proportion of biotinylated (streptavidin-APC⁺) platelets remaining at each time point was assessed. 100% was set based on the mean value of the 1h and 3 h timepoints post transfusion per individual mouse.

Serum TPO measurement

Mice were bled by cardiac puncture, the blood transferred into BD microtainer serum separator gel tubes (Cat. No. 365968, Becton Dickinson) and allowed to clot at room temperature, and the serum separated by centrifugation. Commercial antibody-based ELISA test kits were used to detect TPO (Mouse Thrombopoietin Quantikine ELISA Kit, MTP00; R&D Systems).

Reverse transcription PCR

Liver RNA was prepared using Trizol (Life Technologies) according to the manufacturer's instructions and treated with RNase free DNase RQ1 (Promega) and 5 μ g was used for first strand cDNA synthesis using SuperScript II (Life Technologies). ~0.5 μ g of cDNA was then used in a Taqman PCR reaction with Universal PCR mastermix and murine TPO (Mm0043704_m1) and GAPDH (Mm00802090_m1) Taqman probes (Life Technologies) on an ABI 7900 Fast Real-Time PCR instrument (Applied Biosystems). TPO expression relative to GAPDH control were determined using SDS version 2.3 programme (Applied Biosystems) and expressed as Δ CT values.

Statistical Analysis

Student's unpaired two-tailed t-tests were used using GraphPad Prism v. 5.0a for Mac Os X (GraphPad Software), unless otherwise specified. Bonferroni correction for multiple testing was used where indicated.

LSK global gene expression analysis and bioinformatics

Total RNA was purified from 400,000 - 500,000 sorted LSK cells using the RNeasy Micro kit (Qiagen). RNA quality was assessed with the Agilent Bioanalyzer 2100 (Agilent Technologies) by using the Agilent RNA 6000 Nanokit (Agilent Technologies) according to the manufacturer's protocol. Up to 200ng of RNA was labelled with standard Total Prep RNA amplification kit (Ambion), and complementary RNA (1.5 µg) was hybridized to illumina Mouse WG-6 V2.0 Expression BeadChips according to Illumina standard protocols. Microarray data were analyzed by using the limma (Version 3.16.5) package of the Bioconductor open-source software project (www.bioconductor.org) in R (Version 3.0.1). Raw intensities were normalized by using the neqc function, which performs normexp background correction followed by quantile normalization by using control probes. Probes were filtered if not detected in any sample (detection p value, 0.05). Pairwise comparison was made by using linear modeling and empirical Bayes moderated t statistics and array quality weights (7). The false discovery rate (FDR) was controlled by using the Benjamini-Hochberg algorithm. Probes with $FDR < 0.05$ were judged to be differentially expressed. Rotational Gene set testing was performed using ROAST, using a set statistic of mean50 whereby significance occurs if greater than 25% of the set are differentially expressed, using gene sets weighted by log fold change, and 10^4 rotations (8). Results are displayed using the barcodeplot function in the limma Bioconductor package in R. Gene expression microarray data of CD34⁺ bone marrow cells from human patients with essential thrombocythemia were obtained from the Gene Expression Omnibus (GSE9827, (9)), and analysed using affy (Version 1.34.0), rma normalisation, and limma packages in R as described.

Supplementary Figure and Table Legends

Supplementary Fig. 1. Activity of cre recombinase in PF4-cre mice.

(A) *PF4-cre* activity indicated by EYFP expression in CD150^{hi}CD9^{hi} bone marrow megakaryocytes and CD41⁺ peripheral blood platelets in *Rosa26EYFP^{PF4cre}* (red) mice compared to *Rosa26EYFP^{fl}* negative controls (blue), but not in peripheral blood Ter119⁺ erythrocytes, or bone marrow Gr1/Mac1⁺ myeloid cells, B220⁺ lymphocytes, CD4⁺ or CD8⁺ T-lymphocytes.

(B) Representative flow cytometry profiles of LSK (brown) PreGM (grey), GMP (green), BEMP (purple), CD150⁺CD9^{hi} (black) CD150⁺FcγR⁺ (red), PreCFU-E (yellow) and CFU-E (orange) cell populations analysed.

(C) Representative plot of EYFP expression (upper panel) in the CD150⁺FcγR⁺ progenitor cells in *Rosa26EYFP^{PF4cre}* and control *Rosa26EYFP^{fl}* mice. Barplot (lower panel) of mean fluorescent intensity (MFI) in arbitrary units of EYFP in defined *Rosa26EYFP^{PF4cre}* cell populations relative to *Rosa26EYFP^{fl}* controls with standard deviations shown. * = $P < 0.02$.

Supplementary Fig. 2. Characterisation of CD150⁺FcγR⁺ progenitor cells.

(A) Representative flow cytometry plot of Lin⁻Sca-1⁻Kit⁺ cells defining the CD150⁺FcγR⁺ bone marrow population from a *Mpl^{+/+}* mouse. Viable cells per femur shown with standard deviation from n=4 mice at 8-10 weeks of age.

(B) Colony assay of 400 sorted GMP granulomonocytic progenitor and CD150⁺FcγR⁺ cells cultured for 7 days in a cytokine cocktail of SCF (100 ng/mL), IL3 (10 ng/mL) and erythropoietin (EPO, 2 U/mL). Blast; blast colony, G; granulocyte, GM; granulocyte-macrophage, M; macrophage, Eo; eosinophil, Meg; megakaryocyte, MegE; megakaryocyte-erythroid, MegI; megakaryocyte-immature, E; erythroid colonies. * = $P_{adj} < 0.05$ correction for multiple testing.

(C) Erythrocyte and platelet production from 1000 transplanted CD150⁺FcγR⁺ or GMP cells marked with green-fluorescent protein (6) following injection into sublethally irradiated recipient

mice. Platelets and red blood cells were measured at 4, 7, and 12 days following transplantation and cell numbers expressed as the proportion of GFP⁺ cells of the total number of platelets or red blood cells shown as a percentage, with 2-3 independent donors and 4 recipients per donor. Mean and standard deviation shown.

Supplementary Fig. 3. *Mpl* expression in *Mpl*^{PF4cre/PF4cre} mice.

(A) Expression of the *Mpl-GFP* reporter in *Mpl*^{fl/fl} and *Mpl*^{PF4cre/PF4cre} megakaryocytes by flow cytometry (upper panel) and live cell imaging (lower panels). Megakaryocytes were generated from Kit⁺Sca-1⁻CD150⁺ progenitors cultured in TPO for 4 days. For imaging, individual megakaryocytes were analysed using BD Pathway (Becton Dickinson) and Zeiss Live Cell Observer (C4.38) with GFP channel and phase channel.

(B) Expression of the *Mpl-GFP* reporter in platelets (CD41⁺) and erythrocytes (Ter119⁺) from blood, and in B220⁺ B-lymphoid, CD4⁺ or CD8⁺ T-lymphoid and Gr1/Mac1⁺ myeloid cells in the bone marrow of *Mpl*^{fl/fl} (red) and *Mpl*^{PF4cre/PF4cre} mice (green). *Mpl*^{Delcre/Delcre} mice (blue) were included as a negative control.

(C) Representative flow cytometric gating strategy and expression of Mpl in hematopoietic cell populations from *Mpl*^{fl/fl} (top panels) and *Mpl*^{PF4cre/PF4cre} (bottom panels) mice by flow cytometry using anti-Mpl antibody (red, with isotype control staining in blue).

(D) Representative flow cytometric gating strategy and expression of the *Mpl-GFP* reporter in LSK and progenitor populations in *Mpl*^{fl/fl} (red), *Mpl*^{PF4cre/PF4cre} (green) and control *Mpl*^{Delcre/Delcre} mice (blue).

Supplementary Fig. 4. Megakaryocytosis, platelet survival curves and platelet half-life in *Mpl*^{PF4cre/PF4cre}

(A) Histological sections of bone marrow from *Mpl*^{+/+}, *Mpl*^{fl/fl}, *Mpl*^{Delcre/Delcre} and *Mpl*^{PF4cre/PF4cre} mice. Haematoxylin and eosin staining of representative sections at 200x magnification. Images were acquired with a Zeiss Axioplan-2 microscope 20x/0.30 DIC L objective with AxioCam HrC and AxioVision Version 3.1 image-acquisition software.

(B) Platelets were purified from male *Mpl*^{PF4cre/PF4cre} and *Mpl*^{fl/fl} control mice, labelled with NHS-biotin and transfused into wild type C57Bl/6 male mice. Platelets were identified as being CD41^{+ve} and the proportion of biotinylated (streptavidin^{+ve}) platelets remaining at each time point was assessed. n=17 mice received *Mpl*^{PF4cre/PF4cre} platelets and n=9 *Mpl*^{fl/fl} control platelets. Data is combined from 2 separate experiments and represent mean ± standard deviation.

Supplementary Fig. 5. Enumeration of progenitor cells in *Mpl*^{PF4cre/PF4cre} mice.

Representative flow cytometry profiles and gating strategies for analysis of cell populations from bone marrow of *Mpl*^{+/+}, *Mpl*^{fl/fl}, *Mpl*^{Delcre/Delcre}, *Mpl*^{PF4cre/PF4cre} and *TPO*^{Tg} mice. The mean number of each population is shown as viable cells per femur ± standard deviation (*Mpl*^{+/+} n= 4, *Mpl*^{fl/fl} n=8, *Mpl*^{Delcre/Delcre} n=3, *Mpl*^{PF4cre/PF4cre} n=6, and *TPO*^{Tg} n=5). * = $P_{adj} < 0.05$ compared to *Mpl*^{fl/fl} and ** = $P_{adj} < 0.05$ compared to *Mpl*^{+/+} with correction for multiple testing.

Supplementary Fig. 6. Recloning potential of *Mpl*^{PF4cre/PF4cre} blast colony-forming pre-progenitor cells

Primary cultures were prepared using 25,000 bone marrow cells from *Mpl*^{fl/fl}, *Mpl*^{PF4cre/PF4cre} and *TPO*^{Tg} mice stimulated with 100ng/mL stem cell factor (SCF) and 100 ng/mL IL-6. Individual primary blast colonies were picked, and replated for 7 days in secondary cultures stimulated by 100 ng/mL SCF, 10 ng/mL IL-3 and 2 U/mL erythropoietin and the type and number of colonies scored after 7 days. The number of colonies of secondary blast, megakaryocyte, granulocyte, granulo-

macrophage, macrophage and eosinophil colonies that developed is shown for 20 ($Mpl^{fl/fl}$, $Mpl^{PF4cre/PF4cre}$) and 40 (TPO^{Tg}) independent recloned blast colonies, with the mean number of colonies for each colony type across all three genotypes shown (dotted line). * = $P < 0.009$ by Chi-Squared test for proportions using the proportion of colonies greater than the overall mean colony number when comparing $Mpl^{PF4cre/PF4cre}$ and TPO^{Tg} primary blast colonies to expected proportions from $Mpl^{fl/fl}$ primary blast colonies.

Supplementary Fig. 7. Gene expression changes in CD34⁺ cells of patients with essential thrombocythemia

Barcode plot. TPO^{Tg} "TPO stimulated" and $Mpl^{-/-}$ "TPO starved" signature genes (Table S3, S4) can distinguish between CD34⁺ bone marrow cells of patients with essential thrombocythemia from controls ((9) GEO database GSE9827, $P = 8 \times 10^{-4}$). P value derived from rotational gene set testing using ROAST with the TPO^{Tg} "TPO stimulated" LSK signature and $Mpl^{-/-}$ "TPO starved" signature weighted by positive and negative log fold-change respectively (see *SI Material and Methods*). Red bars designate upregulated genes in the TPO^{Tg} "TPO stimulated" LSK signature set; blue bars designate $Mpl^{fl/fl -/-}$ "TPO starved" LSK signature set.

Supplementary Table 1. Immunophenotypic definitions of bone marrow stem and progenitor cell populations.

Supplementary Table 2. Differentially expressed genes in $Mpl^{PF4cre/PF4cre}$ LSKs compared to $Mpl^{fl/fl}$ LSKs.

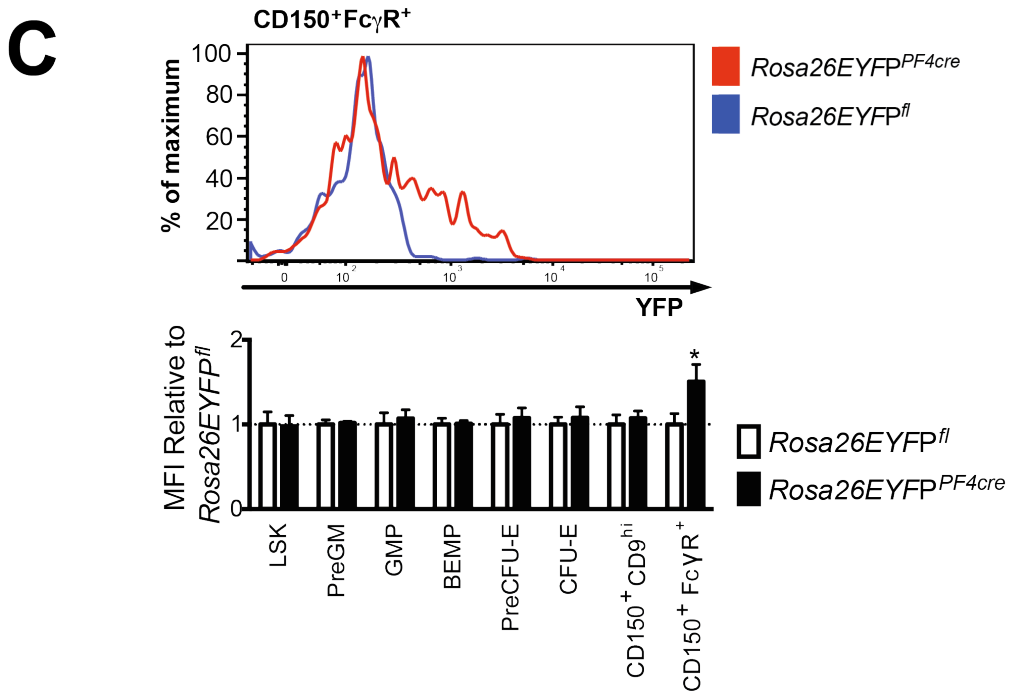
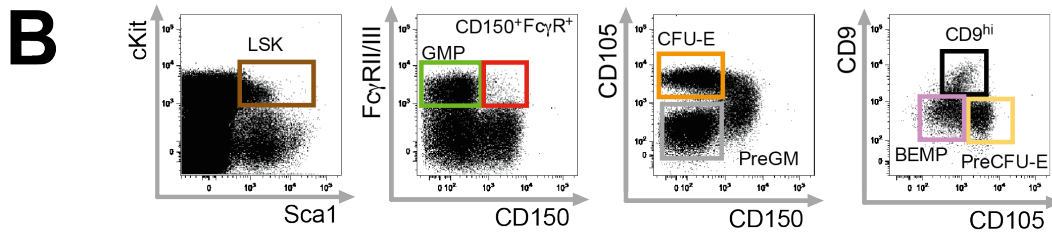
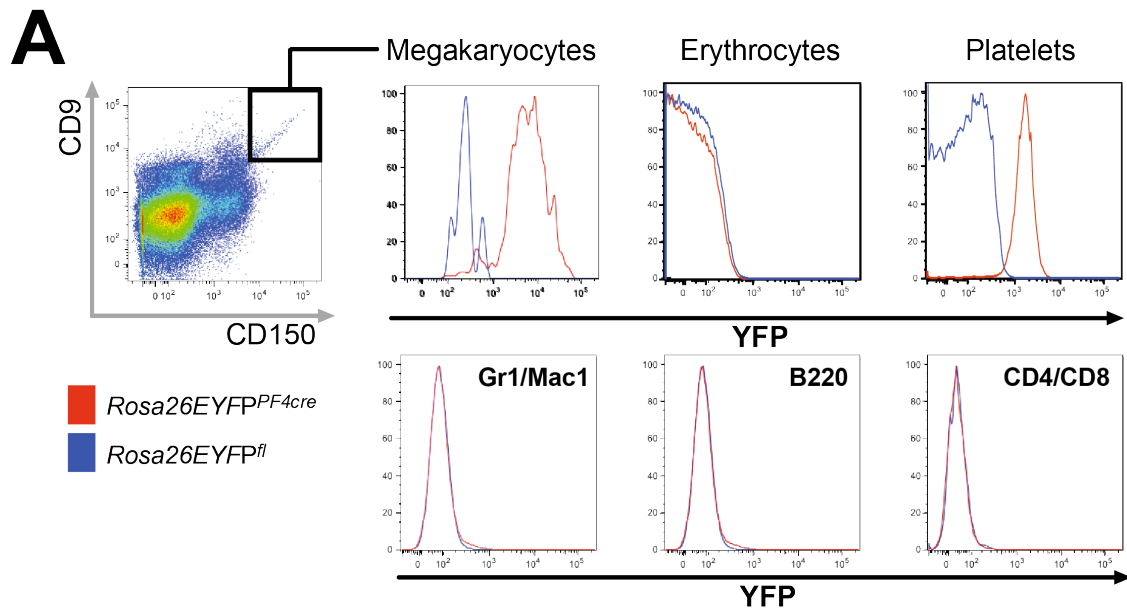
Supplementary Table 3. Gene signatures of upregulated genes in TPO^{Tg} LSKs compared to $Mpl^{+/+}$ LSKs.

Supplementary Table 4. Gene signatures of upregulated genes in $Mpl^{-/-}$ LSKs compared to $Mpl^{+/+}$ LSKs.

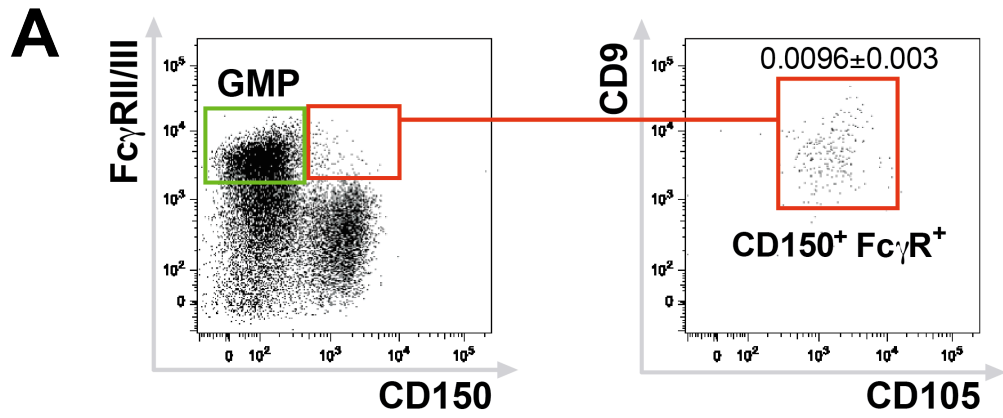
References

1. de Graaf CA, *et al.* (2010) Regulation of hematopoietic stem cells by their mature progeny. *Proceedings of the National Academy of Sciences of the United States of America* 107(50):21689-21694.
2. Alexander WS, Roberts AW, Nicola NA, Li R, & Metcalf D (1996) Deficiencies in progenitor cells of multiple hematopoietic lineages and defective megakaryocytopoiesis in mice lacking the thrombopoietic receptor c-Mpl. *Blood* 87(6):2162-2170.
3. Farley FW, Soriano P, Steffen LS, & Dymecki SM (2000) Widespread recombinase expression using FLPeR (flipper) mice. *Genesis* 28(3-4):106-110.
4. Schwenk F, Baron U, & Rajewsky K (1995) A cre-transgenic mouse strain for the ubiquitous deletion of loxP-flanked gene segments including deletion in germ cells. *Nucleic acids research* 23(24):5080-5081.
5. Tiedt R, Schomber T, Hao-Shen H, & Skoda RC (2007) Pf4-Cre transgenic mice allow the generation of lineage-restricted gene knockouts for studying megakaryocyte and platelet function in vivo. *Blood* 109(4):1503-1506.
6. Schaefer BC, Schaefer ML, Kappler JW, Marrack P, & Kedl RM (2001) Observation of antigen-dependent CD8+ T-cell/ dendritic cell interactions in vivo. *Cellular immunology* 214(2):110-122.
7. Ritchie ME, *et al.* (2006) Empirical array quality weights in the analysis of microarray data. *BMC bioinformatics* 7:261.
8. Wu D, *et al.* (2010) ROAST: rotation gene set tests for complex microarray experiments. *Bioinformatics* 26(17):2176-2182.
9. Catani L, *et al.* (2009) Molecular profile of CD34+ stem/progenitor cells according to JAK2V617F mutation status in essential thrombocythemia. *Leukemia* 23(5):997-1000.

Supplementary Figure 1

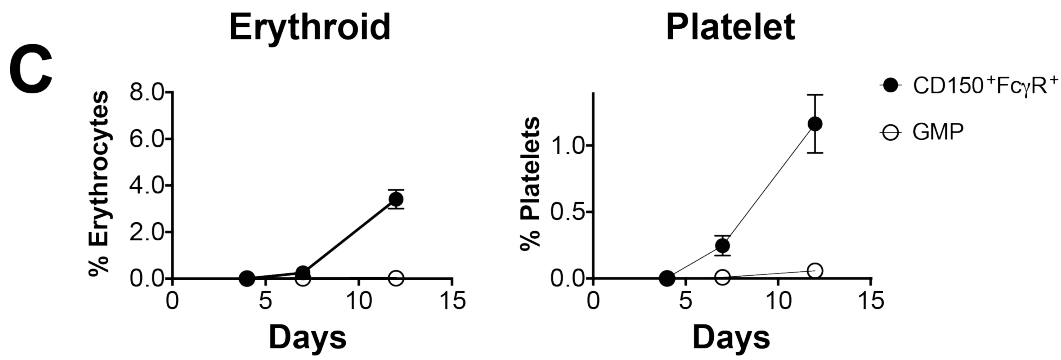


Supplementary Figure 2

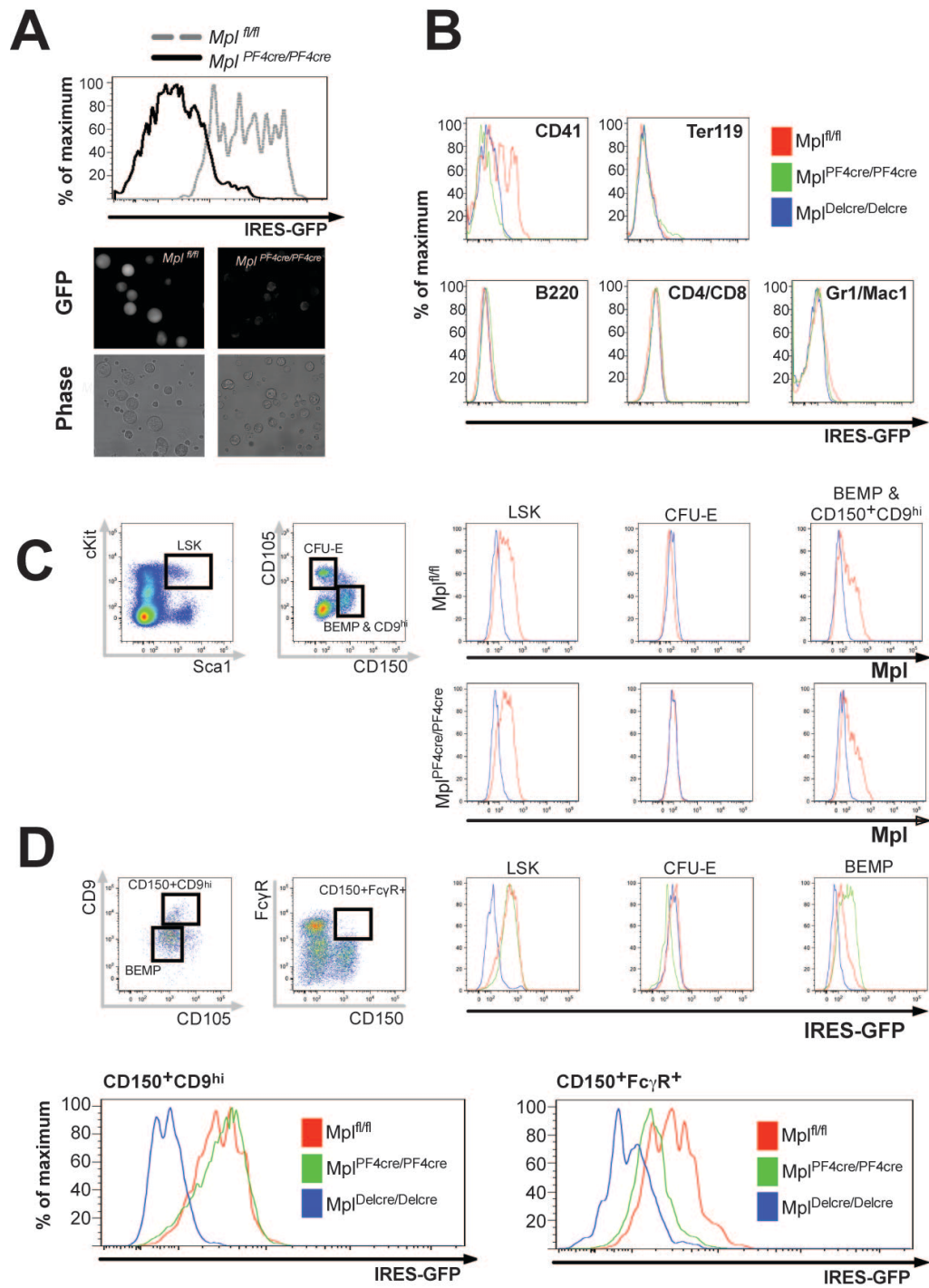


B

	Blast	G	GM	M	Eo	Meg	Meg/E	Meg/l	E
GMP	0.0 ± 0.0	58.3 ± 15.0*	6.7 ± 4.2	10.0 ± 3.5*	1.7 ± 1.2	0.0 ± 0.0	0.0 ± 0.0	0.0 ± 0.0	0.0 ± 0.0
CD150+ FcγR+	3.0 ± 0.0*	5.0 ± 1.0	7.3 ± 7.5	1.3 ± 0.6	0.0 ± 0.0	57.0 ± 15.5*	9.0 ± 1.0*	4.0 ± 4.0	7.3 ± 2.5*

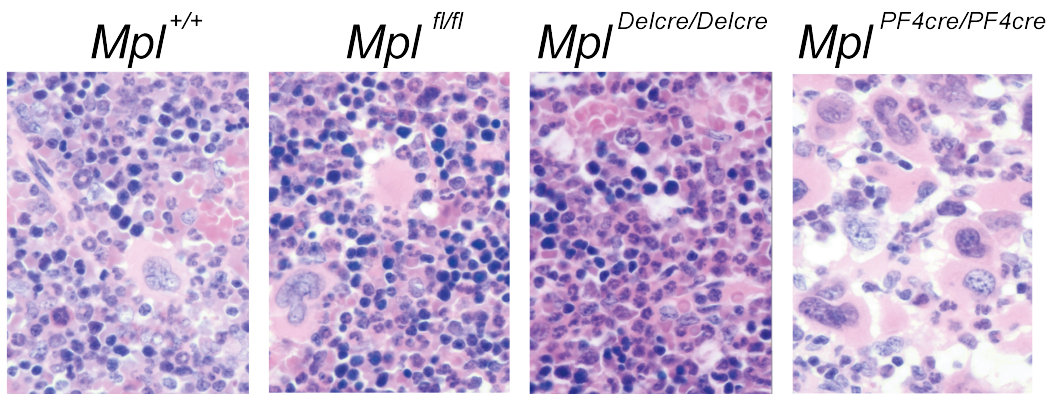


Supplementary Figure 3

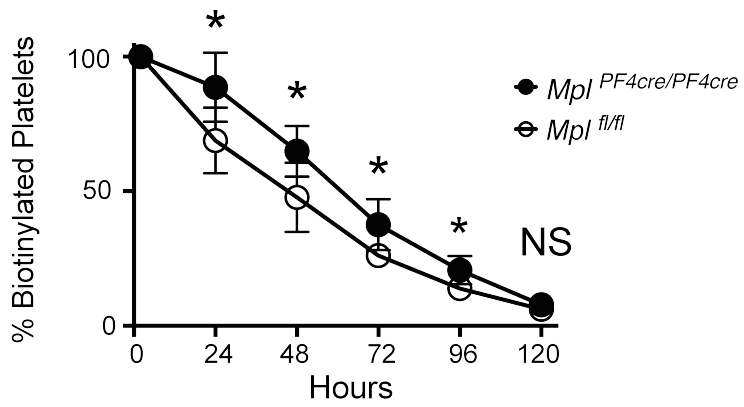


Supplementary Figure 4

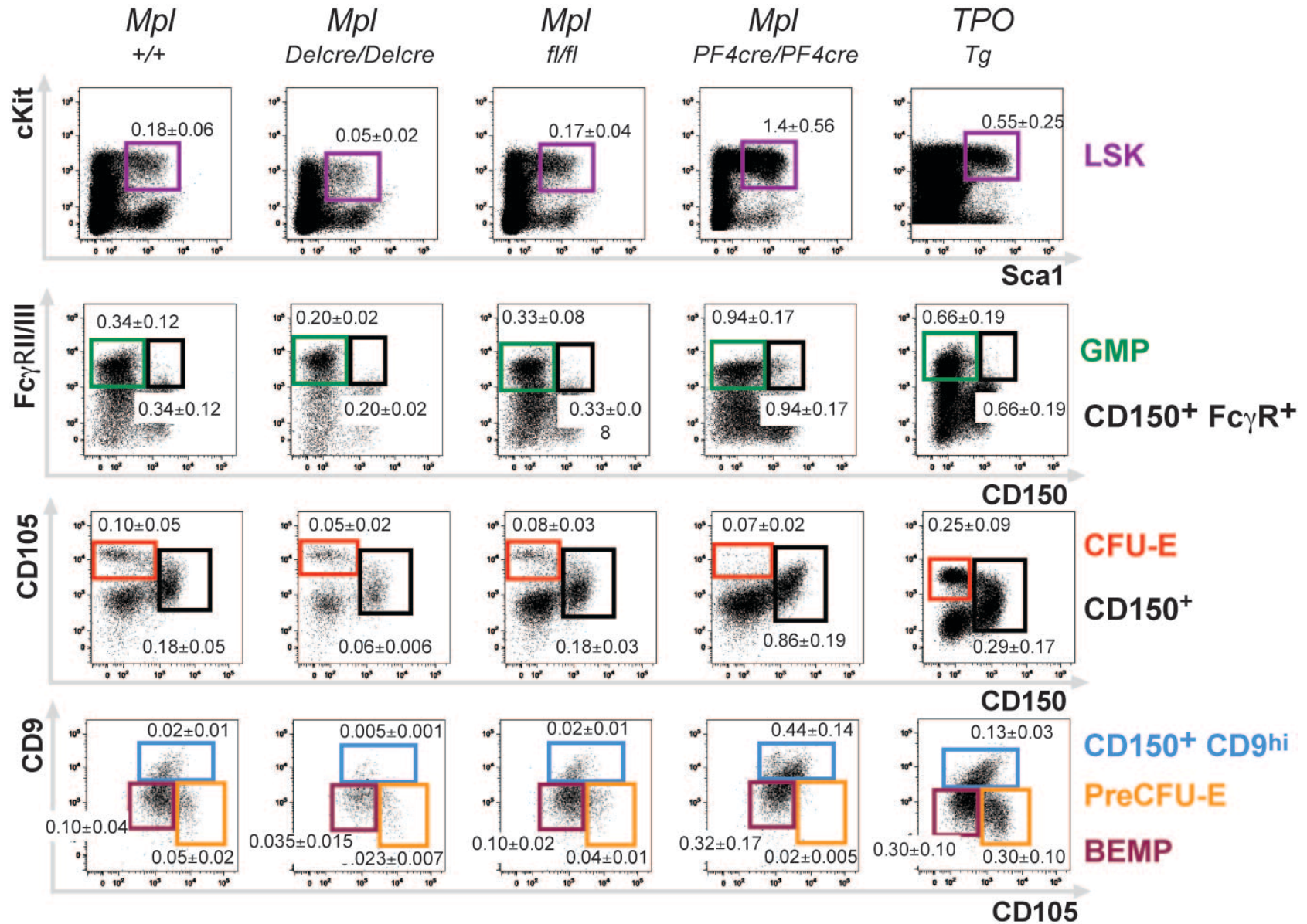
A



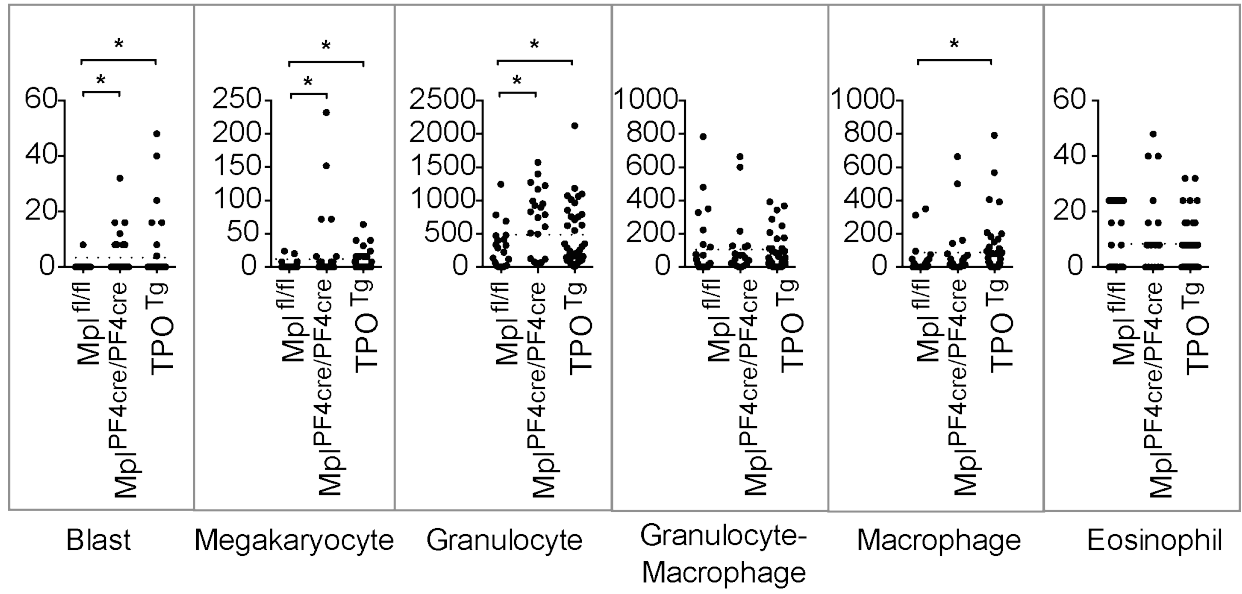
B



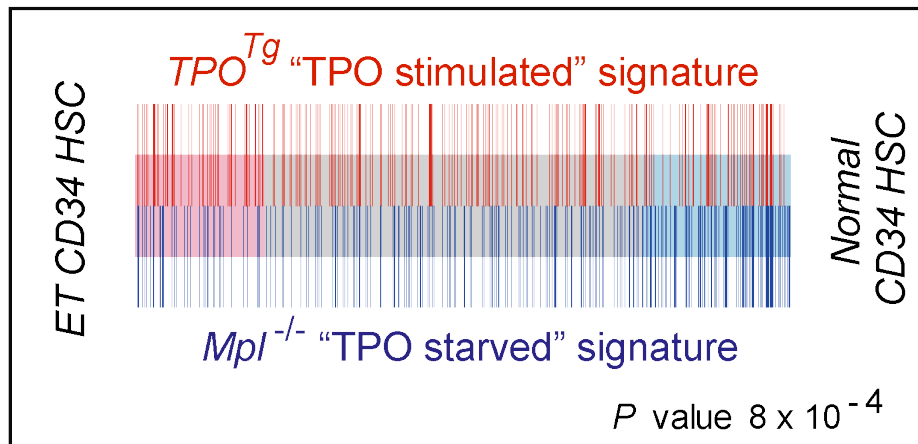
Supplementary Figure 5



Supplementary Figure 6



Supplementary Figure 7



Supplementary Table 1. Immunophenotypic definitions of bone marrow stem and progenitor cell populations

Bone Marrow Subset	Immunophenotype
LSK	Lineage ⁻ Sca-1 ⁺ Kit ⁺
PreGM, pre-granulocyte macrophage	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁻ Endoglin ⁻ FcγRII/III ⁻
GMP, granulocyte-macrophage	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁻ Endoglin ⁻ FcγRII/III ⁺
BEMP, bipotential erythroid megakaryocyte	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁺ FcγRII/III ^{lo} Endoglin ^{lo} CD9 ^{lo}
CD150 ⁺ CD9 ^{hi} , CD9 ^{hi} bipotential erythroid megakaryocyte	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁺ FcγRII/III ^{lo} Endoglin ^{lo} CD9 ^{hi}
CD150 ⁺ FcγR ⁺ , FcγRII/III ⁺ bipotential erythroid megakaryocyte	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁺ FcγRII/III ⁺ Endoglin ^{lo} CD9 ^{hi}
PreCFU-E, pre-colony forming unit erythroid	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁺ FcγRII/III ⁻ Endoglin ^{hi} CD9 ^{lo}
CFU-E, colony forming unit erythroid	Lineage ⁻ IL7Rα ⁻ cKit ⁺ Sca1 ⁻ CD150 ⁻ FcγRII/III ⁻ Endoglin ^{hi}

Supplementary Table 2: Gene expression changes in MplPF4cre/PF4cre LSKs versus Mplfl/fl LSKs. This table shows log2 fold changes for genes that are significantly differentially expressed between MplPF4cre/PF4cre LSKs versus Mplfl/fl LSKs. These data were generated from samples which were obtained using the Illumina gene expression platform described in SI Materials and Methods.

ID	GeneRef	Symbol	Log Fold Change
ILMN_2893879	NM_024228.2	GDPD3	4.417589681
ILMN_2806439	NM_182959.2	SLC17A8	4.106250725
ILMN_2628178	NM_007706.3	SOCS2	3.793305954
ILMN_2604494	NM_013723.2	PODXL	3.143256824
ILMN_1249975	XM_001001076.2	IGHG	3.047952954
ILMN_1232989	NM_020578.2	EHD3	2.95407174
ILMN_2742042	NM_019738.1	NUPR1	2.838747695
ILMN_3160292	NM_001013785.2	AKR1C19	2.787071019
ILMN_2519673	NM_011708.3	VWF	2.763435158
ILMN_2931334	NM_021283.1	IL4	2.746914709
ILMN_2731908	XM_358637.1	6330405H19	2.66024107
ILMN_2947526	NM_007899.1	ECM1	2.555062578
ILMN_2772264		IGH-VJ558	2.553948885
ILMN_2735184	NM_009929.2	COL18A1	2.503182448
ILMN_2663403	XM_001481237.1	LOC100043918	2.417915348
ILMN_2741096	NM_011595.2	TIMP3	2.367492865
ILMN_2653205	NM_001001999.1	GP1BB	2.352553829
ILMN_2727153	XM_001475611.1	LOC100046120	2.329131739
ILMN_2672190	NM_010495.2	ID1	2.265837667
ILMN_2690938	NM_145920.2	EVC2	2.258734949
ILMN_2744603	NM_177157.4	GCHFR	2.255678813
ILMN_1218890	XM_355056.1	LOC381140	2.219746019
ILMN_2913222	NM_001025103.1	EFCAB4A	2.17775702
ILMN_1222734	NM_013467.3	ALDH1A1	2.162368179
ILMN_1249378	NM_011498.4	BHLHB2	2.1444236
ILMN_2729252	XR_002313.1	5830431A10RIK	2.130733702
ILMN_2624854	NM_008183.3	GSTM2	2.111379146
ILMN_2621012	NM_028030.3	RBPM52	2.10830024
ILMN_2761205	NM_030704.1	HSPB8	2.081339257
ILMN_1250340		A630055A13RIK	2.059023543
ILMN_3151149	NM_001033851.1	CPNE8	2.037449165
ILMN_2687547	NM_138741.1	SDPR	2.034676275
ILMN_1231030	NM_009328.2	TCF15	2.006680258
ILMN_2805372	NM_021359.2	ITGB6	2.000245472
ILMN_2879588	NM_175386.3	LHFP	1.99695033
ILMN_2718330	NM_009895.3	CISH	1.99670333
ILMN_2720663	NM_001025103.1	EFCAB4A	1.995450598
ILMN_1232263	NM_021542.4	KCNK5	1.990534222
ILMN_2908435	NM_023785.1	PPBP	1.989919717
ILMN_2602938	NM_133888.2	SMPDL3B	1.975564277

ILMN_2504823	NM_172570.4	TRIM47	1.967811106
ILMN_2815138	NM_010867.1	MYOM1	1.963073371
ILMN_2638114	NM_008973.2	PTN	1.943555042
ILMN_2696040	NM_013582.2	LHCGR	1.903849718
ILMN_2888940	NM_026983.1	1810033M07RIK	1.893173391
ILMN_2846194	NM_026728.1	ECHDC2	1.870844816
ILMN_1251449	NM_008183.2	GSTM2	1.858072868
ILMN_2635272	XM_001472091.1	IGH-VJ558	1.845753524
ILMN_2731901	NM_011311.1	S100A4	1.828502459
ILMN_2757966	NM_019932.2	CXCL4	1.813989839
ILMN_2653567	NM_023275.2	RHOJ	1.803535084
ILMN_2623393	NM_009692.2	APOA1	1.800137624
ILMN_1228783	XR_031250.1	LOC100043986	1.798585737
ILMN_2653207	NM_011565.2	TEAD2	1.787800454
ILMN_1214322		C630030D09RIK	1.780179325
ILMN_2867696	NM_183016.1	CDC42BPB	1.770171397
ILMN_2777019	NM_012046.2	SPO11	1.763863473
ILMN_2757634	NM_027828.2	FAM110C	1.759506888
ILMN_2778279	NM_008036.2	FOSB	1.758311127
ILMN_2498471	NM_008986.2	PTRF	1.755941674
ILMN_2706562	NM_021292.1	EVC	1.745935181
ILMN_1227494		EGR3	1.740650565
ILMN_2619983	NM_008304.2	SDC2	1.736964253
ILMN_1241903	NM_010637.2	KLF4	1.736904789
ILMN_1225422	XM_001471648.1	LOC100048807	1.734804788
ILMN_2488846	NM_016712.2	TMOD4	1.727336362
ILMN_1230696	XM_148393.1	IGL-V1	1.727238584
ILMN_2692615	NM_009373.3	TGM2	1.723842573
ILMN_2836386	NM_011888.2	CCL19	1.722311092
ILMN_2721571	NM_013730.4	SLAMF1	1.718408948
ILMN_1247691	NM_008235.2	HES1	1.700746132
ILMN_1228102	NM_023785.2	PPBP	1.695105142
ILMN_2670775	XM_916109.2	C530008M17RIK	1.694062061
ILMN_3153940	NM_178680.3	UNC45B	1.689348295
ILMN_2911123	NM_010575.1	ITGA2B	1.683124664
ILMN_2790357	NM_011352.2	SEMA7A	1.675800336
ILMN_2522127		MYO1E	1.674434829
ILMN_2706819	NM_026878.1	RASL11B	1.671072321
ILMN_1224607		D930046M13RIK	1.636389608
ILMN_3160137	NM_009657.3	ALDOC	1.635258187
ILMN_1221016	NM_009662.2	ALOX5	1.633119359
ILMN_1230143	NM_028967.1	BATF2	1.630666912
ILMN_2510474	NM_001002272.2	TRO	1.620885289
ILMN_1219074	NM_011408.1	SLFN2	1.615781901
ILMN_2680054	NM_053078.3	D0H4S114	1.615525487
ILMN_2623983	NM_010118.1	EGR2	1.606425853

ILMN_1253182	NM_010474.1	HS3ST1	1.60338397
ILMN_2721385	NM_134448.2	DST	1.595748154
ILMN_2689998	NM_010218.2	FJX1	1.579539486
ILMN_2667805	NM_021515.2	AK1	1.573365756
ILMN_2822579	NM_009932.2	COL4A2	1.567607223
ILMN_1253504	NM_010284.2	GHR	1.567099515
ILMN_3159826	NM_001042607.1	RYK	1.559381318
ILMN_1224866	NM_008969.3	PTGS1	1.557278536
ILMN_1256907	NM_008783.1	PBX1	1.556932189
ILMN_1213278	NM_146145.2	JAK1	1.555683354
ILMN_2625855	NM_027127.2	GPX8	1.554149762
ILMN_1219471	NM_139300.3	MYLK	1.552201911
ILMN_1236595	NM_029983.4	SLA2	1.54829243
ILMN_1215372	NM_021423.1	SHANK3	1.547544669
ILMN_2619408	NM_007498.2	ATF3	1.546484862
ILMN_1232402	NM_177546.2	PCYT1B	1.545494958
ILMN_2805375	NM_021359.2	ITGB6	1.532641512
ILMN_2753687	NM_172525.2	ARHGAP29	1.532322323
ILMN_2745370	NM_133670.1	SULT1A1	1.529865552
ILMN_2789900	NM_026862.3	CD177	1.527127352
ILMN_2633062		9130422G05RIK	1.526414028
ILMN_1228983		E330039I02RIK	1.521737664
ILMN_2789862	NM_177897.3	B4GALNT4	1.515621296
ILMN_1237375	NM_009127.3	SCD1	1.515584992
ILMN_1219298	NM_026639.2	ART4	1.514911973
ILMN_2999439	NM_010637.1	KLF4	1.497186613
ILMN_2982781	NM_021542.2	KCNK5	1.496250584
ILMN_1242977	NM_008268.1	HOXB5	1.493062079
ILMN_2513781		A130038J17RIK	1.486820317
ILMN_2733915	NM_011866.2	PDE10A	1.481154638
ILMN_1251451	XM_132608.2	LOC232060	1.477872281
ILMN_2519313	NM_016712.2	TMOD4	1.477442075
ILMN_1212907	NM_175514.2	FAM171B	1.476837731
ILMN_1230281	NM_052976.3	OPHN1	1.474106456
ILMN_2959291	NM_009477.1	UPP1	1.47249374
ILMN_2834764	NM_175271.2	GPR23	1.463064627
ILMN_1228038	XM_001474240.1	LOC100045419	1.458570173
ILMN_2793062	NM_026878.1	RASL11B	1.450758162
ILMN_2745775	XM_135590.2	LOC213684	1.443440271
ILMN_1244460	NM_010107.3	EFNA1	1.434339426
ILMN_2598083	NM_134032.1	HOXB2	1.432275971
ILMN_2754985	NM_009344.1	PHLDA1	1.43134284
ILMN_1228748	NM_008260.2	FOXA3	1.431243163
ILMN_1222500	XM_001477552.1	LOC100047162	1.431092644
ILMN_2609868	XM_110660.4	AI427122	1.429543774
ILMN_1236465	NM_010170.4	F2RL2	1.428894373

ILMN_2425029	NM_009434.2	PHLDA2	1.427134479
ILMN_2657828	NM_010117.1	RHBDF1	1.426846824
ILMN_2756632	NM_144805.1	TMEM40	1.422929821
ILMN_1255967		B430216N15RIK	1.420686647
ILMN_2706587	NM_009386.1	TJP1	1.419452006
ILMN_2712120	NM_011313.2	S100A6	1.411611708
ILMN_2722893	XM_912852.2	LOC637227	1.41158871
ILMN_2635895	NM_008880.2	PLSCR2	1.409752024
ILMN_2813487	NM_011065.2	PER1	1.40839052
ILMN_2645275	NM_138656.1	MVD	1.40628041
ILMN_1216374	NM_021715.1	CHST7	1.40513511
ILMN_1221153		DSG2	1.404904238
ILMN_2467007		2810484G07RIK	1.403570887
ILMN_2618714	NM_011057.2	PDGFB	1.402739399
ILMN_1239076	XM_985182.1	EG666648	1.40075441
ILMN_2625854	NM_027127.1	2310016C16RIK	1.400675356
ILMN_2645321	NM_009236.2	SOX18	1.399681659
ILMN_2467151		CYP11A1	1.398126143
ILMN_2621643	NM_009931.1	COL4A1	1.39442559
ILMN_2862470	NM_008183.2	GSTM2	1.389575318
ILMN_2732623	NM_010575.1	ITGA2B	1.385312368
ILMN_1232261	NM_018761.2	CTNNAL1	1.37598513
ILMN_2813484	NM_011065.2	PER1	1.374893745
ILMN_2591425	NM_021896.4	GUCY1A3	1.374559383
ILMN_2956942	NM_028444.1	PRKCDBP	1.3680135
ILMN_2985836	NM_146174.1	FAM115C	1.367936815
ILMN_2492170	NM_001034097.1	TNFSF12-TNFSF13	1.365164724
ILMN_2474239		SLA2	1.359563782
ILMN_2776969	NM_023898.4	PDE6H	1.358589715
ILMN_2680533	NM_008185.2	GSTT1	1.355774612
ILMN_2740852	NM_010169.3	F2R	1.354279918
ILMN_2663083	NM_010190.1	FCNB	1.352889539
ILMN_1215252	NM_007554.2	BMP4	1.349297163
ILMN_1227577	NM_001081155.1	RAP1GAP	1.349254982
ILMN_1248099	NM_028266.4	COL16A1	1.349166367
ILMN_3112219	NM_001039543.1	MLF1	1.342101332
ILMN_2694170	NM_011925.1	CD97	1.34182618
ILMN_1253579		BC038881	1.341031521
ILMN_1229343	NM_001083341.1	MBOAT2	1.337095117
ILMN_2733314	NM_029879.2	RGS7BP	1.336838157
ILMN_2623591	NM_009685.2	APBB1	1.335728721
ILMN_1218525	NM_008365.1	IL18R1	1.33195971
ILMN_2607112	NM_009662.2	ALOX5	1.323711699
ILMN_1230479	NM_010144.2	EPHB4	1.323510571
ILMN_2624630	NM_010190.1	FCNB	1.318183036
ILMN_2939503	NM_153392.1	TTC39A	1.316850274

ILMN_1248713	NM_007976.2	F5	1.310219355
ILMN_2429437	NM_144819.2	CCDC92	1.300199824
ILMN_1228944		CCNC	1.298612643
ILMN_2998313	NM_153163.3	CADPS2	1.296203736
ILMN_2596560	NM_001005740.1	PHACTR1	1.294740952
ILMN_2888552	NM_018861.2	SLC1A4	1.291830819
ILMN_2708203	NM_009876.3	CDKN1C	1.291610507
ILMN_2627140	XM_283804.7	9830001H06RIK	1.290962375
ILMN_1242617		GPR23	1.284128851
ILMN_2713305	NM_172647.2	F11R	1.282068951
ILMN_1226499	NM_010823.1	MPL	1.277651896
ILMN_2739303	NM_172523.2	SLC18A2	1.277032396
ILMN_1258283	NM_008518.1	LTB	1.275048306
ILMN_2641678	NM_027208.1	BDH2	1.273286079
ILMN_2782248	NM_026037.2	MBOAT2	1.272428719
ILMN_2687165	NM_018763.1	CHST2	1.270937296
ILMN_1236953	NM_027834.2	9130008F23RIK	1.267302815
ILMN_1226326	XM_001471751.1	4933417E01RIK	1.263656559
ILMN_2829604	NM_007378.1	ABCA4	1.26150178
ILMN_2725370	NM_009582.3	MAP3K12	1.260710626
ILMN_1220280	NM_031867.1	TAS1R1	1.259249831
ILMN_2535430	XM_357131.1	LOC383576	1.248768936
ILMN_2703392	XM_001479188.1	LOC100047937	1.246993453
ILMN_2959293	NM_009477.1	UPP1	1.246200593
ILMN_2592059	NM_019763.2	SPEN	1.24580428
ILMN_2640248	NM_001081171.2	LAMA5	1.244521482
ILMN_1222258	NM_011845.2	MID2	1.24316606
ILMN_2732747	XR_031569.1	LOC100044934	1.241403324
ILMN_1217839	NM_138742.1	NAP1L3	1.240967652
ILMN_2757574	XM_357002.1	2410072D24RIK	1.240776741
ILMN_2702444	NM_172753.3	CSGALNACT1	1.238430479
ILMN_1236298	NM_177788.4	EXOC3L	1.236384282
ILMN_2814168	NM_011925.1	CD97	1.235659616
ILMN_1231720	NM_013866.2	ZFP385A	1.233979746
ILMN_2694175	NM_011925.1	CD97	1.233819831
ILMN_1226114	NM_175260.2	MYH10	1.230716631
ILMN_3052390	NM_001001881.1	2510009E07RIK	1.230429917
ILMN_2662602	NM_139300.3	MYLK	1.230252943
ILMN_2598374	NM_144819.2	CCDC92	1.229443251
ILMN_1222824	NM_138606.2	PIM2	1.228605318
ILMN_2998738	NM_198657.1	EG381438	1.22711086
ILMN_2486573	NM_009506.2	VEGFC	1.226945353
ILMN_1247894	NM_033174.2	SNURF	1.226400837
ILMN_2594031	NM_144847.1	NRBP2	1.222497157
ILMN_2462456	XM_283804.7	9830001H06RIK	1.220796319
ILMN_2819951	NM_172814.1	LRP12	1.218196649

ILMN_2884126	NM_153537.3	PHLDB1	1.217576269
ILMN_2653166	NM_027127.2	GPX8	1.217364148
ILMN_2667020	NM_001042607.1	RYK	1.210776611
ILMN_1229340	NM_173746.2	OTTMUSG0000000446:	1.209967758
ILMN_3118584	NM_212457.1	BEX4	1.209122029
ILMN_2699222	XM_972773.1	LOC669053	1.208063985
ILMN_2749169	NM_011312.2	S100A5	1.206084571
ILMN_2539486	XM_357655.1	LOC384453	1.205952701
ILMN_1227845	NM_144890.1	BC018465	1.205596537
ILMN_3148543	NM_001025395.2	SRC	1.205535615
ILMN_2742861	NM_001033335.2	SERPINA3F	1.205396906
ILMN_2749595	NM_198411.2	2610204M08RIK	1.205216487
ILMN_2680618	NM_001004062.2	CRTC1	1.204427528
ILMN_2484147	NM_001002272.2	TRO	1.203858934
ILMN_1220482	NM_053201.3	MAGEE1	1.202767863
ILMN_3132223	NM_175454.2	C630004H02RIK	1.199377308
ILMN_2944366	NM_030704.1	HSPB8	1.199193095
ILMN_2445658	XM_913941.2	IGSF10	1.196915709
ILMN_2777884	NM_010144.2	EPHB4	1.194832246
ILMN_2669189	NM_023063.1	LIMA1	1.193565975
ILMN_2909782	NM_025846.1	RRAS2	1.192850517
ILMN_1220664	NM_016965.2	NCKAP1	1.190284229
ILMN_2612178	NM_053091.2	COX4I2	1.189367248
ILMN_2518412		GRB10	1.189041351
ILMN_1221298	NM_017379.1	TUBA8	1.188854263
ILMN_2613908	NM_007440.4	ALOX12	1.187845838
ILMN_1220360	NM_001081413.1	UNC13B	1.185486813
ILMN_2825080	NM_027570.3	LDHD	1.184263072
ILMN_2601946	NM_001003948.1	5033414K04RIK	1.182027196
ILMN_1246353	XM_992327.1	LOC207685	1.181601615
ILMN_1239239	NM_008969.3	PTGS1	1.179531745
ILMN_2793260	NM_174850.2	MICALL2	1.179341126
ILMN_1226921	XM_001006879.1	LOC674004	1.178019139
ILMN_1243602	NM_028444.1	PRKCDBP	1.175407685
ILMN_2740407	NM_001008548.2	PDE2A	1.174011453
ILMN_2928560	NM_011587.1	TIE1	1.173644021
ILMN_2822825	NM_176848.1	FBXO2	1.172839296
ILMN_1253191		E230024B12RIK	1.172423508
ILMN_2534635	XM_195289.1	LOC272683	1.16629367
ILMN_1228564	NM_021896.4	GUCY1A3	1.161792285
ILMN_2493464	NM_010806.1	MLLT4	1.161752716
ILMN_2771991		NDRG2	1.160998961
ILMN_3159149	NM_199057.2	RUSC2	1.159580186
ILMN_1221264	NM_010637.1	KLF4	1.157642662
ILMN_2747031	XM_131538.1	DHCR24	1.156040755
ILMN_2615810	NM_021431.2	NUDT11	1.154090088

ILMN_1259461	NM_010696.3	LCP2	1.149953664
ILMN_1249863	NM_013730.4	SLAMF1	1.147731981
ILMN_3129213	NM_001002272.2	TRO	1.140670947
ILMN_2735350	NM_011819.1	GDF15	1.136561235
ILMN_1248811	XM_001477566.1	CTLA2B	1.134666735
ILMN_2740207	NM_028807.1	1200009I06RIK	1.134270427
ILMN_2776728		2610305D13RIK	1.130531588
ILMN_1246841	NM_009046.2	RELB	1.128273634
ILMN_2713285	NM_001077361.1	FHL1	1.127701305
ILMN_2730293		PDE1B	1.12690898
ILMN_2610609	NM_027238.2	TTC39B	1.123941588
ILMN_1241211	NM_021896.4	GUCY1A3	1.123562735
ILMN_2474858	NM_009396.1	TNFAIP2	1.123301152
ILMN_2641228	NM_028306.3	HSPA12B	1.11802198
ILMN_2703738	NM_172814.3	LRP12	1.117387654
ILMN_1256565	NM_001033291.2	USP40	1.114745941
ILMN_2690839	NM_027102.2	ESAM	1.113950576
ILMN_2604029	NM_008452.1	KLF2	1.113302905
ILMN_2620913	NM_010567.1	INPPL1	1.108626216
ILMN_2670172	NM_010577.2	ITGA5	1.107377652
ILMN_2959292	NM_009477.1	UPP1	1.107350317
ILMN_2738090	NM_153525.5	TMEM41B	1.105472846
ILMN_2823778	NM_025436.1	SC4MOL	1.105120654
ILMN_2639662	NM_027570.3	LDHD	1.102263281
ILMN_2998406	NM_145078.1	2610305D13RIK	1.101598217
ILMN_2467185	XM_358382.5	DMXL2	1.100202823
ILMN_2915118	NM_013838.1	TRPC6	1.099568922
ILMN_2482821	XM_992953.1	LOC636875	1.098534232
ILMN_2618935	NM_026018.2	PDZK1IP1	1.098386638
ILMN_2627386	NM_172451.2	GALNT6	1.097896666
ILMN_3117381	NM_001077362.1	FHL1	1.097101516
ILMN_2630993	NM_080555.2	PPAP2B	1.095881153
ILMN_2761585	XM_358687.1	2400009B08RIK	1.095391965
ILMN_1227770	NM_172622.2	TRERF1	1.094954729
ILMN_2775064	XM_001476174.1	EPB4.1L4B	1.094945595
ILMN_2582110		D630036H09RIK	1.094740882
ILMN_2710942	NM_009693.1	APOB	1.094711912
ILMN_1237729	XM_001474024.1	LOC100045304	1.09305003
ILMN_1230890	NM_010232.3	FMO5	1.090556764
ILMN_2820703	NM_001004157.2	SCARF1	1.088862119
ILMN_2523169	XM_128641.3	TREML1	1.086364876
ILMN_1224034	NM_008800.1	PDE1B	1.086068063
ILMN_2752940	NM_053272.2	DHCR24	1.085210393
ILMN_2598074	NM_015795.1	FBXO16	1.0849015
ILMN_2594009	NM_008001.3	FGD1	1.0810812
ILMN_1214953	NM_199057.2	RUSC2	1.077967983

ILMN_2632839	NM_027917.1	1300007L22RIK	1.074833057
ILMN_2609813	NM_007695.2	CHI3L1	1.074351939
ILMN_2890328	NM_019832.2	GKAP1	1.072884406
ILMN_2959372	NM_027218.1	CLEC4B1	1.071382511
ILMN_1225528	NM_175093.2	TRIB3	1.070652588
ILMN_2776095	XM_001476670.1	TTBK1	1.069934354
ILMN_2870786	NM_133995.1	UPB1	1.068530872
ILMN_2965275	NM_183144.1	INPP5A	1.067666095
ILMN_2810882	NM_008908.1	PPIC	1.066906493
ILMN_2981363	NM_145158.2	EMILIN2	1.06631956
ILMN_2734097	NM_007568.3	BTC	1.065531614
ILMN_3043587	NM_212457.1	BEX4	1.064712618
ILMN_2842601	NM_018762.1	GP9	1.062294929
ILMN_2855310	NM_010823.1	MPL	1.06077279
ILMN_2750558	NM_174857.3	MAMDC2	1.060628112
ILMN_1215713	NM_020596.2	EGR4	1.059784734
ILMN_1242258		IGKV4-73_AJ231216_IC	1.058067193
ILMN_2993836	NM_016747.2	DLG3	1.057961586
ILMN_2671411	NM_008450.2	KLC1	1.057272131
ILMN_2500533	NM_178114.3	AMIGO2	1.05626063
ILMN_2685921	NM_009601.3	CHRNB1	1.055158055
ILMN_3128616	NM_008840.2	PIK3CD	1.053585092
ILMN_2677772	NM_029688.2	SRXN1	1.049021084
ILMN_2906489	NM_026779.1	MOCOS	1.048686468
ILMN_2992047	NM_175092.3	RHOF	1.048100737
ILMN_3163110	NM_008168.1	GRIK5	1.047910396
ILMN_2601215	NM_007825.3	CYP7B1	1.045347791
ILMN_1215550	NM_010567.1	INPPL1	1.045010219
ILMN_3161289	NM_010311.3	GNAZ	1.044761403
ILMN_2421890		ACACB	1.043210497
ILMN_2614161	NM_146006.1	LSS	1.042153582
ILMN_2777498		IL1B	1.04084121
ILMN_1253224	NM_053272.2	DHCR24	1.03865227
ILMN_2430906	XM_001479552.1	2310051E17RIK	1.033826038
ILMN_2868981	NM_153078.1	EHBP1	1.033003819
ILMN_2603647	NM_053109.2	CLEC2D	1.03264283
ILMN_2896843	NM_054042.2	CD248	1.030931352
ILMN_1233537		GUCY1A3	1.030234627
ILMN_2487308		TUBA8	1.029965027
ILMN_2735865	NM_009708.1	RND2	1.029908797
ILMN_1234543		TBXAS1	1.029306784
ILMN_2928453	NM_009662.2	ALOX5	1.02218138
ILMN_1236344	NM_029601.1	1700019E19RIK	1.022038939
ILMN_2608547	NM_031198.2	TCFEC	1.01933941
ILMN_2896768	NM_173047.2	CBR3	1.017976343
ILMN_2947234	NM_144811.3	CBX7	1.017598621

ILMN_2595857	NM_001039562.1	ANKRD37	1.017436493
ILMN_2859917	NM_026837.1	TMEM53	1.016219995
ILMN_1254191	NM_021460.1	LIP1	1.015941745
ILMN_1217328	NM_010465.2	HOXC6	1.010845037
ILMN_2773215	XM_001476174.1	EPB4.1L4B	1.010594291
ILMN_2608502	NM_177308.2	9530019H2ORIK	1.009945614
ILMN_2634689	NM_001005608.2	ITGB4	1.00814668
ILMN_1249997		PER	1.007062427
ILMN_2649456	NM_030024.2	PRR15	1.006726843
ILMN_2680307		SEC14L1	1.006322766
ILMN_2814484	NM_026820.2	IFITM1	1.004493755
ILMN_1234747		4732458O05RIK	1.004366157
ILMN_2713060	NM_133778.2	FAM131A	1.004322453
ILMN_2744129	NM_028037.3	ACAD10	1.004068816
ILMN_2700797	NM_008908.3	PPIC	1.002163856
ILMN_1222733	NM_011877.1	PTPN21	1.0009187
ILMN_2440530	NM_012037.2	VAT1	1.000431649
ILMN_2751494	NM_016866.2	STK39	1.000233048
ILMN_2711267	NM_010664.1	KRT18	1.000049149
ILMN_1247127		B930075F07	0.999350808
ILMN_2763002	NM_013509.2	ENO2	0.999275511
ILMN_1235016	NM_177771.5	KLHL18	0.998585244
ILMN_1248734	XM_899407.2	1500009L16RIK	0.998064053
ILMN_2841290	NM_009396.1	TNFAIP2	0.997017802
ILMN_2644350	NM_009382.3	THY1	0.996104978
ILMN_2652500	NM_029796.2	LRG1	0.995938722
ILMN_2518284	NM_011807.2	DLG2	0.99567193
ILMN_1237670	NM_009849.1	ENTPD2	0.995639109
ILMN_1248714	NM_010016.2	CD55	0.995097005
ILMN_2794116	NM_008851.1	PITPNM1	0.994626335
ILMN_1231627	NM_133902.2	SDSL	0.992633903
ILMN_1249888	NM_007405.2	ADCY6	0.992085972
ILMN_1254034	AK019418.1	SCL0002540.1_6	0.990080974
ILMN_2516705	NM_133995.1	UPB1	0.990044619
ILMN_2684316	NM_008772.4	P2RY1	0.98865314
ILMN_2964522	NM_010333.2	EDG5	0.98661395
ILMN_2916782	NM_018816.1	APOM	0.985632845
ILMN_2907327	NM_023742.1	DTX2	0.984890536
ILMN_2619330	NM_013807.1	PLK3	0.984072536
ILMN_1230423	NM_177364.3	SH3PXD2B	0.983845015
ILMN_2643096	NM_175035.5	GIMAP5	0.983215133
ILMN_2593225	NM_198048.1	PRX	0.982269547
ILMN_1213978	NM_011216.2	PTPRO	0.981928794
ILMN_2743642	NM_019984.2	TGM1	0.979749243
ILMN_2660471	NM_007856.2	DHCR7	0.978726079
ILMN_1233864	NM_008969.3	PTGS1	0.978331138

ILMN_1215670	NM_027238.2	TTC39B	0.977839594
ILMN_2758717	NM_178711.2	PLSCR4	0.977539085
ILMN_1248108	NM_146106.1	LYPLAL1	0.97719975
ILMN_3105343	NM_130895.2	ADARB1	0.977181529
ILMN_1234427	NM_177778.4	ARMC7	0.976548795
ILMN_2655250	NM_175150.3	TXNDC15	0.976456644
ILMN_1216279	NM_016851.2	IRF6	0.976081092
ILMN_1225039		SC5D	0.975450471
ILMN_2588682	NM_177583.4	APH1B	0.974786509
ILMN_2932453	NM_008771.2	P2RX1	0.972224418
ILMN_2650915	NM_172132.1	JMJD2B	0.97199966
ILMN_2704619	NM_172274.1	CC2D2A	0.971000072
ILMN_1234702	NM_173866.3	GPT2	0.970678185
ILMN_2597769	NM_010514.2	IGF2	0.969921584
ILMN_1219017		5031436003RIK	0.968919806
ILMN_2822934	NM_001013384.1	PODNL1	0.968890873
ILMN_1236762	NM_008148.3	GP5	0.967660423
ILMN_1254685	NM_001033767.2	EG240327	0.967495096
ILMN_2710274	NM_023055.1	SLC9A3R2	0.964950559
ILMN_3004931	NM_175107.3	2310022A10RIK	0.964825005
ILMN_2848163	NM_021430.2	RILPL1	0.964583927
ILMN_2725414	NM_007657.2	CD9	0.964112704
ILMN_2590923	NM_177960.3	IDI1	0.96358275
ILMN_1249164	NM_001025296.1	DFFA	0.962426557
ILMN_2669225		TLE2	0.961044271
ILMN_2748880	NM_027845.1	4833414E09RIK	0.960626528
ILMN_2692554	NM_178781.2	9330186A19RIK	0.960087854
ILMN_1218116	NM_009755.2	BMP1	0.95941045
ILMN_1254031	NM_010638.4	KLF9	0.958533195
ILMN_1235908	NM_010634.2	FABP5	0.956979428
ILMN_2597210	NM_146164.1	LRCH4	0.955913679
ILMN_2658908	NM_013655.2	CXCL12	0.955578936
ILMN_2450767		DUSP4	0.953571334
ILMN_1228909	XM_975070.1	E230008N13RIK	0.953174162
ILMN_3152792	NM_011088.1	PIRA11	0.952727608
ILMN_2770866	NM_011196.1	PTGER3	0.950716326
ILMN_2738655	XM_001474669.1	1110021L09RIK	0.949759821
ILMN_2821158	NM_028037.1	ACAD10	0.949441629
ILMN_2937320	NM_013928.2	SCHIP1	0.948490047
ILMN_1245518	NM_020518.2	VSIG2	0.948040267
ILMN_2963700	NM_053197.2	SFXN3	0.947478871
ILMN_2824954	NM_001039115.1	OTTMUSG0000000042:	0.946877696
ILMN_2659340	NM_007689.4	CHAD	0.945123766
ILMN_2663374	NM_013839.3	NR1H3	0.944558675
ILMN_2460662	NM_009452.1	TNFSF4	0.943427246
ILMN_2767918	NM_023065.3	IFI30	0.94313907

ILMN_2970167	NM_025830.3	WWP2	0.94300331
ILMN_2829608	NM_007378.1	ABCA4	0.939514172
ILMN_2600911	NM_027892.2	PPP1R12A	0.938665213
ILMN_2443990	NM_011386.2	SKIL	0.938659333
ILMN_2771738	NM_010052.4	DLK1	0.93735143
ILMN_1259610	NM_133983.3	CD276	0.936699577
ILMN_2761662	NM_175021.2	SAMD4B	0.936074828
ILMN_2706906	XM_001479188.1	LOC100047937	0.93582555
ILMN_2729452	NM_024442.1	CYP4F16	0.935345058
ILMN_2744193	NM_177725.2	LRRC8	0.93397274
ILMN_2721929	NM_134250.1	HAVCR2	0.933769146
ILMN_2596183	XM_359260.3	SYDE1	0.931694602
ILMN_2609182	NR_003642.1	2900062L11RIK	0.930527487
ILMN_2754717	NM_001032414.1	PEAR1	0.928214374
ILMN_2827646	NM_029537.1	TMEM98	0.927436089
ILMN_1236844		A830094I09RIK	0.925483674
ILMN_2772281		EMILIN2	0.925254348
ILMN_1238680	NM_053187.2	GOPC	0.923914371
ILMN_1237518	NM_138650.1	DGKG	0.923206299
ILMN_2471128		A830073O21RIK	0.922645988
ILMN_1247043	NM_028235.1	TTC30B	0.921909836
ILMN_3122845	NM_198622.1	H1FX	0.917831099
ILMN_2660541	NM_178704.2	DPY19L3	0.916785209
ILMN_2706550	NM_025491.3	SUSD3	0.916232208
ILMN_2620192	NM_001004365.1	ACTR3B	0.915565071
ILMN_2495888	AK008866.1	SCL0002617.1_582	0.915008839
ILMN_2441501		CLSTN1	0.913895929
ILMN_1240935	NM_015772.2	SALL2	0.913310131
ILMN_2625940		NEURL	0.913015291
ILMN_1226293	NM_028064.2	SLC39A4	0.912674006
ILMN_2674122	NM_008862.3	PKIA	0.911305659
ILMN_1244424	NM_007413.4	ADORA2B	0.910313284
ILMN_2781520	NM_175326.2	D330045A20RIK	0.907768707
ILMN_2777359		SERPINH1	0.907747869
ILMN_2773800	NM_011846.4	MMP17	0.907485361
ILMN_1258740		C130022M03RIK	0.90627464
ILMN_1260427		TIMELESS	0.90558812
ILMN_2450155		IGLC2_J00595_IG_LAM	0.905575039
ILMN_1220198	NM_175386.3	LHFP	0.904657254
ILMN_2626648	XM_359275.1		Sep-05 0.904499604
ILMN_2441335		ABCG1	0.904168078
ILMN_2987826	NM_133974.3	CDCP1	0.902325758
ILMN_2953751	NM_028777.1	SEC14L1	0.901770743
ILMN_2935734	NM_194341.1	AP1GBP1	0.900868911
ILMN_2933346	NM_001004365.1	ACTR3B	0.900702108
ILMN_1238357	NM_213615.2	A530032D15RIK	0.90010782

ILMN_1244835	NM_178760.3	GPR107	0.899670907
ILMN_1236811		D330008I21RIK	0.898184216
ILMN_2606660	NM_130859.2	CARD10	0.897837602
ILMN_2699488	NM_008483.2	LAMB2	0.896365857
ILMN_1228029	NM_008699.1	NKX2-3	0.895229862
ILMN_2766105	NM_172883.2	MFSD7A	0.89420022
ILMN_1232435	XM_284198.5	MMRN1	0.894114266
ILMN_2898917	NM_026580.1	OTUB2	0.893532402
ILMN_2614759	NM_011595.2	TIMP3	0.893191043
ILMN_1229161	NM_007932.1	ENG	0.892619048
ILMN_1232697	NM_009567.4	ZFP93	0.892600399
ILMN_1250403	NM_017469.3	GUCY1B3	0.891805072
ILMN_1240202	NM_173753.3	FNIP1	0.890979639
ILMN_2803138	NM_178143.1	PRKAA2	0.890664281
ILMN_2823195	NM_053177.1	MCOLN1	0.890615471
ILMN_1220397	XM_001476544.1	TTC28	0.889862277
ILMN_2831273	NM_025595.1	MRPL51	0.889612446
ILMN_2732795	NM_001085387.1	MYLC2PL	0.888051818
ILMN_2682613		IGFBP5	0.887093927
ILMN_1228245	NM_001033217.3	PRICKLE1	0.885996187
ILMN_1251390	NM_011539.3	TBXAS1	0.884374183
ILMN_2658815	NM_029537.1	TMEM98	0.884235322
ILMN_1228782	XM_134383.4	LPHN1	0.884213528
ILMN_2627041	NM_009142.3	CX3CL1	0.882154675
ILMN_2747472	NM_175687.1	A230050P20RIK	0.881084065
ILMN_1255644	NM_007881.4	ATN1	0.879848543
ILMN_2827217	NM_153508.2	CLSTN3	0.879738946
ILMN_2675449	NM_009164.1	SH3BP1	0.879315924
ILMN_2724371	NM_153537.3	PHLDB1	0.878636011
ILMN_1254671	XM_148974.6	BC034090	0.87859016
ILMN_2911344	NM_011636.1	PLSCR1	0.877200045
ILMN_2981542	NM_008546.2	MFAP2	0.876488463
ILMN_1247463		ROBO3	0.876387361
ILMN_2653132	NM_020008.1	CLEC7A	0.875382004
ILMN_2432508	NM_026721.2	SLC39A13	0.87533931
ILMN_2640995	NM_172287.2	SPIRE2	0.874867716
ILMN_2466926	NM_019941.2	ZFP235	0.874246905
ILMN_2698564	NM_008439.3	KHK	0.873025754
ILMN_2793844	NM_028800.2	STK40	0.872945158
ILMN_1212828	NM_173396.2	TGIF2	0.872224249
ILMN_2529392	XM_284587.2	LOC331139	0.872139923
ILMN_2565436		CACNB2	0.872123548
ILMN_1220170	NM_013690.2	TEK	0.871842175
ILMN_1246291	NM_001098636.1	PWWP2B	0.870804668
ILMN_2737982	NM_134062.1	DAPK1	0.870520656
ILMN_1227875	NM_010222.1	FKBP7	0.869508344

ILMN_2702547	NM_029173.3	4930519N16RIK	0.868944303
ILMN_2579719		FUT8	0.868826244
ILMN_2658961	NM_016811.2	DGKA	0.868120146
ILMN_1252202	NM_009397.2	TNFAIP3	0.867821958
ILMN_1233376	NM_134117.1	AW548124	0.867684777
ILMN_2667829	NM_008859.1	PRKCQ	0.866884052
ILMN_2715546	NM_008161.2	GPX3	0.866657274
ILMN_3093626	NM_145908.1	PORCN	0.864313873
ILMN_1256025	XR_032462.1	LOC100041137	0.864251395
ILMN_2792351	NM_024442.1	CYP4F16	0.864132455
ILMN_1254574		E030034J16RIK	0.863514316
ILMN_3161168	NM_001033488.1	GM1964	0.862632945
ILMN_1233469		LDLR	0.862065259
ILMN_2603888	NM_153392.1	TTC39A	0.860370471
ILMN_1239380	NM_013534.4	LEPREL2	0.859963048
ILMN_2630852	NM_008371.4	IL7	0.859913099
ILMN_2631014	NM_146135.1	PIAS3	0.858500626
ILMN_1224619	NM_009177.4	ST3GAL1	0.85799306
ILMN_2626442	NM_010867.2	MYOM1	0.857844138
ILMN_1230586	NM_009421.3	TRAF1	0.857355701
ILMN_2752665	NM_025897.1	1500003O22RIK	0.855559111
ILMN_1241128	NM_026192.2	CALCOCO1	0.854749335
ILMN_2821263	NM_133191.2	EPS8L2	0.853650344
ILMN_2690603	NM_009263.1	SPP1	0.8525303
ILMN_2789239	NM_011578.2	TGFBR3	0.852162355
ILMN_1258914	NM_175328.2	SLC6A15	0.851066856
ILMN_2770270	NM_183286.2	DHRS13	0.849819755
ILMN_2464999	NM_011676.2	UNC119	0.849487384
ILMN_2426380	NM_013835.2	TROVE2	0.84856742
ILMN_1229313	NM_001013771.2	GM973	0.846176993
ILMN_2647898	XM_001475162.1	LOC100040736	0.845843136
ILMN_2519488	NM_152800.1	TOR2A	0.845756402
ILMN_2444799		0610031G08RIK	0.844486223
ILMN_1255047	NM_178877.5	NHEDC2	0.844313673
ILMN_3146420	NM_009194.2	SLC12A2	0.84407791
ILMN_1223188	NM_001081008.1	TAF1	0.843997951
ILMN_2499264		4933428A15RIK	0.843511689
ILMN_1240165	NM_027857.3	ACY3	0.84326332
ILMN_2812087	NM_134083.2	RCBTB2	0.842480601
ILMN_2858106	NM_009429.2	TPT1	0.841550314
ILMN_2985497	NM_010872.1	NAIP2	0.841530449
ILMN_1239729	NM_207682.2	KIF1B	0.841379783
ILMN_2506727		9430052C07RIK	0.838670591
ILMN_2678355	NM_178114.3	AMIGO2	0.838272942
ILMN_3121255	NM_001025250.2	VEGFA	0.837782504
ILMN_1217890	NM_011101.2	PRKCA	0.837016136

ILMN_1220387	NM_174989.3	TICAM1	0.835913906
ILMN_2449563	NM_009329.3	ZFP354A	0.835239852
ILMN_1258737		1110017F19RIK	0.834783011
ILMN_3132186	NM_177546.2	PCYT1B	0.831151983
ILMN_2740268	NM_026580.3	OTUB2	0.830312012
ILMN_1253572		6720422M22RIK	0.829897962
ILMN_2725927	NM_009251.1	SERPINA3G	0.829336672
ILMN_1242531	NM_027920.4		March8 0.828858051
ILMN_2589318	NM_010127.3	POU6F1	0.828699337
ILMN_2492716	NM_028283.2	UACA	0.828695197
ILMN_1246429	NM_145496.1	DAK	0.828078198
ILMN_1236175	NM_009451.3	TUBB4	0.827642412
ILMN_1229828	NM_172619.2	ADAMTS10	0.827412863
ILMN_2481902		PLXNC1	0.82719267
ILMN_2849449	NM_010577.2	ITGA5	0.826222028
ILMN_2661650	NM_139292.1	REEP6	0.825777944
ILMN_1214136	XM_150180.1	2610005M20RIK	0.825002472
ILMN_2690596	NM_010423.2	HEY1	0.824791309
ILMN_2458765	NM_009643.1	AHNAK	0.824351417
ILMN_1250618	NM_175537.3	ZBTB38	0.82321483
ILMN_2965835	NM_010813.2	MNT	0.822851691
ILMN_2705747	NM_054054.2	BRDT	0.822598953
ILMN_2755860	NM_008265.3	HOXA4	0.821855761
ILMN_2732394	NM_029420.1	2410170E21RIK	0.820138359
ILMN_3109360	NM_201394.1	PLEC1	0.820063583
ILMN_2791028	NM_007471.2	APP	0.819748461
ILMN_1253986	XM_981375.2	DLG5	0.819704268
ILMN_2592486	NM_009402.1	PGLYRP1	0.819006049
ILMN_3100125	NM_028460.2	PEAR1	0.818833153
ILMN_2476405		EGFP	0.818506931
ILMN_2737163	NM_009270.3	SQLE	0.81799495
ILMN_1225494	NM_134065.3	EPDR1	0.817924512
ILMN_2419138	NM_009502.4	VCL	0.817420702
ILMN_2710176	NM_178929.3	KAZALD1	0.817414847
ILMN_1214066	NM_153062.2	SLC37A1	0.816031817
ILMN_2467596	NM_001048054.1	DUSP16	0.815949419
ILMN_2891274	NM_001033320.2	RLTPR	0.813640719
ILMN_1234223	NM_178911.4	PLD4	0.813604459
ILMN_2621148	NM_008443.3	KIF3A	0.813380722
ILMN_2896639	NM_013850.1	ABCA7	0.81249893
ILMN_2418426	NM_009517.2	ZMAT3	0.811481847
ILMN_2950644	NM_177073.3	TNFRSF19L	0.811062928
ILMN_1222658	NM_013720.2	MGA	0.8109507
ILMN_2652077	NM_028730.4	PEX26	0.809244775
ILMN_2626389	NM_153057.3	NOMO1	0.808679064
ILMN_2514674	NM_011916.2	XRN1	0.808542813

ILMN_1229246	NM_030176.2	SPATA2L	0.807437338
ILMN_1214071	NM_026820.2	IFITM1	0.807145701
ILMN_2847834	NM_011676.2	UNC119	0.807019746
ILMN_2701332	NM_175035.5	GIMAP5	0.805777918
ILMN_2473274		PRKG1	0.805464754
ILMN_3034877	NM_008441.2	KIF1B	0.805396261
ILMN_1215737	NM_178020.2	HYAL3	0.804062157
ILMN_2907972	NM_028189.2	B3GNT3	0.804013213
ILMN_2917497	NM_010189.1	FCGRT	0.803823316
ILMN_2642239	NM_019408.1	NFKB2	0.802958058
ILMN_2689187	NM_146155.3	AHDC1	0.802917585
ILMN_2610554	NM_028411.2	TMEM138	0.802051976
ILMN_2655126	NM_177157.4	GCHFR	0.800781023
ILMN_2798340	NM_144794.1	TMEM63A	0.800569158
ILMN_1251856	XM_132089.7	GPR125	0.800302988
ILMN_2796798	NM_027464.1	5730469M10RIK	0.800171723
ILMN_2602024	NM_001039657.1	MTL5	0.799390124
ILMN_2974798	NM_010683.1	LAMC1	0.79836119
ILMN_3009463	NM_011639.2	TRIP6	0.796779406
ILMN_1256740	NM_175266.4	EPM2AIP1	0.796235337
ILMN_2729162	NM_018820.4	SERTAD1	0.795628156
ILMN_2729607	NM_011324.1	SCNN1A	0.795324483
ILMN_2734683	NM_008047.4	FSTL1	0.795132783
ILMN_2625197	NM_007955.2	PTPRV	0.795057135
ILMN_2731407	NM_008108.4	GDF3	0.79482784
ILMN_1237432	NM_194348.3	ATG2A	0.794117599
ILMN_2692723	NM_008509.2	LPL	0.793918499
ILMN_2671128	NM_177336.2	B230373P09RIK	0.793523665
ILMN_3162431	NM_001033139.2	AI846148	0.793094832
ILMN_2883326	NM_011090.1	PIRA3	0.792979538
ILMN_2716876	NM_026169.4	FRMD8	0.792857826
ILMN_3160107	NM_001004435.2	PIK3R6	0.792379887
ILMN_2711772	NM_174850.2	MICALL2	0.791947948
ILMN_2696592		C77080	0.791621873
ILMN_1243830	NM_011077.2	PHEX	0.791400415
ILMN_2662926	NM_007913.5	EGR1	0.791164724
ILMN_1236845	NM_027469.3	GFOD2	0.790875972
ILMN_2795412	NM_025326.2	TMEM176A	0.790786886
ILMN_2483633		GRIK5	0.790668556
ILMN_1215212	NM_007483.2	RHOB	0.790565636
ILMN_2592823	NM_021454.3	CDC42EP5	0.790504162
ILMN_2503655	XM_001477269.1	D2BWG1423E	0.790108668
ILMN_2658804	NM_009101.2	RRAS	0.789533935
ILMN_2712675	NM_172698.2	4732418C07RIK	0.787018017
ILMN_2488360	NM_011385.2	SKI	0.786726149
ILMN_2907473	NM_134023.1	TBC1D10A	0.78556496

ILMN_1248555	NM_029364.3	GNS	0.784760358
ILMN_1228475	NM_009469.3	ULK1	0.784107093
ILMN_1219474		6430548M08RIK	0.783717727
ILMN_2595408	XM_130807.1	PLD1	0.783446614
ILMN_2769945		BC014795	0.783107706
ILMN_2769191	NM_011539.3	TBXAS1	0.781588938
ILMN_1218703	NM_029432.1	4930402H24RIK	0.780793387
ILMN_2932662	NM_026864.1	RASL11A	0.780784755
ILMN_2645917	NM_029602.1	1700022C21RIK	0.780595639
ILMN_2833781	NM_001033206.2	PWWP2B	0.779770348
ILMN_2484527	NM_009505.3	VEGFA	0.779753668
ILMN_3088269	NM_212486.2	GIMAP8	0.779413646
ILMN_2964042	NM_007542.3	BGN	0.77848278
ILMN_2994299	NM_019447.1	HGFAC	0.778384818
ILMN_2711075	NM_013599.2	MMP9	0.7777114828
ILMN_2724451	NM_172571.3	FBF1	0.776469703
ILMN_1225730	NM_134469.3	FDPS	0.775934416
ILMN_3100276	NM_027406.1	ALDH1L1	0.7759286
ILMN_1230498	NM_207277.1	A930005I04RIK	0.775764127
ILMN_2743421	NM_007854.2	SLC29A2	0.775161918
ILMN_1249480	XM_001002205.2	1300010F03RIK	0.77515289
ILMN_1235207	NM_027171.2	2310057J16RIK	0.774808815
ILMN_1242248	NM_022890.1	CLDN12	0.774446478
ILMN_3141165	NM_008376.3	GIMAP1	0.774233646
ILMN_1232107	XM_977338.1	BEX2	0.774046529
ILMN_1251233	NM_025331.2	GNG11	0.773200717
ILMN_1245075		1810054D07RIK	0.772934111
ILMN_1224635	NM_024169.3	FKBP11	0.772757602
ILMN_1227458	NM_001004363.1	NUAK1	0.77258577
ILMN_2638473	XM_355795.1	1190003M12RIK	0.771721317
ILMN_1224664	NM_001001984.2	FBXL11	0.770532296
ILMN_1226228	NM_178623.2	2010005J08RIK	0.770486244
ILMN_3126697	NM_001039090.1	SKIL	0.770485862
ILMN_2446700		B430007K19RIK	0.769802603
ILMN_1251494		A630056H20RIK	0.769293551
ILMN_1252898		SOX6	0.76905946
ILMN_2464201	XM_001479998.1	3110021A11RIK	0.768022234
ILMN_2920849	NM_011091.1	PIRA4	0.76765086
ILMN_2642705	NM_010499.3	IER2	0.767402744
ILMN_1228213	NM_023065.3	IFI30	0.767396375
ILMN_3154269	NM_198048.1	PRX	0.766853528
ILMN_2637742	NM_011059.2	PADI1	0.766681552
ILMN_2700689	XM_910375.2	IBRDC3	0.76657451
ILMN_1231254	NM_008007.1	FGF3	0.765742445
ILMN_2748680	NM_010210.2	FHIT	0.765262102
ILMN_1228018	NM_172860.1	CBFA2T2	0.765002605

ILMN_3150811	NM_001077364.1	TSC22D3	0.763991659
ILMN_1213692	NM_021568.1	PCBP3	0.763309658
ILMN_1235822	NM_001033371.2	LRRC36	0.761862968
ILMN_1242125	NM_001004156.2	PLEKHG5	0.761117146
ILMN_2829646	NM_026298.4	IFT172	0.760772239
ILMN_3161372	NM_001033221.2	AU023871	0.760700296
ILMN_1235499	NM_011173.2	PROS1	0.76059378
ILMN_2620942	NM_178110.2	TRIM62	0.760331522
ILMN_1249727	NM_024495.4	CAR13	0.76013684
ILMN_2926155	NM_019547.1	RBM38	0.759929225
ILMN_1234413		ADAMTS12	0.759809564
ILMN_2728866	NM_015769.1	ERCC4	0.759554928
ILMN_2605423	NM_028771.2	CCDC97	0.759430309
ILMN_1233896	XM_916287.2	LOC637082	0.759284739
ILMN_2469541	NM_029979.3	TRIM35	0.759108316
ILMN_1216097	XM_924862.2	GM684	0.75812121
ILMN_1246724	NM_028835.3	ATG7	0.756980739
ILMN_1217998		EPB4.1L1	0.756698616
ILMN_2794051	NM_172734.2	STK38L	0.75587619
ILMN_2689731	NM_176933.4	DUSP4	0.754526803
ILMN_1247198	NM_174992.2	BC004728	0.753774484
ILMN_1250956		6330414G02RIK	0.753355598
ILMN_2939681	NM_017372.2	LYZS	0.753290153
ILMN_2955362	NM_144931.1	APPBP1	0.752499648
ILMN_2418324	NM_030180.2	USP54	0.752388233
ILMN_3163539	NM_028601.2	ZMIZ2	0.751793939
ILMN_2715931	XM_001479038.1	LOC100042540	0.751757172
ILMN_2717861	NM_183144.1	INPP5A	0.751433302
ILMN_2737479	NM_031406.2	SLC12A9	0.751285537
ILMN_1218247	XM_974900.1	PALLD	0.751241545
ILMN_2612283	NM_008090.4	GATA2	0.751112233
ILMN_2675000	NM_029070.2	4930511J11RIK	0.751048946
ILMN_1257200	NM_183149.1	ZFP598	0.749868302
ILMN_3079919	NM_009643.1	AHNAK	0.749804986
ILMN_2630605	NM_007984.2	FSCN1	0.748280501
ILMN_2677207	XR_033948.1	LOC100047788	0.74802766
ILMN_2626428	XM_979045.1	BC030863	0.748014156
ILMN_2608811	NM_173047.2	CBR3	0.74777131
ILMN_2501605	NM_008855.2	PRKCB	0.746964686
ILMN_1221657	NM_009764.2	BRCA1	0.746139222
ILMN_2498539		1700054E11RIK	0.745478221
ILMN_1237964	NM_013709.4	SH3YL1	0.745096683
ILMN_2774001	NM_020035.1	PIGO	0.744841112
ILMN_2680308	NM_028777.2	SEC14L1	0.744688936
ILMN_1226838	NM_053267.1	SEPM	0.74326378
ILMN_1240779		OSP94	0.743118703

ILMN_3102467	NM_033475.2	RAB34	0.742576443
ILMN_2902492	NM_178728.3	AB112350	0.742289161
ILMN_2698449	NM_010415.1	HBEGF	0.741090068
ILMN_2952466	NM_013835.1	TROVE2	0.740869666
ILMN_2678661	NM_007985.2	FANCC	0.740830346
ILMN_2631610	NM_172514.3	TMEM71	0.740788051
ILMN_2909597	NM_134250.1	HAVCR2	0.740447381
ILMN_1229911	NM_012026.2	RGNEF	0.740106384
ILMN_1238433	NM_011254.2	RBP1	0.739981067
ILMN_2678745	XM_147000.1	2300004C15RIK	0.739803708
ILMN_2754598	NM_139153.1	CENTG3	0.739457092
ILMN_2431871		FBXO30	0.738450271
ILMN_2648089	NM_207213.1	SNX25	0.738025272
ILMN_2556989		6430526N21RIK	0.737399584
ILMN_2940446	NM_016811.2	DGKA	0.737267123
ILMN_2619316	NM_011170.1	PRNP	0.737246872
ILMN_1255363	NM_153573.1	FKBP14	0.736133776
ILMN_2484278		9930031P18RIK	0.735713331
ILMN_3155915	NM_134062.1	DAPK1	0.735632358
ILMN_1230054	NM_175312.3	B630005N14RIK	0.734083427
ILMN_2987984	NM_009113.3	S100A13	0.733217933
ILMN_2722938	NM_008654.1	MYD116	0.73297832
ILMN_1224665	NM_001081415.1	SAMD1	0.732642772
ILMN_2661125	NM_019791.2	MAGED1	0.732526078
ILMN_1231492	NM_008397.3	ITGA6	0.732110943
ILMN_2955973	NM_013870.1	SMTN	0.731984732
ILMN_1238535		4832420L08RIK	0.731417256
ILMN_1230766	NM_013883.1	SCMH1	0.731406931
ILMN_2682928	NM_030690.2	RAI14	0.730716849
ILMN_1216721	NM_007668.3	CDK5	0.73009739
ILMN_1239724	NM_011185.3	PSMB1	0.730056299
ILMN_2712867	NM_011594.3	TIMP2	0.730005868
ILMN_2907989	NM_144546.3	ZFP119	0.729110019
ILMN_2537343	XM_890398.1	EG625835	0.7286266
ILMN_1233075	NM_007949.4	ERCC2	0.728286461
ILMN_2793329	NM_013541.1	GSTP1	0.72825143
ILMN_1218228	NM_001029938.1	RILP	0.726326502
ILMN_2758198	NM_146126.1	SORD	0.726320859
ILMN_2718149	NM_152134.1	HOMER1	0.726113783
ILMN_2775767	XM_001481238.1	LOC100043919	0.726032491
ILMN_2895557	NM_008114.2	GFI1B	0.725753272
ILMN_2649101	NM_010877.4	NCF2	0.72561967
ILMN_2993109	NM_029083.1	DDIT4	0.725348693
ILMN_2764781	NM_145629.1	PLS3	0.725273858
ILMN_2704134	NM_199200.2	FAM171A2	0.724787142
ILMN_2741189	NM_175684.4	FCHSD1	0.724546185

ILMN_1249046	NM_027294.2	CMTM8	0.724165636
ILMN_2508416		SOLH	0.72343169
ILMN_3096592	NM_001006664.2	EPB4.1L1	0.723145574
ILMN_2900462	NM_016745.2	ATP2A3	0.722990288
ILMN_1234082		SREBF2	0.722953106
ILMN_2533339	XM_150129.3	LOC234582	0.722559462
ILMN_2950814	NM_001033448.1	GM962	0.722279337
ILMN_3130403	NM_174992.3	BC004728	0.722023857
ILMN_2689274	NM_030238.2	DYNC1H1	0.721830872
ILMN_2648618	NM_025445.4	ARFGAP3	0.720999794
ILMN_3138028	NM_001040112.1	ARAP1	0.720566486
ILMN_2915279	NM_008619.1	MOV10	0.720542968
ILMN_2676056	NM_009702.1	AQR	0.720456988
ILMN_2955312	NM_029296.1	1700001C19RIK	0.720187064
ILMN_2438849	NM_207255.1	ZFP532	0.720172908
ILMN_1252454		4921531D08RIK	0.718262443
ILMN_1217926	XM_127591.4	2310021P13RIK	0.71768917
ILMN_3160688	NM_001033159.2	ZFP597	0.717495425
ILMN_1231805	NM_001081309.1	PIK3R4	0.716942334
ILMN_1239055	NM_011723.2	XDH	0.716938232
ILMN_2987161	NM_146176.1	CNOT3	0.716847671
ILMN_2839788	NM_011527.1	TAL1	0.716840945
ILMN_1213261	XM_355890.1	2210412E05RIK	0.716463898
ILMN_1224447	XM_356351.1	LOC382237	0.716216959
ILMN_1243052	NM_199027.2	ZFP335	0.71594785
ILMN_1255277	NM_144528.1	RNF126	0.715638961
ILMN_2712151	NM_026985.1	1810033B17RIK	0.715556596
ILMN_2615547	NM_030262.3	POFUT2	0.715370034
ILMN_1234519	NM_021427.1	A830059I20RIK	0.713496129
ILMN_2622735	NM_172281.1	RNF40	0.713492602
ILMN_2909105	NM_027773.1	2310047D13RIK	0.712680122
ILMN_2677921	NM_139307.2	VASN	0.712491912
ILMN_2897891	NM_015811.1	RGS1	0.712205031
ILMN_2656614	NM_001081335.1	PARC	0.711953485
ILMN_2745876	NM_145536.1	BC020535	0.711880781
ILMN_3120194	NM_178754.2	ARHGAP6	0.711805944
ILMN_2495703	NM_001039162.1	CLIP2	0.711312865
ILMN_3080371	NM_001037997.1	FERT2	0.710789271
ILMN_2614246	NM_025926.1	DNAJB4	0.710440733
ILMN_2762509	NM_011986.2	NCDN	0.709742461
ILMN_1246573	NM_138304.1	CALML4	0.709658709
ILMN_2866327	NM_008861.2	PKD2	0.709626959
ILMN_2660461	NM_029958.1	LCN12	0.708843358
ILMN_2680142	NM_009673.1	ANXA5	0.707030159
ILMN_1250417	NM_080435.1	ADCY4	0.706667416
ILMN_3160361	NM_001004435.2	PIK3R6	0.705916

