

Supplemental Materials and Methods

Patients and Samples

Institutional review board (The Rockefeller University and Weill Cornell Medical College) approval and written informed consent were obtained before enrolling patients to participate in this study. The study was performed in adherence with the Declaration of Helsinki Principles. Cutaneous SCC samples were obtained from debulking during Mohs micrographic surgery. All tumors were obtained from sun-exposed skin. Normal specimens were obtained from non-sun-exposed areas of patients without skin cancer.

LCM

SCC (n=10) and normal skin (n=10) were subjected to LCM. Frozen tissue sections were cut at 8.0 μ m in a -20°C cryostat and placed on membrane mounted metal frame slides (Molecular Machines and Industries, Haslett, MI), then stored at -80°C. Slides were stained with abbreviated Hematoxylin & Eosin (H&E) prior to LCM. LCM was performed following the manufacturer's protocol for the CellCut system (Molecular Machines and Industries). Laser captured tissues were collected in 100.0 μ l of RLT buffer (QIAGEN, Valencia, CA) containing 1% β -mercaptoethanol (Fisher Scientific, Fair Lawn, NJ) within 2 hours after starting H&E staining in order to prevent RNA degradation. The samples in RLT buffer were stored at -80°C until RNA extraction was performed. Normal skin samples used in this study as a reference came from our previous study (Kennedy-Crispin *et al*, 2012)

RNA extraction and quantification

Total RNA from LCM samples was extracted into 24.0 μ l of RNase free water using the RNeasy Micro Kit (QIAGEN) according to the manufacturer's protocol with on-column DNase digestion. Quantitative reverse transcribe polymerase chain reaction (qRT-PCR) for RPLP0/hARP using TaqMan EZ PCR Core Reagent (Applied Biosystems, Foster City, CA) was performed in order to estimate the concentration of RNA. Briefly, 1.0 μ l of total RNA was diluted into 2.0 μ l of RNase free water. One μ l of diluted total RNA was applied into a well with 49.0 μ l of RT-PCR reaction buffer including 3.0 μ l of primers and probe mix. Serial dilutions of total RNA (ranging from 2000.0 pg/ μ l to 1.0 pg/ μ l) extracted from human skin tissues were prepared and used to generate the standard curve. The samples were amplified and quantified by 7900HT Fast Real-Time PCR System (Applied Biosystems) using the following thermal cycler conditions: 2 minutes at 50°C; 30 minutes at 60°C; 5 minutes at 95°C; and 45 cycles of 15 seconds at 95°C followed by 60 seconds at 62°C. Assays were performed in triplicate. The quality of extracted RNA was evaluated using Agilent Bioanalyzer (Agilent, Santa Clara, CA).

RNA amplification and hybridization

One ng of total RNA was subjected to Affymetrix two-cycle cDNA synthesis (Affymetrix, Santa Clara, CA), with a slight modification described previously

(Mitsui *et al.*, 2012). Biotin labeling of cRNA transcripts was done with the GeneChip IVT Labeling Kit (Affymetrix). Fifteen μg of biotin-labeled RNA was fragmented and hybridized to Human Genome U133 A2.0 arrays (Affymetrix) and washed, stained, and scanned according to the manufacturer's protocol. The data have been deposited at the Gene Expression Omnibus repository (GSE42677).

SCC Cell lines

Two human cutaneous SCC cell lines were used in this study. A431 cell line was purchased from ATCC (Manassas, VA). A431 cells were established from an 85-year-old female. This cell line forms growing subcutaneous tumors in immunosuppressed mice (Giard DJ, *et al.* 1973). The histology showed a poorly differentiated SCC. This cell line is able to form lung metastasis when injected intravenously (Price *et al.* 1988). SCC13 cells were kindly provided by professor Rheinwald (Harvard Medical Center, MA). SCC13 cells were established from a tumor on a face of a 56-year-old female. This cell line formed a tumor in subcutaneous regions of nude mice. The histology showed large differentiating cysts with a more organized structure as well as regions of typical SCC, but these cells lack invasive capacity beyond the mouse dermis (Rheinwald and Beckett, 1981).

Cell culture

Dulbecco's Modified Eagle Medium (DMEM), High Glucose (Gibco, Grand Island, NY) supplemented with 10% Fetal Bovine Serum (ATCC) was used to grow A431 and HaCaT cells. SCC13 cells were maintained in the Keratinocyte serum free medium supplemented with 25 $\mu\text{g}/\text{ml}$ bovine pituitary extract, 0.2 ng/ml epidermal growth factor, and 0.4mmol/L CaCl_2 (all from Gibco). The cells were seeded at a density of 1,000 cells/ cm^2 in the appropriate medium in 6-well plate at 37°C in a humidified atmosphere containing 5% CO_2 . The cells were starved in empty media for 24 hours when they reached more than 90% confluence, followed by stimulation with one of following cytokines for 24 hours: IL-20 (100ng/ml, R&D, Minneapolis, MN), IL-24 (40ng/ml or 100ng/ml, R&D), TNF- α (10ng/ml), TGF- α (20ng/ml), and IFN- γ (20ng/ml). After cytokine treatment, the cells were lysed in RLT buffer (QIAGEN) containing 1% β -mercaptoethanol (Fisher Scientific), and total RNA was extracted.

Wound healing assay

A431 cells were seeded into a 12 well flask in 2 ml of DMEM supplemented with 10%FBS. When they reached more than 90% confluence, a wound was using a 200 μl pipet tip. The cells were washed twice with PBS and 2ml of DMEM supplemented with either 0.1% or 10% FBS was added. An MMP7Ab (Ito *et al.* 2007) (R&D systems) was added to the media at the indicated concentrations (PBS only, 20ng/ml, 200ng/ml, and 2000ng/ml). The wounds were photographed at 0, 12, 24, and 36 hours. The area of wound was estimated by measuring pixels using the ImageJ program (NIH, Bethesda, MD). Two independent areas were photographed from single wound of each condition at each time point and

average of those two areas were taken. The experiment was repeated three times. A percent of wound closure was calculated using the following equation:

$$[\% \text{ wound closure}] = ([\text{pixels at 0h}] - [\text{pixels at each time point}]) / [\text{pixels at 0h}]$$

Pre-amplification quantitative RT-PCR

Pre-amplification quantitative RT-PCR technique was used for measuring 23 MMPs, IL-20, IL-24, IL20 receptor (IL20R)1, IL20R2, and IL22R1 values in total RNA extracted from laser captured samples according to the company's instruction (Applied Biosystems). This technique allows us to evaluate up to 100 targets from as low as 1 ng of cDNA by quantitative PCR measurement. Briefly, five ng of total RNA was subjected to first-strand cDNA synthesis using High Capacity cDNA Reverse Transcription Kits (Applied Biosystems). The resulting cDNA was subjected to 14 cycles of pre-amplification using TaqMan PreAmp Master Mix Kit (Applied Biosystems) with desired pooled assay mix (Applied Biosystems). The Gene Amp PCR System 9700 (Applied Biosystems) was used for pre-amplification reaction with the following thermal cycler conditions: 10 min at 95°C and 14 cycles of 15 seconds at 95°C followed by 4 min at 60°C. 12.5µl of pre-amplified cDNA was then used for quantitative PCR reaction using TaqMan Gene Expression Master Mix (Applied Biosystems). The 7900HT Fast Real-Time PCR System was used for PCR reaction, and the thermal cycler conditions were as follows: 2 minutes at 50°C, 5 minutes at 95°C, and 40 cycles of 15 seconds at 95°C followed by 60 seconds at 60°C. All reactions were performed in duplicate. All data were normalized to RPLP0/hARP. Primers and probes used in this experiment are listed in Table S7.

Quantitative RT-PCR

Regular TaqMan RT-PCR method was used to detect the MMP7, MMP13, and IL-24 signals in total RNA extracted from cultured cells. Ten ng of total RNA was used for each reaction. The TaqMan EZ PCR core reagents (Applied Biosystems) were used with the 7900HT Fast Real-Time PCR System. Thermal cycler conditions were as follows: 2 minutes at 50°C, 30 minutes at 60°C, 5 minutes at 95°C, and 40 cycles of 15 seconds at 95°C followed by 60 seconds at 60°C. All reagents were purchased from Applied Biosystems. All data were normalized to RPLP0/hARP. For the analysis, a value of 0 (no amplification) was replaced with 25% of the minimum quantity for each gene in order to obtain logarithmic values. Primers and probes used in this experiment are listed in Table S8.

Immunohistochemistry (IHC)

Frozen skin sections were prepared. Tissue sections were incubated with primary antibodies at 4°C overnight. Secondary biotin-labeled horse anti-mouse antibody (Vector Laboratories, Burlingame, CA) was amplified with avidin-biotin complex (Vector Laboratories). We used the chromogen 3-Amino-9 ethylcarbazole (Sigma-Aldrich, St. Louis, MO). Antibodies used in this experiment are listed in Table S7.

Statistical analysis

cDNA microarray data were analyzed using R/Bioconductor packages (www.r-project.org). The Harshlight package (Suárez-Fariñas *et al*, 2005) was used to scan Affymetrix chips for spatial artifacts. Expression values were obtained using gcrma algorithm. Probe-sets with standard deviation larger than 0.2 and expression values above 3 for at least 3 samples were included in the analysis. Expression values were linearly modeled in the *limma* package framework. For the comparison of interest, the moderated t-test was used to assess differential expression. P-values for each comparison were adjusted for multiple hypotheses using the Benjamini-Hochberg approach. Genes with false discovery rate (FDR)<0.05 and fold change (FCH)>3.0 were considered as differentially expressed genes (DEGs).

Statistical analysis of all RT-PCR data was performed using Graphpad Prism ver.5 (GraphPad Software, La Jolla, USA). One-way ANOVA followed by Tukey's multiple comparison correction was performed. A $p<0.05$ was considered as statistically significant.

Supplemental References

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Suárez-Fariñas M, Pellegrino M, Wittkowski KM *et al.* Harshlight: a "Corrective Make-Up" Program for Microarray Chips. *BMC Bioinformatics* 2005; 6; 294

Table S5. Canonical pathways found to be significant in SCC invasion signature gene set.

Canonical pathway	p-value	Molecules in the pathway
Leukocyte Extravasation Signaling	9.56x10 ⁻⁴	MMP7,PXN,ICAM1,PRKCQ,MMP3,CXCR4,MMP13,CLDN7,PIK3R3,GNAI2,WASL,TIMP1,VAV3,MAPK10,MMP12,CTTN,MMP17,ARHGAP8/PRR5-ARHGAP8
Aryl Hydrocarbon Receptor Signaling	1.46x10 ⁻³	CDKN2A,CCNE2,null,NFIC,ALDH8A1,EP300,JUN,ALDH1A3,ALDH3A2,ALDH18A1,NFIB,CDKN1B,ESR1,ALDH5A1
HIF1 α Signaling	1.54x10 ⁻³	NOS1,PIK3R3,MMP7,JUN,MMP3,MAPK10,MMP13,VEGFC,MMP12,MMP17,P4HTM,EP300
RAR Activation	2.17x10 ⁻³	ADCY2,PRKCQ,RBP1,EP300,PIK3R3,CSF2RB,KAT2B,CSNK2A2,JUN,DHRS9,ALDH1A3,SMARCA2,MAPK10,NCOR1,PML,CITED2
LPS/IL-1 Mediated Inhibition of RXR Function	2.57x10 ⁻³	null,ALDH8A1,IL1R1,ABCA1,PAPSS2,IL1R2,ACSBG1,JUN,ALDH1A3,ALDH3A2,CHST3,ALAS1,CHST11,HS3ST1,ALDH18A1,TNFRSF1B,ALDH5A1
Hepatic Fibrosis / Hepatic Stellate Cell Activation	3.33x10 ⁻³	IL8,ICAM1,FN1,IFNGR2,MMP13,VEGFC,FGFR2,IL1R1,CCL5,IL1R2,TIMP1,EDNRA,TNFRSF1B
ILK Signaling	3.73x10 ⁻³	MUC1,PXN,FN1,RHOC,FERMT2,PPP2R3B,VEGFC,PIK3R3,JUN,KRT18,PPAP2B,MAPK10,RPS6KA4,IRS2,RPS6KA5,PPP2R1B
Pathogenesis of Multiple Sclerosis	5.80x10 ⁻³	CXCL10,CCL4,CCL5
HMGB1 Signaling	8.09x10 ⁻³	PIK3R3,IL8,KAT2B,ICAM1,JUN,RHOC,MAPK10,IFNGR2,IL1R1,TNFRSF1B
Melanocyte Development and Pigmentation Signaling	1.04x10 ⁻²	TYRP1,PIK3R3,ADCY2,KIT,RPS6KA4,RPS6KA5,DCT,RPS6KA1,EP300
Bladder Cancer Signaling	1.12x10 ⁻²	CDKN2A,IL8,MMP7,MMP3,MMP13,VEGFC,RPS6KA5,MMP12,MMP17
Lysine Degradation	1.14x10 ⁻²	BLMH,SOLH,FGL2,MMP13,ELOVL6,ALDH1A3,ALDH3A2,CASP1,ALDH5A1,PLOD3,KYNU,GZMB,BMP1
IL-17 Signaling	1.55x10 ⁻²	CXCL10,PIK3R3,IL8,JUN,MMP3,TIMP1,MAPK10,CXCL1
VDR/RXR Activation	1.94x10 ⁻²	CXCL10,SPP1,PRKCQ,IL1RL1,NCOR1,CCL5,CDKN1B,EP300
Glycerolipid Metabolism	1.95x10 ⁻²	AGPAT4,SPHK2,DHRS9,ALDH1A3,ALDH3A2,PPAP2B,MGLL,AKR1B1,ALDH5A1
Aggrin Interactions at Neuromuscular Junction	2.52x10 ⁻²	PXN,JUN,MAPK10,ITGA6,ITGA5,ITGA3,CTTN
PPAR Signaling	2.54x10 ⁻²	IL1R2,JUN,NCOR1,IL1R1,TNFRSF1B,NFKBIB,CITED2,EP300
Type I Diabetes Mellitus Signaling	3.14x10 ⁻²	PIAS1,MAPK10,IFNGR2,HLA-DOB,IL1R1,TNFRSF1B,NFKBIB,IRF1,GZMB
Methionine Metabolism	3.65x10 ⁻²	null,BHMT,ALAS1,MTR
IL-6 Signaling	3.69x10 ⁻²	IL1R2,IL8,CSNK2A2,JUN,MAPK10,IL1R1,TNFRSF1B,NFKBIB
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	3.86x10 ⁻²	PIK3R3,JUN,PRKCQ,RHOC,MAPK10,IFNGR2,PPP2R3B,TNFRSF1B,NFKBIB,PPP2R1B,IRF1,SIRPA
Bile Acid Biosynthesis	3.90x10 ⁻²	DHRS9,ALDH1A3,SRD5A1,ALDH3A2,ALDH5A1
Inhibition of Angiogenesis by TSP1	4.08x10 ⁻²	CD47,JUN,HSPG2,GUCY1A3
Death Receptor Signaling	4.10x10 ⁻²	TNFRSF21,TNFRSF10B,TNFSF10,TNFRSF1B,NFKBIB,DIABLO
Induction of Apoptosis by HIV1	4.40x10 ⁻²	CXCR4,MAPK10,TNFRSF1B,NFKBIB,DIABLO,BAK1
OX40 Signaling Pathway	4.62x10 ⁻²	JUN,MAPK10,HLA-DOB,NFKBIB,HLA-DPA1
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	4.85x10 ⁻²	SPP1,MMP3,ITGA5,MMP13,IL1R1,ITGA3,PIK3R3,IL1R2,NFAT5,JUN,MAPK10,BMP7,NFKBIB,TNFRSF1B,BMP1
Amyotrophic Lateral Sclerosis Signaling	4.88x10 ⁻²	NOS1,PIK3R3,NEFL,CASP1,NEFM,GLUL,VEGFC,CAPN7