ILMN_1248850	NM_145929.1	GGA1	0.705177169
ILMN_1259022	NM_001081006.1	ETL4	0.704657515
ILMN_2649291	NM_021460.1	LIP1	0.703326596
ILMN_2902979	NM_007987.1	FAS	0.702492003
ILMN_1214631	NM_133770.1	ADCK4	0.702140581
ILMN_1234549	NM_001079876.1	GAS2L3	0.70204669
ILMN_1214189	NM_001081342.1	GPR133	0.701507069
ILMN_2593994	XM_001473131.1	5033430I15RIK	0.70144006
ILMN_2942011	NM_028783.2	ROBO4	0.701408
ILMN_2740755	NM_030680.1	UPF1	0.701246633
ILMN_1221501	NM_027464.3	5730469M10RIK	0.700404828
ILMN_2696026	NM_173788.3	NPR2	0.700149385
ILMN_2799596	NM_178926.2	AI662250	0.699693402
ILMN_2687204	NM_133895.1	SLC15A4	0.698984784
ILMN_1245994	NM_010227.2	FLNA	0.698158695
ILMN_2995549	NM_198306.1	GALNT9	0.697729702
ILMN_1222795		CMKBR2	0.697536791
ILMN_2782402	NM_019632.1	NAPB	0.697357143
ILMN_1256171	NM_198167.2	TMEM63B	0.696482744
ILMN_2461320		AU020206	0.6961959
ILMN_2426190	NM_001081229.1	TSC22D2	0.696155018
ILMN_1223598	NM_033218.1	SREBF2	0.695906381
ILMN_1212693	NM_175483.5	SNX33	0.695335304
ILMN_1245335	NM_176995.2	C230078M08RIK	0.695324927
ILMN_2933692	NM_030680.1	UPF1	0.695178156
ILMN_2671266	NM_027081.3	FAM116B	0.694721859
ILMN_2820877	NM_011285.1	RPGR	0.69450544
ILMN_2664224	NM_010145.2	EPHX1	0.694246963
ILMN_1218069	NM_021367.1	TSLP	0.694018833
ILMN_2745993	NM_199307.1	ECE1	0.693964394
ILMN_2728521	NM_011421.1	SMPD1	0.693703119
ILMN_3162394	XM_001475293.1	LOC100040799	0.693608054
ILMN_2450491	NM_015799.3	TRFR2	0.69353676
ILMN_3009469	NM_011639.2	TRIP6	0.693043111
ILMN_1245531	NM_001081324.1	NETO2	0.692928452
ILMN_2712490	XM_917443.2	TMCC1	0.692844932
ILMN_3127932	NM_026013.2	TMEM77	0.692471608
ILMN_1258735	NM_008405.3	ITGB2L	0.692322965
ILMN_2860645	NM_145545.2	GBP6	0.691856855
ILMN_2638333	NM_183426.1	SBNO2	0.691431965
ILMN_1238558	NM_019689.2	ARID3B	0.691152667
ILMN_2540866		BC038881	0.69045142
ILMN_2607040	NM_027165.2	CDK3	0.689669007
ILMN_2760963	NM_177030.3	DOCK6	0.689432965
ILMN_2697279	NM_145540.2	INTS3	0.689089174
ILMN_2856187	NM_026327.3	1810048J11RIK	0.688627202

ILMN_2871359	NM_001039039.1	EG622320	0.68854848
ILMN_2651698	NM_175273.2	2310046006RIK	0.68842204
ILMN_1214822	NM_013529.2	GFPT2	0.688295516
ILMN_2972748	NM_023580.2	EPHA1	0.687882388
ILMN_2704186		5031439A09RIK	0.68762873
ILMN_2588556	NM_027264.1	2610041B18RIK	0.687564435
ILMN_2890284	NM_028043.2	D1BWG0212E	0.686663092
ILMN_2726808		4930553M18RIK	0.686387667
ILMN_2860649	NM_145545.2	GBP6	0.685884203
ILMN_2979776	NM_029924.1	MBD5	0.685529334
ILMN_2752470		HCR	0.685308139
ILMN_1247053	NM_172945.2	ANKRD13B	0.684673977
ILMN_2901029	NM_207255.1	ZFP532	0.684642232
ILMN_2713538	NM_009755.2	BMP1	0.684319567
ILMN_2783223	NM_001013828.1	LOC435565	0.683992158
ILMN_2922560	NM_025807.1	SLC16A9	0.683946527
ILMN_1256528	NM_029798.2	FLYWCH2	0.683042409
ILMN_2740628	NM_013865.1	NDRG3	0.683006684
ILMN_1240318	NM_011405.3	SLC7A7	0.681991898
ILMN_2656776	NM_183321.1	BC053749	0.681870063
ILMN_1217118	NM_032003.1	ENPP5	0.681606158
ILMN_1253008	NM_009338.3	ACAT2	0.681594
ILMN_3103233	NM_010319.3	GNG7	0.681199818
ILMN_1250438	NM_010807.3	MARCKSL1	0.681156324
ILMN_2706677	NM_175326.4	D330045A20RIK	0.680616828
ILMN_1230997	NM_028335.1	ZFP248	0.680286424
ILMN_2644632	NM_009295.1	STXBP1	0.680252006
ILMN_3158633	NM_026833.1	ORF19	0.68005928
ILMN_1234301	NM_029998.2	6030458C11RIK	0.679747648
ILMN_2972063	NM_027086.1	UBL7	0.679492825
ILMN_2759114	NM_153582.4	CMTM4	0.679302843
ILMN_2516833	NM_199449.2	ZHX2	0.679184253
ILMN_1224936	NM_027115.2	MAPK1IP1	0.679004756
ILMN_1228020	NM_173366.1	1500010G04RIK	0.67854771
ILMN_1231104	NM_010897.1	NF1	0.678160916
ILMN_2604548	NM_016758.2	RGS14	0.677994
ILMN_2805672	NM_011074.1	PFTK1	0.677954432
ILMN_2429970	NM_031177.2	IFT122	0.677695274
ILMN_2461209		2810449M09RIK	0.677583879
ILMN_2670778	NM_207682.2	KIF1B	0.677580462
ILMN_2722346		IMAP38	0.677005836
ILMN_2653972	NM_177150.2	CENPT	0.676852284
ILMN_2855397	NM_008244.2	HGS	0.676311887
ILMN_1238590	XM_125817.6	BBS10	0.67624707
ILMN_1232601	NM_007805.4	CYB561	0.676094118
ILMN_2688415	XM_001002205.2	1300010F03RIK	0.675726136

ILMN_2723474	NM_009624.2	ADCY9	0.67525521
ILMN_2839877	NM_172637.1	HECTD2	0.674986679
ILMN_2928160	NM_011690.2	VARS	0.674103597
ILMN_3130768	NM_028407.3	GCAP14	0.674061239
ILMN_2623531	NM_025898.3	NAPA	0.673897836
ILMN_2766493	NM_026637.3	A030007L17RIK	0.6736178
ILMN_1258376	NM_001033525.2	KCNK6	0.673490082
ILMN_1241910	NM_025550.2	PSMD6	0.673442872
ILMN_3101732	NM_009303.2	SYNGR1	0.673339547
ILMN_2742075	NM_009841.3	CD14	0.673229047
ILMN_2715744	NM_011952.1	MAPK3	0.671778244
ILMN_2744909	NM_177910.2	GMPPB	0.671745389
ILMN_3001481	NM_009601.3	CHRNB1	0.671404061
ILMN_1230037	XM_915679.2	2700023E23RIK	0.671332649
ILMN_2467534	NM_031156.2	IDE	0.671111613
ILMN_2621433	NM_054071.1	FGFRL1	0.671065521
ILMN_2957617	NM_029643.2	GPR172B	0.670662225
ILMN_2967294	NM_010047.1	DGCR6	0.670303944
ILMN_2768841	NM_024436.1	RAB22A	0.670228147
ILMN_1224855	XM_620286.3	SAMD9L	0.670059373
ILMN_2959285	NM_145427.1	ATPAF2	0.669705619
ILMN_2971999	NM_001033484.1	IQGAP3	0.669621095
ILMN_3011294	NM_001012517.2	FUT10	0.668260508
ILMN_1232971		6530415H11RIK	0.668157962
ILMN_2725617	NM_008439.3	KHK	0.667965854
ILMN_1255302		D230046F09RIK	0.667703315
ILMN_2944272	NM_174847.1	5830404H04RIK	0.667548622
ILMN_1255207	XM_001478817.1	LOC100047749	0.667114238
ILMN_2686252	NM_178795.3	HISPPD2A	0.666889411
ILMN_1226801	NM_172817.1	ZFP647	0.666777239
ILMN_2595387	NM_194346.2	RNF31	0.666663454
ILMN_3102736	NM_001033302.1	GM129	0.66661633
ILMN_2657682	XM_131083.2	2010308M01RIK	0.6665137
ILMN_3006123	NM_012055.1	ASNS	0.666278099
ILMN_3002875	NM_015805.2	ATP9B	0.66556077
ILMN_1213316	NM_023626.4	ING3	0.665210205
ILMN_3160574	NM_177101.4	4833442J19RIK	0.665013409
ILMN_2730831	XM_130609.2	4921517L17RIK	0.664779637
ILMN_2464693	NM_030220.3	SP2	0.66453376
ILMN_1238893	NM_023684.2	LIME1	0.662966473
ILMN_2861123	NM_144916.1	TMEM150	0.662803721
ILMN_2713879	NM_146122.2	DENND1A	0.662790632
ILMN_2622761	NM_025835.2	PCCB	0.662464703
ILMN_2762380	NM_199016.2	ENPP4	0.661889205
ILMN_2749138	NM_001081050.1	PARD3B	0.661784003
ILMN_2668224	NM_001081083.1	ARMC3	0.661607001

ILMN_2989706	NM_011034.2	PRDX1	0.661488011
ILMN_2993334	NM_024413.1	PLEKHF1	0.659652124
ILMN_1241455	XM_204182.3	1520402A15RIK	0.659648177
ILMN_2622983	NM_013642.2	DUSP1	0.658362739
ILMN_2979089	NM_021396.1	PDCD1LG2	0.658266613
ILMN_2700338	NM_198302.2	RBM11	0.658120527
ILMN_1228211	NM_009363.3	TFF2	0.657996297
ILMN_3002505	NM_022419.1	ABHD8	0.657742404
ILMN_3028575	NM_009303.2	SYNGR1	0.657092693
ILMN_1224898	NM_008132.2	GLRP1	0.656998043
ILMN_1250435	NM_025856.2	1700029G01RIK	0.656371925
ILMN_1227065	NM_175684.4	FCHSD1	0.655925112
ILMN_2740764	NM_019924.1	RPS6KA4	0.655806135
ILMN_2774486	NM_133217.2	BCDO2	0.655727611
ILMN_2802311	NM_001033458.1	GM1673	0.655594715
ILMN_2675674	NM_153807.1	BC018371	0.655575787
ILMN_1212959	NM_172371.3	SLC16A13	0.654849814
ILMN_1218842	XM_355021.1	LOC381105	0.654823554
ILMN_1213779	NM_194348.3	ATG2A	0.654602342
ILMN_1227282	NM_146064.1	SOAT2	0.654361575
ILMN_2467513		2810468N07RIK	0.654105758
ILMN_1213117	NM_134125.3	TRIP10	0.65389107
ILMN_2503987	NM_001025594.1	ZBTB43	0.653179461
ILMN_2868131	NM_133779.2	PIGT	0.653051539
ILMN_1224114	NM_010744.3	TMED1	0.653034022
ILMN_2792485	NM_144839.1	UBE2E2	0.652803477
ILMN_2902228	NM_175484.1	CORO2B	0.652048368
ILMN_1244845	NM_026272.2	NARF	0.652032721
ILMN_2918278	NM_001033363.1	BC025920	0.651851962
ILMN_2956092	NM_178045.3	RASSF4	0.650488563
ILMN_2715749	NM_030675.2	KRIT1	0.650018334
ILMN_2618526	NM_178728.5	NAPEPLD	0.649645252
ILMN_2714534	NM_008927.3	MAP2K1	0.649577302
ILMN_2543108		2310047D13RIK	0.649108974
ILMN_2647427	NM_028883.2	4632415K11RIK	0.64839824
ILMN_2441482		8430429K09RIK	0.648304286
ILMN_2524120	XM_889570.2	1700013G10RIK	0.647628294
ILMN_2695181	NM_013870.2	SMTN	0.647451195
ILMN_3161652	NM_153197.3	CLEC4A3	0.647393675
ILMN_1250103	NM_019725.1	TLE2	0.647291661
ILMN_1237961	NM_138719.3	GNB5	0.646687768
ILMN_2662675	NM_172698.2	4732418C07RIK	0.64663988
ILMN_2454230		VTI1A	0.646310504
ILMN_1234190	XM_357002.5	PSMA8	0.646210807
ILMN_1225662	XM_994504.1	1700016J18RIK	0.646197474
ILMN_2959787	NM_026553.2	YIF1A	0.645878454

ILMN_2744936	NM_027838.2	SENP8	0.645446911
ILMN_2796878	NM_133680.2	HIATL1	0.645194065
ILMN_3049650	NM_001033525.1	KCNK6	0.644461589
ILMN_1229529	NM_010476.3	HSD17B7	0.644389123
ILMN_2940713	NM_001015046.2	GARNL4	0.644275518
ILMN_1247704	NM_175074.1	HMG3	0.644273026
ILMN_1219184	XM_289726.2	GATS	0.644144164
ILMN_2474596	NM_027326.3	MLLT3	0.644102242
ILMN_2609394	NM_177858.2	4933431E20Rik	0.644086114
ILMN_2615751	NM_175515.4	INTU	0.643819759
ILMN_3161626	NM_145401.1	PRKAG2	0.643760664
ILMN_1250279	NM_009254.2	SERPINB6A	0.643594492
ILMN_2758662	XM_001473299.1	LOC100043982	0.643338868
ILMN_1227889	NM_146135.1	PIAS3	0.643107746
ILMN_2804251	NM_025364.1	1110005A23RIK	0.642868449
ILMN_2731949	NM_011803.2	KLF6	0.642511412
ILMN_2600078	NM_144849.1	ANKRD54	0.642192426
ILMN_1248650	NM_028375.2	2900027G03RIK	0.641610314
ILMN_2430704	NM_029512.2	TTPAL	0.641312076
ILMN_1214465		PIGM	0.641299791
ILMN_1246107	NM_199038.2	CASC4	0.641025886
ILMN_2546888		SNRP70	0.640894463
ILMN_2757150	NM_011049.4	PCTK1	0.640668973
ILMN_2786125	NM_145484.2	ZFP758	0.640250386
ILMN_2507232	NM_001079876.1	GAS2L3	0.640111127
ILMN_1215822	NM_029296.1	1700001C19RIK	0.640062059
ILMN_2627205	NM_027230.3	PRKCBP1	0.640036028
ILMN_1232391		2210011G09RIK	0.639938799
ILMN_2903945	NM_011817.1	GADD45G	0.639858744
ILMN_2745925	NM_145519.1	FARP2	0.63981393
ILMN_2718789	NM_020011.3	SPHK2	0.639675366
ILMN_1230843	NM_011020.3	HSPA4L	0.639348641
ILMN_2524100		ZSWIM6	0.639158323
ILMN_2981169	NM_008332.2	IFIT2	0.639005178
ILMN_2644719	NM_026122.3	HMG3	0.638728361
ILMN_1220603	NM_133836.1	IL15RA	0.638251871
ILMN_2646625	NM_010591.1	JUN	0.637013749
ILMN_1226540	NM_053014.3	AGPAT3	0.636203938
ILMN_1241764	NM_146176.2	CNOT3	0.635480361
ILMN_2615879	NM_019861.1	CTSF	0.635178268
ILMN_3143266	NM_009106.1	RTKN	0.635168561
ILMN_2620106		DHCR24	0.63507826
ILMN_2546887	XR_035347.1	2700046G09RIK	0.634360562
ILMN_1238200	XM_001472995.1	LOC100039496	0.634158238
ILMN_1242159	NM_029281.2	ZFP820	0.633535304
ILMN_3139354	NM_011363.2	SH2B1	0.632766924

ILMN_2729574	NM_001083315.1	ST7	0.632279278
ILMN_2777555		FBXO4	0.632043606
ILMN_1220034	NM_008416.1	JUNB	0.631660509
ILMN_1249766	NM_010262.3	GBX2	0.631377133
ILMN_1256624	NM_013925.3	ADAT1	0.631010633
ILMN_1245437	XM_485873.4	SYMPK	0.63080606
ILMN_2580825		D930038O18RIK	0.630757812
ILMN_3127066	NM_007928.2	MARK2	0.630002072
ILMN_2685772	NM_019972.2	SORT1	0.629885447
ILMN_1253947		TRAF1	0.628737395
ILMN_1258998	NM_025456.3	EAPP	0.628035506
ILMN_1240979	NM_019547.2	RBM38	0.627862469
ILMN_1258006		1700120C14RIK	0.626916073
ILMN_1221592	NM_025468.2	SEC11C	0.626869552
ILMN_2510875	NM_013760.4	DNAJB9	0.626388857
ILMN_2750588	NM_133804.2	TMEM132A	0.626007267
ILMN_2754596	NM_139153.1	CENTG3	0.625945895
ILMN_3134607	NM_018880.2	TRIM3	0.625341404
ILMN_2740890	NM_028666.2	FAM110A	0.624980073
ILMN_2723826	NM_011405.1	SLC7A7	0.624924598
ILMN_1255190	NM_181344.4	C1RL	0.624415456
ILMN_1229977	NM_009986.3	CUX1	0.623360515
ILMN_2684093	NM_020002.2	REC8	0.623047219
ILMN_1253678	XM_001471479.1	LOC100044275	0.623035377
ILMN_1251986	NM_001100591.1	RC3H2	0.622800656
ILMN_1212997	NM_176951.3	XKR5	0.622648765
ILMN_2643326	NM_183259.2	2210020M01RIK	0.622593541
ILMN_2658501	NM_025378.2	IFITM3	0.622565686
ILMN_1234020		SCL0002007.1_97	0.62248279
ILMN_2824582	NM_001039721.1	A230107C01RIK	0.622004623
ILMN_2432200		EPB4.1	0.621218419
ILMN_1242356		2010205O06RIK	0.621110481
ILMN_2742636	NM_010719.2	LIPE	0.620873876
ILMN_1257365	NM_178060.2	THRA	0.620604579
ILMN_2718204	NM_009131.2	CLEC11A	0.620416803
ILMN_2495299	NM_175160.3	ZDHHC1	0.619829249
ILMN_3125181	NM_001025589.1	RFXANK	0.619820742
ILMN_2957968	NM_001024926.1	CYB5D2	0.619623916
ILMN_2605703	NM_027356.2	UFSP1	0.619563233
ILMN_2718645	NM_024452.2	LUZP1	0.619524405
ILMN_2449157	NM_009404.3	TNFSF9	0.619504696
ILMN_1258148	NM_010567.1	INPPL1	0.619282531
ILMN_2956095	NM_178045.3	RASSF4	0.618898471
ILMN_2706014	NM_134133.2	2010002N04RIK	0.618830438
ILMN_1241811		2610029K11RIK	0.6186769
ILMN_1231012	NM_010696.3	LCP2	0.618296819

ILMN_2694446	NM_177156.2	A730089K16RIK	0.618034223
ILMN_2686244	NM_178045.3	RASSF4	0.618007298
ILMN_2683980	NM_010828.2	CITED2	0.617876261
ILMN_2883795	NM_178896.2	DCUN1D4	0.61777081
ILMN_2678336	NM_007795.1	CTF1	0.617169484
ILMN_2700059	NM_009194.2	SLC12A2	0.616775788
ILMN_2750047	NM_007781.2	CSF2RB2	0.616592171
ILMN_2701093	NM_146145.2	JAK1	0.616551846
ILMN_2605512	NM_008484.2	LAMB3	0.61594012
ILMN_2980532	NM_009370.2	TGFBR1	0.615842817
ILMN_1229259	NM_026474.5	SUGT1	0.615283309
ILMN_1248302	NM_133188.1	DAZAP1	0.615042981
ILMN_1250076	NM_134023.1	TBC1D10A	0.614690935
ILMN_3155342	NM_133717.2	RAB43	0.614091778
ILMN_2646166		NDRL	0.614091515
ILMN_2422042	BC033468.1	SCL000981.1_40	0.613872365
ILMN_1230926	NM_011858.3	ODZ4	0.613849903
ILMN_3123473	NM_019698.1	ALDH18A1	0.613679986
ILMN_2721724	NM_172624.2	DPP9	0.613430966
ILMN_2741063	NM_145144.1	2810003C17RIK	0.613213945
ILMN_2783852	NM_181039.1	LPHN1	0.613191665
ILMN_2688912	NM_007972.2	F10	0.613184729
ILMN_2607786	NM_146094.1	FADS1	0.612983785
ILMN_2504294		ZBPB	0.612791654
ILMN_1240161		E030040L08RIK	0.612753107
ILMN_2435056		AIPL1	0.612657008
ILMN_2704184		5031439A09RIK	0.611991153
ILMN_2532603	XM_142236.4	LOC245668	0.611898542
ILMN_3127178	NM_198932.2	POU2F1	0.611829308
ILMN_1230339	NM_178371.3	SLC9A8	0.611716059
ILMN_2701534	NM_028779.4	AMPD2	0.611690971
ILMN_2773113	NM_007599.3	CAPG	0.611403294
ILMN_2754148	NM_001048054.1	DUSP16	0.611119029
ILMN_2647694	XM_992447.1	E130102H24RIK	0.610392265
ILMN_2605935	XM_990406.1	EG667410	0.610304942
ILMN_2642546	NM_177310.2	XPNPEP3	0.610056629
ILMN_2692399	NM_025629.2	ADAMTSL5	0.609761061
ILMN_2707188	NM_172688.2	MAP3K7	0.609405187
ILMN_1232849	NM_025584.1	2410026K10RIK	0.608939795
ILMN_2600753	NM_010822.2	MPG	0.608910647
ILMN_2601840	NM_028716.1	PHF19	0.608379509
ILMN_3112922	NM_001077696.1	HDAC5	0.608242996
ILMN_2635642	NM_198012.1	TRIM68	0.608162802
ILMN_2754158	NM_011579.2	TGTP	0.607849338
ILMN_1218880	NM_177323.2	1500019C06RIK	0.607649366
ILMN_1225118	XM_001473988.1	LOC100045280	0.60643946

ILMN_2507286	NM_033622.1	TNFSF13B	0.606143009
ILMN_2798079	NM_025819.2	1200016B10RIK	0.606130518
ILMN_1228374	NM_023063.1	LIMA1	0.605902734
ILMN_1240857	NM_009944.3	COX7A1	0.605838331
ILMN_2509817	NM_009727.2	ATP8A1	0.605640415
ILMN_2871628	NM_011162.2	MAPK8IP1	0.605266723
ILMN_2497226		C230037E05RIK	0.605224823
ILMN_1248388	XM_001473988.1	LOC100045280	0.60504874
ILMN_1240445	NM_133774.4	STARD4	0.604732666
ILMN_1245043	XM_129164.2	LOC226017	0.604681967
ILMN_2946119	NM_001033175.1	CLN6	0.604665103
ILMN_3008238	NM_021793.1	TMEM8	0.604570271
ILMN_2486012		C330006P03RIK	0.603988526
ILMN_2789294	NM_027865.1	TMEM25	0.603782077
ILMN_2593230	NM_010806.1	MLLT4	0.603279184
ILMN_2818895	NM_008180.1	GSS	0.603008819
ILMN_2693827	XM_001476186.1	ATG16L2	0.602783284
ILMN_2976250	NM_022328.2	MLLT1	0.602618494
ILMN_1234533	NM_019723.2	SLC22A21	0.602541255
ILMN_2499305	NM_183355.2	PBX1	0.602197969
ILMN_2622374	NM_010882.3	NDN	0.602020903
ILMN_2688075	NM_020010.2	CYP51	0.601697694
ILMN_2604501	NM_175526.2	CLEC1A	0.601297714
ILMN_2623451	NM_026298.4	IFT172	0.600443263
ILMN_1248721	NM_001042670.1	ENSMUSG00000053178	0.600395639
ILMN_2798993	NM_011584.2	NR1D2	0.59992949
ILMN_1219193	NM_172424.2	THRAP2	0.599885834
ILMN_2894587	NM_205820.1	TLR13	0.599561487
ILMN_1219918	NM_025521.3	2310011J03RIK	0.599529065
ILMN_2752204	NM_172860.1	CBFA2T2	0.599463803
ILMN_2744512	NM_009275.4	SRPRB	0.599237977
ILMN_1238608	NM_170680.2	ABCC10	0.598973265
ILMN_2879755	NM_145968.1	TAGAP	0.598800965
ILMN_1246073	NM_010094.3	LEFTY1	0.598764355
ILMN_2815024	NM_016893.2	FUT8	0.598541207
ILMN_2596421	NM_175018.2	A430079E08	0.598299158
ILMN_1229200	XM_133096.5	3321401G04RIK	0.598260598
ILMN_2686926	NM_174852.2	PHF12	0.598227784
ILMN_2810331	NM_018786.1	PRPF40B	0.598049947
ILMN_2476742		1110062M06RIK	0.597374148
ILMN_1259764		1500005K14RIK	0.596899852
ILMN_2625377	NM_015811.1	RGS1	0.596410133
ILMN_2497745	NM_001081230.1	MTAP9	0.596393369
ILMN_2873822	NM_009636.1	AEBP1	0.596248114
ILMN_1248156	XR_035438.1	D830044I16RIK	0.596049033
ILMN_2799945	NM_019735.2	APIP	0.595939407

ILMN_2851023	NM_027910.1	KLHDC3	0.595935924
ILMN_2807449	NM_133924.2	SNX21	0.595566712
ILMN_2777668		NTE	0.595400077
ILMN_1260445	NM_011814.2	FXR2	0.595167904
ILMN_3147944	NM_001035854.2	AP2B1	0.59512175
ILMN_1241437	NM_010356.3	GSTA3	0.594325782
ILMN_2572938		D030044M21RIK	0.594201026
ILMN_2974041	NM_013872.1	PMM1	0.594121488
ILMN_1241354	NM_183020.1	ATXN2L	0.593967367
ILMN_1246295	NM_133679.1	CRYZL1	0.593935427
ILMN_2960714	NM_026644.1	AGPAT4	0.593694541
ILMN_2718791	NM_020011.4	SPHK2	0.593522231
ILMN_3143078	NM_009749.1	BEX2	0.593079541
ILMN_2990041	NM_030208.1	2310079F23RIK	0.593003393
ILMN_2841289	NM_009396.1	TNFAIP2	0.59287828
ILMN_1238058	NM_144941.2	MTAP7D1	0.592718142
ILMN_2774596	NM_010683.2	LAMC1	0.592685496
ILMN_2698801	NM_001003917.3	ATG9A	0.592633193
ILMN_2441176		SUFU	0.592410834
ILMN_2797825	NM_172371.1	SLC16A13	0.592149609
ILMN_2592449	NM_026977.1	1810031K17RIK	0.592013409
ILMN_1239507	NM_025300.2	MRPL15	0.591593558
ILMN_3155228	NM_001081160.1	MDGA1	0.591057139
ILMN_1226099		TNFSF13B	0.590928828
ILMN_1253347	NM_027564.3	4921507P07RIK	0.59062301
ILMN_2974064	NM_027881.1	OSBPL3	0.590407485
ILMN_2864179	NM_001037930.2	MGC107702	0.590229694
ILMN_2722389	NM_134089.1	SCRIB	0.590015907
ILMN_1232668		MAD	0.590000866
ILMN_2744587	NM_019686.3	CIB2	0.58983832
ILMN_2677882	NM_198294.2	TANC1	0.58922505
ILMN_2858938	NM_028711.1	SLC25A27	0.589181203
ILMN_2837156	NM_027257.1	OBFC2B	0.589091683
ILMN_2630772	NM_177919.1	TCEAL5	0.588365637
ILMN_2463033		2700050C19RIK	0.588176929
ILMN_2656854	NM_001039546.1	MYO6	0.588118685
ILMN_2942276	NM_024452.2	LUZP1	0.58782907
ILMN_2707227	NM_027853.2	METTL7B	0.587771036
ILMN_2941992	NM_011183.1	PSEN2	0.587302219
ILMN_1238310	NM_001033458.2	GM1673	0.587174089
ILMN_2754167	XM_359282.1	H2-Q7	0.586961678
ILMN_2661666	NM_018783.3	TFIP11	0.586863617
ILMN_2462151		DGKQ	0.586459066
ILMN_2648486	NM_001033164.2	2510002D24RIK	0.585260635
ILMN_1242093		A230005G17RIK	0.585152481
ILMN_2803344	NM_144801.1	TMEM143	0.584876648

ILMN_2775300	NM_183137.2	2410002I01RIK	0.584707868
ILMN_1219459	NM_178623.3	2010005J08RIK	0.584234774
ILMN_2953017	NM_001005507.1	SMG7	0.584124721
ILMN_2725082	NM_172783.1	PHKA2	0.58408135
ILMN_2754233	NM_197943.2	SGSM2	0.583799266
ILMN_2633148	NM_028121.1	ADPGK	0.583738391
ILMN_2638520	XM_484616.4	RAB11FIP3	0.583406673
ILMN_2665035	NM_134161.2	FUT10	0.583276452
ILMN_1214517	NM_183254.1	1700025K23RIK	0.583009027
ILMN_2695035	NM_144859.2	PJA2	0.582646163
ILMN_1242571	NM_153805.1	PKN3	0.582465444
ILMN_2593241	NM_010790.2	MELK	0.581900877
ILMN_2981792	NM_008992.1	ABCD4	0.581810874
ILMN_1236312	NM_172926.2	SNX14	0.581136903
ILMN_1241077	NM_010459.6	HOXB4	0.581052503
ILMN_1228850	NM_019937.3	CCNL1	0.580905998
ILMN_1244594		MVK	0.580646408
ILMN_2618221	NM_011366.2	SORBS3	0.580073748
ILMN_1247765	NM_001081279.1	MFHAS1	0.580070998
ILMN_3122383	NM_001025613.1	OTUD7B	0.579989523
ILMN_3143651	NM_001081083.1	ARMC3	0.579891714
ILMN_3160592	NM_001004178.1	AA415398	0.579742967
ILMN_1254547	NM_013613.1	NR4A2	0.579599981
ILMN_1249759	NM_133836.1	IL15RA	0.579502735
ILMN_1237017	NM_011678.1	USP4	0.579237586
ILMN_3162407	NM_011756.4	ZFP36	0.579153339
ILMN_1228629	NM_133218.1	ZFP704	0.578857241
ILMN_2455904	XM_895387.2	2210408F21RIK	0.578621128
ILMN_2987709	NM_023044.1	SLC15A3	0.578611471
ILMN_2672543	NM_207202.2	CCDC120	0.578572867
ILMN_2437792	NM_001081344.1	STXBP5	0.578560037
ILMN_2599392	NM_176987.3	4732471D19RIK	0.578352917
ILMN_2814350	NM_021527.1	MKKS	0.578120347
ILMN_1253544		2900060B14RIK	0.576907311
ILMN_2856095	NM_153159.1	ZC3H12A	0.576894242
ILMN_2449019	NM_016788.2	TNK2	0.576782321
ILMN_2770429		PLOD2	0.576470065
ILMN_2916791	NM_172941.2	ZKSCAN17	0.576343713
ILMN_1230413	NM_017382.4	RAB11A	0.576194224
ILMN_1245733	NM_001024922.2	DDX49	0.576062999
ILMN_3138057	NM_183172.1	RIC8B	0.575869078
ILMN_2868459	NM_172528.2	LRRC1	0.575657585
ILMN_2874816	NM_172587.2	CDC14B	0.575103057
ILMN_2599130	NM_007438.3	ALDOA	0.575101625
ILMN_1244584	NM_173392.3	ZFYVE16	0.575052819
ILMN_3144575	NM_133663.2	ITGB4	0.574822386

ILMN_2741383	NM_147155.2	TAGAP1	0.574666056
ILMN_2429059	NM_001085416.1	ZFP467	0.574539952
ILMN_1248367	NM_172961.2	ABAT	0.574336538
ILMN_2694329	NM_138646.2	HPS4	0.573680809
ILMN_2970834	NM_023041.2	PEX19	0.573327508
ILMN_1245529	NM_008793.1	PCSK4	0.572888093
ILMN_2592507	NM_172261.2	PPP1R9B	0.57265034
ILMN_2685985	XM_194337.7	MEGF8	0.572450007
ILMN_2685890	NM_177138.2	6720469N11RIK	0.57216765
ILMN_2927373	NM_007837.2	DDIT3	0.571839211
ILMN_2441303		8430438L13RIK	0.57154806
ILMN_1254655	NM_007609.1	CASP4	0.571534468
ILMN_2905859	NM_019750.2	NAT6	0.571422549
ILMN_2700425	NM_015805.2	ATP9B	0.571257358
ILMN_2632489	NM_133710.1	CTDSP1	0.571188916
ILMN_2848473	NM_001045524.1	AK129341	0.570761848
ILMN_2620089	NM_153796.3	PEO1	0.570699131
ILMN_2990152	NM_027539.3	DCLK2	0.570632493
ILMN_2632230	NM_145528.2	D2ERTD391E	0.570157963
ILMN_2900854	NM_178061.4	MOBK12B	0.56927587
ILMN_2461707	NM_001039080.1	RBMS2	0.568664357
ILMN_2694842	NM_178932.1	AOC2	0.568037752
ILMN_2687071	NM_026097.2	RFFL	0.567995743
ILMN_3140516	NM_001039086.1	RAPGEF1	0.567727998
ILMN_2621921	NM_011930.3	CLCN7	0.567459485
ILMN_1214991	NM_153545.1	LRRC45	0.567428816
ILMN_2601670	NM_178236.3	ASB7	0.566862791
ILMN_1219682	NM_207225.1	HDAC4	0.566817048
ILMN_1234901	NM_024208.4	ECHDC3	0.566723087
ILMN_1228060	NM_001081374.1	PRSS36	0.566707186
ILMN_2715802	NM_016660.2	HMGA1	0.566227964
ILMN_1248354	XM_140320.7	CCDC112	0.566000348
ILMN_2676181	NM_022432.3	SIRT2	0.565980927
ILMN_2496455	NM_001044698.1	ZFP2	0.565337338
ILMN_1254154	NM_020027.2	BAT2	0.565200561
ILMN_2626585	NM_010588.2	JAG2	0.564614753
ILMN_2578789		D030010H02RIK	0.56448387
ILMN_2621581	NM_013870.2	SMTN	0.564479299
ILMN_2995370	NM_001009927.1	SMCR7	0.564306796
ILMN_2448599	XM_001474014.1	LOC100040061	0.564229963
ILMN_2738548	XM_134478.2	2010007L18RIK	0.564128463
ILMN_2874414	NM_027804.2	USP19	0.563842032
ILMN_2665715	NM_133994.3	GSTT3	0.563774899
ILMN_2645090	NM_153091.2	ST7L	0.563453598
ILMN_2721982	NM_172472.2	TCFE3	0.563366703
ILMN_2659160	NM_001077696.1	HDAC5	0.563320152

ILMN_2551902		2210039O17RIK	0.563220775
ILMN_2929966	NM_133893.1	OAS1D	0.56286477
ILMN_2569706		D230021E06RIK	0.56249295
ILMN_1232707		SAMHD1	0.562311666
ILMN_1231405	NM_011986.2	NCDN	0.562149952
ILMN_1252308	NM_182999.1	RNF20	0.561978748
ILMN_2938904	NM_026619.1	GSTO2	0.561975686
ILMN_1233120	XM_920730.2	1700112E06RIK	0.561896668
ILMN_2657800	NM_007772.1	HIVEP1	0.561608604
ILMN_2887104	NM_175181.3	2600010E01RIK	0.561508742
ILMN_2712280	NM_025661.3	ORMDL3	0.561318523
ILMN_2705802	NM_016916.3	BLCAP	0.561298266
ILMN_1256463	NM_145586.1	TMEM159	0.561017734
ILMN_1222036	NM_027995.2	PAQR7	0.560357035
ILMN_1254644	NM_013539.1	SPSB2	0.560271717
ILMN_2864062	NM_009504.2	VDR	0.560004417
ILMN_3144164	NM_001081212.1	IRS2	0.559910348
ILMN_3094506	NM_177566.3	ARHGEF15	0.559856679
ILMN_1216552	NM_175484.3	CORO2B	0.559543379
ILMN_2967455	NM_011625.1	PPP1R13B	0.559288667
ILMN_2879745	NM_010688.2	LASP1	0.559252192
ILMN_1246998		3110001A05RIK	0.558831271
ILMN_2957944	NM_178898.2	AI894139	0.558711055
ILMN_1254000	NM_019586.3	UBE2J1	0.558344496
ILMN_1241720		9430081H08RIK	0.558258534
ILMN_2547313		RXRB	0.558080395
ILMN_2424268	NM_207212.2	WTIP	0.557521481
ILMN_2958207	NM_010941.3	NSDHL	0.557384646
ILMN_2607297	NM_028369.2	MON1A	0.557229071
ILMN_2653617	NM_007653.1	CD63	0.557165008
ILMN_3162516	NM_001037932.1	OTTMUSG0000000099	0.557138117
ILMN_2713969	NM_013717.2	B9D1	0.556608186
ILMN_2423196		9230112E08RIK	0.556518189
ILMN_1230304	XR_030976.1	LOC100044774	0.556331935
ILMN_2914453	NM_144920.3	PLEKHA5	0.556215371
ILMN_2668778	NM_029768.3	USE1	0.556210919
ILMN_2860750	NM_025665.1	2610209M04RIK	0.556055135
ILMN_2612754	NM_177662.2	CTSO	0.555809628
ILMN_1258931	NM_016699.1	EXOSC10	0.555690843
ILMN_2725083	NM_172783.2	PHKA2	0.555590741
ILMN_2665131	NM_013785.2	IHPK1	0.555389044
ILMN_3132660	NM_011244.3	RARG	0.55529513
ILMN_2727299	XM_001474974.1	WDR25	0.555037615
ILMN_2525382	NM_001033175.2	CLN6	0.554942669
ILMN_1220861	NM_001042487.1	DLGAP4	0.554926334
ILMN_2683244	NM_001081322.1	MYO5C	0.554910638

ILMN_1247614	NM_173745.4	DUSP18	0.554619465
ILMN_2736153	NM_022012.3	MAP3K11	0.554423373
ILMN_2551437	XM_001474132.1	LOC625175	0.554358376
ILMN_2654952	XM_001475189.1	LOC100040592	0.5542225
ILMN_2750578	NM_177594.1	MTMR9	0.553846069
ILMN_2705570	NM_025964.3	FAM119A	0.553491117
ILMN_2593338	NM_025914.2	ACTR6	0.553124993
ILMN_2441811	NM_177758.3	ZSCAN20	0.552310389
ILMN_2878781	NM_134189.2	GALNT10	0.552054768
ILMN_1218605		NFKBIA	0.551912221
ILMN_2841328	NM_146216.2	VAC14	0.551606563
ILMN_1227666	NM_009948.1	CPT1B	0.551455934
ILMN_2642133	NM_011379.3	SIPA1	0.551357555
ILMN_2765741	NM_001008543.2	MXI1	0.551135854
ILMN_2945835	NM_007523.2	BAK1	0.55104235
ILMN_1231096		2310036D22RIK	0.551010393
ILMN_2764549	NM_172758.3	BC031853	0.550723185
ILMN_3160783	NM_001014974.1	TTLL4	0.549970492
ILMN_2603081	NM_026004.2	NT5C3	0.549772624
ILMN_2652085	NM_026075.2	SFRS12IP1	0.549340429
ILMN_2810624	NM_144942.1	CSAD	0.548980809
ILMN_2729771	NM_001039521.1	RRN3	0.548972751
ILMN_1215644	XR_032896.1	LOC100047634	0.548828708
ILMN_1251301	NM_029091.2	KLC4	0.548749724
ILMN_2831768	NM_177709.2	TUSC5	0.548585166
ILMN_2666582	NM_013610.1	NINJ1	0.548217107
ILMN_2833152	NM_026739.1	9530077C05RIK	0.548186578
ILMN_2740159	NM_025970.3	ZBTB8OS	0.548110907
ILMN_2755585	NM_027106.3	AVPI1	0.54773196
ILMN_1230444	NM_134105.2	TXNDC11	0.547616071
ILMN_2685769	XM_127132.3	AW555464	0.547240704
ILMN_2682271	NM_021550.2	C1GALT1C1	0.547055494
ILMN_2736566	NM_178919.3	LMF2	0.546836552
ILMN_2917338	NM_026301.1	RNF125	0.546831225
ILMN_1236899		A830087P12RIK	0.546678429
ILMN_2494251	NM_011653.2	TUBA1A	0.546546036
ILMN_2860281	NM_001024708.1	LOC436177	0.546040137
ILMN_2673268	XM_128715.5	E130307D12	0.545985502
ILMN_2598622	XM_129596.2	SLAMF8	0.545948924
ILMN_1236535	XM_356006.1	LOC381971	0.545447523
ILMN_2561993		A130039H09RIK	0.545329628
ILMN_1255657	NM_026417.3	YIPF4	0.545220166
ILMN_1234336	NM_139117.2	CSDA	0.545089375
ILMN_2525513	NM_008363.2	IRAK1	0.545037433
ILMN_2637953	NM_008874.2	PLCB3	0.544859272
ILMN_2452717		2610019E17RIK	0.544795784

ILMN_1248843	NM_008091.2	GATA3	0.544573329
ILMN_2699367	NM_197988.1	1190005I06RIK	0.544374069
ILMN_1247245	NM_030252.2	BC003266	0.544346865
ILMN_1248994	XM_001004724.2	4933407C03RIK	0.544139576
ILMN_2417430		1810044D09RIK	0.54413263
ILMN_2628757	NM_010119.5	EHD1	0.543809261
ILMN_3115281	NM_001042534.1	CAPG	0.543768766
ILMN_2834696	NM_009222.2	SNAP23	0.543097555
ILMN_1228762	NM_010091.2	DVL1	0.542544679
ILMN_2698430	NM_009743.4	BCL2L1	0.542250726
ILMN_2845391	NM_026366.1	N6AMT1	0.54217192
ILMN_2509644	NM_013861.3	TPK1	0.542040147
ILMN_1257817	NM_028387.1	MACROD2	0.541711946
ILMN_2775220	NM_029338.3	1700027N10RIK	0.54167012
ILMN_2690575	NM_025273.2	PCBD1	0.541665067
ILMN_1218843	NM_025296.2	CIAO1	0.541618794
ILMN_1231513	NM_020047.3	TACSTD2	0.541175259
ILMN_3059135	NM_001081118.1	PHRF1	0.540692507
ILMN_2988480	NM_021301.1	SLC15A2	0.540662464
ILMN_2963223	NM_024436.1	RAB22A	0.540333645
ILMN_2519425	XM_903408.3	LOC630284	0.540314998
ILMN_1252105	NM_027480.2	ANKRD24	0.54029424
ILMN_2920753	NM_008488.1	ARHGEF1	0.540144844
ILMN_2646504		NPAT	0.540092658
ILMN_3131887	NM_001025430.1	SPAG9	0.539760462
ILMN_3130055	NM_153088.1	CTDSP1	0.539533391
ILMN_3156529	NM_178371.3	SLC9A8	0.539490122
ILMN_2694857	NM_172876.2	GPATCH3	0.539457376
ILMN_3054840	NM_201361.1	AW061290	0.53932797
ILMN_2564539		SCLY	0.539181925
ILMN_2768482	NM_029920.5	C130038G02RIK	0.539180851
ILMN_2560197		9530014D17RIK	0.538849667
ILMN_2755511	XM_001481316.1	BC039210	0.538557703
ILMN_3159387	NM_145941.2	EIF4G1	0.538405411
ILMN_2751354	NM_178080.4	PDE4DIP	0.538021292
ILMN_2756891	NM_207206.1	LPCAT4	0.537988106
ILMN_2907370	NM_181848.3	OPTN	0.537935745
ILMN_3129497	NM_001039387.1	NELF	0.537742669
ILMN_2724570	NM_013871.2	MAPK12	0.537572367
ILMN_2721919	NM_146202.1	ZFP768	0.53754782
ILMN_2605756	NM_008450.2	KLC1	0.537493418
ILMN_2639360	NM_144852.3	SLC7A4	0.537450162
ILMN_3082031	NM_001008795.1	WHRN	0.537313319
ILMN_2674234	NM_027777.1	PEX1	0.537285817
ILMN_2697361	NM_172477.3	DENND2A	0.537265353
ILMN_2953351	NM_026295.2	CTDP1	0.537117307

ILMN_2762189	NM_026181.1	GPATCH1	0.537068884
ILMN_3040617	NM_001080935.1	B230217C12RIK	0.536925982
ILMN_2630182	NM_009305.1	SYP	0.536281647
ILMN_1225235	NM_054081.2	MTA1	0.536083433
ILMN_3163159	XM_001477173.1	LOC100041703	0.535876751
ILMN_1239662	NM_009207.2	SLC4A2	0.535835041
ILMN_1212645	NM_144512.2	SLC6A13	0.535562815
ILMN_1226785	NM_152134.1	HOMER1	0.535118691
ILMN_2781153	NM_021791.2	DOC2G	0.535040914
ILMN_1223340	NM_001098837.1	ATXN7L3	0.534908984
ILMN_2650893	NM_007893.3	E4F1	0.53476925
ILMN_1226268	NM_016863.2	FKBP1B	0.534747001
ILMN_1249466	NM_001012517.4	FUT10	0.53463724
ILMN_3096267	NM_001038593.1	GLRX2	0.534586849
ILMN_1257163	NM_001081260.1	TNKS1BP1	0.534573446
ILMN_2608746	NM_008520.2	LTBP3	0.534364412
ILMN_3145782	NM_011765.4	ZFP97	0.534350832
ILMN_1219581		B230369F24RIK	0.534186523
ILMN_2776619	NM_008520.2	LTBP3	0.534164125
ILMN_3023451	NM_001013808.1	LOC433801	0.534133201
ILMN_2848273	NM_026345.2	MANSC1	0.533934378
ILMN_2668849	NM_027230.3	PRKCBP1	0.533773272
ILMN_2752371	NM_172471.2	ITIH5	0.533738128
ILMN_2942930	NM_053180.2	CCRK	0.533712435
ILMN_2932455	NM_008771.2	P2RX1	0.533195727
ILMN_2804091	NM_133832.2	RDH10	0.533036542
ILMN_2794825	NM_153083.2	THTPA	0.532829464
ILMN_2741464	NM_172731.1	FGD5	0.532722007
ILMN_3114377	NM_001003963.1	DNMT3B	0.53272021
ILMN_2841710	NM_172685.1	SLC25A24	0.532557463
ILMN_2685055	NM_026054.2	2810474O19RIK	0.532491441
ILMN_2851671	NM_016969.1	MYADM	0.532414741
ILMN_2746664	NM_021551.3	SLC22A17	0.532073944
ILMN_1245472	NM_007423.3	AFP	0.532069691
ILMN_1259701		0710001D07RIK	0.532040053
ILMN_3003242	NM_008622.1	MPV17	0.531978561
ILMN_1233665		2610019N19RIK	0.531943093
ILMN_2647028	NM_019877.2	COPZ2	0.531840994
ILMN_3151510	NM_001038625.1	SERTAD2	0.531826419
ILMN_2637538	NM_028207.2	DUSP3	0.5314224
ILMN_2620799		A930010I20RIK	0.531203864
ILMN_1249441	NM_025876.2	CDK5RAP1	0.53078677
ILMN_2789208	NM_023764.2	TOLLIP	0.530575821
ILMN_1237849		C630015B10RIK	0.529987802
ILMN_1258349	NM_001039494.2	1700019N12RIK	0.529173481
ILMN_1227976		E430031D18RIK	0.528892606

ILMN_2658153	NM_153160.2	ZCCHC17	0.528610076
ILMN_2461582	XM_888335.2	4732460K03RIK	0.52855414
ILMN_2901056	NM_145147.2	GTPBP6	0.527895569
ILMN_2932660	NM_022418.1	TMUB1	0.527878698
ILMN_1242399	NM_023422.3	HIST1H2BC	0.527535685
ILMN_1218891	NM_023480.2	FAHD1	0.526332444
ILMN_2854593	NM_028141.2	ZFP661	0.526276908
ILMN_1246192	XM_133827.2	MAZ	0.526264979
ILMN_2417863	NM_021327.1	TNIP1	0.526254584
ILMN_2830983	NM_144872.1	EML3	0.526000081
ILMN_2604282	NM_013834.1	SFRP1	0.525721936
ILMN_1252524	NM_001081684.1	ZFP295	0.525150581
ILMN_2656021	NM_027881.2	OSBPL3	0.525067661
ILMN_1222060	XM_915627.3	ARHGEF5	0.524944726
ILMN_1218384	NM_026756.2	NFIC	0.524842836
ILMN_1249462	NM_025978.3	TTC14	0.524641645
ILMN_2581860		2410008A19RIK	0.524339647
ILMN_2734181	NM_019811.3	ACSS2	0.524118345
ILMN_2955671	NM_175121.3	SLC38A2	0.524110923
ILMN_1243330		BC059177	0.523746935
ILMN_3162081	NM_031392.2	WDR6	0.523597423
ILMN_1230788	NM_011599.3	TLE1	0.523424781
ILMN_2951955	NM_175126.3	ZCCHC3	0.523292001
ILMN_1249428	NM_010744.3	TMED1	0.523141718
ILMN_2707017	NM_144520.2	SEC14L2	0.523090337
ILMN_2944939	NM_133926.2	CAMK1	0.522942717
ILMN_1223895	NM_198425.2	EID2	0.522923411
ILMN_2842767	NM_025788.2	NACC1	0.522918076
ILMN_3117134	NM_001025605.1	GM527	0.522823896
ILMN_2947031	NM_029702.2	ARFRP1	0.522812036
ILMN_1236445		9130227N12RIK	0.522557869
ILMN_1256299	NM_173442.2	GCNT1	0.522313263
ILMN_2663211	NM_175096.3	STBD1	0.522208856
ILMN_2740652	NM_153571.1	HSCB	0.522074013
ILMN_2719924	NM_029841.2	2510039O18RIK	0.521572967
ILMN_2935579	NM_011912.1	VAX2	0.521552017
ILMN_1213836	NM_008530.2	LY6F	0.52153819
ILMN_1252019	NM_023370.1	CDH23	0.521484145
ILMN_2645071	NM_022029.2	NRGN	0.521475709
ILMN_2741006	NM_172615.3	1700021K19RIK	0.521198563
ILMN_1253414	NM_010419.2	HES5	0.521139239
ILMN_1225602	NM_011309.3	S100A1	0.520887671
ILMN_2522542	NM_001081237.1	KLHDC5	0.520539406
ILMN_2977240	NM_134135.1	SLC39A3	0.520454797
ILMN_2627013	NM_175433.4	ZFP710	0.520346439
ILMN_2805631	NM_028479.1	1600027N09RIK	0.520040913

ILMN_1216970	NM_027882.2	CIC	0.519833835
ILMN_2509273	NM_172541.2	TMEM120A	0.51980149
ILMN_2435612	NM_019574.2	PATZ1	0.519721883
ILMN_3135640	NM_001004293.1	AMIGO1	0.519445945
ILMN_2699522	NM_145508.2	DYRK3	0.519420199
ILMN_1238237	NM_053084.1	TRIM32	0.519401357
ILMN_2632187	NM_029581.3	MTIF3	0.51939141
ILMN_2701339	NM_022423.1	2410016F01RIK	0.519335125
ILMN_2942883	NM_175331.3	NT5DC3	0.519053692
ILMN_3107156	NM_013469.1	ANXA11	0.518783773
ILMN_2946672	NM_029809.1	2310014L17RIK	0.51869071
ILMN_2761169	NM_173181.1	3110050N22RIK	0.518685811
ILMN_1259100	NM_133209.1	PILRB1	0.518507104
ILMN_2666312	NM_145987.2	TMEM82	0.518351736
ILMN_2829262	NM_175641.1	LTBP4	0.518280958
ILMN_2591056	NM_199026.1	PIGL	0.518225723
ILMN_1238440		C130020P08RIK	0.51807354
ILMN_2851576	NM_019418.1	TNFSF14	0.517800236
ILMN_2677157	NM_018787.1	NPFF	0.517694607
ILMN_2426249	XM_001474445.1	LOC100045522	0.517660335
ILMN_2759762	NM_019990.4	STARD10	0.51732211
ILMN_2686407	NM_145586.1	TMEM159	0.517223374
ILMN_2630018	NM_018810.2	MKRN1	0.517097496
ILMN_2630344	NM_007949.4	ERCC2	0.516856465
ILMN_2636349	NM_176834.2	RNF208	0.516845252
ILMN_3000465	NM_211355.1	SMEK1	0.516432942
ILMN_2516710		A130028J20RIK	0.516413696
ILMN_2642313	NM_011813.2	FIZ1	0.516391168
ILMN_2703204	NM_026844.3	2310061C15RIK	0.516174115
ILMN_2722290	NM_198417.1	C030039L03RIK	0.516003937
ILMN_2996732	NM_026721.1	SLC39A13	0.515922443
ILMN_2939303	NM_024229.2	PCYT2	0.515670581
ILMN_1244249		E030050A11RIK	0.515668018
ILMN_2925008	NM_145512.2	SFT2D2	0.515650351
ILMN_2743155	NM_134087.1	AA409316	0.515643375
ILMN_2481125	NM_009553.2	ZSCAN2	0.515623411
ILMN_2805624	NM_207232.1	PTPDC1	0.515570235
ILMN_1222365		2610200O14RIK	0.515427524
ILMN_2709179	NM_026189.2	2310005P05RIK	0.515308182
ILMN_2668189	NM_001081366.1	VPS8	0.515037455
ILMN_2739295	NM_026179.2	ABHD5	0.515029503
ILMN_1216732	NM_008562.3	MCL1	0.514988685
ILMN_2641632	NM_181666.1	FUK	0.514947171
ILMN_1234250		AKL3L-PENDING	0.514895101
ILMN_2746132	NM_153118.1	FNBP1L	0.514865957
ILMN_2477221	NM_010828.2	CITED2	0.514493594

ILMN_1259226	NM_172693.3	GALNT12	0.51447333
ILMN_2977390	NM_001039244.1	EG633640	0.514408032
ILMN_1241695	NM_026835.2	MS4A6D	0.514373756
ILMN_2660803	NM_199195.1	BCKDHB	0.514167826
ILMN_2628281	NM_016717.3	SCLY	0.513709608
ILMN_2661340	NM_148933.1	SLCO4A1	0.51355072
ILMN_2837100	NM_001024841.2	GM128	0.513378896
ILMN_2867241	NM_173006.1	PON3	0.512289595
ILMN_2954881	NM_016921.2	TCIRG1	0.512207706
ILMN_1239238	NM_008856.3	PRKCH	0.512156919
ILMN_1214239	NM_001025373.1	4930432O21RIK	0.51171414
ILMN_2637165		2310001H17RIK	0.511064055
ILMN_2876448	NM_008598.2	MGMT	0.510834383
ILMN_2977404	NM_021883.1	TMOD1	0.5107828
ILMN_2792089	NM_011480.1	SREBF1	0.510537922
ILMN_1213824	XM_001473420.1	LOC100039742	0.51041537
ILMN_2780519	NM_153091.2	ST7L	0.510204768
ILMN_1247636	NM_029561.3	NDFIP2	0.510109864
ILMN_1256718	NM_001033484.1	IQGAP3	0.51010236
ILMN_1256594	NM_009900.1	CLCN2	0.510050349
ILMN_2705349	NM_153578.2	NIPA1	0.509905576
ILMN_2598877	NM_016972.2	SLC7A8	0.509467882
ILMN_2702868	NM_133913.1	2010209O12RIK	0.508963708
ILMN_1252110	NM_021899.2	FOXJ2	0.508897751
ILMN_2445324	XM_001478602.1	LOC100047651	0.508798697
ILMN_3154457	NM_144859.2	PJA2	0.508695323
ILMN_1242054	NM_007525.2	BARD1	0.508675922
ILMN_2942573	NM_018771.3	GIPC1	0.508630566
ILMN_2668178	NM_175474.3	FAM109A	0.508618243
ILMN_3060538	NM_001015681.1	E130308A19RIK	0.508582739
ILMN_2728107	NM_183172.1	RIC8B	0.508467618
ILMN_2676172	NM_030260.2	ZXDC	0.508330323
ILMN_1237951	NM_182696.2	GGN	0.508044788
ILMN_1221703	NM_013850.1	ABCA7	0.507671866
ILMN_1227024	XR_034455.1	LOC100048372	0.507591622
ILMN_1258159	NM_011400.2	SLC2A1	0.507443651
ILMN_1243591	NM_025739.2	RNF220	0.507202222
ILMN_1226653	NM_001013414.1	0610025P10RIK	0.507116719
ILMN_1246018	NM_145479.3	KLHL22	0.507056737
ILMN_2651462	NM_027877.2	MUS81	0.506863886
ILMN_1224076	NM_026050.1	2810453I06RIK	0.50681238
ILMN_2615026		8430427H17RIK	0.50661484
ILMN_2630078	NM_010733.2	LRRN3	0.506431762
ILMN_2587859	XR_034960.1	LOC668837	0.50641222
ILMN_2929952	NM_030692.1	SACM1L	0.506215066
ILMN_2650953	NM_011390.2	SLC12A7	0.50593528

ILMN_1250195	NM_008681.2	NDRG1	0.505925862
ILMN_1260045	NM_025820.3	CRNKL1	0.505849525
ILMN_1240256	NM_012030.2	SLC9A3R1	0.505584231
ILMN_2644950	NM_176842.2	TPRKB	0.505501793
ILMN_2458275		UBAP1	0.504771582
ILMN_1238346	NM_144830.3	TMEM106A	0.504728025
ILMN_2878274	NM_019877.1	COPZ2	0.504471695
ILMN_2889274	NM_172926.1	SNX14	0.504459453
ILMN_1232231	NM_029782.3	CALR3	0.50419404
ILMN_2559969		A230050A16RIK	0.504158321
ILMN_2933655	NM_025680.2	CTNNB1	0.504036752
ILMN_2957665	NM_027877.2	MUS81	0.503194713
ILMN_1218648	XM_001477857.1	LOC100042011	0.503170104
ILMN_2492403		CD151	0.503064597
ILMN_1243340	NM_007888.3	DVL2	0.502662068
ILMN_2566477		C730026O12RIK	0.502578166
ILMN_2543851	NM_027016.2	SEC62	0.502408793
ILMN_1240650		1520402A20RIK	0.501727689
ILMN_1248022		E330020G21RIK	0.501650249
ILMN_2588597	NM_001033472.2	A830080D01RIK	0.501555858
ILMN_1247404	XM_001002154.1	B230312I18RIK	0.501526701
ILMN_2773936		EDG5	0.501447346
ILMN_2608166	NM_177303.4	LRRN4	0.50053434
ILMN_1257503	NM_080556.2	TM9SF2	0.500524895
ILMN_2776304	NM_011591.4	TIMM17B	0.500405995
ILMN_2722913	NM_172407.2	CDKN2AIP	0.500399662
ILMN_2692927	NM_175283.2	SRD5A1	0.500381623
ILMN_2669774	NM_145524.2	METTL8	0.500258554
ILMN_2806250	NM_028238.5	RAB38	0.50010494
ILMN_2868457	NM_172528.2	LRRC1	0.50003858
ILMN_1217804	NM_013643.1	PTPN5	0.49993187
ILMN_1252459	NM_153532.2	ZFP280C	0.499888244
ILMN_2649392	NM_153795.1	FERMT3	0.499810986
ILMN_2929723	NM_009564.1	ZFP64	0.499723273
ILMN_2780848	NM_145070.2	HIP1R	0.499665087
ILMN_2724285	XM_358792.1	5730478M09RIK	0.499623273
ILMN_3001650	NM_013864.1	NDRG2	0.499233844
ILMN_2864497	NM_011986.2	NCDN	0.499062474
ILMN_2751948		HIST2H2AA1	0.49901174
ILMN_3105499	NM_001042487.1	DLGAP4	0.499002936
ILMN_2588771	NM_015821.1	FBXL8	0.498979957
ILMN_2598438	NM_144524.1	ANGEL1	0.498928027
ILMN_2458274	NM_023305.3	UBAP1	0.498906777
ILMN_1224883	NM_009579.3	SLC30A1	0.498768864
ILMN_2790512	NM_144525.2	1110039B18RIK	0.498568785
ILMN_1232041	NM_011803.2	KLF6	0.49832867

ILMN_2730829	NM_022418.2	TMUB1	0.498197016
ILMN_2759167	NM_001083328.1	GTPBP5	0.498187741
ILMN_2639543	NM_172558.2	GEMIN5	0.498127249
ILMN_2537704	XM_357506.1	LOC384229	0.497866877
ILMN_2908546	NM_145760.2	ARFGAP1	0.497862014
ILMN_2913913	NM_001009573.2	UNC13D	0.497607511
ILMN_1253972	NM_028679.3	IRAK3	0.497576837
ILMN_1237606		2310007G05RIK	0.49744267
ILMN_2419247	NM_173378.2	TRP53BP2	0.497267124
ILMN_1221904	NM_011307.2	UIMC1	0.497155678
ILMN_2921031	NM_025727.1	KLHL10	0.496896041
ILMN_1228115		SIX5	0.496725114
ILMN_2669361	XM_131496.4	2310009E04RIK	0.496171862
ILMN_1245768	NM_010492.3	ICA1	0.495907761
ILMN_2687169	NM_008321.1	ID3	0.495846749
ILMN_3002095	NM_016671.2	IL27RA	0.495681146
ILMN_2544661		MAPBPIP-PENDING	0.495679807
ILMN_1251193		A630084D02RIK	0.495381755
ILMN_2828731	NM_134089.1	SCRIB	0.495295
ILMN_2684455	NM_133932.2	TADA3L	0.494937824
ILMN_2594433	NM_146092.1	TAF6L	0.494834761
ILMN_1247541	XM_147738.1	2900016G23RIK	0.494532459
ILMN_2605268	NM_033526.2	UBQLN4	0.493563246
ILMN_2954195	NM_023912.2	SCYL1	0.493486565
ILMN_2990872	NM_177262.3	PKN1	0.493456228
ILMN_2669991	NM_028343.3	TMEM135	0.492311038
ILMN_3139693	NM_001003955.2	RAB11FIP5	0.492306364
ILMN_3092653	NM_001081390.1	PALLD	0.492094298
ILMN_2764466	NM_029341.1	CAPSL	0.492040173
ILMN_1255926	NM_138605.2	PPP1R3F	0.49183
ILMN_2548010	NM_175606.2	HOPX	0.491800609
ILMN_2777512		NPEPL1	0.491792904
ILMN_2786442	NM_022415.2	PTGES	0.491448297
ILMN_2593774	NM_025427.2	1190002H23RIK	0.491346112
ILMN_1216183	NM_011336.1	CCL27	0.491334584
ILMN_2981545	NM_008546.2	MFAP2	0.491137853
ILMN_2747480	NM_026130.1	SRPR	0.491109289
ILMN_2677233	NM_153600.2	TTC26	0.490782974
ILMN_1246846	NM_146259.3	ZFP668	0.490123516
ILMN_2451013	NM_001097644.1	CCNYL1	0.489987619
ILMN_2720572	XM_130129.3	1700026L06RIK	0.489892871
ILMN_2705991	NM_009906.4	TPP1	0.489882962
ILMN_1247990	NM_011221.2	PURB	0.489802674
ILMN_2632536	NM_183112.2	1700029I15RIK	0.489407865
ILMN_1258738	NM_172257.3	SIDT2	0.489069553
ILMN_1257904		2810403A07RIK	0.488747514

ILMN_2699704	NM_030152.4	NOL3	0.488652556
ILMN_2723095	NM_009023.2	RAPSN	0.488493398
ILMN_2454339		2310010J17RIK	0.488359495
ILMN_1245673	NM_144534.1	TMEM38A	0.488345738
ILMN_1233136		D130074M14RIK	0.488296385
ILMN_1260456	NM_133943.2	HSD3B7	0.488242
ILMN_3154553	NM_001037493.1	SLC41A3	0.487692269
ILMN_1245330	NM_019709.3	MBTPS1	0.487559772
ILMN_1223929	NM_019936.2	CRIP1	0.487413471
ILMN_2972829	NM_020261.2	PSG23	0.487016554
ILMN_2952587	NM_176843.2	INTS5	0.486767756
ILMN_3136867	NM_027261.1	JOSD3	0.486626732
ILMN_2450096	NM_013705.1	ZFP30	0.486539424
ILMN_2719784	XM_001472574.1	LOC100044566	0.486420544
ILMN_3075712	NM_011416.2	SMARCA2	0.486208467
ILMN_3123759	NM_144560.2	GAS2L1	0.485968149
ILMN_2900617	NM_053254.2	TLE6	0.485940085
ILMN_2738122	NM_028331.2	C1QTNF6	0.485835345
ILMN_1219210	NM_008583.1	MEN1	0.485633245
ILMN_1217225	NM_025911.2	CCDC91	0.485416925
ILMN_1218921	XM_981204.1	MYO9A	0.48539355
ILMN_2492961		6530401N04RIK	0.485304909
ILMN_2986978	NM_176996.3	SMO	0.485288475
ILMN_1240381	NM_011123.2	PLP1	0.484950922
ILMN_1259447		C430049K18RIK	0.484822387
ILMN_2471166	NM_145439.1	TMC6	0.484514406
ILMN_1249514	NM_010687.1	LARGE	0.484502785
ILMN_3028324	NR_002321.1	TUG1	0.484448154
ILMN_1230314	NM_001081072.1	SLC27A6	0.484441102
ILMN_2660505	NM_183336.1	IGSF1	0.484333852
ILMN_1232894	NM_133206.2	ZNRF1	0.484181246
ILMN_2859348	NM_001001176.1	TAF9B	0.484046537
ILMN_1212993	NM_029945.2	SMPD4	0.483848236
ILMN_1255175	NM_133952.1	UNC45A	0.483781469
ILMN_2688262	NM_007780.3	CSF2RB	0.483656335
ILMN_1249550	NM_012056.1	FKBP9	0.48361736
ILMN_1241443	NM_008328.2	IFI203	0.483468567
ILMN_1227012	NM_026610.1	NDUFB4	0.483375768
ILMN_1224240		A430070A22RIK	0.48326834
ILMN_1244291	NM_010288.2	GJA1	0.483192281
ILMN_2753108	NM_009298.3	SURF6	0.482951297
ILMN_3066673	NM_001024849.1	LOC329575	0.482835656
ILMN_1239874	NM_138303.1	YIPF2	0.482727696
ILMN_1250011	NM_009427.2	TOB1	0.482597511
ILMN_1236133	NM_146206.4	TPCN2	0.482372843
ILMN_1217180	NM_026820.2	IFITM1	0.482118593

ILMN_1221157	NM_031170.2	KRT8	0.482067787
ILMN_2422438	NM_177780.3	DOCK5	0.482028839
ILMN_2609323	XM_359281.1	LST1	0.481984378
ILMN_3144289	NM_011632.2	TRAF3	0.481712288
ILMN_1216953	NM_001077638.1	PRMT2	0.481695816
ILMN_1236470		4632413K17RIK	0.481669308
ILMN_2674966		IGSF10	0.481332706
ILMN_2616565	NM_011401.3	SLC2A3	0.481195436
ILMN_1226606	NM_133804.2	TMEM132A	0.481136915
ILMN_2771518	NM_007601.1	CAPN3	0.481074439
ILMN_2872599	NM_144849.1	ANKRD54	0.480954639
ILMN_1235688		CD151	0.480756667
ILMN_2465683	NM_199025.2	ZBTB26	0.480693687
ILMN_1231814	NM_013653.2	CCL5	0.480658845
ILMN_2716098	NM_013559.1	HSP105	0.480428955
ILMN_1243120	XM_989165.1	EG434228	0.480254644
ILMN_2630827	NM_133858.3	4930504E06RIK	0.480233992
ILMN_2892441	NM_010357.1	GSTA4	0.480151324
ILMN_1240403	XR_031635.1	LOC677216	0.48003859
ILMN_2519345	NM_013841.2	VPS45	0.480003108
ILMN_1257291		D030029J20RIK	0.479836019
ILMN_1259596		1190009E20RIK	0.479813015
ILMN_1220548	NM_153521.1	LRRC41	0.479807764
ILMN_2846368	NM_175103.2	BOLA2	0.479697263
ILMN_2487517		SSFA2	0.47964092
ILMN_1239765	NM_012021.2	PRDX5	0.479626584
ILMN_2754287	NM_146079.1	GUCA1B	0.479600825
ILMN_2600042	NM_028756.2	SLC35A5	0.479540531
ILMN_2684234	NM_021297.1	TLR4	0.479370619
ILMN_1219067	NM_146115.3	A830007P12RIK	0.479158218
ILMN_2723190	NM_008189.2	GUCA1A	0.479145553
ILMN_2668261	NM_134420.3	SLC26A6	0.479072733
ILMN_2832682	NM_025735.1	MAP1LC3A	0.478903914
ILMN_3159840	NM_001037997.1	FERT2	0.478871359
ILMN_2453954	NM_177718.3	1600021P15RIK	0.478570686
ILMN_2779913	NM_080795.3	LNX2	0.478569487
ILMN_2520748	NM_026107.2	ZKSCAN6	0.478487667
ILMN_1220115		D130063H01RIK	0.47829601
ILMN_3162839	NM_001034060.2	RUFY4	0.478122522
ILMN_3136561	NM_009242.1	SPARC	0.477984294
ILMN_2445166	NM_009504.3	VDR	0.477970108
ILMN_1231555	NM_028888.1	4931428F04RIK	0.477939313
ILMN_2616877		SLC39A1	0.477767595
ILMN_1254104		D030028O16RIK	0.477515942
ILMN_3007758	NM_172728.1	CREB5	0.477454918
ILMN_1227266	NM_175232.3	5830427D03RIK	0.477406015

ILMN_1243107	NM_139206.1	CENTD3	0.47715621
ILMN_2732695	NM_022980.4	RCAN3	0.477086185
ILMN_3101385	NM_138754.1	CDIPT	0.477049324
ILMN_3095005	NM_011717.2	WIZ	0.476959468
ILMN_3161021	NM_011871.2	PRKRA	0.47625425
ILMN_2723346	NM_001033148.2	1700029J07RIK	0.476233266
ILMN_1234516	NM_025556.2	2410022L05RIK	0.47607312
ILMN_1244096	NM_001081161.1	FAM171A1	0.476054157
ILMN_2439102		C130002N06	0.476015631
ILMN_1255779	NM_018775.3	TBC1D8	0.475421561
ILMN_1244077	NM_177215.3	OCRL	0.475279174
ILMN_2919263	NM_153150.1	SLC25A1	0.475235351
ILMN_2794023	NM_001033315.1	HIPK4	0.474989769
ILMN_2750035	NM_020252.2	NRXN1	0.47483164
ILMN_2772752	NM_133694.2	FBXL15	0.474814236
ILMN_2890496	NM_015754.2	RBBP9	0.474753443
ILMN_2756658	NM_019746.4	PDCD5	0.474492689
ILMN_1226195	NM_013863.4	BAG3	0.474425564
ILMN_3153982	NM_001037098.1	NACC2	0.474386581
ILMN_2837476	NM_008583.1	MEN1	0.47400284
ILMN_1239808	NM_027309.1	LYSMD2	0.473593979
ILMN_1230176	XR_035342.1	1810032O08RIK	0.473438813
ILMN_2687156	NM_176963.4	GALM	0.473226087
ILMN_2873319	NM_008866.2	LYPLA1	0.472949794
ILMN_2794796	NM_148952.1	E2F4	0.472888639
ILMN_2701948	NM_030174.2	MCTP1	0.472867186
ILMN_2846432	NM_011700.1	VILL	0.472735719
ILMN_2631994	NM_138753.2	HEXIM1	0.472355192
ILMN_2672708	NM_172784.2	LRP11	0.472240269
ILMN_1213656		9530025L16RIK	0.472174492
ILMN_1245984	NM_022999.1	PRRG2	0.472084947
ILMN_2930933	NM_008717.1	ZFML	0.471956213
ILMN_1237715		B230353O14RIK	0.471863187
ILMN_1239859	NM_020252.2	NRXN1	0.471586709
ILMN_1255556	XM_001477665.1	LOC100047214	0.471459687
ILMN_3126458	NM_198010.2	ANKRD17	0.471368932
ILMN_2910020	NM_001001986.1	8430427H17RIK	0.471316894
ILMN_1259340		1810073M12RIK	0.471168544
ILMN_1251521		ADAMTS6	0.471018898
ILMN_1243129		SLC11A2	0.470999001
ILMN_1229301	XM_992807.2	LOC676779	0.470951843
ILMN_2466453	XM_988852.1	1500004F05RIK	0.470421117
ILMN_2684402		1810022K09RIK	0.470376709
ILMN_2855515	NM_015801.1	PNPLA6	0.470239154
ILMN_2776008	NM_029555.2	GSTK1	0.470137342
ILMN_2619594	NM_010549.2	IL11RA1	0.469938305

ILMN_2611027	NM_013872.2	PMM1	0.469843103
ILMN_2526227	XM_355202.1	LOC381260	0.469827999
ILMN_3007020	NM_001024560.1	B930037P14RIK	0.469792471
ILMN_2656810	XM_986338.2	FANCE	0.469741183
ILMN_1252902	NM_001081347.1	RHOBTB1	0.469599789
ILMN_2645816	NM_019696.1	CPXM1	0.469101038
ILMN_2701543	NM_207232.1	PTPDC1	0.469032791
ILMN_1222794	NM_175134.3	ANKRD46	0.468837839
ILMN_2945560	NM_175429.3	KCTD12B	0.468753532
ILMN_1249905	NM_001048228.1	DBNDD2	0.468549543
ILMN_2594746	NM_025788.2	NACC1	0.4685215
ILMN_2957036	NM_145355.2	RNF185	0.468335802
ILMN_2682865	NM_198223.1	ASPSCR1	0.468128739
ILMN_2757582	NM_010736.3	LTBR	0.467879989
ILMN_1232170	NM_133930.1	CRELD1	0.467819427
ILMN_2836749	NM_001033158.1	RASL12	0.467793712
ILMN_3058975	NM_008033.2	FNTA	0.46740457
ILMN_1232182	NM_023465.3	CTNNBIP1	0.467365593
ILMN_2913869	NM_001024626.2	BC062115	0.467066837
ILMN_2845045	NM_024256.2	B3GAT3	0.466929945
ILMN_1237338	NM_013932.3	DDX25	0.466572937
ILMN_2855928	NM_015773.1	SPAG6	0.466563282
ILMN_1259440	XM_001472312.1	6720489N17RIK	0.4655958
ILMN_3038404	NM_001037878.1	TCF25	0.46557906
ILMN_1256668	NM_133999.1	FIG4	0.465446116
ILMN_2753356	NM_183316.2	SNAPC5	0.465244901
ILMN_2600043	NM_028756.3	SLC35A5	0.465211252
ILMN_2506115	NM_009469.3	ULK1	0.465180301
ILMN_2512541	NM_080560.3	UBE2N	0.465105825
ILMN_1257672	XM_110361.3	B230205M18	0.465094237
ILMN_2661082	NM_020028.3	LPAR2	0.465066295
ILMN_2596278	XM_125750.3	TCFE2A	0.464975475
ILMN_2456696		POLR2A	0.464945804
ILMN_1235324	NM_001081241.2	2310066E14RIK	0.464781432
ILMN_2748120	XM_907140.3	AKAP13	0.464452329
ILMN_2678400	NM_133766.1	C920006C10RIK	0.46416402
ILMN_2868013	NM_023792.1	PANK1	0.464144904
ILMN_2683486	XM_001476259.1	AI115600	0.463963659
ILMN_1225840	XM_001479710.1	LOC100043189	0.463887719
ILMN_3001013	NM_001009575.2	ARMCX5	0.46352381
ILMN_3023656	NM_001015876.1	TYW1	0.463481051
ILMN_2421751	NM_153103.2	KIF1C	0.46339954
ILMN_2751572	NM_198014.2	SLAIN1	0.463353875
ILMN_3161906	NM_001034882.2	EG432879	0.46319579
ILMN_2417991	NM_011665.3	UBE2I	0.463117657
ILMN_1220845	AK002569.1	SCL0001651.1_229	0.462984798

ILMN_1256378	NM_145616.3	LRRRC49	0.462800712
ILMN_3120565	NM_181666.1	FUK	0.462522365
ILMN_2436369		2010004M13RIK	0.462472876
ILMN_2929518	NM_146248.1	CCHCR1	0.462333112
ILMN_1229553	NM_207205.1	IGSF3	0.462199802
ILMN_1230007	NM_172498.2	PTK2B	0.462145499
ILMN_2868987	NM_011421.1	SMPD1	0.462022407
ILMN_1214964	NM_026764.2	GSTM4	0.461992482
ILMN_2614494	NM_010176.2	FAH	0.461803121
ILMN_2758087	NM_009833.1	CCNT1	0.461759699
ILMN_3139668	NM_053193.1	CPSF1	0.461580556
ILMN_3077034	NM_032006.2	MMP1A	0.461265951
ILMN_2615901	NM_007982.1	PTK2	0.461196675
ILMN_2602011	NM_011112.2	PAPOLA	0.461144634
ILMN_1252830	NM_008624.3	MRAS	0.460850992
ILMN_2876579	NM_024432.2	UBXN6	0.460841332
ILMN_1236376	NM_023906.3	ASB3	0.460792777
ILMN_2626235	NM_010706.1	LGALS4	0.460642604
ILMN_1224485	XM_128555.4	EME2	0.460572707
ILMN_1220640	NM_133847.3	TM9SF4	0.460299703
ILMN_2940961	NM_007923.1	ELK4	0.460184847
ILMN_2599739	NM_176921.2	6030419C18RIK	0.460140048
ILMN_2736360	NM_001033134.2	2610002J02RIK	0.460087352
ILMN_3151631	NM_027554.2	USP38	0.459861753
ILMN_2546423		1700022J01RIK	0.459828909
ILMN_2967654	NM_009023.1	RAPSN	0.459815341
ILMN_2841024	NM_001034885.1	PNPLA1	0.459783637
ILMN_1226152	NM_028070.1	ALKBH4	0.459672779
ILMN_2594593	NM_019579.1	MPP5	0.459662229
ILMN_1231587	NM_153544.3	BC030867	0.459597014
ILMN_2650774	NM_133767.2	MTIF2	0.459584468
ILMN_1251617		UTRN	0.459488597
ILMN_2860850	NM_008793.1	PCSK4	0.459221295
ILMN_1219915	NM_026384.3	DGAT2	0.459125649
ILMN_2475156	NR_001463.2	XIST	0.459045468
ILMN_2660466	XM_899874.3	EG433229	0.459026599
ILMN_2424895	NM_173185.2	CSNK1G1	0.458934588
ILMN_2850792	NM_172767.2	VWA5A	0.458548709
ILMN_2723718	NM_026555.1	RCN3	0.458390471
ILMN_2722583	NM_172478.2	TBC1D25	0.458347644
ILMN_1222523	NM_025685.3	COL27A1	0.458326123
ILMN_2637624	NM_026437.2	1810055E12RIK	0.458180448
ILMN_2615628	NM_026213.3	TTC33	0.457462683
ILMN_1229640	XR_034455.1	LOC100048372	0.457328649
ILMN_1228399	NM_001081215.1	DDX60	0.457197084
ILMN_2488806		5430417C01RIK	0.45719651

ILMN_3000298	NM_183321.1	BC053749	0.456994006
ILMN_1232901	NM_001080742.1	VAMP5	0.456916078
ILMN_2623216	NM_016783.3	PGRMC1	0.456783627
ILMN_1218266	NM_010789.2	MEIS1	0.456505094
ILMN_2715226	NM_023628.2	ANXA9	0.456371868
ILMN_1241458	NM_001040112.1	ARAP1	0.456037938
ILMN_2795410	NM_025326.2	TMEM176A	0.455917577
ILMN_2729374	NM_144893.1	SLC35C2	0.455883275
ILMN_1258770	XM_890234.2	LRRC51	0.455708941
ILMN_2705324	NM_010433.1	HIPK2	0.455685333
ILMN_1223179	NM_010398.3	H2-T23	0.455668059
ILMN_2774618		2610020008RIK	0.455450676
ILMN_2669766	NM_025613.3	EID1	0.455373456
ILMN_1248522	NM_026893.2	WDR40A	0.455312404
ILMN_1238852	NM_025579.2	TAF12	0.455232088
ILMN_2827036	NM_013630.2	PKD1	0.454941997
ILMN_2747507	NM_011256.1	PITPNM2	0.454927081
ILMN_2825391	NM_175308.2	MOBK12C	0.454923563
ILMN_1244356	NM_028722.1	4121402D02RIK	0.454873187
ILMN_2734624	NM_028307.1	TDRKH	0.454776046
ILMN_1257477	NM_144925.3	TNRC6A	0.454724173
ILMN_2801683	NM_019771.1	DSTN	0.454690037
ILMN_2503893		PREB	0.454656798
ILMN_1229741	NM_024457.2	RAP1B	0.454207572
ILMN_3109076	NM_001042649.1	DCUN1D2	0.454183094
ILMN_2528305	XM_001475091.1	D3ERTD254E	0.454150946
ILMN_2456536	XM_988959.2	1700080G18RIK	0.454048641
ILMN_2920736	NM_133234.1	BBC3	0.453938361
ILMN_2634157	NM_028059.2	ZFP654	0.453760843
ILMN_1246861	NM_021281.1	CTSS	0.453463234
ILMN_2690551	NM_008690.3	NFKBIE	0.453238876
ILMN_2440066	NM_011906.1	TPRA40	0.453056186
ILMN_2733465	NM_025590.3	ACOT11	0.453028693
ILMN_2859847	NM_133198.1	PYGL	0.452887413
ILMN_2875938	NM_025835.1	PCCB	0.452833966
ILMN_1249986	NM_027189.2	GEMIN7	0.452597254
ILMN_2740006	NM_001005248.1	HPS5	0.452524547
ILMN_2799351	NM_025590.3	ACOT11	0.452262241
ILMN_2754447	NM_011746.2	MKRN3	0.452259751
ILMN_1215661	NM_009422.2	TRAF2	0.452125945
ILMN_1236828	NM_028846.3	USP20	0.452071145
ILMN_1213148	NM_019488.4	SLC2A8	0.451827085
ILMN_2511806	NM_177562.4	CLEC16A	0.451761907
ILMN_2812215	NM_001004156.2	PLEKHG5	0.451639384
ILMN_2964996	NM_177351.2	C630028N24RIK	0.451540903
ILMN_2887065	NM_080638.1	MVP	0.451457779

ILMN_2993779	NM_144877.1	5630401D24RIK	0.451376782
ILMN_3156058	NM_198223.1	ASPSCR1	0.451376606
ILMN_1251849		4930506F14RIK	0.451270996
ILMN_2773699	NM_029884.1	HGSNAT	0.451198301
ILMN_2780323	NM_009388.2	TKT	0.451037834
ILMN_3131063	NM_007632.2	CCND3	0.450881204
ILMN_2752345	NM_028990.3	TMEM168	0.450821959
ILMN_1232026	NM_001081428.1	FAM184A	0.450516642
ILMN_2964344	NM_172624.1	DPP9	0.450384104
ILMN_2531737	XM_140740.3	LOC240672	0.450301272
ILMN_2680086	NM_029777.2	RHBDD1	0.450078495
ILMN_1241380	NM_026382.2	6530403A03RIK	0.450005739
ILMN_1237033	XR_003896.1	LOC384710	0.44993193
ILMN_1249910	NM_023792.1	PANK1	0.449805223
ILMN_2587761	NM_008441.1	KIF1B	0.449765205
ILMN_1243370	NM_028057.2	CYB5R1	0.449690656
ILMN_2491741	NM_001081302.1	TRIO	0.449450809
ILMN_2896341	NM_145624.2	ZFP709	0.449396665
ILMN_2830098	NM_001045523.1	BAHD1	0.449372627
ILMN_2436890		DHRXS	0.449343918
ILMN_1248510	NM_009230.3	SOAT1	0.449259851
ILMN_1224093	NM_145438.2	LLGL2	0.448621161
ILMN_2645448	NM_030066.2	ARMCX1	0.448456097
ILMN_1229019	NM_173401.2	FBXO44	0.448455552
ILMN_2953596	NM_007892.2	E2F5	0.448237642
ILMN_1236320	NM_008622.3	MPV17	0.448114529
ILMN_1236725	NM_008107.3	GDF1	0.447977983
ILMN_1231514	NM_183091.2	NFKBIL2	0.447845373
ILMN_2761247	NM_023525.1	CAD	0.447786805
ILMN_1244364	NM_012040.2	PNCK	0.447726918
ILMN_1243433	XR_034057.1	LOC100048037	0.44769859
ILMN_2900944	NM_145138.1	NEK9	0.44769721
ILMN_2594443	XM_129997.5	TAF3	0.447667656
ILMN_2681446	NM_009191.3	CLPB	0.447643222
ILMN_1252757	NM_027326.3	MLLT3	0.447636031
ILMN_2675333	NM_198108.2	MORN4	0.447516593
ILMN_3057482	NM_001024606.1	4833426J09RIK	0.447429294
ILMN_1254886	NM_010165.2	EYA2	0.447406693
ILMN_2513205		ACP2	0.447382297
ILMN_2939517	NM_001007590.2	LOC433886	0.447365301
ILMN_1249775	NM_001080926.1	LRP8	0.447360109
ILMN_1245447	NM_007435.1	ABCD1	0.447285676
ILMN_3143246	NM_001077264.1	AP2A1	0.447124176
ILMN_2620574	NM_029846.3	ATG16L1	0.44710696
ILMN_1259028		D230048N11RIK	0.447063304
ILMN_2778799	NM_026455.2	2510049I19RIK	0.446517076

ILMN_2578237		MBC2	0.446217989
ILMN_1241229	NM_001081290.1	BAT2D	0.445886237
ILMN_2688378	NM_138747.1	NOL1	0.445802028
ILMN_2692799	NM_177806.2	PRPF39	0.445589686
ILMN_2610435	NM_020584.1	TERF2IP	0.445588172
ILMN_2600565	NM_030700.1	MAGED2	0.445585943
ILMN_1240289	NM_001033311.3	BC023744	0.445470259
ILMN_2879858	NM_016979.1	PRKX	0.445461256
ILMN_2426491	XM_910737.2	YTHDC2	0.445398282
ILMN_2705777	NM_010360.2	GSTM5	0.445199423
ILMN_2699833	NM_029274.2	WBP7	0.444747889
ILMN_2427560	NM_009424.2	TRAF6	0.444735378
ILMN_2605004	NM_023172.3	NDUFB9	0.444730394
ILMN_1244864	NM_026450.2	ZFP169	0.444541474
ILMN_1258341	NM_001001566.1	CHPF	0.444480129
ILMN_2811737	NM_007609.1	CASP4	0.444371804
ILMN_1250776		ARHGAP6	0.444164895
ILMN_2758215	XM_994286.2	PARP4	0.444160303
ILMN_2497957	AK083573.1	SCL0002507.1_236	0.44414084
ILMN_2811018	NM_145828.2	XYLT2	0.443962715
ILMN_1247385		D130017N08RIK	0.443931437
ILMN_1240104	NM_181391.2	CHCHD7	0.443338832
ILMN_1259158	NM_001001333.1	HEXDC	0.443322631
ILMN_1253966	NM_008825.3	PFKFB2	0.443295188
ILMN_2432092	NM_013852.2	ABCF3	0.443264085
ILMN_1216919	NM_172596.1	SEC24C	0.44325549
ILMN_2914418	NM_021607.2	NCSTN	0.443203727
ILMN_2723939	NM_153073.2	GAB3	0.443173627
ILMN_2416559		D330038K10RIK	0.443161583
ILMN_2780619	NM_026647.2	ZDHHC21	0.442838716
ILMN_1244515	NM_030018.3	TMEM50B	0.442625005
ILMN_2689307	NM_009260.2	SPNB2	0.442385132
ILMN_1215524	NM_172614.3	TMEM44	0.442032544
ILMN_1233713	NM_001037812.2	ALS2CR4	0.441899354
ILMN_2623844	NM_175464.2	PKP4	0.44182866
ILMN_2674367	NM_021604.2	AGRN	0.441661685
ILMN_2746812	XM_126343.5	2410012H22RIK	0.441637916
ILMN_2751925	NM_133803.1	DPP3	0.441557265
ILMN_1222269	XM_922412.2	1810011H11RIK	0.44107397
ILMN_1251962	NM_001081335.1	PARC	0.440817711
ILMN_3133817	NM_029277.2	ARHGAP12	0.440816042
ILMN_2685023	NM_027521.2	HMHA1	0.440564522
ILMN_1252152		CYT28	0.440504915
ILMN_2723523	NM_013769.1	TJP3	0.440396595
ILMN_1254957		MBTPS1	0.440234919
ILMN_3036708	NM_030719.3	GATS	0.439948085

ILMN_3021272	NM_001038587.1	ADAR	0.439917902
ILMN_2838871	NM_172257.1	SIDT2	0.439911152
ILMN_2682778	NM_025886.3	RASSF7	0.439601071
ILMN_1260507	NM_011462.1	SPIN	0.439568216
ILMN_2648098	NM_080448.4	SRGAP3	0.439552839
ILMN_1213848	NM_008403.4	ITGB1BP1	0.439475898
ILMN_2809701	NM_080595.2	EMID1	0.439385725
ILMN_3082287	NM_028081.2	4933421E11RIK	0.43921028
ILMN_2784950	NM_011116.1	PLD3	0.439174654
ILMN_2865882	NM_001001187.1	3830402I07RIK	0.439154454
ILMN_1214358	NM_026270.3	AKT1S1	0.439094133
ILMN_2940358	NM_172991.2	C030048B08RIK	0.438973985
ILMN_2673274	XM_924956.2	SAFB	0.438452097
ILMN_2526851	XM_129965.3	LOC227393	0.438144745
ILMN_1226713	NM_027745.1	CCDC57	0.437942455
ILMN_2705004	NM_175429.3	KCTD12B	0.437577284
ILMN_2769893		2210013K02RIK	0.437533569
ILMN_1239002	NM_013625.2	PAFAH1B1	0.437474775
ILMN_1257847	NM_175413.2	LRRC39	0.437121834
ILMN_1225225		1500032P08RIK	0.43710744
ILMN_1232820		TRRP5	0.436755472
ILMN_2679937	XM_001475483.1	LOC100046056	0.436687917
ILMN_3089834	NM_010166.2	EYA3	0.436577009
ILMN_1213030	NM_009006.2	MAP4K2	0.436498165
ILMN_2671286	NM_030018.2	TMEM50B	0.436456637
ILMN_2627328		DNASE2A	0.436436723
ILMN_2636004		9530064J02	0.436373052
ILMN_2908406	NM_011172.2	PRODH	0.436282786
ILMN_3117650	NM_153595.2	NT5DC3	0.436200185
ILMN_1258849	XM_355209.1	LOC381266	0.435977148
ILMN_2685565	NM_138302.1	TYMP	0.435875416
ILMN_1234445		E430003J01RIK	0.435593419
ILMN_2772538		TLK2	0.435589971
ILMN_1228501	NM_020507.3	TOB2	0.435496464
ILMN_1229957	NM_010549.2	IL11RA1	0.435479005
ILMN_1234337	NM_027203.3	LENG1	0.435393808
ILMN_1225214	NM_009878.3	CDKN2D	0.435280343
ILMN_2467800	NM_001033293.2	UAP1L1	0.435160232
ILMN_2689784	NM_178076.2	MCF2L	0.435024028
ILMN_3147331	NM_001033929.1	THNSL2	0.43500769
ILMN_2552589		ABCC1A	0.434862543
ILMN_2649671		IPAS	0.434379408
ILMN_2937136	NM_146236.1	TCEAL1	0.434369924
ILMN_2606966	NM_026735.2	MOBK1A	0.434294529
ILMN_2431237	NM_013842.2	XBP1	0.434278778
ILMN_2657203	XM_148491.1	QTRTD1	0.434256222

ILMN_2711651	NM_026881.1	4930403O06RIK	0.434211365
ILMN_2671601	NM_019979.1	SELK	0.434181979
ILMN_2734646	NM_009287.4	STIM1	0.433916692
ILMN_2885348	NM_144913.3	MEPCE	0.43365465
ILMN_2754266	NM_011629.2	NR2C1	0.433575272
ILMN_1238614	NM_016763.2	HSD17B10	0.433478584
ILMN_2912598	NM_029505.1	AP3M2	0.433356768
ILMN_2616522	NM_172122.1	CROCC	0.433046036
ILMN_2767871	NM_018863.2	PDYN	0.43288307
ILMN_2666999	XM_001478241.1	LOC100047480	0.432873046
ILMN_2613851	NM_028059.2	ZFP654	0.432833827
ILMN_1242994		AABP3-PENDING	0.432812001
ILMN_2439638	NM_011632.2	TRAF3	0.432692139
ILMN_2436561	NM_133683.3	TMEM19	0.432688066
ILMN_1232183	NM_008598.1	MGMT	0.432491604
ILMN_2461098	XM_912589.3	PLXNB2	0.432417207
ILMN_2727799	NM_172275.1	TRAFD1	0.432063047
ILMN_2637757	NM_008250.1	HLX	0.432021471
ILMN_1241595	XM_358149.1	LOC385252	0.431917952
ILMN_2615232	NM_001034085.1	PPP2R1B	0.431913353
ILMN_2660766	NM_181858.1	CD59B	0.431775224
ILMN_2943176	NM_178741.2	KLHL8	0.431740552
ILMN_1220320	XM_895981.2	1110065P20RIK	0.43148888
ILMN_2933394	NM_175934.2	PPP1R10	0.431445436
ILMN_1246900	NM_001024624.1	CDKL5	0.431270417
ILMN_2784382	NM_001039653.1	LHX3	0.430945792
ILMN_2619767	NM_145978.1	PDLIM2	0.43092847
ILMN_2912111	NM_001013379.2	D10627	0.430677871
ILMN_1237463	NM_029746.2	COG2	0.430596221
ILMN_2543655		1810020C02RIK	0.430515509
ILMN_2624451	XM_924798.2	4933407C03RIK	0.430512254
ILMN_2836710	NM_009842.1	CD151	0.430493138
ILMN_2773485	NM_178413.4	THNSL2	0.430047004
ILMN_2895000	NM_144893.1	SLC35C2	0.430015478
ILMN_1251129	NM_019834.3	GIT2	0.429909523
ILMN_2691623	NM_011479.3	SPTLC2	0.42987247
ILMN_2438727	NM_001081343.1	3110043O21RIK	0.429813743
ILMN_3114124	NM_133943.2	HSD3B7	0.429768765
ILMN_2503166	XM_001005388.1	C330011F01RIK	0.429688502
ILMN_2437574	AK051288.1	SCL000548.1_6	0.429619774
ILMN_1235179	NM_146133.2	GOLPH3L	0.429563692
ILMN_1240264	NM_198091.2	USP2	0.429552879
ILMN_2789425	NM_011130.1	POLB	0.429433506
ILMN_2592909		BC024814	0.42930849
ILMN_1239637		C430045L21RIK	0.429240615
ILMN_2792267	NM_054096.1	TIRAP	0.429075489

ILMN_2440183	XM_901483.3	2310028O11RIK	0.429052145
ILMN_1220550		6430402H23RIK	0.428842174
ILMN_2791410	NM_133788.1	ICMT	0.428793206
ILMN_3111877	NM_001039080.1	RBMS2	0.428743068
ILMN_1226703	NM_001082476.1	NDOR1	0.428602784
ILMN_2621752	NM_012057.3	IRF5	0.428579592
ILMN_1227624	NM_053255.3	ELAC1	0.428512543
ILMN_2752883	NM_010480.5	HSP90AA1	0.428420871
ILMN_1233905	NM_178050.3	ATL2	0.4283995
ILMN_1224291	NM_013594.1	MBD1	0.428067961
ILMN_1236703	NM_001033316.2	FFAR3	0.42803714
ILMN_2794608	NM_009737.1	BCAT2	0.42801092
ILMN_2453120		C130065N10RIK	0.428002493
ILMN_2826216	NM_080436.1	RDH1	0.427858718
ILMN_1226133	NM_033324.2	DGCR8	0.427817225
ILMN_2693295	NM_011160.2	PRKG1	0.427777838
ILMN_2979307	NM_011848.1	NEK3	0.427626037
ILMN_1236258	NM_172617.2	ZFP523	0.427245103
ILMN_2780499	NM_028866.2	WDR33	0.427152413
ILMN_2694038	NM_024229.2	PCYT2	0.42708703
ILMN_1213498	NM_080448.4	SRGAP3	0.426951784
ILMN_2683613	NM_008702.2	NLK	0.42693661
ILMN_2666272	NM_133984.1	HEMK1	0.426894792
ILMN_1230882	NM_001001319.3	PRAMEL4	0.426666074
ILMN_2737604	NM_008141.2	GNAT2	0.426231516
ILMN_2417234	NM_011010.2	OMP	0.426225803
ILMN_1216198	NM_028198.1	XPO5	0.42599263
ILMN_1250612	NM_198664.3	TBC1D2	0.425874724
ILMN_3156208	NM_001038703.1	GPR146	0.4256428
ILMN_2950594	NM_008667.2	NAB1	0.425581228
ILMN_2970381	NM_019667.2	STAM2	0.425478812
ILMN_1231490	XM_001479267.1	2410006H16RIK	0.425344372
ILMN_2701129	XM_357260.1	4931426K16RIK	0.4249165
ILMN_3161790	NM_001033207.2	AI451557	0.424901142
ILMN_1259559	NM_008197.3	H1FO	0.424882549
ILMN_2894943	NM_145929.1	GGA1	0.424726654
ILMN_2691460	NM_026614.2	NDUFA5	0.424714283
ILMN_2781805	NM_053208.2	EGLN2	0.424710755
ILMN_2522023	NM_019742.4	TUSC2	0.424649543
ILMN_3161554	NM_027889.1	VPS11	0.424494675
ILMN_1237342		4833438C02RIK	0.424404266
ILMN_2750767	NM_018814.3	PCNX	0.424386219
ILMN_2469383	NM_177692.3	BLOC1S3	0.424236079
ILMN_1217068	NM_026954.1	TUSC1	0.423905788
ILMN_2691157	NM_007835.2	DCTN1	0.423784397
ILMN_2709470	NM_007853.4	DEGS1	0.423713532

ILMN_2918663	NM_025346.1	RMND5B	0.423516889
ILMN_2923599	NM_028816.2	XPO6	0.423506148
ILMN_1253753		ELAC2	0.423460783
ILMN_1218295	NM_145138.1	NEK9	0.423458287
ILMN_2490548	NM_053082.2	TSPAN4	0.423336776
ILMN_2748300	NM_025563.3	2010012O05RIK	0.423211331
ILMN_2811240	NM_176842.2	TPRKB	0.423131001
ILMN_2870487	NM_153507.2	CPNE2	0.422843841
ILMN_1233001	NM_001081367.1	KCTD17	0.422767546
ILMN_2841593	NM_028263.1	FGFBP3	0.422735604
ILMN_2915060	NM_138306.1	DGKZ	0.4225428
ILMN_2647972	NM_178693.4	COQ4	0.422490004
ILMN_2757459	XR_035207.1	4930451G09RIK	0.422476886
ILMN_2535490	XM_356603.4	LOC382645	0.422388524
ILMN_2611450	NM_026298.4	IFT172	0.422366449
ILMN_2721761	NM_008667.2	NAB1	0.422357553
ILMN_1232741		FDPS	0.422319612
ILMN_2764551	NM_183405.1	COX6B2	0.422277803
ILMN_2781835	NM_172518.2	FBXO42	0.422276865
ILMN_2697766	NM_145412.3	5830457O10RIK	0.422260148
ILMN_2499400	NM_016794.2	VAMP8	0.422041039
ILMN_1253900		1810026B05RIK	0.42199203
ILMN_1256967		AI875142	0.421829925
ILMN_2590884	NM_011113.3	PLAUR	0.421772348
ILMN_2718910	XM_131731.3	SLC30A2	0.421651918
ILMN_2625716	XM_134108.3	HOOK3	0.421646188
ILMN_2614884	NM_008853.1	PJA1	0.421633108
ILMN_1235968		A330043C08RIK	0.421603744
ILMN_2625167	NM_013507.3	EIF4G2	0.421444244
ILMN_1212920	NM_009383.2	TIAL1	0.42116816
ILMN_2988191	NM_029466.2	ARL5B	0.421159394
ILMN_1250814	NM_029247.3	4930550C14RIK	0.420858375
ILMN_3135801	NM_001037812.1	ALS2CR4	0.420723137
ILMN_1216382	NM_007386.2	ACO1	0.420655735
ILMN_2916437	NM_153793.1	RELL2	0.42026961
ILMN_2677332	NM_178922.3	HIC2	0.42026366
ILMN_1248006	XR_032943.1	LOC100046500	0.420108424
ILMN_1223090	NM_201407.2	DENND4B	0.420090307
ILMN_2762956	NM_025668.3	SPCS2	0.41991557
ILMN_2675760	NM_027172.2	2310046K01RIK	0.419791637
ILMN_1218892	NM_001081409.1	PHF20L1	0.419766536
ILMN_1227502	NM_133836.1	IL15RA	0.41974244
ILMN_1213574	NM_173443.2	VCPIP1	0.419722609
ILMN_2903889	NM_207245.1	BC066107	0.419436742
ILMN_1222401	NM_023524.1	TFPT	0.419365543
ILMN_1255611		2610024M03RIK	0.419290855

ILMN_2904658	NM_011171.1	PROCR	0.41920222
ILMN_2536184	XM_357292.1	LOC383850	0.419059794
ILMN_2627441	NM_023324.2	PELI1	0.418976002
ILMN_2819859	NM_194334.2	TBC1D2B	0.418739995
ILMN_2886896	NM_028725.1	4632417N05RIK	0.418578469
ILMN_2614728	NM_025826.3	ACADSB	0.418539589
ILMN_1226970	NM_025830.3	WWP2	0.418418585
ILMN_2908065	NM_013882.1	GTSE1	0.418380724
ILMN_2865335	NM_028770.2	KRT80	0.4183729
ILMN_2494747	NM_021523.4	HUWE1	0.418347265
ILMN_1218180	NM_182927.2	SPRED3	0.418316318
ILMN_1213681	NM_024179.4	0610009O20RIK	0.418214691
ILMN_2833378	NM_008854.3	PRKACA	0.418084632
ILMN_2751587	NM_010811.2	NDST2	0.417963686
ILMN_1216985	NM_021448.2	ELP2	0.417958518
ILMN_2605767	NM_001079904.1	REPIN1	0.417821036
ILMN_3160616	NM_001004185.2	WHDC1	0.417791288
ILMN_2875812	NM_012003.1	COPS7A	0.417759738
ILMN_2920200	NM_175256.4	HEG1	0.417541481
ILMN_2676876	NM_145630.2	PDK3	0.417475111
ILMN_2593662	NM_026000.2	PSMD9	0.417353365
ILMN_2682321	NM_133972.2	ARMC6	0.417198385
ILMN_2771201		GALNS	0.417189517
ILMN_2660328	NM_178397.2	UBXD8	0.416947822
ILMN_1218042	XM_357088.1	LOC383483	0.416775869
ILMN_2671438	XM_137239.3	PPP1R12A	0.416588961
ILMN_3159720	NM_028724.2	RIN2	0.4165808
ILMN_1237625	NM_172293.3	FAM113B	0.416341272
ILMN_2649478		2310036D04RIK	0.416225012
ILMN_3162793	NM_177244.3	FASTKD1	0.416109485
ILMN_2724585	NM_010017.3	DAG1	0.415887763
ILMN_2813712	NM_026203.1	AHI1	0.415657888
ILMN_2495644	NM_019780.1	VPS29	0.41565459
ILMN_2660862	NM_029100.2	SEPN1	0.415307999
ILMN_2855315	NM_015786.1	HIST1H1C	0.415293651
ILMN_2710604	NM_013810.2	DBNL	0.41511729
ILMN_1248347	NM_028728.2	NFAM1	0.415112903
ILMN_2755424	NM_178782.4	BCORL1	0.415070475
ILMN_1247915	NM_197987.1	TRIM37	0.414938426
ILMN_2775360		MAPKAPK3	0.414865691
ILMN_1232208	NM_019877.2	COPZ2	0.414553023
ILMN_2442140		SNRPG	0.414504164
ILMN_3003076	NM_021531.2	CARM1	0.414436757
ILMN_2754561	NM_183025.1	A430033K04RIK	0.414269253
ILMN_1218078	NM_001005506.2	TXLNA	0.41406059
ILMN_1252464	NM_008793.1	PCSK4	0.414032513

ILMN_2662322	NM_015766.2	EBI3	0.413966377
ILMN_2750515	NM_010234.2	FOS	0.413906992
ILMN_2775016		FZD6	0.413889776
ILMN_2772515	NM_016677.3	HPCAL1	0.413722784
ILMN_1237758	XM_356249.1	LOC382153	0.413592497
ILMN_2727142	XM_001476094.1	LOC100046264	0.413423371
ILMN_2484723		2410017P09RIK	0.413303406
ILMN_2479977	XM_912979.2	2310040A07RIK	0.413201194
ILMN_2792924	NM_029555.2	GSTK1	0.412952596
ILMN_1242246	NM_020270.2	SCAMP5	0.412867165
ILMN_2630974	NM_007691.4	CHEK1	0.412814153
ILMN_1222981		1700012K20RIK	0.412634531
ILMN_2946689	NM_028639.1	TTC7	0.412549254
ILMN_3156782	NM_172500.2	4831426I19RIK	0.41239859
ILMN_1227514	NM_023292.3	PUS3	0.41238831
ILMN_2470764		4933424A20RIK	0.412290496
ILMN_2756176	NM_172783.2	PHKA2	0.412216623
ILMN_2960308	NM_008303.2	HSPE1	0.412167347
ILMN_2981665	NM_028117.2	CHST14	0.412130879
ILMN_2657888	XM_127336.2	SECISBP2	0.41202685
ILMN_2918032	NM_025950.1	CDC37L1	0.411986998
ILMN_2725155	NM_173753.3	FNIP1	0.411974537
ILMN_1220769	NM_001013374.1	LMAN2L	0.411950014
ILMN_1244030	NM_029090.3	NAT15	0.411931396
ILMN_1222970	NM_007976.2	F5	0.411852104
ILMN_2878791	NM_153099.1	TESSP2	0.411817311
ILMN_2630039		E130014J05RIK	0.411761705
ILMN_2774537		HIST1H1C	0.411746676
ILMN_2800446	NM_008298.2	DNAJA1	0.411388017
ILMN_2988849	NM_172670.1	GYLTL1B	0.411160261
ILMN_2449817		2410022M11RIK	0.411138377
ILMN_2556850		STX8	0.411084084
ILMN_2594344	NM_010890.3	NEDD4	0.410753981
ILMN_2804702	NM_177475.2	SUHW2	0.410720605
ILMN_1246340		9330185J12RIK	0.410719603
ILMN_2596412	NM_017477.1	COPG	0.410714633
ILMN_2683363	NM_001003949.3	ORF61	0.410713582
ILMN_2677016	NM_026987.1	DHX16	0.410698269
ILMN_1252356	XM_125901.8	CAND1	0.410656733
ILMN_1232278	NM_023418.2	PGAM1	0.410349391
ILMN_2641438	NM_008244.2	HGS	0.410296289
ILMN_2584566		5430400L16RIK	0.410197313
ILMN_2684563	NM_171826.2	CLDND1	0.410131531
ILMN_1221292	NM_134006.4	RDH5	0.410126173
ILMN_2611284	NM_010047.3	DGCR6	0.409826968
ILMN_1259621	NM_024185.4	2310047O13RIK	0.409796625

ILMN_1248289	NM_008669.3	NAGA	0.409769718
ILMN_2940541	NM_001004144.1	GIT1	0.409073813
ILMN_2691261	XM_128594.4	NDUFB10	0.408751601
ILMN_1251874	NM_011181.2	PSCD2	0.40872394
ILMN_1249908		9030619K07RIK	0.408487814
ILMN_2920027	NM_007886.1	DTNB	0.408158652
ILMN_2963634	NM_138680.1	LUC7L2	0.408082314
ILMN_2775381		TDE2	0.408047903
ILMN_2882235	NM_029522.1	GPSM2	0.407924797
ILMN_2420095	NM_024189.5	YAF2	0.407867956
ILMN_2989469	NM_010909.1	NFKBIL1	0.40722788
ILMN_2602821	NM_025876.2	CDK5RAP1	0.407213514
ILMN_1246034	NM_153160.3	ZCCHC17	0.407119237
ILMN_2445100		SSH1	0.406947601
ILMN_2966826	NM_178869.2	TTLL1	0.406946791
ILMN_1239583		WINS2	0.406673711
ILMN_2512297	NM_175130.3	TRPM4	0.406665941
ILMN_2705139	NM_023884.3	RALGPS2	0.406647179
ILMN_2987854	NM_134029.2	NT5M	0.406631232
ILMN_2780392	NM_016972.2	SLC7A8	0.406418294
ILMN_2606198	NM_175275.3	CNTLN	0.406127962
ILMN_1229985	XM_922979.2	EXOC6B	0.406076432
ILMN_2517566		1110028F11RIK	0.405988734
ILMN_1219106	NM_019662.1	RRAD	0.405987126
ILMN_2617425	NM_019649.2	CLPTM1	0.405653919
ILMN_2770723	NM_133762.3	NCAPG2	0.405588552
ILMN_2907655	NM_007527.2	BAX	0.40555785
ILMN_2857947	NM_178872.3	TRIM36	0.405519067
ILMN_2537123	NM_028194.2	FRYL	0.405432122
ILMN_2687121	NM_172573.1	D230014K01RIK	0.405422325
ILMN_2771754		FH1	0.405367714
ILMN_1216042	NM_009696.2	APOE	0.405222835
ILMN_2894751	NM_021448.1	STATIP1	0.40484283
ILMN_2446990		1810037K07RIK	0.404746598
ILMN_1229266	NM_001081166.1	PHF21B	0.404642742
ILMN_3124885	NM_001080773.1	PDPK1	0.404590737
ILMN_1240630	NM_012048.2	POLK	0.404417303
ILMN_1226069	NM_026036.3	CMTM6	0.404323675
ILMN_2737758	NM_011218.1	PTPRS	0.404294078
ILMN_3160863	NM_026725.2	DUSP23	0.404293664
ILMN_1246312	NM_026555.1	RCN3	0.404288617
ILMN_2703657	NM_007861.3	DLD	0.404171272
ILMN_2733835	NM_175190.3	2900010J23RIK	0.404056395
ILMN_2690232	NM_207203.1	BC068157	0.403983397
ILMN_1212682	XM_001475220.1	LOC100045940	0.403879017
ILMN_2749866	NM_027088.1	BAP1	0.403876531

ILMN_1245615	NM_025760.3	PTPLAD2	0.403871185
ILMN_2778094	NM_025886.3	RASSF7	0.403853242
ILMN_1229359	XR_034751.1	LOC638034	0.403687285
ILMN_2670352	NM_029814.1	CHMP5	0.403460515
ILMN_1254335	NM_033354.2	SEC16B	0.403413094
ILMN_2930922	NM_029291.1	ASCC2	0.403331815
ILMN_2470238		ZFP128	0.403168747
ILMN_2865473	NM_029025.1	TMEM81	0.403088782
ILMN_2612238	NM_133829.1	2210010L05RIK	0.403074453
ILMN_1230730	NM_013799.2	ATE1	0.402989057
ILMN_1255634	NM_001082532.1	PIGYL	0.402968593
ILMN_1216211	NM_025894.2	PSMD12	0.402329376
ILMN_2977210	NM_144911.1	RPAP2	0.402056184
ILMN_1237959		NISCH	0.402045189
ILMN_1213001	NM_145439.1	TMC6	0.401965041
ILMN_2747677	NM_027093.3	2310003L22RIK	0.401818336
ILMN_1227131	NM_053252.2	EHBP1L1	0.401535388
ILMN_1232925		BC042423	0.401535181
ILMN_2966632	NM_025797.1	CYB5	0.401484447
ILMN_2760977	NM_008378.2	IMPACT	0.401455124
ILMN_1255259	NM_172943.3	ALKBH5	0.401340711
ILMN_2855998	NM_013738.1	PLEK2	0.401234932
ILMN_1221742	NM_199304.1	ZFP341	0.401216216
ILMN_1231062	NM_001045536.1	ZZEF1	0.401213413
ILMN_2923671	NM_001004154.1	RRAGB	0.401146522
ILMN_1219656	NM_026938.1	TMEM160	0.40098794
ILMN_2500157		4733401I05RIK	0.400912553
ILMN_2764732	NM_145978.1	PDLIM2	0.400672502
ILMN_2704395	NM_175203.2	4833408A19RIK	0.400628683
ILMN_2700848	NM_145429.4	ARRB2	0.400428077
ILMN_3007959	NM_028986.1	GZF1	0.400406098
ILMN_2704637	NM_175088.3	MDFIC	0.400330745
ILMN_2516348	NM_016796.2	VAMP4	0.400283074
ILMN_1248563	NM_009800.2	CAR11	0.40023793
ILMN_3007072	NM_024427.2	TPM1	0.400224191
ILMN_1228479		KREMEN	0.400046117
ILMN_3160662	NM_009712.3	ARSB	0.399980576
ILMN_1242903	NM_008622.3	MPV17	0.399926797
ILMN_2500276	NM_009831.2	CCNG1	0.399904079
ILMN_1220310	NM_019706.2	RNF138	0.399878287
ILMN_2853957	NM_010017.1	DAG1	0.399829289
ILMN_2607369	NM_021313.1	RNF25	0.399775757
ILMN_2425415	NM_054093.2	UBE3B	0.399719082
ILMN_1216143	NM_013876.3	RNF11	0.39925051
ILMN_2626143	NM_029293.2	PHPT1	0.399229665
ILMN_1239154	NM_176958.3	HIF1AN	0.399100245

ILMN_1239494	NM_019709.3	MBTPS1	0.398925248
ILMN_1233982	XM_193524.2	LOC270589	0.398821766
ILMN_2496421	NM_028875.2	XRCC3	0.398743498
ILMN_1256849	NM_178048.3	ST3GAL2	0.398737277
ILMN_2894999	NM_144893.1	SLC35C2	0.398736177
ILMN_2672458	NM_010313.1	GNB5	0.3986684
ILMN_2879759	NM_145968.1	TAGAP	0.39855736
ILMN_1248382	XR_032055.1	LOC100045864	0.398187459
ILMN_2752552	NM_011434.1	SOD1	0.398106077
ILMN_2597485	NM_024229.2	PCYT2	0.397968868
ILMN_2983669	NM_001035123.1	SETD6	0.397934523
ILMN_3154409	NM_010238.3	BRD2	0.397932173
ILMN_3116014	NM_001033314.1	C530028I08RIK	0.39786059
ILMN_2517060		9630015D15RIK	0.397838131
ILMN_2845974	NM_025542.1	2410001C21RIK	0.397830184
ILMN_2746924	NM_138585.3	CHERP	0.397752024
ILMN_1235006	NM_028122.3	SLC14A1	0.396804274
ILMN_1244292	NM_011439.2	SOX13	0.396697002
ILMN_1216802	NM_007522.2	BAD	0.396465014
ILMN_2927093	NM_009546.1	TRIM25	0.396208081
ILMN_2682516	NM_178398.4	WIPI2	0.396204868
ILMN_1241871	NM_007688.2	CFL2	0.396158894
ILMN_2679456	NM_007760.3	CRAT	0.395836428
ILMN_2884098	NM_027352.2	GORASP2	0.395761062
ILMN_2944657	NM_175172.2	4930506M07RIK	0.395677916
ILMN_1241088	NM_153591.3	NARS2	0.395631847
ILMN_2637156	NM_029330.2	FPGT	0.395456505
ILMN_1225132	XM_131210.1	4930519L02RIK	0.395368404
ILMN_2833388	NM_080469.2	PRNPIP1	0.395316523
ILMN_2685478	NM_023697.1	RDH14	0.395170676
ILMN_1217235	NM_026667.2	9130005N14RIK	0.395166807
ILMN_2908933	NM_134111.2	EAF2	0.395115335
ILMN_2729706	NM_024256.2	B3GAT3	0.395092761
ILMN_1221819		FCGRT	0.3950663
ILMN_2602837	NM_018859.2	AKR1E1	0.395025416
ILMN_1213881		1110003P22RIK	0.394984362
ILMN_2829330	NM_010422.1	HEXB	0.394761911
ILMN_2945275	NM_001045807.1	RBM15	0.394631181
ILMN_1260033	NM_026160.3	MAP1LC3B	0.394180478
ILMN_1229753	NM_013636.3	PPP1CC	0.394124899
ILMN_3120797	NM_178016.2	PIGK	0.393918579
ILMN_2750842	NM_026403.2	2610027L16RIK	0.393852841
ILMN_2745849	NM_178392.4	SNAPC1	0.393790058
ILMN_2910995	NM_172952.1	GPHN	0.39354243
ILMN_1246725	NM_080456.1	MRPS6	0.393378303
ILMN_1230019	NM_023738.4	UBE1L	0.393376597

ILMN_1235687	NM_138676.2	SHKBP1	0.393312917
ILMN_2840213	NM_009964.1	CRYAB	0.393295059
ILMN_2421436		D930050A07RIK	0.393278181
ILMN_3033533	NM_001024458.1	ADD1	0.393180379
ILMN_1226514	NM_153073.2	GAB3	0.392924681
ILMN_1242749	NM_028027.2	D10ERTD610E	0.392708087
ILMN_2892904	NM_025857.1	2310007F21RIK	0.392637021
ILMN_1217143	NM_145442.1	MBIP	0.392610367
ILMN_2704177	NM_021433.3	STX6	0.392567862
ILMN_1219080	NM_198113.2	SSH3	0.392553026
ILMN_1221634	NM_008306.4	NDST1	0.392528078
ILMN_1216559	NM_025975.5	DYNLT3	0.392490734
ILMN_1255676		A430106B04RIK	0.392387646
ILMN_1218495	NM_027839.1	CEACAM20	0.392282644
ILMN_1246045	NM_178916.4	RFESD	0.392263422
ILMN_2764588	NM_008048.2	IGFBP7	0.392054002
ILMN_2976829	NM_013506.1	EIF4A2	0.392048101
ILMN_2990420	NM_172132.1	JMJD2B	0.391981525
ILMN_2935237	NM_029338.1	1700027N10RIK	0.391972018
ILMN_2913845	NM_153796.3	PEO1	0.391964378
ILMN_1235811	NM_133187.2	1110032E23RIK	0.391946104
ILMN_2700765	NM_001081218.1	HCFC2	0.391870539
ILMN_2936380	NM_009163.2	SGPL1	0.391519521
ILMN_2674822	NM_029810.3	NT5C2	0.391483921
ILMN_2865822	NM_025898.1	NAPA	0.391420188
ILMN_1242893	XM_356175.1	ATR	0.391021397
ILMN_2536518	XM_357338.1	LOC383942	0.39099219
ILMN_2545063		5730552E08RIK	0.390644423
ILMN_2868482	NM_138671.1	NADK	0.390594002
ILMN_2744758	NM_001083317.1	SLC35A4	0.390579808
ILMN_2976191	NM_011488.2	STAT5A	0.390557593
ILMN_1240346	NM_019654.2	SOCS5	0.390466576
ILMN_1219853		4122402O22RIK	0.390459943
ILMN_2735792	NM_011417.2	SMARCA4	0.390395715
ILMN_2723491	NM_001039175.1	ELOVL1	0.390352103
ILMN_2813186	NM_027106.1	AVPI1	0.390309468
ILMN_1222487		ZPBP	0.390189342
ILMN_1228942	NM_007652.2	CD59A	0.390178848
ILMN_2949021	NM_178772.2	AADAACL1	0.390131712
ILMN_2631218	NM_177001.2	9130023H24RIK	0.389984828
ILMN_2919343	NM_028844.1	AVEN	0.389866012
ILMN_1222962		DIAP3	0.389802844
ILMN_2665316	NM_025570.2	MRPL20	0.389764346
ILMN_1218282	NM_183270.1	5330414O08RIK	0.389761773
ILMN_1243678	NM_207239.1	GTF3C1	0.38975104
ILMN_2828819	NM_010716.2	LIG3	0.389661459

ILMN_1249991	NM_032465.1	CD96	0.389657596
ILMN_2783403	NM_011203.2	PTPN12	0.389612294
ILMN_1260064	NM_019410.2	PFN2	0.389606117
ILMN_1257772	NM_001081420.1	BC026590	0.389413389
ILMN_1234909	NM_025372.3	TIPIN	0.389406482
ILMN_2998870	NM_001001983.1	PI4KA	0.389130531
ILMN_2850753	NM_010786.2	MDM2	0.389033653
ILMN_2970672	NM_145425.2	AV249152	0.388690244
ILMN_2687391	NM_146254.2	WDR78	0.388630737
ILMN_2638558	NM_022889.3	PES1	0.388464168
ILMN_1224091	NR_001463.2	XIST	0.388453421
ILMN_1254553		POLE3	0.388364707
ILMN_1223689	NM_013651.3	SF3A2	0.388345463
ILMN_2709355	NM_011989.3	SLC27A4	0.388286199
ILMN_1223768		4832412D13RIK	0.388208245
ILMN_3034034	NM_028527.1	1700047I17RIK1	0.388041738
ILMN_1257509		MKIAA1429	0.387990971
ILMN_2581247		E030007H10RIK	0.387823663
ILMN_1259904	NM_015769.1	ERCC4	0.387769134
ILMN_2449150		MAP4K2	0.387589389
ILMN_1220975	NM_008979.1	PTPN22	0.387566394
ILMN_2772920		FBXO4	0.387491876
ILMN_1259564	NM_019440.2	IIGP2	0.387033569
ILMN_1246887		ANXA7	0.387029557
ILMN_2651005	NM_010155.2	ERF	0.386944749
ILMN_1248891	NM_173863.2	CRTC3	0.386892045
ILMN_2643951	NM_001033312.3	FBXL18	0.386856816
ILMN_2644161	NM_178799.2	9330129D05RIK	0.386828438
ILMN_3117483	NM_009770.2	BTG3	0.386801062
ILMN_1260038	NM_007917.3	EIF4E	0.386363744
ILMN_2699933	NM_024236.1	QDPR	0.38613759
ILMN_2695662	NM_007803.1	CTTN	0.386080153
ILMN_1238609	NM_026274.3	RSPRY1	0.386051358
ILMN_1257759	NM_144812.2	TNRC6B	0.385827362
ILMN_2993204	NM_011104.1	PRKCE	0.385772102
ILMN_2790188	NM_026604.3	FAM135A	0.385763018
ILMN_1244527	NM_001081040.1	COQ10A	0.385655552
ILMN_1233363	NM_153126.2	NAT10	0.385595689
ILMN_2660596	NM_198620.1	RUNDC3B	0.385440169
ILMN_1260086	XM_911987.3	EG240110	0.385331261
ILMN_1241168	NM_053246.2	DOK4	0.385288088
ILMN_2455192	NM_013844.2	ZFP68	0.385102532
ILMN_2970345	NM_078484.1	SLC35A2	0.38508462
ILMN_2780454	NM_029036.1	S100PBP	0.385076457
ILMN_2957605	NM_053183.1	DDX50	0.384979175
ILMN_1217330		GFM	0.384962986

ILMN_1237987		8430415N23RIK	0.384941587
ILMN_2447483		A630036P20RIK	0.384911362
ILMN_1260348	NM_012058.2	SRP9	0.384878855
ILMN_2626114	NM_001003950.2	RAB3IP	0.384773081
ILMN_2704715	NM_025697.3	6330409N04RIK	0.384691199
ILMN_1228169	XM_897323.2	MAP3K10	0.384644808
ILMN_1253798		4933407L23RIK	0.384643422
ILMN_1217344	NM_177644.4	RASAL2	0.384628574
ILMN_1252015		A630040J04RIK	0.384527931
ILMN_1219077		AA536749	0.384445931
ILMN_1220608	XM_147789.1	1700081H05RIK	0.384425793
ILMN_2744435	NM_008231.3	HDGF	0.384381929
ILMN_1224134		D330050B18RIK	0.384368496
ILMN_3137920	NM_001039089.1	SEL1L	0.384165646
ILMN_2434798		C330005L02RIK	0.384138427
ILMN_2792268	NM_054096.1	TIRAP	0.38406283
ILMN_2604688	NM_007458.2	AP2A1	0.3839893
ILMN_2426833	NM_146039.3	WDR60	0.383971683
ILMN_1218678		COPS3	0.383632407
ILMN_1246808		SERPINE2	0.3835651
ILMN_1256890	NM_029931.2	MLLT3	0.383517501
ILMN_1240472	NM_174874.3	ATG4B	0.383387553
ILMN_1241161	XM_990809.1	CAMK2N2	0.383344072
ILMN_2487482	NM_011764.2	ZFP90	0.383240966
ILMN_2599858	NM_017463.2	PBX2	0.383201
ILMN_2667346	NM_029688.4	SRXN1	0.383160332
ILMN_2504606	XM_001477759.1	LOC100047264	0.382918785
ILMN_2811421	NM_010768.1	MATK	0.382708777
ILMN_1219787	NM_144833.2	ZFP410	0.38239433
ILMN_1229458	NM_008855.1	PRKCB	0.381480264
ILMN_2597532	NM_007471.1	APP	0.381330497
ILMN_3100812	NM_001037741.2	GPX4	0.381317458
ILMN_2816876	NM_008287.2	HRSP12	0.381169359
ILMN_3130983	NM_021326.2	RBAK	0.381124736
ILMN_2695731	NM_146236.1	TCEAL1	0.380688315
ILMN_1231387	NM_001033243.2	CCDC114	0.380601763
ILMN_2978574	NM_172697.1	PRPF38A	0.380387012
ILMN_1248840	NM_053198.2	SFXN4	0.380350276
ILMN_2758120	NM_008065.2	GABPA	0.380344844
ILMN_2799590	NM_172607.2	NAPRT1	0.380072022
ILMN_1247646	NM_198622.1	H1FX	0.379833394
ILMN_2470889	NM_001082975.1	2310014G06RIK	0.379817724
ILMN_1227805	NM_001081344.1	STXBP5	0.379686301
ILMN_2494061	XM_001471743.1	LOC100044170	0.379534005
ILMN_2424299	NM_013749.1	TNFRSF12A	0.379416701
ILMN_2974945	NM_026225.1	COG6	0.379411624

ILMN_3103652	NM_027874.2	CSNK1D	0.379374571
ILMN_1216391	XM_917911.2	4930563E22RIK	0.3793247
ILMN_1232800	NM_133769.2	CYFIP2	0.379196403
ILMN_2792601	NM_175116.2	P2RY5	0.37916535
ILMN_1253838	NM_054056.2	PAWR	0.37914348
ILMN_2962584	NM_053082.2	TSPAN4	0.37912624
ILMN_2594539		6430590I03RIK	0.378989693
ILMN_2965991	NM_026277.1	NOB1	0.378918989
ILMN_2718157	NM_018864.4	IMPA1	0.378891231
ILMN_1258086	NM_001040398.1	SETD1B	0.378807676
ILMN_2690256	NM_133748.1	INSIG2	0.37863901
ILMN_2934534	NM_134129.2	PRPF19	0.378547623
ILMN_2920008	NM_019774.2	AKAP8	0.378194706
ILMN_1241991	NM_033576.1	PCDHGB4	0.378194559
ILMN_2874104	NM_007988.3	FASN	0.378075723
ILMN_1226275	NM_175374.3	MTRF1L	0.378032064
ILMN_1258517		GBE1	0.377973686
ILMN_2639035	NM_025555.3	2410004B18RIK	0.377735089
ILMN_1219002	NM_023211.4	USMG5	0.377527956
ILMN_2672662	NM_023229.2	FASTK	0.377460121
ILMN_2470799	XM_001478437.1	LOC100047579	0.377407336
ILMN_1253434	NM_172738.2	5730403M16RIK	0.377240905
ILMN_2790312	NM_133895.1	SLC15A4	0.377046668
ILMN_2981689	NM_172288.1	NUP133	0.376993031
ILMN_1251668	NM_019660.3	MYCBP	0.376940965
ILMN_2622915		SLC14A1	0.376671404
ILMN_2614212	NM_008551.1	MAPKAPK2	0.376517423
ILMN_1236649		B130019G13RIK	0.376479207
ILMN_2731463	XM_358314.1	2610301G19RIK	0.376471176
ILMN_1224455		B930004C15RIK	0.376469102
ILMN_2629776	NM_008793.1	PCSK4	0.376418241
ILMN_1214810	NM_007477.4	ARF2	0.376343904
ILMN_2476804	NM_019668.3	UBE2A	0.376326753
ILMN_2452883		PEX11A	0.376254979
ILMN_1218000		A530020A01RIK	0.376096869
ILMN_3160203	NM_001033496.2	ZFP213	0.376043969
ILMN_1231264	NM_078478.3	GHITM	0.376002289
ILMN_2997379	NM_028832.1	MTERFD3	0.375876099
ILMN_1216190		RASA3	0.37579943
ILMN_1254734	NM_011885.3	MRPS12	0.375786537
ILMN_2420209		6430511F03	0.375673054
ILMN_2745433	NM_026170.3	ERGIC1	0.375648298
ILMN_1235834	NM_024479.1	WBSCR27	0.375442898
ILMN_2698248	NM_016810.3	GOSR1	0.375288601
ILMN_1251206	NM_013771.4	YME1L1	0.375274619
ILMN_1222174	XM_001476048.1	NDUFA12L	0.375194318

ILMN_2702141	NM_019453.1	MEFV	0.375148852
ILMN_2870672	NM_010180.1	FBLN1	0.375114381
ILMN_1249136	XM_001479052.1	LOC671641	0.375011022
ILMN_2724779	XM_903427.2	LOC630302	0.374704378
ILMN_1246720	NM_008837.2	PICK1	0.374624651
ILMN_2995575	NM_145376.3	AYTL2	0.374576411
ILMN_2621268	NM_177468.2	D7ERTD413E	0.374551406
ILMN_1250063	NM_009358.2	PPP2R5D	0.374501904
ILMN_3154581	NM_023121.2	GNGT2	0.374491073
ILMN_2641956	NM_008668.1	NAB2	0.374459342
ILMN_2834451	NM_019742.2	TUSC2	0.374316326
ILMN_1241436		E230014G11RIK	0.374302378
ILMN_2593188	NM_152922.1	EGFL8	0.374234812
ILMN_1216781	NM_001003955.2	RAB11FIP5	0.374188737
ILMN_2514776	NM_053170.2	TRIM33	0.374165205
ILMN_1258158	NM_134042.2	ALDH6A1	0.374160875
ILMN_2662316	NM_177158.2	5830482F20RIK	0.374127566
ILMN_2947292	NM_016693.3	MAP3K6	0.374015246
ILMN_1239411	NM_176932.2	6430510M02RIK	0.373913219
ILMN_2911520	NM_001001333.1	HEXDC	0.373712482
ILMN_2668236	NM_015761.2	DOS	0.373569287
ILMN_2622001	NM_138755.1	PHF21A	0.373537785
ILMN_1254341	NM_009105.3	RSU1	0.373427444
ILMN_1219777	NM_146191.3	LRRK1	0.373426704
ILMN_2922368	NM_183318.1	RGAG4	0.373356611
ILMN_2777804	NM_175251.2	ARID2	0.373169724
ILMN_1220023	NR_003145.2	SNHG10	0.373154419
ILMN_1215096	NM_007647.2	ENTPD5	0.373067411
ILMN_1238902		B130066H02RIK	0.373062489
ILMN_2767227	NM_025839.3	NUDT16L1	0.372846861
ILMN_2607022	NM_008980.1	PTPRA	0.37283226
ILMN_2521686	NM_172280.2	2210018M11RIK	0.372719573
ILMN_2613531	XM_130033.5	ARHGAP21	0.372653616
ILMN_1231010	XR_033733.1	LOC664956	0.37255644
ILMN_2771665	NM_133880.1	PAFAH2	0.372451016
ILMN_1256412	NM_011363.2	SH2B1	0.372407046
ILMN_3134301	NM_145832.3	SLC35C1	0.37238634
ILMN_1214826	XR_032424.1	PGBD1	0.372367879
ILMN_2752436	XM_149712.5	2210010N04RIK	0.372346174
ILMN_1256927	NM_178618.3	2310040C09RIK	0.372307539
ILMN_2424937	NM_144925.3	TNRC6A	0.372259105
ILMN_2548435		4932433F15RIK	0.372247259
ILMN_2621909	NM_027078.1	1700023M03RIK	0.372192847
ILMN_1249977		B930059J09RIK	0.372175604
ILMN_2990616	NM_007465.1	BIRC2	0.372170167
ILMN_2593410	NM_008445.2	KIF3C	0.372148006

ILMN_2924243	NM_008403.2	ITGB1BP1	0.372128182
ILMN_2881620	NM_008685.2	NFE2	0.37204161
ILMN_2746000	NM_172391.3	AHSA2	0.371975436
ILMN_2648376	XM_001481214.1	LOC100043906	0.371972752
ILMN_2693677	NM_133926.2	CAMK1	0.371735219
ILMN_2975295	NM_001025573.1	2010107G12RIK	0.371628833
ILMN_1221822	NM_170598.2	RBM12	0.371615985
ILMN_2755399		PPP2R4	0.371598548
ILMN_2755215	NM_172958.3	MTMR12	0.371586779
ILMN_2976188	NM_011488.2	STAT5A	0.37157393
ILMN_2688888	NM_145523.3	GCA	0.371293449
ILMN_2958016	NM_028058.1	FUNDC1	0.371252215
ILMN_2589433	NM_026259.2	RNF41	0.371179944
ILMN_1220132	NM_172550.4	A130042E20RIK	0.371148131
ILMN_3009738	NM_026451.1	1600012H06RIK	0.370896369
ILMN_2877835	NM_177391.2	C920005C14RIK	0.370868369
ILMN_3096468	NM_001081462.1	GTF2IRD1	0.370773384
ILMN_1213816	XM_001471965.1	PPP2R3A	0.37073621
ILMN_1219208	NM_139236.3	NOL6	0.370669592
ILMN_1255342	NM_011176.4	ST14	0.370638277
ILMN_2944601	NM_001004146.1	4933439C20RIK	0.370576745
ILMN_3149143	NM_001026214.1	ENTPD5	0.370571824
ILMN_1247117	NM_177693.3	LIM2	0.370533902
ILMN_2755621	NM_177318.2	ZFP653	0.370530368
ILMN_2616274	NM_199322.1	DOT1L	0.37048599
ILMN_1224846	NM_153785.3	CDKL3	0.37047451
ILMN_2889044	NM_138582.1	D17H6S56E-3	0.370412127
ILMN_3112011	NM_130447.2	DUSP16	0.370354118
ILMN_2913069	NM_178932.1	AOC2	0.369954518
ILMN_2602607	NM_024461.2	1810037I17RIK	0.369936476
ILMN_2524251	XM_001474897.1	TNIK	0.369827317
ILMN_1247096		AGL	0.369727761
ILMN_2677696	NM_013852.2	ABCF3	0.369679995
ILMN_2586958		9530095N04RIK	0.369611552
ILMN_2893081	NM_013594.1	MBD1	0.369564202
ILMN_1258728	NM_028048.2	SLC25A35	0.369535214
ILMN_2599402	NM_011599.3	TLE1	0.369496128
ILMN_2720807	NM_001081105.1	RHOH	0.36940323
ILMN_1252431	NM_001033174.1	OSBP	0.369340065
ILMN_2540127	XM_358209.1	LOC385368	0.369289959
ILMN_2588199	NM_173757.3	MRPS27	0.369257159
ILMN_2803399	NM_008567.1	MCM6	0.369210253
ILMN_2693858	NM_025311.1	D14ERTD449E	0.369166246
ILMN_2495446		0610037M15RIK	0.368893692
ILMN_1221129	NM_172572.2	RHBDF2	0.368524734
ILMN_1253189	XM_001480001.1	2610014I16RIK	0.368460583

ILMN_2881155	NM_001033416.1	GAL3ST4	0.368435428
ILMN_2717678	NM_010739.1	MUC13	0.368345371
ILMN_2627081	NM_015789.2	DKKL1	0.368326182
ILMN_2479681	NM_001029890.1	MEX3A	0.368317129
ILMN_2823269	NM_022980.3	DSCR1L2	0.368290728
ILMN_2654296	NM_016676.4	RAB10	0.36828457
ILMN_2985305	NM_198420.1	D15WSU169E	0.368221021
ILMN_1249301	NM_009739.3	BCKDK	0.368208651
ILMN_1216688	NM_010390.2	H2-Q1	0.368196824
ILMN_2512206	NM_021539.4	WSB2	0.368109158
ILMN_2546510	XM_001479948.1	EG434402	0.368034219
ILMN_1242540	NM_001081264.1	ALG6	0.368030679
ILMN_1240178	NM_010761.2	CCNDBP1	0.367968643
ILMN_2692244	NM_001081053.1	ITGA10	0.367812098
ILMN_1218358	NM_001048207.1	GYPC	0.36781093
ILMN_2640944	NM_010887.1	NDUFS4	0.367777363
ILMN_2518197	NM_031880.2	TNK1	0.367709614
ILMN_2972372	NM_019458.2	PAF1	0.367535613
ILMN_1259668	NM_001033297.2	GM561	0.367167824
ILMN_2466021		HIVEP3	0.366741475
ILMN_2476341		2310051F07RIK	0.366687942
ILMN_2907560	NM_008057.2	FZD7	0.366512549
ILMN_2844153	NM_199149.1	BC024868	0.366352606
ILMN_2798797	NM_026313.1	3300001P08RIK	0.366269497
ILMN_2964511	NM_026850.2	PDCL3	0.366213563
ILMN_1232969	NM_026396.3	BXDC2	0.366204344
ILMN_2753057	NM_025314.1	DTD1	0.365980484
ILMN_2776283		TCEA3	0.365929353
ILMN_1255927	NM_001044383.1	UBTF	0.365859392
ILMN_2907928	NM_134034.1	SMEK2	0.365747917
ILMN_1217254	NM_181415.3	ATRNL1	0.365393516
ILMN_2650317	NM_028767.1	FOXP4	0.365293534
ILMN_1250469	NM_030256.1	BCL9L	0.365264533
ILMN_2646369	NM_022411.3	SLC13A2	0.364759315
ILMN_2435891	NM_017467.2	ZFP316	0.364744087
ILMN_2707015	NM_027985.2	MAD2L2	0.364643679
ILMN_1244649	NM_026999.2	ZFP688	0.364605655
ILMN_2620336	NM_022327.4	RALB	0.364516233
ILMN_3127381	NM_008616.2	ZFP239	0.364475672
ILMN_3087187	NM_001044705.1	ZSCAN21	0.364411145
ILMN_2540103	XR_031145.1	LOC666559	0.364195357
ILMN_2890357	NM_172145.2	2610027C15RIK	0.364124772
ILMN_2996046	NM_032460.1	BAT4	0.364122121
ILMN_2836023	NM_016665.1	STRA13	0.364119763
ILMN_1212639		2310045L10RIK	0.364063824
ILMN_2422834	NM_177073.5	RELT	0.363994049

ILMN_1251934		AZI2	0.363884175
ILMN_1242542	NM_177186.4	A530082C11RIK	0.363880773
ILMN_1223591	NM_030713.1	ZFP202	0.363856212
ILMN_2790241	NM_022331.1	HERPUD1	0.363705367
ILMN_2655025		BC026996	0.36352319
ILMN_2620930	NM_015735.1	DDB1	0.363502764
ILMN_2933426	NM_019873.2	FKBPL	0.363424211
ILMN_2618302	NM_010451.1	HOXA2	0.363396779
ILMN_2623184	NM_028024.2	NKIRAS2	0.363355735
ILMN_3163504	NM_176917.4	METTL4	0.363354734
ILMN_1246380		RECQL	0.363332098
ILMN_1245338	NM_146001.1	HIP1	0.363036996
ILMN_2775098	NM_025797.3	CYB5	0.362776814
ILMN_2908056	NM_027154.3	TMBIM1	0.362694746
ILMN_2599145	XM_001471713.1	LOC100044159	0.362672423
ILMN_2911936	NM_011585.3	TIA1	0.362460889
ILMN_1243890	NM_130454.1	RECQL5	0.362452452
ILMN_2878071	NM_013590.2	LYZ	0.362094687
ILMN_2765936	NM_175392.3	5730472N09RIK	0.361723086
ILMN_1214645	NM_054096.1	TIRAP	0.361580664
ILMN_2690968	NM_175226.3	RNF139	0.361571051
ILMN_1219450	NM_138589.2	UBFD1	0.361568903
ILMN_2548550		4933432B13RIK	0.361563247
ILMN_1236059	NM_011487.3	STAT4	0.361526434
ILMN_2681733	NM_029849.2	4632433K11RIK	0.361334186
ILMN_2653842	NM_175411.4	FAM118B	0.361223278
ILMN_1231601	NM_177729.2	4930477M19	0.360954441
ILMN_2678502	NM_133993.2	PWP1	0.360863102
ILMN_2629112	NM_139306.1	ASAH3L	0.360822676
ILMN_2669869	NM_011699.3	LIN7C	0.36057872
ILMN_2761994	NM_175648.2	A530023O14RIK	0.360405385
ILMN_2769153		4930455F23RIK	0.360303751
ILMN_1242391	NM_021793.1	TMEM8	0.360042649
ILMN_1219661	NM_026225.2	COG6	0.359981068
ILMN_2662264	NM_029815.1	BCAS1	0.359980142
ILMN_2728830	NM_025444.2	TAF13	0.359852007
ILMN_2793503	NM_019562.1	UCHL5	0.359693822
ILMN_1216265	NM_001081300.1	TSHZ1	0.359678945
ILMN_2953301	NM_007460.1	AP3D1	0.359397491
ILMN_1235150	XM_358652.1	LOC381787	0.359363766
ILMN_2894057	NM_027323.1	SRRD	0.35910008
ILMN_1246221	NM_177088.2	CCDC45	0.358887563
ILMN_2541629	XM_358707.1	LOC382114	0.358876947
ILMN_1242334	XM_001479510.1	0610040B10RIK	0.358716946
ILMN_2861493	NM_025703.2	TCEAL8	0.358702726
ILMN_1222351		6330403M23RIK	0.358613629

ILMN_3009735	NM_026451.1	1600012H06RIK	0.358247005
ILMN_2814431	NM_025736.1	TTC35	0.358224336
ILMN_1238984	NM_029851.2	DYNC2H1	0.358077804
ILMN_3001043	NM_010790.2	MELK	0.35801744
ILMN_2820297	NM_028811.1	ELP3	0.357992104
ILMN_1213331	NM_001081378.1	C330002I19RIK	0.3579316
ILMN_2590729	NM_008445.2	KIF3C	0.357850302
ILMN_2475864		UBP1	0.357702142
ILMN_1250531	NM_054087.2	SLC19A2	0.357445074
ILMN_1222069		BBX	0.357350728
ILMN_2797594	NM_019574.2	PATZ1	0.357320332
ILMN_2867771	NM_007601.1	CAPN3	0.357302353
ILMN_2700430	NM_001081383.1	MLL3	0.357295871
ILMN_2779746	NM_012058.2	SRP9	0.357292417
ILMN_2749471	NM_016893.4	FUT8	0.357180635
ILMN_2562146		A730021C13RIK	0.356796864
ILMN_2463979	NM_023053.2	TWSG1	0.35674682
ILMN_3004553	NM_021514.2	PFKM	0.356738367
ILMN_2433990	XM_001480051.1	LOC100048346	0.356668131
ILMN_1225386	XM_898537.2	2300009A05RIK	0.35665045
ILMN_3062654	NM_001025426.1	DEPDC5	0.356631026
ILMN_3099633	NM_001081359.1	UBR5	0.356545441
ILMN_2939882	NM_007740.2	COL9A1	0.356451279
ILMN_3147584	NM_021890.3	FADS3	0.356406977
ILMN_1224755	NM_023045.2	XPO7	0.356143948
ILMN_2982652	NM_015751.2	ABCE1	0.356064432
ILMN_1229630	NM_009099.2	TRIM30	0.356060138
ILMN_2652909	NM_007837.2	DDIT3	0.356001667
ILMN_2858399	NM_173397.2	D930001I22RIK	0.355908495
ILMN_3163419	NM_001013829.2	SHF	0.355882163
ILMN_2911454	NM_145412.3	5830457O10RIK	0.355736252
ILMN_2749737	NM_031843.2	DPP7	0.355641448
ILMN_2619671	NM_025440.2	MRPS16	0.355527538
ILMN_1249930		ATP6V0A2	0.355489875
ILMN_3051608	NM_026013.2	TMEM77	0.355401386
ILMN_2743593	NM_175446.3	ZMAT1	0.355383858
ILMN_1230377		E430024E16RIK	0.355202547
ILMN_3029489	NM_001033302.1	GM129	0.355201139
ILMN_2574633		B430201C15RIK	0.355028088
ILMN_2914036	NM_001024726.2	ZFP607	0.355016788
ILMN_1252919	NM_025828.3	LMAN2	0.354994126
ILMN_1218057	NM_017467.2	ZFP316	0.354938291
ILMN_2469333	NM_011609.2	TNFRSF1A	0.354822694
ILMN_2859440	NM_029797.1	MND1	0.354816399
ILMN_1258578	NM_001039959.1	AHNAK	0.35475117
ILMN_2460491	XM_992396.1	SLC39A9	0.354745209

ILMN_2734340	XM_001472888.1	STX11	0.354726184
ILMN_1260027		ARPC4	0.354596634
ILMN_2945551	NM_023587.2	PTPLB	0.354500795
ILMN_2961626	NM_025790.1	THEM2	0.354470533
ILMN_1217786	NM_029495.1	EPSTI1	0.354455848
ILMN_3135697	NM_181274.3	1200003I07RIK	0.354357228
ILMN_2488835		EPB4.1L2	0.354100279
ILMN_2490252		SPRED1	0.354053442
ILMN_1245031	NM_026550.2	PAK1IP1	0.353757144
ILMN_2615864	XM_356222.1	PHTF1	0.353621298
ILMN_2751037	XM_147847.4	SPATA13	0.353604108
ILMN_2720429	NM_016915.3	PLA2G6	0.353562245
ILMN_2950503	NM_001001602.1	DAB2IP	0.35353821
ILMN_1220446	NM_181413.3	ANKS1	0.353516121
ILMN_2668455	NM_172842.2	LAX1	0.353495039
ILMN_2627072	NM_053180.2	CCRK	0.353379792
ILMN_1254390	NM_001039967.1	1200003I07RIK	0.353178966
ILMN_1231840	NM_001039386.1	NELF	0.353023443
ILMN_1249137	NM_134044.2	AI413782	0.353009671
ILMN_1236600		ITGA6	0.352715457
ILMN_1237090	NM_019877.2	COPZ2	0.352608316
ILMN_2725719	XR_035307.1	AI854703	0.352573087
ILMN_1215885	NM_029019.3	STARD6	0.352484374
ILMN_2676533	NM_145223.2	ALMS1	0.352468551
ILMN_1225014	NM_172774.2	6620401K05RIK	0.352439628
ILMN_2657009	XM_001475732.1	LOC100046143	0.352246618
ILMN_1226126	NM_177648.3	DOLK	0.352230652
ILMN_2744414	NM_019730.1	NME3	0.352069458
ILMN_2588601	NM_010885.4	NDUFA2	0.352059164
ILMN_1230395	NM_027909.2	C2CD2L	0.351980248
ILMN_1219701	NM_009423.3	TRAF4	0.351529461
ILMN_2654443	XM_925142.3	1300018I17RIK	0.35152839
ILMN_2959272	NR_003027.1	RNU6	0.351490671
ILMN_1233613	NM_028315.2	DIS3	0.351395592
ILMN_1243763		B230349N02RIK	0.351318615
ILMN_1214875		RPS24	0.351265332
ILMN_1244991	NM_145564.3	FBXO21	0.351262643
ILMN_2871881	NM_025650.2	UQCR	0.35120632
ILMN_1223832	XM_001479242.1	LOC100047833	0.35106499
ILMN_2828438	NM_178264.3	D830050J10RIK	0.350969029
ILMN_2504433	NM_011631.1	HSP90B1	0.350883058
ILMN_1229981		1700073K01RIK	0.350881332
ILMN_2530621	XM_148771.1	LOC224628	0.350754095
ILMN_2577286		D330012P07RIK	0.350740373
ILMN_1251595	NM_198161.1	BHLHB9	0.350660202
ILMN_2901626	NM_178589.2	TNFRSF21	0.350568028

ILMN_2682503	NM_015828.2	GENE	0.350509495
ILMN_2620603	NM_177009.3	SMYD4	0.350497716
ILMN_2747623	NM_172546.2	CNKSR3	0.350453586
ILMN_1216813	NM_027093.3	2310003L22RIK	0.350385568
ILMN_2831268	NM_178746.3	SLC38A9	0.350213875
ILMN_3009521	NM_001017983.1	FOXRED2	0.349798044
ILMN_1239592	NM_173426.2	FAM110B	0.349692335
ILMN_2548883		4930406P12RIK	0.34962947
ILMN_2616638	NM_028043.2	D1BWG0212E	0.349490782
ILMN_2650998	NM_010155.2	ERF	0.34944906
ILMN_2661287	NM_007431.1	AKP2	0.34936004
ILMN_3076424	NM_008909.2	PPL	0.349224084
ILMN_1242435	NM_178746.3	SLC38A9	0.34917486
ILMN_1230396	NM_178404.2	ZC3H6	0.349103301
ILMN_1231670	NM_177140.2	D230037D09RIK	0.349102807
ILMN_2566052		C130020C07RIK	0.349032454
ILMN_1215803	NM_027052.3	SLC38A4	0.349003809
ILMN_2600928	NM_007696.2	OVGP1	0.348799679
ILMN_2555935		1810047K05RIK	0.348693119
ILMN_2736071	XM_001476827.1	LOC100046796	0.348678964
ILMN_1256988		4933401B08RIK	0.348595206
ILMN_2609056	NM_153178.2	EIF2C2	0.348520184
ILMN_3099751	NM_001077638.1	PRMT2	0.34819901
ILMN_1237156	XM_910661.2	LOC626259	0.348177964
ILMN_1245924	NM_007746.2	MAP3K8	0.347966185
ILMN_1249277	XM_888711.3	MYEOV2	0.347942559
ILMN_1251951		A930011E24RIK	0.347853201
ILMN_2904979	NM_144858.1	DUS3L	0.347585397
ILMN_1258993	NM_145573.2	MRPS35	0.347442993
ILMN_1216098	XM_904306.3	ZFP746	0.34742611
ILMN_2768850	NM_144802.3	HNRPLL	0.347425325
ILMN_2475271	NM_025701.3	TRAPPC5	0.347336884
ILMN_2497526	XM_001052064.2	LOC674195	0.347262233
ILMN_1212626	XM_982986.2	EG665509	0.346997431
ILMN_2977690	NM_133847.3	TM9SF4	0.34693804
ILMN_1241333	NM_028454.2	TM7SF2	0.346876724
ILMN_2650578	NM_028056.1	1600002H07RIK	0.346720742
ILMN_2517138		D15ERTD528E	0.346714075
ILMN_2746456	NM_016921.2	TCIRG1	0.346654918
ILMN_2769811		2810046L04RIK	0.346606861
ILMN_3121578	NM_001004364.1	DDEF2	0.345967062
ILMN_1229286	NM_024254.2	2410042D21RIK	0.345425081
ILMN_2536553	XM_356814.1	LOC383036	0.345416248
ILMN_2901903	NM_008838.1	PIGF	0.345369361
ILMN_1259554	XR_035422.1	MARVELD1	0.345364849
ILMN_1244312	XM_137003.2	LOC212399	0.345284951

ILMN_1216617		C430014K11RIK	0.3451023
ILMN_2656440	NM_028105.3	ADCK1	0.345036018
ILMN_2843548	NM_134078.2	CHMP7	0.344937284
ILMN_2628744	NM_172282.1	B230339H12RIK	0.344678089
ILMN_2759792	XM_203577.2	2310079P12RIK	0.34465864
ILMN_2900827	NM_133772.1	SSBP4	0.344477519
ILMN_2458545		A930019L04RIK	0.344307027
ILMN_2860725	NM_153775.1	2310061F22RIK	0.34428327
ILMN_2533459	XM_134917.5	LOC235497	0.344147327
ILMN_1232517		HELZ	0.343907675
ILMN_3071356	NM_007830.3	DBI	0.343426445
ILMN_1226726		TPMT	0.343394838
ILMN_2910295	NM_015800.2	CRIM1	0.343319672
ILMN_2747430	NM_009726.3	ATP7A	0.343314618
ILMN_2628745	NM_172282.2	TMCO3	0.343281739
ILMN_1255514		IL18R1	0.34323411
ILMN_2687974		BC008150	0.343011198
ILMN_1252615		E330023A07RIK	0.342939531
ILMN_1252481	NM_008037.3	FOSL2	0.342918497
ILMN_2759598	NM_026871.1	HINT2	0.342887905
ILMN_1222383	XR_034387.1	LOC100048083	0.342721394
ILMN_3128907	NM_007653.3	CD63	0.342634646
ILMN_1218452		ES2EL	0.342536521
ILMN_1243615	NM_172611.2	GRAMD4	0.342262455
ILMN_2647820	NM_009695.2	APOC2	0.34215223
ILMN_3108328	NM_175933.2	PEX5	0.342074571
ILMN_2689908	NM_019657.2	HSD17B12	0.341882799
ILMN_2500700	NM_008997.3	RAB11B	0.34180903
ILMN_2455397		1110021J02RIK	0.341788884
ILMN_2653444	XM_920610.2	3200001K10RIK	0.341650545
ILMN_2802611	NM_080556.2	TM9SF2	0.341452285
ILMN_2784957	NM_178398.2	WIPI2	0.341405476
ILMN_1212646	NM_016683.1	ZKSCAN5	0.341387137
ILMN_1235131	NM_172670.1	GYLTL1B	0.341301792
ILMN_2650049	NM_009293.1	STS	0.341263315
ILMN_2649435	NM_175676.2	6720487G11RIK	0.341169846
ILMN_3003631	NM_015817.2	PPAP2C	0.341155698
ILMN_2458986		BZW1	0.34105687
ILMN_2481541	XM_994766.1	PPIL6	0.340933587
ILMN_3090123	NM_172256.1	DYNC2LI1	0.340895454
ILMN_2721439	NM_007792.3	CSRP2	0.340854595
ILMN_1233679	NM_011752.2	ZFP259	0.340848453
ILMN_2596979	NM_025980.2	NRARP	0.340838705
ILMN_2679662	NM_030245.2	TADA1L	0.340739241
ILMN_2702016	NM_025912.3	2010011I20RIK	0.340615033
ILMN_2945607	NM_011753.1	ZFP26	0.340402279

ILMN_1214859	NM_173738.2	BC027344	0.340363406
ILMN_2501071		NDUFB8	0.340133523
ILMN_2847136	NM_023229.2	FASTK	0.340066918
ILMN_1229993	NM_013888.2	DNAJC12	0.34001627
ILMN_1220545	NM_133250.1	MUTYH	0.340000876
ILMN_2693645	NM_027561.2	4632415L05RIK	0.339948471
ILMN_1221257	XM_129546.2	BC026585	0.339880815
ILMN_1253625	XM_001475830.1	LOC100046343	0.339600779
ILMN_2776419		DNCLC1	0.33959533
ILMN_1214290		2210008N01RIK	0.339576412
ILMN_1235592	NM_011549.2	TCFEB	0.339543453
ILMN_2638721	NM_153407.2	CSRNP2	0.339456446
ILMN_2895991	NM_027430.1	BRP44	0.339429148
ILMN_1222844	NM_001081017.1	9030205A07RIK	0.339401924
ILMN_1251257	NM_018828.2	FNBP4	0.339311733
ILMN_1216485		A930039H18RIK	0.339296941
ILMN_2739250	NM_180588.1	REEP4	0.339246259
ILMN_2620326	NM_024264.4	CYP27A1	0.339235912
ILMN_2601147	NM_023645.3	KDELC1	0.339178472
ILMN_1216439	XM_979472.1	1700084E18RIK	0.339176625
ILMN_2787580	NM_027013.1	SCNM1	0.339142111
ILMN_2834837	NM_011711.1	FMNL3	0.339117886
ILMN_2877253	NM_001008501.1	ZFP760	0.338928297
ILMN_1232175	NM_145409.1	CHTF18	0.338873154
ILMN_2766580	NM_010926.4	COX4NB	0.338760972
ILMN_2981167	NM_008332.2	IFIT2	0.338607841
ILMN_2625125	NM_009987.2	CX3CR1	0.338545201
ILMN_2455390		2810402K13RIK	0.338324439
ILMN_2813454	NM_025384.3	DNAJC15	0.33830571
ILMN_2777471	NM_010398.1	H2-T23	0.338297644
ILMN_2801427	NM_027294.1	CMTM8	0.338257374
ILMN_1246911		4022450E19RIK	0.338173059
ILMN_2719811	NM_008479.1	LAG3	0.338164012
ILMN_2942353	NM_009138.1	CCL25	0.338115837
ILMN_1219244	NM_172760.2	ELMO3	0.338097557
ILMN_2844370	NM_173751.3	ILVBL	0.33790538
ILMN_2764019	NM_172591.2	FCHO2	0.337899468
ILMN_2977624	NM_009103.2	RRM1	0.337687757
ILMN_1230518	NM_021463.3	PRPS1	0.337621697
ILMN_1220256		A430083G20RIK	0.337607661
ILMN_2798213	NM_146231.1	ZFP825	0.337564642
ILMN_2888375	NM_026597.1	6230427J02RIK	0.337445757
ILMN_2647170	NM_023475.2	SERHL	0.337439758
ILMN_3150233	NM_001039581.1	ABCA3	0.337304892
ILMN_1243910	XM_909747.3	ZFP292	0.337239324
ILMN_2729008	NM_029557.1	TSEN54	0.337216733

ILMN_3010110	NM_024211.2	SLC25A11	0.336990563
ILMN_2519802		FADS2	0.336871096
ILMN_1237846	XR_034194.1	LOC100044087	0.336669443
ILMN_2743991	NM_178883.5	SCYL1BP1	0.336621965
ILMN_1239607	NM_138306.1	DGKZ	0.33661383
ILMN_1255010		MAP2K5	0.336533484
ILMN_2470039		D930001I22RIK	0.33651446
ILMN_2964841	NM_008905.1	PPFIBP2	0.336138868
ILMN_2591414	NM_025816.2	TAX1BP1	0.335899127
ILMN_1243170	NM_027873.2	UBIAD1	0.335768241
ILMN_2688383	NM_138747.1	NOL1	0.335631973
ILMN_1242310	NM_018883.2	CAMKK1	0.335629186
ILMN_2923048	NM_012046.1	SPO11	0.335622617
ILMN_2755544	NM_001039967.1	1200003I07RIK	0.335569684
ILMN_2729235	NM_175098.2	CCDC126	0.335547554
ILMN_2966722	NM_011738.1	YWHAH	0.335528411
ILMN_2628551	XM_001475154.1	LOC100045782	0.335506031
ILMN_3051392	NM_153053.3	SF3B4	0.335494442
ILMN_2701355	NM_178421.3	NANOS1	0.335466749
ILMN_1215651	NM_007671.2	CDKN2C	0.335400373
ILMN_1254136		D930009C14RIK	0.335352587
ILMN_2675433	NM_172339.2	SNAPC4	0.335111741
ILMN_3136355	NM_001081118.1	PHRF1	0.33507245
ILMN_1257328	XR_032025.1	LOC667269	0.335025937
ILMN_2620510	NM_011550.2	MLX	0.334888817
ILMN_2713071		FADS2	0.334490072
ILMN_1245850	NM_028963.2	4933427D14RIK	0.334394032
ILMN_2652187	NM_198602.2	CUX1	0.334197731
ILMN_2675152	NM_181403.2	VPS37C	0.334165166
ILMN_2695468	NM_028264.2	TMEM55A	0.334141772
ILMN_1230252		ARFGEF2	0.333845734
ILMN_2669461	NM_027444.2	BBX	0.333669852
ILMN_2812935	NM_133826.2	ATP6V1H	0.333616904
ILMN_1240153	NM_019562.1	UCHL5	0.333598654
ILMN_1234944	XM_001476198.1	CNGB1	0.333418732
ILMN_2650275	NM_028077.2	1810055G02RIK	0.333416885
ILMN_2800500	NM_028484.1	1700037C18RIK	0.33338242
ILMN_2646241	NM_207670.1	GRIPAP1	0.33320761
ILMN_2642012	XR_032589.1	LOC100046457	0.333195623
ILMN_1228385	NM_080553.2	ITPR3	0.333169482
ILMN_2650266	NM_177275.4	AMIGO3	0.333031845
ILMN_2790399	NM_133992.1	USP52	0.332994782
ILMN_1256102	XM_972667.1	LOC669001	0.332764307
ILMN_2674378	NM_153542.1	LRRC20	0.332678625
ILMN_1236958	NM_020590.4	GABARAPL1	0.33257622
ILMN_2752234	NM_133922.2	KRBA1	0.332418587

ILMN_2526711	XM_129620.2	LOC226758	0.33233493
ILMN_2600085	NM_011958.3	ORC4L	0.332058302
ILMN_1217567	NM_026068.2	MED31	0.332049995
ILMN_1222251	NM_028244.1	RRP1B	0.332043333
ILMN_2765452	NM_019919.2	LTBP1	0.331894575
ILMN_1257445	NM_001081326.1	AGL	0.331706126
ILMN_1216860		A430006M23RIK	0.331693815
ILMN_2433685	NM_007647.2	ENTPD5	0.331680338
ILMN_1226174		ENTPD4	0.331594072
ILMN_2725227	XR_031944.1	LOC100045737	0.331259035
ILMN_2728300	NM_148922.2	MDM1	0.33124401
ILMN_2498368	NM_001077265.1	HNRNPD	0.331129702
ILMN_1229702	NM_147201.2	NRBP1	0.331125789
ILMN_2486829		9030418K01RIK	0.331014793
ILMN_2954868	NM_011854.1	OASL2	0.330938701
ILMN_2605393	NM_008550.1	MAN2B2	0.330908554
ILMN_1227300	NM_009679.2	AP2M1	0.330881825
ILMN_2802168	NM_001013381.1	RSAD1	0.3308432
ILMN_2522884		9930105H17RIK	0.330838988
ILMN_1220624	NM_001081477.1	BRWD3	0.330808837
ILMN_2434200		ADAM11	0.330767362
ILMN_1221011	NM_173181.3	FAM164A	0.330687113
ILMN_3109491	NM_145836.1	6430527G18RIK	0.33048641
ILMN_2639900	NM_009996.2	CYP24A1	0.330418163
ILMN_2591156	NM_016671.2	IL27RA	0.330341655
ILMN_2648482	NM_026574.3	INO80	0.330196599
ILMN_1255423	NM_010331.2	GPAA1	0.330128204
ILMN_1242661	NM_008404.4	ITGB2	0.330007308
ILMN_2666347	NM_172538.4	VEZT	0.329922792
ILMN_2481117		1700052O22RIK	0.329807628
ILMN_2703061	NM_198619.2	2810408P10RIK	0.329742587
ILMN_2667909	NM_008180.1	GSS	0.329658465
ILMN_2524691		1190002N15RIK	0.329544364
ILMN_2952292	NM_025323.2	0610009D07RIK	0.329540142
ILMN_2841043	NM_175334.2	MAML1	0.329513355
ILMN_2436489	NM_019806.5	VAPB	0.329510387
ILMN_2574233		A630047J05RIK	0.329494054
ILMN_3059557	NM_010870.2	NAIP5	0.329233614
ILMN_2847332	NM_026524.2	MID1IP1	0.329225877
ILMN_2768209	NM_153557.1	BC029214	0.329004154
ILMN_1251663		BCL7C	0.328918428
ILMN_2956741	NM_025832.2	NARG1L	0.328897723
ILMN_2674936		SF3B5	0.328835332
ILMN_2604669	NM_001008785.3	KBTBD8	0.328670483
ILMN_1252204	NM_009156.2	SEPW1	0.328426613
ILMN_2783438	NM_133761.2	DCP1A	0.328393704

ILMN_2777284	NM_177333.3	EXOC3	0.328376488
ILMN_2851455	NM_001007581.1	2810408M09RIK	0.328171043
ILMN_1224222	NM_133837.4	CDC123	0.327805582
ILMN_1230426	XM_354575.1	LOC380670	0.327732649
ILMN_2961179	NM_018783.4	TFIP11	0.327607834
ILMN_3089660	NM_133194.3	SCML2	0.327598358
ILMN_3005669	NM_177327.3	WWP1	0.327578937
ILMN_2724235	NM_011586.2	MYO18A	0.327467119
ILMN_2718189	NM_023543.1	CHN2	0.327352528
ILMN_2605666	NM_010685.2	LAMP2	0.327330382
ILMN_2695149		SMC5L1	0.327324369
ILMN_2603662	NM_172691.2	B230312A22RIK	0.327190797
ILMN_3152079	NM_008767.2	SLC22A18	0.327011171
ILMN_1242687	NM_026247.1	ALG13	0.327007329
ILMN_2948014	NM_001013793.1	AA388235	0.326970848
ILMN_1259418	NM_153779.1	AIFM2	0.326955686
ILMN_1252364	NM_011046.2	FURIN	0.32685032
ILMN_1230397		A630064P09RIK	0.326531732
ILMN_1213455		RBM14	0.326501031
ILMN_2664327	NM_001042420.1	CABYR	0.326480799
ILMN_1234692	NM_026185.4	1300007F04RIK	0.326460776
ILMN_1223343	NM_144533.2	NMNAT3	0.32645935
ILMN_2796869	NM_019441.2	PPT2	0.326309822
ILMN_2768285	NM_175175.3	PLEKHF2	0.326286407
ILMN_1238777	NM_008890.1	PNMT	0.326253743
ILMN_2759933	NM_010304.3	GNA15	0.326186634
ILMN_2551744		TSGA14	0.326177917
ILMN_1245341		9430084D13RIK	0.325999682
ILMN_2937674	NM_198671.1	GSE1	0.325911705
ILMN_2721799	NM_023231.2	STOML2	0.325827577
ILMN_1240938		AW212394	0.325650552
ILMN_2690506	NM_146216.2	VAC14	0.325551703
ILMN_2682103	NM_001005507.1	SMG7	0.325448742
ILMN_3160568	NM_001033198.2	ANKRD50	0.325433916
ILMN_2734283	NM_178696.3	SLC25A44	0.325295705
ILMN_2619380	NM_030729.4	NCKIPSD	0.325129031
ILMN_1237664	NM_133858.3	4930504E06RIK	0.325000197
ILMN_2751332	NM_001039081.1	MIER1	0.324995923
ILMN_2627557	NM_144517.3	TBC1D19	0.324905829
ILMN_2416424	NM_146099.2	D19WSU162E	0.324835017
ILMN_2513778	NM_145439.1	TMC6	0.324519535
ILMN_2813524	NM_146183.1	ZFP428	0.324138307
ILMN_2668536	NM_172698.2	4732418C07RIK	0.324074663
ILMN_2879876	NM_026254.2	TBC1D23	0.323955943
ILMN_2621812	NM_031189.1	MYOG	0.323883945
ILMN_1244036	XM_907249.2	ZMYND17	0.323745514

ILMN_1213947	NM_172685.3	SLC25A24	0.323743175
ILMN_2867013	NM_145483.1	ZFP160	0.32371946
ILMN_3146362	NM_177700.3	ATMIN	0.323630654
ILMN_2617441	NM_027886.2	STK11IP	0.323599298
ILMN_2846254	NM_023217.2	PGPEP1	0.323580353
ILMN_1228048	NM_172754.2	AI449175	0.323552429
ILMN_3160416	NM_028372.1	2900024O10RIK	0.323524386
ILMN_2641013	NM_030557.2	MYNN	0.323501532
ILMN_2756678	XR_004916.1	LOC676389	0.323397589
ILMN_2774572		CRYGN	0.323295547
ILMN_2645780	NM_027950.1	OSGIN1	0.323293351
ILMN_2791811	NM_173347.2	PRUNE	0.323284645
ILMN_2652056	NM_001014996.1	CENPJ	0.323280445
ILMN_2418957		5930418K15RIK	0.323162275
ILMN_1224658	NM_016962.1	SPAST	0.323038405
ILMN_1217262	NM_024231.2	ZFPL1	0.322997803
ILMN_1251371	NM_001013022.1	2010001J22RIK	0.322972591
ILMN_2737840	NM_009325.3	TBXA2R	0.322915789
ILMN_2566822		A230067E15RIK	0.322843329
ILMN_2907499	NM_001033463.1	TATDN2	0.322802032
ILMN_1249999	NM_023645.2	KDELC1	0.32266278
ILMN_2742145	NM_175214.3	KIF27	0.322633499
ILMN_2933228	NM_145353.1	YIPF3	0.322622448
ILMN_1215039	NM_028634.3	CBY1	0.322589043
ILMN_2876560	NM_153580.1	INO80E	0.322360038
ILMN_1232295		SORT1	0.322311135
ILMN_2747754	NM_153781.1	PYGB	0.322299093
ILMN_3114339	NM_001002792.1	C230029F24RIK	0.322273857
ILMN_1213572	XR_033559.1	4931440L10RIK	0.322051231
ILMN_1239860	NM_026958.2	1810035L17RIK	0.322029667
ILMN_2646438	NM_199011.1	DGKQ	0.321959942
ILMN_3137432	NM_133852.2	GOLGA2	0.321832896
ILMN_1244409	NM_153582.4	CMTM4	0.321799779
ILMN_1243812	NM_031256.2	PLEKHA3	0.321547241
ILMN_2652385	NM_054078.2	BAZ2A	0.321474488
ILMN_2489405		D1ERTD396E	0.32145972
ILMN_3008230	NM_172297.1	CCDC9	0.321440256
ILMN_2956881	NM_009358.2	PPP2R5D	0.321439443
ILMN_1214353	NM_013562.1	IFRD1	0.321403466
ILMN_2702997	NM_026909.1	THAP7	0.321288549
ILMN_2683138	NM_134034.1	SMEK2	0.321227634
ILMN_2754569	NM_001081429.1	CCDC15	0.321189905
ILMN_2786164	NM_146124.2	ARHGAP1	0.321169616
ILMN_2973824	NM_011797.1	CAR14	0.320761097
ILMN_2657432	NM_173013.2	MTAP1S	0.320606583
ILMN_2417174		UBE2H	0.320515345

ILMN_2773624	NM_010421.4	HEXA	0.320344256
ILMN_3146018	NM_001048179.1	CCL27	0.32026918
ILMN_2709392	NM_001081065.1	ZFP707	0.320264762
ILMN_2657421	NM_199446.1	PHKB	0.320123861
ILMN_2769285	XM_001004114.1	SEMA6B	0.320018029
ILMN_2430275	NM_145931.1	ZC3H7A	0.319887524
ILMN_1227579	NM_025590.3	ACOT11	0.319876991
ILMN_2828687	NM_001003913.1	MARS	0.319810715
ILMN_1217000	NM_023524.1	TFPT	0.319765111
ILMN_2451578	NM_028063.2	TRMU	0.319723285
ILMN_2620061	NM_025548.1	TBCB	0.319656219
ILMN_2652645	NM_008143.3	GNB2L1	0.319586041
ILMN_1253819	NM_011158.3	PRKAR2B	0.319540596
ILMN_2809436	NM_025666.1	5730410I19RIK	0.319521321
ILMN_2616786	NM_145396.4	TBL3	0.319418766
ILMN_2660864	NM_026448.2	KLHL7	0.319418739
ILMN_2854858	NM_009547.2	ZFP161	0.319350652
ILMN_1231066	NM_178214.3	HIST2H2BE	0.319337596
ILMN_1260440		SNX13	0.31928454
ILMN_1231520	NM_022017.1	TRPV4	0.319257205
ILMN_2684855	NM_001037741.2	GPX4	0.31918477
ILMN_2821460	NM_011206.2	PTPN18	0.319173079
ILMN_2674544	XM_140052.3	1700061G19RIK	0.318996906
ILMN_1236303	NM_198606.1	WDSOF1	0.318949965
ILMN_1235196	NM_153389.2	ATP10D	0.318743727
ILMN_1255201	NM_010049.3	DHFR	0.318709785
ILMN_1213362	XM_983525.1	EG666387	0.318627081
ILMN_1219510	XM_355167.1	LOC381230	0.318614795
ILMN_2612448	NM_133957.2	NFAT5	0.318600854
ILMN_2651076	NM_025858.1	SCOTIN	0.318555688
ILMN_2748537	NM_019709.3	MBTPS1	0.318374906
ILMN_2596522	NM_013602.2	MT1	0.318354978
ILMN_1234685	NM_199009.1	FAM160A2	0.318240121
ILMN_1238289	NM_016979.1	PRKX	0.318055391
ILMN_1231381	NM_146520.2	OLFR536	0.318043655
ILMN_1225086	NM_026712.2	ZFP414	0.318013066
ILMN_1220365		INVS	0.317867979
ILMN_3097950	NM_023046.4	ASB1	0.317621201
ILMN_2927638	NM_024263.3	MXRA8	0.317617396
ILMN_1239523		2010015P12RIK	0.317607595
ILMN_2533840	XM_137196.3	LOC237408	0.317598966
ILMN_2753096	NM_148926.2	ZFAND3	0.317551719
ILMN_1247616	NM_001081423.1	TTLL5	0.317529387
ILMN_1231228	NM_009067.3	RALBP1	0.317414248
ILMN_2512986	NM_177319.2	ZFYVE27	0.317366261
ILMN_1229670		2810012D02RIK	0.317269657

ILMN_1240864	NM_020557.3	TYKI	0.317223344
ILMN_1243451	NM_001042489.1	HVCN1	0.317072456
ILMN_2861469	NM_011370.1	CYFIP1	0.317060707
ILMN_2444626		SAP18	0.316919904
ILMN_2965066	NM_026101.2	HERC4	0.316916442
ILMN_2734045	NM_026732.2	MRPL14	0.316880432
ILMN_1254987	NM_175341.4	MBNL2	0.316869161
ILMN_3158135	NM_013662.1	SEMA6B	0.316798618
ILMN_2948800	NM_028377.1	2900006K08RIK	0.316734375
ILMN_1224713	NM_172723.4	ADAP1	0.316465961
ILMN_2792047	NM_133694.1	FBXL15	0.316460625
ILMN_2628271	XR_032154.1	LOC100045967	0.316374857
ILMN_2734549	NM_013911.2	FBXL12	0.316344341
ILMN_2719460	NM_198020.1	TRMT1	0.316266856
ILMN_2606973		AV028368	0.316234716
ILMN_1237148	NM_013720.1	MGA	0.316212429
ILMN_2783500	NM_153804.3	PLEKHG3	0.316147159
ILMN_2684494	NM_023130.2	RALY	0.316100163
ILMN_2989871	NM_175031.3	STK36	0.316025888
ILMN_1244753	NM_025289.2	TBRG1	0.315982873
ILMN_2962273	NM_008020.2	FKBP2	0.31594877
ILMN_2457835		SIN3B	0.315799627
ILMN_2772930		GFI1B	0.315792591
ILMN_2805697	NM_026437.1	1810055E12RIK	0.315683283
ILMN_2589686	NM_001081462.1	GTF2IRD1	0.315635086
ILMN_2508910		TPST2	0.315454901
ILMN_2954265	NM_019713.3	RASSF1	0.315345448
ILMN_1252845	NM_009085.2	POLR1C	0.315335874
ILMN_1242533	NM_020493.2	SRF	0.315332505
ILMN_1223251		TERF2	0.315274304
ILMN_1224915		A930006A19RIK	0.315158817
ILMN_2877909	NM_178246.3	SMG5	0.314853566
ILMN_2911283	NM_198613.1	AP2S1	0.314660521
ILMN_1226186	NM_007465.1	BIRC2	0.314614828
ILMN_2784144	NM_011242.1	RASGRP2	0.314481609
ILMN_2957161	NM_026796.1	SMYD2	0.314452273
ILMN_2786070	NM_148928.1	GTF3C5	0.314442737
ILMN_1254640		4932441N08RIK	0.314362149
ILMN_2801404	NM_007713.3	CLK3	0.314281062
ILMN_2697693	NM_080289.1	GRHPR	0.314237261
ILMN_2531368	XM_355106.1	LOC381180	0.314137774
ILMN_2626432	NM_001081981.1	NFIX	0.314069414
ILMN_1231053	NM_013549.1	HIST2H2AA1	0.31395025
ILMN_1235442		6430403C09RIK	0.313928394
ILMN_3045269	NM_001006677.1	KCNQ2	0.313876253
ILMN_2701271	NM_011636.1	PLSCR1	0.313716192

ILMN_2847269	NM_026388.2	TPRGL	0.313699739
ILMN_1229684	NM_001081226.1	2310009B15RIK	0.313680704
ILMN_2629446	NM_144806.1	PRPSAP2	0.313668183
ILMN_2561029		9930033H14RIK	0.313562159
ILMN_2666108	NM_023672.2	SSBP3	0.313548116
ILMN_1229216	NM_001033324.2	ZBTB16	0.313516584
ILMN_2623735	NM_172404.2	CCBL1	0.313497228
ILMN_1253601	NM_030210.1	AACS	0.313330605
ILMN_1249586	NM_031165.4	HSPA8	0.313286667
ILMN_2632519	XM_001479840.1	WDR90	0.313269987
ILMN_2686320	NM_153158.3	E130308A19RIK	0.313079324
ILMN_2711461	NM_011577.1	TGFB1	0.312774253
ILMN_1212894	NM_009806.2	CASK	0.312736345
ILMN_1212975	NM_133734.2	WDR23	0.312619611
ILMN_2737959	NM_183034.1	PLEKHM1	0.312498736
ILMN_2735625	NM_133947.2	NUMA1	0.312431233
ILMN_2616709	NM_022656.2	NISCH	0.312392557
ILMN_2419185	NM_011656.2	TUFT1	0.312388712
ILMN_1222497	NM_172677.2	YTHDF3	0.312349666
ILMN_2890574	NM_001002929.3	NUP85	0.312337645
ILMN_2622200	NM_177622.3	ZFP595	0.312286022
ILMN_2984434	NM_145431.1	NLE1	0.312257074
ILMN_1247327	NM_001098837.1	ATXN7L3	0.312242664
ILMN_1229827	NM_001083315.1	ST7	0.312155218
ILMN_2523427		2010003O02RIK	0.312049704
ILMN_2664077	NM_172674.2	PHF20	0.311762338
ILMN_1234315	XR_003545.1	LOC545396	0.31172805
ILMN_3096335	NM_178220.3	ARRB1	0.31169464
ILMN_2592187	NM_177312.2	6330408A02RIK	0.311694528
ILMN_2630730	NM_026175.4	SF3A1	0.311693225
ILMN_2693850	NM_011236.1	RAD52	0.311679187
ILMN_2752966	NM_021297.2	TLR4	0.311641596
ILMN_2983565	NM_001013577.1	1110054O05RIK	0.311637762
ILMN_1225594	NM_198001.1	1110008P14RIK	0.311610558
ILMN_1259535	XM_900750.2	2210015D19RIK	0.311539868
ILMN_1259781	XM_922989.2	A430041B07RIK	0.311347382
ILMN_1236354		E130302P19RIK	0.311330116
ILMN_1220897	NM_134233.1	V1RG11	0.311250455
ILMN_2915166	NM_023547.1	INO80B	0.311225111
ILMN_3162180	NM_001001180.2	BC066028	0.31119333
ILMN_2426691		MT-CO2	0.311186634
ILMN_2453620	NM_025985.4	UBE2G1	0.311118119
ILMN_2500997	NM_023140.4	GLRX3	0.31107554
ILMN_1256203	NM_145993.2	L3MBTL2	0.311045142
ILMN_1238838	XR_031422.1	LOC100045005	0.311035789
ILMN_2684732	NM_144802.3	HNRPLL	0.310889156

ILMN_1233911		A830021K08RIK	0.31084845
ILMN_2616309	NM_145925.2	PTTG1IP	0.310774799
ILMN_2631558	NM_025959.3	PSMC6	0.310728719
ILMN_2933618	NM_027189.1	GEMIN7	0.310645535
ILMN_2615015	NM_133198.1	PYGL	0.310634358
ILMN_2876712	NM_133922.2	KRBA1	0.310631646
ILMN_2771326	NM_016843.3	ATXN10	0.310603707
ILMN_1224802	NM_023128.2	PALM	0.310570033
ILMN_2619707	NM_175316.3	SLCO2B1	0.310323929
ILMN_2489694		TADA3L	0.31025159
ILMN_1215807	NM_028608.2	GLIPR1	0.310212003
ILMN_1248771	NM_011484.2	STAM	0.310179898
ILMN_2681186	NM_144875.1	RAB7L1	0.310139678
ILMN_3158499	NM_001012336.1	MDK	0.309988541
ILMN_2489360	NM_027959.3	PDIA6	0.309956584
ILMN_2563847		AZI2	0.309904227
ILMN_3161480	NM_139309.4	FKTN	0.309656201
ILMN_2703099	NM_024267.6	IPO4	0.309634397
ILMN_1237230	NM_010048.2	DGCR2	0.30940129
ILMN_2726595	NM_175558.3	ZFP446	0.30936495
ILMN_1221274	NM_026405.3	RAB32	0.309127573
ILMN_2489210		ACTR1B	0.309064427
ILMN_3078499	NM_058214.2	RECQL4	0.309002014
ILMN_2782841	NM_178418.2	BC050811	0.308948525
ILMN_1245489	NM_028014.3	2310067B10RIK	0.308900017
ILMN_2646456	NM_133242.1	RNPC2	0.308702817
ILMN_2596961	NM_144888.1	D430028G21RIK	0.308628478
ILMN_1218051	NM_027711.1	IQGAP2	0.308285787
ILMN_3079442	NM_198861.1	BC046404	0.308254196
ILMN_2722769	NM_029512.2	TTPAL	0.308198281
ILMN_2914295	NM_026938.1	TMEM160	0.307756024
ILMN_2443014	NM_145853.2	TPCN1	0.307693617
ILMN_1256328	NM_011597.2	TJP2	0.307656526
ILMN_2793442	NM_138744.2	SSX2IP	0.307494094
ILMN_1237431		D330050H21RIK	0.307426153
ILMN_2808186	NM_053266.1	GTF2IRD2	0.307425569
ILMN_2602204	NM_001081229.1	TSC22D2	0.3073978
ILMN_1222185	XM_001476689.1	LOC100041613	0.307394899
ILMN_2874270	NM_010451.1	HOXA2	0.307280173
ILMN_1255559	NM_001081247.1	POLR3A	0.307274182
ILMN_1241976	NM_133835.1	UBAC1	0.307249743
ILMN_2806159	NM_021278.2	TMSB4X	0.307223956
ILMN_3129372	NM_029813.2	2210418O10RIK	0.307066108
ILMN_2814333	NM_010709.1	LGTN	0.306939058
ILMN_3162332	NM_177346.4	GPR149	0.306827145
ILMN_2452440	NM_013827.2	MTF2	0.306797993

ILMN_1218324	XM_001477831.1	EG382161	0.306696127
ILMN_1217075	XM_125817.6	BBS10	0.306685513
ILMN_2435822	NM_181820.2	TMC4	0.306573336
ILMN_1247397	NM_199008.2	COX11	0.30653025
ILMN_2944576	NM_145488.1	PEX6	0.306527502
ILMN_2777744		HABP4	0.306289248
ILMN_1247870	NM_001083118.1	TERF2	0.306120204
ILMN_2742667	NM_052993.2	C1GALT1	0.306055952
ILMN_2852672	NM_020286.2	TSPAN32	0.305895117
ILMN_2931779	NM_025793.1	WDR45L	0.305874745
ILMN_2670713	NM_133769.2	CYFIP2	0.305770544
ILMN_2691567	NM_026601.1	HYI	0.305570711
ILMN_2834916	NM_011396.2	SLC22A5	0.305359861
ILMN_2592266	NM_025861.2	PQLC1	0.305316725
ILMN_3154222	NM_011791.2	ASH2L	0.305294903
ILMN_2837396	NM_001005788.2	ZFP69	0.3050686
ILMN_2501489	NM_009515.1	WAS	0.305013948
ILMN_2828512	NM_172698.2	4732418C07RIK	0.304912063
ILMN_2645368	NM_028543.3	1700065O13RIK	0.30486057
ILMN_2908735	NM_008749.1	NUCB1	0.304756054
ILMN_1237530	XM_981774.2	VPS13B	0.304735139
ILMN_1243835		2310020N23RIK	0.304560627
ILMN_1240892	NM_146081.1	PPP4R1	0.304319427
ILMN_2777598	NM_010150.2	NR2F6	0.304034106
ILMN_1250939	NM_026792.3	AGPAT5	0.303915352
ILMN_1247991	NM_027186.1	RPAIN	0.303847362
ILMN_1223102	NM_172607.3	NAPRT1	0.303745952
ILMN_1213053	NM_027462.4	WARS2	0.303305496
ILMN_2611676	NM_139144.2	OGT	0.303275549
ILMN_2801790	NM_026885.1	CHMP2A	0.303245677
ILMN_1224079	NM_011716.2	WFS1	0.302938557
ILMN_1230192	XM_001475994.1	LOC100046298	0.30291268
ILMN_2709787	NM_177185.3	D130059P03RIK	0.302804607
ILMN_2610127	NM_018739.1	RP9	0.302439402
ILMN_1241001	NM_012011.1	EIF2S3Y	0.302432424
ILMN_1214830		ATP5K	0.302225014
ILMN_2775660		MYL6	0.302183019
ILMN_2914456	NM_144920.3	PLEKHA5	0.302174857
ILMN_2822053	NM_009294.2	STX4A	0.302157453
ILMN_2423372		2310014D11RIK	0.302046309
ILMN_2731989	NM_010162.2	EXT1	0.302021711
ILMN_2942499	NM_148930.2	RBM5	0.301935728
ILMN_2650683	NM_172605.2	TDRD3	0.301907373
ILMN_2963754	NM_145557.1	9430015G10RIK	0.301816178
ILMN_2620365	NM_175016.2	ALKBH2	0.301686532
ILMN_1219939	NM_145491.2	RHOQ	0.301672771

ILMN_2791746	NM_011182.2	PSCD3	0.301556022
ILMN_1247099	NM_178029.3	SETD1A	0.301488652
ILMN_1258136	NM_176841.3	CCDC88A	0.301361899
ILMN_1235494	NM_025439.2	TMEM9	0.301231368
ILMN_2722353	NM_029786.1	POMGNT1	0.301230136
ILMN_1258732	NM_021351.1	CRYBA4	0.301134901
ILMN_1217485	NM_173402.1	RGS12	0.300959235
ILMN_2981896	NM_025464.2	TMEM218	0.30084329
ILMN_1217032		D230048P18RIK	0.300828972
ILMN_2651831	XM_290098.1	2310039L15RIK	0.300598382
ILMN_3032088	NM_172899.2	DMKN	0.300530184
ILMN_2589312	NM_026174.2	ENTPD4	0.300258171
ILMN_2506907	XM_620495.3	SAAL1	0.300114025
ILMN_2935898	NM_019760.1	SERINC1	0.300019972
ILMN_2848354	NM_177362.2	ZFP771	0.299973974
ILMN_1214706		C430014G13RIK	0.299963843
ILMN_1255776	NM_144832.1	BC017643	0.299667909
ILMN_2612904	NM_001024136.1	ANKS6	0.29963257
ILMN_2837779	NM_011706.1	TRPV2	0.299594223
ILMN_2669460	NM_145938.3	RPP40	0.299584389
ILMN_2867158	NM_028426.1	3110007F17RIK	0.299572266
ILMN_1254333	NM_016813.2	NXF1	0.299496216
ILMN_2769393	NM_145124.2	MIB2	0.299382379
ILMN_2534253	XM_126291.5	LOC216963	0.29937892
ILMN_1255086		2810454F19RIK	0.299344471
ILMN_1236232	NM_207223.1	ACAP3	0.299322197
ILMN_1244086		IMPA2	0.299209054
ILMN_2477729		2310040B03RIK	0.299133363
ILMN_2981935	NM_133227.2	NUP155	0.299030081
ILMN_3071907	NM_008705.4	NME2	0.298700718
ILMN_2705689	NM_028758.2	GGA2	0.298669292
ILMN_2976519	NM_011810.2	FAIM	0.298584635
ILMN_2518946	NM_024479.2	WBSCR27	0.298514296
ILMN_2592748	XM_001477657.1	BC059842	0.298413119
ILMN_2644025	NM_010438.2	HK1	0.298371494
ILMN_2438338		ITPKB	0.298271281
ILMN_1232861	NM_008515.3	LRRFIP1	0.298261077
ILMN_3142193	NM_153121.1	LYSMD1	0.298056603
ILMN_1222066	XM_984943.1	GLS	0.297862218
ILMN_1226183	NM_054041.2	ANTXR1	0.297673329
ILMN_2971314	NM_027903.1	DHDH	0.29762521
ILMN_2692454	NM_021501.3	PIAS4	0.297624779
ILMN_2479585	NM_145547.1	ZFP189	0.297551165
ILMN_2785558	NM_172462.4	ZFP11	0.297498488
ILMN_2842137	NM_010562.1	ILK	0.297411983
ILMN_1235310	NM_199145.1	3110062M04RIK	0.2973008

ILMN_2686745	NM_173402.1	RGS12	0.297298832
ILMN_1250924	NM_028484.2	1700037C18RIK	0.297258084
ILMN_1256179		TXN2-PENDING	0.297198812
ILMN_2590010	NM_033523.4	SPRED2	0.297189772
ILMN_1243695	NM_001081077.1	CWF19L1	0.297187058
ILMN_1239178	NM_025890.2	2410004A20RIK	0.297137836
ILMN_1218323	XM_922598.2	SBF1	0.297113595
ILMN_2939012	NM_001081005.1	1500012F01RIK	0.297012672
ILMN_2662097	NM_198163.1	RAB35	0.296878171
ILMN_2617552	NM_001004155.1	9930012K11RIK	0.296832962
ILMN_2978009	NM_001024917.1	N4BP2	0.296700463
ILMN_2911855	NM_001014976.1	ESPL1	0.296684618
ILMN_2855423	NM_054093.2	UBE3B	0.29665356
ILMN_2999167	NM_145443.1	L2HGDH	0.296539941
ILMN_2866901	NM_021474.2	EFEMP2	0.296468069
ILMN_2757092	NM_025798.3	HINT3	0.29643476
ILMN_3163134	NM_019665.2	ARL6	0.296380691
ILMN_1227573	NM_016850.2	IRF7	0.296235624
ILMN_2575417		A430023D23RIK	0.296185055
ILMN_2862465	NM_031871.1	GHDC	0.296125336
ILMN_1236424		CASP3	0.296019577
ILMN_1221828	NM_212438.1	WIZ	0.295960421
ILMN_1224268	NM_025544.2	MRPS15	0.295709984
ILMN_2845208	NM_028233.1	LRPPRC	0.295610236
ILMN_3143304	NM_198607.1	4930572J05RIK	0.295567185
ILMN_2690396	NM_026012.2	NRADD	0.295535559
ILMN_1221986		GCAP3	0.295418797
ILMN_2564003		SH3D4	0.295363303
ILMN_2774803	NM_172562.3	TADA2L	0.295351109
ILMN_2699624	NM_023197.1	2310008H09RIK	0.295328038
ILMN_2782503	NM_053100.1	TRIM8	0.29532302
ILMN_2722678	NM_013535.1	GRCC10	0.295246824
ILMN_1222560	XM_977299.1	SRGAP2	0.295233162
ILMN_1241383		SCRN1	0.295145804
ILMN_2692853	NM_145472.1	C030006K11RIK	0.295110436
ILMN_2446727		DDHD1	0.295063303
ILMN_2660110	NM_018758.1	APBA3	0.294857729
ILMN_2978533	NM_026485.2	TRABD	0.294753279
ILMN_3162133	NM_001033145.2	1190002N15RIK	0.294732638
ILMN_2582841		D630024O11RIK	0.294598117
ILMN_1212941	NM_198613.1	AP2S1	0.294563469
ILMN_2598420	XM_619423.4	RBM16	0.294499493
ILMN_2470407	NM_022409.1	ZFP296	0.294388851
ILMN_2940118	NM_134212.1	V1RH3	0.294144584
ILMN_2671794	NM_153793.1	RELL2	0.294045283
ILMN_2755519	NM_025317.2	MRPL54	0.293807982

ILMN_2692141	NM_010067.3	TRDMT1	0.293803711
ILMN_1251273	NM_026164.2	PNPLA8	0.293791801
ILMN_2525034	XM_123485.1	CC1	0.293760754
ILMN_2638958	NM_009786.1	CACYBP	0.293732322
ILMN_2676243	NM_178194.3	HIST1H2BE	0.293668758
ILMN_2832886	NM_172291.1	FOXRED1	0.293554987
ILMN_1214975	NM_146137.2	AMIGO1	0.293424564
ILMN_2613731		4932415G12RIK	0.293400476
ILMN_2971204	NM_175337.1	MLH3	0.293377719
ILMN_3161518	NM_021434.4	GPR180	0.293316378
ILMN_2686571	NM_008948.1	PSMC3	0.29320829
ILMN_1239092	NM_018855.1	GAS8	0.293016055
ILMN_3147724	NM_147151.1	EHMT2	0.292937918
ILMN_2960982	NM_011068.1	PEX11A	0.292920893
ILMN_2924041	NM_015761.1	DOS	0.292889288
ILMN_2836885	NM_010462.2	HOXC10	0.292859986
ILMN_2701779	NM_145988.1	1700108L22RIK	0.292787542
ILMN_1234796		HSD17B12	0.292770503
ILMN_1246390	XM_001475083.1	LOC100045882	0.292554714
ILMN_2632257	NR_003619.1	6330549D23RIK	0.292433964
ILMN_2619639	NM_153577.2	AI428936	0.292326726
ILMN_2708415	NM_019750.3	NAT6	0.292273553
ILMN_2772686	XM_128511.3	SCL0001647.1_23	0.292254218
ILMN_2579927		9130020G22RIK	0.292209578
ILMN_2619718	NM_144820.3	CCDC28A	0.292156652
ILMN_2896229	NM_027248.1	ZFP219	0.292154539
ILMN_2840818	NM_025647.2	CMPK	0.292077647
ILMN_1221546		MKIAA0282	0.292059576
ILMN_3035795	NM_027326.3	MLLT3	0.292059266
ILMN_2729718	NM_011192.3	PSME3	0.292010189
ILMN_1233340	NM_175464.2	PKP4	0.291835409
ILMN_1220593	NM_153562.3	BC023814	0.291823519
ILMN_2423617		ELAC1	0.291819556
ILMN_2746947	NM_010266.2	GDA	0.29178244
ILMN_1258526	NM_011150.2	LGALS3BP	0.291690571
ILMN_1253958	XM_905111.2	EG237361	0.291678884
ILMN_2656631	NM_001081468.1	GTF2IRD1	0.291651192
ILMN_2649408	NM_016761.1	KIFC1	0.291619859
ILMN_2800675	NM_026846.1	ZFAND2B	0.291586349
ILMN_2730535		STX17	0.291323754
ILMN_2725035	NM_026598.2	EBPL	0.291201731
ILMN_2684874	NM_019502.2	FXC1	0.29117135
ILMN_2998230	NM_016722.2	GALNS	0.291164698
ILMN_3006451	NM_010589.3	JAK3	0.290919247
ILMN_1216987	NM_007379.2	ABCA2	0.290679795
ILMN_2534518	XM_137878.4	LOC217240	0.290679666