Table S6. Results of the proportional odds model

	Beta	e ^{beta}	SEM	LCI	UCI	<i>P</i>
MMP10	0.30	1.35	0.09	0.15	0.54	<0.0001
MMP1	0.23	1.25	0.07	0.11	0.38	<0.0001
MMP13	0.56	1.75	0.19	0.25	1.03	<0.0001
MMP7	0.23	1.26	0.08	0.09	0.40	0.0006
MMP12	0.26	1.30	0.09	0.10	0.45	0.0008
MMP3	0.24	1.27	0.08	0.09	0.42	0.0011
MMP11	0.47	1.60	0.17	0.17	0.86	0.0015
MMP17	1.03	2.81	0.38	0.34	1.88	0.0024
MMP9	0.66	1.94	0.25	0.22	1.22	0.0025
MMP25	0.54	1.72	0.23	0.14	1.05	0.0074
MMP2	0.46	1.59	0.20	0.11	0.90	0.0083
MMP16	0.19	1.20	0.08	0.04	0.36	0.0133
MMP24	0.53	1.70	0.23	0.09	1.03	0.0175
MMP19	0.46	1.59	0.22	0.06	0.94	0.0224
MMP15	0.80	2.22	0.52	-0.15	1.95	0.1021
MMP27	0.24	1.27	0.16	-0.07	0.57	0.1246
MMP20	0.47	1.60	0.33	-0.15	1.23	0.1384
MMP14	0.61	1.84	0.43	-0.20	1.53	0.1406
MMP28	-0.39	0.68	0.28	-1.00	0.14	0.1487
MMP21	-0.12	0.89	0.09	-0.30	0.05	0.1824
MMP23B	-0.21	0.81	0.32	-0.90	0.40	0.5094
MMP8	-0.12	0.89	0.27	-0.71	0.46	0.6571
MMP26	NA	NA	NA	NA	NA	NA

Proportional odds model indicates that gene expression of MMPs increases the odds of being in a higher path towards malignancy. A $p < 0.05$ was considered as significant. MMP26 could not be evaluated since the expression of this gene in all normal epidermis and AK regions were not detected at all.

Table S7. Primers and probes used in this study

Gene symbol	GenBank accession number	Sequence	
RPLP0/hARP	NM_001002	Forward	CGCTGCTGAACATGCTCAA
		Reverse	TGTCGAACACCTGCTGGATG
		Probe	6-FAM-TCCCCCTTCTCCTTTGGGCTGG-TAMRA
		Assay ID	
MMP1	NM_002412.1	Hs00899658_m1	
MMP2	NM_004521.1	Hs01548727_m1	
MMP3	NM_002413.1	Hs00968305_m1	
MMP7	NM_002414.1	Hs01042796_m1	
MMP8	NM_002415.1	Hs01029057_m1	
MMP9	NM_004985.2	Hs00234579_m1	
MMP10	NM_002416.1	Hs00233987_m1	
MMP11	NM_005931.2	Hs00171829_m1	
MMP12	NM_002417.2	Hs00159178_m1	
MMP13	NM_002418.1	Hs00233992_m1	
MMP14	NM_004986.1	Hs00237119_m1	
MMP15	NM_002419.1	Hs00233997_m1	
MMP16	NM_005932.2	Hs00234676_m1	
MMP17	NM_057239.4	Hs00211754_m1	
MMP19	NM_002420.1	Hs00275699_m1	
MMP20	NM_004762.2	Hs01573770_m1	
MMP21	NM_147191.1	Hs00377680_m1	
MMP23B	NM_006983.1	Hs04187882_g1	
MMP24	NM_006690.3	Hs01084645_m1	
MMP25	NM_022468.4	Hs01554789_m1	
MMP26	NM_021801.3	Hs00983740_m1	
MMP27	NM_022122.2	Hs00223193_m1	
MMP28	NM_024302.3	Hs01020031_m1	
IL-20	NM_018724.3	Hs00218888_m1	
IL-24	NM_006850.3	Hs01114274_m1	
IL-20R1	NM_014432.2	Hs00205346_m1	
IL-20R2	NM_144717.3	Hs00376373_m1	
IL-22RA1	NM_021258.3	Hs00222035_m1	

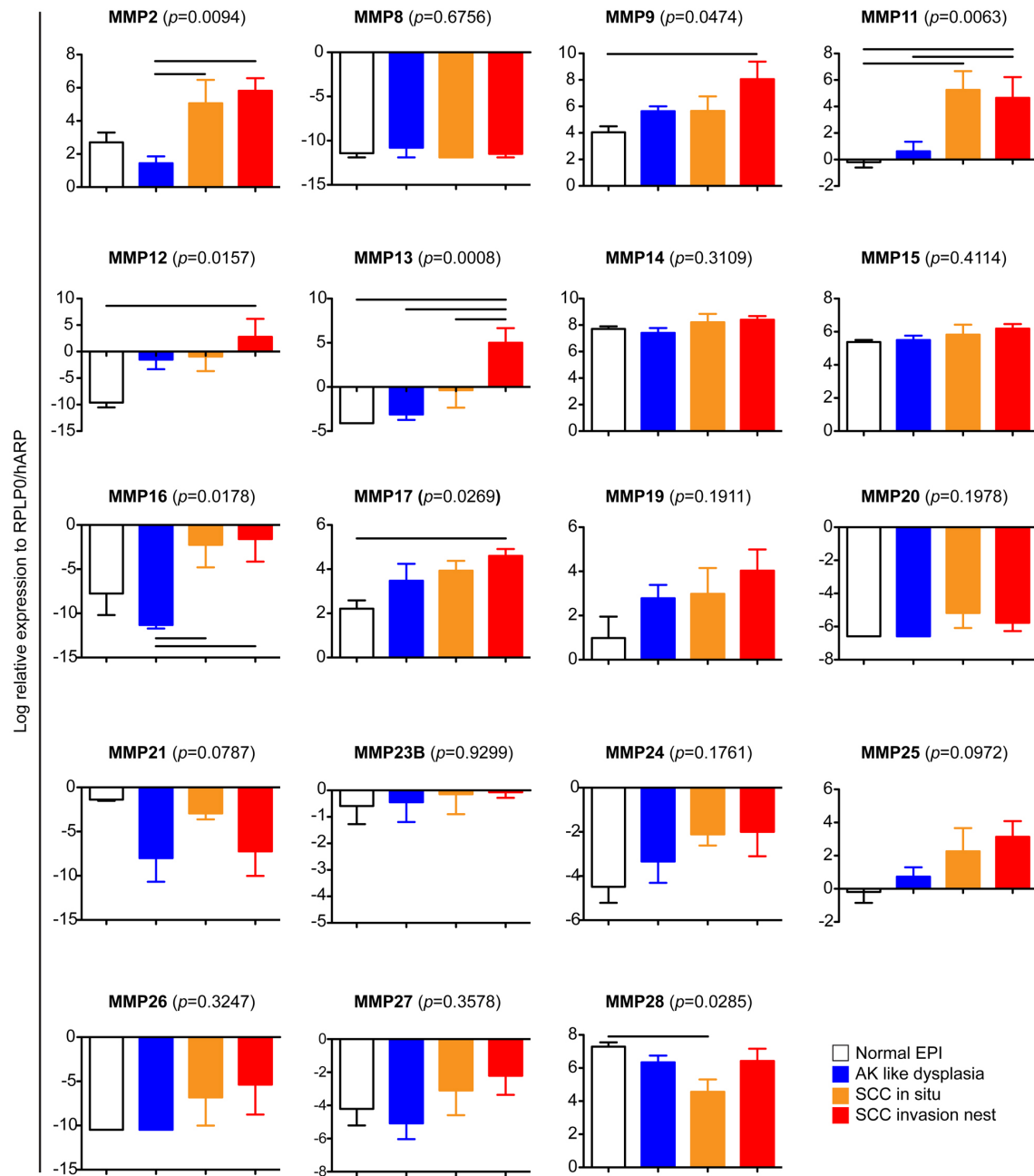
All primers and probes were purchased from Applied Biosystems

Table S8. Antibodies used for immunohistochemistry

Antigen	Manufacturer	Clone	Iso type	Dilution
MMP1	abcam	SB12e	IgG2b	1:100
MMP3	abcam	SB14d	IgG1	1:50
MMP7	abcam	ID2	IgG2b	1:20
MMP10	abcam	5E4	IgG1	1:25
IL24	R&D systems	283123	IgG2b	1:100

All antibodies used in this experiment were mouse monoclonal.

Figure S1

**Figure S1. MMP expression across regions in SCC.**

mRNA expression levels of MMPs were examined by preamplification qRT-PCR across microdissected tissues from cutaneous SCC. A p value for each MMP was obtained among four regions using one-way ANOVA with Tukey's correction. The resultant p values are shown in parentheses. A line between two bar indicates statistical significance between two regions.

Figure S2

Correlation of FCH between gene chip and pre-amp RT-PCR

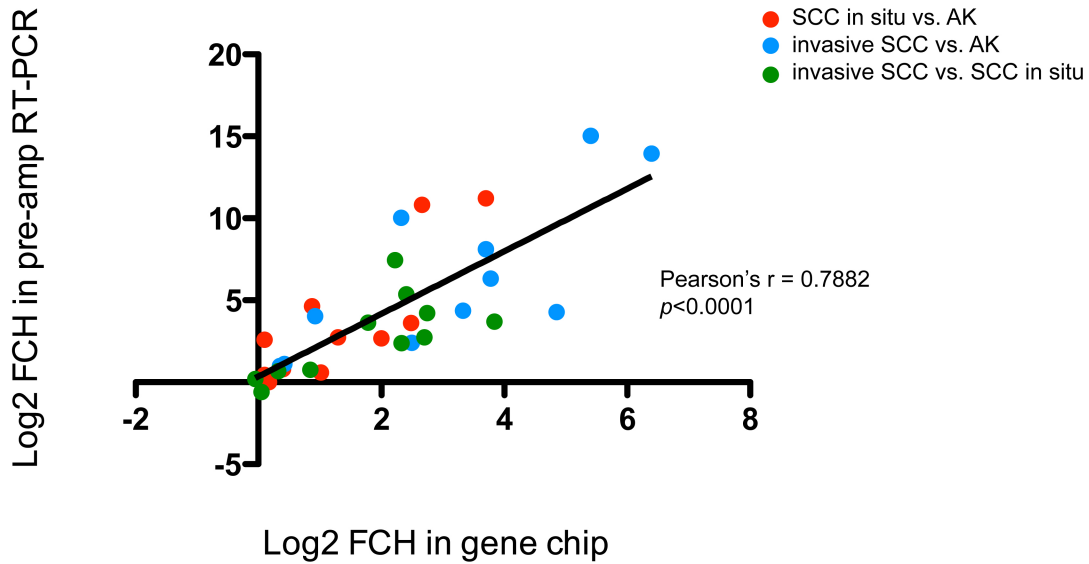


Figure S2. Correlation of FCH between genechip and pre-amp RT-PCR

FCH in Log_2 obtained from cDNA microarray (x-axis) and pre-amplification RT-PCR (y-axis) was correlated as evidenced by Pearson's $r=0.7882$ ($p<0.0001$), when the 11 genes detected in both methods were compared [33 dots from three comparisons (AK vs. SCC in situ, invasive SCC vs. AK, and invasive SCC vs. SCC in situ) for 11 targets].

Figure S3.

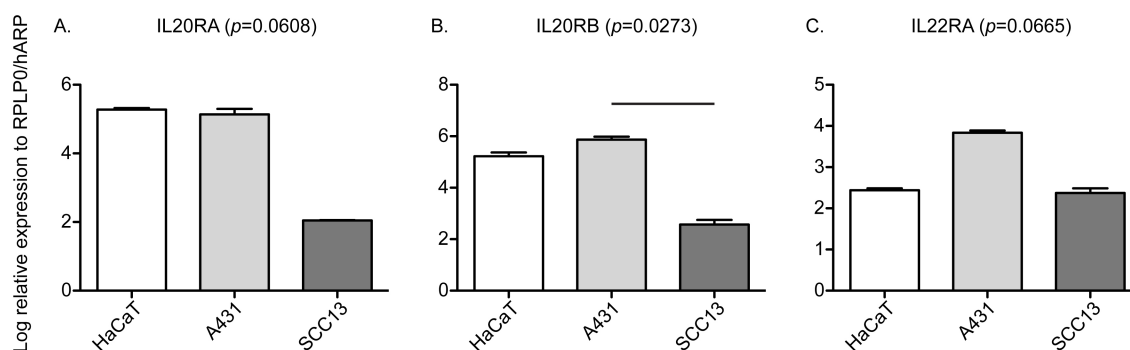
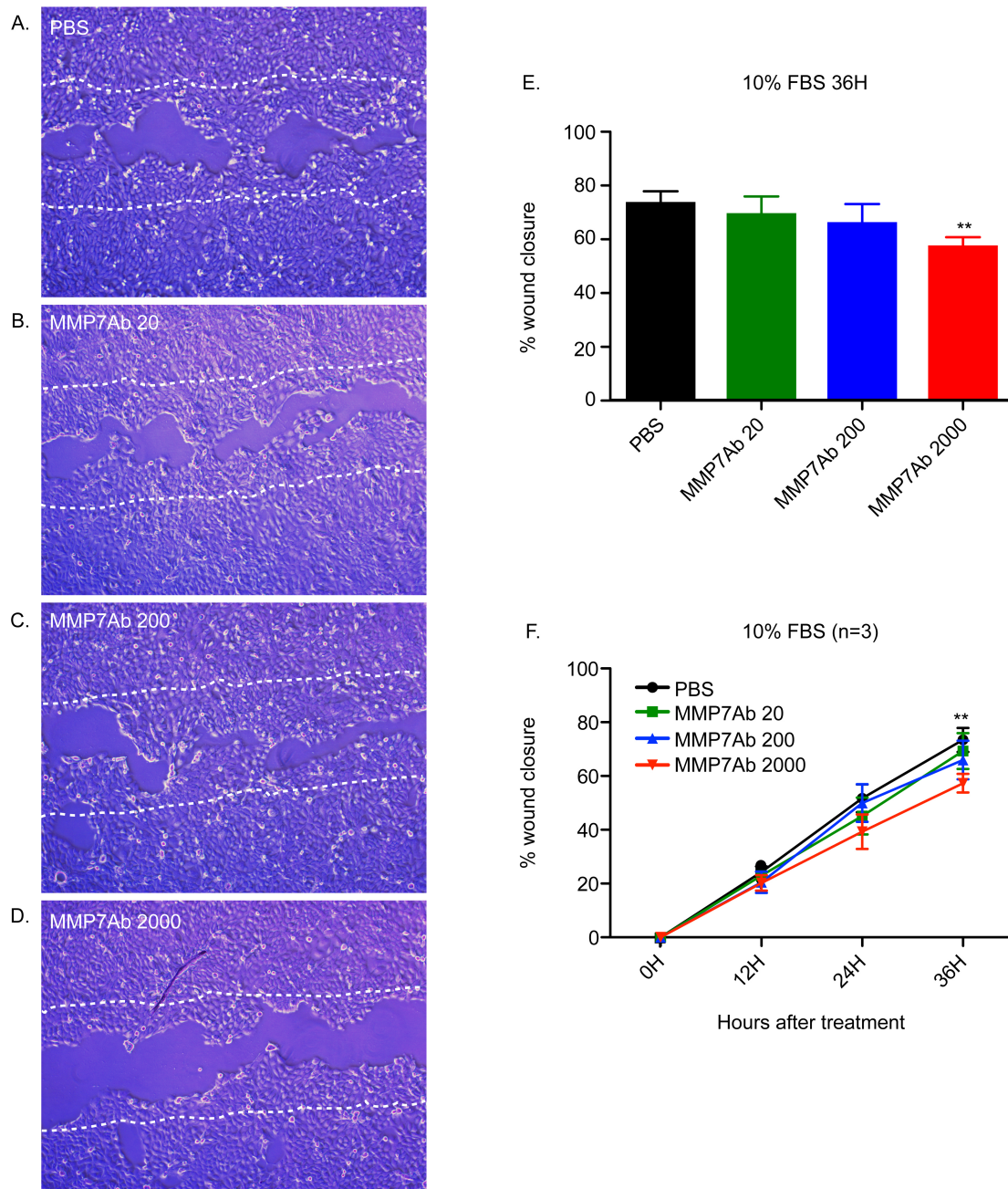


Figure S3. *IL-24* receptor subunits expression in the three cell lines. mRNA expression of *IL-24* receptor subunits [(A) *IL20RA*, (B) *IL20RB*, and (C) *IL22RA*] were examined in the three cell lines (HaCaT, A431, and SCC13 cells). Total RNA was extracted from the cells treated with PBS for 4 hours. A p value for each receptor was obtained among the three cell types using repeated measures ANOVA with Tukey's correction. The resultant p values are shown in parentheses. A line between two bar indicates statistical significance between two cell types.

Figure S4.**Figure S4. Blocking of MMP7 delayed the wound closure of A431 cells.**

Scratch was made on A431 cells at 90% confluence and cells were cultured in 10%FBS containing media with or without indicated concentrations of anti MMP7 antibody (MMP7Ab) for 36 hours. Cells were photographed every 12 hours. (A-D) Representative images of wound after a 36 hour cultivation with (A) PBS, (B) 20ng/ml of MMP7Ab, (C) 200ng/ml of MMP7Ab, and (D) 2000ng/ml of MMP7Ab. Two white dotted lines depict the initial area of scratch. (E) The bar graph shows

mean of percent wound closure for each treatment after 36 hours. (F) The graph depicts the chronological change of the percent wound closure for each condition. An error bar shows SEM (n=3). **; $p < 0.01$ between MMP7Ab2000 vs. PBS, MMP7Ab20, and MMP7Ab200 for a 36H treatment (repeated measures ANOVA with Tukey's correction).

Table S1. Invasion signature gene set of cutaneous SCC (FCH>3.0 and FDR<0.05)
383 up- and 354 down-regulated probesets

Probe	Symbol	Description	FCH-AK vs NormalEpidermis	IgFCH-AK vs NormalEpidermis	P-AK vs NormalEpidermis	fdr-AK vs NormalEpidermis	Status-AK vs NormalEpidermis	FCH-SCCinSitu vs NormalEpidermis	IgFCH-SCCinSitu vs NormalEpidermis	P-SCCinSitu vs NormalEpidermis	fdr-SCCinSitu vs NormalEpidermis	Status-SCCinSitu vs NormalEpidermis	FCH-SCCinvasive vs NormalEpidermis	IgFCH-SCCinvasive vs NormalEpidermis	P-SCCinvasive vs NormalEpidermis	fdr-SCCinvasive vs NormalEpidermis	Status-SCCinvasive vs NormalEpidermis
213256_at	3-Mar	membrane-asso	0.72	-0.47	0.42	0.53	0	0.43	-1.23	0.04	0.06	0	0.21	-2.27	0.00	0.00	-1
200778_s_at	2-Sep	septin 2	1.75	0.81	0.02	0.05	0	2.52	1.34	0.00	0.00	0	3.09	1.63	0.00	0.00	1
208999_at	8-Sep	septin 8	0.48	-1.07	0.00	0.00	0	0.43	-1.21	0.00	0.00	0	0.30	-1.74	0.00	0.00	-1
201307_at	11-Sep	septin 11	1.27	0.34	0.59	0.69	0	1.85	0.89	0.16	0.24	0	3.25	1.70	0.01	0.01	1
205969_at	AADAC	arylacetamide de	1.34	0.42	0.43	0.54	0	0.47	-1.09	0.05	0.08	0	0.16	-2.62	0.00	0.00	-1
203504_s_at	ABCA1	ATP-binding cas	0.38	-1.39	0.00	0.00	0	0.45	-1.15	0.01	0.01	0	0.28	-1.82	0.00	0.00	-1
205142_x_at	ABCD1	ATP-binding cas	2.05	1.04	0.00	0.00	0	2.63	1.40	0.00	0.00	0	3.21	1.68	0.00	0.00	1
202850_at	ABCD3	ATP-binding cas	0.54	-0.88	0.00	0.00	0	0.42	-1.26	0.00	0.00	0	0.28	-1.84	0.00	0.00	-1
203981_s_at	ABCD4	ATP-binding cas	0.35	-1.52	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
209028_s_at	ABI1	abl-interactor 1	0.39	-1.34	0.00	0.00	0	0.37	-1.45	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
221641_s_at	ACOT9	acyl-CoA thioest	0.89	-0.17	0.61	0.70	0	1.38	0.46	0.16	0.23	0	3.67	1.88	0.00	0.00	1
206465_at	ACSBG1	acyl-CoA synthe	0.93	-0.10	0.84	0.89	0	0.38	-1.41	0.01	0.02	0	0.15	-2.71	0.00	0.00	-1
220705_s_at	ADAMT5	ADAM metallope	2.06	1.04	0.00	0.00	0	2.41	1.27	0.00	0.00	0	3.04	1.60	0.00	0.00	1
213217_at	ADCY2	adenylate cyclas	0.98	-0.03	0.96	0.97	0	0.36	-1.46	0.03	0.05	0	0.18	-2.51	0.00	0.00	-1
202912_at	ADM	adrenomedullin	2.83	1.50	0.00	0.00	0	2.69	1.43	0.01	0.01	0	4.52	2.18	0.00	0.00	1
222362_at	AGFG2	ArfGAP with FG	0.80	-0.33	0.26	0.36	0	0.34	-1.55	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
219693_at	AGPAT4	1-acylglycerol-3-	1.97	0.98	0.00	0.00	0	2.94	1.56	0.00	0.00	0	3.01	1.59	0.00	0.00	1
209901_x_at	AIF1	allograft inflamm	2.34	1.23	0.00	0.00	0	2.05	1.04	0.00	0.00	0	3.16	1.66	0.00	0.00	1
206513_at	AIM2	absent in melanc	1.80	0.85	0.24	0.34	0	2.72	1.44	0.05	0.08	0	14.61	3.87	0.00	0.00	1
215789_s_at	AJAP1	adherens junctio	1.63	0.71	0.06	0.11	0	2.45	1.30	0.00	0.00	0	4.85	2.28	0.00	0.00	1
206460_at	AJAP1	adherens junctio	1.17	0.23	0.44	0.55	0	1.93	0.95	0.00	0.00	0	3.18	1.67	0.00	0.00	1
208967_s_at	AK2	adenylate kinase	2.09	1.06	0.00	0.00	0	2.83	1.50	0.00	0.00	0	3.15	1.66	0.00	0.00	1
208325_s_at	AKAP13	A kinase (PRKA)	0.41	-1.30	0.03	0.05	0	0.34	-1.57	0.01	0.01	0	0.30	-1.73	0.00	0.00	-1
201272_at	AKR1B1	aldo-keto reduct	2.17	1.12	0.01	0.01	0	2.95	1.56	0.00	0.00	0	3.04	1.61	0.00	0.00	1
218487_at	ALAD	aminolevulinate,	0.59	-0.77	0.00	0.00	0	0.42	-1.26	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
205633_s_at	ALAS1	aminolevulinate,	2.20	1.14	0.00	0.00	0	2.45	1.29	0.00	0.00	0	3.36	1.75	0.00	0.00	1
217791_s_at	ALDH18A1	aldehyde dehydr	2.78	1.48	0.00	0.00	0	2.74	1.45	0.00	0.00	0	3.29	1.72	0.00	0.00	1
203180_at	ALDH1A3	aldehyde dehydr	0.75	-0.42	0.51	0.61	0	0.75	-0.41	0.52	0.60	0	4.38	2.13	0.00	0.00	1
202053_s_at	ALDH3A2	aldehyde dehydr	0.72	-0.48	0.20	0.30	0	0.40	-1.34	0.00	0.00	0	0.23	-2.13	0.00	0.00	-1
203608_at	ALDH5A1	aldehyde dehydr	0.93	-0.10	0.85	0.89	0	0.34	-1.54	0.01	0.01	0	0.20	-2.33	0.00	0.00	-1
220148_at	ALDH8A1	aldehyde dehydr	0.46	-1.12	0.07	0.12	0	0.35	-1.50	0.02	0.03	0	0.26	-1.96	0.00	0.00	-1
207206_s_at	ALOX12	arachidonate 12-	1.26	0.34	0.36	0.47	0	0.38	-1.40	0.00	0.00	0	0.14	-2.84	0.00	0.00	-1
201196_s_at	AMD1	adenosylmethior	2.73	1.45	0.00	0.00	0	2.77	1.47	0.00	0.00	0	3.15	1.66	0.00	0.00	1