ILMN_1252526	NM_178375.2	ZSWIM3	0.290600643
ILMN_2639189	NM_026158.2	ISOC2B	0.29044434
ILMN_2851005	NM_021303.2	NOC2L	0.290413999
ILMN_2430051		2210037E17RIK	0.29037889
ILMN_1237356	XM_356263.1	LOC382163	0.290368002
ILMN_1232671		C130078A06RIK	0.2902113
ILMN_1225654	XM_001476786.1	LOC100046775	0.29018433
ILMN_3100688	NM_001044697.1	ZFP2	0.290176976
ILMN_2755021	NM_007692.5	CHKB	0.289882705
ILMN_2690122	NM_011977.2	SLC27A1	0.289657219
ILMN_1217815	NM_023116.3	CACNB2	0.289585867
ILMN_2441326		ZFP260	0.289502237
ILMN_1220680		LPIN2	0.289445412
ILMN_2519780		FIN14	0.289309477
ILMN_3154849	NM_011802.2	CLPX	0.289296769
ILMN_3002745	NM_178600.2	VKORC1	0.289185473
ILMN_2688176	XM_140553.3	BC046418	0.289171291
ILMN_1247893		CGEF2-PENDING	0.289166971
ILMN_2755667		APBB1IP	0.289087683
ILMN_1228453	NM_001081024.1	SETDB2	0.289048944
ILMN_2811705	NM_015792.1	FBXO18	0.288975397
ILMN_2615766	NM_008363.2	IRAK1	0.288908151
ILMN_1222184	NM_173186.3	TBC1D24	0.288766473
ILMN_1234165	NM_029465.2	CLEC4G	0.288719472
ILMN_2729708	NM_172587.2	CDC14B	0.288593276
ILMN_2477276		4833426J09RIK	0.288500646
ILMN_2644920	NM_024413.1	PLEKHF1	0.288420529
ILMN_2839479	NM_010102.1	S1PR4	0.288382899
ILMN_2515217		4432406C05RIK	0.288319644
ILMN_2586607		4833438J18RIK	0.288260985
ILMN_1225080	NM_144912.3	RAD9B	0.288075238
ILMN_3162618	NM_028190.2	LUC7L	0.288058896
ILMN_1229091	XM_001478949.1	LOC100047427	0.288055633
ILMN_1217403	NM_030074.2	ZFP687	0.287517634
ILMN_2550794		D330022O09RIK	0.28703115
ILMN_2445666		C030033M12RIK	0.28703069
ILMN_2659440	NM_026846.2	ZFAND2B	0.287017539
ILMN_2964608	NM_023740.1	ZDHHC16	0.286901471
ILMN_2638337		RBBP6	0.286776519
ILMN_2421119	NM_009418.2	TPP2	0.286763809
ILMN_2825905	NM_001033220.1	AU021092	0.286756577
ILMN_1218433	XM_125901.8	CAND1	0.286751758
ILMN_1259760		1810064L21RIK	0.286636163
ILMN_2910221	NM_146234.2	TMEM32	0.286494899
ILMN_3121784	NM_212473.1	A930008G19RIK	0.286448742
ILMN_2447100		D15MIT260	0.286445308

ILMN_2429215	NM_026698.2	TMEM129	0.286128662
ILMN_2700233	NM_007635.3	CCNG2	0.285932283
ILMN_2460043	NM_138631.1	TSSC4	0.285878266
ILMN_2431398	XM_001476904.1	2810001G20RIK	0.285828832
ILMN_2910684	NM_145387.2	ATHL1	0.285724686
ILMN_2822321	NM_025915.2	TMEM88	0.285595183
ILMN_2674712	NM_173189.2	MCPH1	0.285394799
ILMN_2795677	NM_001033457.1	GM1040	0.28534147
ILMN_3150296	NM_025988.2	ACBD4	0.285293631
ILMN_2824599	NM_028922.1	PPAPDC2	0.285226553
ILMN_1239775		CCNC	0.2851655
ILMN_2612369	NM_138659.2	PRPF8	0.285142325
ILMN_2525025	NM_207269.1	D330050I23RIK	0.285122232
ILMN_1238644	NM_183195.1	MARVELD1	0.285085166
ILMN_2607377	NM_008409.2	ITM2A	0.285078986
ILMN_3001452	NM_018788.2	EXTL3	0.284987783
ILMN_2720092	NM_198027.2	ALKBH6	0.284800254
ILMN_1223843		B930095G10RIK	0.284758393
ILMN_2536776	NM_001015681.1	E130308A19RIK	0.284730375
ILMN_1235400		4732474K08RIK	0.284633819
ILMN_1245461	NM_133992.2	USP52	0.28450647
ILMN_2736925	NM_029236.1	BCDIN3D	0.284495068
ILMN_2698361	NM_031405.1	ARS2	0.284493339
ILMN_1254950		1110020N13RIK	0.284470912
ILMN_2923707	NM_001040130.1	TMEM141	0.284346192
ILMN_2843782	NM_009419.2	TPST2	0.284327974
ILMN_2992009	NM_022654.1	LRDD	0.284206335
ILMN_2900025	NM_010887.1	NDUFS4	0.284206125
ILMN_2628828	NM_029834.3	PPP1R12C	0.284050911
ILMN_2946817	NR_002445.2	BC002163	0.28404488
ILMN_1221258		2900093K20RIK	0.283893072
ILMN_2941431	NM_027541.2	PRPF3	0.283852284
ILMN_2736221	XR_034510.1	LOC100048056	0.283812744
ILMN_2660551	NM_010689.2	LAT	0.283787934
ILMN_1223524	XM_920267.3	LOC239690	0.283786835
ILMN_2598478	NM_011430.2	SNCG	0.283597954
ILMN_1240854	XM_136166.3	LOC237234	0.283556558
ILMN_1240770	NM_134037.2	ACLY	0.283541057
ILMN_2673599	NM_021895.2	ACTN4	0.283493561
ILMN_1239677	NM_027360.2	2010107E04RIK	0.283322694
ILMN_2771182		H2-Q8	0.283313357
ILMN_1257694		CD8B	0.28325236
ILMN_2759058	NM_009543.1	RNF103	0.283132223
ILMN_1215717		NAP1L1	0.283019965
ILMN_3048492	NM_176839.1	ABCC5	0.283010757
ILMN_2650492	NM_026295.2	CTDP1	0.283003283

ILMN_3155274	NM_011668.2	UBE3A	0.282813839
ILMN_1233813	NM_009280.1	SS18	0.282635703
ILMN_2508945	NM_001017959.1	LAMP2	0.282325465
ILMN_1218128		2310079P03RIK	0.282242206
ILMN_1237264	NM_027925.3	TRSPAP1	0.281977981
ILMN_2743780	XM_150227.8	MSL2L1	0.281958185
ILMN_2681583	NM_028995.3	NPAL3	0.281944085
ILMN_2933834	NM_144860.2	MIB1	0.281900316
ILMN_2825848	NM_172499.1	MFSD9	0.281850292
ILMN_2709585	XM_132538.6	5830411G16RIK	0.281822767
ILMN_2690621	NM_133234.1	BBC3	0.281766059
ILMN_1245858	XM_887671.3	EG623230	0.281572121
ILMN_2681492	NM_025808.3	LZTR1	0.281563041
ILMN_2672698	NM_178045.3	RASSF4	0.281525522
ILMN_2697433	NM_172608.1	TMEM184B	0.281417069
ILMN_1232569		B230326O19RIK	0.281397909
ILMN_2625342	XM_001472856.1	LOC100044576	0.281251373
ILMN_2874853	NM_018796.2	EEF1B2	0.281184344
ILMN_3004386	NM_008056.2	FZD6	0.281022105
ILMN_2646878	NM_178645.3	BLMH	0.280897038
ILMN_1217309	NM_029564.2	TAX1BP3	0.280831917
ILMN_2518785		E230025E14RIK	0.280806911
ILMN_2617265	NM_146152.2	IPO13	0.280683049
ILMN_2978525	NM_181516.2	TAZ	0.280576176
ILMN_2432886	XM_001480068.1	LOC100043126	0.280573578
ILMN_2599110	NM_001013378.1	USPL1	0.280539029
ILMN_1230193	NM_019752.2	HTRA2	0.280442276
ILMN_2625654	NR_003618.1	MSL3L2	0.280276763
ILMN_2657728	NM_011503.2	STXBP2	0.280194259
ILMN_1231094	NM_027188.3	SMYD3	0.280148002
ILMN_3078349	NM_001004190.3	ZFP560	0.279902495
ILMN_2653575		DPH2L1	0.279895347
ILMN_1251519	NM_144824.1	BC021790	0.279752278
ILMN_1216020	NM_145226.2	OAS3	0.279561988
ILMN_2422169		MJ-5000-150_4562	0.279546421
ILMN_2599570	NM_175400.5	SEPHS1	0.279402109
ILMN_2750864		2210013O21RIK	0.279271089
ILMN_1259356	NM_133741.1	SNRK	0.279263279
ILMN_2757224	NM_025527.2	SRP19	0.279253194
ILMN_2601441	NM_172741.2	4931406P16RIK	0.279208325
ILMN_2943818	NM_010413.2	HDAC6	0.279015489
ILMN_2820831	NM_170671.1	MYCBPAP	0.27898449
ILMN_2643513	NM_012055.3	ASNS	0.278866689
ILMN_1223966	XM_359014.1	LOC385959	0.278659282
ILMN_2997382	NM_028832.1	MTERFD3	0.278531732
ILMN_2506757	XM_001480149.1	LOC100048280	0.278467841

ILMN_2528052	XM_358572.1	LOC381420	0.278340747
ILMN_2663367	NM_198933.2	POU2F1	0.278333342
ILMN_2700833	NM_177777.4	D11WSU47E	0.278186339
ILMN_2817714	NM_028841.1	TSPAN17	0.278099158
ILMN_2685958	NM_001081103.1	STIM2	0.277938997
ILMN_2881857	NM_018764.1	PCDH7	0.277906887
ILMN_2847950	NM_134149.1	AI837181	0.27789761
ILMN_2502798	NM_001009573.2	UNC13D	0.277727279
ILMN_2777104	NM_138589.2	UBFD1	0.277624852
ILMN_3161206	NM_001001130.2	ZFP85-RS1	0.277601111
ILMN_1252270	NM_001080977.1	RSBN1L	0.277398975
ILMN_2802952	NM_145618.3	NARG2	0.277364268
ILMN_1249943		6430530L21RIK	0.27720467
ILMN_2624938	NM_008556.1	PEA15	0.277198372
ILMN_2939990	NM_009319.1	TARBP2	0.277193934
ILMN_2550189		1700113I01RIK	0.276921071
ILMN_1254737	NM_133346.2	ASB6	0.276894902
ILMN_1225029	NM_153546.3	MBOAT1	0.276892069
ILMN_1228163	NM_013588.1	LRRC23	0.276861658
ILMN_1234955		6430573H23RIK	0.276782144
ILMN_2619836	NM_025966.3	2310039H08RIK	0.276704147
ILMN_2987294	NM_134091.1	SGSM3	0.27654567
ILMN_2651077	NM_026381.3	SCOTIN	0.276514191
ILMN_2989955	NM_009755.2	BMP1	0.276455781
ILMN_1228470	NM_020271.3	PDXP	0.276453026
ILMN_2876775	NM_028281.1	PCBD2	0.276398167
ILMN_1238562	NM_008743.1	NTHL1	0.276357408
ILMN_1255050	NM_178408.2	ARRDC1	0.276176715
ILMN_2655273	NM_198936.1	SLU7	0.276155754
ILMN_1232093	XM_359173.1	LOC386330	0.276025785
ILMN_2668387	NM_178647.2	CGGBP1	0.275972526
ILMN_2553916		4732462K23RIK	0.275768585
ILMN_1225712	NM_010490.2	IAP	0.275685079
ILMN_2895067	NM_001033275.1	GLT8D3	0.275670007
ILMN_2640453	NM_026464.2	WDR55	0.275659221
ILMN_1254549	NM_027446.2	5730409G15RIK	0.275647897
ILMN_1223447	NM_001024616.1	B230208H17RIK	0.275633823
ILMN_1253077	NM_012017.2	ZFP346	0.275611015
ILMN_2649937	NM_023312.2	NDUFA13	0.275388911
ILMN_1212902	NM_009003.2	RAB4A	0.275371296
ILMN_2632092	NM_181595.3	PPP1R9A	0.27532551
ILMN_2884869	NM_023884.2	RALGPS2	0.275293936
ILMN_1249278	NM_001012400.1	AU02252	0.275281526
ILMN_1250709	NM_025559.2	1810046J19RIK	0.275248181
ILMN_2975375	NM_026849.1	MTMR14	0.275245329
ILMN_1226639		BC006779	0.275174924

ILMN_2420465	XM_912161.3	ZFP703	0.275029383
ILMN_2826027	NM_180600.1	UBE2Q2	0.274978619
ILMN_2821014	NM_013897.1	TIMM8B	0.274950759
ILMN_1226800	NM_021893.2	CD274	0.274804211
ILMN_2938893	NM_016769.2	SMAD3	0.274692058
ILMN_2939185	NM_001001493.2	BC056474	0.274521029
ILMN_1250630	NM_026259.2	RNF41	0.274430678
ILMN_2613558	NM_028015.2	LASS5	0.274361527
ILMN_2863514	NM_147065.1	OLFR1390	0.274355219
ILMN_1230082	NM_030559.2	VPS16	0.274271016
ILMN_2739527	NM_025910.2	MINA	0.274178217
ILMN_2689025	XM_001478713.1	LOC100047707	0.274149816
ILMN_1255416	NM_010738.2	LY6A	0.274146701
ILMN_2417945	NM_009547.2	ZFP161	0.274146418
ILMN_2593859	XM_134059.2	PPAPDC1	0.2741002
ILMN_2680903	NM_183148.1	C79267	0.274032123
ILMN_2723524	NM_013769.2	TJP3	0.274024102
ILMN_1231996	NM_054051.1	PIP4K2B	0.273986325
ILMN_2698334	NM_178098.2	4930486L24RIK	0.273899082
ILMN_3150677	NM_011468.4	SPRR2A	0.273844645
ILMN_1246305	NM_012000.2	CLN8	0.273703145
ILMN_1216409	NM_001081005.1	1500012F01RIK	0.273658655
ILMN_2862338	NM_001033235.1	TRIM40	0.273564665
ILMN_2731228	NM_026005.2	2610301B20RIK	0.273469117
ILMN_1218325	XR_034614.1	LOC675228	0.273383598
ILMN_2531139	XM_288828.2	LOC332300	0.273357933
ILMN_2699635	NM_024287.3	RAB6	0.273336464
ILMN_2746086	NM_029564.2	TAX1BP3	0.27324051
ILMN_2604423	XM_914705.3	EG545216	0.273175898
ILMN_1223949	NM_009903.1	CLDN4	0.273093365
ILMN_2845039	NM_010123.2	EIF3S10	0.27301938
ILMN_3150159	NM_007830.3	DBI	0.27299232
ILMN_2568516		RBPMS	0.272990338
ILMN_2642147	NM_016768.1	PBX3	0.272989748
ILMN_2568269		A130099L09RIK	0.27294297
ILMN_1250278	NM_172713.2	SDAD1	0.272892515
ILMN_2435392		DNASE2A	0.272866625
ILMN_2972325	NM_023633.1	2410016O06RIK	0.272866157
ILMN_2972627	NM_025798.2	HINT3	0.27276659
ILMN_2780876	NM_207220.1	GPR137	0.272749442
ILMN_1233412	NM_007916.1	DDX19A	0.272643559
ILMN_2416701		A730004F22RIK	0.272241958
ILMN_3103439	NM_001026211.1	DNAJC19	0.27217453
ILMN_2604814	NM_023304.1	FGF22	0.272065675
ILMN_2925066	NM_023140.3	TXNL2	0.272024022
ILMN_1215233	NM_026198.1	TMEM167B	0.271892782

ILMN_2532099	XM_987385.1	EG333830	0.271839248
ILMN_2772288	NM_026866.2	DISP1	0.271651733
ILMN_1236648		A430073A17RIK	0.271463789
ILMN_2760088	NM_008759.1	OG9X	0.271444243
ILMN_2593872		MRPS15	0.271317411
ILMN_2703171	NM_009707.3	ARHGAP6	0.271286573
ILMN_2693815	NM_030880.1	PACSIN3	0.271205226
ILMN_3162476	NM_016906.4	SEC61A1	0.271203345
ILMN_3123341	NR_001570.1	XIST	0.271168192
ILMN_3154810	NM_011416.2	SMARCA2	0.271131203
ILMN_1243991	XM_917865.2	LOC433476	0.271085697
ILMN_1242500	NM_021536.6	RHOT1	0.27099082
ILMN_2713449	NM_028148.2	SFRS2IP	0.27094287
ILMN_1225370	NM_178909.4	WDR92	0.270859676
ILMN_2481071		HRAS1	0.270850712
ILMN_2962511	NM_028976.2	GORASP1	0.270838343
ILMN_2969435	NM_009206.1	SLC4A1AP	0.270794449
ILMN_2609809	NM_024171.1	SEC61B	0.270642711
ILMN_2806029	NM_011358.1	SFRS2	0.270515726
ILMN_2686463		0610010F05RIK	0.270489086
ILMN_2819929	NM_011961.1	PLOD2	0.270344564
ILMN_2694659	NM_029437.1	CKAP5	0.270272991
ILMN_2742420	NM_153176.4	SPG7	0.270205167
ILMN_2757716	NM_144935.1	BC018242	0.270185202
ILMN_3107945	NM_029606.3	CCDC46	0.270175474
ILMN_1249068		2410044A07RIK	0.269922203
ILMN_1236889	NM_011347.1	SELP	0.269846718
ILMN_1251808		CAPN10	0.269705741
ILMN_2652394	NM_013736.4	TCEB3	0.269694285
ILMN_2652260	NM_144911.1	RPAP2	0.269678996
ILMN_2438078	NM_025324.2	ZFP524	0.269574192
ILMN_2749143	XM_147329.1	2810428I15RIK	0.269426628
ILMN_2681293		Sept6	0.269370789
ILMN_1256951	NM_001081111.1	TMF1	0.269253691
ILMN_3162499	NM_028427.2	TMEM192	0.269199752
ILMN_1220793	NM_025717.3	RBM4B	0.269164183
ILMN_2817996	NM_146141.1	PPA2	0.269058728
ILMN_1228849		HIST2H2AA1	0.26905492
ILMN_1244242		ALDH4A1	0.26898668
ILMN_2708222	NM_178420.2	NLRX1	0.268906503
ILMN_2944301	NM_025462.2	ECE2	0.268865882
ILMN_1221548	XM_358872.1	LOC385662	0.268553855
ILMN_2652663		CRK	0.26855015
ILMN_1246382		2010204K13RIK	0.268512422
ILMN_2444121	XM_001477560.1	LOC100041797	0.268327141
ILMN_3111298	NM_139295.2	MCFD2	0.268324217

ILMN_2849359	NM_026753.1	1110019N10RIK	0.268223402
ILMN_2746210	NM_016706.2	COIL	0.268219285
ILMN_2756157	NM_153134.2	IRGQ	0.268215223
ILMN_1216852	NM_011398.1	SLC25A14	0.268166663
ILMN_1257784	XM_359160.1	LOC386288	0.268134154
ILMN_2664950	NM_011078.2	PHF2	0.268119948
ILMN_2760765	NM_145382.3	BC021381	0.268077192
ILMN_1242239	NM_031405.1	ARS2	0.267896232
ILMN_2612079	NM_133626.2	RRBP1	0.26789413
ILMN_1217061	NM_015733.4	CASP9	0.267756351
ILMN_1224158	XM_147236.2	LOC224163	0.267696697
ILMN_2711000	NM_001033537.2	PERLD1	0.267625262
ILMN_1244545		6330444G18RIK	0.267599673
ILMN_1236049	NM_178051.3	MTERFD2	0.267293264
ILMN_2948663	NM_029475.1	ADAL	0.267244371
ILMN_2595842	NM_027185.2	DEF6	0.267220851
ILMN_3109573	NM_001013023.2	MTERF	0.267084715
ILMN_1227386	NM_025446.1	AIG1	0.267055375
ILMN_1220219	NM_009446.2	TUBA3A	0.266993298
ILMN_2726308	NM_026308.2	RPP21	0.266879073
ILMN_3009579	NM_145951.2	COVA1	0.266869299
ILMN_1258658	NM_175322.2	D130072O21RIK	0.266811074
ILMN_1222821	NM_133185.2	ROGDI	0.266742539
ILMN_2978878	NM_153542.1	LRRC20	0.266639841
ILMN_2772410		ANXA4	0.266626185
ILMN_2863903	NM_021313.1	RNF25	0.266556936
ILMN_2788065	NM_029810.2	NT5C2	0.266363179
ILMN_2683316	NM_007798.2	CTSB	0.266117595
ILMN_1230065	XM_147335.2	LOC245892	0.266071583
ILMN_2787844	NM_012032.2	SERINC3	0.265736647
ILMN_1237089	NM_008060.1	GANAB	0.26568556
ILMN_2620844	NM_133840.2	CLP1	0.265633306
ILMN_2909211	NM_029619.2	MSRB2	0.265615125
ILMN_2700334	NM_018772.1	BRI3	0.265548877
ILMN_2509962	NM_020497.1	ZFP276	0.265417251
ILMN_2445165	NM_009504.2	VDR	0.265384085
ILMN_2834915	NM_011396.2	SLC22A5	0.265365415
ILMN_1251504	NM_133969.2	CYP4V3	0.265341954
ILMN_2692351	NM_001081030.1	SBF1	0.265218732
ILMN_2603693	NM_172894.2	SAPS1	0.265064637
ILMN_1235962	NM_133255.1	HOOK2	0.264935728
ILMN_2612255	NM_008535.2	LYL1	0.264893272
ILMN_1233848	NM_201244.1	COPG	0.264870633
ILMN_1224678	NM_029626.1	GLT8D1	0.26463481
ILMN_2876575	NM_024432.2	UBXN6	0.264540881
ILMN_2626653	NM_019502.2	FXC1	0.264468704

ILMN_2550822		AFG3L1	0.264418583
ILMN_2467096	XM_001474888.1	B430105G09RIK	0.264297032
ILMN_1225723	NM_028091.3	OSGEPL1	0.264222851
ILMN_2689667	NM_025346.1	RMND5B	0.263976389
ILMN_2597248		ABCB9	0.263949637
ILMN_2507044	XM_001002437.1	HCFC2	0.263813232
ILMN_1254814	NM_009905.1	CLK1	0.263787008
ILMN_1249708	NM_020494.2	DDX24	0.263785868
ILMN_2859678	NM_023479.1	ELAC2	0.263773441
ILMN_2600729	XM_001473268.1	LOC100044696	0.263474771
ILMN_2798255	NM_019543.2	PIGP	0.263440057
ILMN_1237299	NM_010991.1	OLFR49	0.263425726
ILMN_1248737	XM_001474642.1	4930481A15RIK	0.263327149
ILMN_1244995		C430015A10RIK	0.263213513
ILMN_1214118	NM_031257.2	PLEKHA2	0.263198471
ILMN_2634841	NM_198303.2	EIF5B	0.263176654
ILMN_2711562	NM_008846.2	PIP5K1B	0.263021482
ILMN_2495939	NM_013919.3	USP21	0.263004697
ILMN_2438771	NM_001033389.2	FUBP3	0.262995082
ILMN_1241909	NM_146091.3	ATL3	0.262976981
ILMN_1243140	XR_032875.1	LOC668164	0.262760913
ILMN_2482672	NM_001039493.1	PLEKHM3	0.262729189
ILMN_1258239	NM_025343.2	0610042C05RIK	0.262695532
ILMN_2453051	NM_023500.2	XK	0.262657863
ILMN_2657467	NM_001039387.1	NELF	0.262558163
ILMN_2470360		BC037704	0.262519549
ILMN_1227596	NM_026784.2	PMVK	0.262494955
ILMN_2763679	NM_172579.1	SIPA1L1	0.262491972
ILMN_3136593	NM_001024713.1	2610042L04RIK	0.262342194
ILMN_2943476	NM_025304.3	LCMT1	0.262096818
ILMN_2733733	NM_011905.2	TLR2	0.26203971
ILMN_3070533	NM_029862.1	5930434B04RIK	0.262006345
ILMN_2446032	XM_131566.5	USP24	0.261942406
ILMN_1228366	NM_007671.2	CDKN2C	0.26194191
ILMN_2876302	NM_198608.2	AARS2	0.261929915
ILMN_1255854	NM_001081230.1	MTAP9	0.261809359
ILMN_2600309	NM_153176.4	SPG7	0.261767042
ILMN_1240146	NM_133673.3	TOR1B	0.261687711
ILMN_2951407	NM_172205.1	SBSN	0.261641003
ILMN_2515830		2210410E06RIK	0.261477455
ILMN_1238939	NM_153121.1	LYSMD1	0.261472889
ILMN_2690756	NM_008636.3	MTF1	0.261388108
ILMN_2936351	NM_010771.3	MATR3	0.26131575
ILMN_1213680	NM_177462.4	ZMYM6	0.261298852
ILMN_1232451	XM_129968.4	PHLPP	0.261296809
ILMN_2856599	NM_016681.2	CHEK2	0.261231311

ILMN_2673790	NM_145425.2	AV249152	0.261165515
ILMN_2600389	NM_178798.3	SLC7A6	0.261162842
ILMN_2680111	NM_025578.4	MRPS25	0.261140943
ILMN_3140913	NM_198664.3	TBC1D2	0.261035969
ILMN_2833614	NM_001007575.1	ZFP817	0.261025448
ILMN_2743524	NM_175402.3	1810017N16RIK	0.261015402
ILMN_1218014	NM_019704.2	TMEM115	0.261002132
ILMN_1215908	NM_001081417.1	CHD7	0.260836346
ILMN_2430374	NM_009457.3	UBA1	0.260787299
ILMN_2660175	NM_015797.3	FBXO6	0.260770953
ILMN_2654679	XR_032179.1	LOC100040671	0.260755762
ILMN_2594807	NM_025762.1	4933434E20RIK	0.260751152
ILMN_2706495	NM_173347.2	PRUNE	0.260680333
ILMN_1247633	NM_011981.4	ZFP260	0.260430209
ILMN_2680329	NM_026921.4	ISCA1	0.260416702
ILMN_1247823	NM_001080926.1	LRP8	0.260349861
ILMN_1255699		TBL2	0.260302093
ILMN_2706853	NM_029153.1	SCAMP1	0.259922174
ILMN_2872639	NM_027815.2	9030624J02RIK	0.259866086
ILMN_1224589	NM_026013.2	TMEM77	0.259847276
ILMN_2666690	NM_025611.5	CUL7	0.259814096
ILMN_1254883	NM_024183.4	FIP1L1	0.259733343
ILMN_1240420	NM_001085355.1	ARID1B	0.259702334
ILMN_2715661	NM_026951.2	PEX11C	0.259661201
ILMN_1249467	NM_172413.2	RAP2C	0.259605317
ILMN_2599764	NM_146376.2	OLFR323	0.259439996
ILMN_2527733	NM_001033298.2	GM114	0.259311662
ILMN_2975377	NM_026849.1	MTMR14	0.25928836
ILMN_2881791	NM_178802.2	TRIM65	0.259274468
ILMN_1250910	NM_001039394.1	RAB43	0.259226018
ILMN_3142602	NM_019420.1	B3GALT4	0.259223549
ILMN_2547346		PCP2	0.259179498
ILMN_1242976		C130072N01RIK	0.259046396
ILMN_1216601	NM_027728.2	4933434I06RIK	0.258963776
ILMN_3144761	NM_026787.1	1110012L19RIK	0.258946752
ILMN_2672353	NM_153551.1	DENND1C	0.258857465
ILMN_3008497	NM_144522.2	TBC1D10B	0.258675368
ILMN_1256012	NM_181326.3	ZFP521	0.25863161
ILMN_2702061	NM_146116.1	TUBB2C	0.25861826
ILMN_1212797		SYNJ2	0.258434727
ILMN_2477243	NM_177643.2	ZFP281	0.25835505
ILMN_1239601	XM_913466.2	LOC637711	0.2582535
ILMN_2994779	NM_134118.1	GPSN2	0.258233352
ILMN_2877706	NM_023524.1	TFPT	0.258113738
ILMN_3136809	NM_001077359.1	GIT2	0.258047409
ILMN_2726690		IVNS1ABP	0.257944162

ILMN_1222474	NM_011399.3	SLC25A17	0.257943447
ILMN_2482290	NM_144825.2	TAOK1	0.257853223
ILMN_2977193	NM_013925.2	ADAT1	0.257832427
ILMN_1253142	NM_025633.3	METAPL1	0.257746592
ILMN_2804407	NM_029588.1	1700012L04RIK	0.257744894
ILMN_2800256	NM_144835.4	HEATR1	0.257601317
ILMN_2953098	NM_026229.1	GPR89	0.25753948
ILMN_1245112	NM_145954.1	ALDH16A1	0.257511672
ILMN_1228288		A230057M07RIK	0.25746763
ILMN_1235423	NM_009886.2	CELSR1	0.25744981
ILMN_2974601	NM_027278.1	2810432D09RIK	0.257355312
ILMN_2629690	XM_132974.3	IPO8	0.25729978
ILMN_2818396	NM_026362.1	5033414D02RIK	0.257298488
ILMN_2665889	NM_172380.3	KTELC1	0.257209118
ILMN_2605307		BB128963	0.257143537
ILMN_2839682	NM_201646.1	BTBD6	0.257138206
ILMN_1214053	NM_009564.1	ZFP64	0.257105006
ILMN_1218378	NM_199316.2	4922501C03RIK	0.257089764
ILMN_2552732		9030216K14RIK	0.257015027
ILMN_2762056	NM_025772.3	DTNBP1	0.257005267
ILMN_2783429	NM_133761.2	DCP1A	0.256780063
ILMN_2694275	NM_016753.4	LXN	0.256760727
ILMN_3160234	NM_001033820.2	ZFP551	0.25665809
ILMN_2469294		BICD2	0.256581649
ILMN_1232084	NM_029148.1	TXNDC13	0.256503376
ILMN_3062133	NM_053193.1	CPSF1	0.256499908
ILMN_1228937	NM_180962.1	CYHR1	0.25648338
ILMN_2938179	NM_183275.1	1110002N22RIK	0.256437361
ILMN_2839569	NM_022325.3	CTSZ	0.256328251
ILMN_2833985	NM_030259.1	RILPL2	0.25631199
ILMN_2593554	NM_018738.3	IGTP	0.256310278
ILMN_2847502	NM_145606.1	PCOLN3	0.256216178
ILMN_1232711	NM_146570.2	OLFR1006	0.256210714
ILMN_2687828	NM_007880.1	ARID3A	0.256168207
ILMN_1251729	NM_008686.2	NFE2L1	0.256152663
ILMN_2736848	NM_029068.2	SNX16	0.256117892
ILMN_2736714	NM_028849.1	CLDND2	0.256087868
ILMN_2896552	NM_013898.1	TIMM8A1	0.255975681
ILMN_1231420	NM_133852.2	GOLGA2	0.255884964
ILMN_2476303		1700008F19RIK	0.255884722
ILMN_2597886	NM_130796.3	SNX18	0.25570736
ILMN_1249417	NM_178939.2	PDRG1	0.255697502
ILMN_2610234	NM_008357.1	IL15	0.255412009
ILMN_1246876		KIT	0.2553917
ILMN_1251333	NM_019749.3	GABARAP	0.255366293
ILMN_3153614	NM_027415.2	TMEM70	0.255081969

ILMN_2790113	NM_026401.1	MRP63	0.255032901
ILMN_1247505	NM_009296.1	SUPT4H1	0.2550053
ILMN_1214213	NM_015754.2	RBBP9	0.254967615
ILMN_2724702	NM_198615.1	RKHD1	0.254948818
ILMN_2561408		A530026H04RIK	0.254945697
ILMN_2637066	NM_026753.2	1110019N10RIK	0.254847721
ILMN_1219563	NM_001005385.1	GPRASP1	0.254662671
ILMN_1232762	NM_009720.2	ATOX1	0.254576368
ILMN_2726315	NM_011341.4	SDF4	0.254494024
ILMN_1230032	XM_357735.1	EG384596	0.254284247
ILMN_3163001	NM_145470.2	DEPDC6	0.254225027
ILMN_2829636	NM_013760.3	DNAJB9	0.25387397
ILMN_2974720	NM_183029.1	IGF2BP2	0.253817119
ILMN_2749448	NM_153119.2	PLEKHO2	0.253665232
ILMN_3072957	NM_001029890.1	MEX3A	0.253548482
ILMN_3133085	NM_001044747.1	ZFP68	0.253412497
ILMN_2939652	NM_019414.2	SELENBP2	0.253304643
ILMN_1234604	NM_029282.1	2610036D13RIK	0.253220359
ILMN_3141499	NM_028720.2	3930401K13RIK	0.253194318
ILMN_3122961	NM_010260.1	GBP2	0.253191348
ILMN_2762728	NM_130864.3	ACAA1A	0.253172048
ILMN_1248465	NM_175126.3	ZCCHC3	0.253099829
ILMN_2810047	NM_172015.1	IARS	0.252785384
ILMN_2733888	NM_011543.3	SKP1A	0.252673318
ILMN_2915059	NM_138306.1	DGKZ	0.252562912
ILMN_2602542		LRMP	0.252465234
ILMN_1228040	NM_027275.3	PTCD3	0.252454895
ILMN_1214412	NM_133738.1	ANTXR2	0.252094715
ILMN_1215606	NM_021337.2	SKIV2L	0.252084243
ILMN_2664726	XM_203393.1	3110013H01RIK	0.252075229
ILMN_1233987		1110014O20RIK	0.25203456
ILMN_1247954	NM_177166.2	9930014A18RIK	0.251976299
ILMN_2841917	NM_001037916.1	LOC622665	0.251937404
ILMN_2805071	NM_021710.1	AP4S1	0.25186076
ILMN_2688236	NM_016745.2	ATP2A3	0.251860377
ILMN_2735276	NM_001001335.1	PLEKHA8	0.25164956
ILMN_1245609	NM_009163.2	SGPL1	0.251639714
ILMN_1242309		A630054L15RIK	0.25158331
ILMN_2551827		DNCIC2	0.251572884
ILMN_2922544	NM_009682.2	AP3S2	0.251502739
ILMN_2652721	NM_028238.6	RAB38	0.251496912
ILMN_1225414	NM_024456.2	RAB5C	0.251390586
ILMN_3132666	NM_175489.3	OSBPL8	0.251359504
ILMN_2439453	NM_133218.1	ZFP704	0.251337922
ILMN_2805829	NM_144886.1	EXOSC2	0.251199982
ILMN_2424703	NM_001099637.1	CEP170	0.25116388

ILMN_2580412		D430034D15RIK	0.251024127
ILMN_1250382	NM_133224.1	ATP13A1	0.251018757
ILMN_3162771	NM_029248.1	TAF1D	0.250935407
ILMN_3140383	NM_008301.4	HSPA2	0.250869024
ILMN_2972541	NM_199011.1	DGKQ	0.25071264
ILMN_2642624	NM_199365.1	5330438I03RIK	0.250692341
ILMN_1232073	NM_133206.2	ZNRF1	0.250672597
ILMN_2923736	NM_175150.3	TXNDC15	0.25064117
ILMN_2556182		ASK-PENDING	0.25055995
ILMN_1227608	XR_005131.2	A930033H14RIK	0.250270352
ILMN_2664779	NM_033371.2	PPP1R16A	0.250236185
ILMN_2557387		E430005I09RIK	0.250088221
ILMN_1244790	NM_001005868.1	ERBB2IP	0.250061514
ILMN_2821254	NM_145627.1	RBM10	0.250054629
ILMN_3099055	NM_001039557.1	4922505G16RIK	0.250029479
ILMN_3028981	NM_001042557.1	MAP2K7	0.249935444
ILMN_3002571	NM_030218.1	9130017N09RIK	0.249856533
ILMN_2603953	NM_016737.1	STIP1	0.249797989
ILMN_2968211	NM_010706.1	LGALS4	0.249700499
ILMN_2791059	NM_028870.1	CLTB	0.249670534
ILMN_2881039	NM_198011.1	E430018J23RIK	0.249658226
ILMN_2791357	NM_172672.2	GANC	0.249384533
ILMN_2995454	NM_011383.1	SIX5	0.249349917
ILMN_2884050	NM_023138.3	MAP2K2	0.249342301
ILMN_3037668	NM_054057.4	PROSC	0.24922578
ILMN_2454195	NM_018879.1	TUSC4	0.249209323
ILMN_1223552		FBN1	0.24919791
ILMN_3144984	NM_007487.3	ARL4A	0.249112247
ILMN_2643159	NM_019812.1	SIRT1	0.249095949
ILMN_1251170	NM_033565.1	AFF4	0.249068244
ILMN_1233991	NM_172583.2	TMEM63C	0.249007563
ILMN_2455089	XM_001475552.1	LOC100046087	0.249000194
ILMN_1232585		B930097J01RIK	0.24896587
ILMN_2741899	NM_177214.4	ASCC3L1	0.248907719
ILMN_2716358	NM_194339.1	BMS1	0.248719412
ILMN_2653881	XM_001479635.1	LOC100048020	0.2486368
ILMN_2891583	NM_178396.3	CAR12	0.24830766
ILMN_3005212	NM_146169.1	PAIP2B	0.248245117
ILMN_1231383	NM_175244.3	HECTD3	0.248172493
ILMN_1220846	NM_198616.2	CCDC85B	0.248101277
ILMN_1224117	NM_144873.2	UHRF2	0.247842923
ILMN_3129526	NM_133247.2	USP33	0.247839452
ILMN_2755059	NM_133749.2	2900064A13RIK	0.24773305
ILMN_2705367	NM_147151.1	EHMT2	0.247711885
ILMN_2622163	NM_010256.2	GART	0.247704712
ILMN_2938704	NM_008357.1	IL15	0.247693422

ILMN_1232447	NM_008898.1	POR	0.247679771
ILMN_2430813		PDLIM7	0.247573435
ILMN_2607609	NM_029887.2	YIF1B	0.247310413
ILMN_2790636	NM_009120.2	SAR1A	0.247268381
ILMN_2805029	NM_016890.2	DCTN3	0.24726516
ILMN_2424983		C030014I23RIK	0.2471284
ILMN_2880906	NM_145978.1	PDLIM2	0.247087012
ILMN_2911307	NM_001005420.1	GM347	0.247020652
ILMN_1250501	NM_010147.3	EPN1	0.2469879
ILMN_1230327	XM_356873.1	LOC383099	0.24694802
ILMN_1213364	XM_915073.1	LOC638892	0.246874587
ILMN_2895753	NM_001004139.1	ZFP619	0.246841692
ILMN_2493338		C630022N07RIK	0.246834072
ILMN_2998135	NM_053069.2	ATG5	0.246791647
ILMN_1249344	NM_029748.2	2510006D16RIK	0.246783662
ILMN_1249949	NM_021542.4	KCNK5	0.246721335
ILMN_1217984	NM_133975.4	TRIP12	0.246472704
ILMN_3096250	NM_181329.2	COIL	0.246382135
ILMN_2998807	NM_199018.1	STARD8	0.246340411
ILMN_2793281	NM_020003.1	0610031J06RIK	0.246323424
ILMN_1232900	XM_901486.2	2310001H12RIK	0.246312754
ILMN_2898135	NM_028868.1	CXXC1	0.246247555
ILMN_2684667	NM_026958.2	1810035L17RIK	0.246211745
ILMN_2900910	NM_010860.2	MYL6	0.246143389
ILMN_2488000		5730601F06RIK	0.245847311
ILMN_2630768	NM_021538.1	COPE	0.245690749
ILMN_2485839	NM_011610.3	TNFRSF1B	0.245599669
ILMN_1238486	NM_009982.3	CTSC	0.245576469
ILMN_2597909	XM_133979.7	PPFIA1	0.245574077
ILMN_2781798	NM_001033297.1	GM561	0.245506875
ILMN_1239133	NM_008451.2	KLC2	0.245259625
ILMN_2424027	NM_001081319.1	C030046E11RIK	0.245223822
ILMN_2992541	NM_025516.2	ERGIC3	0.245202643
ILMN_2635240	NM_139302.1	SH3GLB2	0.245101816
ILMN_3158341	NM_001080548.1	USP6NL	0.244939936
ILMN_2701654	NM_176953.3	LIG4	0.244920632
ILMN_2862706	NM_010393.1	H2-Q5	0.2448048
ILMN_2908846	NM_027711.1	IQGAP2	0.244482639
ILMN_2788546	NM_011778.1	CORO1B	0.244095901
ILMN_2592496	NM_153530.1	DIS3L2	0.244078724
ILMN_2539337	XM_355767.1	LOC381770	0.244066329
ILMN_3160468	NM_001033436.1	ATXN7L1	0.244028573
ILMN_2640401	NM_013625.1	PAFAH1B1	0.243907077
ILMN_1216182	NM_028341.2	2810439F02RIK	0.243565455
ILMN_2683794	NM_010952.2	OAZ2	0.243540381
ILMN_2907115	NM_175146.2	TSR2	0.243532615

ILMN_2940440	NM_008060.1	GANAB	0.24347773
ILMN_2688135	NM_172284.4	DDX19B	0.243331328
ILMN_2756686	NM_172401.2	1110057K04RIK	0.243309876
ILMN_1225859	NM_027143.2	9130227C08RIK	0.243307823
ILMN_1218868	NM_133805.3	COPS8	0.243222725
ILMN_1247482		CCNC	0.243127838
ILMN_2642681	NM_009716.2	ATF4	0.243024503
ILMN_1258688	NM_028763.3	CBX6	0.242908445
ILMN_2755668	NM_019456.1	APBB1IP	0.242852297
ILMN_2770492		ALG2	0.24277238
ILMN_2665681	NM_009963.3	CRY2	0.242752409
ILMN_2616612	XM_126502.4	2010008E23RIK	0.242673832
ILMN_2560343		A330019B12RIK	0.242577674
ILMN_2933168	NM_019866.1	SPIB	0.242552946
ILMN_2473718	NM_001033439.2	LRCH1	0.24237347
ILMN_2457571	XM_001481278.1	MAML2	0.242356807
ILMN_2758803	NM_029331.2	1700019G17RIK	0.242331074
ILMN_1256219	XR_033381.1	LOC100047261	0.242186508
ILMN_1230276		4933425L03RIK	0.242168918
ILMN_1233784	NM_001008498.2	WDR34	0.242081904
ILMN_3094023	NM_144889.2	PSMF1	0.24206979
ILMN_2669146	NM_194341.1	AP1GBP1	0.24206323
ILMN_2536188	XM_357295.1	LOC383856	0.242034332
ILMN_1224692	NM_030697.2	KANK3	0.242020522
ILMN_2621901	XM_894155.2	BC004022	0.241969752
ILMN_1247867		HRB2	0.241967373
ILMN_1256905	NM_013497.3	CREB3	0.241913285
ILMN_2747687	NM_010822.2	MPG	0.241905879
ILMN_2782082	NM_008410.1	ITM2B	0.24184513
ILMN_2775514		EXT2	0.241843765
ILMN_2744492	NM_173390.3	NHSL1	0.241745611
ILMN_2656359	NM_172676.2	SAMD10	0.241723236
ILMN_1224982		5730550L01RIK	0.241657156
ILMN_1217454	NM_010685.3	LAMP2	0.241604885
ILMN_3163027	NM_145421.1	FAM108A	0.241161028
ILMN_3107607	NM_021494.1	DENND5A	0.241098712
ILMN_2726174	NM_178632.4	INTS7	0.241035862
ILMN_1230162	NM_010193.3	FEM1B	0.241014
ILMN_1259252	NM_010730.2	ANXA1	0.240939037
ILMN_2990144	NM_153414.2	D14ERTD231E	0.240936272
ILMN_2607608	XM_284281.2	9430029K10RIK	0.240865805
ILMN_2512928	XM_001001408.2	LOC677213	0.240832018
ILMN_2800813	NM_023341.2	CABC1	0.240756252
ILMN_2734290	NM_024205.1	1200003C05RIK	0.240734961
ILMN_1253850	NM_001081103.1	STIM2	0.240700786
ILMN_3142224	NM_197979.2	1110020P15RIK	0.240577084

ILMN_2604789	NM_020483.3	SAP30BP	0.240566335
ILMN_1222806	NM_145956.2	BRCC3	0.240255982
ILMN_2639402	NM_025464.2	TMEM218	0.240213289
ILMN_2684848	NM_199015.2	D14ERTD668E	0.240191055
ILMN_2737523	NM_007975.3	F2RL3	0.240156595
ILMN_1231132	NM_025646.3	CRLS1	0.240052823
ILMN_1219532		E230013N04RIK	0.240000462
ILMN_2533109	XM_993488.1	LOC672441	0.239991582
ILMN_1240408		RBL1	0.239894252
ILMN_2623754	NM_001081430.1	NAT12	0.239739588
ILMN_2736379	NM_177176.2	NFIA	0.239697682
ILMN_1260009	NM_080595.1	EMID1	0.239663422
ILMN_2624713	XM_915307.3	MAST4	0.23952773
ILMN_1253294	NM_026079.2	IKBKAP	0.239488533
ILMN_2647172	NM_023475.2	SERHL	0.239471384
ILMN_1249348	NM_018786.1	PRPF40B	0.239465294
ILMN_2853409	NM_023854.1	ARFGAP2	0.23942653
ILMN_2749487	NM_020022.2	RFC2	0.239391692
ILMN_1232379	NM_177658.3	B230339M05RIK	0.239359016
ILMN_1249579	NM_009410.2	TOP3A	0.239284988
ILMN_2839142	NM_133998.1	1810008A18RIK	0.239064466
ILMN_1256792		2610028H07RIK	0.239001716
ILMN_1220315	NM_001003916.1	ZC4H2	0.238956265
ILMN_2427349	NM_011749.4	ZFP148	0.238863961
ILMN_2997308	NM_010364.1	GTF2H4	0.238734668
ILMN_1217599	NM_016858.2	RAB33B	0.238698006
ILMN_2763115	NM_177613.2	CDC34	0.23866191
ILMN_1218494	NM_133247.2	USP33	0.238403396
ILMN_2656909	NM_028288.3	CUL4B	0.238403056
ILMN_2622146	NM_033609.2	MED15	0.238360764
ILMN_2733542	XM_001473206.1	LOC100044862	0.238250162
ILMN_2893187	NM_207670.1	GRIPAP1	0.23803022
ILMN_2726448	NM_175325.2	BBS4	0.237962253
ILMN_2777474	NM_010398.1	H2-T23	0.237888609
ILMN_2941430	NM_027541.2	PRPF3	0.237855578
ILMN_2637233	NM_012021.2	PRDX5	0.237716217
ILMN_2545299		4921533J23RIK	0.237665347
ILMN_1213531	NM_028320.3	ADIPOR1	0.237585076
ILMN_2507227	NM_172121.1	ZC3H3	0.23756421
ILMN_2650725	NM_198113.2	SSH3	0.237393313
ILMN_2862379	NM_007485.2	RHOD	0.237372123
ILMN_2975455	NM_178257.1	IL22RA1	0.237346084
ILMN_2681123	NM_172656.5	SYRADB	0.23727566
ILMN_3158265	NM_001025093.1	ATF2	0.237243024
ILMN_1253150	NM_152812.2	OTUD6B	0.237005931
ILMN_2686353	NM_017465.1	SULT2B1	0.236930335

ILMN_3104289	NM_001044371.1	RAD17	0.236883815
ILMN_2757861	NM_026193.1	AP4B1	0.236879622
ILMN_2952114	NM_019710.1	SMC1A	0.23680657
ILMN_1232667	NM_030694.1	IFITM2	0.236791936
ILMN_2851429	NM_207213.1	SNX25	0.236757283
ILMN_1259939	NM_018880.2	TRIM3	0.23674096
ILMN_2656677	NM_010223.1	FKBP8	0.236737384
ILMN_1249776	NM_013564.5	INSL3	0.236581237
ILMN_3142573	NM_001045483.1	MAPK1IP1	0.236340599
ILMN_2783940	NM_175183.2	ATXN7L2	0.236263528
ILMN_2717727	NM_010418.2	HERC2	0.236255395
ILMN_2875163	NM_134002.1	CSNK1G2	0.236185279
ILMN_2652890	NM_019762.1	PKP3	0.236099889
ILMN_2678755	NM_026517.2	RPL22L1	0.236053428
ILMN_3136789	NM_029512.2	TTPAL	0.235952324
ILMN_2987862	NM_011066.1	PER2	0.235809313
ILMN_1242377	NM_033398.2	JMJD6	0.235755105
ILMN_2622780		5530601I19RIK	0.235700469
ILMN_2667614	NM_025368.3	JOSD2	0.23565648
ILMN_2441909	NM_194334.2	TBC1D2B	0.235623848
ILMN_2892310	NM_021547.1	STARD3	0.235577806
ILMN_2833356	NM_138757.1	4933424B01RIK	0.23554888
ILMN_2991545	NM_138601.1	D10JHU81E	0.235449185
ILMN_3161250	NM_001033202.3	USP30	0.2353437
ILMN_2713396	NM_207522.1	BC067068	0.235146724
ILMN_1225615	NM_031405.1	ARS2	0.235059281
ILMN_1240323	NM_018808.1	DNAJB1	0.235032329
ILMN_2444662		2900037O03RIK	0.235008029
ILMN_2457372		2610009I02RIK	0.234998021
ILMN_2639375	NM_011840.2	MAP2K5	0.234929486
ILMN_2587929	XM_354778.1	2210408I21RIK	0.234840966
ILMN_2772492	NM_177325.3	TSR1	0.234703184
ILMN_2421220	NM_145125.2	BRWD1	0.234649476
ILMN_1230587	NM_134152.3	LPXN	0.234318453
ILMN_1235795	XM_001477076.1	LOC675594	0.234003918
ILMN_1231229	NM_013605.1	MUC1	0.23399327
ILMN_2536913	XM_357391.1	LOC384054	0.233825176
ILMN_2660485	NM_054089.3	TGS1	0.233813815
ILMN_2812164	NM_029926.3	IRAK4	0.233808987
ILMN_2733887	NM_021462.3	MKNK2	0.233701988
ILMN_2863264	NM_146012.1	CTDSP2	0.233456127
ILMN_2971486	NM_023162.3	ZNRD1	0.233431989
ILMN_1237279	NM_008089.1	GATA1	0.233339734
ILMN_2519789	NM_009542.2	ZFP101	0.233274623
ILMN_2712873	NM_029787.2	CYB5R3	0.233200845
ILMN_2757569	NM_007933.2	ENO3	0.233182531

ILMN_2978570	NM_172697.1	PRPF38A	0.233173655
ILMN_2722131	XM_916282.3	5430411K18RIK	0.232963909
ILMN_2740806	NM_009980.4	CTBP2	0.232697078
ILMN_2698494	NM_020045.2	NFU1	0.232591406
ILMN_2851710	NM_007714.2	CLK4	0.232585752
ILMN_1260446	NM_009441.2	TTC3	0.232466907
ILMN_2774580		4933437N03RIK	0.232465756
ILMN_1222599	XM_001479450.1	ZUBR1	0.232273415
ILMN_1219577	NM_025859.1	ARL1	0.232202694
ILMN_2962701	NM_001011741.1	OLFR1386	0.232172472
ILMN_2791326	NM_009143.2	SDF2	0.232098689
ILMN_1259606	NM_026622.2	3110057O12RIK	0.232017416
ILMN_2734484	NM_025319.2	0610009B22RIK	0.231950509
ILMN_2568488		A530089A20RIK	0.231843791
ILMN_1258867	NM_175933.2	PEX5	0.231797629
ILMN_2508639	NM_133817.2	ZFP451	0.231655699
ILMN_1227785		6030413G23RIK	0.231601919
ILMN_1220575		2610010G17RIK	0.231575056
ILMN_2664909	NM_030705.4	MESDC1	0.231559898
ILMN_2760593	NM_172669.2	D030051N19RIK	0.231538911
ILMN_2876554	NM_025291.1	SRA1	0.231408318
ILMN_2603581	NM_025338.3	AURKAIP1	0.231397971
ILMN_1215469	NM_007830.3	DBI	0.231347689
ILMN_1242212	NM_001081183.1	1110037F02RIK	0.231338401
ILMN_1233167		ARL10C	0.231075441
ILMN_3004142	NM_021420.2	STK4	0.231057975
ILMN_2602630	NM_177041.3	FLAD1	0.230917619
ILMN_3007813	NM_175238.4	RIF1	0.230904164
ILMN_2434503	NM_019828.1	TRPC4AP	0.230858664
ILMN_2627350	NM_010760.2	MAGOH	0.23073577
ILMN_2937122	NM_175114.3	TRAK1	0.230733418
ILMN_2663576	NM_138309.1	MIC2L1	0.230628676
ILMN_1242238	XM_978542.1	EG632802	0.230599354
ILMN_1225300	NM_181328.2	SLC25A29	0.230510827
ILMN_1254540	NM_021449.2	CRBN	0.2304989
ILMN_3160475	NM_009532.3	XRCC1	0.230438748
ILMN_1218347	NM_139300.3	MYLK	0.23040473
ILMN_2603781	NM_080837.1	D17WSU104E	0.230398087
ILMN_1232440		4930430F08RIK	0.230337064
ILMN_2738284	NM_173033.3	BC057893	0.230248398
ILMN_1236042	NM_019806.5	VAPB	0.230160544
ILMN_3033524	NM_001025156.1	CCDC93	0.229988694
ILMN_2673936	NM_029751.3	RPL18A	0.229914713
ILMN_2848353	NM_177362.2	ZFP771	0.229700116
ILMN_2967362	NM_172401.2	1110057K04RIK	0.229699078
ILMN_2552251		4632422H02RIK	0.229636146

ILMN_2751505	NM_001025387.2	BRD2	0.229633069
ILMN_2815107	NM_019650.2	GOSR2	0.229467199
ILMN_1213914	NM_020582.2	ATP5J2	0.229411683
ILMN_2756030	NM_011406.1	SLC8A1	0.229214552
ILMN_1237573	NM_145452.2	RASA1	0.229171421
ILMN_1216950	NM_174996.2	D4ERTD22E	0.229125274
ILMN_1230913	NM_175224.4	METAP1	0.228954125
ILMN_2643723	NM_026441.4	PEF1	0.228931289
ILMN_2529682	XM_124427.4	LOC230896	0.228628593
ILMN_2625991	NM_025337.2	AKR7A5	0.228398682
ILMN_1225015	AK080946.1	SCL0001828.1_20	0.228379632
ILMN_2757916	NM_026034.3	ARMC10	0.228108044
ILMN_2713464	NM_134076.1	ABHD4	0.228090314
ILMN_2697092	NM_001093759.1	2410002O22RIK	0.228037024
ILMN_2953677	NM_007915.1	EI24	0.227963446
ILMN_1226497	NM_026641.1	IFT80	0.22788596
ILMN_2930364	NM_011431.2	EFTUD2	0.227809521
ILMN_2647381	NM_027323.1	SRRD	0.227803514
ILMN_2871412	NM_011319.1	SARS	0.227802446
ILMN_2721399	NM_009985.3	CTSW	0.22770602
ILMN_2742583	NM_001081118.1	PHRF1	0.227472887
ILMN_2722129	NM_019424.2	HPS1	0.227466287
ILMN_3124547	NM_001007465.1	RFFL	0.227435509
ILMN_2682362	NM_177367.2	GEMIN4	0.227373889
ILMN_2437856	NM_024451.1	UNC84A	0.22733113
ILMN_1247465	NM_001076791.2	9630025I21RIK	0.227239457
ILMN_2707710	NM_170598.2	RBM12	0.227104572
ILMN_2508745	NM_026752.2	ZFYVE21	0.227042636
ILMN_2924831	NM_008088.1	GAS7	0.226849042
ILMN_2673385	NM_177311.3	SERAC1	0.226672999
ILMN_2926257	NM_026181.1	GPATCH1	0.226527186
ILMN_1254199	NM_008064.2	GAA	0.226517155
ILMN_3114585	NM_001039150.1	CD44	0.226492839
ILMN_2608602	NM_178700.4	GRSF1	0.226421272
ILMN_2600537	NM_025618.2	SRI	0.226195835
ILMN_2971567	NM_020494.2	DDX24	0.226122948
ILMN_2496817	NM_013881.3	ULK2	0.226058311
ILMN_2722455	NM_013768.2	PRMT5	0.226055044
ILMN_2969919	NM_013876.2	RNF11	0.22597165
ILMN_2920549	NM_009157.2	MAP2K4	0.225854425
ILMN_2675029	NM_009208.2	SLC4A3	0.225831146
ILMN_2602581	NM_025508.3	GMPR	0.225498167
ILMN_1214163	NM_172772.2	B230380D07RIK	0.225383067
ILMN_3112873	NM_001009935.2	TXNIP	0.225316911
ILMN_1237208	NM_010684.2	LAMP1	0.225217589
ILMN_2877541	NM_019922.1	CRTAP	0.225009731

ILMN_1217602	XM_357615.1	LOC384387	0.224757736
ILMN_1244642	NM_026070.2	CCDC53	0.224751322
ILMN_3148489	NM_011046.2	FURIN	0.224680775
ILMN_1235574	XM_355883.6	2310022K01RIK	0.224680261
ILMN_2457773		E330009J07RIK	0.224564987
ILMN_2792560	NM_025348.1	NDUFA3	0.224533556
ILMN_2907793	NM_009145.1	NPTN	0.224371181
ILMN_1244977	NM_010387.2	H2-DMB1	0.224346987
ILMN_1249242	NM_009584.3	DNAJC2	0.224201476
ILMN_2841334	NM_146224.4	SUHW4	0.224195497
ILMN_2707147	NM_021329.2	RANGRF	0.224073175
ILMN_2599935	NM_019836.1	2610024G14RIK	0.224027553
ILMN_2674132		FIBP	0.223813384
ILMN_1229918		8030466K23RIK	0.22379967
ILMN_2914796	NM_175029.2	ATG4C	0.223726779
ILMN_1228750	NM_001024699.1	ZBTB45	0.223683737
ILMN_2692341	NM_146027.1	SCRN2	0.22361695
ILMN_1257209	NM_153138.3	WIPF1	0.223614355
ILMN_2617305	NM_025529.3	NUDT8	0.223464172
ILMN_2731974	NM_008021.2	FOXM1	0.223352948
ILMN_1217148		6530406A20RIK	0.223147339
ILMN_1231129	NM_028459.1	WASL	0.223082677
ILMN_2748806	NM_133791.4	WWC2	0.222988905
ILMN_2515536		SCL000648.1_30	0.222950694
ILMN_2814575	NM_026532.2	NUTF2	0.222923729
ILMN_1245356	NM_011421.1	SMPD1	0.222881348
ILMN_1217576	NM_007963.1	EVI1	0.222821267
ILMN_2657980	NM_010173.3	FAAH	0.222711245
ILMN_2920708	NM_145931.1	ZC3H7A	0.222684234
ILMN_2774822		BTBD6	0.222635688
ILMN_2762925	XM_001476332.1	LOC100046259	0.222622359
ILMN_1242881	NM_019953.1	CNPY2	0.222470467
ILMN_3040816	NM_029320.2	PIBF1	0.222332867
ILMN_2453874	NM_001098227.1	SDCBP	0.222324287
ILMN_1227677	XM_148134.1	KELCHL	0.222258523
ILMN_2465770	NM_021522.2	USP14	0.222172212
ILMN_2970429	NM_011675.1	UCK1	0.222138652
ILMN_2498779	XM_150227.8	MSL2L1	0.222041473
ILMN_1241179		2810405F04RIK	0.222004315
ILMN_2701435	NM_175215.3	LYSMD4	0.221867598
ILMN_2671253	NM_008179.2	GSPT2	0.221720028
ILMN_1229110	NM_025796.2	MRPL33	0.221502698
ILMN_2738773	NM_026746.2	NSMCE2	0.221360557
ILMN_2440807	NM_001081102.1	WHSC1	0.221236674
ILMN_1226979	XM_001479207.1	LOC100042970	0.221234812
ILMN_1219717	NM_019972.2	SORT1	0.221226233

ILMN_2759309	NM_030098.1	RNASE6	0.221213184
ILMN_2709456	NM_133693.1	RBM42	0.221208618
ILMN_2656645	NM_145923.4	RELL1	0.221130257
ILMN_2883138	NM_020611.3	SRD5A3	0.221083354
ILMN_1235906		B230206P06RIK	0.22106441
ILMN_1243394	NM_145625.1	EIF4B	0.221013113
ILMN_1216301	NM_011829.2	IMPDH1	0.220787846
ILMN_3004864	NM_194342.1	UNC84B	0.220749621
ILMN_1242677	NM_139272.2	GALNT2	0.220744285
ILMN_3143088	NM_172754.2	AI449175	0.220725306
ILMN_2594468	NM_027149.1	2310040A13RIK	0.220422462
ILMN_1240799	NM_027740.5	WDR51B	0.220334809
ILMN_1249815	NM_007475.4	RPLP0	0.220236978
ILMN_2987107	NM_027342.1	FAM162A	0.220075247
ILMN_1236906	NM_029976.2	CDKN2AIPNL	0.220021721
ILMN_2602406	NM_025576.1	2810004N20RIK	0.219780678
ILMN_2743650	NM_028385.1	SETD5	0.219762542
ILMN_2759563	NM_028022.1	2410008K03RIK	0.219749054
ILMN_2971946	NM_025520.2	LSM5	0.219747257
ILMN_2651886	NM_008828.2	PGK1	0.21964263
ILMN_1221311	NM_175274.3	TTYH3	0.21962919
ILMN_1227225	NM_011588.2	TRIM28	0.219524267
ILMN_2778428	NM_001008425.1	THOC6	0.219442717
ILMN_2634358	NM_008628.2	MSH2	0.219434081
ILMN_2769877		RECK	0.218815437
ILMN_2791074	NM_146039.3	WDR60	0.218790061
ILMN_2599997	NM_011308.2	NCOR1	0.218740837
ILMN_2641278	NM_133201.2	MFN2	0.218738949
ILMN_2780352	NM_001033381.1	D630014A15RIK	0.218634499
ILMN_1237581		0710007G10RIK	0.218599418
ILMN_2635850	NM_026832.3	CGRRF1	0.218512144
ILMN_2498416	NM_011751.2	ZFP207	0.218422514
ILMN_2795854	NM_138743.2	1190017O12RIK	0.218391709
ILMN_2601590	NM_019822.3	ADRM1	0.218377051
ILMN_3161828	NM_011228.1	RAB33A	0.218354386
ILMN_2508001		CLTC	0.218285419
ILMN_2932474	NM_026260.2	TCTN3	0.218284197
ILMN_1235365	NM_175211.2	RALGPS1	0.218263588
ILMN_2652749	NM_001038010.1	KAT2A	0.218220241
ILMN_1224811		4631416I11RIK	0.218207373
ILMN_1220230		HBP1	0.218202912
ILMN_2730797	NM_013770.1	SLC25A10	0.218162184
ILMN_2721809	NM_011951.2	MAPK14	0.21781172
ILMN_2615468	NM_026218.2	FGFR1OP2	0.217786359
ILMN_2635516	NM_174852.2	PHF12	0.217757625
ILMN_1246957		BRAF	0.217678171

ILMN_2635888	NM_024203.3	FAM120B	0.217539795
ILMN_2920752	NM_008488.1	ARHGEF1	0.217353733
ILMN_2519110	AK049101.1	SCL0003067.1_7	0.217292741
ILMN_1246056	NM_001038664.2	GNGT2	0.21721489
ILMN_2635976	NM_133831.2	GLTSCR2	0.217187316
ILMN_2853508	NM_025486.1	TMEM208	0.217157539
ILMN_2589792	NM_011600.2	TLE4	0.217153512
ILMN_1214488	NM_018858.2	PEBP1	0.217054883
ILMN_2691566	NM_138303.1	YIPF2	0.217042771
ILMN_2716567	NM_009761.2	BNIP3L	0.216901947
ILMN_2959037	NM_134017.1	MAT2B	0.216808063
ILMN_1226527	NM_172672.2	GANC	0.216668428
ILMN_2668886	NM_172600.2	6720456H20RIK	0.216572434
ILMN_2584381		8030447N19RIK	0.216543914
ILMN_2708644	NM_018796.2	EEF1B2	0.216510963
ILMN_1253808	NM_011852.2	OAS1G	0.216497624
ILMN_1231853	NM_144865.1	REEP2	0.216439626
ILMN_1233522		1110034O24RIK	0.216419794
ILMN_3094013	NM_175341.3	MBNL2	0.216381195
ILMN_1241522	NM_030168.2	4921505C17RIK	0.216370369
ILMN_2581241		E030003O11RIK	0.216204873
ILMN_2903364	NM_009302.2	SWAP70	0.215876616
ILMN_2772582		SMAD3	0.21586517
ILMN_2501357		DYRK1A	0.215819864
ILMN_1249408	NM_183256.2	2310016M24RIK	0.215649145
ILMN_2707895	NM_173001.1	JMJD1A	0.215643956
ILMN_2592093	NM_018854.3	IFT20	0.215591147
ILMN_2984935	NM_018739.1	RP9	0.215529096
ILMN_1254444	NM_028002.2	DUS4L	0.215387693
ILMN_2599522	NM_019396.2	CYHR1	0.21531902
ILMN_2418465	NM_008138.4	GNAI2	0.215315128
ILMN_2828139	NM_153802.3	ZFP128	0.215265447
ILMN_1247694	NM_025844.2	CHORDC1	0.215185738
ILMN_1249922	XM_993154.1	PPP1R3E	0.215044016
ILMN_2980466	NM_008325.1	IDUA	0.21501734
ILMN_2904321	NM_011785.2	AKT3	0.214939062
ILMN_2980044	NM_018830.1	ASAH2	0.214839079
ILMN_2480596		9627219_371	0.214686903
ILMN_2778530	NM_145610.1	PPAN	0.214661113
ILMN_1244857	NM_010261.2	RABAC1	0.214604901
ILMN_1216788	NM_172773.2	SLC17A5	0.214595414
ILMN_2601379	NM_178577.3	MGC18837	0.214565816
ILMN_1255527		FMR1	0.214405808
ILMN_1234738	XM_001052081.2	TMEM146	0.21438628
ILMN_3022492	NM_008688.3	NFIC	0.214375676
ILMN_1226143	NM_019983.2	RABGEF1	0.214264379

ILMN_2437470		2810423A18RIK	0.214247287
ILMN_2604227	NM_172755.2	SFRS14	0.214067565
ILMN_2986315	NM_019580.3	MIR16	0.213905598
ILMN_2436815		2810402A17RIK	0.213816506
ILMN_1249524	NM_013715.1	COPS5	0.213809013
ILMN_2677728	NM_134130.1	ABHD3	0.213453534
ILMN_2645165	NM_028643.3	EFHA1	0.213363967
ILMN_3139800	NM_181280.1	BRE	0.213247985
ILMN_2717716		RAPGEF5	0.213096511
ILMN_1257394	NM_172566.2	RUNDC1	0.212924202
ILMN_1242508		PIN4	0.212918943
ILMN_1237501	NM_145840.3	RGS9BP	0.21276003
ILMN_1244188	NM_173371.3	H6PD	0.212565071
ILMN_1243826	NM_148927.1	PLEKHA4	0.212549785
ILMN_2629044	NM_023202.3	NDUFA7	0.212498333
ILMN_2627300	NM_194462.2	AKAP9	0.21238289
ILMN_2507182	NM_172609.3	TOMM22	0.212226939
ILMN_2421275	NM_172918.3	ZFP317	0.212223778
ILMN_1257576	XM_356241.1	LOC382145	0.21218396
ILMN_2836924	NM_172372.1	WDR45	0.212130492
ILMN_2596970	NM_026407.2	TMEM39A	0.212080032
ILMN_2705966	XM_132230.8	SEC31A	0.212044784
ILMN_1231971	NM_144842.3	ZMYM5	0.212038844
ILMN_2436772	NM_133907.3	UBE3C	0.212006341
ILMN_1232272	NM_133708.3	GMPPA	0.212004771
ILMN_2917441	NM_028188.1	RUSC1	0.211956467
ILMN_2613000	NM_012043.2	ISLR	0.211954958
ILMN_2702243	NM_183174.1	HOMEZ	0.21195305
ILMN_2663694	NM_010887.1	NDUFS4	0.211807048
ILMN_1253813	NM_153505.4	NCKAP1L	0.211708357
ILMN_2868579	NM_020012.1	RNF14	0.211706743
ILMN_1228752	NM_023627.1	ISYNA1	0.211689392
ILMN_2522693	NM_178600.2	VKORC1	0.211670335
ILMN_2611261	NM_016755.2	ATP5J	0.211618967
ILMN_1255376	NM_026557.3	RCHY1	0.211566374
ILMN_2869225	NM_009078.1	RPL19	0.211546674
ILMN_1235757	NM_015740.2	BLOC1S1	0.211499923
ILMN_2426115		2310024N18RIK	0.211486591
ILMN_2781493	NM_029498.2	ZMYM2	0.211389138
ILMN_2759749	NM_025932.1	SYAP1	0.21125107
ILMN_2835012	NM_025677.1	5730449L18RIK	0.21124383
ILMN_3025192	NM_001081107.1	HEL308	0.211092033
ILMN_2765733	NM_017462.2	POLG	0.211051467
ILMN_2849985	NM_023060.3	EEFSEC	0.211021538
ILMN_3152594	NM_029531.2	ZFP60	0.210945
ILMN_2453565	NM_026112.3	ZFP606	0.210809779

ILMN_2649771	NM_033072.2	MBD6	0.210728536
ILMN_2629897	NM_028726.1	4632404H12RIK	0.210669403
ILMN_2935796	NM_026395.1	RER1	0.210636802
ILMN_2635523	XM_984472.1	4631422C13RIK	0.210536565
ILMN_1240083	NM_172268.2	NUP214	0.210378015
ILMN_1257631	NM_031159.3	APOBEC1	0.210025754
ILMN_2738264	NM_024438.4	DUSP19	0.209971857
ILMN_2991660	NM_027162.3	MIF4GD	0.209896376
ILMN_2768073	NM_029922.2	PARP6	0.209763148
ILMN_1259737	NM_178896.4	DCUN1D4	0.209650731
ILMN_2624749	NM_133971.1	ANKRD10	0.20961352
ILMN_2895084	NM_027264.3	ZFP715	0.20957817
ILMN_2748914	NM_025948.2	LSM14A	0.209495963
ILMN_2756041	NM_011099.2	PKM2	0.209440943
ILMN_2706652	NM_026431.2	1810043G02RIK	0.2094063
ILMN_1217466		2610024H22RIK	0.209328446
ILMN_3076459	NM_007808.3	CYCS	0.209089997
ILMN_2696711	NM_008606.2	MMP11	0.209052643
ILMN_2685487	NM_181594.2	EDC4	0.208920617
ILMN_2637630	NM_145418.3	BC013529	0.208874832
ILMN_1236368	NM_175423.3	ORAI1	0.20887123
ILMN_2749686	NM_025950.2	CDC37L1	0.208824635
ILMN_2680549	NM_029094.1	PIK3CB	0.208597838
ILMN_1214951	NM_018740.1	RAI12	0.208341172
ILMN_2695150		SMC5L1	0.208106129
ILMN_3005587	NM_029843.1	1700109H08RIK	0.207999287
ILMN_1225658	NM_011908.1	UBL3	0.207938781
ILMN_1221624	NM_134060.2	SLC35B3	0.207759748
ILMN_2454919	NM_194343.1	TRIM45	0.207639367
ILMN_2761188	XM_135030.4	IBTK	0.20749813
ILMN_2774701	NM_172300.3	UBE2Z	0.207413635
ILMN_2947568	NM_007836.1	GADD45A	0.207336429
ILMN_2749235	NM_145465.1	STK24	0.207328418
ILMN_1222071		C920004C08RIK	0.207251157
ILMN_2747229	NM_029780.3	RAF1	0.207135566
ILMN_2790246	NM_022331.1	HERPUD1	0.206903822
ILMN_1216117		4921514E18RIK	0.206804454
ILMN_3104414	NM_026695.2	ETFB	0.206703147
ILMN_1260441	NM_153780.1	2610044O15RIK	0.206663842
ILMN_2655429	NM_177681.3	ZFP12	0.206582278
ILMN_1224990		9530048I18RIK	0.206568395
ILMN_2948945	NM_144907.1	SESN2	0.206445777
ILMN_2596297	NM_010027.1	DDT	0.20643442
ILMN_2522571	NM_080793.5	SETD7	0.206357216
ILMN_2717045	NM_016764.3	PRDX4	0.206347148
ILMN_2987863	NM_011066.1	PER2	0.206316447

ILMN_1230048	NM_011814.2	FXR2	0.206263396
ILMN_2640348	NM_028839.3	TMEM110	0.206250624
ILMN_2508595	NM_011755.2	ZFP35	0.206135428
ILMN_2585112		1200008A14RIK	0.206095596
ILMN_2776377	NM_053198.2	SFXN4	0.206046827
ILMN_2496534	NM_027357.2	PSMD1	0.205914347
ILMN_2971286	NM_008913.1	PPP3CA	0.205894742
ILMN_2649129	NM_012010.3	EIF2S3X	0.205821647
ILMN_2989364	NM_001004149.1	ZFP366	0.205786041
ILMN_2781170	NM_146144.2	USP1	0.205699263
ILMN_2449335	NM_011750.1	SF1	0.20566268
ILMN_1237821	XM_974905.2	HECTD1	0.205619689
ILMN_1243558	NM_019721.2	METTL3	0.205588012
ILMN_2702857	NM_020573.1	OSBPL1A	0.205570861
ILMN_2670601	XM_001474115.1	CARS2	0.20551644
ILMN_2712066	NM_025801.1	PGD	0.205498604
ILMN_2706477	NM_031182.1	TCFAP4	0.205016149
ILMN_2932359	NM_009415.1	TPI1	0.204852963
ILMN_1216689	NM_009691.2	APLP2	0.204832962
ILMN_1220174	NM_146156.2	PDIK1L	0.204824012
ILMN_2662831	XM_979372.1	LOC665181	0.204749136
ILMN_2623032	NM_007935.1	EPC1	0.204308556
ILMN_2639665	NM_133345.2	ING4	0.204222709
ILMN_2421431		STX12	0.204186534
ILMN_2725595	XM_126580.1	THRA	0.204135349
ILMN_1221931	NM_022881.4	RGS18	0.204111045
ILMN_2975856	NM_028774.1	RNF6	0.203925388
ILMN_1233313		TRADD	0.203893009
ILMN_2733482	NM_145523.3	GCA	0.203867631
ILMN_2759770	NM_199469.1	NPLOC4	0.203843499
ILMN_2716514	NM_001005331.1	EIF4G1	0.203798816
ILMN_2848583	NM_019758.2	MTCH2	0.203749166
ILMN_1235926		A630072M18RIK	0.203681117
ILMN_2594644	NM_029044.2	LRRC48	0.203566262
ILMN_2594128	NM_176849.3	ARGLU1	0.203529665
ILMN_1247257	NM_010274.2	GPD2	0.20343918
ILMN_1234618		D630004K10RIK	0.203397444
ILMN_2629627	NM_026434.3	RBM18	0.203389169
ILMN_2874554	NM_175438.3	ALDH4A1	0.203379019
ILMN_2896483	NM_015810.1	POLG2	0.20336228
ILMN_2680262	NM_026329.2	POLR2G	0.203341808
ILMN_1213573	NM_029862.3	5930434B04RIK	0.203293198
ILMN_1227235	NM_013899.1	TIMM10	0.203195772
ILMN_1229500	NM_008504.2	GZMM	0.202987024
ILMN_2672544	NM_026229.3	GPR89	0.20296993
ILMN_1225252	NM_030121.3	ASB8	0.202943506

ILMN_2788121	NM_019682.2	DYNLL1	0.202767796
ILMN_2833495	NM_009748.2	BET1	0.202363277
ILMN_2589999		ARL10C	0.202326601
ILMN_1222716	NM_011890.4	SGCB	0.202324579
ILMN_2515431		D730003I15RIK	0.202299506
ILMN_2814976	NM_019661.2	YKT6	0.202247093
ILMN_2416791		SPG20	0.202150623
ILMN_2755666		APBB1IP	0.2021138
ILMN_2465338	NM_133779.2	PIGT	0.201974247
ILMN_2462431	NM_175450.4	WDR18	0.201937718
ILMN_2604467	NM_025339.3	TMEM42	0.201786779
ILMN_1229706	NM_153515.3	AMMECR1L	0.201745554
ILMN_2946901	NM_144793.1	SLC25A38	0.201661655
ILMN_2627895	NM_026695.2	ETFB	0.201658906
ILMN_2591440	NM_009834.1	CCRN4L	0.201463477
ILMN_1225360	NM_145393.3	YTHDF2	0.201366541
ILMN_1255447	NM_001081236.1	2410131K14RIK	0.201136573
ILMN_2767949	NM_153414.3	INTS9	0.201101096
ILMN_2777609	NM_009326.2	TCEA2	0.201085715
ILMN_2728189	NM_173747.3	GPKOW	0.201031505
ILMN_2963974	NM_177367.2	GEMIN4	0.200930031
ILMN_1230489	NM_133349.2	ZFAND2A	0.200912731
ILMN_2509928	NM_172569.3	UNK	0.200901973
ILMN_2634108	NM_007457.2	AP1S1	0.200708355
ILMN_2991912	NM_009001.3	RAB3A	0.200657362
ILMN_1231966	NM_019734.1	ASAH1	0.200565151
ILMN_2616989	NM_001081367.1	KCTD17	0.200488063
ILMN_1214917	NM_028122.3	SLC14A1	0.20045361
ILMN_2945348	NM_053108.2	GLRX	0.200270752
ILMN_2732642	NM_133727.1	KPTN	0.200175992
ILMN_2513041	NM_011680.1	USF2	0.200135035
ILMN_2747345	NM_026826.1	MRPS18C	0.200113728
ILMN_2456401		1810015C11RIK	0.200051187
ILMN_2974460	NM_153514.3	RHOBTB2	0.199871848
ILMN_2604097	NM_011431.2	EFTUD2	0.199648073
ILMN_2802263	NM_009923.1	CNP	0.199619767
ILMN_3100456	NM_001033908.1	MED22	0.19958908
ILMN_2510196		GTPBP1	0.199498666
ILMN_2497999	NM_178600.2	VKORC1	0.199481595
ILMN_2543929	XM_488549.3	2610036L11RIK	0.1992746
ILMN_1250409	NM_013683.1	TAP1	0.199040287
ILMN_1253618	NM_016892.3	CCS	0.198991325
ILMN_2946862	NM_009861.1	CDC42	0.19895783
ILMN_2616215	NM_134093.1	LETMD1	0.198792999
ILMN_1224609	NM_134138.1	PSMG2	0.198786324
ILMN_1227758	NM_133715.4	ARHGAP27	0.198786039

ILMN_2628045	NM_010925.2	RRP1	0.198583053
ILMN_2663065	NM_172865.2	MANEA	0.198569953
ILMN_1254167	NM_028922.2	PPAPDC2	0.19849762
ILMN_2617925	NM_198942.1	DHX57	0.19847737
ILMN_2791272	NM_008898.1	POR	0.198430155
ILMN_1252111	NM_022992.2	ARL6IP5	0.198011132
ILMN_1244324	NM_008231.3	HDGF	0.197830149
ILMN_2731629	NM_026892.1	EIF1B	0.197760311
ILMN_3003518	NM_172662.1	GTDC1	0.197649346
ILMN_1221810	NM_011818.2	GMCL1	0.197461018
ILMN_1228822	NM_031998.2	TSGA14	0.197384051
ILMN_1246408	XM_001478518.1	LOC100042427	0.197261443
ILMN_2737296	NM_153168.2	LARS2	0.197259273
ILMN_2760043	NM_018785.2	PRPF40A	0.197222809
ILMN_1225966	NM_018771.3	GIPC1	0.197211899
ILMN_2777247		POLD4	0.197210987
ILMN_1248267	XM_286230.5	E030030I06RIK	0.197199699
ILMN_1221110	NM_175266.4	EPM2AIP1	0.197199631
ILMN_3122081	NM_198004.2	5133401N09RIK	0.197191429
ILMN_1214647	NM_172674.2	PHF20	0.197131704
ILMN_1244993	NM_009734.1	AZI1	0.197100475
ILMN_2810539	NM_001081015.1	EG630499	0.196949556
ILMN_2602633	XM_913807.2	EG269105	0.196913203
ILMN_2631663	NM_145450.3	BC022687	0.196818548
ILMN_1257566	NM_029512.2	TTPAL	0.196505153
ILMN_2648746	NM_009739.3	BCKDK	0.19648448
ILMN_1232976	NM_026342.2	FAM114A2	0.196347891
ILMN_2853601	NM_011828.2	HS2ST1	0.196255715
ILMN_2847869	NM_181278.2	B230219D22RIK	0.196112394
ILMN_2776413	NM_019651.2	PTPN9	0.196057214
ILMN_2657190	NM_172518.2	FBXO42	0.196042738
ILMN_2749484		RFC2	0.195947485
ILMN_2972478	NM_198862.2	NLGN2	0.195915347
ILMN_2449449	NM_013844.2	ZFP68	0.195892247
ILMN_2885900	NM_133923.3	TTLL3	0.195887281
ILMN_3116330	NM_026307.2	CUTA	0.195797892
ILMN_2663366		POU2F1	0.195713559
ILMN_2804103	NM_172293.2	BC038822	0.195336743
ILMN_1258601	NM_018871.2	YWHAG	0.195327147
ILMN_2497268	NM_011715.2	WDR1	0.195231662
ILMN_2536053	XM_619852.3	LOC545487	0.195189176
ILMN_1242333	NM_053122.3	IMMP2L	0.195135208
ILMN_2928320	NM_013477.2	ATP6V0D1	0.195094643
ILMN_2984828	NM_008529.2	LY6E	0.194802459
ILMN_2650547	NM_008316.2	HUS1	0.194761153
ILMN_1252302	NM_009315.3	TAF6	0.194720509

ILMN_1253221		0610030G03RIK	0.194634032
ILMN_1246785		RAI3	0.194430831
ILMN_2525829	NM_145943.1	BC031781	0.194392159
ILMN_2914880	NM_020050.1	TMEM9B	0.194225509
ILMN_2618423	NM_173002.2	ZXDC	0.194005065
ILMN_3092673	NM_212470.2	0610007C21RIK	0.193962441
ILMN_3005266	NM_053068.2	CHRAC1	0.193907637
ILMN_1224561	XM_001476892.1	LOC100041725	0.193839433
ILMN_2889313	NM_029081.1	5730419I09RIK	0.193750833
ILMN_2885196	NM_001033420.2	DOCK1	0.193548669
ILMN_2949844	NM_030721.2	ACOX3	0.193482359
ILMN_2795520	NM_001001892.1	H2-K1	0.193405416
ILMN_3090728	NM_001039391.1	PKIG	0.193263674
ILMN_2439645		2810050O03RIK	0.193111454
ILMN_2613696	NM_026718.2	ANKRD13A	0.193023198
ILMN_1248602		MYOHD1	0.192873597
ILMN_2716511	NM_133648.1	SLC12A6	0.19284819
ILMN_2975956	NM_175102.3	SF3B5	0.192790951
ILMN_2438962		2900054C01RIK	0.192746315
ILMN_1237140	NM_133953.2	SF3B3	0.192733598
ILMN_2780915	NM_145404.1	PRMT7	0.192594874
ILMN_1227212	NM_028814.2	2810403A07RIK	0.192451656
ILMN_2698046	NM_213659.2	STAT3	0.192059991
ILMN_2738629	NM_133240.1	ACOT8	0.19190234
ILMN_1254705	NM_025313.1	ATP5D	0.191426041
ILMN_3005441	NM_026438.2	PPA1	0.191409207
ILMN_1258789	NM_172677.2	YTHDF3	0.191380791
ILMN_2418524		NUMB	0.19131355
ILMN_2679532	NM_025410.2	LAGE3	0.191248945
ILMN_2770876	XM_001478884.1	LOC100047800	0.191247572
ILMN_1242352	NM_019800.3	ACP6	0.191202936
ILMN_1252497		2810430B18RIK	0.191000024
ILMN_1247318	XM_983827.1	CRAMP1L	0.190957759
ILMN_1244536		HNRPA1	0.190939203
ILMN_2864290	NM_172513.2	BC049806	0.190912378
ILMN_2860501	NM_145616.2	LRRC49	0.19085954
ILMN_2759669	NM_001008422.1	SCAF1	0.190764826
ILMN_2941972	NM_001029876.1	URB2	0.190756915
ILMN_3141993	NM_001079513.1	ZBTB33	0.190747386
ILMN_1237311	NM_027931.2	TARS2	0.190676116
ILMN_1236805		9630013D22RIK	0.190655428
ILMN_2689880	NM_010361.1	GSTT2	0.190419897
ILMN_1215951	NM_138315.1	MICAL1	0.190346374
ILMN_2478092		RNMT	0.190302722
ILMN_1235979	NM_018868.2	NOL5	0.190293336
ILMN_1253681	XM_906947.2	LOC433546	0.189978212

ILMN_1217723	NM_025303.2	STAU2	0.189745568
ILMN_2624862	NM_029519.3	RAP2A	0.189665688
ILMN_2513570		AW123240	0.189664456
ILMN_2516801		4930563B10RIK	0.189577746
ILMN_1237485	XM_912979.2	2310040A07RIK	0.189462127
ILMN_2705935	NM_008705.4	NME2	0.189322649
ILMN_1231939	NM_173763.3	CCBL2	0.189313867
ILMN_2517483		D15BWG0759E	0.189197012
ILMN_2982985	NM_024254.2	2410042D21RIK	0.188735745
ILMN_2483811		2210408F11RIK	0.188560172
ILMN_1234412	XR_030796.1	LOC674427	0.188346595
ILMN_3161813	NM_028006.2	TUBE1	0.188339918
ILMN_2638977	NM_001033318.3	COG7	0.188269791
ILMN_1220340		ZFP496	0.188103368
ILMN_2611993	NM_001042655.1	TBC1D17	0.188077691
ILMN_2522765	NM_027927.3	INTS12	0.18789683
ILMN_2722650	XM_001472871.1	LOC100044776	0.18786356
ILMN_1248039		MTDNA_COXII	0.187759637
ILMN_2714796	NM_009898.2	CORO1A	0.187735134
ILMN_1227163	NM_027350.2	NARS	0.187588045
ILMN_2647435	NM_019713.3	RASSF1	0.187401559
ILMN_1253666	NM_013700.1	USP5	0.187373933
ILMN_1223907	XR_005167.1	4933427G23RIK	0.187308955
ILMN_1251236	NM_172721.2	FBXW8	0.187225728
ILMN_2614486	NM_009057.2	RAG1AP1	0.187121524
ILMN_2900216	NM_026684.1	NDUFB10	0.187036188
ILMN_2850450	NM_009686.1	APBB2	0.186947459
ILMN_1222813	XM_001473941.1	LOC100045542	0.186850337
ILMN_2543974	XR_032081.1	LOC667251	0.18684624
ILMN_2795022	NM_027149.2	WDR20A	0.186830535
ILMN_2668706	NM_027216.4	SLC39A11	0.186797249
ILMN_2668020	NM_021889.4	SYT9	0.186719572
ILMN_2630459	NM_009911.2	CXCR4	0.186574703
ILMN_2999447	NM_021437.1	1700123O20RIK	0.186482542
ILMN_2507810		MTDNA_ND5	0.186091411
ILMN_1241726	XM_976343.2	FRY	0.186062003
ILMN_2780167	NM_145131.1	PITRM1	0.185988839
ILMN_1239234		2010309L07RIK	0.185980054
ILMN_1246449		2210419D22RIK	0.185685781
ILMN_2605417	NM_025747.3	4933411K20RIK	0.185651278
ILMN_2529519	XM_143986.2	LOC230592	0.18560442
ILMN_2985111	NM_172717.1	CHFR	0.185408969
ILMN_2665161	NM_177619.2	MYST2	0.185353119
ILMN_2846803	NM_145358.1	CAMKK2	0.184987424
ILMN_1218934	NM_025654.2	RDM1	0.184912235
ILMN_2452237	NM_021884.3	TSG101	0.184890902

ILMN_3162347	NM_053015.2	MLPH	0.184778164
ILMN_1224333	NM_176840.2	OSBPL11	0.184772875
ILMN_2710784	NM_134118.3	GPSN2	0.184771688
ILMN_2978040	NM_177369.3	MYH8	0.184699099
ILMN_1240136	XM_354819.1	LOC380906	0.184683035
ILMN_2624809	NM_172135.2	MTERF	0.184571552
ILMN_1213862	NM_027804.2	USP19	0.184453653
ILMN_2763182	NM_181279.1	BRE	0.184423659
ILMN_2501919	NM_001042708.1	ILF3	0.184419378
ILMN_2948971	NM_134060.2	SLC35B3	0.184119424
ILMN_1229971	NM_016686.3	VEZF1	0.184072125
ILMN_1249142	XM_001476801.1	LOC100046781	0.183982208
ILMN_2823796	NM_013827.2	MTF2	0.183915794
ILMN_2765287	NM_026618.1	CCDC56	0.183879912
ILMN_2871249	NM_017473.1	RDH7	0.18361137
ILMN_2620517	NM_011550.2	MLX	0.183600764
ILMN_2601865	NM_026851.2	MRPL52	0.18353325
ILMN_2599295	NM_028762.1	RBM19	0.183470527
ILMN_1227824	NM_028792.2	JOSD1	0.183392372
ILMN_2503715	XM_127105.8	TTC7B	0.183235675
ILMN_1235982	NM_018740.1	RAI12	0.183123543
ILMN_2798674	NM_173382.1	2810046L04RIK	0.182922414
ILMN_2692421	NM_028412.1	CIZ1	0.182743402
ILMN_2994744	NM_199476.1	RRM2B	0.182631701
ILMN_2765080	NM_016736.2	NUB1	0.182628759
ILMN_1215733	NM_023149.2	CNDP2	0.182582941
ILMN_2602161	XM_128733.4	AI255170	0.182378114
ILMN_2770926	NM_007456.3	AP1M1	0.182340344
ILMN_2681670	NM_177876.4	VPS37B	0.182303169
ILMN_2724386	XM_001478127.1	LOC100046898	0.182164484
ILMN_2885532	NM_009949.1	CPT2	0.181820312
ILMN_2846373	NM_019936.1	CRIP1	0.18175518
ILMN_3114759	NM_001047436.1	PARD6A	0.181691916
ILMN_2534018	XM_988312.1	PDSS2	0.181683909
ILMN_2611767	NM_022420.1	GPRC5B	0.181646763
ILMN_2796651	NM_011014.1	OPRS1	0.181512423
ILMN_2606700	NM_001081981.1	NFIX	0.181232023
ILMN_1252597	XM_911881.2	1110033M05RIK	0.181206716
ILMN_1238533	NM_178640.2	B3GALNT2	0.181187712
ILMN_2722704	NM_011590.2	TIMM17A	0.181163393
ILMN_2761472	NM_013587.2	LRPAP1	0.181084024
ILMN_2424555	NM_026107.2	ZKSCAN6	0.181071154
ILMN_3006575	NM_182995.1	6330503K22RIK	0.18105112
ILMN_2996561	NM_026582.3	GPR177	0.181007536
ILMN_2514924		FCMD	0.181005397
ILMN_1229984	XM_132529.2	2700092H06RIK	0.180997781

ILMN_2776922		GLRX1	0.180413008
ILMN_2551227		E430039I23RIK	0.180394557
ILMN_2451470	NM_139061.3	VPS54	0.180368065
ILMN_2635348	NM_177128.3	IQCB1	0.180280588
ILMN_1234072	NM_016861.3	PDLIM1	0.180178675
ILMN_2490287	XM_001002437.1	HCFC2	0.180067206
ILMN_1215810	NM_026902.3	MCTS1	0.180047431
ILMN_1246148		DGKD	0.180029482
ILMN_1257360	NM_026318.2	2310003F16RIK	0.179859868
ILMN_2732848	NM_178598.2	TAGLN2	0.179494748
ILMN_2852067	NM_026070.1	CCDC53	0.179471252
ILMN_2802601	NM_026591.1	MRPL24	0.179429017
ILMN_1219213		1810058M03RIK	0.179307622
ILMN_2455178	NM_145576.1	ZFP212	0.179271202
ILMN_2750314	NM_207525.1	D630048P19RIK	0.17922072
ILMN_2756460	NM_020009.1	FRAP1	0.179035654
ILMN_1220353	NM_010411.2	HDAC3	0.178970948
ILMN_2656362	XR_034733.1	LOC677528	0.178940133
ILMN_1258594	NM_001004190.3	ZFP560	0.178692753
ILMN_2944413	NM_018747.3	AKAP7	0.178595938
ILMN_1239113	NM_025578.2	MRPS25	0.178453859
ILMN_1213307	NM_153088.1	CTDSP1	0.178085906
ILMN_1248658		1110001P04RIK	0.177975756
ILMN_2881477	NM_009498.3	VAMP3	0.177712667
ILMN_2773464	NM_007905.1	PHC1	0.177674514
ILMN_1244059	NM_013881.3	ULK2	0.177610901
ILMN_2919850	NM_008511.2	LRMP	0.177476837
ILMN_2899133	NM_001080769.1	UHRF1BP1	0.17742742
ILMN_2959974	NM_026891.2	CDAN1	0.177374068
ILMN_1241970	NM_011752.2	ZFP259	0.177324764
ILMN_2486600	NM_001048250.2	2810008M24RIK	0.177159245
ILMN_2686994	NM_144787.1	JMJD2C	0.177143807
ILMN_2916571	NM_008369.1	IL3RA	0.176996363
ILMN_1221732	NM_010312.4	GNB2	0.176863826
ILMN_1222829	NM_026748.1	INTS1	0.176841889
ILMN_1255614	NM_198664.3	TBC1D2	0.176641726
ILMN_1232120	NM_024210.2	2310033P09RIK	0.176586218
ILMN_2483638	NM_198416.2	ZZZ3	0.176543321
ILMN_1244799	NM_138592.3	USP39	0.176503419
ILMN_3007898	NM_172262.1	AOF1	0.176459066
ILMN_1240075	XR_034550.1	LOC100048384	0.176454071
ILMN_2663186	NM_009837.1	CCT4	0.176136163
ILMN_2618793	NM_012002.3	COPS6	0.176094646
ILMN_2637698	NM_027861.2	0610010K06RIK	0.176069866
ILMN_1247490	NM_021493.2	4933428G20RIK	0.175988949
ILMN_2618634	XM_207079.2	SPNA2	0.175846671

ILMN_2444201		4930579E17RIK	0.175819167
ILMN_2946873	NM_172625.1	D030070L09RIK	0.175624247
ILMN_3042059	NM_001025360.1	KNS2	0.175612756
ILMN_1217102	NM_145853.2	TPCN1	0.175498524
ILMN_1235176	NM_011634.3	TRAIP	0.175484107
ILMN_1249755	NM_207302.1	ZRANB1	0.175324787
ILMN_2883392	NM_016740.3	S100A11	0.175239546
ILMN_3066222	NM_026799.2	RNASEN	0.175208101
ILMN_1225291	XR_002223.1	LOC668631	0.175154668
ILMN_3154351	NM_029869.1	ZKSCAN1	0.175124731
ILMN_2820948	NM_010022.1	DBT	0.174900967
ILMN_1227006	NM_027013.1	SCNM1	0.174894159
ILMN_2698353	NM_029456.1	SAPS3	0.174583375
ILMN_3146204	NM_178239.2	NDOR1	0.174507031
ILMN_2943319	NM_024205.1	1200003C05RIK	0.174296957
ILMN_1256128	XM_001476518.1	LOC100046469	0.174248412
ILMN_2737979	NM_001081041.1	1110014N23RIK	0.173986705
ILMN_2873174	NM_021393.1	A730008L03RIK	0.173940202
ILMN_2443794		6230416J20RIK	0.173908736
ILMN_2783557	NM_145582.1	ATPBD3	0.173895341
ILMN_3132204	NM_001039055.1	POFUT1	0.173890534
ILMN_2619286	NM_019400.1	RABEP1	0.173685881
ILMN_1216669	NM_030075.1	KLHDC8B	0.173398543
ILMN_2642462	XM_289699.2	GTF2I	0.173241433
ILMN_2909346	NM_178907.1	MAPKAPK3	0.173155769
ILMN_1235786	NM_080633.2	ACO2	0.173065908
ILMN_2662814	XM_001476501.1	LOC100045983	0.172911055
ILMN_2762255	NM_198613.1	AP2S1	0.1728729
ILMN_1214578	NM_173863.2	CRTC3	0.172482599
ILMN_1255193		A630034I12RIK	0.172348014
ILMN_1249334	NM_026552.2	ARPC4	0.172247676
ILMN_2666438	XM_001480232.1	LOC100048301	0.172209335
ILMN_2955883	NM_019780.1	VPS29	0.172023502
ILMN_2674324	NM_022653.3	THOP1	0.171832662
ILMN_1256150		C730023J07RIK	0.171814234
ILMN_1260412	NM_001081145.1	TIGD2	0.171789491
ILMN_2683128	NM_009908.1	CMAS	0.171543788
ILMN_2908780	NM_029354.1	2410018G20RIK	0.171444737
ILMN_2777706		MRPS12	0.171310689
ILMN_2954858	NM_010629.1	KIFAP3	0.171192335
ILMN_1251370	NM_019443.2	NDUFA1	0.1711357
ILMN_1240994	NM_011843.2	MBC2	0.170699417
ILMN_2764127	XM_001478658.1	LOC100047675	0.170698503
ILMN_2443644	NM_025985.4	UBE2G1	0.170697399
ILMN_2752206	XM_001480708.1	LOC100048504	0.170405242
ILMN_1238376	NM_010749.6	M6PR	0.170380456