221825_at	ANGEL2	angel homolog 2	0.58	-0.80	0.00	0.00	0	0.37	-1.42	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
212289_at	ANKRD12	ankyrin repeat d	0.57	-0.82	0.01	0.01	0	0.40	-1.33	0.00	0.00	0	0.31	-1.68	0.00	0.00	-1
216563_at	ANKRD12	ankyrin repeat d	0.46	-1.13	0.01	0.01	0	0.34	-1.56	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
201012_at	ANXA1	annexin A1	0.93	-0.10	0.81	0.86	0	2.45	1.29	0.00	0.00	0	4.35	2.12	0.00	0.00	1
211712_s_at	ANXA9	annexin A9	1.17	0.23	0.74	0.81	0	0.54	-0.90	0.19	0.26	0	0.13	-2.95	0.00	0.00	-1
214875_x_at	APLP2	amyloid beta (A4	1.94	0.95	0.02	0.04	0	2.88	1.53	0.00	0.00	0	3.58	1.84	0.00	0.00	1
204205_at	APOBEC3G	apolipoprotein B	2.45	1.29	0.02	0.03	0	2.55	1.35	0.01	0.02	0	6.96	2.80	0.00	0.00	1
212583_at	AQR	aquarius homolo	0.37	-1.42	0.00	0.00	0	0.54	-0.89	0.02	0.03	0	0.30	-1.76	0.00	0.00	-1
221030_s_at	ARHGAP24	Rho GTPase act	0.54	-0.90	0.01	0.02	0	0.39	-1.36	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
203910_at	ARHGAP29	Rho GTPase act	0.84	-0.25	0.64	0.73	0	0.45	-1.15	0.03	0.06	0	0.20	-2.33	0.00	0.00	-1
202208_s_at	ARL4C	ADP-ribosylation	1.91	0.93	0.01	0.01	0	1.92	0.94	0.01	0.01	0	3.36	1.75	0.00	0.00	1
210980_s_at	ASAH1	N-acylsphingosir	0.59	-0.76	0.00	0.00	0	0.42	-1.27	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
219103_at	ASAP3	ArfGAP with SH3	0.59	-0.76	0.08	0.13	0	0.36	-1.48	0.00	0.00	0	0.18	-2.44	0.00	0.00	-1
219918_s_at	ASPM	asp (abnormal sj	0.59	-0.76	0.23	0.33	0	0.37	-1.43	0.03	0.05	0	0.33	-1.62	0.01	0.02	-1
217550_at	ATF6	activating transcr	0.35	-1.50	0.00	0.00	0	0.44	-1.20	0.00	0.00	0	0.30	-1.76	0.00	0.00	-1
220920_at	ATP10B	ATPase, class V	1.40	0.49	0.23	0.34	0	0.69	-0.54	0.19	0.26	0	0.27	-1.87	0.00	0.00	-1
201243_s_at	ATP1B1	ATPase, Na+/K+	1.68	0.75	0.21	0.31	0	2.08	1.05	0.08	0.13	0	3.34	1.74	0.01	0.01	1
209281_s_at	ATP2B1	ATPase, Ca++ tr	0.36	-1.47	0.00	0.00	0	0.42	-1.24	0.00	0.00	0	0.30	-1.75	0.00	0.00	-1
206043_s_at	ATP2C2	ATPase, Ca++ tr	1.09	0.13	0.75	0.82	0	0.87	-0.20	0.63	0.70	0	0.22	-2.18	0.00	0.00	-1
217603_at	ATP6V0A2	ATPase, H+ tran	0.47	-1.09	0.03	0.06	0	0.35	-1.53	0.00	0.00	0	0.28	-1.86	0.00	0.00	-1
200078_s_at	ATP6V0B	ATPase, H+ tran	2.65	1.41	0.00	0.00	0	2.54	1.34	0.00	0.00	0	3.32	1.73	0.00	0.00	1
213587_s_at	ATP6V0E2	ATPase, H+ tran	0.80	-0.32	0.45	0.55	0	0.38	-1.39	0.00	0.00	0	0.17	-2.59	0.00	0.00	-1
205197_s_at	ATP7A	ATPase, Cu++ tr	0.52	-0.94	0.00	0.00	0	0.81	-0.31	0.31	0.39	0	0.22	-2.21	0.00	0.00	-1
208859_s_at	ATRX	alpha thalassem	0.36	-1.49	0.00	0.00	0	0.39	-1.37	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
208860_s_at	ATRX	alpha thalassem	0.43	-1.20	0.01	0.01	0	0.51	-0.98	0.02	0.04	0	0.27	-1.89	0.00	0.00	-1
213589_s_at	B3GNTL1	UDP-GlcNAc:bet	0.67	-0.58	0.04	0.08	0	0.51	-0.96	0.00	0.00	0	0.25	-1.98	0.00	0.00	-1
210540_s_at	B4GALT4	UDP-Gal:betaGlc	0.34	-1.57	0.00	0.00	0	0.39	-1.35	0.00	0.00	0	0.29	-1.79	0.00	0.00	-1
203728_at	BAK1	BCL2-antagonist	2.20	1.14	0.00	0.00	0	2.18	1.13	0.00	0.00	0	3.55	1.83	0.00	0.00	1
219498_s_at	BCL11A	B-cell CLL/lymph	0.76	-0.40	0.31	0.42	0	0.38	-1.40	0.00	0.00	0	0.23	-2.11	0.00	0.00	-1
219497_s_at	BCL11A	B-cell CLL/lymph	0.65	-0.62	0.19	0.28	0	0.34	-1.57	0.00	0.00	0	0.20	-2.36	0.00	0.00	-1
203140_at	BCL6	B-cell CLL/lymph	0.52	-0.96	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.32	-1.66	0.00	0.00	-1
214499_s_at	BCLAF1	BCL2-associatex	0.47	-1.10	0.01	0.01	0	0.34	-1.55	0.00	0.00	0	0.27	-1.89	0.00	0.00	-1
205870_at	BDKRB2	bradykinin recep	1.87	0.90	0.04	0.08	0	2.19	1.13	0.01	0.02	0	3.28	1.71	0.00	0.00	1
215440_s_at	BEX4	brain expressed,	0.84	-0.26	0.71	0.78	0	0.46	-1.13	0.10	0.15	0	0.19	-2.42	0.00	0.00	-1
213709_at	BHLHB9	basic helix-loop-l	0.36	-1.46	0.00	0.00	0	0.35	-1.52	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
206119_at	BHMT	betaine-homocys	2.46	1.30	0.00	0.00	0	2.49	1.32	0.00	0.00	0	3.06	1.61	0.00	0.00	1
210201_x_at	BIN1	bridging integrat	2.40	1.26	0.00	0.00	0	2.97	1.57	0.00	0.00	0	3.72	1.89	0.00	0.00	1
202179_at	BLMH	bleomycin hydro	2.09	1.06	0.04	0.08	0	0.65	-0.62	0.23	0.32	0	0.21	-2.25	0.00	0.00	-1
205574_x_at	BMP1	bone morphogere	1.42	0.50	0.18	0.27	0	1.54	0.63	0.10	0.15	0	3.11	1.64	0.00	0.00	1
207595_s_at	BMP1	bone morphogere	1.52	0.60	0.00	0.01	0	1.94	0.96	0.00	0.00	0	3.10	1.63	0.00	0.00	1
209591_s_at	BMP7	bone morphogere	0.77	-0.38	0.47	0.58	0	0.59	-0.76	0.16	0.22	0	0.25	-2.01	0.00	0.00	-1
203502_at	BPGM	2,3-bisphosphog	1.42	0.51	0.24	0.34	0	2.17	1.11	0.01	0.02	0	3.93	1.97	0.00	0.00	1
208677_s_at	BSG	basigin (Ok bloo	1.05	0.06	0.82	0.87	0	2.36	1.24	0.00	0.00	0	3.23	1.69	0.00	0.00	1
202946_s_at	BTBD3	BTB (POZ) domi	0.38	-1.41	0.00	0.00	0	0.35	-1.51	0.00	0.00	0	0.27	-1.89	0.00	0.00	-1
204821_at	BTN3A3	butyrophilin, sub	0.40	-1.34	0.01	0.01	0	0.40	-1.34	0.01	0.01	0	0.29	-1.76	0.00	0.00	-1
209183_s_at	C10orf10	chromosome 10	1.14	0.19	0.74	0.81	0	2.48	1.31	0.02	0.04	0	3.31	1.73	0.00	0.00	1
219953_s_at	C11orf17	chromosome 11	0.93	-0.11	0.70	0.78	0	2.27	1.19	0.00	0.00	0	4.33	2.11	0.00	0.00	1
218789_s_at	C11orf71	chromosome 11	0.54	-0.89	0.04	0.07	0	0.42	-1.24	0.00	0.00	0	0.22	-2.16	0.00	0.00	-1

218060_s_at	C16orf57	chromosome 16	1.36	0.45	0.03	0.06	0	2.29	1.20	0.00	0.00	0	3.18	1.67	0.00	0.00	1
221621_at	C17orf86	chromosome 17	0.49	-1.04	0.00	0.00	0	0.38	-1.41	0.00	0.00	0	0.29	-1.81	0.00	0.00	-1
207996_s_at	C18orf1	chromosome 18	0.87	-0.20	0.71	0.79	0	1.92	0.94	0.09	0.14	0	5.81	2.54	0.00	0.00	1
218712_at	C1orf109	chromosome 1 c	0.36	-1.47	0.00	0.00	0	0.38	-1.42	0.00	0.00	0	0.23	-2.11	0.00	0.00	-1
220011_at	C1orf135	chromosome 1 c	1.76	0.81	0.01	0.03	0	2.92	1.54	0.00	0.00	0	3.24	1.70	0.00	0.00	1
216935_at	C1orf46	chromosome 1 c	1.16	0.21	0.77	0.83	0	0.41	-1.29	0.08	0.12	0	0.20	-2.30	0.00	0.00	-1
217087_at	C1orf68	chromosome 1 c	2.04	1.03	0.11	0.17	0	0.46	-1.11	0.08	0.13	0	0.26	-1.95	0.00	0.00	-1
203052_at	C2	complement corr	2.27	1.18	0.00	0.00	0	2.79	1.48	0.00	0.00	0	3.18	1.67	0.00	0.00	1
219463_at	C20orf103	chromosome 20	1.36	0.44	0.32	0.43	0	1.87	0.90	0.05	0.08	0	3.60	1.85	0.00	0.00	1
215852_x_at	C20orf117	chromosome 20	0.36	-1.46	0.00	0.00	0	0.34	-1.58	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
217835_x_at	C20orf24	chromosome 20	1.89	0.92	0.00	0.00	0	2.94	1.55	0.00	0.00	0	3.13	1.65	0.00	0.00	1
219706_at	C20orf29	chromosome 20	1.81	0.86	0.00	0.00	0	2.82	1.50	0.00	0.00	0	3.37	1.75	0.00	0.00	1
221878_at	C2orf68	chromosome 2 c	0.35	-1.51	0.00	0.00	0	0.41	-1.29	0.00	0.00	0	0.20	-2.31	0.00	0.00	-1
209285_s_at	C3orf63	chromosome 3 c	0.49	-1.04	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
219655_at	C7orf10	chromosome 7 c	2.02	1.01	0.01	0.01	0	2.81	1.49	0.00	0.00	0	4.29	2.10	0.00	0.00	1
61874_at	C9orf7	chromosome 9 c	2.57	1.36	0.00	0.00	0	2.75	1.46	0.00	0.00	0	3.02	1.60	0.00	0.00	1
209030_s_at	CADM1	cell adhesion mc	1.32	0.40	0.38	0.49	0	0.63	-0.66	0.16	0.23	0	0.30	-1.72	0.00	0.00	-1
205428_s_at	CALB2	calbindin 2	0.94	-0.09	0.85	0.89	0	2.89	1.53	0.00	0.00	0	4.94	2.30	0.00	0.00	1
221565_s_at	CALHM2	calcium homeos	2.10	1.07	0.00	0.00	0	2.79	1.48	0.00	0.00	0	3.42	1.78	0.00	0.00	1
218309_at	CAMK2N1	calcium/calmodu	1.27	0.35	0.53	0.64	0	1.14	0.19	0.74	0.79	0	6.00	2.59	0.00	0.00	1
213547_at	CAND2	cullin-associated	0.49	-1.04	0.05	0.09	0	0.63	-0.66	0.21	0.28	0	0.23	-2.16	0.00	0.00	-1
221732_at	CANT1	calcium activate	1.92	0.94	0.00	0.00	0	2.32	1.22	0.00	0.00	0	3.08	1.62	0.00	0.00	1
200625_s_at	CAP1	CAP, adenylate	1.62	0.70	0.01	0.01	0	2.89	1.53	0.00	0.00	0	3.36	1.75	0.00	0.00	1
203356_at	CAPN7	calpain 7	0.36	-1.48	0.00	0.00	0	0.41	-1.28	0.00	0.00	0	0.30	-1.76	0.00	0.00	-1
203357_s_at	CAPN7	calpain 7	0.47	-1.08	0.01	0.02	0	0.78	-0.37	0.37	0.46	0	0.29	-1.81	0.00	0.00	-1
211366_x_at	CASP1	caspase 1, apop	1.44	0.53	0.21	0.31	0	2.67	1.42	0.00	0.00	0	3.86	1.95	0.00	0.00	1
211368_s_at	CASP1	caspase 1, apop	1.28	0.35	0.47	0.58	0	2.34	1.23	0.02	0.03	0	3.22	1.69	0.00	0.00	1
32128_at	CCL18	chemokine (C-C	1.55	0.63	0.35	0.46	0	2.08	1.06	0.12	0.18	0	3.09	1.63	0.02	0.03	1
204103_at	CCL4	chemokine (C-C	1.41	0.50	0.20	0.29	0	1.95	0.97	0.01	0.02	0	4.13	2.05	0.00	0.00	1
1405_i_at	CCL5	chemokine (C-C	0.70	-0.52	0.45	0.56	0	2.68	1.42	0.04	0.07	0	5.61	2.49	0.00	0.00	1
204655_at	CCL5	chemokine (C-C	0.80	-0.32	0.63	0.72	0	2.14	1.09	0.11	0.16	0	3.45	1.78	0.01	0.02	1
205034_at	CCNE2	cyclin E2	0.46	-1.14	0.01	0.02	0	0.37	-1.44	0.00	0.00	0	0.29	-1.80	0.00	0.00	-1
220351_at	CCRL1	chemokine (C-C	0.34	-1.55	0.04	0.07	0	0.47	-1.08	0.14	0.20	0	0.30	-1.72	0.02	0.03	-1
206749_at	CD1B	CD1b molecule	1.03	0.04	0.95	0.96	0	1.39	0.47	0.47	0.56	0	3.49	1.81	0.01	0.01	1
205831_at	CD2	CD2 molecule	1.15	0.20	0.66	0.74	0	1.85	0.89	0.05	0.09	0	3.11	1.64	0.00	0.00	1
213055_at	CD47	CD47 molecule	1.85	0.88	0.00	0.00	0	2.32	1.21	0.00	0.00	0	4.38	2.13	0.00	0.00	1
203416_at	CD53	CD53 molecule	2.76	1.47	0.00	0.00	0	1.61	0.69	0.08	0.12	0	3.25	1.70	0.00	0.00	1
200984_s_at	CD59	CD59 molecule,	1.22	0.29	0.39	0.50	0	1.61	0.68	0.05	0.08	0	3.09	1.63	0.00	0.00	1
205988_at	CD84	CD84 molecule	2.25	1.17	0.00	0.00	0	2.16	1.11	0.00	0.00	0	3.40	1.77	0.00	0.00	1
217879_at	CDC27	cell division cycl	0.99	-0.01	0.98	0.98	0	1.58	0.66	0.06	0.10	0	3.02	1.59	0.00	0.00	1
203252_at	CDK2AP2	cyclin-dependen	2.07	1.05	0.00	0.00	0	2.07	1.05	0.00	0.00	0	3.01	1.59	0.00	0.00	1
209112_at	CDKN1B	cyclin-dependen	0.38	-1.41	0.00	0.00	0	0.34	-1.56	0.00	0.00	0	0.24	-2.08	0.00	0.00	-1
209644_x_at	CDKN2A	cyclin-dependen	1.54	0.62	0.00	0.00	0	2.47	1.31	0.00	0.00	0	3.98	1.99	0.00	0.00	1
204159_at	CDKN2C	cyclin-dependen	0.63	-0.66	0.08	0.13	0	0.68	-0.57	0.13	0.19	0	0.31	-1.70	0.00	0.00	-1
219505_at	CECR1	cat eye syndrom	2.89	1.53	0.00	0.00	0	2.47	1.30	0.00	0.00	0	3.33	1.73	0.00	0.00	1
218827_s_at	CEP192	centrosomal prol	0.47	-1.10	0.00	0.00	0	0.46	-1.11	0.00	0.00	0	0.32	-1.67	0.00	0.00	-1
203494_s_at	CEP57	centrosomal prol	0.51	-0.96	0.01	0.01	0	0.46	-1.11	0.00	0.00	0	0.26	-1.96	0.00	0.00	-1
212677_s_at	CEP68	centrosomal prol	0.87	-0.20	0.69	0.77	0	0.43	-1.23	0.02	0.03	0	0.26	-1.93	0.00	0.00	-1