ILMN_2685849	NM_028274.2	EXOSC6	0.16975436
ILMN_2874491	NM_139064.1	TNIP2	0.169684604
ILMN_2511953	NM_134131.1	TNFAIP8	0.169612738
ILMN_2723024	NM_030565.5	BC004044	0.169148367
ILMN_2762397	NM_025785.2	FBXO25	0.169030978
ILMN_2744459		ALG3	0.168989964
ILMN_2449725	NM_026431.2	1810043G02RIK	0.168985983
ILMN_1228808	NM_145149.3	RASGRP4	0.168768414
ILMN_2958484	NM_178420.2	NLRX1	0.16863868
ILMN_2701855	NM_029629.1	FAHD2A	0.168509823
ILMN_2707771	NM_016679.3	KEAP1	0.168365784
ILMN_1231058		8030481K01RIK	0.168350837
ILMN_1248860	XM_130951.1	DPM3	0.168117281
ILMN_1248907	NM_009005.1	RAB7	0.168067087
ILMN_3118707	NM_009192.2	SLA	0.167998734
ILMN_1244226	NM_016784.3	PLRG1	0.167916812
ILMN_2769672	NM_177899.3	D330038O06RIK	0.167822614
ILMN_2512849	NM_025641.3	UQCRH	0.167781249
ILMN_2500434	XM_001478355.1	1500011B03RIK	0.167671914
ILMN_2636666	NM_011172.1	PRODH	0.167396071
ILMN_2755483	NM_134112.4	KCTD1	0.167090363
ILMN_3000456	NM_211355.1	SMEK1	0.167056541
ILMN_1377918	XM_001479832.1	LOC100048105	0.166979709
ILMN_1244819		SPG20	0.166843202
ILMN_1213345	XM_154842.2	LOC239151	0.166606854
ILMN_2765513	NM_008443.3	KIF3A	0.166371803
ILMN_2620304	NM_019722.3	ARL2	0.166320519
ILMN_1230799	NM_054102.2	IVNS1ABP	0.166248552
ILMN_2720047	XM_139515.3	AW124722	0.165999344
ILMN_2727309	XM_001471696.1	LOC100044204	0.165039713
ILMN_2724294	NM_024198.3	GPX7	0.164984677
ILMN_2957904	NM_138668.1	UFSP2	0.164893483
ILMN_1213838	NM_175164.4	ARHGAP26	0.164859045
ILMN_1228349	NM_011365.2	ITSN2	0.164802279
ILMN_2678218	NM_008610.2	MMP2	0.164726351
ILMN_2716464	NM_027352.3	GORASP2	0.164634818
ILMN_2998303	NM_011835.1	KATNA1	0.164515372
ILMN_1256971	NM_008683.3	NEDD8	0.164453809
ILMN_2717470	NM_028717.3	ALS2	0.164428894
ILMN_1218248		FBP3	0.16441536
ILMN_2941728	NM_025424.1	NENF	0.164395896
ILMN_2758502	NM_011796.1	CAPN10	0.164312287
ILMN_2855066	NM_011290.3	RPL6	0.164299961
ILMN_2895908	NM_178935.2	4932441K18RIK	0.163966736
ILMN_2774528		RWDD2	0.163833551
ILMN_1257579	NM_018815.1	NUP210	0.163706041

ILMN_2995290	NM_010064.1	DYNC112	0.163460476
ILMN_2672767	NM_021895.2	ACTN4	0.163441431
ILMN_2785104	NM_146083.1	SFRS7	0.163400502
ILMN_2742599	NM_010906.2	NFIX	0.163356383
ILMN_2794844	NM_145601.1	BC016201	0.163167168
ILMN_1257666	NM_145928.1	TSPAN14	0.16313529
ILMN_1214091		9830118G07RIK	0.162853754
ILMN_2687612	NM_001042699.1	4831426I19RIK	0.162796865
ILMN_1225056	NM_177870.4	SLC5A6	0.16272425
ILMN_2680852	NM_176923.3	WDR59	0.162600254
ILMN_1215275	NM_001024458.2	ADD1	0.162495988
ILMN_3104025	NM_178283.3	ASB13	0.162293535
ILMN_2594714	NM_011809.2	ETS2	0.162246345
ILMN_1250774	NM_010786.3	MDM2	0.162203206
ILMN_2606947	NM_019712.3	RBX1	0.161929108
ILMN_1248079	NM_172700.2	ZMPSTE24	0.161864543
ILMN_1227459	NM_028758.2	GGA2	0.161395454
ILMN_2935999	NM_022022.1	UBE4B	0.161164398
ILMN_1220440	NM_027351.2	PPIL3	0.161050386
ILMN_2934532	NM_134129.2	PRPF19	0.160269962
ILMN_2652384	NM_008784.2	IGBP1	0.160231198
ILMN_1217943	NM_026908.3	CAB39L	0.160127383
ILMN_1252310	NM_001003963.2	DNMT3B	0.160046064
ILMN_2776721		GYK	0.159706719
ILMN_2671517	NM_009091.1	RPS15	0.159667294
ILMN_2563186		RIL-PENDING	0.159587371
ILMN_2531550	XM_148897.3	LOC225897	0.159239112
ILMN_2892292	NM_133981.1	ALG9	0.1591023
ILMN_2916489	NM_017463.1	PBX2	0.159073347
ILMN_1219088	NM_025514.2	D10ERTD641E	0.159037528
ILMN_2719687	NM_024442.1	CYP4F16	0.158839201
ILMN_2455699	NM_018793.2	TYK2	0.158810307
ILMN_1252490	NM_026476.1	2610101N10RIK	0.15864119
ILMN_3139103	NM_009614.2	ADAM15	0.158119113
ILMN_3123120	NM_001080127.1	RNPS1	0.157964686
ILMN_2799361	NM_021327.1	TNIP1	0.157872018
ILMN_2729861		BZW1	0.156976311
ILMN_2765015	NM_021876.2	EED	0.156871249
ILMN_1224859	NM_153175.3	GIMAP6	0.156542558
ILMN_2924088	NM_026531.2	ISG20L1	0.156275893
ILMN_1242037		4833406C17RIK	0.156110028
ILMN_2941033	NM_172555.1	PAPOLG	0.155887875
ILMN_2695718	NM_173048.2	GGA3	0.155867753
ILMN_2479359	NM_016963.2	TMOD3	0.155385723
ILMN_2702002	XM_284344.2	FBS1	0.155242826
ILMN_2959956	NM_029956.2	MMAB	0.154797946

ILMN_3002181	NM_134084.1	PPIF	0.154709287
ILMN_2873131	NM_001025246.1	TRP53I11	0.154434088
ILMN_2693976	NM_010880.3	NCL	0.154358432
ILMN_2848548	NM_011220.2	PTS	0.154147901
ILMN_2523777	NM_013916.1	AL022832	0.154063488
ILMN_3146224	NM_198653.1	IARS2	0.153510623
ILMN_2990220	NM_001004143.2	USP22	0.153149736
ILMN_1377924	NM_008084.2	GAPDH	0.1531314
ILMN_2857086	NM_198102.2	TRA2A	0.152948529
ILMN_2628892	NM_021514.3	PFKM	0.152341911
ILMN_2775512		EI24	0.152304791
ILMN_2865558	NM_029929.2	VPS33A	0.152031761
ILMN_1223285	NM_001002012.1	HSPA2	0.151923115
ILMN_2419841		SILG111	0.151718307
ILMN_1247078	NM_139144.2	OGT	0.151016614
ILMN_1259355	NM_134033.1	CCDC117	0.150944714
ILMN_2675232	NM_008940.2	KLK8	0.150792244
ILMN_1213290	NM_001077696.1	HDAC5	0.150553758
ILMN_3006219	NM_011815.1	FYB	0.150341407
ILMN_3006643	NM_198127.1	ABI2	0.15013221
ILMN_1224516	NM_032008.3	SLMAP	0.149770892
ILMN_2723931	NM_033270.1	E2F6	0.149692357
ILMN_2705268	NM_013795.4	ATP5L	0.149681046
ILMN_2705003		PPP3CB	0.149201512
ILMN_2637714	NM_009025.2	RASA3	0.148770373
ILMN_1221451	NM_001033326.2	DHRX	0.148355478
ILMN_1253539	XR_031980.1	LOC432554	0.147916147
ILMN_2515349	NM_009564.1	ZFP64	0.147279811
ILMN_2659644	NM_008928.3	MAP2K3	0.146937811
ILMN_1230119		GCAP27	0.146688069
ILMN_3120014	NM_001080974.1	SRI	0.146255167
ILMN_2592515		D1ERTD396E	0.145799931
ILMN_2859659	NM_027151.1	DCTN2	0.145753784
ILMN_2701824	NM_177700.3	ATMIN	0.145547751
ILMN_1240590	NM_026267.2	NECAP1	0.145335133
ILMN_2766755		1700012H17RIK	0.14530338
ILMN_1251143	NM_175169.2	9130415E20RIK	0.145236226
ILMN_2834370	NM_025530.1	CUTC	0.144591179
ILMN_1228242	XM_001003466.1	ZFP383	0.144080245
ILMN_1218571	NM_007839.2	DHX15	0.143807556
ILMN_2739698	NM_027295.2	RAB28	0.143804919
ILMN_1242264	NM_009297.1	SUPT6H	0.143667235
ILMN_1220078		A230061B10RIK	0.143635872
ILMN_1220309	NM_001081122.1	CEP63	0.143563754
ILMN_2991263	NM_178750.4	SS18L1	0.143030149
ILMN_1246999	XR_034818.1	LOC677205	0.1427722

ILMN_1215004	NM_173350.1	OSBPL9	0.142482807
ILMN_1232903	NM_028250.2	ACBD6	0.142455232
ILMN_2860480	NM_023142.1	ARPC1B	0.140689395
ILMN_2600274	NM_009941.1	COX4I1	0.139194302
ILMN_2747552	NM_030236.1	FBXO34	0.138300162
ILMN_2705128	NM_139063.1	MUTED	0.135217005
ILMN_1239370	NM_009169.2	SHFM1	0.132207359
ILMN_2866856	NM_010386.2	H2-DMA	-0.137102118
ILMN_2602588	NM_172735.2	ZC3HC1	-0.140180546
ILMN_2606243	NM_016891.3	PPP2R1A	-0.141119499
ILMN_2877069	NM_009775.2	TSPO	-0.141897211
ILMN_2781602	NM_025409.1	IER3IP1	-0.143562227
ILMN_2638875	NM_007748.3	COX6A1	-0.14398175
ILMN_2558125	XM_912399.2	NAT11	-0.144050161
ILMN_2912239	NM_008292.2	HSD17B4	-0.144348032
ILMN_1216709		PBX4	-0.144359271
ILMN_2670517	NM_145927.2	FNTB	-0.144720738
ILMN_2744217	NM_017407.1	SPAG5	-0.144895045
ILMN_3160792	XR_030655.1	LOC666676	-0.145058634
ILMN_2705848	NM_011933.1	DECR2	-0.145388797
ILMN_1256234	NM_008254.1	HMGCL	-0.14569129
ILMN_2681030	XM_894495.2	EG629595	-0.146367959
ILMN_1225191	NM_172607.3	NAPRT1	-0.146603753
ILMN_2435140	NM_025899.2	UQCRC2	-0.147184982
ILMN_2987844	NM_133656.2	CRK	-0.147651515
ILMN_2718861	NM_001083882.1	1600012H06RIK	-0.148014687
ILMN_1235741	NM_007418.2	ADRA2C	-0.149768367
ILMN_1247129		ZFP26	-0.149845482
ILMN_1260261	NM_021438.2	FIBP	-0.150463222
ILMN_2949275	NM_177684.2	ZFP637	-0.150546645
ILMN_1258671		FBXW2	-0.151059139
ILMN_1212637	NM_027400.2	LMAN1	-0.151750347
ILMN_2551055		C030014F05RIK	-0.151800314
ILMN_2617112	NM_008233.2	HDGFRP2	-0.152032064
ILMN_2643150	NM_133941.2	DHX32	-0.152176944
ILMN_1237034	NM_133886.2	AU040320	-0.152629028
ILMN_1217709	XM_357733.1	LOC384593	-0.153111605
ILMN_3009910	NM_026453.1	RBM13	-0.153380245
ILMN_1259473	NM_007999.3	FEN1	-0.153545238
ILMN_1255473	NM_025334.3	TXNDC12	-0.153742271
ILMN_2842999	NM_138583.1	D16H22S680E	-0.154725591
ILMN_2579025		A430079D01RIK	-0.154820226
ILMN_2541142	XM_356076.1	LOC382010	-0.155435264
ILMN_2523794	NM_177055.2	A630001G21RIK	-0.155500154
ILMN_1259482	NM_008774.2	PABPC1	-0.155522353
ILMN_3007862	NM_029631.2	ABHD14B	-0.155823002

ILMN_1225124		UBR1	-0.156032884
ILMN_2679037	XM_001476984.1	LOC100046883	-0.156347778
ILMN_1223041		ABI3	-0.156348926
ILMN_2654442	NM_145958.1	KBTBD2	-0.156466378
ILMN_2862214	NM_025392.1	BCCIP	-0.156632364
ILMN_2807665	NM_029645.2	2010003O18RIK	-0.157088367
ILMN_1251184	NM_010938.3	NRF1	-0.157167972
ILMN_1245731	NM_008245.3	HHEX	-0.157176577
ILMN_1245471	NM_145964.2	BC002199	-0.157188795
ILMN_1216388	NM_025692.2	UBA5	-0.157264606
ILMN_1216823	NM_001081359.1	UBR5	-0.157310172
ILMN_2455637	NM_028404.2	TOP1MT	-0.157447276
ILMN_1216116	NM_031878.1	SMARCD2	-0.157464427
ILMN_2470333	NM_144937.3	USP3	-0.157781628
ILMN_2978163	NM_010911.1	NFS1	-0.158026003
ILMN_1215910	NM_180974.3	FOXN2	-0.158341426
ILMN_2752948	NM_025588.2	EXOC2	-0.158406897
ILMN_2850839	NM_011509.1	100041294	-0.158425014
ILMN_2806188	NM_028031.1	ZDHHC13	-0.158511153
ILMN_1254523	NM_010362.2	GSTO1	-0.158762111
ILMN_2746421	NM_028722.1	4121402D02RIK	-0.158832163
ILMN_2617228	NM_011497.3	AURKA	-0.159045922
ILMN_2445021	NM_012039.1	ZW10	-0.159055311
ILMN_2688345	XM_126043.3	H2AFV	-0.159354305
ILMN_2688834	NM_028221.3	2310065K24RIK	-0.159490847
ILMN_2894984	NM_025598.1	2700038C09RIK	-0.159502847
ILMN_2436634		MTDNA_ATP8	-0.16046567
ILMN_2837855	NM_022309.2	CBFB	-0.160636339
ILMN_3013144	NM_001080949.1	TTC5	-0.161392032
ILMN_2834777	NM_008390.1	IRF1	-0.161469873
ILMN_2491301	NM_024258.1	USP16	-0.161800772
ILMN_1214934	NM_030248.1	CDK5RAP3	-0.161838585
ILMN_2701562		2610103J23RIK	-0.161875074
ILMN_1214521	XR_032986.1	LOC623453	-0.161895145
ILMN_1216437		RTN3	-0.161937211
ILMN_2744280	NM_019870.1	ARD1	-0.162014665
ILMN_2624977		A730024F05RIK	-0.162051229
ILMN_2965526	NM_026157.2	PAPD1	-0.162250338
ILMN_2758452	NM_008258.1	HN1	-0.162266188
ILMN_2658407	NM_198093.2	ELMO1	-0.162410731
ILMN_2494244	NM_011695.2	VDAC2	-0.162529598
ILMN_2650106	NM_198006.3	6330578E17RIK	-0.16261696
ILMN_2955806	NM_029802.2	ARFIP2	-0.162738866
ILMN_2657546	NM_011991.1	COPS3	-0.163227962
ILMN_2914010	NM_010058.1	DMWD	-0.163333657
ILMN_2862619	NM_010247.1	XRCC6	-0.163343458

ILMN_2737158	NM_027922.1	ANKLE2	-0.163357815
ILMN_2595519	NM_010715.2	LIG1	-0.163390513
ILMN_1226882	XM_001479252.1	LOC100047839	-0.163434519
ILMN_2908070	NM_013882.1	GTSE1	-0.163487965
ILMN_1236107	XM_973033.1	OGFRL1	-0.163667999
ILMN_2528793	XM_358587.1	LOC381466	-0.16371237
ILMN_1226652	NM_177588.2	THNSL1	-0.163749148
ILMN_3016674	NM_001013392.3	RREB1	-0.163885944
ILMN_1258961		HRB	-0.164235577
ILMN_2527419	XM_135563.3	LOC236223	-0.164345644
ILMN_2857326	NM_172116.2	PDDC1	-0.16452479
ILMN_1241307	NM_153516.2	BCL2L13	-0.164758089
ILMN_2529932	XR_034995.1	LOC385905	-0.164983923
ILMN_1239890		D430043P15RIK	-0.165066237
ILMN_2650439	NM_013814.2	GALNT1	-0.165072116
ILMN_1221142	NM_011145.3	PPARD	-0.165298171
ILMN_2946466	NM_009668.1	BIN1	-0.165658518
ILMN_2724919	NM_013604.1	MTX1	-0.166009114
ILMN_1237615	XM_149157.1	1500002O10RIK	-0.166019172
ILMN_2958099	NM_007421.1	ADSSL1	-0.16607719
ILMN_2754698	NM_013489.1	CD84	-0.166135834
ILMN_2595383	NM_139229.2	COG8	-0.166274704
ILMN_1240839	NM_026680.4	GOLT1A	-0.166388962
ILMN_1252649	NM_013764.1	DGUOK	-0.166654888
ILMN_2482214		D930020L01	-0.16670195
ILMN_2846731	NM_025423.1	1110059E24RIK	-0.166811103
ILMN_2771396	NM_016781.2	PRKAG1	-0.167133552
ILMN_2757743	NM_022309.3	CBFB	-0.167505313
ILMN_2703886	NM_026758.3	MPHOSPH6	-0.167724874
ILMN_2624448	NM_146141.1	PPA2	-0.167808292
ILMN_1230243	NM_008136.2	GNAL1	-0.167879776
ILMN_1238628	XM_916662.2	2210016F16RIK	-0.168358255
ILMN_1230223	NM_001033447.2	GM960	-0.168594875
ILMN_2750011	NM_134189.2	GALNT10	-0.168711971
ILMN_2807750	NM_026643.2	2410017P07RIK	-0.169229879
ILMN_2665095	NM_027195.1	CASZ1	-0.169325158
ILMN_2596007	NM_028521.2	PHOSPHO2	-0.169716567
ILMN_1244024	NM_009884.3	CEBPG	-0.169920047
ILMN_2930819	NM_001012638.1	ACD	-0.170104295
ILMN_1233153	NM_011187.1	PSMB7	-0.170127325
ILMN_2787085	NM_029701.1	SPCS3	-0.170169515
ILMN_2633039	NM_001033310.2	COX18	-0.170274177
ILMN_2879848	NM_009176.2	ST3GAL3	-0.170342414
ILMN_2722542	NM_022994.2	DAP3	-0.170621121
ILMN_2674548	NM_178599.4	COMMD8	-0.170840963
ILMN_2669404	NM_010722.5	LMNB2	-0.170864912

ILMN_2772248		CAPNS1	-0.17090659
ILMN_2660414	NM_025442.3	ALG5	-0.170944782
ILMN_3139479	NM_001039189.1	FARS2	-0.1709725
ILMN_2722623	NM_145156.1	SLC25A28	-0.171319801
ILMN_2651190	NM_019650.2	GOSR2	-0.171453649
ILMN_2594899	NM_027485.2	MED26	-0.171656905
ILMN_2732308	NM_008910.2	PPM1A	-0.172264881
ILMN_2669172	NM_029249.2	4930547N16RIK	-0.172266737
ILMN_3163029	NM_001001327.1	VKORC1L1	-0.172303547
ILMN_2706057	NM_026009.1	2610204L23RIK	-0.172423126
ILMN_1240134	NM_001040396.2	2810407C02RIK	-0.172553701
ILMN_2728385	NM_025695.4	SMC6	-0.173069982
ILMN_2603660	XM_001471971.1	LOC100044324	-0.17307651
ILMN_1256618	NM_175205.2	4632419I22RIK	-0.173184367
ILMN_1249339	NM_029391.2	RAB4B	-0.173420209
ILMN_1214793	NM_025536.2	COMMD5	-0.173429396
ILMN_2589838	NM_025888.5	KCTD20	-0.173473222
ILMN_2698843	NM_026551.3	DCAKD	-0.173585518
ILMN_2998020	NM_026911.1	SPCS1	-0.17361574
ILMN_2879349	NM_181569.1	MARE	-0.17369361
ILMN_2830830	NM_178625.3	TMEM209	-0.173794343
ILMN_2608309		2900057D21RIK	-0.174146887
ILMN_1247221	NM_145567.1	HIBADH	-0.174241194
ILMN_1229667	NM_001083809.1	SLC43A1	-0.174371924
ILMN_3047301	NM_019816.1	AATF	-0.174409142
ILMN_1227035		B230322F03RIK	-0.174412691
ILMN_2907642	NM_025936.1	RARS	-0.174465838
ILMN_2474886		WHSC2	-0.174542682
ILMN_2669789	NM_198631.1	BC057627	-0.174807978
ILMN_2534090	XM_125952.4	LOC216443	-0.175027183
ILMN_2601281	XM_895770.2	EML2	-0.175052735
ILMN_2789544	NM_013853.1	ABCF2	-0.175247185
ILMN_1259048	NM_027315.3	UBE2Q1	-0.175400463
ILMN_2604256	XM_485050.5	LOC433464	-0.175439502
ILMN_1252290	NM_173368.2	CHD6	-0.175593597
ILMN_1213872	NM_178652.2	SUPT3H	-0.175642652
ILMN_2772389	NM_172150.4	IFT52	-0.175646729
ILMN_2682223	NM_145559.1	SLC2A9	-0.175925219
ILMN_3041056	NM_011513.2	MED22	-0.175947191
ILMN_2874071	NM_008249.2	TFB2M	-0.17614579
ILMN_1247814	NM_010247.2	XRCC6	-0.17653973
ILMN_2905386	NM_001081233.1	EG433923	-0.176707243
ILMN_1245492	NM_011306.3	RXRβ	-0.176728503
ILMN_1230991	XM_001478119.1	LOC100041835	-0.176750689
ILMN_2706631	XM_001479683.1	LOC100048076	-0.176946326
ILMN_1258046	XM_001472068.1	LOC100039001	-0.177571018

ILMN_2846317	NM_177992.2	GMPR2	-0.178006595
ILMN_2641705	NM_007661.3	CDC2L1	-0.178301778
ILMN_2713872	NM_173432.2	PSKH1	-0.178454238
ILMN_2450676		5530400K22RIK	-0.178672033
ILMN_2642052	XR_005252.1	3010003L21RIK	-0.178733746
ILMN_2539062	XM_355737.1	LOC381747	-0.17876293
ILMN_1232760	NM_178785.3	A430107D22RIK	-0.178799259
ILMN_2453695	NM_009478.3	UROD	-0.178940137
ILMN_2731424	NM_177768.2	BC038156	-0.178958125
ILMN_2988143	NM_139198.1	PLAC8	-0.17907326
ILMN_2778122	NM_011050.3	PDCD4	-0.179080597
ILMN_1222199		GLS	-0.179179256
ILMN_2524067	XM_130015.2	4933428L19RIK	-0.179318139
ILMN_2567803		C530045P18RIK	-0.179346511
ILMN_3150205	NR_002891.1	EG433224	-0.179362425
ILMN_2644504		RNASE4	-0.17949333
ILMN_1239720	NM_023423.3	AKIRIN1	-0.179497337
ILMN_2865239	NM_025878.1	MRPS18B	-0.180065797
ILMN_1247261	NM_008079.3	GALC	-0.180179355
ILMN_1249829	NM_008652.2	MYBL2	-0.180199258
ILMN_2835683	NM_001081032.1	EG667977	-0.180339387
ILMN_2545037		5730525O22RIK	-0.180440777
ILMN_2995755	NM_144866.3	ETF1	-0.180630051
ILMN_3161639	NM_023464.2	SSNA1	-0.180772105
ILMN_2618745	NM_181423.2	SUPV3L1	-0.18088481
ILMN_1229035	NM_146170.3	C87436	-0.181057645
ILMN_2520032	NM_025428.1	ZDHHC12	-0.181340901
ILMN_1222602	NM_175403.2	2410014A08RIK	-0.181379776
ILMN_2720930	NM_030749.1	SIL1	-0.181398902
ILMN_1256348	NM_133763.1	DNTTIP1	-0.181428965
ILMN_2429469		4930463P07RIK	-0.181561204
ILMN_2792362	NM_080446.1	HELB	-0.181783628
ILMN_1259962	NM_144825.2	TAOK1	-0.182145312
ILMN_2770414	NM_017475.2	RRAGC	-0.182196584
ILMN_2910627	NM_022816.1	ACOT10	-0.182282425
ILMN_1239645	NM_030109.1	SF3B2	-0.182359552
ILMN_1258372	NM_011069.2	PEX11B	-0.182554513
ILMN_1254565	NM_001024919.1	2310022M17RIK	-0.182589194
ILMN_1214738	NM_029949.3	SNAPC3	-0.182672926
ILMN_3151345	NM_173363.4	EIF5	-0.18272997
ILMN_1240415	XM_134668.2	LOC234987	-0.182808373
ILMN_2720522	XM_132236.4	HEL308-PENDING	-0.182833399
ILMN_1247543	XM_001472863.1	LOC100044692	-0.182884314
ILMN_3142384	NM_026081.5	GPRASP1	-0.182979197
ILMN_2976601	NM_019678.2	TFG	-0.183336627
ILMN_1232766	NM_178653.3	SCCPDH	-0.183348208

ILMN_2697248	NM_026669.3	TMBIM6	-0.183608328
ILMN_1246694	NM_026824.4	DUS1L	-0.184179814
ILMN_2549315	XM_001480665.1	2900097C17RIK	-0.184200187
ILMN_2790144	NM_025996.1	TOMM34	-0.184255238
ILMN_1227712	NM_134139.1	WDR74	-0.184290972
ILMN_3128992	NM_001033126.2	CD27	-0.184533115
ILMN_2762745	NM_008602.3	PIAS2	-0.184695446
ILMN_1257178	NM_175494.4	ZFP367	-0.184819546
ILMN_1248637	NM_026330.2	NSMCE1	-0.184872456
ILMN_2739517	NM_025297.1	MECR	-0.185200828
ILMN_1238032	NM_178729.3	FBXL5	-0.185261858
ILMN_1245579	NM_008413.2	JAK2	-0.185263571
ILMN_2607972	NM_178400.2	9130221H12RIK	-0.185388741
ILMN_1233589	NM_001033126.2	CD27	-0.185900578
ILMN_2595597	NM_028390.2	ANLN	-0.185980037
ILMN_1233759	NM_023066.2	ASPH	-0.18668688
ILMN_1243563	NM_153583.9	ATG4D	-0.186911946
ILMN_1238247	XM_356511.1	LOC382449	-0.187042161
ILMN_2484987	NM_010764.2	MAN2B1	-0.187082163
ILMN_1227357	NM_008028.2	FLOT2	-0.187160285
ILMN_2716195	NM_178197.1	HIST1H2BH	-0.187187038
ILMN_2773422	NM_001078649.1	TMEM134	-0.187208465
ILMN_2867899	NM_023223.1	CDC20	-0.187246206
ILMN_3097107	NM_027448.1	LCA5	-0.187463617
ILMN_2752618	NM_177766.2	SLC35E1	-0.187470291
ILMN_2683933	NM_130860.2	CDK9	-0.187655899
ILMN_2664049	NM_024177.3	MRPL38	-0.187749782
ILMN_2870688	NM_019805.2	ANAPC7	-0.187811537
ILMN_3050926	NM_147217.1	GPRC5C	-0.187929686
ILMN_1217396	NM_026654.1	4930584N22RIK	-0.188062686
ILMN_2618038	NM_172162.2	MIZF	-0.18811261
ILMN_2983093	NM_013768.1	PRMT5	-0.188151887
ILMN_2800881	NM_175287.2	A430005L14RIK	-0.188404469
ILMN_2972646	NM_028303.1	PDZD11	-0.18843229
ILMN_1248616	NM_001100596.1	LOC100038993	-0.188438748
ILMN_1216920	NM_026202.2	CCDC50	-0.18846092
ILMN_2648454	NM_172900.3	SIGLECG	-0.188507855
ILMN_2837226	NM_173748.2	NUDCD3	-0.188833134
ILMN_2651526	NM_177472.4	BTBD12	-0.188858985
ILMN_2740902	XM_001000692.2	MKI67	-0.189203648
ILMN_1245528	NM_025836.3	M6PRBP1	-0.189338189
ILMN_1227874	XM_001480260.1	LOC100048589	-0.189369437
ILMN_1229430	NM_133728.2	ASNSD1	-0.189431592
ILMN_1213456	NM_025522.3	DHRS7	-0.189531953
ILMN_1213449	NM_028636.2	MAN2C1	-0.189623934
ILMN_2860196	NM_011811.2	FARSB	-0.18965243

ILMN_2732961	NM_029409.2	MFF	-0.18984057
ILMN_1239569	NM_178069.5	LSG1	-0.189955512
ILMN_2956153	NM_023743.1	EIF4ENIF1	-0.189971024
ILMN_2932539	NM_009066.2	RING1	-0.190174612
ILMN_2604056	NM_145414.1	NSUN5	-0.190379757
ILMN_1234453	XM_001480197.1	LOC100043257	-0.190647987
ILMN_2599751	NM_030566.2	RABEP2	-0.190778786
ILMN_2754636	XM_916567.2	LOC639931	-0.191100366
ILMN_3107690	NM_028527.1	1700047I17RIK1	-0.19151545
ILMN_1256186	NM_021499.2	WDR8	-0.191558205
ILMN_2838199	NM_027030.1	DCPS	-0.191638946
ILMN_3158668	NM_008801.2	PDE6D	-0.191740402
ILMN_1218043		9630009A08RIK	-0.191756403
ILMN_2680406	NM_134064.1	RNF44	-0.191806812
ILMN_1244431	NM_001039089.1	SEL1L	-0.191911752
ILMN_3143116	NM_001081000.1	TRMT2A	-0.192011195
ILMN_2757445	NM_029852.2	CCDC41	-0.192089262
ILMN_1219565	NM_027346.1	CCDC44	-0.192117241
ILMN_2765032	NM_008433.3	KCNN4	-0.192285719
ILMN_2648867	NM_010911.1	NFS1	-0.192294153
ILMN_1248444	XM_484171.3	BC002230	-0.192492944
ILMN_2956381	NM_026780.1	SYF2	-0.192545426
ILMN_2578961		A130090M16RIK	-0.192643939
ILMN_2955755	NM_134136.1	FBXO38	-0.192649559
ILMN_1215218	NM_145410.3	FAM173A	-0.192752574
ILMN_1220190	XM_356798.1	LOC383010	-0.192825384
ILMN_2759884	XM_126172.8	LARP1	-0.192978984
ILMN_1260590	XM_148097.1	4833409J19RIK	-0.193059867
ILMN_2802714	NM_028273.1	PGAM5	-0.193111455
ILMN_1213090		2010305C02RIK	-0.193207449
ILMN_2776909		IRX3	-0.193219208
ILMN_2842859	NM_145990.3	CDK5RAP2	-0.193345955
ILMN_2746811	NM_030084.3	GPR108	-0.193403852
ILMN_2674952	NM_029965.2	RNF170	-0.19345088
ILMN_2456278		AI551093	-0.193481511
ILMN_1216167	NM_026780.3	SYF2	-0.193888338
ILMN_1239527	NM_019706.2	RNF138	-0.193944666
ILMN_3144458	NM_001042673.1	FANCC	-0.193952269
ILMN_1224434	NM_026002.4	MTDH	-0.193976412
ILMN_2957580	NM_146365.1	OLFR1094	-0.194207999
ILMN_2932964	NM_016748.1	CTPS	-0.194285928
ILMN_3002284	NM_026570.1	YEATS4	-0.194461952
ILMN_2599659	NM_011711.1	FMNL3	-0.19453414
ILMN_2668630	XM_126944.3	2700049A03RIK	-0.194611353
ILMN_2547052		2810049C16RIK	-0.19491753
ILMN_2626383	NM_008622.3	MPV17	-0.19504469

ILMN_2880246	NM_020618.3	SMARCE1	-0.195108515
ILMN_3108440	NM_144509.1	ARL6IP4	-0.195168466
ILMN_2766403	NM_009358.2	PPP2R5D	-0.195341443
ILMN_2655577	NM_011131.2	POLD1	-0.195449564
ILMN_2554688	NM_175212.4	TMEM65	-0.195960205
ILMN_1239863	NM_173386.3	E330016A19RIK	-0.195998535
ILMN_2977350	NM_146061.4	PRR5	-0.1961361
ILMN_1239277	NM_010435.1	HIRA	-0.196137383
ILMN_1225520	NM_023197.1	2310008H09RIK	-0.196332082
ILMN_2606579	NM_134118.3	GPSN2	-0.196476372
ILMN_2778409	NM_028860.1	MTMR3	-0.196498994
ILMN_2760211	NM_178667.3	TFDP2	-0.196508967
ILMN_2588411	NM_023168.3	GRINA	-0.196618091
ILMN_1236009	NM_007595.3	CAMK2B	-0.196714037
ILMN_1246518	XM_001478116.1	4933400N17RIK	-0.196787192
ILMN_2964816	NM_146068.2	2310008H04RIK	-0.196957644
ILMN_1238871	NM_025709.2	GAPVD1	-0.196969273
ILMN_2879746	NM_010688.2	LASP1	-0.197148861
ILMN_1231896	XM_356132.1	SSBP4	-0.197374251
ILMN_2780759	NM_016670.2	PKNOX1	-0.197760665
ILMN_2657946	NM_024197.1	NDUFA10	-0.197844143
ILMN_2850527	NM_153552.2	THOC1	-0.197913432
ILMN_2531520	NM_001033448.2	GM962	-0.198004955
ILMN_1221262	NM_025463.2	1810009A15RIK	-0.198031908
ILMN_2623056	NM_175554.3	CLSPN	-0.198067237
ILMN_2743551	NM_134155.1	BRMS1	-0.198103052
ILMN_2618329	NM_145486.4		March2 -0.19816308
ILMN_1249984	XM_123660.2	LOC227092	-0.198195272
ILMN_2636536	NM_023196.2	PLA2G12A	-0.198258927
ILMN_1222132	NM_198292.3	TEX2	-0.198355192
ILMN_1236960	NM_001081652.1	AB182283	-0.198727988
ILMN_1233999		PPP3CC	-0.198824039
ILMN_2703698	NM_028307.1	TDRKH	-0.199170305
ILMN_1260447	XM_001479822.1	LOC100043192	-0.199253521
ILMN_3006911	NM_130882.1	CYP4F13	-0.199525844
ILMN_1239333		IQGAP1	-0.199608905
ILMN_2971721	NM_028596.2	2410025L10RIK	-0.199675477
ILMN_2700524	NM_023564.3	PLSCR3	-0.199755118
ILMN_2721337	NM_008062.2	G6PDX	-0.199777546
ILMN_2885982	NM_153597.1	TRPT1	-0.199877792
ILMN_2878486	NM_025431.2	LLPH	-0.199892437
ILMN_1240356	XM_910030.2	LOC635086	-0.200089575
ILMN_3082580	NM_001048146.1	AZI2	-0.200090459
ILMN_2647669	NM_025370.2	1110018J18RIK	-0.200353988
ILMN_1232280	NM_178762.3	A930025D01RIK	-0.200375071
ILMN_2746425	NM_021435.3	SLC35B4	-0.200376451

ILMN_1230039	NM_010489.2	HYAL2	-0.200680541
ILMN_2965417	NR_002702.1	NPM3-PS1	-0.200700194
ILMN_2588254	NM_138669.1	EIF4A3	-0.200769111
ILMN_2661005	NM_178065.3	1110018G07RIK	-0.20094622
ILMN_1250969	XM_001477228.1	LOC100047016	-0.201025516
ILMN_1227756		GPLD1	-0.20108433
ILMN_2773037		H2-OA	-0.201159219
ILMN_2588572	NM_026697.3	RAB14	-0.201267639
ILMN_1255287		MELA	-0.20129263
ILMN_2501601	NM_020285.1	TSSC4	-0.201367324
ILMN_2872419	NM_025970.1	ZBTB8OS	-0.201368293
ILMN_2595091	NM_175340.3	NHLRC1	-0.201457141
ILMN_1213149		1110029L17RIK	-0.201541358
ILMN_2780205	NM_009818.1	CTNNA1	-0.201581139
ILMN_2720770	NM_027030.2	DCPS	-0.201607117
ILMN_2516899	NM_178635.2	UVRAG	-0.201708078
ILMN_2677391	XM_919383.2	LOC631302	-0.201831221
ILMN_1248535	NM_028500.2	CALR3	-0.201921597
ILMN_2739675	NM_173383.1	DND1	-0.202017859
ILMN_2633805	NM_053164.3	MRPL43	-0.202060156
ILMN_2766616	NM_023314.3	EIF4E2	-0.20231547
ILMN_1214241	NM_013862.4	RABGAP1L	-0.202393714
ILMN_1230697		6430540M20RIK	-0.202641871
ILMN_3041258	NM_001033314.1	C530028I08RIK	-0.202680108
ILMN_1228922	NM_028017.1	NAPG	-0.202735487
ILMN_2633492	NM_016681.3	CHEK2	-0.202778126
ILMN_1215400	NM_031868.2	PPP1CA	-0.202897204
ILMN_2787871	NM_026410.1	CDCA5	-0.202963674
ILMN_1260420	NM_146177.1	SUV420H2	-0.203031151
ILMN_1222346		A630097D09RIK	-0.203048363
ILMN_3104094	NM_145626.1	2610208M17RIK	-0.203282517
ILMN_2945588	NM_023317.1	NDE1	-0.203290195
ILMN_2629718	NM_029759.2	2410166I05RIK	-0.203507449
ILMN_2764865	NM_025909.3	OMA1	-0.203559044
ILMN_1244535	NM_030732.3	TBL1XR1	-0.203633635
ILMN_2894763	NM_001034860.1	LOC229571	-0.203671448
ILMN_2686825	XM_912450.2	5430427O19RIK	-0.203812638
ILMN_2710380	NM_029885.1	GABPB2	-0.203963649
ILMN_3144963	NM_027139.3	TAF9	-0.203989994
ILMN_2715558	NM_144529.1	ARHGAP17	-0.204049906
ILMN_3114898	NM_001081191.1	EML5	-0.204140673
ILMN_2707079	NM_178848.3	SIRT5	-0.20429259
ILMN_1230107	XM_143290.1	LOC229494	-0.204372123
ILMN_2764883	NM_010756.3	MAFG	-0.204565492
ILMN_2609129	NM_144934.2	MBD3L2	-0.204701664
ILMN_2628339	NM_001083334.1	BIN1	-0.20482938

ILMN_2834294	NM_178745.3	6330442E10RIK	-0.204835238
ILMN_1244303	NR_002321.1	TUG1	-0.205021964
ILMN_2686087	NM_025530.2	CUTC	-0.205124016
ILMN_3145213	NM_008210.2	H3F3A	-0.20523521
ILMN_3009719	NM_178912.3	FANCM	-0.20528703
ILMN_2762326	NM_145588.1	KIF22	-0.205314185
ILMN_2697990	NM_013791.2	MKLN1	-0.205470241
ILMN_1231417	NM_001085355.1	ARID1B	-0.205694578
ILMN_1241939	XM_001473948.1	LOC100045262	-0.2061703
ILMN_2771374		BC023835	-0.206211437
ILMN_1233664	NM_145430.1	BC017647	-0.206297563
ILMN_2980212	NM_027001.1	2610034M16RIK	-0.206326087
ILMN_2625867	NM_019942.4		Sept6 -0.206366691
ILMN_2738031	NM_145415.2	AA408296	-0.206533287
ILMN_2594149	NM_025321.2	SDHC	-0.206534625
ILMN_2671259	NM_133916.2	EIF3B	-0.206664741
ILMN_2741614	NM_176996.3	SMO	-0.206681844
ILMN_1259798	NM_175310.5	APRIN	-0.207021513
ILMN_1237095		4921521J11RIK	-0.207039313
ILMN_1258977	NM_028975.3	TMEM33	-0.207113556
ILMN_2626098	NM_177741.2	PPP1R3B	-0.207147859
ILMN_1252951	NM_027915.1	AP2B1	-0.207149081
ILMN_2753492	NM_009068.3	RIPK1	-0.207219874
ILMN_1233857	NM_008567.1	MCM6	-0.207408069
ILMN_2634670		MEP1B	-0.207599428
ILMN_1221199	NM_176833.3	PPM1F	-0.207614858
ILMN_1252885	XM_356903.1	LOC383162	-0.207633985
ILMN_1255996	NM_009613.1	ADAM11	-0.207918022
ILMN_2591754	NM_133686.1	QPRT	-0.20822258
ILMN_1216763	NM_030147.2	BRD8	-0.208263662
ILMN_2806290	NM_025991.1	KBTBD4	-0.208399257
ILMN_2747828	NM_027270.1	EXOC1	-0.208456481
ILMN_1239143	NM_025848.2	SDHD	-0.208608946
ILMN_2491792	NM_030559.2	VPS16	-0.208623087
ILMN_3074516	NM_134138.1	PSMG2	-0.208656272
ILMN_2604676	NM_019833.2	B230317C12RIK	-0.208732958
ILMN_1228733	NM_020586.1	HERPUD2	-0.208800217
ILMN_2601884	NM_001042671.1	PREI4	-0.208837252
ILMN_2955535	NM_025343.3	RMND1	-0.208963458
ILMN_2993711	NM_177798.3	FRS2	-0.209068036
ILMN_2744752	NM_024182.4	RIOK3	-0.209231308
ILMN_3123657	NM_001029843.1	VRK1	-0.209358223
ILMN_1223168		CDC23	-0.209376783
ILMN_2651643	NM_013608.2	NACA	-0.209410436
ILMN_2733514	XM_001475447.1	LOC100046039	-0.209575373
ILMN_2970623	NM_025495.1	CENPP	-0.209585368

ILMN_2892222	NM_027976.2	ACSL5	-0.209897706
ILMN_2946020	NM_152895.1	JARID1B	-0.209926208
ILMN_2707808	XM_001472989.1	LOC100044756	-0.210476379
ILMN_2826916	NM_011212.2	PTPRE	-0.210482155
ILMN_2856668	NM_001029990.1	METT11D1	-0.210634018
ILMN_2658610	XM_194372.3	AI849286	-0.210893335
ILMN_2633212	NM_178379.2	COX10	-0.210913608
ILMN_2596324	NM_138594.3	D6WSU163E	-0.210922295
ILMN_1217408	NM_011100.3	PRKACB	-0.210948898
ILMN_2659408	NM_009044.2	REL	-0.211111073
ILMN_2896601	NM_010493.2	ICAM1	-0.211220659
ILMN_1258453	NM_026664.2	VPS53	-0.211479757
ILMN_2670727	NM_025652.2	GTF3A	-0.211564108
ILMN_1229256	NM_172449.1	BZRAP1	-0.21161294
ILMN_2520953		4930565B19RIK	-0.211645462
ILMN_1213808	XM_194481.2	LOC270186	-0.211685232
ILMN_1242013	NM_030724.3	UCK2	-0.211712964
ILMN_2893749	NM_010443.1	HMOX2	-0.211752411
ILMN_1256518	NM_025337.2	AKR7A5	-0.211824243
ILMN_2788984	NM_177470.2	ACAA2	-0.211850444
ILMN_1250564	NM_007808.4	CYCS	-0.212047587
ILMN_1233606	NM_027324.4	SFXN1	-0.212108783
ILMN_2657867	NM_008437.1	NAPSA	-0.212175543
ILMN_1222350		SURF6	-0.212196424
ILMN_2740922	NM_023331.2	MRPL46	-0.212385656
ILMN_2681013	NM_001025311.1	ST6GALNAC6	-0.212682187
ILMN_2675740	NM_175439.3	MARS2	-0.212732697
ILMN_1258682	NM_023138.3	MAP2K2	-0.212869884
ILMN_2790735	NM_172517.1	RBBP5	-0.212976527
ILMN_2651642	NM_013608.2	NACA	-0.213134102
ILMN_2715201	NM_133852.1	GOLGA2	-0.213134533
ILMN_2688215	XM_001478845.1	5830417I10RIK	-0.213214912
ILMN_2629420	NM_175445.3	RASSF2	-0.213346237
ILMN_2654932	NM_001033313.3	PDAP1	-0.214081551
ILMN_2971744	NM_007415.2	PARP1	-0.214177871
ILMN_2637321	NM_145589.2	PRR14	-0.214236419
ILMN_2748708	NM_026157.2	PAPD1	-0.214314882
ILMN_2458854		CCNT2	-0.214349457
ILMN_1242905	NM_001033294.2	DDX31	-0.214442419
ILMN_2606180	NM_133348.1	ACOT7	-0.214712088
ILMN_2713362	NM_021294.1	DBIL5	-0.214742259
ILMN_2716602	NM_010708.1	LGALS9	-0.214911886
ILMN_2712994	NM_153092.3	NUPL2	-0.21491287
ILMN_2465890		4930445K14RIK	-0.215095658
ILMN_2693785	NM_021886.1	CENPH	-0.215143228
ILMN_2701030	NM_027561.2	4632415L05RIK	-0.21534656

ILMN_2879506	NM_133714.2	2310037I24RIK	-0.215503394
ILMN_1216632	NM_133926.2	CAMK1	-0.215583327
ILMN_2433213		KLF7	-0.215585455
ILMN_1253545	NM_010799.1	MINPP1	-0.215631356
ILMN_1224876	NM_027318.3	ZNHIT1	-0.215734393
ILMN_2623244	NM_012024.2	PPP2R5E	-0.215839322
ILMN_1246299	NM_001001447.2	ZSCAN22	-0.215882222
ILMN_2744337	NM_010581.3	CD47	-0.215953632
ILMN_1234147		D930031I08RIK	-0.216015898
ILMN_3060512	NM_001039089.1	SEL1L	-0.216195369
ILMN_1249014	NM_011538.2	TBX6	-0.216195826
ILMN_1254215		TCTA	-0.216220193
ILMN_1229056	NM_138587.4	D6WSU176E	-0.216251211
ILMN_1244112	NM_020046.3	DHODH	-0.216280278
ILMN_1234749		C030025P15RIK	-0.216291648
ILMN_2513837	NM_025277.3	GNG10	-0.216408734
ILMN_3139818	NM_001081030.1	SBF1	-0.216436281
ILMN_2675261	NM_011528.3	TALDO1	-0.216582268
ILMN_1230846	XM_284425.1	2810422J05RIK	-0.216629482
ILMN_2962606	NM_011967.2	PSMA5	-0.216716801
ILMN_2737480	NM_022433.1	SIRT3	-0.216756735
ILMN_1231035	NM_027874.2	CSNK1D	-0.216759263
ILMN_3095059	NM_025883.3	ZDHHC6	-0.21679273
ILMN_1235751	NM_026824.4	DUS1L	-0.217061879
ILMN_2710705	NM_011018.2	SQSTM1	-0.217224864
ILMN_1250201	NM_178699.3	B930041F14RIK	-0.217353514
ILMN_1227086	NM_020272.1	PIK3CG	-0.217423212
ILMN_2784230	NM_009183.1	ST8SIA4	-0.217571108
ILMN_2787738	NM_144918.1	SMYD5	-0.217647377
ILMN_3072536	NM_173363.4	EIF5	-0.217695777
ILMN_2633511	NM_009881.2	CDYL	-0.21775128
ILMN_2735118	NM_001081214.1	PPRC1	-0.217822252
ILMN_3111593	NM_011573.2	TEX264	-0.217831601
ILMN_2638354	NM_011563.2	PRDX2	-0.217917086
ILMN_2594558	NM_173015.2	MON1B	-0.218074899
ILMN_2666118	NM_138305.2	ADCY3	-0.218159964
ILMN_2738837	NM_022988.2	NIF3L1	-0.218315364
ILMN_2570841		D430018E21RIK	-0.218648495
ILMN_2737319	XM_905813.3	LOC627985	-0.218702511
ILMN_2755492	NM_138587.3	D6WSU176E	-0.218724486
ILMN_2450147	NM_013915.3	ZFP238	-0.218760543
ILMN_2753029	NM_008102.2	GCH1	-0.218845126
ILMN_2698107	NM_010120.4	EIF1A	-0.21896071
ILMN_2987027	NM_138752.1	PLEKHG2	-0.219027263
ILMN_1226280	NM_026578.2	NOLA1	-0.219036541
ILMN_2896049	NM_213733.1	NPEPL1	-0.219190966

ILMN_2551506		4933433P14RIK	-0.219204885
ILMN_1220553		5830461H18RIK	-0.219258936
ILMN_2590015	NM_025598.2	2700038C09RIK	-0.219305469
ILMN_2694998	NM_026885.2	CHMP2A	-0.219366735
ILMN_2523757	XM_485308.4	4930422G04RIK	-0.219500308
ILMN_2605094	NM_025546.1	RSL1D1	-0.219518985
ILMN_1225719	XM_134910.3	IREB2	-0.219579764
ILMN_1257900		PRLR	-0.219590623
ILMN_1249828	NM_027249.2	TLCD2	-0.219714638
ILMN_1257520	NM_178201.1	HIST1H2BN	-0.21989072
ILMN_2641669	NM_173423.3	FEM1C	-0.219892737
ILMN_1234247	XM_912678.2	LOC637089	-0.219920433
ILMN_3051651	NM_024181.2	DNAJC10	-0.220133323
ILMN_2786160	NM_146124.2	ARHGAP1	-0.220136667
ILMN_2593196	NM_009283.3	STAT1	-0.22024363
ILMN_3155245	NM_175476.3	ARHGAP25	-0.220314452
ILMN_2704855	XM_001478657.1	LOC100047674	-0.220517998
ILMN_2569275		ITCH	-0.220694871
ILMN_2741726	NM_030597.2	LSM2	-0.220762201
ILMN_2932787	NM_183162.2	BC006779	-0.22078515
ILMN_3096287	NM_029510.1	BCOR	-0.221089401
ILMN_2724719	NM_197981.1	5930416I19RIK	-0.221119179
ILMN_1238246	NM_026194.3	1810074P20RIK	-0.221168095
ILMN_1254659		CD2AP	-0.221169472
ILMN_2698239	NM_145959.1	D15ERTD621E	-0.22125399
ILMN_1238360	XM_001478555.1	LOC100042405	-0.221263495
ILMN_1240163	XM_132796.4	FANCD2	-0.221411104
ILMN_2774927		A930029B02RIK	-0.22159509
ILMN_1236157	NM_001081956.1	SFRS17B	-0.221673126
ILMN_2523012		GTL2	-0.22168095
ILMN_1215755	NM_153419.1	GRWD1	-0.221688967
ILMN_2862760	NM_010273.1	GDI1	-0.221781927
ILMN_3141738	NM_198311.1	TTC8	-0.221959621
ILMN_2925196	NM_009702.1	AQR	-0.222007961
ILMN_2703242	NM_153549.2	BC031575	-0.222022201
ILMN_2764143	NM_001001144.1	SCAP	-0.222025745
ILMN_2696299	NM_001081232.1	D5ERTD579E	-0.222383458
ILMN_2671855	NM_172276.3	SFRS8	-0.222393634
ILMN_1240702	NM_007502.3	ATP1B3	-0.222410031
ILMN_2543107		OSM	-0.222411174
ILMN_2481389	NM_018759.1	ZFP326	-0.22246048
ILMN_1221373		SLC9A2	-0.222555465
ILMN_2729263	NM_009940.2	COQ7	-0.222606884
ILMN_2705673	NM_138584.2	SPG21	-0.222714426
ILMN_2732896	NM_025671.1	OGFOD2	-0.222745713
ILMN_2692262	XM_203753.2	FVT1	-0.222772892

ILMN_2949122	NM_198645.1	CCDC58	-0.222780826
ILMN_2622829	NM_026269.1	1110007L15RIK	-0.222789545
ILMN_2968729	NM_020282.2	NQO2	-0.222846922
ILMN_1232305	XM_993721.1	LOC672474	-0.222859569
ILMN_2758029	NM_011178.2	PRTN3	-0.223022433
ILMN_1253453	XM_356003.1	2210018M11RIK	-0.223079352
ILMN_2715153	NM_027134.2	MTFMT	-0.223199723
ILMN_1216174	NM_177460.3	PARP16	-0.22325548
ILMN_2683822	NM_019706.2	RNF138	-0.223367423
ILMN_2668001	NM_026396.2	BXDC2	-0.223447828
ILMN_2764819	NM_008996.3	RAB1	-0.223471546
ILMN_2750676	NM_181406.2	RARS2	-0.223594356
ILMN_1242613	NM_198423.2	BAHCC1	-0.223634632
ILMN_2607450	NM_001081041.1	1110014N23RIK	-0.223717804
ILMN_2732689	NM_019710.1	SMC1A	-0.223759802
ILMN_1245874	NM_011202.2	PTPN11	-0.223868571
ILMN_1234100	NM_133889.2	BSDC1	-0.224078105
ILMN_2803289	NM_009359.2	TEX9	-0.224113137
ILMN_2754220	NM_172843.2	TOR1AIP2	-0.22418346
ILMN_2650914	NM_010048.2	DGCR2	-0.224221292
ILMN_2715289	NM_001081188.1	EXOSC7	-0.22429096
ILMN_2465068	NM_025362.3	DNAJC30	-0.224319233
ILMN_2479432		ZFP251	-0.224346366
ILMN_1236574	NM_007681.2	CENPA	-0.224352123
ILMN_1248315	XM_990152.1	LOC667368	-0.224402404
ILMN_1248468	XR_031426.1	LOC632684	-0.224621527
ILMN_2655774	NM_023260.1	MRPS34	-0.224739164
ILMN_1215055	NM_011585.3	TIA1	-0.224976087
ILMN_2655260	NM_008975.2	PTP4A3	-0.224996588
ILMN_2822842	NM_028166.2	1600014C10RIK	-0.225017926
ILMN_2752224	NM_025434.2	MRPS28	-0.225172972
ILMN_2733330	NM_016959.2	RPS3A	-0.225222685
ILMN_3163163	NM_001033378.2	A430078G23RIK	-0.225237772
ILMN_2936496	NM_024241.1	KIF24	-0.225377871
ILMN_1232770	NM_183426.1	SBNO2	-0.225428953
ILMN_3123970	NM_001077712.1	STAG2	-0.225471661
ILMN_3084954	NM_011570.2	TES	-0.225520603
ILMN_1216762		A530065H22RIK	-0.225585827
ILMN_2644587	NM_025840.2	BZW2	-0.225607632
ILMN_2624827	NM_025674.1	TCF19	-0.225656816
ILMN_3145331	NM_025284.3	TMSB10	-0.225731851
ILMN_1225146	NM_133218.1	ZFP704	-0.225784791
ILMN_2913269	NM_145972.1	BC027231	-0.226001265
ILMN_2831579	NM_027008.1	KCTD5	-0.226093569
ILMN_2774244		1810013B01RIK	-0.226314994
ILMN_2738554	XM_001472680.1	LOC100044636	-0.226467464

ILMN_1221039	NM_027698.4	EXOD1	-0.226719785
ILMN_3161897	NM_001013380.1	DYNC1LI2	-0.226821345
ILMN_3126933	NM_199323.2	TACC1	-0.227033062
ILMN_2678801	NM_023887.3	GCNT2	-0.227088823
ILMN_1239638	NM_011804.2	CREG1	-0.227186254
ILMN_1252068	NM_025292.4	SYNJ2BP	-0.227195473
ILMN_1235060		1700015E05RIK	-0.227262997
ILMN_1254878	NM_025829.4	EIF4E3	-0.227303603
ILMN_2528594	XM_354837.1	LOC380929	-0.227506551
ILMN_1215242	NM_145371.3	EIF2B1	-0.227648487
ILMN_2700505	NM_028766.2	TMEM43	-0.227660117
ILMN_2684260	NM_134092.2	MTBP	-0.227670124
ILMN_2548577		6620401C13RIK	-0.227751297
ILMN_3143483	NM_022964.3	LAT2	-0.227852214
ILMN_1215084		2500003M10RIK	-0.228046283
ILMN_2684575	NM_172832.1	PCYOX1L	-0.228123716
ILMN_2796028	NM_145414.1	NSUN5	-0.228207235
ILMN_2816180	NM_029999.3	LBH	-0.228358251
ILMN_2649172	NM_025893.2	ZCCHC18	-0.228430457
ILMN_2419494	NM_009400.1	TNFRSF18	-0.228431241
ILMN_2642158	NM_026536.1	ATP5S	-0.228581793
ILMN_2491654	NM_026872.1	UBAP2	-0.228764005
ILMN_2745614	NM_025459.2	FAM134B	-0.229192238
ILMN_3155217	NM_011799.2	CDC6	-0.229270339
ILMN_1220618	XM_355660.1	LOC381684	-0.229375204
ILMN_2606108		CDC40	-0.229377757
ILMN_1257873	XM_146887.7	LAYN	-0.229906473
ILMN_2707298	NM_011879.1	IK	-0.23010389
ILMN_3006767	NM_029005.1	MLKL	-0.230525336
ILMN_2712557	NM_024439.3	H47	-0.230536446
ILMN_2484707	NM_021288.3	TYMS	-0.230582674
ILMN_2734848	NM_001025387.2	BRD2	-0.230615296
ILMN_2642063	NM_026729.1	ICT1	-0.230641832
ILMN_2908874	NM_024260.3	CCDC132	-0.230908879
ILMN_2825339	NM_024287.2	RAB6	-0.230912479
ILMN_2754253	NM_010303.2	GNA13	-0.23092088
ILMN_2528456	XM_139078.2	LOC219106	-0.231220769
ILMN_2621113	NM_015791.3	FBXO8	-0.231265145
ILMN_3163020	NM_001025360.2	KLC1	-0.231362523
ILMN_2440789	NM_145600.1	ZFP330	-0.231366896
ILMN_3113420	NM_013545.2	PTPN6	-0.231490774
ILMN_2579391		D330026F23RIK	-0.231573772
ILMN_2774163	NM_018749.2	EIF3D	-0.231582124
ILMN_1248028	NM_010129.1	EMP3	-0.231610911
ILMN_1260303	NM_178079.2	PM20D1	-0.231667306
ILMN_1212669		A630046I07RIK	-0.231714239

ILMN_1216614	NM_001024508.2	BRD9	-0.23173016
ILMN_2559524		DRCTNNB1A-PENDING	-0.231766597
ILMN_1245918	NM_025609.2	MAP3K7IP1	-0.231791593
ILMN_2625746	NM_146171.1	NCAPD2	-0.231802594
ILMN_2755443	NM_021389.3	SH3KBP1	-0.231828016
ILMN_1221895	NM_145414.2	NSUN5	-0.231975422
ILMN_2612502	NM_153053.3	SF3B4	-0.232016462
ILMN_2858359	NM_175554.3	CLSPN	-0.232213419
ILMN_2420119		2610103J23RIK	-0.232229008
ILMN_3125920	NM_008641.2	MAST2	-0.232237165
ILMN_2684268	NM_145926.2	MGAT4B	-0.232321375
ILMN_1259056		HNRPAB	-0.232334392
ILMN_3000108	NM_030145.1	LSM6	-0.232342219
ILMN_1234558	NM_030108.1	TMEM33	-0.232422562
ILMN_1243593	NM_029508.3	PCGF5	-0.232444109
ILMN_1248439	NM_011373.2	ST6GALNAC4	-0.232472663
ILMN_3039637	NM_145428.1	DHRS7B	-0.232555494
ILMN_1255365	NM_172054.4	TXNDC9	-0.232570072
ILMN_1252963	NM_175025.2	ATP2C1	-0.232694206
ILMN_1235921		A930005G04RIK	-0.23283591
ILMN_3163374	NM_001037755.2	BAIAP2	-0.232952242
ILMN_2429250	NR_002899.1	SNORA70	-0.233002454
ILMN_2473357		2210418H06RIK	-0.233032602
ILMN_2620078	NM_022994.2	DAP3	-0.233220393
ILMN_2747614	NM_001083958.1	ZFP655	-0.233291093
ILMN_2476999	XM_001004293.1	DDX23	-0.23343613
ILMN_2450121	XM_001002157.2	AKAP11	-0.233553901
ILMN_2997796	NM_175403.2	2410014A08RIK	-0.233562614
ILMN_2620959	NM_028868.3	CXXC1	-0.233579858
ILMN_1230357	NM_010585.3	ITPR1	-0.233638187
ILMN_1248831		2210019E14RIK	-0.23387718
ILMN_2689785	NM_009853.1	CD68	-0.23392521
ILMN_2544634	XM_921694.2	0610030E20RIK	-0.234078346
ILMN_1244737	NM_001081013.1	RLF	-0.234136034
ILMN_2807474	NM_026746.1	NSMCE2	-0.234218663
ILMN_1239661	NM_001039137.2	SCOC	-0.234705735
ILMN_1237007	NM_027933.2	RANBP3	-0.234725046
ILMN_1229793	NM_177240.3	D030016E14RIK	-0.234779118
ILMN_2477267	NM_178744.1	ZBTB1	-0.234883463
ILMN_2425028	XM_001481199.1	LOC675572	-0.234963142
ILMN_1216072	NM_027000.4	GTPBP4	-0.235242502
ILMN_2868997	NM_011241.3	RANGAP1	-0.235256803
ILMN_1212703	NM_021284.4	KRAS	-0.235632156
ILMN_2963580	NM_172947.1	LSM12	-0.235675817
ILMN_2620501	XM_001479864.1	D030022P06RIK	-0.23577041
ILMN_2604922	NM_030564.1	RNF34	-0.235790666

ILMN_1242889	NM_177073.5	RELT	-0.235883993
ILMN_2646938	NM_013604.1	MTX1	-0.235973917
ILMN_2564205		PIK3CG	-0.236108621
ILMN_1217827	NM_026511.1	2810002N01RIK	-0.236162313
ILMN_2774640	NM_007550.3	BLM	-0.236335733
ILMN_1252433		AVPR2	-0.236358383
ILMN_1243507	NM_145134.2	SPSB4	-0.236358579
ILMN_2661971	NM_010299.2	GM2A	-0.236371528
ILMN_2739965	NM_027874.2	CSNK1D	-0.236388807
ILMN_1247267	NM_145533.1	SMOX	-0.236527397
ILMN_2633377	XR_031705.1	LOC100045677	-0.236556878
ILMN_2775586	NM_017366.2	ACADVL	-0.236765836
ILMN_2648695	NM_133679.1	CRYZL1	-0.2368217
ILMN_2660519	NM_027289.1	NT5DC2	-0.236976299
ILMN_2667842	NM_025289.1	TBRG1	-0.236982608
ILMN_2871174	NM_027382.1	HDAC8	-0.237102488
ILMN_1252243	NM_026660.2	MFSD10	-0.237130068
ILMN_1216292	NM_026539.2	CHD1L	-0.237232484
ILMN_2656268	NM_172409.2	FMNL2	-0.237249381
ILMN_1223713	NM_146124.3	ARHGAP1	-0.237363562
ILMN_2710312	XM_001476721.1	LOC100046650	-0.237428691
ILMN_2615448	NM_178909.3	AI553587	-0.237573343
ILMN_2805339	NM_001012401.1	HSPB6	-0.237722719
ILMN_1214126	NM_019479.2	HES6	-0.23773412
ILMN_2541505	NM_177184.3	VPS13C	-0.237814102
ILMN_2705979	NM_008796.2	PCTP	-0.237862485
ILMN_2420366	NM_178794.3	ZRSR2	-0.237980727
ILMN_2664972	NM_007896.3	MAPRE1	-0.238161372
ILMN_3024068	NM_001039129.1	HNRPA1	-0.238190215
ILMN_2477326	NM_001037938.1	DHRS4	-0.238238447
ILMN_1220039	NM_008446.1	KIF4	-0.238287395
ILMN_2883110	NM_019478.3	PQBP1	-0.238439319
ILMN_2514451	NM_012049.1	NIT1	-0.238486574
ILMN_1228352	NM_138592.3	USP39	-0.238686021
ILMN_3108770	NM_001005866.1	FBXL10	-0.238776658
ILMN_2749747	NM_029621.2	2410004L22RIK	-0.238808531
ILMN_2473692		1110059G02RIK	-0.239082042
ILMN_2627995	NM_133215.1	MTMR4	-0.239095898
ILMN_1229318	NM_172665.3	PDK1	-0.239114893
ILMN_2743013	NM_008677.1	NCF4	-0.239164065
ILMN_2753021	XM_134599.3	RNF166	-0.23918547
ILMN_2612403	NM_030153.1	MAK10	-0.239189654
ILMN_1229309		VRK1	-0.239231362
ILMN_2843403	NM_178612.3	2610019P18RIK	-0.239314881
ILMN_2877507	NM_011822.3	PIGQ	-0.239431646
ILMN_1250837		RANGAP1	-0.239434333

ILMN_2523963	NM_023595.5	DUT	-0.239445069
ILMN_2416145	NM_028109.3	TPX2	-0.23956312
ILMN_2895177	NM_175266.2	EPM2AIP1	-0.239575074
ILMN_2665959	NM_027355.1	RNF168	-0.239729707
ILMN_2715215	NM_172265.1	EIF2B5	-0.23978031
ILMN_2617245	NM_011568.1	THOC4	-0.239929689
ILMN_2700400	NM_144908.3	GALNT11	-0.240054552
ILMN_2988275	NM_029404.1	PHF14	-0.240081066
ILMN_2822552	NM_173784.3	UBTD2	-0.240203716
ILMN_1243663	NM_001015099.1	6030408C04RIK	-0.240211187
ILMN_1257251	NM_175646.2	TXNL4B	-0.24022495
ILMN_3024416	NM_027448.1	LCA5	-0.24024469
ILMN_2458442		USP15	-0.240245729
ILMN_2439813		SLC16A10	-0.240267221
ILMN_1221935	NM_009752.1	GLB1	-0.240457303
ILMN_2532046	XM_205276.1	LOC278181	-0.240464166
ILMN_1257135		3110001P07RIK	-0.240557557
ILMN_1230552	NM_028887.3	SMCHD1	-0.240559357
ILMN_2857993	NM_009759.2	BMX	-0.240645754
ILMN_2728038	NM_029270.1	ARHGAP24	-0.240699161
ILMN_2595282		2600005C20RIK	-0.240825538
ILMN_2800861	NM_030178.1	BRPF1	-0.241053495
ILMN_2534816	NM_026445.2	SUMF2	-0.241083797
ILMN_2546073	NM_027946.3	WDR68	-0.241390776
ILMN_2871262	NM_012060.2	BCAP31	-0.241549845
ILMN_1255511	NM_001013392.3	RREB1	-0.241648184
ILMN_1224256	NM_145502.2	ERLIN1	-0.242229488
ILMN_2595469	NM_153518.1	CCDC65	-0.242241139
ILMN_2602855	XM_133073.7	NUP205	-0.242350974
ILMN_2525049	XM_147260.1	FSTL	-0.242810282
ILMN_2709446	XM_282920.1	POLR2E	-0.242834321
ILMN_1250948		PTPN2	-0.243060855
ILMN_2487814		CUL3	-0.24315815
ILMN_1222902	NM_026891.2	CDAN1	-0.243251493
ILMN_1233812		3110050L10RIK	-0.243432973
ILMN_2877464	NM_001005916.2	ZBTB9	-0.243451316
ILMN_2731760	NM_053214.1	MYO1F	-0.24347199
ILMN_1259924		5730470C09RIK	-0.243740128
ILMN_1227103	NM_027242.3	2010007H12RIK	-0.243838622
ILMN_2734661	NM_024284.1	HAGH	-0.244193961
ILMN_2655785	NM_175665.1	HIST1H2BK	-0.244209014
ILMN_2589211	NM_011592.1	TIMM44	-0.244521552
ILMN_1219580		C730009F21RIK	-0.244549401
ILMN_2641150	XM_001004138.1	LOC677144	-0.244561735
ILMN_2525152		E430012K20RIK	-0.244631307
ILMN_2666747	NM_011816.3	G3BP2	-0.244635622

ILMN_2733026	NM_080562.4	UBOX5	-0.24466408
ILMN_1246903	NM_007455.2	AP1G2	-0.244674767
ILMN_2943699	NM_027260.1	VRK2	-0.244685093
ILMN_1251470		6030446N20RIK	-0.244761075
ILMN_2675669	NM_007654.1	CD72	-0.244767127
ILMN_2855183	NM_013512.2	EPB4.1L4A	-0.244971834
ILMN_3153285	NM_010161.3	EVI2A	-0.245004547
ILMN_1215928	NM_011544.2	TCF12	-0.245266443
ILMN_2592253	NM_178206.2	HIST1H3H	-0.245428908
ILMN_2972855	NM_172436.2	SLC25A12	-0.245467535
ILMN_1232537	NM_177305.3	ARL4C	-0.245483156
ILMN_2692007	XM_979393.2	4930515G13RIK	-0.245658824
ILMN_2848305	NM_027438.1	PNMA1	-0.245660283
ILMN_1240471	NM_026159.4	RETSAT	-0.245730198
ILMN_1229853	NM_177231.2	ARRB1	-0.245730555
ILMN_1220326		D230016O17	-0.245896635
ILMN_2681622	NM_023175.1	NIT2	-0.246294795
ILMN_1223097	NM_015807.1	NT5C	-0.246297691
ILMN_2776056	NM_138956.3	RASSF3	-0.246311945
ILMN_1214117		9530065M15RIK	-0.246576711
ILMN_2472504		PCYOX1	-0.24657679
ILMN_1223868	NM_001013779.1	AIM2	-0.246764517
ILMN_2689401	NM_001005846.2	MCOLN2	-0.246777252
ILMN_1250454	NM_001081355.1	PRDM2	-0.246811695
ILMN_1227043	NM_001025431.1	BTBD3	-0.246932301
ILMN_2705878	NM_172397.3	LIMD2	-0.246968759
ILMN_2712923	NM_027860.2	0610010F05RIK	-0.24697365
ILMN_2775918		HS1BP3	-0.247043186
ILMN_1257019	NM_153161.1	BC037034	-0.247380654
ILMN_2696100	NM_146065.1	ATF7	-0.247419551
ILMN_2611821	NM_019411.4	PPP2CA	-0.247927861
ILMN_2645493	NM_008990.2	PVRL2	-0.247967086
ILMN_3128784	NM_001081168.1	SAP30L	-0.24796887
ILMN_1252730	NM_027722.2	NUDT4	-0.247972759
ILMN_1227814		SRR	-0.24813348
ILMN_2603187	NM_001081979.1	MECP2	-0.24818817
ILMN_2502623	NM_177263.3	ZHX3	-0.248219495
ILMN_2724409	NM_173423.3	FEM1C	-0.248238055
ILMN_2451795		4931433E08RIK	-0.248415757
ILMN_1243263	NM_175751.3	ZFP608	-0.248420349
ILMN_2474887	NM_011914.2	WHSC2	-0.248446105
ILMN_2439313		2700084L06RIK	-0.248461028
ILMN_2846812	NM_013673.2	SP100	-0.248598323
ILMN_2563949		PGLS	-0.24885219
ILMN_2774854		EDG2	-0.248986759
ILMN_1235509	NM_001081043.1	PTPN23	-0.249054414

ILMN_2655295	NM_026664.2	VPS53	-0.249055914
ILMN_1240883	NM_011278.1	RNF4	-0.249093005
ILMN_2512580	XM_887149.3	ZFP511	-0.249100944
ILMN_2536753	XM_355485.1	LOC381525	-0.249718605
ILMN_2519944		SCL0002124.1_39	-0.249876404
ILMN_2676716	NM_023215.5	2500003M10RIK	-0.250005721
ILMN_2444603		HERC1	-0.250103329
ILMN_2823011	NM_019472.1	MYO10	-0.250213526
ILMN_2766875	NM_026950.3	OCIAD2	-0.250295314
ILMN_1230790	NM_172635.2	PATL1	-0.250390743
ILMN_2732565	NM_020560.1	MRPS31	-0.250555033
ILMN_2468617	NM_021521.2	MED12	-0.250899014
ILMN_1239345	NM_025541.3	ASF1A	-0.250915065
ILMN_2835461	NM_019836.2	2610024G14RIK	-0.250999117
ILMN_2698673	NM_172270.1	3632413B07RIK	-0.251067604
ILMN_2541190	XM_912953.3	1500034J01RIK	-0.251085913
ILMN_1235385	XM_357953.1	LOC384943	-0.251135612
ILMN_1242293		SAST-PENDING	-0.251227106
ILMN_1253854	NM_009372.2	TGIF1	-0.251370882
ILMN_2454905	NM_010713.2	LHX8	-0.251594069
ILMN_2722081	NM_007711.2	CLCN3	-0.252020786
ILMN_2624695	NM_133928.2	CHCHD4	-0.252133615
ILMN_1257193	NM_008910.2	PPM1A	-0.252223602
ILMN_2770667	NM_023190.2	ACIN1	-0.252293325
ILMN_1234693	NM_027707.2	NIPBL	-0.252364135
ILMN_2543616		1810006O10RIK	-0.252431437
ILMN_1253593	NM_172298.2	TSHZ3	-0.252506932
ILMN_1259544	NM_001081396.1	WDR67	-0.252720587
ILMN_1229240		5830454D03RIK	-0.253175039
ILMN_2974480	NM_175246.2	SNIP1	-0.253359034
ILMN_2516205	AK002910.1	SCL0001118.1_0	-0.253522196
ILMN_1228258	NM_025670.4	5730403B10RIK	-0.253571908
ILMN_1225123	NM_181075.3	2610524H06RIK	-0.253663918
ILMN_1243690	NM_001077363.1	PTBP1	-0.253676074
ILMN_2660056	NM_025512.2	ZFAND1	-0.253854617
ILMN_2723513	NM_146084.1	FAM13B	-0.253974971
ILMN_2608043	NM_019479.3	HES6	-0.254027357
ILMN_1254302	NM_198326.2	NSFL1C	-0.254068475
ILMN_1245092	NM_011149.2	PIIB	-0.254458363
ILMN_2700292	NM_010376.3	H13	-0.254461693
ILMN_2872266	NM_027667.1	ARHGAP19	-0.254616368
ILMN_2842654	NM_023597.1	WDR31	-0.254682475
ILMN_2993661	NM_025863.2	TRIM59	-0.254892134
ILMN_1228859		C87860	-0.254960568
ILMN_2614825	NM_011811.3	FARSB	-0.255342727
ILMN_2738893	NM_001081213.1	ERMP1	-0.255376358

ILMN_2678127	NM_080563.3	RNF144A	-0.255394967
ILMN_1229515		2510008P16RIK	-0.255411131
ILMN_3001135	NM_177573.3	9930104L06RIK	-0.255472762
ILMN_1249626	XM_143236.3	LOC242025	-0.255532813
ILMN_2605575	NM_024178.2	ALG14	-0.255718826
ILMN_2605630	NM_172724.3	AA881470	-0.255727096
ILMN_2521753	NM_145576.1	ZFP212	-0.255792983
ILMN_2879225	NM_030731.1	TRIM23	-0.255901859
ILMN_1258854	XM_907047.3	D630023B12RIK	-0.255980421
ILMN_2721208	NM_144898.1	MSTO1	-0.255995559
ILMN_2674425	NM_025575.3	SYS1	-0.256014924
ILMN_2747651	NM_026115.3	HAT1	-0.256156941
ILMN_2757625	NM_030013.2	CYP20A1	-0.256157547
ILMN_2732627	NM_027423.1	POLR3B	-0.256248254
ILMN_1251097	XM_884529.3	EG620143	-0.256665291
ILMN_1232184	NM_019802.3	GGCX	-0.256688095
ILMN_2652857	NM_008330.1	IFI47	-0.256797997
ILMN_1220305	NM_177474.4	D19BWG1357E	-0.256855452
ILMN_1245646	XM_001481075.1	LOC100043796	-0.25686857
ILMN_2929526	NM_007645.2	CD37	-0.257178615
ILMN_1252831	XM_001003622.2	2310014H01RIK	-0.257316309
ILMN_1229777	NM_001025429.1	SPAG9	-0.257390788
ILMN_2761594	NM_007705.2	CIRBP	-0.257411942
ILMN_2960214	NM_175294.2	NUCKS1	-0.257580845
ILMN_2680160	NM_181665.1	SDCCAG1	-0.257691457
ILMN_2595283	NM_028244.1	RRP1B	-0.25771394
ILMN_1243908	NM_013664.2	SH3GL1	-0.258036397
ILMN_2854121	NM_028603.1	2410081M15RIK	-0.258086871
ILMN_2674668	NM_172403.2	2810021J22RIK	-0.258087052
ILMN_2730463	NM_026014.3	CDT1	-0.25819695
ILMN_3069857	NM_029735.1	EPRS	-0.258261831
ILMN_2932722	NM_153063.1	ZFP472	-0.258414524
ILMN_2565791		B230371N03RIK	-0.258428451
ILMN_2493826	NM_201641.2	UGT1A10	-0.258457568
ILMN_3162452	NM_001098231.1	PPM2C	-0.258965652
ILMN_1217590	NM_009266.3	SEPHS2	-0.259076484
ILMN_3088934	NM_001037279.1	2700094K13RIK	-0.259089336
ILMN_2539068	XM_356969.1	LOC383293	-0.259152355
ILMN_2658553		GYS3	-0.259233443
ILMN_1214094	NM_206974.1	KCNRG	-0.259285765
ILMN_1252760	NM_054070.2	AFG3L1	-0.259418568
ILMN_1219670	NM_025663.2	GPATCH4	-0.259440098
ILMN_2692960	NM_026184.2	ERO1LB	-0.25970981
ILMN_2492491		C030026E19RIK	-0.259796358
ILMN_2673211	NM_011072.3	PFN1	-0.259897842
ILMN_2736611	NM_026816.3	GTF2F2	-0.259929493

ILMN_2694955	NM_010517.2	IGFBP4	-0.259964867
ILMN_2845980	NM_025542.1	2410001C21RIK	-0.260241046
ILMN_2469448		4933404K08RIK	-0.260266701
ILMN_2460850	AK047172.1	SCL0004176.1_1597	-0.260306781
ILMN_1230199	AK009141.1	SCL0002312.1_1	-0.260448495
ILMN_2537214	XM_355586.1	LOC381627	-0.260496382
ILMN_1215304	NM_001015099.1	6030408C04RIK	-0.260576283
ILMN_1223315	NM_016741.1	SCARB1	-0.260905352
ILMN_2600053	NM_024211.2	SLC25A11	-0.2609088
ILMN_2495289	NM_016752.1	SLC35B1	-0.26093831
ILMN_2428807		A030011A13RIK	-0.261035908
ILMN_1213898	XM_149149.1	LOC228036	-0.261079847
ILMN_1257525	NM_198300.2	CPEB3	-0.26123047
ILMN_2588650	NM_199310.1	CCDC32	-0.261602344
ILMN_1226991	NM_017407.1	SPAG5	-0.261691449
ILMN_2788574	NM_198101.1	GMIP	-0.261738558
ILMN_2962958	NM_010948.1	NUDC	-0.261882489
ILMN_2631745	NM_029702.3	ARFRP1	-0.261947687
ILMN_2605311	NM_198894.1	ABR	-0.261996084
ILMN_1244908	NM_019735.3	APIP	-0.262024049
ILMN_2491125	NM_030732.3	TBL1XR1	-0.26213972
ILMN_1225332	NM_001039392.1	TMSB10	-0.262159218
ILMN_1252120		ATPI	-0.262290401
ILMN_1255731	NR_002870.1	DNM3OS	-0.262328663
ILMN_2589556		IKBKB	-0.262342366
ILMN_2495860	XM_001478639.1	5430411C19RIK	-0.262466385
ILMN_2614531	NM_023061.1	MCAM	-0.262551455
ILMN_2667100	NM_025770.3	ATG10	-0.262641586
ILMN_1237233	XM_001475830.1	LOC100046343	-0.262746005
ILMN_1259127	NM_026602.3	BCAS2	-0.26283118
ILMN_1228464	XM_918228.3	4930422I07RIK	-0.263023374
ILMN_1250550		SCL0001259.1_60	-0.263043867
ILMN_1254840	NM_011418.1	SMARCB1	-0.263392308
ILMN_1240515	NM_178398.4	WIPI2	-0.263408893
ILMN_2550740		A430024H01RIK	-0.263547569
ILMN_2719507		RAB6	-0.263620745
ILMN_1243215		WWP1	-0.263625303
ILMN_2773540	NM_025920.3	THAP4	-0.263667953
ILMN_2524043	NM_028599.2	WDR75	-0.263685421
ILMN_3095279	NM_001012434.2	KCTD14	-0.263707588
ILMN_3059798	NM_199068.2	FOXK1	-0.263765513
ILMN_2527514	XM_354759.1	LOC380854	-0.263768934
ILMN_1225137	NM_001033279.2	D17WSU92E	-0.263801658
ILMN_2763739	XM_924235.3	BC032203	-0.263893472
ILMN_1220483		BTBD2	-0.263977601
ILMN_2569416		A430080F05RIK	-0.26424756

ILMN_2624385	NM_025917.3	USE1	-0.264263307
ILMN_3160348	NM_028727.1	NOL9	-0.264304743
ILMN_1217144	NM_028162.2	TBC1D5	-0.264464205
ILMN_1253906	XM_896646.2	BAT2D	-0.264474478
ILMN_1223667	NM_009225.2	SNRPB	-0.264589319
ILMN_1237939	NM_028410.1	PRKRIR	-0.264789123
ILMN_2763498	NM_023258.3	PYCARD	-0.264808862
ILMN_2797212	NM_053163.1	MRPL36	-0.264936547
ILMN_1228611	XR_032431.1	LOC245676	-0.265077256
ILMN_2855334	NM_010368.1	GUSB	-0.265199778
ILMN_1245842	NM_026561.3	NT5C3L	-0.265455262
ILMN_2726101	NM_026592.3	B230118H07RIK	-0.265557723
ILMN_1244393	NM_029607.1	2310003C23RIK	-0.265681022
ILMN_2667300	NM_025454.2	ING5	-0.265852085
ILMN_3141195	NM_001040686.1	ZFP692	-0.265936638
ILMN_1216883	NM_027911.3	RAVER1	-0.266232372
ILMN_2710186	NM_023402.1	MYLC2B	-0.266429479
ILMN_2599164	NM_172697.2	PRPF38A	-0.266772703
ILMN_1230411	NM_008379.3	KPNB1	-0.266793026
ILMN_3163006	NM_145826.4	IL17RE	-0.266985892
ILMN_2678773	NM_017374.3	PPP2CB	-0.267176386
ILMN_2655112	NM_008840.2	PIK3CD	-0.267225256
ILMN_2730784	NM_019726.3	GPS2	-0.26731257
ILMN_2710229	NM_009831.2	CCNG1	-0.267404439
ILMN_2490803	NM_013859.2	ZNHIT2	-0.267449466
ILMN_2422687	XM_001477026.1	LOC100046895	-0.267633815
ILMN_2688863	NM_019647.5	RPL21	-0.26763605
ILMN_2763772	NM_028003.2	RPAP3	-0.267653082
ILMN_2454880	NM_027494.2	ZCCHC8	-0.267744224
ILMN_2736792	NM_027382.3	HDAC8	-0.267802925
ILMN_1213711	NM_001024206.1	TRAPPC1	-0.267866353
ILMN_2618447	NM_198293.1	4921518A06RIK	-0.26790005
ILMN_2543304		ANKRA2	-0.267926543
ILMN_2833936	NM_030004.2	CRYL1	-0.268161366
ILMN_2666061	NM_010886.1	NDUFA4	-0.268167689
ILMN_2659762	NM_026310.3	MRPL18	-0.268292988
ILMN_2685806	NM_011793.2	BANF1	-0.268451303
ILMN_2816547	NM_001013608.1	9330134C04RIK	-0.26846389
ILMN_1227526		9330177P18RIK	-0.268516965
ILMN_2748499	NM_145924.1	FSHPRH1	-0.268631232
ILMN_2857679	NM_011615.2	DEDD	-0.268745657
ILMN_1217150	NM_152807.3	CCDC137	-0.26881139
ILMN_2543830	XM_001006904.1	LOC674019	-0.26894207
ILMN_2473348	XM_358379.1	TTC13	-0.268942235
ILMN_2984012	NM_007997.1	FDXR	-0.269044104
ILMN_2718612	NM_026658.1	MTO1	-0.269119761

ILMN_1249032	NM_175245.2	2410129H14RIK	-0.269166418
ILMN_1249569	NM_021540.3	RNF130	-0.269374511
ILMN_1256257	XM_001471686.1	LOC100038882	-0.269393075
ILMN_2422333	NM_026508.2	TRAP1	-0.269504905
ILMN_2547571	XR_033404.1	LOC100047486	-0.269592187
ILMN_2831283	NM_028766.1	TMEM43	-0.26959976
ILMN_1237571		MRGPRA2	-0.269625385
ILMN_2680038	NM_028778.3	NUAK2	-0.269650754
ILMN_1220244	NM_011098.3	PITX2	-0.269696898
ILMN_3006930	NM_027409.1	MOSPD1	-0.269714085
ILMN_2773211	NM_021284.4	KRAS	-0.269799972
ILMN_1212964	XM_001481316.1	BC039210	-0.270039936
ILMN_2724785	NM_010598.2	KCNAB2	-0.27009278
ILMN_2564840		ARAF	-0.270115339
ILMN_1251104	NM_027476.2	ZDHHC24	-0.270116577
ILMN_3151503	NM_178684.3	C130032J12RIK	-0.270128218
ILMN_2593104	NM_178874.2	TMCC2	-0.270193423
ILMN_2984110	NM_032398.1	PLVAP	-0.270292896
ILMN_2659380	NM_007920.3	ELF1	-0.270398105
ILMN_2611186	XM_984472.1	4631422C13RIK	-0.270449158
ILMN_1236683	NM_013782.4	PTDSS2	-0.270534877
ILMN_1243876	NM_009812.2	CASP8	-0.270592688
ILMN_2680876	NM_028833.3	IQCE	-0.270615466
ILMN_2644708	NM_029648.3	D19ERTD737E	-0.270807559
ILMN_1237703		4932439E07RIK	-0.270812705
ILMN_2547978		4930400K19RIK	-0.270880955
ILMN_3153207	NM_001017959.1	LAMP2	-0.270910892
ILMN_2742849	NM_008566.2	MCM5	-0.27091171
ILMN_2728270	NM_008080.4	B4GALNT1	-0.270940552
ILMN_2670508	NM_013819.2	H2-M3	-0.270998294
ILMN_2632153	NM_175384.3	CDCA2	-0.271123455
ILMN_2837888	NM_001036293.2	NRBF2	-0.271186078
ILMN_1216057	NM_010559.2	IL6RA	-0.27123189
ILMN_1222315	XM_001477568.1	LOC100047167	-0.271323492
ILMN_1246870	XM_001481333.1	SPATA5L1	-0.271357251
ILMN_2730803	NM_026530.5	MPND	-0.271430635
ILMN_2845991	NM_021461.2	MKNK1	-0.271543303
ILMN_2751935	NM_013757.1	SYTL4	-0.271762562
ILMN_3141048	NM_009155.3	SEPP1	-0.271849252
ILMN_2600763	NM_008739.3	NSD1	-0.272260463
ILMN_1217662	NM_009733.1	AXIN1	-0.272450483
ILMN_1229545	NM_019825.2	NCOA6	-0.273016436
ILMN_2645662	NM_026436.3	TMEM86A	-0.273107219
ILMN_1223979	NM_028131.3	CENPN	-0.273130521
ILMN_1254276	NM_175662.1	HIST2H2AC	-0.273156296
ILMN_1230457	NM_138309.2	CD99L2	-0.27316914

ILMN_3003152	NM_178242.2	TNRC18	-0.27328435
ILMN_2830898	NM_023117.1	CDC25B	-0.273374244
ILMN_2726579	NM_008105.2	GCNT2	-0.273498323
ILMN_1260512	NM_010798.1	MIF	-0.273558522
ILMN_1241919		2210414H16RIK	-0.273662334
ILMN_2667404	NM_008468.3	KPNA6	-0.273720262
ILMN_2600508	NM_145371.1	EIF2B1	-0.273722622
ILMN_2482571		FLNB	-0.273800962
ILMN_2738242	NM_019961.2	PEX3	-0.273984159
ILMN_2743494	NM_027002.3	POLR2D	-0.274083738
ILMN_2657376	NM_025623.2	NIPSNAP3A	-0.274192941
ILMN_2607196	NM_144846.4	0910001A06RIK	-0.274211804
ILMN_2665422	NM_054070.1	AFG3L1	-0.274342331
ILMN_1238880		2310047K21RIK	-0.274703401
ILMN_2428388	NM_030234.2	WDR76	-0.275011496
ILMN_2679885	NM_020042.1	MOCS1	-0.275167066
ILMN_1251056	NM_030145.2	LSM6	-0.275279436
ILMN_2837543	NM_010937.2	NRAS	-0.275485539
ILMN_1217978	NM_010453.2	HOXA5	-0.275512112
ILMN_2492786	AK017777.1	SCL0004158.1_6	-0.275718144
ILMN_2645645	XM_001001311.2	HNRPA0	-0.275804585
ILMN_2765024	XM_132230.3	SEC31L1	-0.275811235
ILMN_2657780	NM_138598.5	D11WSU99E	-0.275928495
ILMN_1253336		AI850995	-0.275970632
ILMN_2744398	NM_017375.2	OSTF1	-0.276113251
ILMN_2695867	NM_139145.4	HLCS	-0.276231743
ILMN_2746830	NM_177564.4	BC022224	-0.276247586
ILMN_2484932		C030002B11RIK	-0.276320668
ILMN_1249670	NM_009787.2	PDIA4	-0.27637469
ILMN_3160174	NM_001013372.1	NRP	-0.276487152
ILMN_1236742	XM_914598.2	ALPK2	-0.276660154
ILMN_1223353	NM_010470.1	HP1BP3	-0.27670764
ILMN_2965132	NM_198617.1	TSPYL3	-0.276760336
ILMN_1215649		C230075M21RIK	-0.276863816
ILMN_2710185	NM_023402.1	MYLC2B	-0.276872714
ILMN_1248854	NM_019987.1	ICK	-0.276967011
ILMN_2799667	NM_027977.1	2310001A20RIK	-0.277064278
ILMN_1215890	NM_133828.2	CREB1	-0.277071251
ILMN_2469329	NM_011609.3	TNFRSF1A	-0.277084877
ILMN_1221340	NM_011187.1	PSMB7	-0.277169803
ILMN_2699477	NM_030251.2	ABTB1	-0.277223294
ILMN_2578592		D130092D14RIK	-0.27731333
ILMN_2926198	NM_023516.3	2310016C08RIK	-0.27750926
ILMN_2601525	NM_173785.2	A230051G13RIK	-0.277586505
ILMN_2419490	NM_009400.2	TNFRSF18	-0.278051546
ILMN_1251229	NM_028195.3	CYTH4	-0.278374239

ILMN_2596851	NM_010688.4	LASP1	-0.278516503
ILMN_2613659	NM_026295.2	CTDP1	-0.278659477
ILMN_2920759	NM_019765.2	CLIP1	-0.278772905
ILMN_1230087	NM_134013.3	PSME4	-0.278986697
ILMN_2659132	NM_025291.2	SRA1	-0.279016022
ILMN_1256175	NM_183028.3	PCMTD1	-0.279285964
ILMN_2796353	NM_009011.2	RAD23B	-0.27939103
ILMN_2754074	NM_033521.3	LAPTM4B	-0.279405158
ILMN_2776391	NM_019702.2	HBS1L	-0.279438031
ILMN_2617478	NM_133948.4	PSIP1	-0.279473301
ILMN_1228485	NM_009974.2	CSNK2A2	-0.279534703
ILMN_2749354	NM_174997.1	FAM168B	-0.279591833
ILMN_2702374	NM_177167.4	PPM1E	-0.279627606
ILMN_1248357	XM_001477508.1	LOC100046844	-0.279851785
ILMN_1226754	NM_018774.3	PHC2	-0.280008463
ILMN_1241414		4930429A08RIK	-0.280113577
ILMN_3058640	NM_001037812.1	ALS2CR4	-0.280130359
ILMN_2439505		2900006A08RIK	-0.280189288
ILMN_2461696	NM_023854.1	ARFGAP2	-0.280357698
ILMN_1220121		KIF23	-0.280374492
ILMN_2974280	NM_027381.1	2510012J08RIK	-0.280715644
ILMN_3163529	XM_001474445.1	LOC100045522	-0.28077351
ILMN_2746681	NM_001033308.2	BC013712	-0.280790297
ILMN_2557918		1700020I14RIK	-0.280816719
ILMN_2469320		2610319H10RIK	-0.280910937
ILMN_1228053	XM_001000361.1	1110034G24RIK	-0.280921704
ILMN_3123889	NM_178845.1	ZFP277	-0.281052161
ILMN_2896805	NM_025894.1	PSMD12	-0.281119021
ILMN_1251483	XR_033257.1	LOC667582	-0.281131246
ILMN_2647346	NM_028758.2	GGA2	-0.281258234
ILMN_1219781	NM_001033440.2	GM1587	-0.281499701
ILMN_2567653		SKD3	-0.281506564
ILMN_1225608		NCOA3	-0.281525334
ILMN_2790392	NM_133992.1	USP52	-0.281583313
ILMN_3126609	NM_001039187.1	CEACAM1	-0.281628862
ILMN_2812084	NM_134083.2	RCBTB2	-0.281632106
ILMN_2842802	NM_026062.2	2900024C23RIK	-0.281738624
ILMN_2760840	NM_146154.1	PPP1R8	-0.282018297
ILMN_1213982	NM_027109.1	DNASE1L1	-0.282030909
ILMN_1237640	NM_009919.1	CNIH	-0.282105637
ILMN_2842366	NM_025302.3	MRPL2	-0.282559689
ILMN_2666445	NM_018862.2	AGPAT1	-0.282573214
ILMN_1258420	NM_019796.4	SYNCRIP	-0.282738711
ILMN_2665625	NM_010175.2	FADD	-0.282758413
ILMN_2658687	NM_008521.1	LTC4S	-0.282784672
ILMN_1256807	NM_194340.1	C330019G07RIK	-0.282822799

ILMN_2640570	NM_027470.3	PAK4	-0.282886156
ILMN_1221611	NM_008850.1	PITPNA	-0.282920415
ILMN_1248410	NM_001003934.1	RTN3	-0.283069026
ILMN_2596534	NM_172124.2	B3GAT2	-0.283082983
ILMN_1225503		4833439L19RIK	-0.2830904
ILMN_3060966	NM_001033449.1	ALS2CR4	-0.283254322
ILMN_2626260	NM_028809.1	ARPC5L	-0.283409367
ILMN_1228383		3230401M21RIK	-0.283783407
ILMN_2610822	NM_008339.1	CD79B	-0.28378415
ILMN_2619107	NM_008495.1	LGALS1	-0.283862634
ILMN_2822239	NM_027658.1	HEXIM2	-0.283914407
ILMN_1224768	NM_133838.4	EHD4	-0.284123315
ILMN_3099398	NM_001042675.1	RBPMS	-0.284349401
ILMN_2688944	NM_019752.2	HTRA2	-0.284378833
ILMN_1236221	NM_011264.3	REV3L	-0.284472761
ILMN_2791952	NM_019479.2	HES6	-0.284579517
ILMN_1237483	NM_080561.3	RNF216	-0.284582369
ILMN_2598703	NM_010509.1	IFNAR2	-0.284693736
ILMN_2435413	NM_001081453.1	NIN	-0.284850391
ILMN_2852904	NM_024475.3	UBLCP1	-0.284932296
ILMN_1218036	NM_001040026.1	SCO1	-0.284965705
ILMN_2732229	NM_007452.1	PRDX3	-0.285074922
ILMN_2527760	NM_001039939.1	ASXL1	-0.28515697
ILMN_2618481	NM_144958.3	EIF4A1	-0.285239789
ILMN_1222637	NM_009672.2	ANP32A	-0.285282922
ILMN_2481799	NM_172918.3	ZFP317	-0.28544976
ILMN_2572010		SAS	-0.285517349
ILMN_2897230	NM_009284.2	STAT6	-0.285680748
ILMN_1254374	NM_019757.1	FZR1	-0.285881446
ILMN_1220875	NM_008020.2	FKBP2	-0.285916547
ILMN_2787310	NM_029231.2	PELP1	-0.286060395
ILMN_2672208	NM_020000.2	MED8	-0.286119216
ILMN_2684759	NM_138604.2	OTUD5	-0.286601991
ILMN_1245446		5730405I09RIK	-0.286630992
ILMN_2762514	NM_027422.1	2700087H15RIK	-0.286918312
ILMN_1239385	NM_153586.1	RBM41	-0.28698629
ILMN_2512043	XM_001477380.1	LOC100047012	-0.28717674
ILMN_2697057	XM_001479162.1	LOC100047603	-0.287227538
ILMN_1219942	NM_007997.1	FDXR	-0.287279484
ILMN_1225045	NM_029843.2	1700109H08RIK	-0.287359108
ILMN_1227707		NEK8	-0.287403211
ILMN_2725807	NM_029404.2	PHF14	-0.2874106
ILMN_1231849		SPNR	-0.287491019
ILMN_2665805	NM_011995.3	PCLO	-0.287795261
ILMN_2644845	NM_175113.3	TRMT6	-0.287982148
ILMN_2935012	NM_013471.1	ANXA4	-0.288020503