52285_f_at	CEP76	centrosomal prol	0.46	-1.12	0.05	0.09	0	0.40	-1.31	0.02	0.04	0	0.14	-2.80	0.00	0.00	-1
203975_s_at	CHAF1A	chromatin assert	0.62	-0.68	0.10	0.16	0	0.38	-1.39	0.00	0.00	0	0.29	-1.80	0.00	0.00	-1
209395_at	CHI3L1	chitinase 3-like 1	0.76	-0.40	0.65	0.73	0	0.33	-1.59	0.07	0.11	0	0.12	-3.03	0.00	0.00	-1
219634_at	CHST11	carbohydrate (ct	1.67	0.74	0.05	0.09	0	2.52	1.34	0.00	0.00	0	5.11	2.35	0.00	0.00	1
32094_at	CHST3	carbohydrate (ct	1.81	0.86	0.00	0.00	0	2.33	1.22	0.00	0.00	0	3.47	1.80	0.00	0.00	1
221065_s_at	CHST8	carbohydrate (N-	2.65	1.41	0.00	0.00	0	2.87	1.52	0.00	0.00	0	3.12	1.64	0.00	0.00	1
201953_at	CIB1	calcium and inte	1.40	0.49	0.08	0.14	0	2.49	1.32	0.00	0.00	0	4.52	2.18	0.00	0.00	1
209357_at	CITED2	Cbp/p300-intera	0.77	-0.38	0.37	0.48	0	0.49	-1.03	0.02	0.03	0	0.30	-1.73	0.00	0.00	-1
207980_s_at	CITED2	Cbp/p300-intera	0.95	-0.07	0.86	0.90	0	0.45	-1.16	0.01	0.01	0	0.29	-1.80	0.00	0.00	-1
201897_s_at	CKS1B	CDC28 protein k	2.10	1.07	0.00	0.00	0	2.24	1.17	0.00	0.00	0	3.05	1.61	0.00	0.00	1
201733_at	CLCN3	chloride channel	0.40	-1.31	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.31	-1.71	0.00	0.00	-1
202790_at	CLDN7	claudin 7	2.90	1.54	0.00	0.00	0	2.30	1.20	0.00	0.00	0	4.50	2.17	0.00	0.00	1
201975_at	CLIP1	CAP-GLY domai	0.49	-1.03	0.00	0.00	0	0.40	-1.32	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
219341_at	CLN8	ceroid-lipofuscin	0.84	-0.25	0.59	0.68	0	0.67	-0.57	0.22	0.30	0	0.32	-1.64	0.00	0.00	-1
216293_at	CLTA	clathrin, light cha	2.50	1.32	0.00	0.00	0	2.71	1.44	0.00	0.00	0	3.01	1.59	0.00	0.00	1
205944_s_at	CLTCL1	clathrin, heavy cl	2.03	1.02	0.00	0.00	0	2.58	1.37	0.00	0.00	0	3.18	1.67	0.00	0.00	1
203239_s_at	CNOT3	CCR4-NOT tran	0.42	-1.26	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
204636_at	COL17A1	collagen, type X ^I	1.43	0.52	0.29	0.40	0	1.55	0.63	0.20	0.27	0	3.29	1.72	0.00	0.00	1
204724_s_at	COL9A3	collagen, type IX	0.42	-1.26	0.01	0.02	0	0.83	-0.27	0.57	0.65	0	0.33	-1.60	0.00	0.00	-1
205773_at	CPEB3	cytoplasmic poly	0.36	-1.49	0.00	0.00	0	0.41	-1.30	0.00	0.00	0	0.30	-1.75	0.00	0.00	-1
211062_s_at	CPZ	carboxypeptidas	1.51	0.59	0.23	0.34	0	2.10	1.07	0.03	0.06	0	3.51	1.81	0.00	0.00	1
212345_s_at	CREB3L2	cAMP responsiv	0.75	-0.42	0.25	0.36	0	2.16	1.11	0.00	0.00	0	3.22	1.69	0.00	0.00	1
211038_s_at	CROCCL1	ciliary rootlet coil	0.63	-0.68	0.08	0.13	0	0.47	-1.10	0.01	0.01	0	0.31	-1.72	0.00	0.00	-1
205159_at	CSF2RB	colony stimulat	1.25	0.32	0.59	0.68	0	1.32	0.40	0.49	0.58	0	4.40	2.14	0.00	0.00	1
203575_at	CSNK2A2	casein kinase 2,	1.34	0.42	0.33	0.44	0	0.53	-0.92	0.03	0.06	0	0.33	-1.59	0.00	0.00	-1
210140_at	CST7	cystatin F (leuko	2.11	1.07	0.02	0.04	0	2.53	1.34	0.01	0.01	0	4.69	2.23	0.00	0.00	1
204459_at	CSTF2	cleavage stimula	2.69	1.43	0.00	0.00	0	2.49	1.31	0.00	0.00	0	3.00	1.59	0.00	0.00	1
218923_at	CTBS	chitobiase, di-N-	0.34	-1.56	0.00	0.00	0	0.43	-1.23	0.00	0.01	0	0.25	-1.99	0.00	0.00	-1
204925_at	CTNS	cystinosis, nephr	2.39	1.26	0.00	0.00	0	2.70	1.43	0.00	0.00	0	3.42	1.78	0.00	0.00	1
200838_at	CTSB	cathepsin B	1.86	0.89	0.04	0.08	0	2.52	1.33	0.00	0.00	0	3.51	1.81	0.00	0.00	1
214073_at	CTTN	cortactin	2.36	1.24	0.03	0.07	0	2.17	1.12	0.06	0.09	0	3.52	1.82	0.00	0.00	1
202157_s_at	CUGBP2	CUG triplet repe	0.48	-1.05	0.04	0.08	0	0.86	-0.21	0.67	0.74	0	0.30	-1.75	0.00	0.00	-1
204470_at	CXCL1	chemokine (C-X-	1.07	0.09	0.86	0.90	0	1.33	0.41	0.46	0.54	0	6.26	2.65	0.00	0.00	1
204533_at	CXCL10	chemokine (C-X-	3.63	1.86	0.15	0.24	0	5.26	2.40	0.07	0.11	0	9.44	3.24	0.02	0.02	1
217028_at	CXCR4	chemokine (C-X-	2.60	1.38	0.05	0.09	0	1.78	0.84	0.23	0.31	0	6.16	2.62	0.00	0.00	1
202263_at	CYB5R1	cytochrome b5 ri	1.63	0.71	0.03	0.06	0	1.55	0.63	0.06	0.09	0	3.15	1.65	0.00	0.00	1
212133_at	CYFIP1	cytoplasmic FMF	2.26	1.18	0.00	0.00	0	2.81	1.49	0.00	0.00	0	3.17	1.67	0.00	0.00	1
213295_at	CYLD	cyldromatosis |	0.58	-0.78	0.03	0.05	0	0.37	-1.45	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
221905_at	CYLD	cyldromatosis |	0.76	-0.40	0.30	0.41	0	0.38	-1.39	0.00	0.00	0	0.31	-1.72	0.00	0.00	-1
214131_at	CYorf15B	chromosome Y c	0.40	-1.32	0.27	0.38	0	0.23	-2.14	0.08	0.12	0	0.11	-3.18	0.01	0.02	-1
205073_at	CYP2J2	cytochrome P45	0.78	-0.36	0.29	0.40	0	0.41	-1.27	0.00	0.00	0	0.29	-1.77	0.00	0.00	-1
202879_s_at	CYTH1	cytohesin 1	2.53	1.34	0.00	0.00	0	2.57	1.36	0.00	0.00	0	3.69	1.88	0.00	0.00	1
219001_s_at	DCAF10	DDB1 and CUL4	0.43	-1.21	0.00	0.01	0	0.45	-1.15	0.01	0.01	0	0.30	-1.76	0.00	0.00	-1
219717_at	DCAF16	DDB1 and CUL4	0.42	-1.25	0.02	0.03	0	0.36	-1.49	0.01	0.01	0	0.28	-1.86	0.00	0.00	-1
205338_s_at	DCT	dopachrome tau	1.24	0.31	0.73	0.81	0	0.31	-1.67	0.07	0.11	0	0.08	-3.58	0.00	0.00	-1
209094_at	DDAH1	dimethylarginine	1.18	0.24	0.65	0.74	0	0.73	-0.45	0.41	0.50	0	0.12	-3.05	0.00	0.00	-1
213998_s_at	DDX17	DEAD (Asp-Glu-	0.38	-1.40	0.01	0.02	0	0.37	-1.43	0.01	0.01	0	0.33	-1.60	0.00	0.00	-1
205684_s_at	DENND4C	DENN/MADD dc	0.67	-0.58	0.17	0.27	0	0.35	-1.52	0.00	0.00	0	0.21	-2.22	0.00	0.00	-1

218858_at	DEPDC6	DEP domain cor	1.34	0.42	0.50	0.61	0	0.79	-0.34	0.59	0.67	0	0.21	-2.23	0.00	0.00	-1
219799_s_at	DHRS9	dehydrogenase/i	1.38	0.46	0.46	0.56	0	2.23	1.16	0.06	0.10	0	3.65	1.87	0.00	0.00	1
201386_s_at	DHX15	DEAH (Asp-Glu-	0.45	-1.17	0.00	0.00	0	0.42	-1.27	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
219350_s_at	DIABLO	diablo homolog (	2.41	1.27	0.00	0.00	0	2.55	1.35	0.00	0.00	0	3.28	1.71	0.00	0.00	1
206253_at	DLG2	discs, large hom	0.36	-1.46	0.00	0.00	0	0.35	-1.51	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
218435_at	DNAJC15	DnaJ (Hsp40) hc	1.78	0.83	0.03	0.06	0	1.56	0.64	0.09	0.14	0	3.21	1.68	0.00	0.00	1
219861_at	DNAJC17	DnaJ (Hsp40) hc	0.39	-1.38	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.28	-1.85	0.00	0.00	-1
204008_at	DNAL4	dynein, axonem	2.67	1.42	0.00	0.00	0	2.86	1.51	0.00	0.00	0	4.00	2.00	0.00	0.00	1
214663_at	DSTYK	dual serine/threc	0.94	-0.09	0.75	0.82	0	0.45	-1.15	0.00	0.00	0	0.31	-1.71	0.00	0.00	-1
218585_s_at	DTL	denticleless hom	0.63	-0.67	0.15	0.23	0	0.75	-0.41	0.37	0.46	0	0.27	-1.90	0.00	0.00	-1
203270_at	DTYMK	deoxythymidylat	2.44	1.29	0.00	0.00	0	2.45	1.29	0.00	0.00	0	3.08	1.62	0.00	0.00	1
201999_s_at	DYNLT1	dynein, light chai	1.56	0.64	0.00	0.00	0	2.44	1.29	0.00	0.00	0	3.11	1.64	0.00	0.00	1
202248_at	E2F4	E2F transcription	2.44	1.29	0.00	0.00	0	2.54	1.34	0.00	0.00	0	3.07	1.62	0.00	0.00	1
219990_at	E2F8	E2F transcription	0.79	-0.33	0.56	0.66	0	0.42	-1.24	0.03	0.06	0	0.32	-1.64	0.01	0.01	-1
204464_s_at	EDNRA	endothelin recep	1.49	0.58	0.38	0.49	0	2.35	1.23	0.06	0.10	0	3.18	1.67	0.01	0.02	1
91703_at	EHBP1L1	EH domain bindi	1.74	0.80	0.04	0.07	0	2.70	1.43	0.00	0.00	0	3.29	1.72	0.00	0.00	1
221870_at	EHD2	EH-domain cont	1.88	0.91	0.04	0.08	0	2.20	1.14	0.01	0.02	0	3.05	1.61	0.00	0.00	1
219190_s_at	EIF2C4	eukaryotic transl	0.66	-0.59	0.06	0.10	0	0.45	-1.15	0.00	0.00	0	0.24	-2.07	0.00	0.00	-1
215190_at	EIF3M	eukaryotic transl	0.51	-0.96	0.04	0.08	0	0.39	-1.37	0.00	0.01	0	0.24	-2.05	0.00	0.00	-1
201123_s_at	EIF5A	eukaryotic transl	2.43	1.28	0.02	0.03	0	1.34	0.42	0.42	0.51	0	3.22	1.69	0.00	0.00	1
204256_at	ELOVL6	ELOVL family m	0.96	-0.06	0.91	0.94	0	0.55	-0.87	0.09	0.14	0	0.27	-1.92	0.00	0.00	-1
204975_at	EMP2	epithelial membr	1.05	0.07	0.84	0.89	0	0.47	-1.08	0.00	0.00	0	0.31	-1.71	0.00	0.00	-1
201341_at	ENC1	ectodermal-neur	1.76	0.81	0.07	0.12	0	2.49	1.32	0.00	0.00	0	5.13	2.36	0.00	0.00	1
201340_s_at	ENC1	ectodermal-neur	0.94	-0.09	0.84	0.89	0	2.59	1.37	0.00	0.00	0	3.46	1.79	0.00	0.00	1
202221_s_at	EP300	E1A binding prot	0.59	-0.77	0.02	0.05	0	0.47	-1.10	0.00	0.00	0	0.28	-1.85	0.00	0.00	-1
209368_at	EPHX2	epoxide hydrolas	1.15	0.21	0.61	0.70	0	0.42	-1.24	0.00	0.00	0	0.24	-2.03	0.00	0.00	-1
205767_at	EREG	epiregulin	0.38	-1.41	0.05	0.09	0	0.38	-1.40	0.05	0.08	0	0.33	-1.62	0.02	0.04	-1
213541_s_at	ERG	v-ets erythroblas	1.53	0.61	0.14	0.22	0	2.38	1.25	0.00	0.00	0	3.31	1.73	0.00	0.00	1
205225_at	ESR1	estrogen receptc	1.67	0.74	0.12	0.19	0	1.70	0.76	0.11	0.16	0	3.44	1.78	0.00	0.00	1
203249_at	EZH1	enhancer of zest	0.80	-0.33	0.29	0.40	0	0.50	-0.99	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
204403_x_at	FAM115A	family with sequ	0.45	-1.16	0.00	0.00	0	0.35	-1.50	0.00	0.00	0	0.31	-1.67	0.00	0.00	-1
202972_s_at	FAM13A	family with sequ	0.51	-0.96	0.01	0.02	0	0.56	-0.85	0.02	0.04	0	0.31	-1.67	0.00	0.00	-1
208092_s_at	FAM49A	family with sequ	1.63	0.70	0.12	0.19	0	2.95	1.56	0.00	0.00	0	3.94	1.98	0.00	0.00	1
218029_at	FAM65A	family with sequ	2.50	1.32	0.00	0.00	0	2.89	1.53	0.00	0.00	0	4.38	2.13	0.00	0.00	1
219895_at	FAM70A	family with sequ	0.53	-0.92	0.08	0.13	0	0.36	-1.46	0.01	0.01	0	0.21	-2.25	0.00	0.00	-1
204511_at	FARP2	FERM, RhoGEF	0.99	-0.02	0.96	0.97	0	0.41	-1.30	0.00	0.00	0	0.32	-1.67	0.00	0.00	-1
202766_s_at	FBN1	fibrillin 1	0.88	-0.18	0.73	0.80	0	2.55	1.35	0.01	0.02	0	5.89	2.56	0.00	0.00	1
209630_s_at	FBXW2	F-box and WD re	0.52	-0.93	0.00	0.00	0	0.37	-1.45	0.00	0.00	0	0.31	-1.71	0.00	0.00	-1
218751_s_at	FBXW7	F-box and WD re	0.65	-0.63	0.13	0.21	0	0.35	-1.52	0.00	0.00	0	0.23	-2.11	0.00	0.00	-1
209210_s_at	FERMT2	fermitin family hc	1.17	0.22	0.74	0.81	0	2.06	1.05	0.12	0.18	0	3.37	1.75	0.01	0.02	1
203638_s_at	FGFR2	fibroblast growth	0.77	-0.38	0.35	0.46	0	0.49	-1.04	0.01	0.02	0	0.32	-1.67	0.00	0.00	-1
204834_at	FGL2	fibrinogen-like 2	1.70	0.77	0.11	0.18	0	1.82	0.87	0.07	0.12	0	3.73	1.90	0.00	0.00	1
215704_at	FLG	filaggrin	0.60	-0.75	0.61	0.70	0	0.14	-2.86	0.06	0.09	0	0.04	-4.67	0.00	0.00	-1
212025_s_at	FLII	flightless I homol	2.68	1.42	0.00	0.00	0	2.66	1.41	0.00	0.00	0	3.16	1.66	0.00	0.00	1
64900_at	FLJ22167	hypothetical prot	0.76	-0.40	0.25	0.35	0	0.36	-1.47	0.00	0.00	0	0.20	-2.33	0.00	0.00	-1
212464_s_at	FN1	fibronectin 1	0.67	-0.59	0.50	0.61	0	3.30	1.72	0.05	0.09	0	7.06	2.82	0.00	0.00	1
211719_x_at	FN1	fibronectin 1	0.57	-0.81	0.37	0.48	0	3.10	1.63	0.07	0.12	0	5.54	2.47	0.01	0.01	1
209864_at	FRAT2	frequently rearra	0.97	-0.05	0.87	0.90	0	0.43	-1.21	0.00	0.00	0	0.27	-1.89	0.00	0.00	-1

204948_s_at	FST	folliculin	0.95	-0.08	0.91	0.94	0	2.82	1.50	0.04	0.07	0	6.18	2.63	0.00	0.00	1
203592_s_at	FSTL3	folliculin-like 3 (	1.83	0.87	0.03	0.06	0	2.17	1.12	0.01	0.01	0	5.03	2.33	0.00	0.00	1
214211_at	FBXO1	ferritin, heavy po	0.88	-0.18	0.63	0.72	0	1.74	0.80	0.04	0.06	0	3.28	1.71	0.00	0.00	1
212788_x_at	FTL	ferritin, light poly	1.87	0.90	0.01	0.02	0	2.67	1.42	0.00	0.00	0	4.24	2.08	0.00	0.00	1
208869_s_at	GABARAPL1	GABA(A) recept	0.79	-0.34	0.38	0.49	0	0.54	-0.88	0.03	0.04	0	0.32	-1.67	0.00	0.00	-1
217787_s_at	GALNT2	UDP-N-acetyl-gl	1.38	0.46	0.18	0.27	0	1.72	0.79	0.02	0.04	0	3.43	1.78	0.00	0.00	1
214855_s_at	GARNL1	GTPase activator	0.37	-1.42	0.00	0.00	0	0.45	-1.14	0.00	0.00	0	0.28	-1.82	0.00	0.00	-1
203925_at	GCLM	glutamate-cysteine	1.37	0.46	0.23	0.33	0	2.68	1.42	0.00	0.00	0	4.88	2.29	0.00	0.00	1
209919_x_at	GGT1	gamma-glutamyl	2.37	1.24	0.00	0.00	0	2.45	1.29	0.00	0.00	0	3.22	1.69	0.00	0.00	1
200648_s_at	GLUL	glutamate-aminoc	2.39	1.26	0.01	0.03	0	2.50	1.32	0.01	0.02	0	3.15	1.66	0.00	0.00	1
201040_at	GNAI2	guanine nucleotide	1.84	0.88	0.05	0.09	0	2.94	1.56	0.00	0.00	0	3.37	1.75	0.00	0.00	1
213180_s_at	GOSR2	golgi SNAP receptor	1.33	0.42	0.27	0.38	0	2.86	1.52	0.00	0.00	0	5.18	2.37	0.00	0.00	1
212510_at	GPD1L	glycerol-3-phospho	0.82	-0.29	0.33	0.44	0	0.47	-1.09	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
209169_at	GPM6B	glycoprotein M6B	0.50	-1.00	0.07	0.12	0	0.54	-0.89	0.10	0.16	0	0.21	-2.26	0.00	0.00	-1
209631_s_at	GPR37	G protein-coupled	0.58	-0.80	0.13	0.21	0	0.35	-1.52	0.01	0.01	0	0.31	-1.71	0.00	0.00	-1
218154_at	GSDMD	gasdermin D	1.74	0.80	0.01	0.01	0	2.19	1.13	0.00	0.00	0	3.38	1.76	0.00	0.00	1
200824_at	GSTP1	glutathione S-transferase	2.21	1.14	0.00	0.00	0	2.41	1.27	0.00	0.00	0	3.32	1.73	0.00	0.00	1
221942_s_at	GUCY1A3	guanylate cyclase	1.31	0.39	0.41	0.52	0	2.37	1.24	0.01	0.02	0	4.04	2.02	0.00	0.00	1
201554_x_at	GYG1	glycogenin 1	1.28	0.35	0.51	0.61	0	2.80	1.49	0.01	0.01	0	3.94	1.98	0.00	0.00	1
210164_at	GZMB	granzyme B (granule	1.03	0.05	0.93	0.95	0	2.09	1.07	0.07	0.11	0	4.60	2.20	0.00	0.00	1
211998_at	H3F3B	H3 histone, family	0.47	-1.09	0.01	0.01	0	0.38	-1.39	0.00	0.00	0	0.29	-1.77	0.00	0.00	-1
209116_x_at	HBB	hemoglobin, beta	2.72	1.44	0.11	0.19	0	1.81	0.86	0.34	0.43	0	4.20	2.07	0.03	0.04	1
203746_s_at	HCCS	holocytochrome c	2.70	1.43	0.00	0.00	0	2.84	1.51	0.00	0.00	0	4.12	2.04	0.00	0.00	1
207067_s_at	HDC	histidine decarboxylase	2.73	1.45	0.00	0.00	0	2.71	1.44	0.00	0.00	0	3.14	1.65	0.00	0.00	1
218306_s_at	HERC1	hect (homologous	0.55	-0.86	0.00	0.00	0	0.56	-0.83	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
214455_at	HIST1H2BC	histone cluster 1	0.94	-0.10	0.87	0.91	0	2.58	1.37	0.02	0.04	0	4.14	2.05	0.00	0.00	1
222305_at	HK2	hexokinase 2	2.60	1.38	0.00	0.00	0	3.00	1.58	0.00	0.00	0	3.27	1.71	0.00	0.00	1
205671_s_at	HLA-DOB	major histocompatibility	2.17	1.12	0.01	0.01	0	1.81	0.85	0.03	0.06	0	3.10	1.63	0.00	0.00	1
213537_at	HLA-DPA1	major histocompatibility	2.40	1.26	0.01	0.01	0	1.53	0.61	0.17	0.25	0	3.70	1.89	0.00	0.00	1
216548_x_at	HMGB3L1	high-mobility group	2.35	1.23	0.00	0.00	0	2.46	1.30	0.00	0.00	0	3.25	1.70	0.00	0.00	1
222040_at	HNRNPA1	heterogeneous nuclear	0.54	-0.88	0.15	0.24	0	0.33	-1.58	0.01	0.02	0	0.32	-1.65	0.01	0.01	-1
221480_at	HNRNPD	heterogeneous nuclear	0.38	-1.40	0.00	0.00	0	0.37	-1.42	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
221860_at	HNRNPL	heterogeneous nuclear	0.78	-0.35	0.34	0.45	0	0.39	-1.38	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
204647_at	HOMER3	homer homolog 3	1.81	0.86	0.01	0.02	0	2.75	1.46	0.00	0.00	0	3.25	1.70	0.00	0.00	1
204778_x_at	HOXB7	homeobox B7	1.03	0.05	0.89	0.92	0	2.69	1.43	0.00	0.00	0	3.28	1.72	0.00	0.00	1
211549_s_at	HPGD	hydroxyprostaglandin	0.84	-0.25	0.57	0.67	0	0.42	-1.24	0.01	0.01	0	0.28	-1.83	0.00	0.00	-1
203913_s_at	HPGD	hydroxyprostaglandin	0.85	-0.23	0.76	0.82	0	0.49	-1.04	0.17	0.24	0	0.18	-2.46	0.00	0.00	-1
203914_x_at	HPGD	hydroxyprostaglandin	0.72	-0.47	0.53	0.63	0	0.60	-0.74	0.32	0.41	0	0.14	-2.80	0.00	0.00	-1
211548_s_at	HPGD	hydroxyprostaglandin	0.41	-1.28	0.11	0.18	0	0.29	-1.79	0.03	0.05	0	0.08	-3.66	0.00	0.00	-1
205466_s_at	HS3ST1	heparan sulfate 3-O-	1.13	0.17	0.76	0.83	0	2.60	1.38	0.02	0.03	0	3.92	1.97	0.00	0.00	1
205404_at	HSD11B1	hydroxysteroid oxidase	0.59	-0.75	0.18	0.28	0	0.35	-1.52	0.01	0.02	0	0.26	-1.95	0.00	0.00	-1
219113_x_at	HSD17B14	hydroxysteroid oxidase	2.53	1.34	0.00	0.00	0	2.91	1.54	0.00	0.00	0	5.20	2.38	0.00	0.00	1
205700_at	HSD17B6	hydroxysteroid oxidase	1.31	0.39	0.47	0.58	0	2.94	1.56	0.01	0.01	0	3.56	1.83	0.00	0.00	1
210338_s_at	HSPA8	heat shock 70kDa	1.50	0.58	0.44	0.55	0	3.14	1.65	0.03	0.05	0	4.13	2.05	0.01	0.01	1
208687_x_at	HSPA8	heat shock 70kDa	2.08	1.06	0.01	0.02	0	2.74	1.46	0.00	0.00	0	3.56	1.83	0.00	0.00	1
201655_s_at	HSPG2	heparan sulfate gly	2.25	1.17	0.03	0.05	0	2.59	1.38	0.01	0.02	0	3.27	1.71	0.00	0.00	1
208744_x_at	HSPH1	heat shock 105kDa	1.32	0.40	0.31	0.42	0	1.53	0.61	0.13	0.19	0	3.58	1.84	0.00	0.00	1
206976_s_at	HSPH1	heat shock 105kDa	1.25	0.32	0.35	0.46	0	1.95	0.97	0.01	0.01	0	3.49	1.80	0.00	0.00	1