ILMN_2776952	NM_001033271.3	TMEM55B	-0.288300766
ILMN_1257623	NM_031376.2	PIK3AP1	-0.288314443
ILMN_2720356	XM_159702.3	ARHGEF11	-0.288335084
ILMN_1237950	NM_012047.1	BRD7	-0.28836328
ILMN_2680543	NM_011829.2	IMPDH1	-0.288389177
ILMN_1224534	NM_025644.3	EXOSC1	-0.288401366
ILMN_1231586	NM_021372.2	SERTAD2	-0.288538529
ILMN_1220100	NM_009536.3	YWHAE	-0.288677756
ILMN_2652719	NM_016933.3	PTPRCAP	-0.288773918
ILMN_1212991		3110023E09RIK	-0.28892164
ILMN_1232593	NM_197993.2	TUT1	-0.288997878
ILMN_1233929		PSMF1	-0.28906482
ILMN_2591031	NM_022018.2	FAM129A	-0.289099931
ILMN_2877443	NM_018811.4	ABHD2	-0.28940934
ILMN_2697954	NM_177224.1	CHD9	-0.289423071
ILMN_2650751	NM_019781.2	PEX14	-0.289426733
ILMN_2625520	NM_008297.2	HSF2	-0.289428342
ILMN_2594872	NM_028726.1	4632404H12RIK	-0.289428667
ILMN_2468405		5630401D06RIK	-0.289452362
ILMN_2839886	NM_010753.2	MXD4	-0.289676027
ILMN_2551852		C330049H01RIK	-0.289735452
ILMN_2853342	NM_011862.1	PACSIN2	-0.289794789
ILMN_2450215	NM_023854.1	ARFGAP2	-0.289849777
ILMN_2766455	NM_178701.2	LRRC8D	-0.290056822
ILMN_2748181	NM_009991.2	CYP11B2	-0.290261198
ILMN_2597013	NM_027827.2	AFMID	-0.290331861
ILMN_2680066	NM_009087.1	POLR1D	-0.290424816
ILMN_1247242	NM_025441.2	SDCCAG1	-0.290717752
ILMN_3160745	NM_027830.2	MCM9	-0.290744164
ILMN_2624574	NM_199032.2	CEP135	-0.290830217
ILMN_2679477	NM_027891.3	1200011O22RIK	-0.290957145
ILMN_1222246	NM_007408.3	ADFP	-0.291200438
ILMN_1228253	NM_175101.3	TMEM111	-0.291319901
ILMN_2592861	NM_001013381.1	RSAD1	-0.291322098
ILMN_1242802	NM_024287.3	RAB6	-0.291536448
ILMN_1257340	NM_012047.1	BRD7	-0.291541954
ILMN_3134598	NM_001024606.1	4833426J09RIK	-0.291587725
ILMN_2711948	XR_033736.1	LOC100047619	-0.291600028
ILMN_1213495	NM_022030.3	SV2A	-0.291768049
ILMN_1238789	NM_016886.2	GRIA3	-0.292061067
ILMN_1221859	NM_026365.2	JAGN1	-0.292259085
ILMN_1242577	XM_987550.1	LOC671523	-0.292316839
ILMN_1222313	NM_175655.1	HIST1H4F	-0.29239987
ILMN_1217913	XM_980391.1	D230007K08RIK	-0.292412887
ILMN_2464736		B230205O20RIK	-0.292537749
ILMN_2964728	NM_175471.2	2810410C14RIK	-0.292584326

ILMN_1214150	NM_001038637.1	GNG2	-0.292640442
ILMN_2623712	NM_009353.2	TERF2	-0.292670496
ILMN_2834677	NM_145940.2	WIPI1	-0.292707257
ILMN_1241482	XM_001473184.1	LOC100039607	-0.292844111
ILMN_1222543	NM_201641.2	UGT1A10	-0.292928719
ILMN_2850402	NM_021555.1	BRP16	-0.292975051
ILMN_2923864	NM_009811.2	CASP6	-0.293017585
ILMN_1233424		LBCL1	-0.293088667
ILMN_2911760	NM_133835.1	UBAC1	-0.293243217
ILMN_1214057	NM_178616.3	PSMD11	-0.293245857
ILMN_1243810	NM_207633.2	YIPF6	-0.293320893
ILMN_2681516	NM_139143.2	SLC39A6	-0.293559029
ILMN_1239177	XM_001474709.1	LOC100045644	-0.293592277
ILMN_2533054	XM_124858.2	LOC232887	-0.293685278
ILMN_2687032	NM_133765.2	FBXO31	-0.293925552
ILMN_2648080	NM_001042421.1	KNTC1	-0.294228105
ILMN_2730005	NM_009082.2	RPL29	-0.294326878
ILMN_2671366	NM_026377.1	6330577E15RIK	-0.294433838
ILMN_2534259	XM_111221.4	LOC237877	-0.294457262
ILMN_1226546		C79267	-0.294586495
ILMN_2652042		RAD18	-0.294603073
ILMN_2427909	NM_001035240.2	TRPM3	-0.294651853
ILMN_1235012		9430032P18RIK	-0.294824658
ILMN_2892507	NM_010242.2	FUT4	-0.295098184
ILMN_2732465	NM_025282.2	MEF2C	-0.295120608
ILMN_1237631	NM_053117.2	PARD6G	-0.295228587
ILMN_1260569	XM_907664.2	1810013L24RIK	-0.295271602
ILMN_2829295	NM_020560.1	MRPS31	-0.295569271
ILMN_2900557	NM_010620.1	KIF15	-0.295745339
ILMN_1221458	NM_029074.2	TMEM188	-0.295936052
ILMN_1222594	NM_028137.2	5730528L13RIK	-0.296170532
ILMN_3100258	NM_199226.1	THEG	-0.29647726
ILMN_2685390	NM_009745.1	BCL7B	-0.296500249
ILMN_1239137		2210410D02RIK	-0.296661768
ILMN_2984647	NM_007456.1	AP1M1	-0.296786985
ILMN_2719620	NM_021549.2	PNKP	-0.29695413
ILMN_3149112	NM_011794.3	BPNT1	-0.296991361
ILMN_2496664	NM_012017.2	ZFP346	-0.297129077
ILMN_2439130	NM_172120.2	VPS41	-0.297245742
ILMN_2596259	NM_025542.2	2410001C21RIK	-0.297355416
ILMN_1234589	NM_146141.1	PPA2	-0.297370204
ILMN_2961091	NM_023596.3	SLC29A3	-0.297466339
ILMN_1245424	XM_001002886.2	PPAT	-0.297473777
ILMN_1213136	NM_138606.1	PIM2	-0.297571942
ILMN_2420939	AK087461.1	SCL0002624.1_576	-0.297590773
ILMN_2592571	NM_138664.2	DNAJC28	-0.297712013

ILMN_1222004		RBBP9	-0.297765694
ILMN_2665870	NM_028136.1	DHX36	-0.297887308
ILMN_1257300	NM_026504.2	COQ5	-0.297954329
ILMN_3007956	NM_028986.1	GZF1	-0.298118675
ILMN_2987369	NM_029402.1	CUL2	-0.298164667
ILMN_2711045	NM_178848.3	SIRT5	-0.298247605
ILMN_2659540	NM_010901.2	NFATC3	-0.298297453
ILMN_2705846	NM_145823.2	PITPNC1	-0.298371963
ILMN_2857581	NM_181406.2	RARS2	-0.298664684
ILMN_2614895	NM_030250.1	NUS1	-0.298758024
ILMN_2707510	NM_007489.3	ARNTL	-0.298810848
ILMN_2706232	NM_009304.1	SYNGR2	-0.298817968
ILMN_2545953	NM_009479.2	UROS	-0.298980251
ILMN_1240038	NM_177673.2	BC046331	-0.299154652
ILMN_2728021	NM_172946.1	KRT222	-0.299241424
ILMN_1239801	XM_001002526.2	IRF2BP2	-0.299369956
ILMN_1259379	NM_028303.3	PDZD11	-0.299605617
ILMN_2987564	NM_175212.4	TMEM65	-0.299659146
ILMN_2625626	NM_001081179.1	HEATR5B	-0.29970985
ILMN_1237895	NM_027236.2	EIF1AD	-0.299762328
ILMN_1246758	NM_177614.2	OS9	-0.299805341
ILMN_3079421	NM_008801.2	PDE6D	-0.299842674
ILMN_2837865	NM_026309.1	LSM3	-0.299878055
ILMN_2474684		B230107K20RIK	-0.299883293
ILMN_1257463		BCL11A	-0.299968511
ILMN_2434235	NM_144825.2	TAOK1	-0.30011398
ILMN_1238955	XM_973520.1	EXOC1	-0.300126198
ILMN_1236459	NM_153783.4	PAOX	-0.300170716
ILMN_1219446	NM_198005.1	4833418A01RIK	-0.300310015
ILMN_2670542	NM_133768.1	ASL	-0.300480014
ILMN_1235669	NM_026171.1	NVL	-0.300786789
ILMN_1242472	NM_020606.5	PARVA	-0.300817062
ILMN_2607765	NM_175002.1	BC025076	-0.300886767
ILMN_2770894		MAP3K6	-0.300916677
ILMN_1223834	NM_009909.3	IL8RB	-0.300958036
ILMN_2984872	NM_009389.1	TLE3	-0.301033319
ILMN_2683326	NM_144886.2	EXOSC2	-0.301215852
ILMN_2472110	NM_025387.2	TMEM14C	-0.301299951
ILMN_2471858	NM_026048.3	2810452K22RIK	-0.301527324
ILMN_1252063	NM_009860.2	CDC25C	-0.301770011
ILMN_2575994		A730094H17RIK	-0.30179318
ILMN_2807229	NM_026681.4	CCDC88C	-0.301963022
ILMN_2770819		RNF10	-0.302048424
ILMN_2977762	NM_177296.4	TNPO3	-0.302064492
ILMN_2441899	NM_021288.2	TYMS	-0.302253988
ILMN_1255684	NM_011334.2	CLCN4-2	-0.302403557

ILMN_1240030		NFATC3	-0.302414861
ILMN_2607066	NM_028295.1	PDIA5	-0.302435676
ILMN_1215134	NM_198647.1	TBC1D22B	-0.302847124
ILMN_1223496	XM_001475823.1	LOC100046025	-0.302911327
ILMN_2777722		JARID1B	-0.302919887
ILMN_1224339	NM_198295.2	TXNDC10	-0.302931491
ILMN_1215903	NM_007457.2	AP1S1	-0.302931853
ILMN_1250698		A430034D21RIK	-0.302984546
ILMN_1244161	NM_019731.1	NME4	-0.302987248
ILMN_1222118	XM_129509.9	CEP350	-0.30312446
ILMN_1226902		SRRP86	-0.303441791
ILMN_2719834	NM_146014.2	CCM2	-0.303523099
ILMN_2806880	NM_175364.2	LYRM2	-0.303532644
ILMN_2427368		IGHV10S3_AF064446_I	-0.303570303
ILMN_3162570	NM_001004164.2	GNPTAB	-0.303797906
ILMN_2565835		B930008G03RIK	-0.303850966
ILMN_2635801	NM_025636.3	2310079N02RIK	-0.304039024
ILMN_2745240	NM_029826.2	HDHD2	-0.304120449
ILMN_1212648	NM_172877.2	4732496O08RIK	-0.304156772
ILMN_1249683		D130027A21RIK	-0.304167203
ILMN_1243228	NM_134103.1	IL1RAP	-0.30426613
ILMN_2679464	NM_027290.2	MCM10	-0.304402849
ILMN_2634248	NM_019666.2	SYNCRIP	-0.304654993
ILMN_2711329	NM_175430.4	CCDC40	-0.304767836
ILMN_3102072	NM_175229.3	SRRM2	-0.304872941
ILMN_1223140	NM_175317.2	EFTUD1	-0.304875812
ILMN_2893417	NM_009238.2	SOX4	-0.304976871
ILMN_2474052		5830411I20	-0.305039464
ILMN_2849680	NM_025387.1	TMEM14C	-0.305095684
ILMN_1228572	NM_030084.3	GPR108	-0.305136249
ILMN_1238762	XR_001789.2	EG665806	-0.305428087
ILMN_1259162	NM_009424.2	TRAF6	-0.305463669
ILMN_1260383	NM_001081392.1	MDN1	-0.305480018
ILMN_1252602	XM_001480443.1	LOC100048622	-0.305588419
ILMN_1218250	NM_178610.3	KRR1	-0.305696076
ILMN_2494421		SCL0002791.1_134	-0.305774931
ILMN_2443482	NM_011672.3	UFD1L	-0.305852132
ILMN_2914714	NM_019457.1	LRRC6	-0.305972488
ILMN_2465905		2310007O11RIK	-0.30600106
ILMN_1222022	NM_010629.2	KIFAP3	-0.306007597
ILMN_3152241	NM_134038.2	SLC16A6	-0.306103115
ILMN_2795078	NM_019449.1	UNC93B1	-0.30616186
ILMN_2659616	NM_009007.2	RAC1	-0.306170293
ILMN_1253039	NM_001013389.1	MRS2	-0.30627964
ILMN_2684279	NM_145537.1	EDEM2	-0.306577136
ILMN_1245008		GIN1	-0.306579821

ILMN_2735996	NM_011032.2	P4HB	-0.306693575
ILMN_2486231	XR_031635.1	LOC677216	-0.306726564
ILMN_2854004	NM_011461.2	SPIC	-0.306743452
ILMN_2857580	NM_181406.2	RARS2	-0.307047702
ILMN_1222682	NM_133716.2	SMAP2	-0.307086898
ILMN_1252320	NM_133346.2	ASB6	-0.307293967
ILMN_2972026	NM_009884.2	CEBPG	-0.307306056
ILMN_1238081	NM_011014.2	OPRS1	-0.307347082
ILMN_2739039	NM_009974.2	CSNK2A2	-0.307606418
ILMN_1258115	XM_284541.1	LRRFIP2	-0.307651478
ILMN_2516654	NM_175550.3	AP4E1	-0.307810357
ILMN_1247989	NM_053266.1	GTF2IRD2	-0.307965465
ILMN_2659950		ECHDC1	-0.307993376
ILMN_2892479	NM_172639.1	5330431N19RIK	-0.308063705
ILMN_1229004	XM_207052.2	LOC279899	-0.308167724
ILMN_2735294	NM_026672.2	GSTM7	-0.308212116
ILMN_2773909	NM_028166.3	1600014C10RIK	-0.308394705
ILMN_2745540	NM_011135.4	CNOT7	-0.308590262
ILMN_2745522	NM_133790.1	R74862	-0.308659115
ILMN_2862538	NM_007730.2	COL12A1	-0.308919943
ILMN_1224614	NM_053183.2	DDX50	-0.309185619
ILMN_2458030	NM_013507.3	EIF4G2	-0.309301752
ILMN_2706231	NM_009304.1	SYNGR2	-0.309427067
ILMN_2706430	NM_010559.2	IL6RA	-0.309581915
ILMN_2660663	NM_016895.3	AK2	-0.309732495
ILMN_2661733	NM_008212.1	HADHSC	-0.309812181
ILMN_2722033	XM_910826.2	BTBD2	-0.310065863
ILMN_1252149			6.03E+24 -0.3102316
ILMN_3120652	NM_133716.2	SMAP2	-0.310535894
ILMN_2639642	NM_152801.1	ARHGEF6	-0.310585326
ILMN_2681824	NM_080428.2	FBXW7	-0.310869161
ILMN_1253864	NM_020594.2	ZC3H8	-0.310883215
ILMN_3007728	NM_172757.3	HEATR3	-0.310943886
ILMN_2750905		LRRIQ2	-0.311009829
ILMN_2906430	NM_017480.1	ICOS	-0.311179958
ILMN_2680686	NM_145477.1	ALG12	-0.311379185
ILMN_1242900	NM_026040.2	SRFBP1	-0.311488081
ILMN_1223384	NM_030221.1	NADSYN1	-0.311764943
ILMN_1253181	XM_486849.5	EG434907	-0.311787533
ILMN_1241640		POSH-PENDING	-0.311819067
ILMN_2654074	NM_001013370.1	SESN1	-0.311853513
ILMN_1249838		3830408P04RIK	-0.312009498
ILMN_2685525	XM_126016.2	4930529M09RIK	-0.312187074
ILMN_1245455	XM_194337.7	MEGF8	-0.312191928
ILMN_1217302	NM_009211.2	SMARCC1	-0.312213797
ILMN_1225324	NM_010945.1	NSMAF	-0.312218615

ILMN_2533300	XM_134575.5	LOC380626	-0.312234995
ILMN_2778872	NM_019499.2	MAD2L1	-0.312240844
ILMN_3006611	NM_011945.2	MAP3K1	-0.312270972
ILMN_2548916		4930438D12RIK	-0.312360257
ILMN_2612091		2610034E13RIK	-0.312379942
ILMN_2739843		METRN	-0.312586423
ILMN_1253556		A930015D01RIK	-0.312652144
ILMN_2590860	NM_011294.2	RPO2TC1	-0.312832551
ILMN_2587980	XM_358773.1	D16BWG1494E	-0.312836684
ILMN_1219946	NM_008348.2	IL10RA	-0.312994089
ILMN_1241302	NM_007782.1	CSF3R	-0.313185867
ILMN_2675681	XM_001477288.1	LOC100047052	-0.313883076
ILMN_1228544	NM_020579.1	B4GALT3	-0.313984124
ILMN_1225938		AW112037	-0.31408234
ILMN_2804622	NM_029365.1	MED25	-0.31412987
ILMN_2684300	NM_026549.3	PDCD2L	-0.314165714
ILMN_1226584	NM_030139.3	ZFP449	-0.314172259
ILMN_2993944	NM_001037918.1	EG623661	-0.314502067
ILMN_2822915	NM_172827.1	LNPEP	-0.314515261
ILMN_1219304	NM_001012638.1	ACD	-0.314879755
ILMN_1227463	XM_001478963.1	LOC100047834	-0.314972498
ILMN_1234387		ACP1	-0.31500292
ILMN_2598852	NM_011239.2	RANBP1	-0.315053526
ILMN_1247996	XM_001005723.1	LOC673501	-0.315318079
ILMN_1235623	NM_144881.3	HHAT	-0.315391457
ILMN_1214974	NM_010744.1	IL1RL1L	-0.315492763
ILMN_1237114	NM_177260.2	TMEM154	-0.315735204
ILMN_2630710	NM_030199.3	ZFP623	-0.3157488
ILMN_1215416	XM_207385.3	C130035G06RIK	-0.315802107
ILMN_1221445	XM_131720.2	2610002D18RIK	-0.315864988
ILMN_3154111	NM_029204.1	RNASSET2	-0.316328239
ILMN_1242705		4833420G17RIK	-0.316345305
ILMN_1218118		TIA1	-0.316398551
ILMN_2525289	XM_914864.3	C330018D20RIK	-0.316407707
ILMN_2887131	NM_144937.2	USP3	-0.316449076
ILMN_1237927		8430407G10RIK	-0.316464209
ILMN_2700533	NM_011235.3	RAD51L3	-0.316735956
ILMN_3082808	NM_001007578.1	ARMCX6	-0.317024473
ILMN_1213604	NM_007486.3	ARHGDIB	-0.317230462
ILMN_1244773	NM_001037279.1	2700094K13RIK	-0.317263774
ILMN_1250346	NM_009986.3	CUX1	-0.317350577
ILMN_2605031	NM_177133.2	E330018D03RIK	-0.317533516
ILMN_1254605	NM_011604.1	TLR6	-0.317732544
ILMN_2898944	NM_025657.2	LRRC57	-0.31787387
ILMN_2796429	NM_133948.2	PSIP1	-0.318011534
ILMN_2838372	NM_028079.1	2010111I01RIK	-0.318099406

ILMN_1221874	XR_031556.1	LOC244710	-0.318165908
ILMN_2707623	NM_027151.1	DCTN2	-0.318433894
ILMN_1237207		SYNC	-0.318550373
ILMN_1213382		SKZ1-PENDING	-0.318579035
ILMN_2601118	NM_145427.1	ATPAF2	-0.318711465
ILMN_2939367	NM_175751.3	ZFP608	-0.318759513
ILMN_1238113		C030034I22RIK	-0.318966988
ILMN_1259724		MAN1B	-0.319165531
ILMN_2580917		ABCD3	-0.319178196
ILMN_1241054	NM_001039045.1	PIGC	-0.319244397
ILMN_1244214	NM_026341.2	NUDT13	-0.319285096
ILMN_1250704	NM_178593.3	RCSD1	-0.319370599
ILMN_1233220		1110038G02RIK	-0.319372919
ILMN_1224653	XR_032194.1	LOC432730	-0.31951736
ILMN_2771109	NM_001100464.1	ABPB	-0.319587298
ILMN_2699700	NM_019767.2	ARPC1A	-0.319660392
ILMN_1213186		4432404P07RIK	-0.319701842
ILMN_1235439	NM_001003918.2	USP7	-0.319733002
ILMN_2861051	NM_207535.1	MRGPRA7	-0.319869201
ILMN_2484838	NM_026861.2	UBAC2	-0.31988307
ILMN_2675922	XM_908180.3	2310047A01RIK	-0.319905711
ILMN_2599544	NM_027472.2	5730455P16RIK	-0.320063739
ILMN_2476795	XM_994391.2	A930035D04RIK	-0.320198857
ILMN_2979639	NM_010388.2	H2-DMB2	-0.320209415
ILMN_1229532		2310079N02RIK	-0.320327218
ILMN_2498763	NM_012039.1	ZW10	-0.320372255
ILMN_1224540	NM_133222.2	ELTD1	-0.320794371
ILMN_1220676	NM_145990.3	CDK5RAP2	-0.320833272
ILMN_2718681	XM_001473166.1	ARFGEF1	-0.321250748
ILMN_2678521	NM_030258.2	GPR146	-0.321307618
ILMN_2950441	NM_013676.1	SUPT5H	-0.321546246
ILMN_1232627	NM_178745.3	6330442E10RIK	-0.32167654
ILMN_2815594	NM_019833.1	B230317C12RIK	-0.321985869
ILMN_2847773	NM_001045540.1	OTTMUSG0000000552:	-0.322076207
ILMN_2462762	NM_018765.1	WBP4	-0.322210735
ILMN_1250019	NM_019737.1	B4GALT6	-0.322224712
ILMN_1250882	NM_024471.4	LIAS	-0.322270015
ILMN_2751194	NM_199079.1	DDX17	-0.322397158
ILMN_1254131	NM_010301.3	GNA11	-0.322480621
ILMN_1215768	NM_024182.4	RIOK3	-0.322557138
ILMN_2665597	NM_026944.1	ALKBH3	-0.322744595
ILMN_2774825	NM_013716.2	G3BP1	-0.322768014
ILMN_2750377	NM_001030014.2	MCAT	-0.322821033
ILMN_1216440		GNE	-0.322880856
ILMN_2663291	NM_153390.1	PXT1	-0.323150727
ILMN_2590366	NM_023670.2	IGF2BP3	-0.32354152

ILMN_1218425	NM_177342.3	TAF5	-0.323556947
ILMN_3080410	NM_207633.2	YIPF6	-0.323667428
ILMN_2856144	NM_023858.1	MTMR2	-0.323851738
ILMN_3058391	NM_172413.2	RAP2C	-0.324161208
ILMN_1241196	NM_026168.3	ERGIC2	-0.324225046
ILMN_2700532	NM_011235.2	RAD51L3	-0.324261814
ILMN_2702575	NM_175360.2	OBFC1	-0.324389271
ILMN_1216036	NM_053186.2	CNNM3	-0.324481214
ILMN_1229092		SLC20A2	-0.324599653
ILMN_1240806	XM_981204.1	MYO9A	-0.324866694
ILMN_1255530	NM_029553.2	TTC8	-0.324886911
ILMN_1224353	XM_981869.1	RCC2	-0.324902267
ILMN_1232028		ITGA4	-0.324918287
ILMN_2782634	NM_177025.3	COBLL1	-0.324975991
ILMN_1226367	NM_175266.4	EPM2AIP1	-0.325274522
ILMN_2500855		4732423E21RIK	-0.325387683
ILMN_2766942	XM_143616.3	C430017H16RIK	-0.325418204
ILMN_1245314	XM_001473937.1	LOC100045254	-0.32545474
ILMN_1226325	NM_033569.2	CNNM2	-0.325507346
ILMN_2820369	NM_026231.2	GSTCD	-0.325514656
ILMN_1235616	NM_028776.3	1200016D23RIK	-0.32600357
ILMN_2933624	NR_002885.1	LOC654467	-0.326011038
ILMN_2926068	NM_175563.3	PRR11	-0.326015949
ILMN_2552380		4930465J06RIK	-0.326115717
ILMN_2767487	NM_013556.2	HPRT1	-0.326250573
ILMN_1226642	NM_025617.2	2210012G02RIK	-0.326340561
ILMN_2690620	NM_133234.1	BBC3	-0.326380197
ILMN_2658914	NM_199028.1	AK122525	-0.326573029
ILMN_1222803	NM_010481.1	HSPA9	-0.326827025
ILMN_1249694	NM_028352.3	PGM3	-0.327218897
ILMN_1229830		ZFHX1B	-0.327373448
ILMN_1227815		IDH3A	-0.327682743
ILMN_1228373	XM_139484.2	LOC239416	-0.327737126
ILMN_2986172	NM_026539.1	CHD1L	-0.327747461
ILMN_1217896		C230084O18RIK	-0.327777138
ILMN_2787785	NM_001045514.1	AKNA	-0.327826377
ILMN_2957113	NM_133658.1	ERCC3	-0.327843412
ILMN_1249601		D930024N12RIK	-0.328009136
ILMN_2688728	NM_009981.3	PCYT1A	-0.328279352
ILMN_2696247	NM_011790.4	ARIH2	-0.32828076
ILMN_1237504	XM_989242.1	ZFP508	-0.328438346
ILMN_3073044	NM_026447.2	PPM1M	-0.328451567
ILMN_2594873	NM_028726.1	4632404H12RIK	-0.328520194
ILMN_2674890	NM_020601.2	TBL1X	-0.328611537
ILMN_2575376	NM_029337.2	EP400	-0.328653519
ILMN_2614540	NM_011972.1	POLI	-0.328757786

ILMN_2880346	NM_028244.1	RRP1B	-0.328842083
ILMN_2661422	NM_019444.2	RAMP2	-0.328924711
ILMN_2949869	NM_009376.1	IFT88	-0.328933566
ILMN_3131766	NM_011637.6	TREX1	-0.329086111
ILMN_2506012	NM_021897.1	TRP53INP1	-0.329133776
ILMN_2723338	NM_020329.3	DOLPP1	-0.32922313
ILMN_2585233		SELPL	-0.329265144
ILMN_2705078	NM_139117.2	CSDA	-0.329466152
ILMN_2760548	NM_183019.2	ARHGEF4	-0.330147751
ILMN_2617496	NM_025900.1	DEK	-0.330319438
ILMN_2605872	NM_011603.4	TBPL1	-0.330340216
ILMN_1234929	XM_001473421.1	LOC100044968	-0.330403694
ILMN_1243798		9030203C11RIK	-0.330412088
ILMN_2479611	NM_013910.2	FBXL10	-0.330471271
ILMN_2752327	NM_145962.2	PANK3	-0.330930632
ILMN_1229418	NM_080634.3	HPS3	-0.330939594
ILMN_3162754	NM_023637.1	SARS2	-0.330955523
ILMN_1217296	NM_012003.1	COPS7A	-0.331009587
ILMN_2585533		LY78	-0.331050727
ILMN_1239230	NM_011496.1	AURKB	-0.331206047
ILMN_1256817	NM_011414.2	SLPI	-0.331285515
ILMN_1240431		EPHB2	-0.331348021
ILMN_1250410	NM_011163.3	EIF2AK2	-0.331400823
ILMN_1215969	NM_198023.2	RCOR1	-0.331478507
ILMN_2505392		4921513D23RIK	-0.331510774
ILMN_1244491		LY108	-0.331553087
ILMN_1222389	NM_028748.2	PAQR5	-0.331838928
ILMN_1225466	XM_001479914.1	1700022N22RIK	-0.331865398
ILMN_2675535	NM_009796.2	CAPN7	-0.331885417
ILMN_2857204	NM_172683.1	POGZ	-0.331982027
ILMN_2742928	NM_008761.2	FXDY5	-0.331989483
ILMN_1245079	NM_007421.1	ADSSL1	-0.332006179
ILMN_1248254	NM_138591.1	GFM1	-0.332138348
ILMN_1232159	XM_125854.4	AMDHD1	-0.3321833
ILMN_2424605	NM_013711.1	TXNRD2	-0.332657427
ILMN_2743668	NM_024471.4	LIAS	-0.332754606
ILMN_2769772	NM_178149.4	PIK3IP1	-0.332858236
ILMN_2707291	NM_001081355.1	PRDM2	-0.333056063
ILMN_2828916	NM_028127.3	FRMD6	-0.33305727
ILMN_2763459	NM_173038.3	TBCEL	-0.333124301
ILMN_1238179	NM_027184.1	IPMK	-0.333151051
ILMN_2703082	NM_201637.2	CHD8	-0.333230451
ILMN_1246976	NM_010716.2	LIG3	-0.333325502
ILMN_1224430	NM_016791.3	NFATC1	-0.333367912
ILMN_2743723	NM_011202.2	PTPN11	-0.333405842
ILMN_2693679	NM_183115.3	CCDC125	-0.333429658

ILMN_2700408	NM_011844.3	MGLL	-0.333445912
ILMN_1243193		0610007L01RIK	-0.333729564
ILMN_2592709	NM_008338.2	IFNGR2	-0.334035827
ILMN_1233117		E030040G24RIK	-0.334078716
ILMN_2631144	NM_144884.1	TOR1A	-0.334122339
ILMN_2646203	NM_009870.2	CDK4	-0.334211113
ILMN_2656282	NM_007700.1	CHUK	-0.334235663
ILMN_2712044	NM_016707.2	BCL11A	-0.334344392
ILMN_2918987	NM_024471.2	LIAS	-0.33462983
ILMN_2819319	NM_009104.1	RRM2	-0.334672259
ILMN_1221973	NM_178891.4	PRMT6	-0.334837118
ILMN_2708811	NM_181279.1	BRE	-0.334869591
ILMN_2922728	NM_028456.1	RWDD3	-0.334954167
ILMN_2497068	NM_144516.2	ZMYND11	-0.335252651
ILMN_2544126		2010005E20RIK	-0.335378405
ILMN_2597030	NM_145533.1	SMOX	-0.335432714
ILMN_2651209	NM_020032.2	POLL	-0.335549413
ILMN_2718843	NM_026640.2	4632417K18RIK	-0.33572599
ILMN_1215967	NM_025442.3	ALG5	-0.335988995
ILMN_3058077	NM_011482.3	NHP2L1	-0.336090783
ILMN_2935909	NM_029410.1	BCL2L12	-0.33621622
ILMN_2873444	NM_026346.1	FBXO32	-0.336218197
ILMN_2995794	NM_001001738.2	ITPRIP	-0.336311146
ILMN_2459146	NM_029835.1	5730590G19RIK	-0.336336681
ILMN_2985657	NM_198642.1	5031414D18RIK	-0.336351739
ILMN_2428252	NM_053268.2	RASA2	-0.336462245
ILMN_1230908		2810407C02RIK	-0.336574915
ILMN_2921698	NM_144844.1	PCCA	-0.336580668
ILMN_2550908		9430002A10RIK	-0.33684701
ILMN_1234199	NM_177025.4	COBLL1	-0.337441844
ILMN_2681805	NM_010739.1	MUC13	-0.337727971
ILMN_2856697	NM_007589.4	CALM2	-0.337746218
ILMN_1212848	NM_019743.3	RYBP	-0.338075187
ILMN_1215213	NM_001040396.2	2810407C02RIK	-0.338169734
ILMN_1250926		A130049L09RIK	-0.338527296
ILMN_2702471	NM_134079.3	ADK	-0.338754583
ILMN_1217938		AKAP8	-0.338795588
ILMN_2611155	NM_019715.1	KCMF1	-0.338834696
ILMN_2600453	NM_031408.2	GIGYF1	-0.338845442
ILMN_1245809	XM_903145.3	1810043H04RIK	-0.33903236
ILMN_2538281	XM_359105.1	LOC386179	-0.33921221
ILMN_1246017	NM_178928.4	AFAP1L1	-0.339224812
ILMN_3151492	NM_001025572.1	ANKRD12	-0.339280184
ILMN_3104349	NM_001037761.1	CAPZB	-0.339293034
ILMN_1246321	NM_008184.1	GSTM6	-0.33943352
ILMN_1254405	NM_019390.1	LMNA	-0.339493773

ILMN_2552236		FOXP1	-0.33951181
ILMN_2910106	NM_145939.1	ALG3	-0.339670255
ILMN_2457995		PRPF4B	-0.339695032
ILMN_2682333	XM_001477998.1	LOC100047368	-0.340325899
ILMN_2897468	NM_028131.1	2610510J17RIK	-0.340392125
ILMN_1222917	NM_011201.3	PTPN1	-0.340580385
ILMN_1233116	NM_008696.2	MAP4K4	-0.340672012
ILMN_2912318	NM_009353.1	TERF2	-0.340802258
ILMN_2618795	NM_026873.2	PTCD2	-0.341124941
ILMN_2675853	XM_001472680.1	LOC100044636	-0.34125525
ILMN_2667972	NM_198683.1	CUGBP1	-0.341424557
ILMN_2650793	XM_129375.9	CAMSAP1	-0.341463535
ILMN_1251434		B930089N03RIK	-0.341478819
ILMN_1214408	XR_034389.1	LOC666403	-0.341498022
ILMN_2876482	NM_025840.2	BZW2	-0.341504965
ILMN_2615709	NM_026282.4	SPC24	-0.341632877
ILMN_1249197	NM_009649.2	AKAP2	-0.341656583
ILMN_2630293	NM_026302.2	DCTN4	-0.34166814
ILMN_2878021	NM_026482.1	ATP2B1	-0.341706005
ILMN_2630593	NM_007927.2	EMD	-0.341791889
ILMN_1225224	NM_025978.2	TTC14	-0.341800361
ILMN_1245322	NM_029090.3	NAT15	-0.341867004
ILMN_2642806	NM_018785.2	PRPF40A	-0.341937363
ILMN_1231253		A730068E08RIK	-0.342069372
ILMN_3040069	NM_178216.1	HIST2H3C1	-0.342142676
ILMN_1241977	XM_912044.2	LOC635297	-0.342375693
ILMN_2758695		NUP93	-0.342543868
ILMN_2821788	NM_145924.2	CENPI	-0.34260784
ILMN_2541823	NM_027740.5	WDR51B	-0.34262432
ILMN_2793464	NM_145209.2	OASL1	-0.342666697
ILMN_2872698	NM_172406.2	TRAK2	-0.342887605
ILMN_2795949	NM_026412.1	D2ERTD750E	-0.343043966
ILMN_3118169	NM_173001.1	JMJD1A	-0.343402306
ILMN_2757855	NM_172545.2	EHMT1	-0.343965637
ILMN_2610810	NM_023066.2	ASPH	-0.344033447
ILMN_2689160	NM_019930.1	RANBP9	-0.344044658
ILMN_1227366	NM_172733.1	DERA	-0.344049013
ILMN_2673369	NM_008320.3	IRF8	-0.344102669
ILMN_2912082	NM_008054.1	FYN	-0.344174199
ILMN_1244797	NM_144553.1	DLGAP5	-0.344398692
ILMN_2461088		5430440L12RIK	-0.344449274
ILMN_2696360	NM_027123.2	2310010B21RIK	-0.344581935
ILMN_2730514	NM_020586.1	HERPUD2	-0.344691226
ILMN_1229468	NM_172578.2	C79407	-0.344921265
ILMN_2437797	AK042145.1	SCL0004025.1_69	-0.344931141
ILMN_3072945	NM_019671.2	NET1	-0.345022075

ILMN_1260181	NM_178613.3	4933433P14RIK	-0.345218997
ILMN_3139253	NM_001017525.1	BTBD11	-0.345385009
ILMN_2628174	NM_080575.1	ACSS1	-0.34544705
ILMN_2974418	NM_027740.3	WDR51B	-0.345519346
ILMN_1242790	NM_172904.2	FSD2	-0.345980172
ILMN_2748584	XM_001480237.1	LOC100048221	-0.345983954
ILMN_1256108	XM_897700.2	D14ABB1E	-0.346158622
ILMN_1213144	NM_021714.3	WBP11	-0.346253036
ILMN_2622630	NM_028754.1	0610037L13RIK	-0.346333999
ILMN_1219840		2310033F14RIK	-0.346394862
ILMN_1233563		A630053N20RIK	-0.346437576
ILMN_2751709	NM_025500.1	MRPL37	-0.346504296
ILMN_1238497	NM_019765.4	CLIP1	-0.34662452
ILMN_2974737	NM_177628.3	BC065085	-0.346774765
ILMN_2779636	NM_023434.1	5730589K01RIK	-0.346977666
ILMN_2534823	XM_135371.3	LOC235857	-0.347046742
ILMN_2767057	NM_028469.3	3110082I17RIK	-0.347209178
ILMN_1245256	NM_146084.1	FAM13B	-0.347276175
ILMN_2917270	NM_175558.2	ZFP446	-0.347302895
ILMN_1238894	NM_016777.3	NASP	-0.347335222
ILMN_2509798	NM_011671.2	UCP2	-0.347472137
ILMN_2894245	NM_019460.1	SFMBT1	-0.347489903
ILMN_2633275	NM_025872.4	GOLT1B	-0.347540279
ILMN_3124374	NM_027707.2	NIPBL	-0.347650791
ILMN_1238412		SHMT1	-0.347690935
ILMN_2629582	NM_008873.2	PLAU	-0.347832046
ILMN_2689138	NM_173735.2	2310044G17RIK	-0.347894337
ILMN_2799851	NM_009018.1	RAET1C	-0.347923224
ILMN_2669804	NM_025794.1	ETFDH	-0.348019477
ILMN_2853800	NM_021390.2	SALL1	-0.348305516
ILMN_3078052	NM_001003916.1	ZC4H2	-0.348466452
ILMN_3024238	NM_028404.1	TOP1MT	-0.34876684
ILMN_1243903	NM_175111.3	HSPBAP1	-0.348841503
ILMN_3163063	NM_001008238.2	BNIP2	-0.349223447
ILMN_2539664	XM_358732.1	LOC383456	-0.349251183
ILMN_2808751	NM_029933.3	BCL9	-0.349280692
ILMN_1237333	XM_354567.1	LOC380665	-0.349335473
ILMN_2752989	NM_009302.2	SWAP70	-0.349373428
ILMN_2758728	NM_025304.3	LCMT1	-0.349500005
ILMN_2886646	NM_013563.3	IL2RG	-0.34953862
ILMN_1232495	XM_001471637.1	LOC100044177	-0.349594298
ILMN_1250576	NM_028341.2	2810439F02RIK	-0.349615189
ILMN_3123716	NM_024431.2	MORF4L1	-0.349662914
ILMN_2621160	NM_028119.4	DDB2	-0.349821229
ILMN_2727235	NM_001081379.1	ANKRD11	-0.350342629
ILMN_1232954	XR_030518.1	LOC236294	-0.35036854

ILMN_1231506	NM_029861.2	CNRIP1	-0.350699468
ILMN_1224781	NM_153064.4	NDUFS2	-0.350707468
ILMN_2936954	NM_026171.1	NVL	-0.351003856
ILMN_2696994	NM_020032.2	POLL	-0.351019343
ILMN_2870443	NM_010236.1	FPGS	-0.351024496
ILMN_2632712	NM_009689.2	BIRC5	-0.351064174
ILMN_2950302	NM_007879.1	DRG1	-0.35135561
ILMN_2610600	NM_020618.3	SMARCE1	-0.351694074
ILMN_2642525	NM_025614.3	RWDD1	-0.351787721
ILMN_3161612	NM_022655.2	IREB2	-0.351934923
ILMN_3096144	NM_011486.4	STAT3	-0.352009304
ILMN_2672054	NM_019680.1	ENSMUSG0000005351	-0.352011439
ILMN_2749518	NM_013594.1	MBD1	-0.352155387
ILMN_2699307	NM_013546.2	HEBP1	-0.352265671
ILMN_1224202		2610103N14RIK	-0.352272407
ILMN_2836173	NM_026855.1	ARV1	-0.352293634
ILMN_3138419	NM_001033638.1	CRXOS1	-0.352315387
ILMN_2467578	AK049709.1	SCL000416.1_19	-0.352442373
ILMN_2746906	NM_033080.2	NUDT19	-0.352570604
ILMN_2509918	NM_019656.3	TSPAN6	-0.352603269
ILMN_2901655	NM_144896.2	PET112L	-0.352646003
ILMN_1245048	J05277.1	SCL0003886.1_50	-0.352787331
ILMN_2715234	NM_183263.3	RNMTL1	-0.353035448
ILMN_2737903	NM_013710.3	FGD2	-0.353190013
ILMN_1254622	XM_484933.5	PCP4L1	-0.353509305
ILMN_2780286	NM_001004366.1	SCUBE3	-0.353708453
ILMN_3030340	NM_027874.2	CSNK1D	-0.353900783
ILMN_1245109		3830430K15RIK	-0.354034951
ILMN_2471289	NM_020267.2	TRIM44	-0.354094231
ILMN_2727920	NM_009775.2	TSPO	-0.3543098
ILMN_2684388	NM_025969.3	1700034H14RIK	-0.354397693
ILMN_1213191		BRRN1	-0.354566313
ILMN_2732092	NM_021296.2	GRPEL2	-0.354617795
ILMN_1232123	NM_134000.3	TRAF3IP2	-0.35467332
ILMN_1237967	NM_030152.4	NOL3	-0.354683516
ILMN_2605917	XM_001479335.1	LOC100047863	-0.35471091
ILMN_1231624	NM_001039684.2	MKS1	-0.354818026
ILMN_1220311		2810003O05RIK	-0.354843784
ILMN_2640883	NM_023317.1	NDE1	-0.354894666
ILMN_2641449	NM_016804.2	MTX2	-0.354941435
ILMN_2934549	NM_201364.1	BC055324	-0.355027903
ILMN_2641946	NM_001001882.2	RTEL1	-0.355316284
ILMN_2594811	NM_026000.2	PSMD9	-0.355352671
ILMN_2725529	NM_172812.1	HTR2A	-0.355432154
ILMN_1247410		SLC20A1	-0.355501708
ILMN_2817021	NM_001033441.1	ALG10B	-0.355505961

ILMN_1217378	NM_011220.2	PTS	-0.355527964
ILMN_2551723		3000003G13RIK	-0.355746035
ILMN_2754492	NM_144877.1	5630401D24RIK	-0.35589037
ILMN_1242920	XM_908501.3	PFAS	-0.35597106
ILMN_1235329		ETV5	-0.35612515
ILMN_2543314		1110014J17RIK	-0.356125424
ILMN_1236202		C430015M08RIK	-0.356286337
ILMN_1222355	XM_980330.1	SCN2A1	-0.356486085
ILMN_3072676	NM_001025572.1	ANKRD12	-0.356494425
ILMN_1249374		4632427E13RIK	-0.356567173
ILMN_2741985	NM_009015.2	RAD54L	-0.356665517
ILMN_1248070		P38IP-PENDING	-0.356830732
ILMN_2429108		2700024H10RIK	-0.356940449
ILMN_1232115	NM_144857.1	BC011248	-0.356949612
ILMN_1257110	NM_026113.4	GTF3C6	-0.357392532
ILMN_2534556	XM_111306.1	LOC195150	-0.357515928
ILMN_2731080	NM_148945.1	RPS6KA3	-0.357757533
ILMN_1256502		PTEN	-0.357765882
ILMN_3162465	NM_001033192.2	C78339	-0.357937022
ILMN_2739486	XR_034510.1	LOC100048056	-0.358005796
ILMN_2582706		B230312E02RIK	-0.358068894
ILMN_2675587	NM_024475.2	BC002236	-0.358336701
ILMN_2445548		C330006A16RIK	-0.358407753
ILMN_1234905	NM_025554.2	POLR2E	-0.358951658
ILMN_1260362	XM_001473902.1	EG632248	-0.358951755
ILMN_2542959	XM_147345.1	PGLYRPL-PENDING	-0.359401592
ILMN_2734368	NM_028369.1	MON1A	-0.359462671
ILMN_3023230	NM_001017426.1	JMJD3	-0.359479008
ILMN_1225261	NM_011670.1	UCHL1	-0.359632071
ILMN_1254577	XM_980696.2	AI607873	-0.359885811
ILMN_1249677		2010015J01RIK	-0.360107164
ILMN_2476466		2610010A15RIK	-0.36066389
ILMN_1237942	NM_145221.2	APPL1	-0.360739105
ILMN_1216239	NM_001081213.1	ERMP1	-0.360819089
ILMN_1240871	NM_025716.2	SPRYD4	-0.36098662
ILMN_2771979	NM_010050.2	DIO2	-0.361003295
ILMN_2556771		9330171D12RIK	-0.361014698
ILMN_2503318	NM_019490.1	USO1	-0.361217988
ILMN_3127375	NM_134150.2	OTUB1	-0.361267254
ILMN_1245709		5830411K21RIK	-0.361294482
ILMN_2546724	NM_019553.2	DDX21	-0.361334343
ILMN_2802244	NM_145628.2	USP11	-0.361334665
ILMN_3151281	NM_178658.4	6330500D04RIK	-0.361443912
ILMN_3059326	NM_009242.1	SPARC	-0.361572653
ILMN_1217705	XM_358371.1	C130002K18RIK	-0.361819805
ILMN_3126848	NM_008627.2	MEIS3	-0.361845339

ILMN_2704360	NM_028082.1	CNOT2	-0.361916242
ILMN_1237696	NM_019674.3	PPP4C	-0.361980449
ILMN_2638404	NM_133865.2	DCLRE1B	-0.362119607
ILMN_2892227	NM_027976.2	ACSL5	-0.36226122
ILMN_2789650	NM_013808.3	CSRP3	-0.362320803
ILMN_1230623	NM_009030.3	RBBP4	-0.362488057
ILMN_1248569	NM_013896.3	TIMM9	-0.362527206
ILMN_1240074	NM_001025599.2	TRIM26	-0.362700187
ILMN_1239432	NM_033609.2	MED15	-0.362771911
ILMN_2940399	NM_026113.2	2410016F19RIK	-0.362811666
ILMN_2579086		SLC35A3	-0.362858762
ILMN_1247302	NM_026543.2	3010026O09RIK	-0.362990825
ILMN_2590771	NM_175352.4	UNC119B	-0.363483236
ILMN_2752362	NM_053070.1	CAR7	-0.363671592
ILMN_1237565	XR_032288.1	EG626367	-0.363820875
ILMN_2937548	NM_175657.1	HIST1H4M	-0.364016722
ILMN_2906948	NM_175258.3	RAPGEF6	-0.364046034
ILMN_2586024		NUP98	-0.364060219
ILMN_2581419		E330031M19RIK	-0.364337521
ILMN_1231885	NM_181589.2	CKAP2L	-0.364429667
ILMN_2957862	NM_153570.2	NOC4L	-0.364460909
ILMN_2531903	XM_001476882.1	EG232875	-0.364518054
ILMN_2740464	NM_008364.1	IL1RAP	-0.364866785
ILMN_2719001	NM_028042.3	ERCC8	-0.364968005
ILMN_1251488	XM_922989.2	A430041B07RIK	-0.365133342
ILMN_3128351	NM_022318.2	POPDC2	-0.365194835
ILMN_2688740	NM_172699.2	FOXJ3	-0.365276184
ILMN_1226447	NM_013659.3	SEMA4B	-0.365291445
ILMN_1221620	NM_010553.2	IL18RAP	-0.36531953
ILMN_1219173	NM_021315.1	NOC3L	-0.365535636
ILMN_2620053	NM_028717.3	ALS2	-0.365652089
ILMN_1230028		B130017N24RIK	-0.365901013
ILMN_2769521	XM_357441.1	PTAFR	-0.366523242
ILMN_2618590	NM_198861.1	BC046404	-0.366655422
ILMN_1227925	NM_016890.3	DCTN3	-0.366819437
ILMN_2769131		PPP2R4	-0.366844065
ILMN_2454692	NM_145500.3	UBTD1	-0.367334141
ILMN_1247036	NM_009441.2	TTC3	-0.367383846
ILMN_2591782	XM_001480281.1	LOC100048313	-0.367473119
ILMN_3103784	NM_025854.1	1700023B02RIK	-0.367732174
ILMN_2717150		D6ERTD349E	-0.367793616
ILMN_2846776	NM_007669.2	CDKN1A	-0.367908052
ILMN_2611532	NM_026071.2	SLC25A19	-0.367933161
ILMN_2730516	NM_020586.1	HERPUD2	-0.368152449
ILMN_2768805	NM_178654.3	PKN2	-0.36821281
ILMN_2715042	NM_011520.3	SDC3	-0.368539829

ILMN_2544868		2610312E17RIK	-0.368553935
ILMN_1225133	NM_025533.2	NOSIP	-0.368646379
ILMN_1249751		MSH2	-0.368700864
ILMN_2728516	XM_355872.1	PSMC4	-0.368721891
ILMN_1245519	NM_028905.2	4932438H23RIK	-0.368766618
ILMN_1243662	NM_145538.2	TMEM189	-0.368867353
ILMN_1214806	XM_001475233.1	4932438A13RIK	-0.368921804
ILMN_2830979	NM_144872.1	EML3	-0.368968898
ILMN_1214307	NM_001033158.1	RASL12	-0.369005431
ILMN_1249559		5730494J16RIK	-0.369025658
ILMN_2844784	NM_022997.2	VPS35	-0.369098919
ILMN_1217812	NM_001033039.2	KLHDC9	-0.369343575
ILMN_2982958	NM_019748.1	SAE1	-0.3696372
ILMN_2681604	NM_001038998.1	CCDC23	-0.369714094
ILMN_1238919	NM_007879.1	DRG1	-0.369805308
ILMN_2707996	NM_133353.3	OOSP1	-0.369930308
ILMN_2986549	NM_008119.2	GIP	-0.369943335
ILMN_2982250	NM_018736.2	MRE11A	-0.370359559
ILMN_2847038	NM_054082.1	MTA3	-0.370582375
ILMN_2756618	NM_025507.2	SNW1	-0.370614738
ILMN_2416488	NM_176972.3	USP37	-0.370978878
ILMN_2772710		MS4A6C	-0.371090745
ILMN_2480021	NM_026676.2	0610007P22RIK	-0.371289562
ILMN_2688569	NM_010945.1	NSMAF	-0.371330267
ILMN_1216561		CAMK2D	-0.371419729
ILMN_1260152		9430046I01RIK	-0.37166849
ILMN_1241845	NM_025616.3	TIMM50	-0.371678185
ILMN_1228411		A630055I06RIK	-0.371812248
ILMN_2426480		3830612M24	-0.372057177
ILMN_2626294	NM_013626.1	PAM	-0.372112642
ILMN_2452383	NM_009479.2	UROS	-0.37212695
ILMN_3145415	NM_177253.1	CSTF3	-0.372172365
ILMN_2797239	NM_019415.1	SLC12A3	-0.372189384
ILMN_1230912	NM_027642.1	PHF6	-0.372723926
ILMN_1230215		6720406L13RIK	-0.3729571
ILMN_2686393	NM_010302.2	GNA12	-0.372977404
ILMN_2789077	NM_010578.1	ITGB1	-0.373012397
ILMN_2687602	NM_011138.1	POU2F2	-0.373053166
ILMN_1218413	NM_013923.2	RNF19A	-0.373076598
ILMN_2591749	NM_009278.3	SSB	-0.373116314
ILMN_2913716	NM_207105.1	H2-AB1	-0.373188331
ILMN_2661950	XM_918384.3	GIN51	-0.373297229
ILMN_2435814	NM_053168.1	TRIM11	-0.373619141
ILMN_2575986		A730085F06RIK	-0.373661216
ILMN_2718090	NM_020329.3	DOLPP1	-0.373888074
ILMN_2568397		A530025E09RIK	-0.374320011

ILMN_3059059	NM_023120.4	GNB1L	-0.374335392
ILMN_3022911	NM_001012434.2	KCTD14	-0.374504744
ILMN_2553280		4732470M22RIK	-0.374543184
ILMN_2971577	NM_153572.1	KATNAL1	-0.374550255
ILMN_1241880		C230055K21RIK	-0.374590549
ILMN_1255921	NM_023479.1	ELAC2	-0.374802146
ILMN_2480136	NM_153538.1	ZCCHC6	-0.374941069
ILMN_2420070	NM_134024.2	TUBG1	-0.375033033
ILMN_2703354	NM_019785.1	ACTR10	-0.375110428
ILMN_1244139	XM_357835.1	LOC384742	-0.375205646
ILMN_2739340	NM_175364.3	LYRM2	-0.375405533
ILMN_1242777	NM_001001184.1	CCDC111	-0.375530509
ILMN_2764580	NM_022321.3	PARVG	-0.375635293
ILMN_2740445	NM_016710.2	NSBP1	-0.375734965
ILMN_1214761		MAPK8	-0.37597372
ILMN_1239185	NM_026129.2	ERP29	-0.376171906
ILMN_1219667	NM_011070.3	PFDN2	-0.37617879
ILMN_1244492		ZFP472	-0.376180282
ILMN_1248892	NM_145599.3	TMEM184C	-0.376367156
ILMN_1217683	NM_011395.2	SLC22A3	-0.376545154
ILMN_2743756	NM_001004436.3	WAPAL	-0.376562366
ILMN_2636525	NM_008418.1	KCNA3	-0.3765995
ILMN_1223695	NM_029086.2	5830415F09RIK	-0.37677203
ILMN_3071068	NM_001010973.2	HRH2	-0.376841938
ILMN_1241320	NM_175554.3	CLSPN	-0.376852543
ILMN_1219994	NM_007723.2	CNGA1	-0.377239363
ILMN_1241924	NM_022992.2	ARL6IP5	-0.377396173
ILMN_1244674	NM_001081256.1	JMJD1B	-0.37754286
ILMN_2435996		0610007P22RIK	-0.377673648
ILMN_3048899	NM_008812.1	PADI2	-0.377709653
ILMN_1213786	NM_001081323.1	MPHOSPH9	-0.377753053
ILMN_2725134	NM_172825.1	GPR128	-0.377792308
ILMN_1218446	XM_358222.1	LOC385392	-0.377953528
ILMN_3031706	NM_024262.1	1200011M11RIK	-0.378035973
ILMN_2534170	NM_001009927.1	SMCR7	-0.378078826
ILMN_1241657	NM_028082.1	CNOT2	-0.37812502
ILMN_2454788	NM_016757.2	WBP1	-0.378229117
ILMN_1235497		HMG20A	-0.378565788
ILMN_2931095	NM_010515.1	IGF2R	-0.378758129
ILMN_2894450	NM_026912.1	SNX15	-0.378939003
ILMN_1257003	NM_178914.3	SPATA7	-0.378987112
ILMN_2667971	NM_198683.1	CUGBP1	-0.379000869
ILMN_1236624	XM_912043.2	EG665369	-0.379001533
ILMN_1213981	NM_010774.1	MBD4	-0.379265843
ILMN_1250358	NM_133240.1	ACOT8	-0.379276202
ILMN_1236507		5830496L11RIK	-0.379323555

ILMN_2728729	NM_011521.2	SDC4	-0.37937298
ILMN_1257788	NM_175287.3	A430005L14RIK	-0.379399909
ILMN_2529851	XM_354943.1	LOC381034	-0.379490104
ILMN_2632008	NM_175489.3	OSBPL8	-0.379822932
ILMN_1254869		A130082N24RIK	-0.379844808
ILMN_2621385	NM_007415.2	PARP1	-0.379973763
ILMN_2674979	NM_139149.1	FUS	-0.380050224
ILMN_1228298	NM_212433.1	FBXO3	-0.380696087
ILMN_2473562	NM_022964.3	LAT2	-0.380862961
ILMN_1232237	NM_134141.4	CIAPIN1	-0.380894079
ILMN_2428931		4631426J05RIK	-0.380945297
ILMN_2698757	NM_178726.3	PPM1L	-0.381066891
ILMN_1224945		E130113K22RIK	-0.381122702
ILMN_2868188	NM_009462.1	USP10	-0.381179968
ILMN_1248132		STMN1	-0.381269033
ILMN_2606331	XR_035125.1	AI504432	-0.381311437
ILMN_1258357	NM_013739.2	DOK3	-0.381369862
ILMN_2826161	NM_025579.1	TAF12	-0.382001239
ILMN_1244516	NM_011242.2	RASGRP2	-0.382084739
ILMN_2550439		2810453H10RIK	-0.382315288
ILMN_2570121		E130318A13RIK	-0.382406045
ILMN_1255013	NM_010561.1	ILF3	-0.382408205
ILMN_2776025	NM_008019.2	FKBP1A	-0.38261451
ILMN_1213376	NM_007687.2	CFL1	-0.383326797
ILMN_2672091	NM_010414.1	HTT	-0.383619371
ILMN_2774007		BUB1B	-0.383693992
ILMN_1224380	NM_019650.2	GOSR2	-0.383713985
ILMN_1232512		SCL0004023.1_57	-0.383797545
ILMN_2578216		6430402F21RIK	-0.383802702
ILMN_1256434	NM_025662.4	PIGK	-0.383965524
ILMN_2940802	NM_024242.2	RIOK1	-0.383992262
ILMN_2929621	NM_001081422.1	A230054D04RIK	-0.383998643
ILMN_1255581	XR_001819.2	LOC630936	-0.384079605
ILMN_2731057	NM_011190.3	PSME2	-0.384448296
ILMN_2591217	NM_025936.1	RARS	-0.384662914
ILMN_2992653	NM_013600.1	MSH5	-0.384710019
ILMN_1235390	NM_018782.1	CALCRL	-0.384809496
ILMN_2633530	NM_007649.4	CD48	-0.384875689
ILMN_2664040	NM_020559.1	ALAS1	-0.384878599
ILMN_2620122	NM_011026.2	P2RX4	-0.384945417
ILMN_1246770		YBX3	-0.385038491
ILMN_2638066	NM_016886.2	GRIA3	-0.385081956
ILMN_1236821	NM_029645.3	GATC	-0.38516595
ILMN_2565096		B130008O17RIK	-0.38524569
ILMN_2699645	NM_194054.2	RTN4	-0.385281267
ILMN_1223051	NM_024205.1	1200003C05RIK	-0.385295094

ILMN_2704165	NM_153064.4	NDUFS2	-0.385331982
ILMN_1236037	XR_033591.1	LOC627317	-0.38545514
ILMN_1230345	XM_150222.1	B830007D08RIK	-0.385535916
ILMN_1225182	NM_013538.4	CDCA3	-0.385665761
ILMN_2676066	NM_139308.1	STARD7	-0.386199764
ILMN_2754787	NM_025822.3	RSRC1	-0.386273714
ILMN_2515695		A230074L19RIK	-0.386397181
ILMN_3053203	NM_173015.2	MON1B	-0.386397643
ILMN_1241345	NM_001081135.1	PRRG3	-0.387033964
ILMN_1232152	XM_355157.1	LOC381219	-0.387037725
ILMN_2614380	NM_011945.2	MAP3K1	-0.387367466
ILMN_1229687	NM_025999.2	RNF141	-0.387377767
ILMN_1220943	NM_028334.3	NUP37	-0.387629189
ILMN_2430502	BC068122.1	SCL000179.1_19	-0.387750581
ILMN_2607160	NM_030723.1	PUM2	-0.387754234
ILMN_2688721		5830468K18RIK	-0.388136421
ILMN_1218559	XM_485050.5	LOC433464	-0.388255672
ILMN_1249638	NM_009030.3	RBBP4	-0.388280386
ILMN_2461871	XM_356680.1	SCL0003651.1_17	-0.388280653
ILMN_2900962	NM_010267.2	GDAP1	-0.388337969
ILMN_2704927	NM_198626.1	AI480653	-0.388375962
ILMN_1258982		SRR	-0.38838007
ILMN_1214416	NM_009281.3	ZFP143	-0.388438757
ILMN_2563884		5730478M09RIK	-0.388496479
ILMN_2832884	NM_172291.1	FOXRED1	-0.388522726
ILMN_2835053	NM_001009951.1	BC088983	-0.388583314
ILMN_2685770	NM_033509.3	VANGL2	-0.388664238
ILMN_2514502		1700085B03RIK	-0.388898267
ILMN_3049455	NM_008044.1	FXN	-0.388952237
ILMN_2619249	NM_172926.2	SNX14	-0.388990201
ILMN_1222402	XM_358347.1	PLA2G4B	-0.389269311
ILMN_2596369	NM_007725.2	CNN2	-0.389702261
ILMN_2547840		2200005K02RIK	-0.389826674
ILMN_1224584	XM_001479405.1	LOC100047904	-0.389888963
ILMN_2881610	NM_001013405.1	D9ERTD402E	-0.389895424
ILMN_2687881	NM_008999.3	RAB23	-0.389915648
ILMN_2642985	NM_053262.3	HSD17B11	-0.389980247
ILMN_1238733	NM_152817.3	TTC27	-0.390000204
ILMN_2697069	NM_020567.1	GMNN	-0.39082992
ILMN_2424690	NM_020022.2	RFC2	-0.391113772
ILMN_2742703	NM_013516.1	MS4A2	-0.39120225
ILMN_1251669	NM_010161.3	EVI2A	-0.391286411
ILMN_2709935	NM_019796.4	SYNCRIP	-0.391355147
ILMN_2538574	XM_359198.1	LOC386389	-0.39158593
ILMN_1258125	NM_019773.1	RAB9	-0.391607029
ILMN_2715730		SPN	-0.391774232

ILMN_1250338	NM_001015681.1	E130308A19RIK	-0.391884355
ILMN_1241536	XM_355612.1	LOC381649	-0.392276521
ILMN_2819530	NM_028003.1	D15ERTD682E	-0.392308027
ILMN_2547942	NM_178856.1	GIN52	-0.392406105
ILMN_2508519	NM_011690.2	VARS	-0.392541435
ILMN_2553577		RSDR1-PENDING	-0.392687887
ILMN_2741693	NM_198423.1	BC060615	-0.392756792
ILMN_2627006	XM_001002157.2	AKAP11	-0.392770686
ILMN_2857095	NM_176943.2	9630028B13RIK	-0.392890296
ILMN_1252819	NM_145404.1	PRMT7	-0.393028665
ILMN_1260604	NM_146051.2	3830406C13RIK	-0.393221531
ILMN_2650392	NM_133925.1	RBM28	-0.393414592
ILMN_2719973	NM_016697.2	GPC3	-0.393562379
ILMN_3156343	NM_011710.2	WARS	-0.393672872
ILMN_2566321		9930108O06RIK	-0.393933972
ILMN_2661168	NM_175308.4	MOBKL2C	-0.393954855
ILMN_2753515	NM_001033136.2	1200015F23RIK	-0.393998634
ILMN_1236868		IDB2	-0.394065032
ILMN_1258421	NM_145955.3	1110007A13RIK	-0.394221816
ILMN_2981550	NM_007600.2	CAPN1	-0.39470263
ILMN_2760263	NM_026389.3	POLDIP2	-0.394726912
ILMN_2550382		2410152H17RIK	-0.395083977
ILMN_1260410	NM_018828.2	FNBP4	-0.395087955
ILMN_2746328	NM_030560.3	BC003993	-0.395088298
ILMN_2480178	NM_019573.2	WVOX	-0.395437843
ILMN_1243564	NM_133942.2	PLEKHA1	-0.395461233
ILMN_2488405	XM_001474212.1	1110029I05RIK	-0.395684795
ILMN_2673926	NM_025950.2	CDC37L1	-0.395852912
ILMN_2638923	NR_003278.1	RN18S	-0.395880606
ILMN_2704873	NM_175660.2	HIST1H2AB	-0.396016992
ILMN_2760226	NM_172148.1	B9D2	-0.396034849
ILMN_1244840		4833435K08RIK	-0.396351909
ILMN_2481771	NM_009803.4	NR1I3	-0.396528362
ILMN_2560379		CD84	-0.396538153
ILMN_3066763	NM_007487.3	ARL4A	-0.396553159
ILMN_1232592	NM_009541.1	ZBTB17	-0.396597962
ILMN_1214448	NM_001039720.1	9030619P08RIK	-0.396692443
ILMN_1234585	NM_001007581.1	2810408M09RIK	-0.39691284
ILMN_1256538	XM_620647.3	GM1815	-0.396917357
ILMN_2922334	NM_172442.2	DTX4	-0.397099899
ILMN_1230916	XR_033167.1	LOC433955	-0.397258429
ILMN_3153893	NM_053009.2	ZFP91	-0.397314934
ILMN_2928875	NM_024173.1	ATP6V1G1	-0.397326636
ILMN_2660729	XM_129375.9	CAMSAP1	-0.397341139
ILMN_1245957		GM169	-0.397773236
ILMN_1221304	NM_178923.3	SFRS15	-0.397778179

ILMN_1216110	NM_029529.3	SLC35D3	-0.397795085
ILMN_1228696	NM_007398.3	ADA	-0.397973051
ILMN_2752044	NM_026446.3	RGS19	-0.398520828
ILMN_2907351	NM_009484.2	UTY	-0.398541742
ILMN_2646380		GABPB1	-0.3986063
ILMN_2637804	NM_199019.1	4933407P14RIK	-0.398920417
ILMN_2756438	NM_027898.2	D7BWG0611E	-0.399135731
ILMN_2592810	NM_011947.3	MAP3K3	-0.399254988
ILMN_2505047		POGK	-0.39935769
ILMN_1227384		CCNL	-0.399376451
ILMN_3060168	NM_134126.2	IFT140	-0.399746769
ILMN_2975892	NM_010062.3	DNASE2A	-0.399774122
ILMN_2797642	NM_144818.1	NCAPH	-0.399878047
ILMN_1215305	NM_020005.3	KAT2B	-0.399979116
ILMN_1241363		ANXA6	-0.400078216
ILMN_2635377	NM_080562.4	UBOX5	-0.40023845
ILMN_1226555		5430417L22RIK	-0.400299982
ILMN_2657478	NM_007651.2	CD53	-0.400303959
ILMN_2511971	NM_001001735.1	WHSC1L1	-0.400398113
ILMN_1224778	NM_027139.4	TAF9	-0.400430102
ILMN_2688427	NM_144922.1	HNRPUL1	-0.400673433
ILMN_1248425	NM_194335.2	NAIF1	-0.401209955
ILMN_2824167	NM_012029.1	ECSIT	-0.401450945
ILMN_1257485	NM_026312.2	2610029G23RIK	-0.401559108
ILMN_1230620	XM_001473500.1	LOC100039786	-0.401810772
ILMN_3122864	NM_019816.1	AATF	-0.401814138
ILMN_2698699	NM_025648.2	FARSA	-0.401894327
ILMN_2607557	XM_358331.1	9130218E19RIK	-0.402130276
ILMN_2560567		A630006E02RIK	-0.402472633
ILMN_3163124	NM_029736.1	SLC10A7	-0.402831934
ILMN_2617384	NM_008028.1	FLOT2	-0.4028656
ILMN_2698652	NM_144918.2	SMYD5	-0.403068745
ILMN_2665788	NM_010612.2	KDR	-0.403080942
ILMN_1232600	NM_026301.2	RNF125	-0.40336434
ILMN_1241831	NM_133193.3	IL1RL2	-0.40340777
ILMN_1230460		B430110C06RIK	-0.403479744
ILMN_2940785	NM_178719.3	SMCR7L	-0.403690524
ILMN_1245302	NM_001081080.1	PHF3	-0.403948041
ILMN_1239814		2610016D08RIK	-0.404258235
ILMN_1217809	XM_356568.1	LOC382557	-0.404319135
ILMN_1246713	NM_134060.3	SLC35B3	-0.405051283
ILMN_2751207	NM_008054.1	FYN	-0.405260298
ILMN_1217919	NM_138598.5	D11WSU99E	-0.40547873
ILMN_2925169	NM_013548.2	HIST1H3F	-0.405504319
ILMN_3111421	NM_001025947.1	DNM1L	-0.405566238
ILMN_2639239	NM_011340.3	SERPINF1	-0.405584242

ILMN_2919433	NM_009862.1	CDC45L	-0.405703949
ILMN_1218131	NM_183028.3	PCMTD1	-0.405782528
ILMN_1260582	XM_203701.3	LOC280487	-0.405803404
ILMN_2802103	NM_001081975.1	MFAP1B	-0.405819733
ILMN_2870696	NM_010424.2	HFE	-0.405861439
ILMN_1231734	NM_008739.3	NSD1	-0.406251611
ILMN_2919259	NM_009128.1	SCD2	-0.406328419
ILMN_1244721	NM_173028.3	VPS13A	-0.406709274
ILMN_1212649	NM_027375.2	GCC2	-0.406903974
ILMN_2872537	NM_170591.1	NUPL1	-0.407066731
ILMN_2924969	NR_002928.1	GM1943	-0.407129114
ILMN_2424912	NM_009497.3	VAMP2	-0.407238548
ILMN_1256564	NM_009647.4	AK3L1	-0.407387984
ILMN_2826881	NM_008652.2	MYBL2	-0.407465493
ILMN_2767322	NM_183028.1	A030012M09RIK	-0.407583559
ILMN_1238517	NM_027295.2	RAB28	-0.407653167
ILMN_2805945	NM_030685.1	D3UCLA1	-0.407680459
ILMN_2693940	NM_010724.1	PSMB8	-0.407749964
ILMN_2768831	NM_009172.1	SIAH1A	-0.408063914
ILMN_2641514		TAF12	-0.408122032
ILMN_1243249		2810410A03RIK	-0.408176171
ILMN_2763294		ENSA	-0.408303559
ILMN_1258685	XM_193257.2	LOC269213	-0.408524269
ILMN_1223300	XM_980152.1	BC016423	-0.408640887
ILMN_2734234	NM_146096.3	FAM108B	-0.408699565
ILMN_2506489		NAV1	-0.408776405
ILMN_2544368		2610042F04RIK	-0.408806527
ILMN_2420434		5530401J07RIK	-0.409110883
ILMN_1238423	NM_001039474.1	TCERG1	-0.409365453
ILMN_2646322	NM_023380.2	SAMSN1	-0.409412847
ILMN_2546272		GNG12	-0.409462248
ILMN_2541675	XM_356225.1	LOC382128	-0.409478578
ILMN_3116570	NM_024221.3	PDHB	-0.409478897
ILMN_1246270	NM_178856.1	GINS2	-0.409534149
ILMN_3160529	NM_001033194.2	GTF3C3	-0.409979154
ILMN_1237639		D030070I18RIK	-0.410001765
ILMN_1242724	NM_025950.2	CDC37L1	-0.410274595
ILMN_1236393		LY78	-0.410337395
ILMN_2751492	NM_145583.2	FRAG1	-0.410478976
ILMN_3162536	NM_001037937.2	DEPDC6	-0.410573318
ILMN_2551266		0610009D07RIK	-0.410882855
ILMN_3045152	NM_133716.2	SMAP2	-0.411029113
ILMN_2696609	NM_030054.2	MSCP	-0.411144346
ILMN_3075113	NM_028304.2	PUS10	-0.411357558
ILMN_1251930	NM_016777.3	NASP	-0.411624357
ILMN_2526599	XM_129521.2	LOC226486	-0.41165145

ILMN_2693387	NM_029468.1	ZFP821	-0.412011951
ILMN_2648224		TILZ3C	-0.41221742
ILMN_1257876	NM_175383.2	B3GNT1	-0.412317556
ILMN_2547078	NM_026083.2	ZC3H13	-0.41243131
ILMN_2610861	NM_009680.2	AP3B1	-0.412654877
ILMN_2617505	NM_026849.1	MTMR14	-0.412940291
ILMN_2730074	NM_001004721.1	PIGU	-0.413030585
ILMN_1226683		PSMB8	-0.413074068
ILMN_2804523	NM_153459.2	DUSP7	-0.413255457
ILMN_1221953	NM_027658.1	HEXIM2	-0.413640727
ILMN_1250821	XM_357995.1	LOC385019	-0.413700131
ILMN_2539352	XM_357614.1	LOC384384	-0.413928084
ILMN_1240429	NM_183106.2	TTC17	-0.414513
ILMN_2544343	NM_138672.2	STAB1	-0.414523443
ILMN_2705628	NM_010819.3	CLEC4D	-0.414524174
ILMN_1219647	NM_001081109.1	LMTK2	-0.414908313
ILMN_3149218	NM_029862.1	5930434B04RIK	-0.415306753
ILMN_1237918	XM_359079.1	LOC386123	-0.415694339
ILMN_1231952	XM_001472383.1	LOC100044101	-0.415960523
ILMN_2641269	NM_172379.1	AA536717	-0.416267912
ILMN_2745354	NM_009677.4	AP1G1	-0.416272545
ILMN_2720506	XM_355123.1	5530401A10RIK	-0.416400096
ILMN_1250260	NM_008349.4	IL10RB	-0.416450147
ILMN_3067068	NM_025284.3	TMSB10	-0.416491297
ILMN_2673233	NM_019703.3	PFKP	-0.41654867
ILMN_2630521	NM_030609.1	HIST1H1A	-0.416744717
ILMN_2608666	XM_976438.2	IQWD1	-0.416834631
ILMN_3021465	NM_001077707.1	SHPRH	-0.417092332
ILMN_2734391	NM_016894.2	RAMP1	-0.417367255
ILMN_2497455		D430007A19RIK	-0.417412552
ILMN_1248432	XM_973899.1	NEK1	-0.417478129
ILMN_2543507	XM_985039.1	1190007I07RIK	-0.417943476
ILMN_2716838	NM_008300.3	HSPA4	-0.418130514
ILMN_2435521	NM_026137.3	WDR13	-0.418468307
ILMN_1219118	NM_173015.2	MON1B	-0.418571835
ILMN_1217337	NM_134041.2	4930427A07RIK	-0.418804367
ILMN_1221827		2810405J23RIK	-0.41895314
ILMN_1251303	XM_981952.1	CEP110	-0.419154588
ILMN_2763825	NM_027184.1	IPMK	-0.419259303
ILMN_2867901	NM_023223.1	CDC20	-0.419347934
ILMN_1221750	NM_008506.2	MYCL1	-0.419473205
ILMN_2654276	XM_001479474.1	R3HCC1	-0.420028115
ILMN_2554448	XM_974354.1	LOC674308	-0.420095113
ILMN_3040759	NM_001081264.1	ALG6	-0.42010153
ILMN_2593038	NM_011306.3	RXRB	-0.420351511
ILMN_3131522	NM_020593.2	FBXO3	-0.42053277

ILMN_1256335	NM_144850.1	RAPGEF3	-0.420601698
ILMN_2752867	NM_025292.2	SYNJ2BP	-0.420860572
ILMN_1224368	NM_008323.1	IDH3G	-0.42099683
ILMN_3065164	NM_009749.1	BEX2	-0.421133937
ILMN_1225380	XM_001473299.1	LOC100043982	-0.421499073
ILMN_1256142	NM_008538.2	MARCKS	-0.421514374
ILMN_1244634	NM_028065.2	CNPY3	-0.421515519
ILMN_2968032	NM_027236.1	2010003J03RIK	-0.421566656
ILMN_2676074	XM_001479341.1	LOC100047905	-0.421585548
ILMN_2554549		GSTT2	-0.421709772
ILMN_1252263		UQCRB	-0.421872709
ILMN_2724545	NM_145587.1	SBK	-0.422121892
ILMN_1238509	NM_178017.1	HMGB2L1	-0.422161916
ILMN_2879221	NM_030731.1	TRIM23	-0.423094921
ILMN_1257704		6030458P06RIK	-0.423281236
ILMN_1242011	NM_173776.2	5930431H10	-0.423998053
ILMN_1235370		ARNT	-0.424422399
ILMN_1220514	XM_358357.1	9030416H16RIK	-0.424682734
ILMN_3004949	NM_172921.2	D930028F11RIK	-0.424919451
ILMN_1254446		4833426H15RIK	-0.425650626
ILMN_2595822	NM_011932.2	DAPP1	-0.425791585
ILMN_2716069	XM_001480154.1	2310040G24RIK	-0.425853081
ILMN_2510694	NM_138314.2	NME7	-0.425895388
ILMN_1222123	NM_001025438.1	CAMK2D	-0.426261749
ILMN_2856861	NR_001572.1	NUDC-PS1	-0.426691428
ILMN_2732757	XM_126365.3	9830002I17RIK	-0.426789888
ILMN_2705578	NM_172468.2	SNX30	-0.427068842
ILMN_1224092	NM_007425.2	AGER	-0.427250492
ILMN_2630641	NM_009272.4	SRM	-0.427501095
ILMN_1255436		TOP2A	-0.427534265
ILMN_2698519	NM_178206.2	HIST1H3H	-0.427655162
ILMN_2647372	NM_172652.3	4632411B12RIK	-0.427812358
ILMN_2634083	NM_007669.3	CDKN1A	-0.427832016
ILMN_2621338	NM_007764.4	CRKL	-0.42789245
ILMN_2684205	XR_002338.2	4930431B09RIK	-0.428030582
ILMN_3143557	NM_134052.2	ADI1	-0.428221113
ILMN_2749937	NM_019825.1	NCOA6	-0.428579168
ILMN_2473953		2810017I02RIK	-0.428731163
ILMN_1222000	NM_026942.2	STOML1	-0.42883306
ILMN_2579432		D430004H20RIK	-0.429109536
ILMN_2432110	XM_001476916.1	LOC100046855	-0.429155551
ILMN_1245979	XM_355907.1	LOC381891	-0.429434534
ILMN_1216122	NM_198831.2	MRPL48	-0.429438615
ILMN_2784272	NM_008338.2	IFNGR2	-0.429577695
ILMN_2933151	NM_001033172.1	RAB11FIP2	-0.429766274
ILMN_2581617		4930507H06RIK	-0.429884412

ILMN_2704951	XM_140308.6	DCP2	-0.429945856
ILMN_2747820	NM_025522.3	DHRS7	-0.430106581
ILMN_3162682	NM_001039373.3	MTCP1	-0.430413026
ILMN_2755337	XM_196763.2	PRSSL1	-0.43069624
ILMN_2628822	NM_011852.2	OAS1G	-0.430748
ILMN_1250529	NM_133246.4	MS4A3	-0.431247161
ILMN_1248415	NM_009443.3	TGOLN1	-0.431359645
ILMN_2760835	NM_053196.3	SFXN2	-0.431524534
ILMN_1225125		RSDR1-PENDING	-0.431715466
ILMN_3096750	NM_001039088.1	SEH1L	-0.431745642
ILMN_2860616	NM_178206.2	HIST1H3H	-0.431973387
ILMN_1238573	XM_204410.2	LOC278188	-0.431998048
ILMN_2944784	NM_153065.2	DDX27	-0.432125748
ILMN_1214450	NM_001081054.2	QRSL1	-0.432147477
ILMN_1244866	NM_153564.2	GBP5	-0.432181185
ILMN_1229908		GS2NA-PENDING	-0.432241931
ILMN_1230545		MOBK1B	-0.432667427
ILMN_3161679	NM_009250.1	SERPIN1	-0.433023372
ILMN_2604894	NM_133741.1	SNRK	-0.433162014
ILMN_1232960	XM_196313.1	LOC269515	-0.433217765
ILMN_2691536		SNX19	-0.433358649
ILMN_2617820	NM_008915.2	PPP3CC	-0.43356047
ILMN_2741746	NM_194355.2	SPIRE1	-0.433799875
ILMN_2848828	NM_028815.3	CEP97	-0.433963691
ILMN_2673314	NM_001081164.1	OTUD4	-0.434310798
ILMN_1259499		B130065G19RIK	-0.434545449
ILMN_2949605	NM_026861.2	UBAC2	-0.434706789
ILMN_1223812	NM_026665.2	CEP57	-0.434775251
ILMN_2642886	NM_178709.4	RNF214	-0.43480875
ILMN_1224229	NM_001033400.2	GM806	-0.43495255
ILMN_1234265	NM_153587.2	RPS6KA5	-0.43560085
ILMN_1260459	NM_145626.3	2610208M17RIK	-0.436100915
ILMN_1216085		B230387C07RIK	-0.436217748
ILMN_2737171	NM_018737.4	CTPS2	-0.436362003
ILMN_2727921	NM_009775.3	TSPO	-0.43643075
ILMN_2682947	NM_134101.1	PSMD2	-0.436595298
ILMN_1215223		A830081I21RIK	-0.436615789
ILMN_2531225	NM_207530.2	OSBPL1A	-0.436667648
ILMN_2589266	NM_026422.1	MRRF	-0.436671694
ILMN_2451769	NM_013910.2	FBXL10	-0.436767929
ILMN_2540983	XM_356036.1	LOC381986	-0.436843223
ILMN_1221106		E030022B18RIK	-0.436848761
ILMN_1219759	NM_009210.2	HLTF	-0.436909834
ILMN_2535513	XM_357150.1	LOC383607	-0.436996834
ILMN_2673776	NM_177733.2	E2F2	-0.437077238
ILMN_1227627	NM_025999.1	RNF141	-0.43708303

ILMN_1226382	XM_355349.1	LOC381386	-0.437433981
ILMN_2840091	NM_011673.2	UGCG	-0.437549171
ILMN_1232165	XM_138691.2	MGC60742	-0.437613777
ILMN_1250687	XM_891654.3	EG627022	-0.43835681
ILMN_2725232	NM_016746.2	CCNC	-0.439107469
ILMN_2677393	NM_177407.3	CAMK2A	-0.439479076
ILMN_2635024	NM_170591.1	NUPL1	-0.439599496
ILMN_1242842	NM_012015.1	H2AFY	-0.439938661
ILMN_1215352	NM_028481.1	CCDC18	-0.440019802
ILMN_2553323		4732471N16RIK	-0.440650981
ILMN_2487554		A330042I21RIK	-0.440729804
ILMN_1246371	NM_029389.2	3110001K24RIK	-0.441010752
ILMN_2454172		E430013K19RIK	-0.441047172
ILMN_2538152	XM_359067.1	LOC386094	-0.441097404
ILMN_2675078	NM_020012.1	RNF14	-0.44126288
ILMN_1227460		2700089E24RIK	-0.441266842
ILMN_2637113	NM_177909.2	SLC9A9	-0.441313339
ILMN_1249486	NM_010796.2	MGL1	-0.441366527
ILMN_2728997	XM_001478311.1	LOC100047028	-0.441389112
ILMN_2482572	NM_134080.1	FLNB	-0.441786806
ILMN_2784821	NM_025279.1	HNRPK	-0.442141022
ILMN_2648047	XM_357858.1	2010309E21RIK	-0.442945035
ILMN_2597255	NM_011799.2	CDC6	-0.443156281
ILMN_2554301		SLC2A9	-0.443506485
ILMN_2712635	NM_008667.2	NAB1	-0.444207462
ILMN_2766338	NM_172517.1	RBBP5	-0.444329214
ILMN_2763867	NM_024454.1	RAB21	-0.444347087
ILMN_2621649	XM_921012.3	GPR160	-0.444462067
ILMN_2600720	NM_029609.1	2310007H09RIK	-0.444528384
ILMN_3007271	NM_178891.4	PRMT6	-0.444697752
ILMN_1215898	NM_172746.2	HIRIP3	-0.444802898
ILMN_2535582	XM_356635.1	LOC382707	-0.444966007
ILMN_2879382	NM_138596.1	MED10	-0.444983725
ILMN_2688225	NM_007406.1	ADCY7	-0.444998071
ILMN_2613389	NM_026344.3	DPH2	-0.44524495
ILMN_2526042	XM_126827.4	LOC217372	-0.445274665
ILMN_2666864	NM_007504.2	ATP2A1	-0.445462242
ILMN_2635813	NM_026497.2	NUDT12	-0.445778735
ILMN_3163148	NM_001039106.2	DDHD1	-0.445914162
ILMN_1246011	XM_978614.1	WDR70	-0.446010641
ILMN_3107974	NM_007970.1	EZH1	-0.446344512
ILMN_1236741	NM_001015876.1	TYW1	-0.446346364
ILMN_2652757	NM_134255.2	ELOVL5	-0.446635807
ILMN_2771380		CD52	-0.446900033
ILMN_1259789	NM_023507.3	0610007P08RIK	-0.446951736
ILMN_2946088	NM_019482.2	PANX1	-0.446991502

ILMN_1237963	NM_199035.1	ALG8	-0.447129561
ILMN_1225042	NM_025883.3	ZDHHC6	-0.447294535
ILMN_2620539	NM_175356.1	PI4KB	-0.447575139
ILMN_2870302	NM_145619.2	PARP3	-0.447684875
ILMN_2891245	NM_183163.2	RHBDL2	-0.447726801
ILMN_2628672	NM_026246.3	MRPL49	-0.447837505
ILMN_2926729	NM_019952.1	CLCF1	-0.447872113
ILMN_1255324	XM_982491.2	EG668831	-0.448367447
ILMN_2968731	NM_020282.2	NQO2	-0.448507718
ILMN_2617162	NM_010807.2	MLP	-0.448803487
ILMN_1249021	NM_009741.2	BCL2	-0.448939869
ILMN_2750789	NM_144826.3	UTP6	-0.449020664
ILMN_2839973	NM_178637.1	KAT5	-0.44912476
ILMN_1243846		NRF1	-0.449216207
ILMN_1213138	NM_025371.2	ACY1	-0.449294208
ILMN_2588417	NM_021555.1	BRP16	-0.449340341
ILMN_1243154	NM_153410.4	GPSM1	-0.449570541
ILMN_2610744	NM_010858.4	MYL4	-0.450039001
ILMN_2636685	NM_173189.2	MCPH1	-0.450168818
ILMN_2885016	NM_007712.1	CLK2	-0.450186067
ILMN_2421813	NM_172483.1	ZFP180	-0.450247608
ILMN_1259377		RAB11FIP4	-0.450498482
ILMN_1242286	NM_001081213.1	ERMP1	-0.450813804
ILMN_2542951	XM_129260.1	PANK	-0.450929228
ILMN_1222627	NM_001005426.1	ZCWPW1	-0.451130289
ILMN_2606295	NM_008102.3	GCH1	-0.451243599
ILMN_2548831		5830418G11RIK	-0.451325448
ILMN_2657844	NM_007659.3	CDC2A	-0.451844414
ILMN_1228320	NM_008823.3	CFP	-0.451847511
ILMN_1234257	NM_027901.2	GTF3C2	-0.451926469
ILMN_2668608	NM_016676.4	RAB10	-0.452047275
ILMN_3076864	NM_008541.2	SMAD5	-0.452109477
ILMN_2783519	NM_007381.2	ACADL	-0.452174187
ILMN_2994806	NM_177688.2	H2AFJ	-0.452294388
ILMN_2630909	NM_028274.2	EXOSC6	-0.45231079
ILMN_2632206	NM_022000.2	GNAS	-0.452366799
ILMN_2649801	NM_145353.1	YIPF3	-0.45247045
ILMN_2606436	NM_019670.1	DIAP3	-0.452574336
ILMN_1249029		9830166G06RIK	-0.452783489
ILMN_2456776	NM_001003908.1	CLTC	-0.452814024
ILMN_1223734	NM_009716.2	ATF4	-0.45291157
ILMN_1241371	NM_001038614.1	OLFM1	-0.453268093
ILMN_2768330	NM_007935.1	EPC1	-0.453350148
ILMN_3111744	NM_172950.2	LPIN1	-0.453396382
ILMN_2812244	NM_172630.1	MPPE1	-0.453467753
ILMN_2670313	XM_203572.3	0610010F05RIK	-0.453661007

ILMN_1252122	NM_001033422.1	THOC2	-0.453793687
ILMN_2888713	NM_009187.1	COX7A2L	-0.453970211
ILMN_2690976	NM_009870.2	CDK4	-0.454154276
ILMN_2657066	NM_029337.2	EP400	-0.454156287
ILMN_2678724	NM_022019.4	DUSP10	-0.454171749
ILMN_1244761		PGLS	-0.454612321
ILMN_2733524	NM_134122.2	NRM	-0.454628242
ILMN_1239173	XM_892769.2	EG628040	-0.454688935
ILMN_1260372	NM_013753.1	X99384	-0.454751339
ILMN_1220923		2700069A02RIK	-0.454838885
ILMN_2613303	NM_030147.2	BRD8	-0.454900861
ILMN_1236391	NM_146169.1	PAIP2B	-0.454916936
ILMN_2643832	NM_008014.3	PPM1G	-0.455234669
ILMN_2896582	NM_026998.2	SNX6	-0.455307584
ILMN_2547737	NM_172464.2	DAAM1	-0.455333356
ILMN_2507890	NM_153065.3	DDX27	-0.455531587
ILMN_1233726	NM_133244.2	PLEKHK1	-0.455565661
ILMN_3019002	NM_001080387.1	FUSIP1	-0.455930676
ILMN_2832979	NM_016697.2	GPC3	-0.455955578
ILMN_1228489		HMG20A	-0.456124089
ILMN_1212849		9630050A07RIK	-0.456124827
ILMN_2648648	NM_172149.4	BNIP1	-0.45618131
ILMN_1220084	NM_145851.2	CABLES2	-0.456316351
ILMN_2911102	NM_008444.2	KIF3B	-0.456554537
ILMN_1252089		NFATC3	-0.456682542
ILMN_1239446	NM_145223.2	ALMS1	-0.456685829
ILMN_2853658	NM_134058.1	PELO	-0.457070949
ILMN_2726030	NM_133237.1	AB023957	-0.457290181
ILMN_2704900	NM_001025296.1	DFFA	-0.457349571
ILMN_1251151		POLE	-0.457381206
ILMN_2997763	NM_010475.1	HSD17B1	-0.457495224
ILMN_2471045	NM_021322.1	WDR4	-0.458060578
ILMN_3111383	NM_001081150.1	LONRF1	-0.458390052
ILMN_2945472	NM_025371.1	ACY1	-0.458594232
ILMN_2664593	NM_020034.1	HIST1H1B	-0.458899209
ILMN_2682945	NM_134101.1	PSMD2	-0.458981587
ILMN_3064401	NM_027121.3	VKORC1L1	-0.459062654
ILMN_1246301	BC019166.1	SCL0002275.1_1	-0.459118205
ILMN_2700126	NM_145760.2	ARFGAP1	-0.459280784
ILMN_2933530	NM_027475.1	ECD	-0.459543278
ILMN_1239632	NM_023893.3	NG23	-0.459823856
ILMN_3108894	NM_133220.2	SGK3	-0.460222281
ILMN_1253919	NM_011337.2	CCL3	-0.460488027
ILMN_1251771	NM_025567.2	CYC1	-0.460545001
ILMN_2744036	NM_175403.2	2410014A08RIK	-0.460809357
ILMN_1232532	NM_025739.2	RNF220	-0.461006713

ILMN_2505095		USP48	-0.46145952
ILMN_2758631	NM_008612.1	MNAT1	-0.461526485
ILMN_1226073		TRPS1	-0.461660425
ILMN_1258334	NM_144884.1	TOR1A	-0.462047267
ILMN_2647873	NM_173437.1	NAV1	-0.462420641
ILMN_1259339	NM_009871.2	CDK5R1	-0.462437548
ILMN_2724643	NM_178601.2	IMP4	-0.462880011
ILMN_2790486	NM_009725.2	ATP5F1	-0.463060828
ILMN_1254526	NM_080708.1	BMP2K	-0.463183219
ILMN_2697719	NM_001099631.1	SH2D5	-0.463260638
ILMN_2820814	NM_025706.2	TBC1D15	-0.46326389
ILMN_1252743		MRPL15	-0.463704762
ILMN_2421299	NM_021559.2	ZFP191	-0.463710071
ILMN_3148662	NM_001079695.1	SFRS5	-0.464241314
ILMN_2879921	NM_177201.2	PHF8	-0.464390387
ILMN_1245421	NM_138756.4	SLC25A36	-0.464667761
ILMN_2677046	NM_013541.1	GSTP1	-0.464826383
ILMN_1212989	XM_001476780.1	LOC100046770	-0.465015194
ILMN_2451662	XM_127016.2	ZFP50	-0.465033627
ILMN_1255439	NM_144800.1	MTSS1	-0.465398098
ILMN_2747196	NM_007656.4	CD82	-0.465606688
ILMN_3112185	NM_019561.2	ENSA	-0.466032241
ILMN_2646976	NM_020566.1	DNAJC4	-0.466191254
ILMN_2669813	NM_133865.2	DCLRE1B	-0.466628555
ILMN_1233637	XM_485288.3	EG433633	-0.46663065
ILMN_1230452	XM_356277.1	LOC382175	-0.467166345
ILMN_2815313	NM_013836.2	TCF20	-0.4672206
ILMN_2646574	NM_009173.1	SIAH1B	-0.46738711
ILMN_2504718	NM_030684.1	TRIM34	-0.467919483
ILMN_1217556	NM_001024604.2	ANKRD28	-0.467928197
ILMN_2679851	NM_008810.2	PDHA1	-0.467959188
ILMN_2562107		USP14	-0.468068405
ILMN_2771441	NM_173764.3	TAPT1	-0.468237329
ILMN_2636755	NM_012055.3	ASNS	-0.46838985
ILMN_1249836	NM_053102.2		Sep15 -0.46853628
ILMN_2553783		5830434K11RIK	-0.468882789
ILMN_1220051	NM_001080130.1	TMPO	-0.469276302
ILMN_2685873	NM_153167.2	WDR32	-0.469501161
ILMN_2674906	NM_021719.3	CLDN15	-0.469656919
ILMN_3124947	NM_001012330.1	ZFP238	-0.469747698
ILMN_1250752		KNSL5	-0.469866523
ILMN_2634933	NM_145826.4	IL17RE	-0.470171475
ILMN_1244874	NM_009304.1	SYNGR2	-0.470233281
ILMN_2556329	NM_026231.2	GSTCD	-0.470407164
ILMN_1218732	XM_148728.1	2810426P10RIK	-0.47058844
ILMN_2938390	NM_027184.1	IPMK	-0.470967074

ILMN_2540655	XM_357784.1	LOC384675	-0.47099284
ILMN_2642403	NM_010723.2	LMO4	-0.471075389
ILMN_2439322	NM_019747.3	ZFP113	-0.471102273
ILMN_2600339	NM_019650.2	GOSR2	-0.471111125
ILMN_1246030		4732431J01RIK	-0.471148086
ILMN_1239750		BRCA1	-0.471217557
ILMN_1246058	NM_031868.2	PPP1CA	-0.471333077
ILMN_3115777	NM_001038700.1	FNBP1	-0.471648671
ILMN_1239221	NM_023516.3	2310016C08RIK	-0.471898161
ILMN_2742068	NM_013808.3	CSRP3	-0.472383649
ILMN_3048503	NM_027707.2	NIPBL	-0.472388611
ILMN_2671447	NM_011232.2	RAD1	-0.472430975
ILMN_2763235	NM_177300.2	B130040O20RIK	-0.472599542
ILMN_2757607	NM_001083928.1	TLE3	-0.472667956
ILMN_2510771		2810453I06RIK	-0.473512359
ILMN_1219869	NM_008357.1	IL15	-0.473685369
ILMN_1236150	NM_009680.2	AP3B1	-0.473711106
ILMN_2695228	NM_026050.1	2810453I06RIK	-0.474240757
ILMN_2522495		C130078N17RIK	-0.474308443
ILMN_1228814		2610524N02RIK	-0.474350663
ILMN_2708440	NM_018875.1	SNX12	-0.474656625
ILMN_2515768	NM_145436.2	CDC27	-0.474892682
ILMN_2498813	NM_001024205.1	NUFIP2	-0.475157471
ILMN_1256066		SNX19	-0.475459154
ILMN_2574997		A630024K09RIK	-0.475523517
ILMN_2568028		IL2RG	-0.475564087
ILMN_3051466	NM_001025597.1	IKZF1	-0.475622905
ILMN_3133267	NM_198122.1	ARID4B	-0.475760325
ILMN_1242474	NM_144538.2	RAB3IL1	-0.47580821
ILMN_1248202		ARHGEF2	-0.476029037
ILMN_1238389	NM_001024919.1	2310022M17RIK	-0.477389364
ILMN_2995537	NM_008163.3	GRB2	-0.477392568
ILMN_2728634	NM_010718.3	LIMK2	-0.477924489
ILMN_1256698	XM_917905.3	WDR43	-0.477961788
ILMN_1228261		A130032P05RIK	-0.47821223
ILMN_1255860	NM_010654.2	KLRD1	-0.478247948
ILMN_2648661	NM_007598.2	CAP1	-0.478269237
ILMN_1213185	XM_358947.1	LOC385792	-0.4784247
ILMN_1227033	NM_001081210.1	MRPL44	-0.478548499
ILMN_1256645		ZFPN1A1	-0.478677811
ILMN_1236417	NM_009547.2	ZFP161	-0.478743963
ILMN_2677712	NM_007480.1	ARF5	-0.478842439
ILMN_2641270	NM_001024512.1	FAM149B	-0.478916174
ILMN_2658554	NM_030678.3	GYS1	-0.478946267
ILMN_2730926	NM_172947.3	LSM12	-0.479360262
ILMN_1219568	NM_016881.2	PMM2	-0.479385692

ILMN_2444505	NM_145538.1	SCL0003251.1_21	-0.479425028
ILMN_1256708	XM_137290.1	LOC237459	-0.479563974
ILMN_2696610	NM_026331.3	SLC25A37	-0.479620967
ILMN_1224072	NM_201245.2	MPRIP	-0.479792576
ILMN_3141830	NM_018768.2	STX8	-0.480854838
ILMN_2940766	NM_026422.1	MRRF	-0.481089263
ILMN_1237730		RAF1	-0.481271981
ILMN_3083981	NM_001080949.1	TTC5	-0.481735069
ILMN_3009860	NM_011346.1	SELL	-0.482137337
ILMN_2770759	NM_183417.2	CDK2	-0.482140191
ILMN_1232099	NM_019793.2	TSPAN3	-0.482349985
ILMN_2511089		UGCG	-0.48237491
ILMN_2639714	NM_030197.1	2700078E11RIK	-0.482484483
ILMN_2621038	NM_010455.2	HOXA7	-0.482500643
ILMN_2678431	NM_008613.2	MNS1	-0.482508205
ILMN_1241908	NM_153592.1	ERLIN2	-0.482969545
ILMN_2742498	NM_172394.2	NUP88	-0.483116881
ILMN_2918114	NM_009687.1	APEX1	-0.484217706
ILMN_1214075	NM_026039.2	MED18	-0.484524011
ILMN_2985969	NM_009773.1	BUB1B	-0.484538194
ILMN_1233334	NM_010236.1	FPGS	-0.48460071
ILMN_3127790	NM_001025597.1	IKZF1	-0.484828709
ILMN_2719473	NM_024184.2	ASF1B	-0.485019781
ILMN_2654822	NM_145979.2	CHD4	-0.485076398
ILMN_2644061	NM_177325.3	TSR1	-0.485337222
ILMN_2771824	NM_001039176.1	ELOVL1	-0.485379105
ILMN_1217855	NM_024253.4	NKG7	-0.485477849
ILMN_2729958	NM_178204.1	HIST1H3D	-0.485608585
ILMN_2525395	NM_001081340.1	SETD2	-0.485845696
ILMN_2888834	NM_138310.1	APOB48R	-0.486036905
ILMN_2757699	NM_025371.2	ACY1	-0.486044895
ILMN_2663679	NM_026971.2	MRPL48	-0.486243244
ILMN_1238130	NM_018740.1	RAI12	-0.486344582
ILMN_2433964	NM_031408.2	GIGYF1	-0.486481685
ILMN_2637398	NM_026073.2	RABL5	-0.486967541
ILMN_2658827	NM_139299.1	IL31RA	-0.48703389
ILMN_2644664	NM_198164.2	CDC2L6	-0.48706775
ILMN_2583102		D430007J11RIK	-0.487172828
ILMN_1255869		CATNB	-0.487407995
ILMN_2875169	NM_144905.2	6330416G13RIK	-0.487815892
ILMN_1255592	NM_019460.1	SFMBT1	-0.488590201
ILMN_2981486	NM_053154.1	KLRA19	-0.488977585
ILMN_2745971	NM_011793.2	BANF1	-0.489528324
ILMN_1228091	NM_175045.2	BCOR	-0.490049698
ILMN_2788475	NM_011505.1	STXBP4	-0.490093389
ILMN_2736209	NM_207234.2	REXO4	-0.490115571

ILMN_2875251	NM_007447.2	ANG	-0.490396202
ILMN_2736783	NM_177715.4	KCTD12	-0.490443667
ILMN_1258028	NM_016922.2	GAL3ST1	-0.49094672
ILMN_1240950	NM_146144.2	USP1	-0.491345881
ILMN_1214811	NM_008943.1	PSEN1	-0.491413025
ILMN_2431150		EEF2K	-0.491741545
ILMN_2883016	NM_173437.1	NAV1	-0.492100492
ILMN_1253005	XM_357015.1	LOC383371	-0.492279805
ILMN_2431046	NM_133835.1	UBAC1	-0.492323042
ILMN_2636110	NM_199007.1	SGOL2	-0.492770379
ILMN_2595732	XM_001475817.1	LOC100046232	-0.4928488
ILMN_2524167	XM_130859.4	4631434O19RIK	-0.492995872
ILMN_2437558	BC026739.1	SCL0004175.1_57	-0.493319817
ILMN_2637052	NM_009010.2	RAD23A	-0.493833515
ILMN_1257573	NM_026856.2	ZFP644	-0.49393386
ILMN_1252216	NM_011251.1	RBM6	-0.494327383
ILMN_2671755	NM_207298.2	CERCAM	-0.494490286
ILMN_3077377	NM_011710.2	WARS	-0.494525575
ILMN_1221700	NM_015779.2	ELA2	-0.494692714
ILMN_2892480	NM_172639.1	5330431N19RIK	-0.494752341
ILMN_2672847	NM_080288.1	ELMO1	-0.495091807
ILMN_2759365	NM_020581.1	ANGPTL4	-0.495452889
ILMN_2641360	NM_001033966.3	AK2	-0.495460955
ILMN_2549903		6230401I02RIK	-0.495501397
ILMN_2659229	NM_009079.2	RPL22	-0.495648649
ILMN_1218959	NM_138598.5	D11WSU99E	-0.49630383
ILMN_1251005	NM_026942.2	STOML1	-0.496340951
ILMN_3145527	NM_001042620.1	DHX15	-0.496420858
ILMN_2492864	NM_001039939.1	ASXL1	-0.496694214
ILMN_2694430		1110033K02RIK	-0.497165295
ILMN_1237028	NM_145537.1	EDEM2	-0.497544212
ILMN_2778195	NM_008697.2	NIN	-0.497655596
ILMN_1258534	NM_013477.3	ATP6VOD1	-0.497700209
ILMN_2505319	NM_022964.2	WBSCR5	-0.497799266
ILMN_1236246	NM_138590.2	D4WSU132E	-0.498082877
ILMN_1253145	NM_001025263.1	TPD52	-0.49812164
ILMN_2645439	NM_007552.4	BMI1	-0.498162006
ILMN_1231802	NM_029745.2	TBC1D9B	-0.498201189
ILMN_2859032	NM_001033399.1	GFOD1	-0.498212493
ILMN_1256824	NM_173398.2	GPR171	-0.498254911
ILMN_2481170	NM_028075.2	TNFRSF13C	-0.498490676
ILMN_2981783	NM_019455.2	PTGDS2	-0.499180904
ILMN_1231307	XR_033301.1	LOC666025	-0.499411261
ILMN_1217842	NM_011792.4	BACE1	-0.499625898
ILMN_2556132		9430077D24RIK	-0.499702638
ILMN_2650868	NM_172625.2	INO80C	-0.500001608

ILMN_2534975	NM_030116.2	MRPL9	-0.500130516
ILMN_2722438	NM_007634.2	CCNF	-0.500291577
ILMN_2703023	NM_028715.2	FCHO1	-0.500304225
ILMN_1231651	XM_001474279.1	LOC100045439	-0.500609706
ILMN_2733793	NM_009898.2	CORO1A	-0.500690143
ILMN_2925895	NM_145466.1	A2LD1	-0.500804149
ILMN_1228707	XM_283936.2	5730406M06RIK	-0.501059329
ILMN_1230077	NM_025345.2	0610037P05RIK	-0.501167886
ILMN_2704199	NM_175246.3	SNIP1	-0.50125383
ILMN_1255648	NM_007782.1	CSF3R	-0.501314447
ILMN_2596713	NM_010241.1	AKTIP	-0.50136195
ILMN_2600348	NM_009270.3	SQLE	-0.50149802
ILMN_2980663	NM_007472.1	AQP1	-0.501619465
ILMN_2536832	XR_035280.1	9530048O09RIK	-0.501696923
ILMN_2733615	XM_358374.1	AP3B2	-0.50219021
ILMN_2611022	NM_021399.2	BCL11B	-0.502263906
ILMN_2680540	NM_011829.2	IMPDH1	-0.502411457
ILMN_1250779		5730543M03RIK	-0.502534489
ILMN_2742680		SMARCA3	-0.502813403
ILMN_3123303	NM_133915.2	PXN	-0.502925605
ILMN_3102376	NM_001077189.1	FCGR2B	-0.502988291
ILMN_1259631	NM_001035854.2	AP2B1	-0.503230757
ILMN_2612044	NM_145462.1	D14ERTD500E	-0.503440921
ILMN_2432040	NM_198416.2	ZZZ3	-0.503461866
ILMN_3072839	NM_027554.2	USP38	-0.503700916
ILMN_2979430	NM_001080969.1	THG1L	-0.503771238
ILMN_2541591		MSL2	-0.504011455
ILMN_2693115	XM_907090.2	4930579G24RIK	-0.50409092
ILMN_2460062	NM_019717.2	ATL2	-0.504325524
ILMN_1213921	XM_912265.2	TROAP	-0.504341277
ILMN_2424721		PDGFA	-0.504398858
ILMN_1225204	NM_021384.3	RSAD2	-0.504411359
ILMN_1214678	NM_001081191.1	EML5	-0.504497326
ILMN_2612090		2610034E13RIK	-0.5054046
ILMN_2603834	NM_016865.2	HTATIP2	-0.505426317
ILMN_2497395		9130004J05RIK	-0.505428016
ILMN_3098616	NR_002322.1	TUG1	-0.505492574
ILMN_2725672	NM_011806.2	DMTF1	-0.506157707
ILMN_2652482	NM_018769.3	DFNA5H	-0.506436192
ILMN_2774882		1110005F07RIK	-0.506765638
ILMN_2648742	NM_008830.1	ABCB4	-0.50736858
ILMN_2675738		C730026E21RIK	-0.507628604
ILMN_1242689	XM_135639.2	LOC236371	-0.507676713
ILMN_1218015	NM_145576.1	ZFP212	-0.507700027
ILMN_2630975	NM_010273.3	GDI1	-0.507751315
ILMN_2995698	NM_026456.2	TCEB1	-0.507930126

ILMN_1231982		4833409J19RIK	-0.50796572
ILMN_2480963	NM_010808.3	MMP24	-0.508292172
ILMN_2920309	NM_025873.1	TRIT1	-0.508378761
ILMN_2705331	NM_144858.1	DUS3L	-0.509076271
ILMN_1254736	NM_010864.2	MYO5A	-0.509430878
ILMN_2661458	NM_013676.1	SUPT5H	-0.50980165
ILMN_2719803	NM_019992.3	STAP1	-0.509876967
ILMN_2673601	NM_172716.4	PCGF3	-0.50994153
ILMN_1212720	NM_080469.2	PRNPIP1	-0.509970055
ILMN_2947369	NM_021529.3	PPP2R3C	-0.510764158
ILMN_2531554	XM_355145.1	LOC381212	-0.510806557
ILMN_2718349	NM_177298.2	9030221M09RIK	-0.510883879
ILMN_1256245	XM_900557.2	RLF	-0.510884188
ILMN_1239776	XM_001474366.1	LOC100040243	-0.511216693
ILMN_1247561		PDHB	-0.51140291
ILMN_2687534	NM_018888.2	UQCC	-0.511472211
ILMN_1255741	NM_194444.1	CDK10	-0.511616231
ILMN_1213457	NM_029721.1	SNX27	-0.511934575
ILMN_2878979	NM_027206.1	TNFAIP8L2	-0.512032801
ILMN_2780316	NM_145417.1	RNPEP	-0.512650122
ILMN_2840296	NM_021498.2	POLE3	-0.512905594
ILMN_2743985	XM_135413.4	METTL4	-0.512978492
ILMN_2927635	NM_001030014.2	MCAT	-0.513056596
ILMN_2455447		A930026I22RIK	-0.513304085
ILMN_2746283	NM_194464.2	MRVI1	-0.513374146
ILMN_2505096	XM_001052064.2	LOC674195	-0.51341735
ILMN_1247603	NM_145413.4	FAM20B	-0.513709202
ILMN_2607951	NM_025325.2	HAAO	-0.513782539
ILMN_2697652	NM_145979.2	CHD4	-0.514907639
ILMN_1236369	NM_011669.3	USP12	-0.515218011
ILMN_2749719	XR_035133.1	4930515G01RIK	-0.515224388
ILMN_1226829	NM_010740.3	CD93	-0.515227746
ILMN_2573159		D130047L08RIK	-0.51537919
ILMN_2955214	NM_199197.1	1110032A13RIK	-0.515380803
ILMN_2748337	NM_023502.1	ELF2	-0.515422543
ILMN_2646381	NM_207669.1	GABPB1	-0.515626197
ILMN_2810405	NM_178440.2	MYO1G	-0.516155974
ILMN_1250054	NM_009048.1	REPS1	-0.516378251
ILMN_2527003	XM_355290.1	LOC381332	-0.516389312
ILMN_1246329	NM_009733.1	AXIN1	-0.516418184
ILMN_1229797		GABPB1	-0.51647209
ILMN_1224842	XM_358030.1	LOC385068	-0.516663513
ILMN_1252267	NM_138757.2	4933424B01RIK	-0.516668755
ILMN_2603918	NM_007711.2	CLCN3	-0.516798429
ILMN_2564279		A930021K20RIK	-0.516953244
ILMN_2661523	NM_008339.1	CD79B	-0.516991509

ILMN_1250392	XM_987106.1	LOC435145	-0.517291974
ILMN_3161617	NM_001033244.2	FANCD2	-0.517643264
ILMN_1237983	NM_008812.1	PADI2	-0.517672977
ILMN_1218627	NM_027457.4	5730437N04RIK	-0.518090526
ILMN_1246247	NM_001013608.1	9330134C04RIK	-0.518795219
ILMN_2427777	XM_282969.7	4631424J17RIK	-0.518893718
ILMN_2614970	NM_011487.3	STAT4	-0.518904305
ILMN_1255255	NM_146229.2	DYNC1LI1	-0.519402544
ILMN_2668243	NM_019648.3	METAP2	-0.520236488
ILMN_2742160	NM_010376.3	H13	-0.520253232
ILMN_2662728	NM_015750.2	NEU2	-0.520476402
ILMN_2679984	NM_011774.2	SLC30A4	-0.520906783
ILMN_2573401		C430026P20RIK	-0.521070326
ILMN_3123826	NM_001039388.1	WDR37	-0.521506991
ILMN_3119014	NM_205536.1	ELK3	-0.521584342
ILMN_2460653	NM_019449.1	UNC93B1	-0.521760647
ILMN_1235447	NM_001033367.3	NLRC4	-0.521942346
ILMN_2830661	NM_011623.1	TOP2A	-0.52199368
ILMN_1259566	NM_011373.2	ST6GALNAC4	-0.522540589
ILMN_2718350	NM_177298.2	9030221M09RIK	-0.522593721
ILMN_2692942	NM_009229.2	SNTB2	-0.522649856
ILMN_2776075	NM_025494.1	ATP6V1C1	-0.523113525
ILMN_1242482		4833412N02RIK	-0.523243006
ILMN_1237695	NM_019703.3	PFKP	-0.523300753
ILMN_1229544	XM_001476596.1	LOC100041569	-0.52342886
ILMN_1239627	NM_029935.4	4631426J05RIK	-0.523661075
ILMN_2615096	NM_010074.2	DPP4	-0.523782819
ILMN_2644792	NM_027541.4	PRPF3	-0.524184349
ILMN_1250502		C030044K08RIK	-0.524287056
ILMN_1260417		4732423C17RIK	-0.52430841
ILMN_2718266	NM_010220.2	FKBP5	-0.524428084
ILMN_2599615	NM_025516.4	ERGIC3	-0.52442856
ILMN_2528453	NM_207131.1	CEBPE	-0.524494003
ILMN_2591823	NM_010067.3	TRDMT1	-0.524584666
ILMN_2691469	NM_178914.3	SPATA7	-0.525088986
ILMN_2662527	NM_011465.3	SPNA1	-0.525449756
ILMN_3114998	NM_001008549.1	BC043301	-0.525849615
ILMN_2633872	NM_194444.1	CDK10	-0.525897299
ILMN_2705849	NM_011933.1	DECR2	-0.52612566
ILMN_2652104	NM_177389.3	MIA3	-0.526353415
ILMN_2776910	NM_025283.3	MOBKL3	-0.526377944
ILMN_2426571		SCL0004040.1_123	-0.526512314
ILMN_1221919	NM_007711.2	CLCN3	-0.526516638
ILMN_2819558	NM_007521.2	BACH2	-0.526540699
ILMN_3159029	NM_080453.2	MMP28	-0.526794452
ILMN_1239119	NM_197944.1	HSH2D	-0.526888454

ILMN_2638428	NM_009875.3	CDKN1B	-0.527023627
ILMN_3070951	NM_026195.1	ATIC	-0.52712467
ILMN_1255053	NM_011121.3	PLK1	-0.527812261
ILMN_1231309	NM_008534.2	LY9	-0.527938611
ILMN_1218533		A630054M16RIK	-0.527979559
ILMN_1235635	NM_023908.2	SLCO3A1	-0.528490584
ILMN_2703263		RABGGTB	-0.529137668
ILMN_1246483	NM_026528.1	2700060E02RIK	-0.529145668
ILMN_1256774	NM_133758.2	USP47	-0.529420418
ILMN_2690319	NM_175554.3	CLSPN	-0.529478949
ILMN_1251971	XM_150021.1	5830432E09RIK	-0.529656455
ILMN_2736197	XM_921606.2	2610307O08RIK	-0.529724803
ILMN_2925094	NM_010824.1	MPO	-0.529758659
ILMN_2778789	NM_144906.1	SGIP1	-0.530091241
ILMN_2661635	NM_013755.2	GYG	-0.530304286
ILMN_2667369	NM_022305.3	B4GALT1	-0.530618221
ILMN_2419777		PPM1L	-0.531364447
ILMN_2617071	NM_198654.2	NSL1	-0.531653276
ILMN_1245003	NM_013615.2	ODF2	-0.531732171
ILMN_1259612	XM_908501.3	PFAS	-0.531750096
ILMN_2758632	NM_008612.2	MNAT1	-0.531856125
ILMN_1223335	NM_133979.2	ANO10	-0.532032575
ILMN_2545897	NM_024460.3	2310016E02RIK	-0.532229417
ILMN_3154129	NM_001081203.1	SBNO1	-0.532470705
ILMN_2784019	NM_010283.1	GGTA1	-0.532582
ILMN_2819841	NM_013721.2	RPL7A	-0.532620811
ILMN_2732877	NM_025969.3	1700034H14RIK	-0.532678525
ILMN_1241308	AK028023.1	SCL0003749.1_1	-0.532833695
ILMN_1240671	XM_356133.1	LOC382058	-0.532954076
ILMN_2651575	NM_010511.2	IFNGR1	-0.533310227
ILMN_1213448	XM_976371.1	LOC669658	-0.533531279
ILMN_2666935	NM_001085518.1	RP23-357I14.1	-0.533720547
ILMN_2538615	XM_355666.1	LOC381691	-0.533777129
ILMN_2747735	NM_133704.4	SEC22A	-0.534135807
ILMN_2636360	NM_026381.3	SCOTIN	-0.534717471
ILMN_1242990		MSL31	-0.534744893
ILMN_2595477	NM_016887.2	CLDN7	-0.53496762
ILMN_2491705	XM_355003.1	SCL0001644.1_2	-0.535572105
ILMN_1229426	NM_153052.1	GZMN	-0.535876699
ILMN_2631894	NM_133880.1	PAFAH2	-0.536020277
ILMN_3108203	NM_023166.1	MTVR2	-0.536148139
ILMN_1235035	NM_133227.2	NUP155	-0.536387159
ILMN_2596757	NM_194351.1	9330175B10RIK	-0.536666444
ILMN_2820305	NM_008586.1	MEP1B	-0.536782244
ILMN_1227495	NM_028370.1	POT1B	-0.536926724
ILMN_1235502	XR_032846.1	LOC624198	-0.53707464

ILMN_2617086	NM_053207.1	EGLN1	-0.537354919
ILMN_2767615	NM_009721.4	ATP1B1	-0.537445107
ILMN_1230883	NM_029546.2	PWP2	-0.537495421
ILMN_2748336	NM_023502.1	ELF2	-0.537699345
ILMN_2601515	NM_011794.2	BPNT1	-0.537867969
ILMN_2614110	XM_001000961.1	5830417I10RIK	-0.538571833
ILMN_1216812	NM_025898.3	NAPA	-0.538736676
ILMN_2603837	NM_016865.2	HTATIP2	-0.538819809
ILMN_2774435	NM_026030.2	EIF2S2	-0.538959585
ILMN_2751653	NM_026164.2	PNPLA8	-0.539023327
ILMN_1248565	NM_010178.2	FUSIP1	-0.539077024
ILMN_2970742	NM_029965.2	RNF170	-0.539205743
ILMN_2512042	NM_009454.2	UBE2E3	-0.539319137
ILMN_2743244	NM_019388.2	CD86	-0.539323893
ILMN_2741611	NM_176996.3	SMO	-0.539439159
ILMN_1226760	XM_884359.3	LOC619973	-0.540097259
ILMN_2620030	NM_009794.2	CAPN2	-0.540316005
ILMN_2699167	XM_001477065.1	LOC100046918	-0.540379253
ILMN_2666406	NM_028447.2	PRRC1	-0.540464107
ILMN_2683675	XM_001471971.1	LOC100044324	-0.541068602
ILMN_1248181	NM_010731.3	ZBTB7A	-0.541182539
ILMN_1242672	XM_973360.2	EG434168	-0.541649795
ILMN_1255745	NM_026388.2	TPRGL	-0.542312309
ILMN_2584685		E430021P16RIK	-0.542332941
ILMN_1234541		A130047F11RIK	-0.542515813
ILMN_2448496		DEF8	-0.543005271
ILMN_2741445	NM_133954.1	AA960436	-0.543185989
ILMN_1232030	NM_008446.1	KIF4	-0.543198508
ILMN_3148550	NM_001035122.2	GOLM1	-0.543392788
ILMN_2843029	NM_010763.1	MAN1A2	-0.543584592
ILMN_2590061	NM_133250.1	MUTYH	-0.544139235
ILMN_2543767		SET	-0.544147575
ILMN_2915303	NM_021407.1	TREM3	-0.544344037
ILMN_1215502		P4HA1	-0.544645984
ILMN_2542311	XR_001562.1	LOC547150	-0.544782919
ILMN_1242176	NM_145553.1	BC008163	-0.545605407
ILMN_2515784	NM_019656.3	TSPAN6	-0.545640711
ILMN_2612143	NM_011378.1	SIN3A	-0.545834322
ILMN_2448404	AK088505.1	SCL0002975.1_346	-0.546311274
ILMN_1236898	NM_026360.2	DDX47	-0.546445588
ILMN_2747202	NM_026942.2	STOML1	-0.546535784
ILMN_2609457	NM_027352.3	GORASP2	-0.546543689
ILMN_1252887		D130064L03RIK	-0.54665639
ILMN_2730249	NM_027310.3	2310005N01RIK	-0.546855742
ILMN_2620037	NM_028036.3	TMCO6	-0.547923691
ILMN_2732336	XM_134937.3	SCL0003522.1_58	-0.548096002

ILMN_1247125	NM_025923.2	FANCL	-0.548237902
ILMN_1253851	NM_178214.1	HIST2H2BE	-0.548853127
ILMN_2650775	NM_133800.3	NOL12	-0.549032516
ILMN_2666380	NM_012031.1	SPAG1	-0.549479833
ILMN_2765407	NM_138680.1	LUC7L2	-0.549819842
ILMN_2987878	NM_009471.1	UMPS	-0.549918341
ILMN_2592519	NM_010424.4	HFE	-0.550102658
ILMN_1224754	NM_021273.3	CKB	-0.550771704
ILMN_2641069	NM_023900.2	PLEKHJ1	-0.550973718
ILMN_2626491	NM_010358.2	GSTM1	-0.551021194
ILMN_1234842		MSI2H	-0.55106671
ILMN_2655034	NM_028019.3	RNF135	-0.55107376
ILMN_2658208	NM_030241.2	SETD8	-0.551094706
ILMN_2451036	XM_001477372.1	LOC100047093	-0.55111503
ILMN_2567626		PUM1	-0.551330537
ILMN_2491099	XM_125902.4	XPOT	-0.551541334
ILMN_2606667	NM_007841.3	DDX6	-0.551820463
ILMN_2445989	NM_029979.1	TRIM35	-0.55214123
ILMN_2641874	NM_172787.2	L3MBTL3	-0.552314275
ILMN_1237803		2010313D22RIK	-0.552669986
ILMN_2649961		SLC35A3	-0.552781212
ILMN_1229502	NM_028119.4	DDB2	-0.553331288
ILMN_2444023	NM_016800.2	VTI1B	-0.553493479
ILMN_2495961	NM_001025387.2	BRD2	-0.554415751
ILMN_1220073		A430106D13RIK	-0.55461571
ILMN_1233970	NM_177231.2	ARRB1	-0.554815953
ILMN_1259783	NM_054082.1	MTA3	-0.555102492
ILMN_2755293	NM_175233.2	5830472H07RIK	-0.555472877
ILMN_3162426	NM_001011875.1	RNASE12	-0.55565966
ILMN_2457326	NM_201357.1	TSSC1	-0.555703721
ILMN_2759756	NM_153820.3	ARHGAP15	-0.555923008
ILMN_2614644	XM_920534.2	5730406M06RIK	-0.556884108
ILMN_2487170	NM_009416.3	TPM2	-0.556999246
ILMN_1219063	NM_019995.3	D3ERTD300E	-0.557430167
ILMN_1242103		2610528B01RIK	-0.558268117
ILMN_2708357	NM_026561.3	NT5C3L	-0.558463303
ILMN_2728429	NM_026918.2	1810010M01RIK	-0.558534333
ILMN_2750402	NM_033080.2	NUDT19	-0.559099881
ILMN_3003290	NM_008231.2	HDGF	-0.559144382
ILMN_1226422	NM_019562.1	UCHL5	-0.559675473
ILMN_1235717	NM_013861.3	TPK1	-0.560708461
ILMN_1236888		RANGAP1	-0.560848743
ILMN_2616573	XM_001477665.1	LOC100047214	-0.561053107
ILMN_2749063	XM_976471.1	DOCK10	-0.561095084
ILMN_2958626	NM_010633.3	UHMK1	-0.561468182
ILMN_1239933	NM_009980.4	CTBP2	-0.561471581

ILMN_1226596		6330401K01RIK	-0.562389921
ILMN_2704842	NM_010623.3	KIF17	-0.562533899
ILMN_2833772	NM_011155.1	PPP5C	-0.562879118
ILMN_2496658		A130086G11RIK	-0.562896952
ILMN_1231518	NM_172511.2	ABHD10	-0.562940066
ILMN_2764995	NM_023579.4	IPO5	-0.562949169
ILMN_2659323	XM_914270.2	CNOT1	-0.563449641
ILMN_2625601	NM_019990.4	STARD10	-0.56348381
ILMN_3163335	NM_011229.1	RAB5B	-0.563972814
ILMN_1227630	NM_026670.4	ZMYM1	-0.56409879
ILMN_1255262		6530401D06RIK	-0.565413325
ILMN_1214668		MSI2H	-0.565477003
ILMN_3108021	NM_001033464.1	EFCAB4B	-0.565492565
ILMN_3004970	NM_015781.2	NAP1L1	-0.565799126
ILMN_2506039		A130090K04RIK	-0.565866414
ILMN_2726428	XM_001477068.1	LOC100046923	-0.56592775
ILMN_1230485	NM_001037859.2	CSF1R	-0.566041898
ILMN_1247613	NM_021498.2	POLE3	-0.566070798
ILMN_2631813	NM_026053.1	GEMIN6	-0.566635559
ILMN_2684324	NM_001009947.3	DOCK11	-0.566941455
ILMN_2511275	BC069909.1	SCL0002064.1_2	-0.567121639
ILMN_2756008	NM_016777.2	NASP	-0.567379665
ILMN_2746356	NM_011600.2	TLE4	-0.567383106
ILMN_2747912	NM_009000.3	RAB24	-0.567606599
ILMN_2682173	NM_178620.3	MFSD11	-0.567822655
ILMN_3054914	NM_011909.1	USP18	-0.56803715
ILMN_2992517	NM_019942.2		Sept6 -0.568276457
ILMN_2685507	NM_009672.2	ANP32A	-0.568566868
ILMN_2813594	NM_183140.1	ZFP691	-0.568615988
ILMN_1218799	NM_010330.3	EMB	-0.568822048
ILMN_1225808	NM_026681.4	CCDC88C	-0.568943053
ILMN_2657734	NM_145975.1	DDX46	-0.568966266
ILMN_2503748	NM_013718.2	TRAPPC3	-0.568991261
ILMN_1216801	NM_025372.3	TIPIN	-0.569036521
ILMN_1218814	NM_029738.2	CLUAP1	-0.5692595
ILMN_1239876	NM_011917.2	XRN2	-0.569326431
ILMN_3162879	NM_152220.1	STX3	-0.569491333
ILMN_2702887	NM_022030.2	SV2A	-0.56970931
ILMN_2729458	NM_010497.2	IDH1	-0.569810873
ILMN_2595918	NM_146167.3	GIMAP7	-0.569951198
ILMN_1242619	NM_028887.3	SMCHD1	-0.570315843
ILMN_2950928	NM_028959.1	CEP72	-0.570545348
ILMN_2684910	NM_181586.2	SIRT6	-0.57091026
ILMN_2822477	NM_012022.1	PPNR	-0.571171973
ILMN_1246849	NM_201357.1	TSSC1	-0.571691164
ILMN_2607926	NM_025841.3	KDELR2	-0.572048751

ILMN_3160648	NM_001003918.2	USP7	-0.572186289
ILMN_2648607	NM_028993.3	9130404D08RIK	-0.572421328
ILMN_1236988	NM_172557.2	RUFY1	-0.572840149
ILMN_2725305	NM_001039103.2	RASA4	-0.57293681
ILMN_2610835	NM_019710.1	SMC1A	-0.57339448
ILMN_2980661	NM_007472.1	AQP1	-0.573545461
ILMN_2756439	NM_027898.3	GRAMD1A	-0.573806324
ILMN_1218767	NM_021510.2	HNRNPH1	-0.573874004
ILMN_2451035	XM_133034.1	UBE2H	-0.574698237
ILMN_1260502	XM_132579.5	PCNP	-0.575151927
ILMN_2704335	NM_001042715.3	CCDC135	-0.575223614
ILMN_3114365	NM_178604.3	TXNL4A	-0.575242758
ILMN_2590478	NM_029977.1	POLQ	-0.575645007
ILMN_2679695	NM_178051.3	MTERFD2	-0.575647754
ILMN_2816736	NM_001024730.1	EG546166	-0.575714719
ILMN_2704141	NM_010070.3	DOK1	-0.575804852
ILMN_1216407	NM_183287.2	2610318N02RIK	-0.575969849
ILMN_2728796	NM_181344.4	C1RL	-0.576002684
ILMN_2421925		WDFY1	-0.576279092
ILMN_1242178	NM_007410.2	ADH5	-0.576436096
ILMN_2756074	NM_026981.1	DTWD1	-0.576532319
ILMN_2824625	NM_001033442.1	GM1604	-0.576547276
ILMN_3066986	NM_008210.2	H3F3A	-0.577205512
ILMN_2754015	NM_172625.2	INO80C	-0.577208973
ILMN_2673441	NM_153547.4	GNL3	-0.577367744
ILMN_2532994	NM_001081290.1	BAT2D	-0.577747605
ILMN_1237620		A730020L20RIK	-0.577836701
ILMN_2655024	NM_008359.1	IL17RA	-0.578142518
ILMN_2765463	NM_033618.1	SUPT16H	-0.578512672
ILMN_2676434	NM_001038993.2	RNF38	-0.578659881
ILMN_3075003	NM_145385.1	MLF2	-0.578673613
ILMN_1221226		E230017J10RIK	-0.578787384
ILMN_2714360	NM_133654.1	CD34	-0.578945348
ILMN_1227993	NM_020505.2	VAV3	-0.579265126
ILMN_1214319	NM_026053.1	GEMIN6	-0.579571114
ILMN_1253680	NM_027297.3	PRPF4	-0.579686901
ILMN_1226315	XM_910524.3	9830167H18RIK	-0.57973477
ILMN_2833786	NM_024166.4	CHCHD2	-0.579784205
ILMN_1238868	NR_003649.1	EG432649	-0.580384245
ILMN_1234361		TBP	-0.580437867
ILMN_1239795	NM_009225.1	SNRPB	-0.580784114
ILMN_2581394		E230026L19RIK	-0.581215929
ILMN_2603699	NM_009689.2	BIRC5	-0.581259378
ILMN_1258613		N4WBP5-PENDING	-0.581530836
ILMN_1246024		RNPEP	-0.581787983
ILMN_3162887	NM_001013817.2	SP140	-0.582461185

ILMN_1245030	NM_001081107.1	HEL308	-0.582582905
ILMN_1229433	NM_172455.2	TMPRSS7	-0.583118023
ILMN_1216393	XM_358946.1	LOC385791	-0.583457767
ILMN_2685516	NM_008225.1	HCLS1	-0.583691825
ILMN_1236180	NM_133767.2	MTIF2	-0.583964948
ILMN_1235657	NM_021472.3	RNASE4	-0.584232838
ILMN_2626683	NM_029862.3	5930434B04RIK	-0.584316018
ILMN_1255110	NM_016776.2	MYBBP1A	-0.584363213
ILMN_1243234	XM_150227.8	MSL2L1	-0.584503862
ILMN_2449353		PPP2R5C	-0.584617083
ILMN_1252593		D930007N19RIK	-0.585122542
ILMN_1253235		CUGBP2	-0.585129993
ILMN_1248824		C230082I21RIK	-0.585265745
ILMN_2425351	NM_146144.3	USP1	-0.585278196
ILMN_1230680		D130057F13RIK	-0.585787219
ILMN_1213034		2010312A17RIK	-0.585960197
ILMN_2694577	NM_007744.2	COMT	-0.586152335
ILMN_2455920	AK009508.1	SCL000408.1_6	-0.586189769
ILMN_2684378	NM_181815.2	4930534B04RIK	-0.586290789
ILMN_1229763	NM_172899.3	DMKN	-0.58672942
ILMN_1216827	XM_181410.4	6330503C17RIK	-0.586750205
ILMN_2479786	NM_152234.1	UBQLN1	-0.586816676
ILMN_1248084		4933412A02RIK	-0.586921198
ILMN_2717374	NM_008786.1	PCMT1	-0.586981043
ILMN_2515363	NM_001001491.1	TPM4	-0.587014546
ILMN_1220632	NM_008950.1	PSMC5	-0.587088511
ILMN_1255833	AY267348.1	SCL0001905.1_3	-0.58713089
ILMN_2668805	NM_011484.2	STAM	-0.587178205
ILMN_1249945		9930004G02RIK	-0.587341002
ILMN_1258988	NM_010517.3	IGFBP4	-0.587409477
ILMN_1215434	NM_013910.2	FBXL10	-0.587984712
ILMN_1254531	NM_001081409.1	PHF20L1	-0.588069638
ILMN_3095257	NM_026120.4	2410127L17RIK	-0.58808533
ILMN_3152506	NM_001037863.1	ATP11C	-0.58844307
ILMN_1259609		1110003F05RIK	-0.589072078
ILMN_1237206	NM_023130.2	RALY	-0.589220464
ILMN_2660409	NM_026257.1	D4BWG1540E	-0.589309376
ILMN_1216681	XR_033448.1	LOC667776	-0.589347948
ILMN_1253075	NM_024282.3	FAM152A	-0.589552984
ILMN_2660182	NM_133348.1	ACOT7	-0.589844214
ILMN_2706251	NM_028868.3	CXXC1	-0.589955978
ILMN_1259818		C130057N11RIK	-0.590146071
ILMN_2724014	NM_007936.3	EPHA4	-0.590261178
ILMN_2715893	NM_026346.1	FBXO32	-0.590322812
ILMN_2625680	NM_013814.2	GALNT1	-0.590437814
ILMN_1218024		ARHGEF6	-0.590539101

ILMN_2723860	XM_131934.4	PKM2	-0.590653013
ILMN_2737090	NR_003634.1	RPS4Y2	-0.590759297
ILMN_3086889	NM_001038018.1	GPRK6	-0.591228382
ILMN_2578798		D030032D21RIK	-0.591422371
ILMN_1259442	NM_178017.1	HMGB2L1	-0.591488638
ILMN_1224472	NM_013652.2	CCL4	-0.591694293
ILMN_1260073	NM_025967.2	D16ERTD472E	-0.591730669
ILMN_2632964	NM_146261.1	BC031748	-0.591832565
ILMN_1233501		C530027B15RIK	-0.591917988
ILMN_2674655	NM_025370.2	1110018J18RIK	-0.592254532
ILMN_2441635	NM_025996.3	TOMM34	-0.592727148
ILMN_2483297	NM_027494.2	ZCCHC8	-0.592992618
ILMN_1260241	NM_172593.2	MIER3	-0.593209946
ILMN_1234014	NM_001001321.3	SLC35D2	-0.593220932
ILMN_1243290	NM_210071.1	EYA3	-0.593279469
ILMN_2505845		DIRAS2	-0.593286646
ILMN_1241588		TOR2A	-0.593377123
ILMN_1259917		D330001F19RIK	-0.593591988
ILMN_2544597		2810409M01RIK	-0.59445616
ILMN_2644392	NM_053196.2	SFXN2	-0.594796124
ILMN_1226660	XM_001478079.1	LOC100047402	-0.594891382
ILMN_1225565	NM_010512.3	IGF1	-0.595251805
ILMN_2874084	NM_139305.1	CAR9	-0.595701536
ILMN_1233595		MRPL15	-0.595954797
ILMN_2604556	NM_008802.1	PDE7A	-0.595966763
ILMN_2504717	NM_030684.1	TRIM34	-0.596246665
ILMN_2604985	NM_025876.2	CDK5RAP1	-0.596537744
ILMN_2501670	NM_016690.4	HNRPDL	-0.596995729
ILMN_2471161	AK041138.1	SCL0003955.1_3	-0.597202468
ILMN_2618794	XM_127497.2	PTCD2	-0.597213153
ILMN_2653681	NM_023858.2	MTMR2	-0.598285263
ILMN_2623536	NM_027307.4	GOLM1	-0.598748572
ILMN_1214850	NM_011035.2	PAK1	-0.59960218
ILMN_2448002	NM_026936.3	OXA1L	-0.599799002
ILMN_1226783	NM_029926.4	IRAK4	-0.600022971
ILMN_2845214	NM_028233.1	LRPPRC	-0.600334269
ILMN_3129752	NM_147153.2	VPS39	-0.600352173
ILMN_3145814	NM_001081079.1	OGFRL1	-0.60050209
ILMN_1254015	NM_013777.2	AKR1C12	-0.600797188
ILMN_1255250		A230056E14RIK	-0.601113015
ILMN_1223159		A930025J12RIK	-0.601422696
ILMN_1242852	NM_025793.2	WDR45L	-0.602326422
ILMN_1235678	NM_028259.3	RPS6KB1	-0.602935277
ILMN_3135107	NM_027379.2	FAR1	-0.602945296
ILMN_1252827		6430524C05RIK	-0.603014763
ILMN_2690249	NM_001080381.1	6330500D04RIK	-0.603243368

ILMN_1254958		9430015G10RIK	-0.603710502
ILMN_2646049	NM_027742.2	LRRFIP2	-0.604226407
ILMN_1255907		ARP2	-0.604247584
ILMN_2894211	NM_145980.1	8430408G22RIK	-0.604454018
ILMN_1220228	NM_145404.1	PRMT7	-0.604752264
ILMN_3115677	NM_001042708.1	ILF3	-0.605089239
ILMN_2744683	NM_007547.2	SIRPA	-0.606802521
ILMN_2762582	NM_013660.1	SEMA4D	-0.607142519
ILMN_2608151	NM_178165.2	FCRL1	-0.608365964
ILMN_1250773	XM_194386.3	DOCK1	-0.608469013
ILMN_1223035	NM_019687.3	SLC22A4	-0.608625426
ILMN_2836137	NM_177733.2	E2F2	-0.608671595
ILMN_1233449	XM_001472240.1	LOC100044430	-0.608792334
ILMN_1243162	NM_080727.1	TMPRSS3	-0.60911842
ILMN_2447999	XM_127742.4	SCL000292.1_12	-0.609145065
ILMN_2451022	NM_011701.3	VIM	-0.609533182
ILMN_1244828	NM_001080948.1	LARP4	-0.609874814
ILMN_1249744		D030049N18RIK	-0.609993789
ILMN_3031099	NM_001039710.1	COQ10B	-0.610180556
ILMN_2693454	NM_175146.2	TSR2	-0.610192931
ILMN_2602687	NM_011284.3	RPA2	-0.610193283
ILMN_3096175	NM_001015876.1	TYW1	-0.610243276
ILMN_1215536		E130301F21RIK	-0.61078772
ILMN_1220569		5730589K01RIK	-0.610815089
ILMN_1245965	XM_001480621.1	LOC100043675	-0.61098087
ILMN_2608429	NM_013477.3	ATP6V0D1	-0.611031642
ILMN_1224110	NM_198095.2	BST2	-0.611059206
ILMN_2712697	NM_011862.2	PACSIN2	-0.611689747
ILMN_1248122	XM_979178.1	LOC432555	-0.611721618
ILMN_2479530	NM_009572.3	ZHX1	-0.612031773
ILMN_1242390	NM_021895.2	ACTN4	-0.612168147
ILMN_2795698	NM_153783.2	PAOX	-0.612364714
ILMN_2643879	NM_016921.2	TCIRG1	-0.612512444
ILMN_2687403	NM_010188.4	FCGR3	-0.612668881
ILMN_2613354	NM_138598.5	D11WSU99E	-0.61303854
ILMN_2951691	NM_178205.1	HIST1H3E	-0.614272696
ILMN_2686097	NM_146127.2	FAM110A	-0.614284105
ILMN_1221572	NM_145520.3	TRUB2	-0.614626238
ILMN_2441359	NM_178851.2	VPS39	-0.614803573
ILMN_2505100	NM_001033161.2	TRADD	-0.615073227
ILMN_1213866	NM_029745.2	TBC1D9B	-0.615212082
ILMN_3116560	NM_011375.2	ST3GAL5	-0.615307856
ILMN_1222927		0610009O04RIK	-0.615587833
ILMN_2482494	NM_053169.2	TRIM16	-0.615670508
ILMN_2486267	NM_019949.1	UBE2L6	-0.616159197
ILMN_1237886	NM_007930.3	ENC1	-0.61624533

ILMN_1229873		B930036M14RIK	-0.616851526
ILMN_2643876	NM_016921.2	TCIRG1	-0.61813941
ILMN_2557426		E430021A19RIK	-0.619046906
ILMN_2956765	NM_011696.1	VDAC3	-0.619083441
ILMN_1243082	NM_029679.1	6330500D04RIK	-0.619260247
ILMN_2742879		ALKBH	-0.619840723
ILMN_1256860		7420700D11RIK	-0.620017149
ILMN_2503651	NM_009481.2	USP9X	-0.620148673
ILMN_2718356	NM_177298.3	PISD	-0.620503449
ILMN_2734028	NM_011529.1	TANK	-0.620680461
ILMN_1236139	NM_010852.1	MYEF2	-0.620751106
ILMN_2660898	NM_025630.2	AGGF1	-0.621270695
ILMN_2708297	NM_019880.3	MTCH1	-0.621675644
ILMN_1228635	XM_978945.1	PUM2	-0.622231253
ILMN_2729985	NM_012001.1	COPS4	-0.622294769
ILMN_2693124	NM_029576.1	RAB1B	-0.622388962
ILMN_1254179	NM_028712.4	RAP2B	-0.622567468
ILMN_2646556	NM_145960.2	MTRF1	-0.623403303
ILMN_2603559	NM_025630.2	AGGF1	-0.623557058
ILMN_1224714	XM_988632.2	LOC634731	-0.623913194
ILMN_2728477	NM_019834.3	GIT2	-0.624496078
ILMN_2712634	NM_008667.2	NAB1	-0.624579864
ILMN_1247268	NM_026507.3	ZWILCH	-0.625087588
ILMN_1249959	NM_028011.2	TOM1L1	-0.625175304
ILMN_2672850	NM_080288.1	ELMO1	-0.625642159
ILMN_2447875		6330509M05RIK	-0.626904107
ILMN_2924619	NM_175347.4	SRL	-0.626904798
ILMN_2642411	NM_173187.2	2310035C23RIK	-0.627390316
ILMN_2730957	NM_199467.1	F730047E07RIK	-0.62760433
ILMN_1234292	XM_894265.2	EG629383	-0.627644651
ILMN_1219102		5133400O11RIK	-0.627770879
ILMN_2792868	NM_144923.2	BLVRB	-0.627875339
ILMN_2605645		GSN	-0.62797323
ILMN_1258782	NM_016786.2	HIP2	-0.629411752
ILMN_2775655	NM_001042541.1	AKAP1	-0.629879844
ILMN_2734667	NM_027134.2	MTFMT	-0.629988923
ILMN_2700982	NM_008816.2	PECAM1	-0.630377133
ILMN_2944870	NM_175174.2	KLHL5	-0.63038807
ILMN_1236100	NM_028456.1	RWDD3	-0.630455388
ILMN_2806180	NM_007782.1	CSF3R	-0.631043729
ILMN_1258466	XM_358377.1	LOC380623	-0.631358307
ILMN_2660082	NM_145955.3	1110007A13RIK	-0.631526158
ILMN_1214800	NM_027445.1	RNF167	-0.632235338
ILMN_1237842	NM_007712.2	CLK2	-0.633070579
ILMN_3002971	NM_130879.2	USP48	-0.633215085
ILMN_2741249		STAU2	-0.633256601

ILMN_1245500	NM_170591.1	NUPL1	-0.633668965
ILMN_1219712	NM_016748.1	CTPS	-0.633680621
ILMN_1253996	NM_054089.2	NCOA6IP	-0.634299084
ILMN_2680128	NM_026083.2	ZC3H13	-0.634566868
ILMN_2688822	NM_030087.2	1500032D16RIK	-0.634993867
ILMN_2593532	NM_146000.2	BUD13	-0.635133521
ILMN_2655677	NM_008618.2	MDH1	-0.63522019
ILMN_2641038	NM_013515.1	EPB7.2	-0.635248572
ILMN_2659063	NM_013457.2	ADD1	-0.635323028
ILMN_1215331	NM_148948.2	DICER1	-0.635636654
ILMN_3140071	NM_194054.1	RTN4	-0.635942907
ILMN_2764759	XM_125370.1	DXIMX39E	-0.636124199
ILMN_1216538	NM_021328.3	BIN3	-0.636157348
ILMN_1215919	NM_198724.1	EGFL7	-0.63653993
ILMN_1221348	NM_201642.4	UGT1A7C	-0.636665729
ILMN_2575779		B230333E16RIK	-0.636873339
ILMN_2657124	XM_888318.3	EG623818	-0.637059364
ILMN_2919860	NM_173370.3	CDS1	-0.637333068
ILMN_1226329	NM_010740.3	CD93	-0.637342431
ILMN_2746766	XM_001476699.1	LOC100046393	-0.638129098
ILMN_2435835	NM_025276.3	EVPL	-0.638328387
ILMN_1259185	NM_172991.2	C030048B08RIK	-0.638613879
ILMN_1229609	NM_025594.3	ZMAT2	-0.638886182
ILMN_2450031	AK081191.1	SCL0004020.1_31	-0.639929201
ILMN_1230211		RALGPS1	-0.640171267
ILMN_3163288	NM_198725.1	EGFL7	-0.640292016
ILMN_2492805	AK007474.1	SCL0003949.1_31	-0.640360126
ILMN_1245598	XM_001474956.1	LOC100045890	-0.641242934
ILMN_2882088	NM_145509.1	5430435G22RIK	-0.641568385
ILMN_3085317	NM_029334.1	ZC3H14	-0.641775229
ILMN_2432075		4833420G11RIK	-0.64251181
ILMN_2747641	NM_008446.1	KIF4	-0.642655936
ILMN_2601507	NM_011794.3	BPNT1	-0.643095224
ILMN_2731473	NM_145946.2	FANCI	-0.643517958
ILMN_2765304	NM_199035.1	ALG8	-0.643678842
ILMN_1236349	NM_027946.3	WDR68	-0.643697155
ILMN_2912872	NM_022996.1	NDFIP1	-0.643825189
ILMN_2926480	NM_001024474.2	DIRAS2	-0.644029491
ILMN_1220104	NM_027349.1	2600011C06RIK	-0.64433272
ILMN_2594419	NM_018771.3	GIPC1	-0.644755488
ILMN_2718453	NM_145996.3	ARID5A	-0.644984904
ILMN_2625681	NM_013814.2	GALNT1	-0.645113066
ILMN_3107114	NM_011502.2	STX3	-0.645429304
ILMN_1230604	NM_029609.1	2310007H09RIK	-0.646085336
ILMN_2606015	NM_025607.2	2500002L14RIK	-0.646359515
ILMN_2492377	NM_023230.2	UBE2V1	-0.64710658

ILMN_1252199	NM_007517.3	AUP1	-0.647137339
ILMN_1229755	NM_175653.1	HIST1H3C	-0.647264632
ILMN_2418116	NM_001025438.1	CAMK2D	-0.647757994
ILMN_1223437	NM_001077510.1	GNAS	-0.648138549
ILMN_2668509	NM_017370.1	HP	-0.648596356
ILMN_1235939	NM_144846.4	0910001A06RIK	-0.648673893
ILMN_2592629	NM_025623.2	NIPSNAP3A	-0.6494029
ILMN_2598402	NM_001081009.1	PARP8	-0.650045989
ILMN_2620729	NM_029635.3	COMMD9	-0.651346203
ILMN_3047389	NM_010260.1	GBP2	-0.651369861
ILMN_1226035	NM_024196.3	TBC1D20	-0.651568115
ILMN_2471359	NM_001080134.1	TMPO	-0.653885685
ILMN_2698282	NM_010178.1	FUSIP1	-0.654026365
ILMN_2439089	NM_145628.3	USP11	-0.654215392
ILMN_2426752		F830005D05RIK	-0.654267257
ILMN_2597567	XM_001476583.1	LOC100046608	-0.654603831
ILMN_3104857	NM_026102.2	DAAM1	-0.654925534
ILMN_1223697	NM_001039150.1	CD44	-0.655402987
ILMN_3105205	NM_001039533.1	PDXDC1	-0.655864265
ILMN_2544674		2310045K21RIK	-0.655897818
ILMN_2989480	NM_025853.1	DSN1	-0.655958438
ILMN_1237980		0610010D24RIK	-0.656018441
ILMN_1239384	NM_016883.3	PSMD10	-0.656426519
ILMN_1249762	XM_137113.4	LOC211870	-0.65678341
ILMN_2786764	NM_025887.2	RAB5A	-0.657883387
ILMN_2485774	BC024092.1	SCL0001371.1_19	-0.658433144
ILMN_3163572	NM_001037723.2	ADCY7	-0.658657643
ILMN_1245093	NM_016902.3	NPHP1	-0.658761384
ILMN_2737517	NM_007714.4	CLK4	-0.65907413
ILMN_2620390	NM_028761.3	PARN	-0.659471818
ILMN_2422014	XM_001474539.1	LOC100040353	-0.659523454
ILMN_1215761	NM_019648.3	METAP2	-0.65980836
ILMN_2555438		A930030J18RIK	-0.659988825
ILMN_1216295	NM_009010.4	RAD23A	-0.66038232
ILMN_2463447	NM_013718.2	TRAPPC3	-0.660762216
ILMN_3111334	NM_001005525.1	RSRC2	-0.660847345
ILMN_2733796	NM_144806.1	PRPSAP2	-0.661029236
ILMN_1251846		ARHGAP8	-0.661280029
ILMN_2640742	NM_016786.3	UBE2K	-0.66188665
ILMN_2557635	NM_172457.2	MOBK2A	-0.662105572
ILMN_2987937	NM_018748.3	GOLGA4	-0.662699154
ILMN_2732482	NM_178090.2	DRBP1	-0.663050716
ILMN_2714278	NM_026621.1	2810046M22RIK	-0.663643746
ILMN_2630536	NM_010804.3	MLLT10	-0.663810452
ILMN_2540344	XM_358671.1	LOC381889	-0.664228319
ILMN_2603412	NM_172117.4	ENTPD6	-0.664372367

ILMN_2742345	NM_172490.3	SEPSECS	-0.664505579
ILMN_2997256	NM_026176.2	PDCL	-0.66465321
ILMN_2483405		1190005N23RIK	-0.665186741
ILMN_1220186	NM_054043.3	MSI2	-0.665246559
ILMN_2658931	NM_145527.3	MADD	-0.66579976
ILMN_1223898	XM_192925.3	ITCH	-0.665863501
ILMN_2681311	XM_904433.2	1810007M14RIK	-0.666008729
ILMN_2955020	NM_173394.2	TICAM2	-0.666016267
ILMN_2997406	NM_177305.3	ARL4C	-0.666149699
ILMN_1245448	NM_172598.2	WDHD1	-0.666446933
ILMN_2748839	NM_016714.2	NUP50	-0.666723991
ILMN_2939071	NM_009810.2	CASP3	-0.666955801
ILMN_2748164	NM_013548.2	HIST1H3F	-0.666970003
ILMN_1220165	NM_001037761.1	CAPZB	-0.667006586
ILMN_2433110		IGHV12S1_M22439_IG	-0.66712974
ILMN_1228316	NM_010273.3	GDI1	-0.667637015
ILMN_3135409	NM_207705.1	ELMO2	-0.667961728
ILMN_1244628	NM_026319.2	IFT74	-0.668057451
ILMN_1244148	NM_001081366.1	VPS8	-0.668481041
ILMN_2856157	NM_023418.2	PGAM1	-0.668529402
ILMN_2769490	NM_145509.2	5430435G22RIK	-0.668568884
ILMN_2702464	NM_008027.1	FLOT1	-0.668915306
ILMN_2553710		A430010E21RIK	-0.668991485
ILMN_1247317	NM_009836.1	CCT3	-0.669664628
ILMN_2891065	NM_146698.2	OLFR1443	-0.670579927
ILMN_2497877		2610301N02RIK	-0.670701554
ILMN_2560804		C630044O20RIK	-0.670786123
ILMN_1220530	NM_019710.1	SMC1A	-0.670800022
ILMN_3065816	NM_001039169.1	EIF4E2	-0.671271412
ILMN_3099242	NM_001025566.1	CHKA	-0.671349209
ILMN_2738750	NM_016677.3	HPCAL1	-0.671686811
ILMN_2668808	NM_011484.2	STAM	-0.672764473
ILMN_2945694	NM_013550.3	HIST1H3A	-0.67282134
ILMN_1247199	XM_001476780.1	LOC100046770	-0.67325038
ILMN_1227649	NM_008180.1	GSS	-0.673887924
ILMN_2730729	NM_029607.1	2310003C23RIK	-0.67429515
ILMN_2759944	NM_011203.2	PTPN12	-0.674909369
ILMN_2523903	XM_124187.1	1100001F19RIK	-0.675244012
ILMN_2517611		7530408C15RIK	-0.67547596
ILMN_2570699		D030027P05RIK	-0.675579454
ILMN_2631892	NM_133880.1	PAFAH2	-0.676205644
ILMN_1241952		6230415M23RIK	-0.676700245
ILMN_1234152	NM_019761.5	NXT1	-0.676990869
ILMN_2552170		5830430H09RIK	-0.677109372
ILMN_2959976	NM_011622.2	TOM1	-0.677672206
ILMN_2745037	NM_024191.1	ARL2BP	-0.678005457

ILMN_2668510	NM_017370.1	HP	-0.678128369
ILMN_2758249	NM_029291.1	ASCC2	-0.678155727
ILMN_1259075	NM_138314.2	NME7	-0.678204238
ILMN_2842060	NM_080708.1	BMP2K	-0.678679137
ILMN_1235186	NM_144874.3	COX15	-0.679292533
ILMN_1254717	NM_001080941.1	ZFP429	-0.680079974
ILMN_1240466	NM_178041.1	EIF5	-0.680238107
ILMN_1238691	NM_026177.3	1200011I18RIK	-0.680602749
ILMN_2649067	NM_008390.1	IRF1	-0.680678168
ILMN_1220874	NM_172654.2	5330401P04RIK	-0.681092157
ILMN_1255679	XM_357613.1	LOC384382	-0.681145036
ILMN_1217428	XM_889916.3	EG625349	-0.681151131
ILMN_1244061	NM_016714.2	NUP50	-0.681382658
ILMN_2752790	NM_026960.3	GSDMDC1	-0.681691019
ILMN_2626318	NM_023502.1	ELF2	-0.681983609
ILMN_2701891	NM_010807.3	MARCKSL1	-0.682248871
ILMN_2940394	NM_026113.2	2410016F19RIK	-0.682321434
ILMN_2428301	NM_001042634.1	CLK1	-0.682709692
ILMN_2755804	NM_001029982.1	SEC23IP	-0.682985763
ILMN_1241795	NM_029868.2	GPBP1L1	-0.683007744
ILMN_2718600	NM_010914.2	NFYB	-0.683126357
ILMN_2612350	NM_026959.2	STX18	-0.683196945
ILMN_2625687	NM_013814.2	GALNT1	-0.683347364
ILMN_1241171	NM_013470.1	ANXA3	-0.683547641
ILMN_2539454	XM_001479143.1	LOC100042952	-0.683670067
ILMN_1236793	XR_031092.1	LOC665047	-0.683824761
ILMN_2923607	NM_013750.1	PHLDA3	-0.683980151
ILMN_1241696	NM_013907.2	FBXW4	-0.684701288
ILMN_1241237		5830420C15RIK	-0.684920475
ILMN_2650732	NM_027427.1	TAF15	-0.685098061
ILMN_1216337	NM_001029841.3	SLA	-0.686236979
ILMN_2534151	XM_905096.3	IRGB10	-0.68672244
ILMN_2756046	NM_146187.3	FFAR2	-0.686753326
ILMN_1216091	NM_145940.2	WIPI1	-0.686957631
ILMN_2428798		5031439G07RIK	-0.687010336
ILMN_2614861	NM_177721.3	RANBP6	-0.68713867
ILMN_2705067	NM_026360.2	DDX47	-0.6871841
ILMN_1231803	NM_011806.2	DMTF1	-0.687740341
ILMN_2589219		EPB4.1L2	-0.688088153
ILMN_2464061	NM_019756.2	TUBD1	-0.688647724
ILMN_2730478	NM_181414.5	PIK3C3	-0.688729908
ILMN_1223685	NM_027412.3	TTC9C	-0.68917465
ILMN_2910934	NM_013706.1	CD52	-0.689266788
ILMN_1256950	NM_001082974.1	NEURL2	-0.689358511
ILMN_1245121	NM_178648.2	UBXN8	-0.68940682
ILMN_1252283	NM_054040.2	TULP4	-0.689622659

ILMN_1257333	NM_175149.3	2310022B05RIK	-0.690069248
ILMN_2435079	NM_172700.2	ZMPSTE24	-0.690319535
ILMN_3163044	NM_025942.2	OLA1	-0.691433717
ILMN_2672846	NM_080288.1	ELMO1	-0.69200774
ILMN_2735174	NM_146207.1	CUL4A	-0.692515409
ILMN_2582952		E030030K01RIK	-0.693119387
ILMN_2863390	NM_010184.1	FCER1A	-0.693611252
ILMN_1257268	NM_030675.2	KRIT1	-0.694006273
ILMN_3094743	NM_001080129.1	TMPO	-0.696446184
ILMN_1230051		TRRP2	-0.696799349
ILMN_1248041	NM_009072.2	ROCK2	-0.696898945
ILMN_2456241	NM_001005523.1	RSRC2	-0.697120021
ILMN_3157483	NM_001038642.1	ETS1	-0.697505935
ILMN_2719732	NM_133246.4	MS4A3	-0.697652553
ILMN_2651137	NM_010693.1	LCK	-0.697850668
ILMN_1258991	NM_198703.1	WNK1	-0.698897271
ILMN_1237767	NM_008261.2	HNF4A	-0.699245357
ILMN_2617087	NM_053207.1	EGLN1	-0.699606535
ILMN_2758878	NM_026432.2	TMEM66	-0.700314661
ILMN_2996683	NM_008990.2	PVRL2	-0.700425001
ILMN_3117714	NM_001039214.3	MEX3C	-0.700996134
ILMN_2622671	NM_007981.3	ACSL1	-0.701254895
ILMN_2492161	NM_201357.1	TSSC1	-0.701312899
ILMN_1214950	NM_025282.2	MEF2C	-0.7014638
ILMN_1247062	NM_016681.3	CHEK2	-0.701601668
ILMN_2593293	XM_133979.7	PPFIA1	-0.70162848
ILMN_1230353	NM_009744.3	BCL6	-0.701777806
ILMN_1219904	NM_146173.2	TSPAN33	-0.701842244
ILMN_2655204		APC	-0.701931631
ILMN_1244083	XM_354675.1	ARID4A	-0.702032638
ILMN_1257971	NM_019952.3	CLCF1	-0.70206409
ILMN_1223257	NM_013652.2	CCL4	-0.702549405
ILMN_2606990	NM_023066.2	ASPH	-0.703005268
ILMN_1232225	NM_029988.2	PIGH	-0.703820328
ILMN_1251055	XM_001475449.1	LOC100040961	-0.704422497
ILMN_1220236	NM_007800.1	CTSG	-0.704884238
ILMN_2677595	NM_133762.3	NCAPG2	-0.705835088
ILMN_2657356	NM_010715.2	LIG1	-0.706267797
ILMN_1246446	NM_133807.1	LRRC59	-0.706290154
ILMN_2494707		LOC381232	-0.706333046
ILMN_1254555		SMCX	-0.706899003
ILMN_3099758	NM_028744.1	PI4K2B	-0.707833929
ILMN_2605679	NM_011602.2	TLN1	-0.707867859
ILMN_2525051	XM_147267.1	ATP6A1	-0.708366971
ILMN_2632940		SUMO1	-0.708720347
ILMN_1222865	NM_025770.3	ATG10	-0.708989168

ILMN_3060766	NM_019717.2	ATL2	-0.710180684
ILMN_2487426	NM_175258.3	RAPGEF6	-0.710435553
ILMN_1229589	NM_172582.2	COQ6	-0.710737566
ILMN_2688871	NM_026698.2	TMEM129	-0.71075352
ILMN_1231181	NM_025664.5	SNX9	-0.710969724
ILMN_1250309	NM_001081150.1	LONRF1	-0.711201647
ILMN_2681241	NM_009689.1	BIRC5	-0.711724813
ILMN_1214543	XM_893628.1	LOC628836	-0.71182011
ILMN_2732475	NM_030564.1	RNF34	-0.711918106
ILMN_3139405	NM_001042593.1	HBS1L	-0.712769216
ILMN_3068452	NM_010829.2	MSH3	-0.713469857
ILMN_2552983		A130052C08RIK	-0.713471263
ILMN_2719513	NM_026228.2	SLC39A8	-0.713486901
ILMN_2520380	NM_027315.2	UBE2Q1	-0.714225008
ILMN_1251085		KIF17	-0.714951208
ILMN_2898878	NM_011050.2	PDCD4	-0.714953954
ILMN_3163476	NM_181325.3	SLC25A15	-0.715241095
ILMN_1219333		9830134K01RIK	-0.716259595
ILMN_1215785		BCL10	-0.716607975
ILMN_2626740		TBP	-0.716670261
ILMN_1229238	NM_019758.2	MTCH2	-0.716781371
ILMN_2605556	NM_172935.4	AMDHD2	-0.716817287
ILMN_1235559	NM_001081216.1	PHIP	-0.717454073
ILMN_2725484	NM_011061.1	PADI4	-0.717919877
ILMN_2624100	NM_008390.1	IRF1	-0.718075354
ILMN_2581479	NM_001081363.1	CENPF	-0.718824007
ILMN_3052501	NM_001033126.2	CD27	-0.718938318
ILMN_2639454	NM_021535.3	SMU1	-0.718984866
ILMN_1231447	NM_009415.1	TPI1	-0.719132287
ILMN_2743487		1700009P03RIK	-0.719144956
ILMN_1256052	NM_011317.3	KHDRBS1	-0.719258316
ILMN_2430513	NM_010164.2	EYA1	-0.719729842
ILMN_2717127	NM_172689.3	DDX58	-0.720265854
ILMN_2777836	NM_008580.1	MAP3K5	-0.720784083
ILMN_1239103	NM_026445.2	SUMF2	-0.720820357
ILMN_2766469	NM_145533.1	SMOX	-0.721034862
ILMN_1240380	NM_001014973.1	SNX13	-0.721336719
ILMN_1259436	NM_023605.2	FBXO9	-0.722652455
ILMN_1231573	NM_025429.2	SERPINB1A	-0.72285535
ILMN_1235833	XM_001480577.1	ZFP422-RS1	-0.72310173
ILMN_2760415	NM_013854.1	ABCF1	-0.723300865
ILMN_1221530		ADCY7	-0.723313632
ILMN_1246564	NM_153592.1	ERLIN2	-0.723430701
ILMN_1236008	XM_001475261.1	ISOC2A	-0.723829562
ILMN_1224162	NM_172543.2	5730593F17RIK	-0.724212893
ILMN_2633942	NM_153783.4	PAOX	-0.724249336

ILMN_1239398	XM_001476849.1	LOC100046817	-0.724355974
ILMN_1220974	NM_178640.2	B3GALNT2	-0.724503363
ILMN_2659062		ADD1	-0.72454738
ILMN_1235653	NM_011358.1	SFRS2	-0.725626995
ILMN_2972403	NM_028747.1	0610012H03RIK	-0.725660582
ILMN_1218670		CSNK2A1-RS4	-0.725944191
ILMN_1227901	XR_005107.2	LOC674997	-0.725957594
ILMN_3040050	NM_001077495.1	PIK3R1	-0.727135271
ILMN_2691135	NM_001081175.1	ITPKB	-0.727306659
ILMN_1246471	NM_009431.2	CTR9	-0.728005003
ILMN_2590350	NM_026454.3	UBE2F	-0.729790288
ILMN_2555803	NM_029420.3	GIYD2	-0.729866748
ILMN_1240661		IL18	-0.730019688
ILMN_2429800	NM_009395.3	TNFAIP1	-0.731074266
ILMN_1255400	XM_987602.1	LOC676124	-0.731141772
ILMN_2686603	XM_001477157.1	LOC100046406	-0.731667291
ILMN_2992239	NM_007444.2	AMD2	-0.731671819
ILMN_2724530		PMM2	-0.733002377
ILMN_2974069	NM_144902.3	SLC35A3	-0.733068406
ILMN_1242767	NM_010070.3	DOK1	-0.734143502
ILMN_2628629	NM_009864.2	CDH1	-0.73460664
ILMN_2592779	NM_172871.2	KLHL9	-0.734662236
ILMN_1216015	NM_133708.3	GMPPA	-0.734703475
ILMN_2690460	NM_178394.3	JAKMIP1	-0.734751937
ILMN_2456216		5330403D14RIK	-0.735112576
ILMN_2529900	XM_619387.4	UBXD7	-0.735664074
ILMN_2716014	XR_032582.1	LOC667609	-0.736342888
ILMN_2744789	NM_030560.3	BC003993	-0.738662373
ILMN_2537869	XM_358981.1	LOC385877	-0.739283842
ILMN_2628204	NM_080288.1	ELMO1	-0.739324145
ILMN_2761008	NM_016739.2	CAPRIN1	-0.739888901
ILMN_2605819	NM_028133.1	EGLN3	-0.74034569
ILMN_2724397	NM_020573.1	OSBPL1A	-0.741362348
ILMN_2905717	NM_008533.2	CD180	-0.741737547
ILMN_1257486	NM_001082412.1	MCART6	-0.741914599
ILMN_1246704	NM_178650.3	TBC1D10C	-0.742065042
ILMN_2667384	NM_008135.4	SLC6A9	-0.742242015
ILMN_2695281	NM_133227.2	NUP155	-0.742659435
ILMN_1217041	NM_019388.2	CD86	-0.742749285
ILMN_1229720	NM_023764.3	TOLLIP	-0.743518219
ILMN_2693461	NM_024186.1	SSBP2	-0.743609273
ILMN_1241258		TENS1	-0.743691744
ILMN_3081402	NM_001081293.1	RPRD2	-0.744084797
ILMN_1232000	NM_178637.1	KAT5	-0.744233698
ILMN_3121851	NM_001081458.1	PPP2R5C	-0.744277859
ILMN_3156604	NM_008252.2	HMGB2	-0.744709392

ILMN_2692762	NM_021392.3	AP4M1	-0.745284644
ILMN_1222228	NM_007415.2	PARP1	-0.74593618
ILMN_2707319	NM_145137.2	MGL2	-0.746071986
ILMN_2598520	NM_028611.2	2410091C18RIK	-0.746920277
ILMN_2685234	NM_053262.3	HSD17B11	-0.747102783
ILMN_3071764	NM_001033136.2	1200015F23RIK	-0.747365144
ILMN_2526498	XM_124355.4	LOC230765	-0.747770243
ILMN_1216493	NM_019879.2	SUCLG1	-0.74839004
ILMN_2593143	XM_129913.4	DOCK10	-0.748542283
ILMN_1247864	NM_001013577.1	1110054O05RIK	-0.748921038
ILMN_3151722	NM_019671.2	NET1	-0.748922429
ILMN_2608229	NM_138747.1	NOL1	-0.749601537
ILMN_1235689	NM_001039389.1	WDR37	-0.749952276
ILMN_2633457	NM_172401.2	1110057K04RIK	-0.751438624
ILMN_1237736	NM_175175.3	PLEKHF2	-0.752700274
ILMN_1221341	XR_033502.1	LOC100047226	-0.75319983
ILMN_2749382	NM_172310.1	TARSL2	-0.753451311
ILMN_2598883	NM_178627.3	POLDIP3	-0.753517184
ILMN_2736168	NM_008917.2	PPT1	-0.753707963
ILMN_3092415	NM_153198.1	HBP1	-0.753752914
ILMN_2667784	XM_135859.1	MOSPD1	-0.754245747
ILMN_1247460	NM_133752.2	OPA1	-0.754311933
ILMN_2544890		PDE4B	-0.754356556
ILMN_2626547	NM_016881.2	PMM2	-0.754405569
ILMN_2527895	NM_146231.1	ZFP825	-0.754638557
ILMN_1254837	NM_009005.1	RAB7	-0.7557526
ILMN_2542258	XM_980899.2	EG666009	-0.756251675
ILMN_2485323	NM_133977.2	TRF	-0.756454482
ILMN_2745036	NM_024191.1	ARL2BP	-0.757193378
ILMN_1218067	XM_357564.1	LOC384315	-0.757322354
ILMN_1213617	NM_001038492.1	CTSA	-0.757408363
ILMN_1246126	NM_023858.2	MTMR2	-0.758343169
ILMN_2420505	NM_030559.2	VPS16	-0.758363573
ILMN_2471634	NM_172700.2	ZMPSTE24	-0.758886557
ILMN_1245831	NM_011994.2	ABCD2	-0.758900867
ILMN_1230881		A130090K04RIK	-0.758981511
ILMN_2550040		ZFP99	-0.759474063
ILMN_2709901	NM_183392.2	NUP54	-0.760769783
ILMN_2629993	NM_144525.3	TMEM214	-0.760989375
ILMN_2693459	NM_024186.1	SSBP2	-0.761168282
ILMN_1244272	NM_013813.1	EPB4.1L3	-0.762049523
ILMN_2754795		BC034507	-0.762834447
ILMN_3006534	NM_198609.2	BC003885	-0.762980782
ILMN_1228657	NM_010187.2	FCGR2B	-0.763089669
ILMN_2756486	NM_007472.2	AQP1	-0.763305366
ILMN_3161936	NM_008621.2	MPP1	-0.763399673

ILMN_1251534	NM_172540.1	TRMT2B	-0.764783749
ILMN_3001076	NM_030241.2	SETD8	-0.766380045
ILMN_2457324	NM_201357.1	TSSC1	-0.767141221
ILMN_1216871	NM_008879.3	LCP1	-0.767395292
ILMN_2711401	NM_027532.3	3200002M19RIK	-0.767500165
ILMN_2674924	NM_144844.1	PCCA	-0.768358188
ILMN_2790373	NM_009223.2	SNN	-0.768874742
ILMN_1259424	XM_147215.1	ZFP288	-0.769681245
ILMN_1231390	NM_053159.3	MRPL3	-0.770135777
ILMN_2632942	NM_009460.2	SUMO1	-0.770603559
ILMN_2475376		BC044804	-0.770609857
ILMN_1227353	NM_025857.2	2310007F21RIK	-0.770825056
ILMN_2679770	NM_030116.2	MRPL9	-0.770925765
ILMN_2651706	NM_172442.2	DTX4	-0.771408658
ILMN_1230858		9430065F12RIK	-0.771557668
ILMN_2491469		TENS1	-0.771602199
ILMN_2667190	XM_203357.3	LOC217328	-0.771674464
ILMN_2631763	XM_357637.1	LOC384419	-0.772487208
ILMN_1240830	NM_207215.2	MYCBP2	-0.77415154
ILMN_1250942	NM_183417.2	CDK2	-0.774277125
ILMN_2676606	NM_181848.4	OPTN	-0.774768189
ILMN_2663920	NM_172656.5	SYRADB	-0.775074517
ILMN_1233292		E230020O17RIK	-0.775787004
ILMN_2748321	NM_053269.2	RAD51C	-0.776151864
ILMN_1220313	NM_013818.2	GTPBP1	-0.776989079
ILMN_2666492	NM_173036.2	GPR97	-0.777030885
ILMN_1232740		E130301L11RIK	-0.777370714
ILMN_2694782	XM_134948.5	2410076I21RIK	-0.777723622
ILMN_2599018	NM_013885.2	CLIC4	-0.777820768
ILMN_2721413	NM_153081.2	SLC16A11	-0.77868053
ILMN_2696826		1700065A05RIK	-0.778927988
ILMN_1252719	NM_025375.2	WBSCR22	-0.779243574
ILMN_1230440		1700041B20RIK	-0.779393858
ILMN_2759943	NM_011203.2	PTPN12	-0.77945397
ILMN_2755224	NM_028023.3	CDCA4	-0.779536771
ILMN_3021192	NM_001081094.1	ZNHIT6	-0.780207532
ILMN_1224670	NM_019480.4	EBAG9	-0.7806121
ILMN_1251769	XM_485297.4	EG433643	-0.781320884
ILMN_1238612	NM_030743.5	RNF114	-0.782218721
ILMN_2527837	XM_141432.3	LOC241715	-0.782840396
ILMN_2615575	NM_198642.1	5031414D18RIK	-0.782913106
ILMN_1217642		A430103M24RIK	-0.783564403
ILMN_2632299	NM_010273.3	GDI1	-0.783746635
ILMN_2543834		RFC3	-0.783836095
ILMN_1221684	NM_011327.2	SCP2	-0.784055601
ILMN_2626309	NM_026434.3	RBM18	-0.784106831

ILMN_1258197		D230004N01RIK	-0.784250512
ILMN_1260571	NM_001076554.1	SPNA2	-0.786008145
ILMN_2737826	NM_030147.2	BRD8	-0.787151752
ILMN_2777293	NM_133880.1	PAFAH2	-0.787399392
ILMN_2584490	NM_001081225.1	FAM178A	-0.787678744
ILMN_1257307		E230027K01RIK	-0.788139488
ILMN_2960774	NM_146203.2	ZFP764	-0.788746424
ILMN_2548634		4833416I09RIK	-0.791119743
ILMN_1239065		SLC35A3	-0.791122836
ILMN_2631934	NM_144906.1	SGIP1	-0.792428344
ILMN_1242946	XM_001479142.1	LOC629364	-0.792467871
ILMN_2645074	NM_011615.2	DEDD	-0.793067325
ILMN_2770917		BLVRB	-0.793789528
ILMN_2551339		A430106H13RIK	-0.795091092
ILMN_2530434	XM_128427.3	LOC224532	-0.795608259
ILMN_3135781	NM_013470.1	ANXA3	-0.795813678
ILMN_2676940	NM_020575.2		March7 -0.795994838
ILMN_1226745	NM_029721.1	SNX27	-0.796420862
ILMN_2524723	XM_125812.4	2810470D21RIK	-0.796619798
ILMN_3022428	NM_001080129.1	TMPO	-0.797101741
ILMN_1247407	NM_030241.2	SETD8	-0.797108861
ILMN_2803921	NM_010742.1	LY6D	-0.797194371
ILMN_2678547	NM_008866.2	LYPLA1	-0.797926606
ILMN_1253259	NM_029721.1	SNX27	-0.798117672
ILMN_1219231	NM_001042541.1	AKAP1	-0.79843553
ILMN_3029178	NM_001077189.1	FCGR2B	-0.798618381
ILMN_1229534	NM_027445.1	RNF167	-0.798831335
ILMN_2790382	NM_010278.1	GFI1	-0.799109547
ILMN_1213454	NM_153116.1	GTPBP10	-0.799578953
ILMN_1259198	NM_029626.1	GLT8D1	-0.800451405
ILMN_2754690	NM_025862.2	ACAD8	-0.802457138
ILMN_2588051	NM_023716.1	TUBB2B	-0.802798396
ILMN_2693594	NM_013854.1	ABCF1	-0.803088284
ILMN_1231884	NM_153776.2	TMEM121	-0.803191833
ILMN_2530127	XM_289869.2	LOC333751	-0.803637016
ILMN_3078143	NM_001048148.1	ZGPAT	-0.803860052
ILMN_2533143	XM_134040.5	LOC234081	-0.804386489
ILMN_2615110	NM_025617.2	2210012G02RIK	-0.804740572
ILMN_1235122	XM_001479122.1	LOC100047915	-0.805882434
ILMN_1213975	NM_021530.2	SLC4A8	-0.806817744
ILMN_2428961	NM_133216.2	XPNPEP1	-0.806864124
ILMN_1239784	NM_153116.1	GTPBP10	-0.807187865
ILMN_1231340	XM_126634.3	1110012N22RIK	-0.807801259
ILMN_2518062	NM_001001806.2	ZFP36L2	-0.807804326
ILMN_2745480	NM_010200.2	FGF13	-0.808061395
ILMN_1250182	NM_001081373.1	CEP164	-0.808156503

ILMN_1234324	NM_001033222.2	PDZD8	-0.808440194
ILMN_2432039	NM_198416.1	ZZZ3	-0.808571879
ILMN_2698606	NM_134020.1	TMED4	-0.80999148
ILMN_1220889	NM_008676.1	NBR1	-0.810425749
ILMN_2723997	NM_146218.4	RFWD3	-0.810897246
ILMN_2552900		ADD2	-0.811336689
ILMN_1229847	NM_172382.1	JMJD2A	-0.811630897
ILMN_2572489		E330031I04RIK	-0.812304449
ILMN_1237234	NM_172310.1	TARSL2	-0.812321302
ILMN_2568571		C130079K02RIK	-0.812421661
ILMN_2428963	NM_133216.2	XPNPEP1	-0.812767646
ILMN_1218226	NM_145977.1	SLC45A3	-0.812795516
ILMN_2965903	NM_008230.4	HDC	-0.813230401
ILMN_1219278		E130306F01RIK	-0.813448567
ILMN_3112837	NM_029826.2	HDHD2	-0.813632339
ILMN_2427307	NM_027711.1	IQGAP2	-0.815667024
ILMN_2747456	NM_054102.2	IVNS1ABP	-0.815760566
ILMN_2623526	NM_010849.4	MYC	-0.8160864
ILMN_1254019	NM_011269.1	RHAG	-0.816395284
ILMN_1232998		D830005N24RIK	-0.81641038
ILMN_2662743	NM_009010.4	RAD23A	-0.816604529
ILMN_1245860	NM_024193.2	NOL5A	-0.817169199
ILMN_1260248	NM_133659.2	ERG	-0.817802735
ILMN_2671984	NM_011210.2	PTPRC	-0.818005992
ILMN_2702767	NM_011895.2	SLC35A1	-0.818122236
ILMN_2677047	NM_025878.1	MRPS18B	-0.81828436
ILMN_3105563	NM_172899.2	DMKN	-0.819082058
ILMN_1257653		F630107L03RIK	-0.819161904
ILMN_1232341	NM_172505.1	A730008H23RIK	-0.819308488
ILMN_2527975	XM_122655.5	LOC218696	-0.819455683
ILMN_1243942	NM_009615.5	ADAM17	-0.819516476
ILMN_1220637	NM_001042653.1	OIP5	-0.819526946
ILMN_2725789	NM_011317.3	KHDRBS1	-0.820005468
ILMN_2624286	NM_008395.2	ITCH	-0.820373201
ILMN_2444616	NM_025652.2	GTF3A	-0.820471777
ILMN_1246359	XR_033125.1	LOC100047009	-0.821018714
ILMN_2566501		E130301I04RIK	-0.821324228
ILMN_2524489	XM_128950.4	2310036I02RIK	-0.821673757
ILMN_1248376	NM_029475.1	ADAL	-0.82170534
ILMN_1254257	NM_133768.1	ASL	-0.821749522
ILMN_3045359	NM_008906.3	CTSA	-0.82218662
ILMN_1223045	NM_026515.2	2810417H13RIK	-0.822303018
ILMN_2576336		C130052O15RIK	-0.823057736
ILMN_1216473	NM_029582.2	TXNDC11	-0.823158702
ILMN_1252970	NM_009201.1	SLC1A5	-0.823755149
ILMN_1243621		A130026C10RIK	-0.823832464

ILMN_2493791	XM_001475674.1	LOC100045971	-0.824591115
ILMN_2646230	NM_022994.2	DAP3	-0.824912472
ILMN_1221940	NM_028982.3	8430419L09RIK	-0.825238813
ILMN_2577039	NM_207530.2	OSBPL1A	-0.825918769
ILMN_2636832	NM_029787.2	CYB5R3	-0.826565169
ILMN_1227647	NM_001005523.1	RSRC2	-0.826616593
ILMN_2591502	NM_183306.1	A130052D22	-0.826730495
ILMN_2686132	NM_007398.3	ADA	-0.82740587
ILMN_2668576	NM_175238.5	RIF1	-0.827481746
ILMN_2496121		2600001B17RIK	-0.827769756
ILMN_1244297	NM_138677.2	EDEM1	-0.828824983
ILMN_1252214	NM_021514.3	PFKM	-0.828872832
ILMN_1231332	NM_001081133.2	KIF16B	-0.829019354
ILMN_2756704	NM_145562.2	9130213B05RIK	-0.829964596
ILMN_1254813	NM_009471.2	UMPS	-0.830255581
ILMN_3163486	NM_001033432.3	HECA	-0.830396523
ILMN_1258652		RBBP2	-0.831569707
ILMN_1224780	NM_001039175.1	ELOVL1	-0.83198602
ILMN_1246650	NM_008302.3	HSP90AB1	-0.832177246
ILMN_2672035	NM_027159.1	CCDC115	-0.832324679
ILMN_2711615	NM_008362.1	IL1R1	-0.833015654
ILMN_2755195	NM_019567.2	ACIN1	-0.833611417
ILMN_3094886	NM_001077193.1	ABI1	-0.833611864
ILMN_1215796	XM_001476583.1	LOC100046608	-0.833818417
ILMN_2931096	NM_010515.1	IGF2R	-0.8341816
ILMN_2440814	NM_013673.3	SP100	-0.834602092
ILMN_2683718	NM_028233.2	LRPPRC	-0.835164139
ILMN_2691177	NM_011307.1	UIMC1	-0.836879403
ILMN_2654197	NM_133910.2	TBC1D14	-0.837929351
ILMN_2685569	NM_028304.2	PUS10	-0.838308506
ILMN_3114632	NM_181324.2	DDX6	-0.838312799
ILMN_2890515	NM_008741.1	NSG2	-0.838367176
ILMN_1227401	XM_915565.3	BAZ1A	-0.838716211
ILMN_2822229	NM_172554.1	ZDHHC17	-0.838995578
ILMN_1243473		B930066N23RIK	-0.839690379
ILMN_2445848	NM_013915.3	ZFP238	-0.840029464
ILMN_3042324	NM_001013391.1	CPSF6	-0.841249548
ILMN_2702215	NM_013506.1	EIF4A2	-0.841323462
ILMN_1237003	NM_148673.3	SLU7	-0.841659515
ILMN_1245761	NM_145414.2	NSUN5	-0.841666334
ILMN_2588362	NM_026560.3	CDCA8	-0.841823693
ILMN_1217480	XM_001475418.1	LOC100046080	-0.842047213
ILMN_1247626	NM_020577.2	AS3MT	-0.842975826
ILMN_2594180	NM_001081128.2	MTR	-0.843177755
ILMN_2725402	NM_010941.3	NSDHL	-0.8432563
ILMN_2717569	NM_138668.1	UFSP2	-0.843687823

ILMN_1238069	NM_172450.3	4930539E08RIK	-0.844150918
ILMN_1252514		C920016N10RIK	-0.844530186
ILMN_1221442	XM_135857.4	UTP14A	-0.844698165
ILMN_3134078	NM_021516.1	MARK3	-0.84484028
ILMN_2640239	NM_172574.1	PQLC3	-0.845041482
ILMN_2735080	NM_028768.2	ARMC8	-0.845841161
ILMN_1243080	NM_001001176.1	TAF9B	-0.845860291
ILMN_1215332	XM_122761.3	LOC219145	-0.846345449
ILMN_2617433	NM_007393.1	ACTB	-0.846410957
ILMN_3035162	NM_133220.2	SGK3	-0.847039088
ILMN_1220441	NM_177343.3	CAMK1D	-0.847322143
ILMN_2756286	NM_172585.2	LARP5	-0.848069766
ILMN_2468327		JMJD2A	-0.848324254
ILMN_2641613	NM_009211.2	SMARCC1	-0.848644478
ILMN_1212768	XR_033380.1	LOC545750	-0.849046801
ILMN_1241035	NM_133839.2	2010311D03RIK	-0.849686138
ILMN_1252761	NM_007879.1	DRG1	-0.849797905
ILMN_2686296	XM_354675.1	ARID4A	-0.850472885
ILMN_1246027	NM_016962.1	SPAST	-0.850774397
ILMN_2514631	XM_358429.1	SCL0002315.1_12	-0.851844609
ILMN_2752569	NM_145457.3	PAIP1	-0.85216552
ILMN_2651715	NM_009465.3	AXL	-0.852260039
ILMN_3043669	NM_009192.2	SLA	-0.852878731
ILMN_1218127	XM_484933.5	PCP4L1	-0.853995814
ILMN_2743517	NM_011159.1	PRKDC	-0.854480297
ILMN_1225522	NM_019828.1	TRPC4AP	-0.855048932
ILMN_2886162	NM_001033219.1	SLC45A4	-0.855952027
ILMN_2616422	NM_172398.3	2310005E10RIK	-0.856172045
ILMN_2491859	NM_053273.1	TTYH2	-0.856583537
ILMN_2756957	NM_172291.1	FOXRED1	-0.857022285
ILMN_2631423	NM_207105.2	H2-AB1	-0.857366013
ILMN_2684909	NM_181586.2	SIRT6	-0.858061283
ILMN_2761689		PSEN1	-0.858475377
ILMN_2456730	NM_177823.3	UBASH3A	-0.858825659
ILMN_1217552	NM_009572.3	ZHX1	-0.85883568
ILMN_3154419	NM_133200.3	P2RY14	-0.859091784
ILMN_2742937	NM_021530.2	SLC4A8	-0.859391573
ILMN_1232922	NM_026213.3	TTC33	-0.859760078
ILMN_2666491	NM_173036.2	GPR97	-0.860343494
ILMN_3161500	NM_001033780.2	I830077J02RIK	-0.860408946
ILMN_2621122	NM_180600.2	UBE2Q2	-0.861746075
ILMN_2493851	NM_011750.1	SF1	-0.862049359
ILMN_2626535	NM_148929.2	SLC9A8	-0.862356474
ILMN_2495363	NM_153423.5	WASF2	-0.863278142
ILMN_2694569	XM_982144.1	LOC631037	-0.86330486
ILMN_2482555	NM_152234.1	UBQLN1	-0.863357603

ILMN_2730701	NM_172574.1	PQLC3	-0.863534492
ILMN_2586462		ADPRT2	-0.863567744
ILMN_2726055		SHMT1	-0.863755949
ILMN_2651273	NM_011396.2	SLC22A5	-0.863780406
ILMN_1234126	NM_016893.4	FUT8	-0.863914008
ILMN_2545383		4931433E08RIK	-0.863935772
ILMN_2662192	NM_026240.2	GRAMD3	-0.864111832
ILMN_1254513		4930553M18RIK	-0.864771961
ILMN_2731454	NM_007965.2	EVL	-0.865215113
ILMN_2759945	NM_011203.2	PTPN12	-0.866025601
ILMN_1223363	XM_133979.7	PPFIA1	-0.866603555
ILMN_2734152	NM_033270.1	E2F6	-0.867003099
ILMN_2750098	NM_134078.3	CHMP7	-0.867097245
ILMN_2702703	NM_028230.3	SHMT2	-0.867142259
ILMN_1215341	NM_027166.5	YPEL5	-0.867638571
ILMN_2888144	NM_022880.1	SLC29A1	-0.867997492
ILMN_2625058	NM_133714.4	2310037I24RIK	-0.868468529
ILMN_2645333	NM_010400.2	H60A	-0.868928304
ILMN_2600365	NM_025325.2	HAAO	-0.870157775
ILMN_2730999	NM_139305.2	CAR9	-0.870763416
ILMN_1245789	NM_001037134.1	CCNE2	-0.871953714
ILMN_1212625	NM_001005767.3	PARL	-0.87244453
ILMN_2596907	NM_009358.2	PPP2R5D	-0.873056081
ILMN_1238661	NM_013718.2	TRAPPC3	-0.87367497
ILMN_1230221	NM_133714.4	2310037I24RIK	-0.873841289
ILMN_1231083	XR_035632.1	LOC624083	-0.87452618
ILMN_2545407		4933401P20RIK	-0.875102415
ILMN_2697790	NM_201230.4	FGFR1OP	-0.875406948
ILMN_2715304	NM_026267.1	NECAP1	-0.878153224
ILMN_2736094	NM_020560.1	MRPS31	-0.878377789
ILMN_1214762	NM_177547.3	SGK3	-0.879010734
ILMN_1238102		IDE	-0.879324185
ILMN_2606564	NM_026195.2	ATIC	-0.879610332
ILMN_1231176	NM_053173.2	KIFC1	-0.880287852
ILMN_1219583	NM_009794.1	CAPN2	-0.880792572
ILMN_1215363	AK014004.1	SCL0004029.1_17	-0.881993159
ILMN_2628591	XR_033125.1	LOC100047009	-0.882155211
ILMN_3061663	NM_009277.3	TRIM21	-0.882585112
ILMN_3014257	NM_029334.1	ZC3H14	-0.883176921
ILMN_2477213	XM_001473915.1	LOC100045240	-0.884389188
ILMN_2588663	NM_029582.2	TXNDC11	-0.884811189
ILMN_1246790	NM_007690.2	CHD1	-0.885213778
ILMN_2422743		TOR3A	-0.885327744
ILMN_1229383		ATP8B4	-0.885667724
ILMN_1217389	NM_001039050.1	PKIB	-0.885853292
ILMN_1230667	NM_029705.2	ATXN3	-0.886013934

ILMN_2960822	NM_001008551.1	BC085271	-0.887087858
ILMN_2537734	XM_358812.1	LOC385632	-0.887528812
ILMN_1221892		C130064E22RIK	-0.887822168
ILMN_3138674	NM_009637.3	AEBP2	-0.889317137
ILMN_2649068	NM_008390.1	IRF1	-0.889413417
ILMN_1213958	NM_009147.2	SEC23A	-0.889554408
ILMN_2591342	NM_144869.2	BC021614	-0.889557747
ILMN_2659108	NM_146081.1	PPP4R1	-0.890209133
ILMN_2667618	NM_017478.2	COPG2	-0.890625446
ILMN_1244239		BC027246	-0.891161379
ILMN_1226334		MRPS18B	-0.891281405
ILMN_2669034	NM_013853.1	ABCF2	-0.891637027
ILMN_1249269	NM_145412.3	5830457O10RIK	-0.892835657
ILMN_3139875	NM_012006.2	ACOT1	-0.893019843
ILMN_3084087	NM_001039511.1	IVNS1ABP	-0.893185754
ILMN_2778043	NM_010708.1	LGALS9	-0.893650641
ILMN_2761128	NM_001081960.1	CLASP2	-0.893901604
ILMN_2628567	NM_013750.1	PHLDA3	-0.893940158
ILMN_1256103	NM_173763.3	CCBL2	-0.894953997
ILMN_2616801	NR_002888.2	VMN2R-PS14	-0.895758554
ILMN_1227862	NM_001081345.1	CHD2	-0.896043465
ILMN_2675523	NM_026232.3	SLC25A30	-0.897371382
ILMN_1228534	NM_007998.5	FECH	-0.89752158
ILMN_1234329		1300006C19RIK	-0.897960239
ILMN_2747070	NM_010236.1	FPGS	-0.898127764
ILMN_3041839	NM_024221.3	PDHB	-0.898129386
ILMN_2752009	NM_008565.2	MCM4	-0.898430418
ILMN_2459219	NM_025325.2	HAAO	-0.898735628
ILMN_1244600	NM_001040396.2	2810407C02RIK	-0.898842018
ILMN_1227324	NM_011159.2	PRKDC	-0.898890877
ILMN_1235735	NM_023908.2	SLCO3A1	-0.89903281
ILMN_2749955	NM_028018.1	2400003C14RIK	-0.89919859
ILMN_2646891	XM_001001363.1	CENTD1	-0.899243364
ILMN_3029953	NM_145556.3	TARDBP	-0.900948688
ILMN_3142440	NM_019565.3	ZFP386	-0.901004028
ILMN_2434811	AK053156.1	SCL0002720.1_68	-0.901032606
ILMN_2502471	XM_994662.1	BC023892	-0.901699331
ILMN_2619773		PEBP2AB	-0.902062453
ILMN_3154869	NM_212450.1	CTDSPL2	-0.90228387
ILMN_1255902		2500002A22RIK	-0.90234767
ILMN_3006790	NM_152803.3	HPSE	-0.904505514
ILMN_2651197	NM_011203.2	PTPN12	-0.905805912
ILMN_1260070	NM_029475.1	ADAL	-0.906312791
ILMN_2594521	NM_010941.3	NSDHL	-0.907298346
ILMN_1247582	NM_015782.2	SNRPA	-0.907552458
ILMN_2648704	NM_198429.1	NFATC1	-0.908184136

ILMN_1249749	NM_010948.1	NUDC	-0.908957352
ILMN_1220049	AK041119.1	SCL0001534.1_16	-0.909037491
ILMN_2523844	NM_009628.2	ADNP	-0.909698224
ILMN_2617090	NM_053207.1	EGLN1	-0.910165163
ILMN_2961042	NM_001081202.1	L1TD1	-0.910284416
ILMN_2594525	NM_010941.3	NSDHL	-0.910777472
ILMN_2497581	NM_010931.2	UHRF1	-0.910913936
ILMN_2440125		USMG3	-0.911322559
ILMN_1218353	XM_354599.1	1500041B16RIK	-0.911400371
ILMN_3046836	NM_011507.1	SUCLG2	-0.911795141
ILMN_2527129	XM_287286.2	LOC329750	-0.911960186
ILMN_3004177	NM_027918.1	1300017J02RIK	-0.912005194
ILMN_2671829	NM_146091.3	ATL3	-0.912397734
ILMN_1239878	NM_178372.2	PRSS34	-0.912716233
ILMN_2654003	XM_128698.5	2610024N24RIK	-0.913098448
ILMN_3109728	NM_172264.1	CHDH	-0.913234976
ILMN_1252488	NM_020257.1	CLEC2I	-0.913440235
ILMN_2673768	NM_029839.2	TRUB1	-0.914355515
ILMN_2575324	NM_001081282.1	IBTK	-0.914652396
ILMN_2608052	NM_145533.1	SMOX	-0.915249602
ILMN_2753226		RAD51AP1	-0.915302216
ILMN_1239110	NM_007907.1	EEF2	-0.915490696
ILMN_1233348	NM_133687.2	CXXC5	-0.916232495
ILMN_2750265	NM_080288.1	ELMO1	-0.916464327
ILMN_1254564		3830432E14RIK	-0.917457743
ILMN_2665364	NM_177547.2	SGK3	-0.918267815
ILMN_1250136	XR_034042.1	LOC433943	-0.920328294
ILMN_2612738	NM_026504.2	COQ5	-0.920497949
ILMN_3045217	NM_001081340.1	SETD2	-0.921180208
ILMN_1257510	XM_001479207.1	LOC100042970	-0.923035822
ILMN_1256085		IL10RB	-0.923122906
ILMN_1232195	NM_152808.2	SLC44A2	-0.923218769
ILMN_2707400	NM_010561.1	ILF3	-0.923614815
ILMN_2649828	NM_011949.2	MAPK1	-0.924421187
ILMN_1225532	XM_903562.1	EG386506	-0.924464129
ILMN_1244530		E330011I20RIK	-0.925201967
ILMN_1231873	NM_019770.2	TMED2	-0.925933282
ILMN_1230273	NM_009531.2	XPC	-0.927262615
ILMN_2686327	NM_019521.2	GAS6	-0.928147366
ILMN_1221204	NM_011847.1	DNAJB6	-0.928760744
ILMN_3154007	NM_201244.1	COPG	-0.928825692
ILMN_2494397	NM_001039158.1	UBE2J2	-0.929010859
ILMN_2615035	NM_025569.1	MGST3	-0.929364262
ILMN_2550291		2310032M22RIK	-0.931257465
ILMN_2605566	NM_001085408.1	SDCCAG3	-0.933222852
ILMN_1231072		A630082K20RIK	-0.933483222