202637_s_at	ICAM1	intercellular adhe	1.67	0.74	0.02	0.04	0	2.62	1.39	0.00	0.00	0	4.63	2.21	0.00	0.00	1
201609_x_at	ICMT	isoprenylcysteine	2.21	1.14	0.00	0.00	0	2.88	1.52	0.00	0.00	0	3.20	1.68	0.00	0.00	1
201422_at	IFI30	interferon, gamma	2.06	1.04	0.01	0.01	0	1.58	0.66	0.08	0.12	0	3.06	1.62	0.00	0.00	1
201642_at	IFNGR2	interferon gamma	2.31	1.21	0.00	0.00	0	2.77	1.47	0.00	0.00	0	3.38	1.76	0.00	0.00	1
202718_at	IGFBP2	insulin-like growth	1.33	0.41	0.58	0.68	0	3.20	1.68	0.03	0.05	0	5.64	2.50	0.00	0.00	1
201887_at	IL13RA1	interleukin 13 receptor	1.56	0.64	0.01	0.02	0	2.23	1.16	0.00	0.00	0	3.10	1.63	0.00	0.00	1
202948_at	IL1R1	interleukin 1 receptor	0.61	-0.71	0.00	0.00	0	0.38	-1.41	0.00	0.00	0	0.26	-1.97	0.00	0.00	-1
211372_s_at	IL1R2	interleukin 1 receptor	1.00	0.00	1.00	0.99	0	0.34	-1.54	0.00	0.00	0	0.27	-1.92	0.00	0.00	-1
207526_s_at	IL1RL1	interleukin 1 receptor	1.27	0.35	0.34	0.45	0	1.79	0.84	0.03	0.04	0	3.33	1.74	0.00	0.00	1
206569_at	IL24	interleukin 24	1.20	0.26	0.72	0.79	0	2.03	1.02	0.16	0.23	0	6.74	2.75	0.00	0.00	1
205798_at	IL7R	interleukin 7 receptor	1.62	0.70	0.26	0.36	0	2.86	1.52	0.02	0.03	0	9.45	3.24	0.00	0.00	1
202859_x_at	IL8	interleukin 8	1.60	0.68	0.40	0.51	0	2.03	1.02	0.21	0.28	0	4.96	2.31	0.01	0.01	1
207094_at	IL8RA	interleukin 8 receptor	2.86	1.51	0.00	0.00	0	2.88	1.53	0.00	0.00	0	4.14	2.05	0.00	0.00	1
210511_s_at	INHBA	inhibin, beta A	0.86	-0.22	0.72	0.80	0	2.42	1.28	0.04	0.07	0	10.89	3.44	0.00	0.00	1
221185_s_at	IQCG	IQ motif containing	1.69	0.75	0.27	0.38	0	1.90	0.92	0.18	0.26	0	9.26	3.21	0.00	0.00	1
202531_at	IRF1	interferon regulatory	3.00	1.58	0.00	0.00	0	2.34	1.23	0.01	0.02	0	4.25	2.09	0.00	0.00	1
209184_s_at	IRS2	insulin receptor substrate	0.75	-0.42	0.31	0.42	0	0.37	-1.43	0.00	0.00	0	0.26	-1.94	0.00	0.00	-1
210239_at	IRX5	iroquois homeobox	0.51	-0.98	0.03	0.06	0	0.54	-0.89	0.05	0.08	0	0.22	-2.22	0.00	0.00	-1
33304_at	ISG20	interferon stimulator	2.40	1.26	0.02	0.03	0	3.00	1.58	0.00	0.00	0	4.59	2.20	0.00	0.00	1
207191_s_at	ISLR	immunoglobulin	1.65	0.73	0.10	0.16	0	2.27	1.18	0.01	0.01	0	3.01	1.59	0.00	0.00	1
201474_s_at	ITGA3	integrin, alpha 3	2.28	1.19	0.00	0.00	0	2.80	1.49	0.00	0.00	0	5.99	2.58	0.00	0.00	1
201389_at	ITGA5	integrin, alpha 5	0.84	-0.25	0.58	0.68	0	1.51	0.59	0.19	0.26	0	3.73	1.90	0.00	0.00	1
215177_s_at	ITGA6	integrin, alpha 6	1.33	0.41	0.46	0.56	0	1.97	0.98	0.08	0.13	0	6.48	2.70	0.00	0.00	1
202747_s_at	ITM2A	integral membrane	0.63	-0.67	0.21	0.31	0	0.73	-0.46	0.39	0.48	0	0.21	-2.22	0.00	0.00	-1
201465_s_at	JUN	jun oncogene	1.69	0.75	0.13	0.21	0	2.40	1.26	0.01	0.02	0	3.56	1.83	0.00	0.00	1
203845_at	KAT2B	K(lysine) acetyltransferase	0.51	-0.97	0.01	0.01	0	0.68	-0.56	0.11	0.16	0	0.31	-1.68	0.00	0.00	-1
220727_at	KCNK10	potassium channel	1.96	0.97	0.00	0.01	0	2.85	1.51	0.00	0.00	0	3.13	1.65	0.00	0.00	1
220412_x_at	KCNK7	potassium channel	1.36	0.45	0.30	0.41	0	0.45	-1.15	0.01	0.02	0	0.33	-1.60	0.00	0.00	-1
200922_at	KDELR1	KDEL (Lys-Asp)-binding	2.52	1.33	0.00	0.00	0	2.62	1.39	0.00	0.00	0	3.72	1.89	0.00	0.00	1
204017_at	KDELR3	KDEL (Lys-Asp)-binding	1.72	0.78	0.08	0.14	0	2.90	1.54	0.00	0.00	0	4.25	2.09	0.00	0.00	1
212689_s_at	KDM3A	lysine (K)-specific demethylase	0.65	-0.63	0.01	0.02	0	0.44	-1.17	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
202386_s_at	KIAA0430	KIAA0430	0.41	-1.30	0.01	0.01	0	0.52	-0.94	0.04	0.06	0	0.28	-1.85	0.00	0.00	-1
213340_s_at	KIAA0495	KIAA0495	0.80	-0.33	0.47	0.58	0	0.43	-1.21	0.01	0.02	0	0.21	-2.24	0.00	0.00	-1
212314_at	KIAA0746	KIAA0746 protein	1.47	0.56	0.28	0.39	0	2.81	1.49	0.01	0.01	0	4.96	2.31	0.00	0.00	1
220911_s_at	KIAA1305	KIAA1305	0.87	-0.20	0.44	0.55	0	0.43	-1.21	0.00	0.00	0	0.24	-2.06	0.00	0.00	-1
221901_at	KIAA1644	KIAA1644	1.22	0.28	0.46	0.57	0	2.21	1.15	0.00	0.01	0	6.32	2.66	0.00	0.00	1
52837_at	KIAA1644	KIAA1644	0.72	-0.48	0.27	0.37	0	1.29	0.36	0.40	0.49	0	5.24	2.39	0.00	0.00	1
202962_at	KIF13B	kinesin family member	0.60	-0.75	0.07	0.12	0	0.36	-1.47	0.00	0.00	0	0.31	-1.72	0.00	0.00	-1
203390_s_at	KIF3C	kinesin family member	1.32	0.40	0.23	0.33	0	2.24	1.16	0.00	0.00	0	3.60	1.85	0.00	0.00	1
205051_s_at	KIT	v-kit Hardy-Zuckers	0.64	-0.64	0.32	0.43	0	0.42	-1.26	0.05	0.09	0	0.16	-2.65	0.00	0.00	-1
209792_s_at	KLK10	kallikrein-related	2.46	1.30	0.07	0.12	0	2.55	1.35	0.06	0.10	0	3.81	1.93	0.01	0.01	1
207023_x_at	KRT10	keratin 10	0.72	-0.47	0.47	0.58	0	0.42	-1.26	0.06	0.09	0	0.31	-1.70	0.01	0.02	-1
201596_x_at	KRT18	keratin 18	2.24	1.16	0.10	0.16	0	2.80	1.49	0.04	0.06	0	7.69	2.94	0.00	0.00	1
201650_at	KRT19	keratin 19	1.17	0.22	0.70	0.78	0	2.80	1.48	0.01	0.02	0	11.33	3.50	0.00	0.00	1
210663_s_at	KYNU	kynureninase (L-tryptophan)	1.74	0.80	0.02	0.04	0	2.83	1.50	0.00	0.00	0	5.02	2.33	0.00	0.00	1
216641_s_at	LAD1	ladinin 1	2.84	1.50	0.00	0.00	0	2.32	1.21	0.00	0.00	0	4.12	2.04	0.00	0.00	1
207509_s_at	LAIR2	leukocyte-associated	1.63	0.71	0.14	0.22	0	2.09	1.07	0.03	0.05	0	3.13	1.64	0.00	0.00	1
203726_s_at	LAMA3	laminin, alpha 3	0.91	-0.14	0.73	0.80	0	1.57	0.65	0.10	0.16	0	4.72	2.24	0.00	0.00	1

202267_at	LAMC2	laminin, gamma	0.79	-0.34	0.59	0.69	0	1.17	0.23	0.71	0.77	0	6.77	2.76	0.00	0.00	1
201720_s_at	LAPTM5	lysosomal protei	1.27	0.35	0.41	0.52	0	1.85	0.89	0.04	0.06	0	3.16	1.66	0.00	0.00	1
218651_s_at	LARP6	La ribonucleoprc	1.45	0.54	0.14	0.22	0	1.53	0.61	0.09	0.14	0	3.15	1.65	0.00	0.00	1
222212_s_at	LASS2	LAG1 homolog, u	1.61	0.69	0.05	0.09	0	2.23	1.16	0.00	0.00	0	3.75	1.91	0.00	0.00	1
221011_s_at	LBH	limb bud and her	1.40	0.49	0.44	0.55	0	2.73	1.45	0.02	0.04	0	3.22	1.69	0.01	0.01	1
207710_at	LCE2B	late cornified en	1.15	0.20	0.82	0.87	0	0.25	-2.00	0.03	0.05	0	0.13	-2.96	0.00	0.00	-1
208450_at	LGALS2	lectin, galactosid	1.55	0.63	0.30	0.41	0	1.31	0.39	0.52	0.60	0	3.06	1.61	0.01	0.02	1
219699_at	LGI2	leucine-rich repe	2.45	1.29	0.00	0.00	0	2.77	1.47	0.00	0.00	0	3.25	1.70	0.00	0.00	1
207104_x_at	LILRB1	leukocyte immur	2.24	1.16	0.00	0.00	0	2.31	1.21	0.00	0.00	0	3.20	1.68	0.00	0.00	1
217892_s_at	LIMA1	LIM domain and	1.48	0.57	0.02	0.05	0	2.04	1.03	0.00	0.00	0	4.09	2.03	0.00	0.00	1
204357_s_at	LIMK1	LIM domain kina	2.73	1.45	0.00	0.00	0	2.98	1.58	0.00	0.00	0	3.21	1.68	0.00	0.00	1
31837_at	LMF2	lipase maturator	2.41	1.27	0.00	0.00	0	2.83	1.50	0.00	0.00	0	3.69	1.88	0.00	0.00	1
212682_s_at	LMF2	lipase maturator	2.34	1.22	0.00	0.00	0	2.57	1.36	0.00	0.00	0	3.02	1.59	0.00	0.00	1
221949_at	LOC222070	hypothetical prot	0.37	-1.46	0.00	0.00	0	0.39	-1.37	0.00	0.00	0	0.27	-1.87	0.00	0.00	-1
217506_at	LOC339290	hypothetical LOC	0.68	-0.57	0.23	0.33	0	0.61	-0.72	0.13	0.19	0	0.27	-1.89	0.00	0.00	-1
222347_at	LOC644450	hypothetical prot	0.56	-0.84	0.26	0.36	0	0.97	-0.05	0.95	0.95	0	0.27	-1.92	0.01	0.02	-1
222054_at	LOC728448	peptidylprolyl iso	0.53	-0.92	0.00	0.00	0	0.36	-1.47	0.00	0.00	0	0.30	-1.76	0.00	0.00	-1
207720_at	LOR	loricrin	1.39	0.48	0.72	0.80	0	0.25	-1.98	0.15	0.21	0	0.07	-3.85	0.01	0.01	-1
216250_s_at	LPXN	leupaxin	1.39	0.47	0.34	0.45	0	1.31	0.39	0.44	0.52	0	3.71	1.89	0.00	0.00	1
37796_at	LRCH4	leucine-rich repe	1.85	0.89	0.00	0.00	0	2.48	1.31	0.00	0.00	0	3.02	1.60	0.00	0.00	1
211596_s_at	LRIG1	leucine-rich repe	0.65	-0.62	0.33	0.43	0	0.42	-1.26	0.05	0.08	0	0.27	-1.90	0.00	0.00	-1
220254_at	LRP12	low density lipop	0.36	-1.50	0.00	0.00	0	0.52	-0.95	0.01	0.01	0	0.31	-1.68	0.00	0.00	-1
207339_s_at	LTB	lymphotoxin betz	1.52	0.61	0.21	0.31	0	1.09	0.13	0.79	0.84	0	3.79	1.92	0.00	0.00	1
204682_at	LTBP2	latent transformi	1.58	0.66	0.17	0.26	0	2.04	1.03	0.03	0.06	0	3.94	1.98	0.00	0.00	1
202626_s_at	LYN	v-yes-1 Yamagu	2.12	1.08	0.00	0.00	0	2.28	1.19	0.00	0.00	0	3.79	1.92	0.00	0.00	1
210754_s_at	LYN	v-yes-1 Yamagu	2.37	1.25	0.00	0.00	0	2.15	1.10	0.00	0.00	0	3.11	1.64	0.00	0.00	1
209942_x_at	MAGEA3	melanoma antig	1.14	0.18	0.77	0.84	0	2.19	1.13	0.08	0.13	0	5.27	2.40	0.00	0.00	1
214254_at	MAGEA4	melanoma antig	1.00	-0.01	0.99	0.99	0	1.30	0.38	0.42	0.51	0	3.56	1.83	0.00	0.00	1
214612_x_at	MAGEA6	melanoma antig	1.08	0.11	0.87	0.90	0	2.11	1.07	0.10	0.16	0	5.52	2.46	0.00	0.00	1
218918_at	MAN1C1	mannosidase, al	0.54	-0.88	0.04	0.08	0	0.40	-1.34	0.00	0.00	0	0.28	-1.82	0.00	0.00	-1
203552_at	MAP4K5	mitogen-activate	0.46	-1.13	0.00	0.00	0	0.39	-1.36	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
204813_at	MAPK10	mitogen-activate	1.76	0.81	0.00	0.00	0	2.22	1.15	0.00	0.00	0	3.84	1.94	0.00	0.00	1
200644_at	MARCKSL1	MARCKS-like 1	2.15	1.11	0.05	0.10	0	2.88	1.53	0.01	0.01	0	4.84	2.28	0.00	0.00	1
212693_at	MDN1	MDN1, midasin I	0.65	-0.62	0.03	0.06	0	0.34	-1.56	0.00	0.00	0	0.32	-1.67	0.00	0.00	-1
202618_s_at	MECP2	methyl CpG bind	2.30	1.20	0.00	0.00	0	2.43	1.28	0.00	0.00	0	3.11	1.64	0.00	0.00	1
212209_at	MED13L	mediator comple	0.45	-1.16	0.00	0.00	0	0.38	-1.38	0.00	0.00	0	0.32	-1.66	0.00	0.00	-1
221650_s_at	MED18	mediator comple	2.19	1.13	0.00	0.00	0	2.73	1.45	0.00	0.00	0	3.11	1.64	0.00	0.00	1
209363_s_at	MED21	mediator comple	2.06	1.04	0.02	0.05	0	2.90	1.54	0.00	0.00	0	3.68	1.88	0.00	0.00	1
204069_at	MEIS1	Meis homeobox	0.70	-0.52	0.09	0.16	0	0.69	-0.54	0.08	0.13	0	0.21	-2.26	0.00	0.00	-1
213403_at	MFSD9	major facilitator s	0.67	-0.59	0.25	0.35	0	0.43	-1.22	0.02	0.03	0	0.31	-1.67	0.00	0.00	-1
217553_at	MGC87042	STEAP family pr	1.01	0.02	0.98	0.98	0	2.88	1.53	0.01	0.02	0	7.67	2.94	0.00	0.00	1
211026_s_at	MGLL	monoglyceride liq	2.11	1.08	0.02	0.05	0	2.63	1.39	0.00	0.00	0	3.07	1.62	0.00	0.00	1
209672_s_at	MIOS	missing oocyte, i	0.44	-1.20	0.00	0.00	0	0.35	-1.52	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
206427_s_at	MLANA	melan-A	2.19	1.13	0.16	0.25	0	1.37	0.45	0.57	0.65	0	0.24	-2.07	0.01	0.02	-1
206426_at	MLANA	melan-A	2.61	1.38	0.15	0.24	0	1.43	0.51	0.59	0.67	0	0.20	-2.31	0.02	0.03	-1
212079_s_at	MLL	myeloid/lymphoi	0.37	-1.45	0.01	0.03	0	0.37	-1.44	0.01	0.03	0	0.24	-2.05	0.00	0.00	-1
204580_at	MMP12	matrix metallope	1.14	0.19	0.86	0.90	0	2.31	1.21	0.28	0.37	0	32.97	5.04	0.00	0.00	1
205959_at	MMP13	matrix metallope	0.96	-0.05	0.94	0.95	0	2.37	1.24	0.07	0.11	0	12.53	3.65	0.00	0.00	1