ILMN_1245795	NM_145542.3	AHCYL1	-0.933508001
ILMN_1227920	NM_018736.2	MRE11A	-0.934131126
ILMN_2751539	NM_001098227.1	SDCBP	-0.935383417
ILMN_2692484		KLHL5	-0.935439437
ILMN_2578773		C230091E03RIK	-0.93572573
ILMN_2860242	NM_029436.3	KLHL24	-0.935879765
ILMN_2482026	NM_025985.4	UBE2G1	-0.93607961
ILMN_2637792	NM_009968.1	CRYZ	-0.937633677
ILMN_2776431	NM_007572.2	C1QA	-0.93814672
ILMN_1238094	NM_178667.3	TFDP2	-0.939071142
ILMN_1240728	NM_172628.2	SH3TC2	-0.939554105
ILMN_1219914	XM_485435.3	LOC433749	-0.940480143
ILMN_2504544		MT-ND5	-0.940559033
ILMN_2606567	NM_026195.1	ATIC	-0.9406245
ILMN_3129825	NM_001039078.2	PROSC	-0.941453038
ILMN_2499058	NM_011665.3	UBE2I	-0.941759235
ILMN_3032560	NM_008202.2	SLC39A7	-0.941780608
ILMN_2755258	NM_007834.2	DSCR3	-0.941922035
ILMN_2707198	NM_020577.1	AS3MT	-0.94239016
ILMN_1233733	NM_008302.3	HSP90AB1	-0.943038502
ILMN_2600198	NM_153416.1	AAAS	-0.943374556
ILMN_2616497	NM_130881.2	PABPC4	-0.943856161
ILMN_2944546	NM_146218.2	RFWD3	-0.944778312
ILMN_2653696		ABCD3	-0.945120582
ILMN_3060454	NM_001080774.1	MYO1C	-0.945397084
ILMN_1258242	NM_026507.2	2310031L18RIK	-0.94600852
ILMN_1215336	XM_001480577.1	ZFP422-RS1	-0.946735188
ILMN_2696199	NM_054057.1	PROSC	-0.94790126
ILMN_1241915	NM_008714.2	NOTCH1	-0.948694019
ILMN_2506144	NM_019806.5	VAPB	-0.949236544
ILMN_2692482		KLHL5	-0.950960591
ILMN_1249680	NM_080288.1	ELMO1	-0.951023637
ILMN_2429754	NM_030743.3	ZFP313	-0.951477868
ILMN_2745055	NM_080288.1	ELMO1	-0.955504996
ILMN_2753323	NM_145625.1	EIF4B	-0.955560715
ILMN_1238479	NM_025569.1	MGST3	-0.957418005
ILMN_1250472	NM_080288.1	ELMO1	-0.959005556
ILMN_1240406		D130059O18RIK	-0.959415571
ILMN_1231851	NM_008813.3	ENPP1	-0.960353243
ILMN_2768053	NM_033618.3	SUPT16H	-0.960884061
ILMN_2832608	NM_027534.1	FVT1	-0.961236434
ILMN_3115640	NM_029320.2	PIBF1	-0.961412543
ILMN_2763602	NM_021500.2	MAEA	-0.962089897
ILMN_2541035	XM_358686.1	LOC381996	-0.963274964
ILMN_1225876	NM_152822.2	LAS1L	-0.963449863
ILMN_2771349	NM_021446.2	0610007P14RIK	-0.963507866

ILMN_2511401	NM_025924.2	UPF3A	-0.964630352
ILMN_2609197	NM_133219.1	GCNT2	-0.964919042
ILMN_2590349		2510010F15RIK	-0.965834482
ILMN_1218668	NM_007594.3	CALU	-0.966097088
ILMN_1237527	NM_021525.2	RCL1	-0.966179364
ILMN_2491860	NM_053273.2	TTYH2	-0.966248323
ILMN_2625645	XM_358313.1	BC018507	-0.967949106
ILMN_1222385	NM_145436.2	CDC27	-0.968418583
ILMN_2452255	XM_001002526.2	IRF2BP2	-0.968469006
ILMN_2716527	NM_207692.1	MAPK9	-0.969254478
ILMN_1242714	NM_001004436.3	WAPAL	-0.969685909
ILMN_1233060	NM_001081321.1	PDS5A	-0.969750102
ILMN_1234999	XM_916605.2	CENPF	-0.969772376
ILMN_2550952		IK	-0.96980587
ILMN_2746075	NM_027874.2	CSNK1D	-0.969899719
ILMN_2661107	NM_178050.3	ATL2	-0.969939224
ILMN_2529953	XM_925022.2	GM1752	-0.970415528
ILMN_1220022	NM_153783.4	PAOX	-0.970443974
ILMN_2542048	XM_356566.1	LOC382555	-0.972427907
ILMN_2588055	NM_007393.3	ACTB	-0.972497089
ILMN_2549077		4930512K19RIK	-0.972982192
ILMN_3061070	NM_020520.2	SLC25A20	-0.973838789
ILMN_2591627	NM_145627.1	RBM10	-0.976627407
ILMN_1219200	NM_133200.3	P2RY14	-0.976917804
ILMN_1215125	NM_001081070.1	PDIA2	-0.978238494
ILMN_1255898	NM_026746.2	NSMCE2	-0.978973485
ILMN_2733380	NM_153680.2	SNX17	-0.979148493
ILMN_1252838		MDM4	-0.979749168
ILMN_1233545	NM_029999.3	LBH	-0.980091475
ILMN_2537961	XM_358862.1	LOC385659	-0.980564083
ILMN_2571616		C430002D13RIK	-0.981155179
ILMN_2426818	AK046853.1	SCL0003723.1_3	-0.9813605
ILMN_1225931	NM_172300.2	D11MOH35	-0.981558794
ILMN_1237151	NM_172291.1	FOXRED1	-0.981987523
ILMN_1220586	NM_133905.2	PAPD4	-0.982493131
ILMN_1242202		9430090I01RIK	-0.982974265
ILMN_2952779	NM_024170.1	CXX1A	-0.983482476
ILMN_2813286	NM_029705.1	ATXN3	-0.984154644
ILMN_1226111	XM_001481017.1	LOC100043821	-0.984602522
ILMN_3160750	NM_001004174.1	AA467197	-0.984993939
ILMN_1236693		BFAR	-0.985605302
ILMN_2742778	NM_028032.1	PPP2R2A	-0.985849128
ILMN_1252294	NM_007907.1	EEF2	-0.986529325
ILMN_2531515	XM_355131.1	LOC381200	-0.986565546
ILMN_2445477	NM_011710.2	WARS	-0.987065663
ILMN_2829457	NM_010876.2	NCF1	-0.988409524

ILMN_3064941	NM_001077363.1	PTBP1	-0.988516316
ILMN_2500370		9430080K19RIK	-0.988847538
ILMN_1228007	XM_001481328.1	DDX10	-0.988900255
ILMN_2506499	NM_001033962.1	UBE3A	-0.989102254
ILMN_2435584	AK050665.1	SCL0001978.1_6	-0.989484734
ILMN_1242427		6720458D17RIK	-0.992411029
ILMN_1222149		C130021K03RIK	-0.992755159
ILMN_2685309	NM_181854.1	ZFP828	-0.993758093
ILMN_2635105	NM_138314.2	NME7	-0.993882125
ILMN_2713039	NM_026213.3	TTC33	-0.994056481
ILMN_1238908	XM_358241.1	LOC385461	-0.994413691
ILMN_2640346	NM_028808.2	P2RY13	-0.995571739
ILMN_1242700	NM_029701.1	SPCS3	-0.996065002
ILMN_2483786		1110004P21RIK	-0.996174995
ILMN_2633697	NM_145468.1	SKP2	-0.996921681
ILMN_3162658	NM_029736.1	SLC10A7	-0.997054374
ILMN_2851040	NM_008563.2	MCM3	-0.997511531
ILMN_3118071	NM_001042502.1	PITX2	-0.997975785
ILMN_2590482	NM_029977.1	POLQ	-0.99829647
ILMN_1258550		RAD51AP1	-0.998616908
ILMN_2678828	NM_181582.3	EIF5A	-0.999087991
ILMN_2763871	NM_019973.2	SON	-0.999478234
ILMN_2726261	NM_080288.1	ELMO1	-1.000289907
ILMN_2661367	NM_021395.2	HYOU1	-1.000838888
ILMN_2625993	NM_010913.1	NFYA	-1.001183464
ILMN_1215781	NM_080288.1	ELMO1	-1.001962114
ILMN_2988199	NM_001033435.1	GM885	-1.002072721
ILMN_2764727	NM_033268.2	ACTN2	-1.002261661
ILMN_2768026	NM_010368.1	GUSB	-1.003541245
ILMN_2701035	NM_026453.3	MAK16	-1.006434282
ILMN_2629748	NM_007842.1	DHX9	-1.00934407
ILMN_3096701	NM_001039129.1	HNRPA1	-1.009531294
ILMN_2529252	XM_355458.1	LOC381501	-1.009662491
ILMN_2417540	NM_153538.2	ZCCHC6	-1.010579122
ILMN_1238654	NM_027352.3	GORASP2	-1.011594484
ILMN_2672997	NM_145510.1	RABIF	-1.013954182
ILMN_2694092	NM_145145.1	POMT1	-1.015534776
ILMN_2709681	NM_133808.4	HDLBP	-1.01559186
ILMN_1251296	NM_023502.1	ELF2	-1.016466372
ILMN_1252689	NM_023220.1	2010106G01RIK	-1.016991583
ILMN_1259754	NM_011278.3	RNF4	-1.018874733
ILMN_1246038	NM_144791.1	TOR1AIP1	-1.022039762
ILMN_2893564	NM_001033144.1	1190007F08RIK	-1.022535076
ILMN_3127411	NM_001081195.1	ARID4A	-1.022854413
ILMN_1250000	NM_019769.2	1500003O03RIK	-1.022989078
ILMN_2593148	NM_009201.2	SLC1A5	-1.023776935

ILMN_1240247	NM_027184.1	IPMK	-1.023939538
ILMN_2635491	NM_133905.1	PAPD4	-1.025079892
ILMN_1219467		4833441B18RIK	-1.025680101
ILMN_3055904	NM_001076789.1	CBX5	-1.025787015
ILMN_2683586	NM_009794.2	CAPN2	-1.026872085
ILMN_2982143	NM_001033222.1	PDZD8	-1.028517552
ILMN_3062267	NM_012006.2	ACOT1	-1.028796035
ILMN_2852034	NM_010431.1	HIF1A	-1.028889005
ILMN_2942314	NM_027341.1	2310047C04RIK	-1.029257899
ILMN_1230878	NM_010395.5	H2-T10	-1.029574054
ILMN_1237466	XM_001003781.1	LOC677008	-1.029648857
ILMN_2606072	NM_010472.2	AGFG1	-1.029685448
ILMN_1215632	NM_010807.3	MARCKSL1	-1.02982222
ILMN_2790181	NM_016966.3	PHGDH	-1.030355108
ILMN_3022895	NM_026120.4	2410127L17RIK	-1.030387159
ILMN_1259133		9430088P09RIK	-1.030655899
ILMN_1243183		2510003D18RIK	-1.031046568
ILMN_3064134	NM_177588.2	THNSL1	-1.031824896
ILMN_1255317		ARNT	-1.03199184
ILMN_2708895		STK3	-1.032338295
ILMN_2628188	NM_026218.2	FGFR1OP2	-1.034193991
ILMN_2695528	NM_134020.1	TMED4	-1.034323128
ILMN_1216972	NM_019948.2	CLEC4E	-1.035231079
ILMN_2692989	NM_182994.1	2810410P22RIK	-1.03664939
ILMN_3127739	NM_153053.3	SF3B4	-1.037925064
ILMN_1234997		CRRY	-1.04004686
ILMN_1233380	XM_358815.1	LOC385634	-1.040254504
ILMN_2457854		B230308N11RIK	-1.040278692
ILMN_1256671	NM_021510.2	HNRNPH1	-1.04047013
ILMN_1254935	NM_178684.5	MAPK1IP1L	-1.04098519
ILMN_1257393		PER3	-1.042814471
ILMN_1226240	NM_016902.3	NPHP1	-1.042930328
ILMN_2958410	NM_019635.2	STK3	-1.045400603
ILMN_2770528		MTHFD1	-1.046607374
ILMN_2525799	NM_207000.2	H2AFY2	-1.046742013
ILMN_1237993	NM_016777.3	NASP	-1.047545813
ILMN_2767113	NM_009372.2	TGIF1	-1.047609948
ILMN_2711112	NM_011369.2	SHCBP1	-1.048167884
ILMN_2958912	NM_001079824.1	HNRNPH3	-1.049132265
ILMN_2663114	NM_145468.1	SKP2	-1.049422198
ILMN_2687744	NM_027445.1	RNF167	-1.050169393
ILMN_2589181	NM_007907.1	EEF2	-1.050269137
ILMN_2610771	NM_001047159.1	NET1	-1.050667191
ILMN_2464573	NM_178589.3	TNFRSF21	-1.051801337
ILMN_1232189	XM_284494.5	DDX10	-1.05221477
ILMN_2846865	NM_007393.1	ACTB	-1.053067787

ILMN_2531259	XR_033415.1	LOC626309	-1.053937671
ILMN_1228804		A430106G13RIK	-1.054290769
ILMN_1220261	NM_146010.1	TSPAN8	-1.054685438
ILMN_2421064		GTF3C4	-1.054751538
ILMN_1249522	NM_013853.1	ABCF2	-1.055040377
ILMN_3059476	NM_001013370.1	SESN1	-1.056661128
ILMN_1260233	NM_183390.1	KLHL6	-1.058087557
ILMN_2803920	NM_010742.1	LY6D	-1.059182869
ILMN_1238463	NM_181815.2	4930534B04RIK	-1.059411217
ILMN_1225818		TIA1	-1.05978738
ILMN_1246346		B230107H12RIK	-1.060854557
ILMN_2699665	XM_284386.5	CD209F	-1.063973892
ILMN_2753314	XM_283757.2	GTL7	-1.064752721
ILMN_2729953	NM_011151.1	PPM1B	-1.066744727
ILMN_1221943	NM_022324.2	SDF2L1	-1.067446197
ILMN_1249688	NM_027206.2	TNFAIP8L2	-1.068128924
ILMN_2707399	NM_010561.1	ILF3	-1.068247395
ILMN_2720229	NM_010721.1	LMNB1	-1.068553321
ILMN_2966162	NM_178936.3	TMEM56	-1.068937213
ILMN_1228139	NM_011937.1	GNPDA1	-1.072046839
ILMN_2527000	XM_124040.3	LOC229274	-1.072735843
ILMN_2670690	NM_010389.3	H2-OB	-1.073952072
ILMN_2710731	NM_007998.5	FECH	-1.074567745
ILMN_2844097	NM_183186.2	FOXN3	-1.074811134
ILMN_2704826		ACAA2	-1.076137454
ILMN_1234319	NM_010761.2	CCNDBP1	-1.076876529
ILMN_1231392	NM_010790.2	MELK	-1.077507786
ILMN_2703585	NM_008095.3	GBAS	-1.078651137
ILMN_2629982	NM_001039202.1	HDHD2	-1.078736322
ILMN_2742626	NM_011462.1	SPIN	-1.080119041
ILMN_2772274	NM_001079694.1	SFRS5	-1.080284233
ILMN_2444316	NM_022314.2	TPM3	-1.081013213
ILMN_2590638	NM_009754.2	BCL2L11	-1.081454921
ILMN_2663555	NM_023906.3	ASB3	-1.081668061
ILMN_1215280	XM_128487.2	LOC224732	-1.081724426
ILMN_2648230		KARS	-1.082826083
ILMN_2441850	AK050226.1	SCL0002337.1_39	-1.084162517
ILMN_2544603		2610015J01RIK	-1.084506494
ILMN_2690077	NM_023317.1	NDE1	-1.084911902
ILMN_2704823	NM_177470.3	ACAA2	-1.085268077
ILMN_1251631		EIF5A	-1.085714975
ILMN_2991799	NM_007753.1	CPA3	-1.086222249
ILMN_2591626	NM_145627.1	RBM10	-1.086534325
ILMN_1224433	NM_138594.3	D6WSU163E	-1.086616385
ILMN_1234698	NM_027533.2	TSPAN2	-1.087097483
ILMN_2969172	NM_173734.2	TMEM87A	-1.08815194

ILMN_1226520	NM_009640.3	ANGPT1	-1.090884676
ILMN_2732476	NM_030564.1	RNF34	-1.092627005
ILMN_2580847		1810062O14RIK	-1.092686595
ILMN_1219262	NM_144873.2	UHRF2	-1.093069025
ILMN_2521065	NM_009408.2	TOP1	-1.094010776
ILMN_2670959	NM_009224.4	SNRP70	-1.094558375
ILMN_1253779	NM_030715.3	POLH	-1.096620566
ILMN_2612096	NM_172735.2	ZC3HC1	-1.098110711
ILMN_2962565	NM_001033539.2	BEX6	-1.098549473
ILMN_1235399	NM_008572.1	MCPT8	-1.099608259
ILMN_1246060	NM_172871.2	KLHL9	-1.100012118
ILMN_2829171	NM_133834.1	HNRNPF	-1.100035105
ILMN_2930203	NM_201641.1	UGT1A10	-1.100235203
ILMN_2451718	NM_027976.2	ACSL5	-1.10040506
ILMN_2688923	NM_021510.2	HNRNPH1	-1.101386557
ILMN_1243291	NM_008974.2	PTP4A2	-1.10146146
ILMN_2755434	NM_026507.2	2310031L18RIK	-1.101659899
ILMN_2678466	NM_009443.3	TGOLN1	-1.103292444
ILMN_2695526	NM_134020.1	TMED4	-1.103314035
ILMN_2711754	NM_172291.1	FOXRED1	-1.103703267
ILMN_2742675	NM_009071.2	ROCK1	-1.10429127
ILMN_1218148	XM_914676.2	BDP1	-1.105406412
ILMN_2531281	XM_195069.2	LOC271490	-1.106150989
ILMN_1251876		SRPK2	-1.108187568
ILMN_2713686	NM_134021.2	PNPO	-1.10831908
ILMN_2694758	NM_133766.3	EFR3A	-1.108884154
ILMN_2609590	NM_007753.1	CPA3	-1.109393666
ILMN_1244851	NM_027604.3	USP15	-1.109666482
ILMN_2721149	NM_177337.3	ARL11	-1.113088193
ILMN_1217577	NM_172592.2	SFRS12	-1.113469775
ILMN_2704822		ACAA2	-1.11361944
ILMN_1245389	NR_003517.1	LOC236604	-1.115147704
ILMN_1239773		ECT2	-1.115171357
ILMN_1223539	NM_001001491.1	TPM4	-1.115947025
ILMN_1258813	NM_175193.5	GOLIM4	-1.116084799
ILMN_1221102	NM_182994.2	ARL5A	-1.117204233
ILMN_3163340	NM_153405.2	RBM45	-1.117809412
ILMN_1220726	NM_009122.1	SATB1	-1.120481642
ILMN_2647282	NM_008974.3	PTP4A2	-1.122994776
ILMN_2758969	NM_007841.3	DDX6	-1.123716829
ILMN_3031781	NM_023598.2	ARID5B	-1.12477062
ILMN_1244891	NM_009977.2	CST7	-1.12691029
ILMN_1215465	NM_177326.2	PAK2	-1.127420121
ILMN_1246473	NM_001081636.1	CCND3	-1.127720033
ILMN_1220416	NM_026654.2	TOE1	-1.128316763
ILMN_1236599	XR_032463.1	LOC546090	-1.129112925

ILMN_1253985		A330021D07RIK	-1.129382909
ILMN_2664491		SNX2	-1.130976626
ILMN_2450590	NM_053170.2	TRIM33	-1.131047142
ILMN_3073406	NM_134038.2	SLC16A6	-1.131315946
ILMN_2582964		E030040J22RIK	-1.131712037
ILMN_1215209	NM_019948.1	CLECSF9	-1.132354007
ILMN_2719888	NM_013716.2	G3BP1	-1.132636596
ILMN_1226819	NM_009318.1	TAPBP	-1.133573258
ILMN_2629657	NM_139117.2	CSDA	-1.135186272
ILMN_2466692		TEX10	-1.135398226
ILMN_1247533		A230013K13RIK	-1.135406005
ILMN_1243704	NM_008016.1	FIN15	-1.135692737
ILMN_2715319	NM_008548.4	MAN1A	-1.137464753
ILMN_2663230	NM_023908.2	SLCO3A1	-1.138848443
ILMN_2464253	NM_007395.3	ACVR1B	-1.141261468
ILMN_1245987	NM_025279.2	HNRNPK	-1.141341382
ILMN_2691815	NM_011816.3	G3BP2	-1.141936959
ILMN_1258846	NM_178610.3	KRR1	-1.142656152
ILMN_1214110	NM_021419.1	RNF8	-1.143024879
ILMN_1223954	NM_019418.2	TNFSF14	-1.143063761
ILMN_1231810	NM_009455.3	UBE2E1	-1.143085364
ILMN_2738865	NM_009186.4	SFRS10	-1.143323904
ILMN_2711688	NM_007421.1	ADSSL1	-1.143974643
ILMN_1224932		E430003D02RIK	-1.145837567
ILMN_2717176	NM_016846.3	RGL1	-1.14607839
ILMN_2529896	XM_283332.1	LOC328660	-1.147273883
ILMN_1252545	NM_008635.1	MTAP7	-1.14769166
ILMN_1242378	XM_975051.2	AI848100	-1.150639801
ILMN_2669280	NM_145537.1	EDEM2	-1.152940863
ILMN_3116935	NM_177584.3	BTLA	-1.154207676
ILMN_2636339	NM_008394.2	IRF9	-1.154846726
ILMN_2706514	XM_001476583.1	LOC100046608	-1.155187926
ILMN_1226766		B430320J11RIK	-1.155327797
ILMN_2529432	XM_194577.3	LOC270491	-1.155931728
ILMN_2667144	NM_172456.2	ENDOGL1	-1.156877526
ILMN_1240428		SATB1	-1.157645036
ILMN_2680648	NM_027435.2	ATAD2	-1.15802928
ILMN_2965660	NM_133237.2	APCDD1	-1.159972084
ILMN_1220795		6430514E13RIK	-1.161716438
ILMN_2724303	NM_029766.2	DTL	-1.163257144
ILMN_2813284	NM_029705.1	ATXN3	-1.163389658
ILMN_1214659	XM_001472244.1	EG633692	-1.163850356
ILMN_1225861	NM_026876.2	1190005F20RIK	-1.164067305
ILMN_2753444	NM_011505.1	STXBP4	-1.1646994
ILMN_2710449	NM_024223.1	CRIP2	-1.16476293
ILMN_1216204	NM_016776.2	MYBBP1A	-1.165768324

ILMN_1221467	NM_145964.2	BC002199	-1.168253724
ILMN_1243996	NM_138679.5	ASH1L	-1.168996604
ILMN_1232186	NM_011677.2	UNG	-1.169369712
ILMN_2533689	XM_121997.2	LOC215879	-1.170018632
ILMN_1216898		KIT	-1.170421512
ILMN_2670507	NM_011237.2	RAD9	-1.171024758
ILMN_2776585	NM_009201.2	SLC1A5	-1.171419748
ILMN_2921163	NM_001081267.1	RSF1	-1.172135051
ILMN_1236637	NM_053170.2	TRIM33	-1.173220267
ILMN_2672798	NM_080554.2	PSMD5	-1.17329507
ILMN_2515273	NM_011978.2	SLC27A2	-1.173382299
ILMN_1254231	NM_011675.1	UCK1	-1.173588644
ILMN_2456769	AK021284.1	SCL0004085.1_27	-1.173666698
ILMN_1215722	NM_028031.1	ZDHHC13	-1.181930019
ILMN_2655395	NM_153116.1	GTPBP10	-1.182440639
ILMN_2727967	NM_026665.2	CEP57	-1.183145137
ILMN_2863060	NM_001033259.1	CCDC109A	-1.188309151
ILMN_3011214	NM_011600.2	TLE4	-1.189318126
ILMN_2629165	NM_025888.2	2410004N11RIK	-1.191294622
ILMN_1221266	NM_198683.1	CUGBP1	-1.192019349
ILMN_1255419		ZFPN1A1	-1.192819458
ILMN_1225535	NM_008060.1	GANAB	-1.192978476
ILMN_1232851	NM_024448.2	RAB12	-1.194494414
ILMN_2645390	NM_177326.2	PAK2	-1.197000785
ILMN_2602115	NM_145605.1	KLHDC4	-1.197575962
ILMN_2719131	NM_026476.1	2610101N10RIK	-1.198866271
ILMN_1222249	XM_914270.2	CNOT1	-1.199738412
ILMN_3018758	NM_019584.2	BECN1	-1.200259432
ILMN_1256122		HDC	-1.200409573
ILMN_2657575	NM_007941.1	STX2	-1.203828673
ILMN_1259989	NM_001033988.1	NCOA4	-1.204814351
ILMN_2788073	NM_010442.1	HMOX1	-1.206995215
ILMN_1214944	XM_131754.7	AIM1L	-1.209843295
ILMN_1236994	NM_018888.1	2410003P15RIK	-1.210070287
ILMN_2752524	NM_198414.2	PAQR9	-1.210264477
ILMN_2533766	NM_001033259.2	CCDC109A	-1.212037756
ILMN_1230605	XM_001474633.1	GM336	-1.212099134
ILMN_2776230	NM_019929.1	SUMO3	-1.212200919
ILMN_1216900	NM_001042499.1	RABL3	-1.212542863
ILMN_2495475	NM_020505.2	VAV3	-1.215573476
ILMN_2615170	NM_025862.2	ACAD8	-1.218725307
ILMN_2682887	NM_001080999.1	TRMT2A	-1.218962475
ILMN_3011376	NM_018729.2	CD244	-1.22028797
ILMN_2886981	NM_145375.1	TM6SF1	-1.221043008
ILMN_1212633	XM_124565.3	LOC231444	-1.222155881
ILMN_2509988		LBR	-1.223319176

ILMN_2519122		SCL0004166.1_8	-1.223781539
ILMN_1248403	BC044301.1	SCL0001550.1_29	-1.224550626
ILMN_2852380	NM_011899.3	SRP54	-1.225616209
ILMN_1220688	NM_001033301.2	6330505N24RIK	-1.225879244
ILMN_1235200		4932411N02RIK	-1.226711905
ILMN_1213596	NM_008534.1	LY9	-1.227059913
ILMN_1237406	NM_001029872.1	ITGAD	-1.228790631
ILMN_2725286	NM_027439.3	ATP6AP2	-1.229089428
ILMN_2745741	NM_172606.2		March6 -1.22983274
ILMN_2977558	NM_010019.2	DAPK2	-1.230476822
ILMN_2689473	NM_007381.3	ACADL	-1.230774667
ILMN_2627318	XM_148429.1	4930455C21RIK	-1.230900937
ILMN_2759335	NM_026440.3	RNMT	-1.23176409
ILMN_1259419	XM_914270.2	CNOT1	-1.23328257
ILMN_1218504	NM_172264.1	CHDH	-1.236507469
ILMN_2549697		4930447F20RIK	-1.236727951
ILMN_1228561	NM_001042558.1	APAF1	-1.237798474
ILMN_2615741		EIF3S8	-1.238375794
ILMN_2524992	NM_007895.2	EAR2	-1.239972241
ILMN_1252046	NM_013910.2	FBXL10	-1.240157733
ILMN_1245942	NM_001037725.2	ALS2CR13	-1.242318118
ILMN_1221503	NM_007631.1	CCND1	-1.245394666
ILMN_2685696	NM_023626.4	ING3	-1.245516608
ILMN_2533526	XM_134223.2	LOC234360	-1.247953334
ILMN_2687628	XM_134100.3	CKAP2	-1.249763025
ILMN_2551668		CLA3	-1.253558033
ILMN_1248340	NM_178069.5	LSG1	-1.253691218
ILMN_2597868	NM_011175.2	LGMN	-1.254710738
ILMN_1214515	NM_019729.2	USP8	-1.2572164
ILMN_2752010	NM_008565.2	MCM4	-1.259041439
ILMN_2688631		CRRY	-1.26012762
ILMN_2826671	NM_010141.2	EPHA7	-1.260413888
ILMN_1235327		RBBP4	-1.260963949
ILMN_3157232	NM_001003916.1	ZC4H2	-1.264062709
ILMN_2658219	NM_010749.4	M6PR	-1.264300072
ILMN_2751548	NM_183408.2	PDE4A	-1.26521497
ILMN_2815479	NM_172787.1	L3MBTL3	-1.268102247
ILMN_1252133	XR_001705.1	LOC269859	-1.268360798
ILMN_1240537	NM_028755.2	ARPP21	-1.269594197
ILMN_2455406	NM_001004436.3	WAPAL	-1.270063681
ILMN_1249366	XM_001476583.1	LOC100046608	-1.272807307
ILMN_2597778	NM_008137.3	GNA14	-1.274989809
ILMN_2741114	NM_010368.1	GUSB	-1.278135456
ILMN_2435505	NM_009480.2	USF1	-1.283213935
ILMN_1219572	NM_001024622.2	PCNP	-1.283630346
ILMN_1248368	NM_145569.4	MAT2A	-1.283962748

ILMN_1254113		SNX2	-1.28476287
ILMN_2499356	NM_011917.2	XRN2	-1.285068679
ILMN_2524699	XM_135109.4	9430077D24RIK	-1.286733882
ILMN_2662545	NM_145145.1	POMT1	-1.287597567
ILMN_3102643	NM_011561.1	TDG	-1.291100645
ILMN_1246496	NM_178684.5	MAPK1IP1L	-1.292584124
ILMN_1216777		2310008I22RIK	-1.295589536
ILMN_2601471	NM_007631.1	CCND1	-1.296353372
ILMN_1215521	NM_011943.1	MAP2K6	-1.29831469
ILMN_2483422	XM_001474715.1	LOC100040462	-1.298341235
ILMN_2526382	XM_355225.1	LOC381285	-1.299290315
ILMN_1213708		4732462B05RIK	-1.303126221
ILMN_1251375	XM_925022.2	GM1752	-1.303227611
ILMN_2622255	XM_204072.3	EPHB2	-1.303325552
ILMN_3157764	NM_001042484.1	GOLGA7	-1.303417377
ILMN_2526174	XM_354669.1	LOC380756	-1.304115998
ILMN_2460102	AK036186.1	SCL0001602.1_506	-1.304129555
ILMN_1241523		PTPRS	-1.304661031
ILMN_2935979	NM_001081122.1	CEP63	-1.305081465
ILMN_1243283	XR_032844.1	LOC100046320	-1.305129185
ILMN_2695008		NCOA4	-1.305999753
ILMN_1234171	NM_007971.1	EZH2	-1.307508325
ILMN_2774140	NM_013686.3	TCP1	-1.307702191
ILMN_2482766	NM_009433.2	TSPYL1	-1.308127959
ILMN_2618549	NM_009005.1	RAB7	-1.308242378
ILMN_2479666	NM_011675.1	UCK1	-1.308752281
ILMN_2732034	XM_284541.1	LRRFIP2	-1.311867412
ILMN_2744660	XM_354710.1	IGH-6	-1.312041016
ILMN_2722469	NM_026101.2	HERC4	-1.312666156
ILMN_1225921	NM_201642.4	UGT1A7C	-1.315593363
ILMN_2868480	NM_001017422.1	EAR4	-1.317232399
ILMN_2681601	NM_152808.2	SLC44A2	-1.31752006
ILMN_3149251	NM_008133.3	LGSN	-1.317927262
ILMN_2690214	NM_183264.3	5830405N20RIK	-1.319809406
ILMN_2525278	XM_110248.4	FBXO11	-1.320385139
ILMN_1249092		KIF23	-1.320601957
ILMN_2744657	XM_354710.1	IGH-6	-1.323333634
ILMN_2719256	NM_010824.1	MPO	-1.323359652
ILMN_2741621	NM_007465.1	BIRC2	-1.324903435
ILMN_2498173	NM_009479.2	UROS	-1.325245132
ILMN_1232396	NM_007895.2	EAR2	-1.325348387
ILMN_2583684	NM_001001735.1	WHSC1L1	-1.327907036
ILMN_1232251	NM_009408.2	TOP1	-1.328510251
ILMN_1222715	XM_358974.1	LOC385855	-1.328639307
ILMN_2609025	NM_080288.1	ELMO1	-1.329701489
ILMN_1243184	NM_001081350.1	NOL8	-1.330657991

ILMN_2692986	NM_182994.1	2810410P22RIK	-1.334239447
ILMN_1246268	AK075947.1	SCL0001487.1_50	-1.334480348
ILMN_1233746	NM_133916.2	EIF3B	-1.334619882
ILMN_2688507	XM_357629.1	LOC384411	-1.33517536
ILMN_1259320	NM_001081308.1	TAOK3	-1.335740995
ILMN_2417926	XM_977361.1	LOC665506	-1.338000246
ILMN_2648397	NM_021505.2	ANAPC5	-1.338546717
ILMN_2664797	NM_008676.1	NBR1	-1.341525764
ILMN_2671644	NM_022309.3	CBFB	-1.342689862
ILMN_1231769		MYB	-1.344481936
ILMN_1230923	NM_013703.1	VLDLR	-1.345863283
ILMN_2515601	NM_013703.1	VLDLR	-1.347051711
ILMN_2431619		UBE2L6	-1.347135047
ILMN_2753979	NM_001039103.2	RASA4	-1.348167153
ILMN_1223571	NM_008964.3	PTGER2	-1.349258177
ILMN_2426140	NM_001081203.1	SBNO1	-1.35211529
ILMN_2480814	NM_021349.1	TNFRSF13B	-1.354395058
ILMN_2525491	XM_284573.2	LOC331102	-1.356677775
ILMN_1246006	XM_136041.3	AI448196	-1.360988598
ILMN_2669793	NM_007631.2	CCND1	-1.365031708
ILMN_1231877		4930431J19RIK	-1.366612149
ILMN_1247147	NM_007678.3	CEBPA	-1.36728352
ILMN_2698485	NM_027541.2	PRPF3	-1.368687628
ILMN_2698767	NM_023223.1	CDC20	-1.370488234
ILMN_2582171		A630098G22RIK	-1.370554973
ILMN_1249368	NM_001081195.1	ARID4A	-1.372121688
ILMN_2796472	NM_013703.1	VLDLR	-1.374626043
ILMN_2709478	NM_021389.4	SH3KBP1	-1.375638778
ILMN_2632076	NM_018737.2	CTPS2	-1.375910893
ILMN_2505307	NM_013771.4	YME1L1	-1.376726743
ILMN_2493544		A530017D24RIK	-1.377227061
ILMN_2638487	NM_010164.2	EYA1	-1.378120579
ILMN_2420200	NM_019729.2	USP8	-1.381361755
ILMN_2854054	NM_001080944.1	ATP8B4	-1.383148093
ILMN_1258474	NM_177389.3	MIA3	-1.385256786
ILMN_2750548		GNPDA1	-1.388292427
ILMN_2629120	NM_011931.3	RFWD2	-1.388706829
ILMN_1230786		5730588I11RIK	-1.39024083
ILMN_2535680	XM_484225.5	AK157302	-1.396769263
ILMN_2593368	NM_145569.4	MAT2A	-1.397031792
ILMN_3148398	NM_029735.1	EPRS	-1.397301313
ILMN_2477324	NM_011280.1	TRIM10	-1.398675995
ILMN_1247017	NM_146112.3	TNRC15	-1.399127326
ILMN_3062470	NM_001024385.1	CRLS1	-1.400045999
ILMN_3107377	NM_001037941.1	DNAJB6	-1.404289526
ILMN_2680827	NM_008372.3	IL7R	-1.404345529

ILMN_1216718	NM_011462.2	SPIN1	-1.407168491
ILMN_2558167		9330158N06RIK	-1.409037303
ILMN_1239430	NM_008625.1	MRC1	-1.411784557
ILMN_3034381	NM_172394.2	NUP88	-1.411792518
ILMN_2706462	NM_008351.1	IL12A	-1.413654985
ILMN_1227209	NM_026873.2	PTCD2	-1.415635414
ILMN_2931918	NM_030069.1	4432416J03RIK	-1.416760691
ILMN_2860244	NM_029436.3	KLHL24	-1.420456202
ILMN_3075340	NM_133200.3	P2RY14	-1.420814174
ILMN_2665087	NM_010635.1	KLF1	-1.421320214
ILMN_2776231	NM_019929.3	SUMO3	-1.423189454
ILMN_2679502	NM_001081251.1	PBRM1	-1.424924476
ILMN_2591651		A330080J22RIK	-1.425486924
ILMN_2599748	NM_011943.2	MAP2K6	-1.427073534
ILMN_2629591	NM_019734.1	ASAH1	-1.4306719
ILMN_2488662	NM_032008.3	SLMAP	-1.431012482
ILMN_1230072	NM_028768.2	ARMC8	-1.431250956
ILMN_2804559	NM_178638.2	TMEM108	-1.431513679
ILMN_2769325	NM_009852.1	CD6	-1.433953645
ILMN_1228999	NM_019685.2	RUVBL1	-1.434180004
ILMN_3132361	NM_001033988.1	NCOA4	-1.434957209
ILMN_1256019	XR_032458.1	LOC333331	-1.438752953
ILMN_2435302		2010001H16RIK	-1.439667398
ILMN_3117602	NM_009852.3	CD6	-1.441514684
ILMN_2509139	NM_028173.3	TRAM1	-1.443509179
ILMN_2649083	NM_023671.1	CLNS1A	-1.444447043
ILMN_1246590	XM_912102.2	LOC545208	-1.444566037
ILMN_1225311	NM_010509.1	IFNAR2	-1.444992341
ILMN_1249305	XR_002517.1	LOC209281	-1.445840365
ILMN_2609052	NM_026556.3	DYNLL2	-1.445939519
ILMN_1248381	NM_134017.1	MAT2B	-1.451742561
ILMN_1236125	NM_008567.1	MCM6	-1.45190749
ILMN_1235392	XR_034278.1	LOC668183	-1.45412918
ILMN_1252389	XM_001476489.1	LOC100046136	-1.45451264
ILMN_2696629	NM_008400.2	ITGAL	-1.45593162
ILMN_2650812	NM_008112.4	GDI2	-1.457980819
ILMN_2648100	XM_001003154.1	LOC676974	-1.459095276
ILMN_1218327	NM_199035.1	ALG8	-1.463728184
ILMN_2770260	NM_019583.3	IL17RB	-1.467193796
ILMN_2670662	NM_144901.2	CSDE1	-1.469371057
ILMN_2513895	NM_019748.2	SAE1	-1.471257386
ILMN_1244135	NM_026369.1	ARPC5	-1.471554652
ILMN_1258916	XM_001480958.1	ATP13A3	-1.471865781
ILMN_1212717	NM_009372.2	TGIF1	-1.473258564
ILMN_3068231	NM_008558.1	MAX	-1.478250305
ILMN_1224128	NM_010902.3	NFE2L2	-1.482794565

ILMN_1228608	XM_001479982.1	LOC637353	-1.485236555
ILMN_2526938	XM_001480713.1	LOC623121	-1.485577392
ILMN_2921526	NM_009797.1	CAPZA1	-1.488717245
ILMN_2543842		2810417K24RIK	-1.492068298
ILMN_2647628	NM_172707.2	PPP1CB	-1.49233247
ILMN_1254343	NM_001033435.2	GM885	-1.495912948
ILMN_2843286	NM_172980.1	SLC28A2	-1.504968639
ILMN_2694960	NM_010833.2	MSN	-1.507805451
ILMN_3133095	NM_028060.2	SLC35F2	-1.508578578
ILMN_2543630		4933439C20RIK	-1.513498132
ILMN_3013874	NR_002883.1	EG434858	-1.513912127
ILMN_1220187	NM_013636.3	PPP1CC	-1.515504244
ILMN_2720836	NM_178446.2	RBM47	-1.516005499
ILMN_1230063	AK075923.1	SCL0002130.1_20	-1.517003708
ILMN_2704119	NM_146207.1	CUL4A	-1.51926286
ILMN_2635718	NM_027292.2	BZRPL1	-1.522860255
ILMN_2665359	NM_177547.3	SGK3	-1.529845387
ILMN_1260532	XM_359326.6	JARID1A	-1.531194357
ILMN_1218264	NM_013703.1	VLDLR	-1.531738835
ILMN_2628657	NM_027439.2	ATP6AP2	-1.53639406
ILMN_2571934		D030034I04RIK	-1.540520607
ILMN_1213167	NM_013507.2	EIF4G2	-1.545631514
ILMN_1256883	NM_011234.4	RAD51	-1.546890443
ILMN_2675223	NM_021293.2	CD33	-1.549518158
ILMN_2616768	NM_029478.3	TMEM49	-1.550480898
ILMN_3075157	NM_172605.2	TDRD3	-1.551202002
ILMN_2708397	NM_198609.1	BC003885	-1.559115153
ILMN_2705119	XM_001477963.1	LOC100047353	-1.560370009
ILMN_2745889	NM_134188.2	ACOT2	-1.563500057
ILMN_1246690	NM_007753.1	CPA3	-1.564155388
ILMN_3086201	NM_001002004.1	2610507B11RIK	-1.568100868
ILMN_1259769	NM_008774.2	PABPC1	-1.571130678
ILMN_1224894	NM_134092.2	MTBP	-1.587568593
ILMN_2534125	XM_354602.1	LOC380691	-1.588615424
ILMN_2860699	NM_013514.2	EPB4.9	-1.590913237
ILMN_2683910	NM_010848.3	MYB	-1.594686011
ILMN_2526918	NM_001005508.1	ARHGAP30	-1.595895205
ILMN_2861176	NM_007591.3	CALR	-1.607071858
ILMN_2631505	XM_357633.1	LOC384415	-1.609064016
ILMN_1236718	NM_008220.3	HBB-B1	-1.61674262
ILMN_1228235		CTSE	-1.621350429
ILMN_2647627		PPP1CB	-1.621841014
ILMN_2685695	NM_023626.3	ING3	-1.622257679
ILMN_2653642	NM_029334.1	ZC3H14	-1.622324924
ILMN_2617920	NM_028624.1	1110017D15RIK	-1.632591789
ILMN_2957614	NM_007422.2	ADSS	-1.632831839

ILMN_1213014	NM_009471.2	UMPS	-1.63744929
ILMN_3070576	NM_008133.3	LGSN	-1.637844988
ILMN_2684986	NM_021510.1	HNRPH1	-1.638103121
ILMN_2747923	NM_016917.2	SLC40A1	-1.649238962
ILMN_2684987	NM_021510.2	HNRNPH1	-1.649833273
ILMN_2649286	XM_991819.1	LOC243431	-1.652394925
ILMN_1258462	NM_010456.2	HOXA9	-1.65592595
ILMN_1229935	XR_034036.1	LOC434200	-1.657358541
ILMN_2619762	NM_013596.1	MC5R	-1.658847202
ILMN_2589477	NM_145507.1	DARS	-1.661391711
ILMN_1225882	XM_289803.2	LOC333744	-1.662354475
ILMN_2663613	NM_010580.1	ITGB5	-1.663162868
ILMN_2878355	NM_010655.3	KPNA2	-1.663897821
ILMN_2520635	NM_145393.3	YTHDF2	-1.664103571
ILMN_2738475	NM_011251.2	RBM6	-1.665286042
ILMN_2710286		C030025P15RIK	-1.666193961
ILMN_1212653	NM_028713.1	RFTN2	-1.668848217
ILMN_2483493	XM_001476407.1	LOC100046552	-1.674143786
ILMN_2615855	NM_182650.3	HNRNPA2B1	-1.674995405
ILMN_1219573		C130072A16RIK	-1.675564222
ILMN_2680808	NM_019868.3	HNRNPH2	-1.680500162
ILMN_1224644	NM_013508.1	ELK3	-1.687768179
ILMN_1214609	NM_019648.3	METAP2	-1.703273619
ILMN_2416764	NM_001083616.1	CACNA1D	-1.704726489
ILMN_2769330	NM_009852.3	CD6	-1.705015163
ILMN_2525855	NM_139149.2	FUS	-1.707475831
ILMN_2545963		HBB-B1	-1.714678267
ILMN_2628658	NM_027439.3	ATP6AP2	-1.719744843
ILMN_2720634	NM_013768.2	PRMT5	-1.730789117
ILMN_1229203		HBB-B1	-1.7386426
ILMN_1225587	NM_138955.3	ABCG4	-1.746231966
ILMN_2864309	NM_001081957.1	OTTMUSG0000000097:	-1.750762674
ILMN_2745515	NM_011269.1	RHAG	-1.758271818
ILMN_2542956	XM_125257.1	TERA-PENDING	-1.771790258
ILMN_3145881	NM_001037846.1	CNOT2	-1.785070161
ILMN_2960325	NM_007799.2	CTSE	-1.792275319
ILMN_1223244		HBB-B1	-1.792896991
ILMN_1245042		IGKV9-120_V00804\$J00	-1.803178527
ILMN_1214394	NM_175836.2	SPNB2	-1.803358064
ILMN_2964560	NM_053094.1	CD163	-1.83207042
ILMN_1229547	NM_133903.2	SPON2	-1.833528855
ILMN_2443831	NM_009457.3	UBA1	-1.833746734
ILMN_2432550	NM_144551.3	TRIB2	-1.840642467
ILMN_1244316		HBB-B1	-1.840821078
ILMN_2598532	XM_484670.5	EG433144	-1.84478723
ILMN_1239717	NM_007969.4	EXPI	-1.845972971

ILMN_1255513	NM_007672.1	CDR2	-1.856845621
ILMN_1242935	XM_921371.2	LOC633016	-1.869274337
ILMN_1215167	NM_007840.3	DDX5	-1.872190386
ILMN_1217929	XR_030797.1	LOC667005	-1.876090353
ILMN_2745513	NM_011269.2	RHAG	-1.877436072
ILMN_1255462		HBB-B1	-1.881371964
ILMN_1216412	NM_010247.2	XRCC6	-1.889365216
ILMN_2431390		TCRB-V8.2	-1.906230812
ILMN_2550423	AK012612.1	SCL0002368.1_75	-1.911638146
ILMN_2733277	NM_138756.4	SLC25A36	-1.911921635
ILMN_1235372	NM_008220.3	HBB-B1	-1.918015766
ILMN_1239117	NM_008220.3	HBB-B1	-1.922580948
ILMN_2539917	XM_357700.1	LOC384538	-1.937269494
ILMN_2723108	NM_009366.2	TSC22D1	-1.96391868
ILMN_1224207	NM_001081346.1	RTKN2	-1.994358985
ILMN_2629052		CBX3	-1.99736212
ILMN_2645155	NM_010456.1	HOXA9	-2.011560764
ILMN_2660754		SPNB1	-2.019389065
ILMN_2748402	NM_015734.1	COL5A1	-2.031985239
ILMN_1244879	XM_001476775.1	LOC100046690	-2.034316659
ILMN_2627920	NM_173014.1	LPCAT2	-2.048662951
ILMN_1229577	NM_009217.1	SSTR2	-2.055873418
ILMN_2715840	NM_007574.2	C1QC	-2.060329847
ILMN_1257143	NM_013848.1	ERMAP	-2.066158116
ILMN_2630939	NM_029810.3	NT5C2	-2.081623446
ILMN_1237948	NM_011570.3	TES	-2.092182845
ILMN_2705407	NM_008774.2	PABPC1	-2.097887993
ILMN_2918479	NM_031165.4	HSPA8	-2.101625294
ILMN_2638299		SLC29A1	-2.104481297
ILMN_2619620	NM_009777.2	C1QB	-2.106746736
ILMN_1218923	XM_001477842.1	LOC100041932	-2.11365358
ILMN_2642913	NM_010128.4	EMP1	-2.118752357
ILMN_2691187	NM_009031.2	RBBP7	-2.128593408
ILMN_2795178	NM_028713.1	RFTN2	-2.132952777
ILMN_2691192	NM_009031.2	RBBP7	-2.150740393
ILMN_1216452	NM_008220.3	HBB-B1	-2.159961014
ILMN_1237186	NM_016907.3	SPINT1	-2.163715428
ILMN_1245354	NM_133211.3	TLR7	-2.168536712
ILMN_1219275	NM_009031.2	RBBP7	-2.19165277
ILMN_2639036	NM_010477.3	HSPD1	-2.193222687
ILMN_1214650	AK012612.1	SCL0002368.1_75	-2.237177115
ILMN_2715601	NM_031158.1	ANK1	-2.259126627
ILMN_2673889	NM_008568.1	MCM7	-2.267351667
ILMN_2589785	XM_001479297.1	LOC100047856	-2.296073636
ILMN_1232884	NM_011451.2	SPHK1	-2.328152612
ILMN_1259714	NM_009873.2	CDK6	-2.380528775

ILMN_1245717	NM_013514.3	EPB4.9	-2.409940403
ILMN_3161601	NM_009221.2	SNCA	-2.416928439
ILMN_2538597	XM_359211.1	LOC386405	-2.453158837
ILMN_1236588	NM_009799.4	CAR1	-2.458210435
ILMN_2629581	NM_009943.2	COX6A2	-2.463360174
ILMN_1252157	XR_001572.1	A330102K04RIK	-2.507418276
ILMN_1215076		F830002E14RIK	-2.523338443
ILMN_2668996	NM_032540.2	KEL	-2.568580257
ILMN_3136638	NM_009221.2	SNCA	-2.58845103
ILMN_2649773	NM_172479.2	SLC38A5	-2.714730423
ILMN_1241039		2510042H12RIK	-2.869452535
ILMN_1241866	NM_033264.1	ARPP21	-2.94504104
ILMN_2718589	NM_007995.3	FCNA	-3.171369477
ILMN_2783997	NM_011280.1	TRIM10	-3.309167116
ILMN_2619200	NM_133245.1	ERAF	-3.427289292
ILMN_1212702	NM_008218.2	HBA-A1	-3.435092798
ILMN_1232383	NM_001043228.1	DNTT	-3.479382529
ILMN_2696696	NM_010369.3	GYPA	-3.678933044
ILMN_2675874	NM_009653.1	ALAS2	-3.869609787
ILMN_1227675	NM_011403.1	SLC4A1	-4.144597802
ILMN_2544056		HBB-B1	-4.436711237
ILMN_1246153	NM_133362.2	ERDR1	-4.990352281
ILMN_2998658	NM_133362.1	ERDR1	-7.268307375

Supplementary Table 3: Up-regulated gene changes in TPOTg LSKs versus Mpl+/+ LSKs. This table shows log2 fold changes for genes that are significantly differentially expressed in a positive direction between TPOTg LSKs versus Mpl+/+ LSKs. The data were generated from samples which were obtained using the Illumina gene expression platform described in SI Materials and Methods.

ID	GeneRef	Symbol	Log Fold Change
ILMN_1232948		IGKV9-128_AJ231245_I	4.972013053
ILMN_2649286	XM_991819.1	LOC243431	4.19394923
ILMN_2619428	XM_354718.1	IGH-V11	3.81929349
ILMN_2631505	XM_357633.1	LOC384415	3.566487673
ILMN_1217886	XM_984967.1	LOC675759	2.715137492
ILMN_1222734	NM_013467.3	ALDH1A1	2.432020094
ILMN_2628178	NM_007706.3	SOCS2	2.277790566
ILMN_3151149	NM_001033851.1	CPNE8	2.087984108
ILMN_3160292	NM_001013785.2	AKR1C19	1.836371782
ILMN_2931334	NM_021283.1	IL4	1.811199701
ILMN_2731908	XM_358637.1	6330405H19	1.759859519
ILMN_2604494	NM_013723.2	PODXL	1.756310088
ILMN_2771342		FCER1A	1.643621486
ILMN_1226111	XM_001481017.1	LOC100043821	1.547920827
ILMN_2587711	NM_183355.2	PBX1	1.54301509
ILMN_1223708	XM_984967.1	LOC675759	1.518230489
ILMN_2806439	NM_182959.2	SLC17A8	1.508678126
ILMN_1229911	NM_012026.2	RGNEF	1.493088903
ILMN_2619983	NM_008304.2	SDC2	1.481070103
ILMN_1215076		F830002E14RIK	1.467582503
ILMN_2690938	NM_145920.2	EVC2	1.444381066
ILMN_2635895	NM_008880.2	PLSCR2	1.429120305
ILMN_1258914	NM_175328.2	SLC6A15	1.413800115
ILMN_2629591	NM_019734.1	ASAH1	1.393307581
ILMN_2729252	XR_002313.1	5830431A10RIK	1.383100737
ILMN_2467151		CYP11A1	1.367870146
ILMN_2834764	NM_175271.2	GPR23	1.352808109
ILMN_2604501	NM_175526.2	CLEC1A	1.343679073
ILMN_1221341	XR_033502.1	LOC100047226	1.343382684
ILMN_1232600	NM_026301.2	RNF125	1.343279582
ILMN_2742042	NM_019738.1	NUPR1	1.342309114
ILMN_2631892	NM_133880.1	PAFAH2	1.341562663
ILMN_1226921	XM_001006879.1	LOC674004	1.340179367
ILMN_2735184	NM_009929.2	COL18A1	1.338663616
ILMN_2972459	NM_007858.2	DIAP1	1.332704455
ILMN_2759943	NM_011203.2	PTPN12	1.325715686
ILMN_2977404	NM_021883.1	TMOD1	1.323266369
ILMN_1226114	NM_175260.2	MYH10	1.314676885
ILMN_1224339	NM_198295.2	TXNDC10	1.312666767
ILMN_1248202		ARHGEF2	1.306209992
ILMN_2624977		A730024F05RIK	1.298198209
ILMN_2653642	NM_029334.1	ZC3H14	1.27944796
ILMN_2761205	NM_030704.1	HSPB8	1.277743972
ILMN_2599018	NM_013885.2	CLIC4	1.272658602

ILMN_1234126	NM_016893.4	FUT8	1.26780666
ILMN_2641541	NM_007858.2	DIAP1	1.259804125
ILMN_1218024		ARHGEF6	1.250563329
ILMN_2663403	XM_001481237.1	LOC100043918	1.249797013
ILMN_1215651	NM_007671.2	CDKN2C	1.245824747
ILMN_1216898		KIT	1.243746598
ILMN_1231492	NM_008397.3	ITGA6	1.214923205
ILMN_2706562	NM_021292.1	EVC	1.212558013
ILMN_1225311	NM_010509.1	IFNAR2	1.208625837
ILMN_2741693	NM_198423.1	BC060615	1.207910472
ILMN_2673566	NM_010124.2	EIF4EBP2	1.198115635
ILMN_3160137	NM_009657.3	ALDOC	1.196677468
ILMN_1219298	NM_026639.2	ART4	1.190124181
ILMN_2649456	NM_030024.2	PRR15	1.184103444
ILMN_1242660	XM_001476443.1	LOC100041450	1.17299782
ILMN_1232435	XM_284198.5	MMRN1	1.16048145
ILMN_1230021		CYP2J9	1.160374417
ILMN_1228983		E330039I02RIK	1.157514296
ILMN_2427307	NM_027711.1	IQGAP2	1.152386909
ILMN_2913222	NM_001025103.1	EFCAB4A	1.143796218
ILMN_2422042	BC033468.1	SCL000981.1_40	1.13635483
ILMN_1237375	NM_009127.3	SCD1	1.128662058
ILMN_2825080	NM_027570.3	LDHD	1.127519588
ILMN_2621012	NM_028030.3	RBPMS2	1.125228189
ILMN_2721571	NM_013730.4	SLAMF1	1.124640556
ILMN_1232989	NM_020578.2	EHD3	1.122059156
ILMN_1216546	NM_027121.2	VKORC1L1	1.120947011
ILMN_1217809	XM_356568.1	LOC382557	1.11840039
ILMN_2504823	NM_172570.4	TRIM47	1.115356442
ILMN_2739651	NM_009688.1	BIRC4	1.113227539
ILMN_1230281	NM_052976.3	OPHN1	1.111108373
ILMN_2998738	NM_198657.1	EG381438	1.103302655
ILMN_2562831		CCNI	1.101885817
ILMN_2745370	NM_133670.1	SULT1A1	1.099018693
ILMN_2789239	NM_011578.2	TGFBR3	1.098974445
ILMN_2947526	NM_007899.1	ECM1	1.09759223
ILMN_2670775	XM_916109.2	C530008M17RIK	1.091560611
ILMN_2694960	NM_010833.2	MSN	1.08123891
ILMN_3163335	NM_011229.1	RAB5B	1.080605637
ILMN_2715304	NM_026267.1	NECAP1	1.08016653
ILMN_1225535	NM_008060.1	GANAB	1.079430452
ILMN_3047389	NM_010260.1	GBP2	1.077995943
ILMN_2720663	NM_001025103.1	EFCAB4A	1.071885357
ILMN_2708211	NM_019547.2	RBM38	1.069603116
ILMN_1242977	NM_008268.1	HOXB5	1.06357346
ILMN_2795412	NM_025326.2	TMEM176A	1.059566126
ILMN_2757634	NM_027828.2	9030611O19RIK	1.052041543
ILMN_2917338	NM_026301.1	RNF125	1.044478946
ILMN_2829604	NM_007378.1	ABCA4	1.044427698
ILMN_1254015	NM_013777.2	AKR1C12	1.039104207

ILMN_2659063	NM_013457.2	ADD1	1.035978763
ILMN_1234190	XM_357002.5	PSMA8	1.031450487
ILMN_2739303	NM_172523.2	SLC18A2	1.026662408
ILMN_1242617		GPR23	1.023341687
ILMN_2700338	NM_198302.2	RBM11	1.022619245
ILMN_2623776	NM_007945.2	EPS8	1.021097394
ILMN_2681805	NM_010739.1	MUC13	1.020960018
ILMN_1232165	XM_138691.2	MGC60742	1.01973214
ILMN_2708263	NM_145527.3	MADD	1.01970551
ILMN_2598883	NM_178627.3	POLDIP3	1.016906591
ILMN_1229343	NM_001083341.1	MBOAT2	1.016700966
ILMN_1252898		SOX6	1.015908254
ILMN_2510683	NM_145441.3	UBXD4	1.015071089
ILMN_2606990	NM_023066.2	ASPH	1.013165416
ILMN_2646550	XM_133396.3	9430025M13RIK	1.002194367
ILMN_2606564	NM_026195.2	ATIC	1.002143098
ILMN_3092415	NM_153198.1	HBP1	1.002127298
ILMN_1259714	NM_009873.2	CDK6	1.000923634
ILMN_2704619	NM_172274.1	CC2D2A	0.998786077
ILMN_2497067	NM_144516.1	ZMYND11	0.996772186
ILMN_2860242	NM_029436.3	KLHL24	0.990612904
ILMN_2644025	NM_010438.2	HK1	0.990353544
ILMN_1235833	XM_001480577.1	ZFP422-RS1	0.987535435
ILMN_2710942	NM_009693.1	APOB	0.987166933
ILMN_2619249	NM_172926.2	SNX14	0.983074646
ILMN_1242469	NM_028657.1	F630110N24RIK	0.982325984
ILMN_2694175	NM_011925.1	CD97	0.982261802
ILMN_2815138	NM_010867.1	MYOM1	0.982192276
ILMN_2939503	NM_153392.1	4922503N01RIK	0.981094598
ILMN_1219304	NM_001012638.1	ACD	0.979754725
ILMN_1233864	NM_008969.3	PTGS1	0.97655113
ILMN_2651197	NM_011203.2	PTPN12	0.966227793
ILMN_2481902		PLXNC1	0.961410938
ILMN_2759944	NM_011203.2	PTPN12	0.956439785
ILMN_1258474	NM_177389.3	MIA3	0.955872671
ILMN_2741694	NM_198423.1	BC060615	0.952652245
ILMN_2639662	NM_027570.3	LDHD	0.952468901
ILMN_2706587	NM_009386.1	TJP1	0.951779915
ILMN_1224069	NM_001033217.3	PRICKLE1	0.950259557
ILMN_2671984	NM_011210.2	PTPRC	0.950206193
ILMN_2725414	NM_007657.2	CD9	0.949179402
ILMN_2694170	NM_011925.1	CD97	0.94824157
ILMN_1214322		C630030D09RIK	0.937761541
ILMN_1243992	NM_008986.1	PTRF	0.93495716
ILMN_1220664	NM_016965.2	NCKAP1	0.930899858
ILMN_2684268	NM_145926.2	MGAT4B	0.929853026
ILMN_3132186	NM_177546.2	PCYT1B	0.927362988
ILMN_1241211	NM_021896.4	GUCY1A3	0.920342847
ILMN_2759945	NM_011203.2	PTPN12	0.917943222
ILMN_2662576	XM_283678.1	A430110L20RIK	0.917004414

ILMN_2468327		JMJD2A	0.916388261
ILMN_2518618	NM_011273.1	XPR1	0.916369153
ILMN_1229313	NM_001013771.2	GM973	0.914063508
ILMN_2522127		MYO1E	0.913975292
ILMN_3129213	NM_001002272.2	TRO	0.913726966
ILMN_1247460	NM_133752.2	OPA1	0.910061148
ILMN_2860244	NM_029436.3	KLHL24	0.909634245
ILMN_2650725	NM_198113.2	SSH3	0.904570118
ILMN_1244460	NM_010107.3	EFNA1	0.90011768
ILMN_2587005		4931403I22RIK	0.896447335
ILMN_2613313	NM_177727.4	LSM14B	0.894552023
ILMN_2680533	NM_008185.2	GSTT1	0.893414049
ILMN_2683980	NM_010828.2	CITED2	0.892661945
ILMN_2745055	NM_080288.1	ELMO1	0.891829663
ILMN_2606746	NM_009801.3	CAR2	0.891584868
ILMN_2749471	NM_016893.4	FUT8	0.890067238
ILMN_1259424	XM_147215.1	ZFP288	0.888521007
ILMN_2608429	NM_013477.3	ATP6V0D1	0.88577877
ILMN_2627140	XM_283804.7	9830001H06RIK	0.878737171
ILMN_2606601		TGFBR3	0.877542261
ILMN_1217118	NM_032003.1	ENPP5	0.876607849
ILMN_2758878	NM_026432.2	TMEM66	0.876020932
ILMN_2678745	XM_147000.1	2300004C15RIK	0.872082328
ILMN_1224644	NM_013508.1	ELK3	0.870739331
ILMN_2733314	NM_029879.2	RGS7BP	0.863738828
ILMN_3149251	NM_008133.3	GLUD1	0.863554805
ILMN_1250195	NM_008681.2	NDRG1	0.861908015
ILMN_2680054	NM_053078.3	DOH4S114	0.859369488
ILMN_2497068	NM_144516.2	ZMYND11	0.857677222
ILMN_1224572	NM_001001881.1	2510009E07RIK	0.857421146
ILMN_1216718	NM_011462.2	SPIN1	0.854892549
ILMN_1244530		E330011I20RIK	0.853019409
ILMN_2677712	NM_007480.1	ARF5	0.851973159
ILMN_1220170	NM_013690.2	TEK	0.85179216
ILMN_1225522	NM_019828.1	TRPC4AP	0.850866888
ILMN_2730831	XM_130609.2	4921517L17RIK	0.850374995
ILMN_2937674	NM_198671.1	GSE1	0.849471489
ILMN_2658815	NM_029537.1	TMEM98	0.848397125
ILMN_1245356	NM_011421.1	SMPD1	0.840570842
ILMN_2747735	NM_133704.4	SEC22A	0.839505586
ILMN_2769971	NM_153408.2	LINCR	0.838915194
ILMN_2620122	NM_011026.2	P2RX4	0.832429342
ILMN_1249863	NM_013730.4	SLAMF1	0.830775099
ILMN_1243082	NM_029679.1	6330500D04RIK	0.830236557
ILMN_2625601	NM_019990.4	STARD10	0.821241182
ILMN_1257107	XM_001481017.1	LOC100043821	0.820249965
ILMN_1226103	NM_027472.2	5730455P16RIK	0.818140556
ILMN_2576336		C130052O15RIK	0.815662291
ILMN_2646166		NDRL	0.811358978
ILMN_2742461		PPP2R5C	0.810430829

ILMN_2717127	NM_172689.3	DDX58	0.809319812
ILMN_2610156	NM_008684.1	NEO1	0.806840973
ILMN_2547482		PIGN	0.806651093
ILMN_2588682	NM_177583.4	APH1B	0.80312906
ILMN_1230878	NM_010395.5	H2-T10	0.802958305
ILMN_1249032	NM_175245.2	2410129H14RIK	0.799524781
ILMN_1219016	NM_133784.2	WWTR1	0.797894135
ILMN_2733492	XM_911470.2	DDHD2	0.791232285
ILMN_1252806	XM_196179.2	LOC268934	0.788624859
ILMN_2822915	NM_172827.1	LNPEP	0.786431999
ILMN_2603647	NM_053109.2	CLEC2D	0.786182833
ILMN_1241414		4930429A08RIK	0.784049385
ILMN_2603888	NM_153392.1	4922503N01RIK	0.78081912
ILMN_2735865	NM_009708.1	RND2	0.778618677
ILMN_1228211	NM_009363.3	TFF2	0.775352011
ILMN_3072337	NM_001033851.1	CPNE8	0.773375736
ILMN_3084087	NM_001039511.1	IVNS1ABP	0.773011153
ILMN_2741277	NM_033174.2	SNURF	0.772665852
ILMN_1241890		KLF7	0.772371677
ILMN_1247017	NM_146112.3	TNRC15	0.767706264
ILMN_2767635	NM_029478.3	TMEM49	0.766003863
ILMN_2460662	NM_009452.1	TNFSF4	0.765551135
ILMN_2749448	NM_153119.2	PLEKHO2	0.762856571
ILMN_2741464	NM_172731.1	FGD5	0.75824002
ILMN_2728521	NM_011421.1	SMPD1	0.756454107
ILMN_1219568	NM_016881.2	PMM2	0.752157619
ILMN_2499305	NM_183355.2	PBX1	0.750493022
ILMN_1213448	XM_976371.1	LOC669658	0.750083039
ILMN_2675000	NM_029070.2	4930511J11RIK	0.747512071
ILMN_2740852	NM_010169.3	F2R	0.746687417
ILMN_2773215	XM_001476174.1	EPB4.1L4B	0.74528881
ILMN_2594419	NM_018771.3	GIPC1	0.745114835
ILMN_1246301	BC019166.1	SCL0002275.1_1	0.744959981
ILMN_2627006	XM_001002157.2	AKAP11	0.74471669
ILMN_2775016		FZD6	0.742970068
ILMN_2445658	XM_913941.2	IGSF10	0.742157852
ILMN_2753077	NM_177231.2	ARRB1	0.741912973
ILMN_2737658	NM_133667.1	PKD2	0.741848927
ILMN_2911344	NM_011636.1	PLSCR1	0.736689155
ILMN_2630827	NM_133858.3	4930504E06RIK	0.734760641
ILMN_2805375	NM_021359.2	ITGB6	0.734530606
ILMN_2791028	NM_007471.2	APP	0.73326377
ILMN_2546905	XM_001472182.1	LOC100044395	0.732803335
ILMN_2734181	NM_019811.3	ACSS2	0.731529997
ILMN_1220243	XM_358834.1	LOC385644	0.726831567
ILMN_2598532	XM_484670.5	EG433144	0.726479933
ILMN_3159149	NM_199057.2	RUSC2	0.726350218
ILMN_2665948	NM_026163.2	PKP2	0.723214384
ILMN_3106388	NM_001080118.1	MED1	0.721271719
ILMN_2741872	NM_177171.4	HEATR5A	0.719605098

ILMN_1252288		2010007H06RIK	0.717614775
ILMN_2687165	NM_018763.1	CHST2	0.716725085
ILMN_2745741	NM_172606.2	MARCH6	0.715353206
ILMN_2751207	NM_008054.1	FYN	0.712266084
ILMN_3072536	NM_173363.4	EIF5	0.709834096
ILMN_3096144	NM_011486.4	STAT3	0.709322574
ILMN_1259749		C030013C21RIK	0.70629528
ILMN_1259022	NM_001081006.1	ETL4	0.705347112
ILMN_2492377	NM_023230.2	UBE2V1	0.702840196
ILMN_2648661	NM_007598.2	CAP1	0.696491287
ILMN_2440059	AF390178.1	SCL0001533.1_63	0.695952576
ILMN_1224116	NM_020561.2	SMPDL3A	0.693185833
ILMN_2701271	NM_011636.1	PLSCR1	0.690385083
ILMN_2742942	NM_026817.3	RABL2A	0.688989161
ILMN_1233752	NM_001083341.1	MBOAT2	0.687754382
ILMN_3160863	NM_026725.2	DUSP23	0.687337528
ILMN_1233678	NM_008364.1	IL1RAP	0.687105176
ILMN_2482766	NM_009433.2	TSPYL1	0.685720464
ILMN_2632206	NM_022000.2	GNAS	0.683679627
ILMN_1220813	NM_001013371.2	DTX3L	0.683247642
ILMN_2600053	NM_024211.2	SLC25A11	0.675066375
ILMN_2544674		2310045K21RIK	0.673445392
ILMN_1231254	NM_008007.1	FGF3	0.672987267
ILMN_1224714	XM_988632.2	LOC634731	0.672072555
ILMN_1222036	NM_027995.2	PAQR7	0.669326032
ILMN_2775064	XM_001476174.1	EPB4.1L4B	0.667740253
ILMN_2612283	NM_008090.4	GATA2	0.665968293
ILMN_2772248		CAPNS1	0.65282083
ILMN_2728796	NM_181344.4	C1RL	0.649191621
ILMN_2604256	XM_485050.5	LOC433464	0.640871111
ILMN_3145814	NM_001081079.1	OGFRL1	0.64037838
ILMN_3064669	NM_001045483.1	MAPK1IP1	0.639987385
ILMN_1248622		E130309K17RIK	0.63627387
ILMN_2993836	NM_016747.2	DLG3	0.633779412
ILMN_1253986	XM_981375.2	DLG5	0.630556447
ILMN_2776304	NM_011591.4	TIMM17B	0.628616652
ILMN_2752873	NM_010708.1	LGALS9	0.627603438
ILMN_1227460		2700089E24RIK	0.623093477
ILMN_2594205	NM_026033.1	GATAD1	0.622279026
ILMN_2710705	NM_011018.2	SQSTM1	0.617360312
ILMN_1260417		4732423C17RIK	0.606078652
ILMN_2568516		RBPMS	0.602146442
ILMN_2541190	XM_912953.3	1500034J01RIK	0.601681471
ILMN_1235494	NM_025439.2	TMEM9	0.599091563
ILMN_2678400	NM_133766.1	C920006C10RIK	0.597595002
ILMN_1232099	NM_019793.2	TSPAN3	0.594479725
ILMN_2725617	NM_008439.3	KHK	0.594341099
ILMN_2717251	NM_001080818.1	CDC14A	0.593492261
ILMN_2454204		TNFRSF22	0.587235888
ILMN_3115162	NM_001048177.1	JAK2	0.57914893

ILMN_2461320		AU020206	0.571697356
ILMN_2972063	NM_027086.1	UBL7	0.568169554
ILMN_2615601	NM_028776.4	SCYL3	0.56574517
ILMN_1221458	NM_029074.2	TMEM188	0.564610489
ILMN_2693679	NM_183115.3	CCDC125	0.557220908
ILMN_2557387		E430005I09RIK	0.554483981
ILMN_2607786	NM_146094.1	FADS1	0.553221073
ILMN_2741465	NM_172731.2	FGD5	0.547589158
ILMN_2501489	NM_009515.1	WAS	0.54142052
ILMN_1249219		2310011G17RIK	0.532749488
ILMN_3105205	NM_001039533.1	PDXDC1	0.532169838
ILMN_1257193	NM_008910.2	PPM1A	0.531819674
ILMN_2667618	NM_017478.2	COPG2	0.531419618
ILMN_2810882	NM_008908.1	PPIC	0.530813312
ILMN_2710338	NM_013582.2	LHCGR	0.527886694
ILMN_2794825	NM_153083.2	THTPA	0.525598901
ILMN_2520326		NBEA	0.524175352
ILMN_2676876	NM_145630.2	PDK3	0.521026545
ILMN_1232025	NM_028036.3	TMCO6	0.518542572
ILMN_2680142	NM_009673.1	ANXA5	0.511801841
ILMN_1233970	NM_177231.2	ARRB1	0.509746762
ILMN_1249882	XM_127578.2	4933425A18RIK	0.508812639
ILMN_2592093	NM_018854.3	IFT20	0.507159841
ILMN_1219067	NM_146115.3	A830007P12RIK	0.501599084
ILMN_1256354	NM_008129.3	GCLM	0.491216735
ILMN_2686125	NM_145426.2	MFAP3	0.488744476
ILMN_1237670	NM_009849.1	ENTPD2	0.487284744
ILMN_1256012	NM_181326.3	ZFP521	0.484513737
ILMN_2683128	NM_009908.1	CMAS	0.481153337
ILMN_2745036	NM_024191.1	ARL2BP	0.480691504
ILMN_1238436	NM_009946.2	CPLX2	0.4791412
ILMN_1220569		5730589K01RIK	0.476387925
ILMN_2606243	NM_016891.3	PPP2R1A	0.448658977
ILMN_2760979	NM_009371.2	TGFBR2	0.44361108
ILMN_3135697	NM_181274.3	1200003I07RIK	0.410837435
ILMN_2511953	NM_134131.1	TNFAIP8	0.404735242

Supplementary Table 4: Up-regulated gene changes in Mpl^{-/-} LSKs versus Mpl^{+/+} LSKs.

This table shows log₂ fold changes for genes that are significantly differentially expressed in a positive direction between Mpl^{-/-} LSKs versus Mpl^{+/+} LSKs. These data were generated from samples which were obtained using the Illumina gene expression platform described in SI Materials and Methods.

ID	GeneRef	Symbol	Log Fold Change
ILMN_2998658	NM_133362.1	ERDR1	8.954391785
ILMN_1246153	NM_133362.2	ERDR1	6.816476343
ILMN_3159435	NM_183151.1	MID1	5.084532231
ILMN_2617920	NM_028624.1	1110017D15RIK	4.197388718
ILMN_2536068	XM_357269.1	LOC383809	2.525455242
ILMN_2705166	NM_145933.3	ST6GAL1	1.994772367
ILMN_1238102		IDE	1.992559259
ILMN_2648661	NM_007598.2	CAP1	1.930166378
ILMN_1240317		A430059D01RIK	1.872659459
ILMN_2619452	NM_010797.1	MID1	1.826208065
ILMN_1232383	NM_001043228.1	DNTT	1.777905687
ILMN_1257143	NM_013848.1	ERMAP	1.691793303
ILMN_2629581	NM_009943.2	COX6A2	1.661529528
ILMN_2680827	NM_008372.3	IL7R	1.654416671
ILMN_1241866	NM_033264.1	ARPP21	1.61123036
ILMN_1215076		F830002E14RIK	1.582448448
ILMN_1223539	NM_001001491.1	TPM4	1.468819636
ILMN_2624977		A730024F05RIK	1.43964822
ILMN_2837396	NM_001005788.2	ZFP69	1.432101011
ILMN_2606825	NM_007717.1	CMAH	1.429516631
ILMN_1252488	NM_020257.1	CLEC2I	1.418652116
ILMN_2653642	NM_029334.1	ZC3H14	1.395674153
ILMN_2582171		A630098G22RIK	1.385791604
ILMN_2746283	NM_194464.2	MRVI1	1.372190135
ILMN_2680737		GRIA2	1.364734143
ILMN_1226921	XM_001006879.1	LOC674004	1.351829981
ILMN_2705196	NM_001008549.1	BC043301	1.341363717
ILMN_1225311	NM_010509.1	IFNAR2	1.328769361
ILMN_2939503	NM_153392.1	4922503N01RIK	1.322898072
ILMN_3103575	NM_001012451.1	ANKRD6	1.312720773
ILMN_2639036	NM_010477.3	HSPD1	1.312272254
ILMN_1245354	NM_133211.3	TLR7	1.309355795
ILMN_2673566	NM_010124.2	EIF4EBP2	1.298915756
ILMN_1216546	NM_027121.2	VKORC1L1	1.293619373
ILMN_2797973	NM_008828.2	PGK1	1.29214651
ILMN_2804559	NM_178638.2	TMEM108	1.251887697
ILMN_2683718	NM_028233.2	LRPPRC	1.248314477
ILMN_1218024		ARHGEF6	1.244257571
ILMN_1224339	NM_198295.2	TXNDC10	1.24367764
ILMN_2571492		IQGAP1	1.243456866

ILMN_1256084		PPP1R1C	1.242746907
ILMN_2637113	NM_177909.2	SLC9A9	1.242563514
ILMN_3126646	NM_130891.1	GRIP1	1.242348791
ILMN_2515273	NM_011978.2	SLC27A2	1.228755015
ILMN_1215280	XM_128487.2	LOC224732	1.218953225
ILMN_1249305	XR_002517.1	LOC209281	1.218535511
ILMN_2599018	NM_013885.2	CLIC4	1.216499038
ILMN_1235833	XM_001480577.1	ZFP422-RS1	1.216062842
ILMN_1254898		9830004G04RIK	1.200026963
ILMN_3107690	NM_028527.1	1700047I17RIK1	1.195357688
ILMN_2712498	NM_001013368.4	E2F8	1.192450161
ILMN_2827588	NM_010029.1	DDX4	1.185990185
ILMN_2852380	NM_011899.3	SRP54	1.184837968
ILMN_2538277	XM_359103.1	LOC386168	1.173251513
ILMN_1245292	NM_019869.2	RBM14	1.160948046
ILMN_1217302	NM_009211.2	SMARCC1	1.151013811
ILMN_1260417		4732423C17RIK	1.145011853
ILMN_2613313	NM_177727.4	LSM14B	1.144092645
ILMN_2541584	XM_356181.1	LOC382100	1.127807852
ILMN_1242700	NM_029701.1	SPCS3	1.119718647
ILMN_1258474	NM_177389.3	MIA3	1.116037902
ILMN_2653681	NM_023858.2	MTMR2	1.113866616
ILMN_2526382	XM_355225.1	LOC381285	1.110758233
ILMN_1236349	NM_027946.3	WDR68	1.106436766
ILMN_2669912	NM_008737.1	NRP1	1.094169732
ILMN_2510683	NM_145441.3	UBXD4	1.093876554
ILMN_1244600	NM_001040396.2	2810407C02RIK	1.08790631
ILMN_2704496	NM_198607.1	4930572J05RIK	1.08507662
ILMN_2477213	XM_001473915.1	LOC100045240	1.07337191
ILMN_2606564	NM_026195.2	ATIC	1.063774536
ILMN_2505307	NM_013771.4	YME1L1	1.059853008
ILMN_2745480	NM_010200.2	FGF13	1.053988916
ILMN_1250501	NM_010147.3	EPN1	1.050451213
ILMN_1247030		PPP1R1C	1.049169655
ILMN_2684268	NM_145926.2	MGAT4B	1.045829879
ILMN_1227464		9930122J16RIK	1.041627805
ILMN_2558167		9330158N06RIK	1.026989272
ILMN_1227671	NM_013496.2	CRABP1	1.025562462
ILMN_2728729	NM_011521.2	SDC4	1.019791198
ILMN_3114998	NM_001008549.1	BC043301	1.018647343
ILMN_2827267	NM_001003666.2	ZFP457	1.018635921
ILMN_1232165	XM_138691.2	MGC60742	1.014698608
ILMN_1216412	NM_010247.2	XRCC6	1.012481692
ILMN_1259419	XM_914270.2	CNOT1	1.009831609
ILMN_2675223	NM_021293.2	CD33	1.006608872
ILMN_2759943	NM_011203.2	PTPN12	1.005607675

ILMN_2642913	NM_010128.4	EMP1	1.001191353
ILMN_2908022	NM_172405.1	CCDC98	0.998936686
ILMN_1240752		A630054N20RIK	0.992305888
ILMN_2621122	NM_180600.2	UBE2Q2	0.987930807
ILMN_2740568	NM_008173.3	NR3C1	0.986999688
ILMN_1255419		ZFPN1A1	0.986153188
ILMN_1253996	NM_054089.2	NCOA6IP	0.983052076
ILMN_2689473	NM_007381.3	ACADL	0.979763368
ILMN_1248202		ARHGEF2	0.978071702
ILMN_2745055	NM_080288.1	ELMO1	0.977738251
ILMN_2528860	XM_354869.1	LOC380959	0.971197971
ILMN_1259769	NM_008774.2	PABPC1	0.970076677
ILMN_1234336	NM_139117.2	CSDA	0.963301688
ILMN_2616768	NM_029478.3	TMEM49	0.962685453
ILMN_1220441	NM_177343.3	CAMK1D	0.961394255
ILMN_3042324	NM_001013391.1	CPSF6	0.960385419
ILMN_2702374	NM_177167.4	PPM1E	0.954696238
ILMN_2560602	XM_001001363.1	CENTD1	0.951532838
ILMN_1252806	XM_196179.2	LOC268934	0.947131193
ILMN_2822915	NM_172827.1	LNPEP	0.944986953
ILMN_2774140	NM_013686.3	TCP1	0.944597633
ILMN_2603976		F730031O20RIK	0.941059287
ILMN_1236599	XR_032463.1	LOC546090	0.934540891
ILMN_1231873	NM_019770.2	TMED2	0.932848282
ILMN_2670662	NM_144901.2	CSDE1	0.930986399
ILMN_2509139	NM_028173.3	TRAM1	0.929278817
ILMN_1247460	NM_133752.2	OPA1	0.927043166
ILMN_2720836	NM_178446.2	RBM47	0.925172154
ILMN_2739651	NM_009688.1	BIRC4	0.923579927
ILMN_1246359	XR_033125.1	LOC100047009	0.921286623
ILMN_2606567	NM_026195.1	ATIC	0.918191469
ILMN_2625058	NM_133714.4	2310037I24RIK	0.91565254
ILMN_2711615	NM_008362.1	IL1R1	0.912557911
ILMN_2671984	NM_011210.2	PTPRC	0.912523101
ILMN_2544674		2310045K21RIK	0.9103057
ILMN_2759944	NM_011203.2	PTPN12	0.908174219
ILMN_2432039	NM_198416.1	ZZZ3	0.90415063
ILMN_2687602	NM_011138.1	POU2F2	0.903955631
ILMN_1257279	NM_172120.3	VPS41	0.900574169
ILMN_2529490	NM_001033634.2	ZYG11B	0.8978995
ILMN_2692484		KLHL5	0.897207477
ILMN_2499888	NM_198416.2	ZZZ3	0.894707926
ILMN_2603888	NM_153392.1	4922503N01RIK	0.892687625
ILMN_1240218	NM_018889.2	PIGB	0.884798627
ILMN_2539454	XM_001479143.1	LOC100042952	0.884754349
ILMN_2658827	NM_139299.1	IL31RA	0.883469869

ILMN_2648047	XM_357858.1	2010309E21RIK	0.883356903
ILMN_2675239	NM_001009949.1	MCART1	0.882312243
ILMN_2908687	NM_207246.2	RASGRP3	0.880725418
ILMN_3034034	NM_028527.1	1700047I17RIK1	0.879208365
ILMN_2547482		PIGN	0.877999893
ILMN_2640789	NM_177547.3	SGK3	0.874702855
ILMN_2620934	XM_910859.3	MACF1	0.870321996
ILMN_1251169	XM_130859.4	4631434O19RIK	0.868594619
ILMN_1260372	NM_013753.1	X99384	0.865108178
ILMN_2750098	NM_134078.3	CHMP7	0.86456254
ILMN_1230221	NM_133714.4	2310037I24RIK	0.861566284
ILMN_2471289	NM_020267.2	TRIM44	0.861076287
ILMN_1233545	NM_029999.3	LBH	0.861074793
ILMN_1256395		E130208E03RIK	0.860794153
ILMN_2736168	NM_008917.2	PPT1	0.859469016
ILMN_1224653	XR_032194.1	LOC432730	0.858481732
ILMN_2985484	NM_001081411.1	SCLT1	0.857688179
ILMN_3149251	NM_008133.3	GLUD1	0.855971494
ILMN_2736762	NM_025903.1	IFRD2	0.855923634
ILMN_3122922	NM_001039195.1	GRIA2	0.85371629
ILMN_3065373	NM_198607.1	4930572J05RIK	0.852667766
ILMN_1229577	NM_009217.1	SSTR2	0.85189457
ILMN_1227627	NM_025999.1	RNF141	0.851877098
ILMN_2753979	NM_001039103.2	RASA4	0.848149629
ILMN_2691567	NM_026601.1	HYI	0.846487793
ILMN_2676074	XM_001479341.1	LOC100047905	0.842065643
ILMN_3094853	NM_008863.3	PKIB	0.841073969
ILMN_1229687	NM_025999.2	RNF141	0.838273871
ILMN_2497067	NM_144516.1	ZMYND11	0.837702178
ILMN_2606990	NM_023066.2	ASPH	0.836516995
ILMN_2595732	XM_001475817.1	LOC100046232	0.826229618
ILMN_1246301	BC019166.1	SCL0002275.1_1	0.826149947
ILMN_1251750		2810031B20RIK	0.825088528
ILMN_2440059	AF390178.1	SCL0001533.1_63	0.823118423
ILMN_1216239	NM_001081213.1	ERMP1	0.822502205
ILMN_2815802	NM_199302.1	LRSAM1	0.820939132
ILMN_2715304	NM_026267.1	NECAP1	0.818511919
ILMN_1217931	NM_009462.1	USP10	0.817847516
ILMN_2610309	XR_033125.1	LOC100047009	0.817844084
ILMN_2598532	XM_484670.5	EG433144	0.815089713
ILMN_2428782		SCL0003328.1_225	0.814668948
ILMN_2651137	NM_010693.1	LCK	0.812483415
ILMN_1237527	NM_021525.2	RCL1	0.806676499
ILMN_2966162	NM_178936.3	TMEM56	0.805142089
ILMN_2742778	NM_028032.1	PPP2R2A	0.804296532
ILMN_2610771	NM_001047159.1	NET1	0.80242051

ILMN_2626547	NM_016881.2	PMM2	0.802294425
ILMN_1223044	XM_976860.1	LOC665427	0.801291854
ILMN_1219304	NM_001012638.1	ACD	0.801143178
ILMN_1219568	NM_016881.2	PMM2	0.79984672
ILMN_1217993	NM_080471.2	ANKRD6	0.798933767
ILMN_1251995		TTL4	0.791708548
ILMN_3138674	NM_009637.3	AEBP2	0.791563144
ILMN_2733492	XM_911470.2	DDHD2	0.791435921
ILMN_1259075	NM_138314.2	NME7	0.786759788
ILMN_2598402	NM_001081009.1	PARP8	0.785653511
ILMN_2745614	NM_025459.2	1810015C04RIK	0.784128923
ILMN_1230959	NM_001005788.2	ZFP69	0.781921179
ILMN_2890515	NM_008741.1	NSG2	0.781337001
ILMN_3106388	NM_001080118.1	MED1	0.780852261
ILMN_2699645	NM_194054.2	RTN4	0.780435701
ILMN_2626252	NM_007717.1	CMAH	0.780192599
ILMN_1216473	NM_029582.2	TXNDC11	0.780179687
ILMN_2677712	NM_007480.1	ARF5	0.779482235
ILMN_2674351	NM_010332.2	EDNRA	0.777633218
ILMN_2728584	XM_128981.2	HAK-PENDING	0.777566477
ILMN_2970879	NM_016723.1	UCHL3	0.777270172
ILMN_1241414		4930429A08RIK	0.775163191
ILMN_2681604	NM_001038998.1	CCDC23	0.774397218
ILMN_2797061	NM_033268.3	ACTN2	0.768861742
ILMN_2680540	NM_011829.2	IMPDH1	0.763560256
ILMN_2454204		TNFRSF22	0.76326443
ILMN_1259133		9430088P09RIK	0.763153572
ILMN_1251005	NM_026942.2	STOML1	0.761324698
ILMN_2630459	NM_009911.2	CXCR4	0.759063092
ILMN_1222385	NM_145436.2	CDC27	0.75803625
ILMN_1215434	NM_013910.2	FBXL10	0.757685804
ILMN_1245979	XM_355907.1	LOC381891	0.756748447
ILMN_1213014	NM_009471.2	UMPS	0.746768701
ILMN_1259905	NM_001093753.1	SFRS11	0.746033582
ILMN_1231181	NM_025664.5	SNX9	0.744773212
ILMN_1240537	NM_028755.2	ARPP21	0.744756813
ILMN_1259754	NM_011278.3	RNF4	0.740110101
ILMN_1222243	NM_148928.1	GTF3C5	0.739510291
ILMN_2606072	NM_010472.2	HRB	0.736097141
ILMN_1246471	NM_009431.2	CTR9	0.73377977
ILMN_3102035	NM_010488.3	ELAVL4	0.733742371
ILMN_1246034	NM_153160.3	ZCCHC17	0.7325241
ILMN_2506144	NM_019806.5	VAPB	0.731825205
ILMN_2759945	NM_011203.2	PTPN12	0.731561435
ILMN_3116935	NM_177584.3	BTLA	0.731282721
ILMN_2726515	NM_134012.2	MBTD1	0.730300587

ILMN_2717176	NM_016846.3	RGL1	0.729741885
ILMN_2668805	NM_011484.2	STAM	0.728338312
ILMN_2950622	NM_008113.3	ARHGDIG	0.726262315
ILMN_3072536	NM_173363.4	EIF5	0.720450625
ILMN_2740464	NM_008364.1	IL1RAP	0.717647863
ILMN_1255648	NM_007782.1	CSF3R	0.717299177
ILMN_1221516	XM_001479117.1	LOC100048841	0.713490774
ILMN_1242286	NM_001081213.1	ERMP1	0.712533524
ILMN_2617499	NM_025900.1	DEK	0.712509407
ILMN_2524699	XM_135109.4	9430077D24RIK	0.711029546
ILMN_2803399	NM_008567.1	MCM6	0.707432598
ILMN_1222584	NM_001093753.1	SFRS11	0.706310436
ILMN_2526918	NM_001005508.1	ARHGAP30	0.705730605
ILMN_1233380	XM_358815.1	LOC385634	0.705114737
ILMN_2942082	NM_011226.1	RAB19	0.70487986
ILMN_3154419	NM_133200.3	P2RY14	0.703869878
ILMN_2604556	NM_008802.1	PDE7A	0.698697616
ILMN_2615601	NM_028776.4	SCYL3	0.695509546
ILMN_2709935	NM_019796.4	SYNCRIP	0.695275176
ILMN_2685873	NM_153167.2	WDR32	0.694084885
ILMN_1221458	NM_029074.2	TMEM188	0.689824725
ILMN_2747735	NM_133704.4	SEC22A	0.687872472
ILMN_3102643	NM_011561.1	TDG	0.684967475
ILMN_2675170	NM_178089.2	HNRPUL1	0.6834871
ILMN_2752569	NM_145457.3	PAIP1	0.682302209
ILMN_2538092	XM_359051.1	LOC386067	0.681832014
ILMN_2541190	XM_912953.3	1500034J01RIK	0.679995194
ILMN_1249930		ATP6V0A2	0.679762781
ILMN_1247762	NM_013832.3	RASAL1	0.678173509
ILMN_2717975	NM_009331.3	TCF7	0.676942305
ILMN_1215213	NM_001040396.2	2810407C02RIK	0.67330091
ILMN_1232495	XM_001471637.1	LOC100044177	0.667981728
ILMN_2695819	NM_030143.3	DDIT4L	0.666724899
ILMN_2648397	NM_021505.2	ANAPC5	0.663359412
ILMN_1258943	NM_026303.1	ALKBH8	0.656426797
ILMN_2782663	NM_177727.2	LSM14B	0.656202706
ILMN_2436183	NM_021399.2	BCL11B	0.655778747
ILMN_2599072	NM_009820.3	RUNX2	0.654470432
ILMN_2626740		TBP	0.654342242
ILMN_2589039	NM_053071.2	COX6C	0.652910417
ILMN_2608429	NM_013477.3	ATP6V0D1	0.649376004
ILMN_2632206	NM_022000.2	GNAS	0.649116373
ILMN_1244768	NM_009275.4	SRPRB	0.645592308
ILMN_1239464		C030027H14RIK	0.643166313
ILMN_1227988		WINS2	0.63975011
ILMN_1213591		AES	0.638023769

ILMN_2452237	NM_021884.3	TSG101	0.637564793
ILMN_3151722	NM_019671.2	NET1	0.637355721
ILMN_2588391	NM_183423.1	PLA2G12A	0.631165394
ILMN_2598703	NM_010509.1	IFNAR2	0.629964427
ILMN_2623712	NM_009353.2	TERF2	0.629123633
ILMN_2756943	NM_011519.1	SDC1	0.623436043
ILMN_2678400	NM_133766.1	C920006C10RIK	0.620018243
ILMN_2666101	NR_001581.2	SPEER6-PS1	0.614138216
ILMN_2971514	NM_010509.1	IFNAR2	0.611340776
ILMN_2444316	NM_022314.2	TPM3	0.611197696
ILMN_1222167	NM_001039195.1	GRIA2	0.607939342
ILMN_2636463	NM_013685.2	TCF4	0.605758808
ILMN_2616772	XM_891220.2	SLC39A9	0.605136636
ILMN_2722081	NM_007711.2	CLCN3	0.602577799
ILMN_2651273	NM_011396.2	SLC22A5	0.60217761
ILMN_2492377	NM_023230.2	UBE2V1	0.600209265
ILMN_2752873	NM_010708.1	LGALS9	0.599770173
ILMN_1243082	NM_029679.1	6330500D04RIK	0.590137094
ILMN_1224658	NM_016962.1	SPAST	0.589741434
ILMN_2639714	NM_030197.1	2700078E11RIK	0.58621884
ILMN_2686183	NM_025735.1	MAP1LC3A	0.577615008
ILMN_1233784	NM_001008498.2	WDR34	0.577213343
ILMN_2557387		E430005I09RIK	0.574362246
ILMN_1225373	NM_007573.2	C1QBP	0.570578872
ILMN_2671447	NM_011232.2	RAD1	0.570078716
ILMN_2422687	XM_001477026.1	LOC100046895	0.569019856
ILMN_2436890		DHRX	0.568853564
ILMN_2593293	XM_133979.7	PPFIA1	0.5684772
ILMN_2783438	NM_133761.2	DCP1A	0.565483108
ILMN_1256824	NM_173398.2	GPR171	0.558385898
ILMN_2501489	NM_009515.1	WAS	0.557852764
ILMN_1220051	NM_001080130.1	TMPO	0.557026914
ILMN_1226402	XM_284733.2	LOC331507	0.556735547
ILMN_1244310	NM_001033288.3	GM106	0.555376024
ILMN_1220726	NM_009122.1	SATB1	0.553176699
ILMN_2745433	NM_026170.3	ERGIC1	0.551354624
ILMN_2769210	NM_016962.1	SPAST	0.550231683
ILMN_2782964	NM_008813.2	ENPP1	0.54783026
ILMN_1222084	NM_080726.3	REM2	0.546315541
ILMN_2816180	NM_029999.3	LBH	0.546294301
ILMN_2423999	NM_144516.1	ZMYND11	0.539985327
ILMN_2941972	NM_001029876.1	AK122209	0.539570326
ILMN_2603178	NM_009360.4	TFAM	0.536921477
ILMN_3150963	NM_175833.1	CDV3	0.532170015
ILMN_2637757	NM_008250.1	HLX	0.531090854
ILMN_2805829	NM_144886.1	EXOSC2	0.530811971

ILMN_2537068	XM_357429.1	LOC384104	0.527019626
ILMN_2704165	NM_153064.4	NDUFS2	0.520839753
ILMN_1231217	NM_020267.2	TRIM44	0.516038883
ILMN_3163027	NM_145421.1	D10BWG1364E	0.51245976
ILMN_2697270	NM_019575.4	SCAMP4	0.508333814
ILMN_2683822	NM_019706.2	RNF138	0.50759269
ILMN_2630789	NM_080471.3	ANKRD6	0.506189415
ILMN_2684667	NM_026958.2	1810035L17RIK	0.498260827
ILMN_2592093	NM_018854.3	IFT20	0.495040755
ILMN_1225666	NM_025426.2	MED7	0.489738954
ILMN_1248079	NM_172700.2	ZMPSTE24	0.480849706
ILMN_2511953	NM_134131.1	TNFAIP8	0.475210037
ILMN_3148550	NM_001035122.2	GOLM1	0.469980212
ILMN_1218725		1110002E23RIK	0.469400704
ILMN_2734712	NM_001012396.2	PTPLA	0.456197982
ILMN_2715328	NM_053268.2	RASA2	0.449554858
ILMN_1247814	NM_010247.2	XRCC6	0.438919742