206234_s_at	MMP17	matrix metallo	2.62	1.39	0.00	0.00	0	2.81	1.49	0.00	0.00	0	3.50	1.81	0.00	0.00	1
205828_at	MMP3	matrix metallo	1.19	0.25	0.85	0.89	0	4.77	2.25	0.10	0.15	0	16.38	4.03	0.00	0.00	1
204259_at	MMP7	matrix metallo	1.09	0.12	0.84	0.89	0	1.16	0.22	0.71	0.77	0	5.43	2.44	0.00	0.00	1
205330_at	MN1	meningioma (dis	1.08	0.11	0.82	0.87	0	1.34	0.42	0.39	0.48	0	3.81	1.93	0.00	0.00	1
219265_at	MOBK12B	MOB1, Mps One	2.33	1.22	0.00	0.00	0	2.20	1.14	0.00	0.00	0	3.62	1.86	0.00	0.00	1
221692_s_at	MRPL34	mitochondrial rib	0.52	-0.94	0.01	0.01	0	0.41	-1.27	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
218281_at	MRPL48	mitochondrial rib	1.99	1.00	0.00	0.01	0	2.60	1.38	0.00	0.00	0	3.15	1.66	0.00	0.00	1
204331_s_at	MRPS12	mitochondrial rib	1.91	0.93	0.03	0.06	0	2.76	1.47	0.00	0.00	0	4.32	2.11	0.00	0.00	1
209421_at	MSH2	mutS homolog 2	0.46	-1.14	0.03	0.06	0	0.52	-0.94	0.07	0.11	0	0.31	-1.69	0.00	0.00	-1
213380_x_at	MSTP9	macrophage stin	0.92	-0.13	0.83	0.87	0	0.55	-0.86	0.14	0.21	0	0.30	-1.72	0.00	0.01	-1
203212_s_at	MTMR2	myotubularin rel	1.18	0.24	0.52	0.62	0	2.36	1.24	0.00	0.00	0	3.29	1.72	0.00	0.00	1
212277_at	MTMR4	myotubularin rel	0.65	-0.63	0.09	0.15	0	0.50	-1.00	0.01	0.01	0	0.29	-1.79	0.00	0.00	-1
203774_at	MTR	5-methyltetrahyd	0.51	-0.97	0.00	0.01	0	0.38	-1.41	0.00	0.00	0	0.28	-1.85	0.00	0.00	-1
215560_x_at	MTRF1L	mitochondrial tra	0.50	-1.01	0.00	0.00	0	0.37	-1.43	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
213693_s_at	MUC1	mucin 1, cell sur	2.16	1.11	0.05	0.09	0	2.09	1.06	0.06	0.09	0	3.82	1.93	0.00	0.00	1
216671_x_at	MUC8	mucin 8	2.32	1.21	0.00	0.00	0	2.63	1.39	0.00	0.00	0	3.11	1.64	0.00	0.00	1
218246_at	MUL1	mitochondrial E3	2.48	1.31	0.00	0.00	0	2.78	1.47	0.00	0.00	0	3.31	1.73	0.00	0.00	1
201960_s_at	MYCBP2	MYC binding prc	0.67	-0.57	0.01	0.02	0	0.38	-1.38	0.00	0.00	0	0.26	-1.92	0.00	0.00	-1
214058_at	MYCL1	v-myc myelocytic	0.67	-0.57	0.28	0.38	0	0.34	-1.55	0.01	0.01	0	0.30	-1.73	0.00	0.00	-1
203216_s_at	MYO6	myosin VI	0.41	-1.28	0.01	0.01	0	0.34	-1.56	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
208452_x_at	MYO9B	myosin IXB	2.86	1.51	0.00	0.00	0	2.89	1.53	0.00	0.00	0	3.15	1.66	0.00	0.00	1
208047_s_at	NAB1	NGFI-A binding p	0.39	-1.36	0.00	0.00	0	0.33	-1.58	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
212443_at	NBEAL2	neurobeachin-lik	0.68	-0.56	0.13	0.21	0	0.38	-1.41	0.00	0.00	0	0.24	-2.03	0.00	0.00	-1
205054_at	NEB	nebulin	1.06	0.09	0.86	0.90	0	0.41	-1.29	0.01	0.02	0	0.13	-2.90	0.00	0.00	-1
215005_at	NECAB2	N-terminal EF-hc	2.86	1.52	0.00	0.00	0	2.57	1.36	0.00	0.00	0	3.07	1.62	0.00	0.00	1
209300_s_at	NECAP1	NECAP endocytic	0.46	-1.14	0.00	0.00	0	0.50	-1.00	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
221805_at	NEFL	neurofilament, li	0.87	-0.20	0.76	0.83	0	2.23	1.16	0.08	0.13	0	13.34	3.74	0.00	0.00	1
221916_at	NEFL	neurofilament, li	1.42	0.50	0.39	0.50	0	1.81	0.86	0.15	0.21	0	12.16	3.60	0.00	0.00	1
205113_at	NEFM	neurofilament, m	1.13	0.18	0.72	0.79	0	1.39	0.48	0.33	0.42	0	5.51	2.46	0.00	0.00	1
216115_at	NF1	neurofibromin 1	0.34	-1.57	0.00	0.00	0	0.37	-1.42	0.00	0.00	0	0.24	-2.09	0.00	0.00	-1
214799_at	NFASC	neurofascin hom	0.38	-1.38	0.00	0.00	0	0.36	-1.46	0.00	0.00	0	0.16	-2.65	0.00	0.00	-1
208003_s_at	NFAT5	nuclear factor of	0.74	-0.44	0.26	0.36	0	0.38	-1.40	0.00	0.00	0	0.28	-1.86	0.00	0.00	-1
213029_at	NFIB	nuclear factor I/E	0.73	-0.46	0.42	0.53	0	0.43	-1.23	0.04	0.06	0	0.17	-2.58	0.00	0.00	-1
209290_s_at	NFIB	nuclear factor I/E	0.61	-0.72	0.27	0.38	0	0.36	-1.49	0.03	0.04	0	0.10	-3.36	0.00	0.00	-1
213298_at	NFIC	nuclear factor I/C	0.74	-0.43	0.34	0.45	0	0.39	-1.36	0.00	0.00	0	0.22	-2.16	0.00	0.00	-1
203574_at	NFIL3	nuclear factor, in	2.02	1.01	0.05	0.10	0	2.94	1.56	0.00	0.00	0	3.11	1.64	0.00	0.00	1
214062_x_at	NFKB1B	nuclear factor of	2.83	1.50	0.00	0.00	0	2.90	1.54	0.00	0.00	0	3.02	1.59	0.00	0.00	1
219418_at	NHEJ1	nonhomologous	2.40	1.26	0.00	0.00	0	2.31	1.21	0.00	0.00	0	3.85	1.95	0.00	0.00	1
201591_s_at	NISCH	nischarin	0.75	-0.42	0.24	0.34	0	0.43	-1.23	0.00	0.00	0	0.30	-1.73	0.00	0.00	-1
202379_s_at	NKTR	natural killer-tum	0.55	-0.87	0.03	0.05	0	0.42	-1.26	0.00	0.00	0	0.32	-1.64	0.00	0.00	-1
210113_s_at	NLRP1	NLR family, pyrir	0.65	-0.63	0.13	0.21	0	0.36	-1.47	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
205005_s_at	NMT2	N-mristoyltrans	0.61	-0.71	0.04	0.07	0	0.46	-1.13	0.00	0.00	0	0.26	-1.92	0.00	0.00	-1
202238_s_at	NNMT	nicotinamide N-r	1.05	0.07	0.92	0.94	0	2.94	1.56	0.02	0.04	0	3.15	1.66	0.02	0.03	1
59625_at	NOL3	nucleolar protein	0.74	-0.43	0.32	0.43	0	0.38	-1.39	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
207310_s_at	NOS1	nitric oxide synth	2.57	1.36	0.00	0.00	0	2.81	1.49	0.00	0.00	0	3.20	1.68	0.00	0.00	1
203238_s_at	NOTCH3	Notch homolog 3	0.59	-0.75	0.06	0.11	0	0.35	-1.53	0.00	0.00	0	0.26	-1.96	0.00	0.00	-1
39549_at	NPAS2	neuronal PAS do	0.36	-1.46	0.00	0.00	0	0.51	-0.96	0.01	0.02	0	0.28	-1.82	0.00	0.00	-1
204310_s_at	NPR2	natriuretic peptid	0.93	-0.10	0.76	0.83	0	0.42	-1.24	0.00	0.00	0	0.17	-2.53	0.00	0.00	-1

221606_s_at	NSBP1	nucleosomal bin	0.37	-1.45	0.00	0.00	0	0.38	-1.40	0.00	0.01	0	0.22	-2.19	0.00	0.00	-1
217831_s_at	NSFL1C	NSFL1 (p97) cof	1.69	0.76	0.07	0.13	0	2.74	1.45	0.00	0.00	0	3.26	1.71	0.00	0.00	1
203939_at	NT5E	5'-nucleotidase, i	1.60	0.68	0.13	0.21	0	1.60	0.68	0.13	0.19	0	5.04	2.33	0.00	0.00	1
206303_s_at	NUDT4	nudix (nucleosid	2.66	1.41	0.00	0.00	0	2.86	1.52	0.00	0.00	0	4.19	2.07	0.00	0.00	1
218295_s_at	NUP50	nucleoporin 50kI	1.77	0.83	0.12	0.19	0	2.05	1.03	0.05	0.08	0	3.39	1.76	0.00	0.00	1
206498_at	OCA2	oculocutaneous	1.73	0.80	0.17	0.25	0	0.94	-0.09	0.87	0.90	0	0.32	-1.64	0.01	0.01	-1
210443_x_at	OGFR	opioid growth fac	2.30	1.20	0.00	0.00	0	2.73	1.45	0.00	0.00	0	3.10	1.63	0.00	0.00	1
212307_s_at	OGT	O-linked N-acety	0.89	-0.17	0.59	0.69	0	0.46	-1.11	0.00	0.00	0	0.25	-2.01	0.00	0.00	-1
207564_x_at	OGT	O-linked N-acety	0.64	-0.65	0.05	0.09	0	0.37	-1.44	0.00	0.00	0	0.17	-2.55	0.00	0.00	-1
213131_at	OLFM1	olfactomedin 1	2.42	1.28	0.07	0.13	0	2.42	1.27	0.07	0.11	0	3.94	1.98	0.01	0.01	1
218556_at	ORMDL2	ORM1-like 2 (S.	1.98	0.99	0.01	0.02	0	2.92	1.55	0.00	0.00	0	3.46	1.79	0.00	0.00	1
222125_s_at	P4HTM	prolyl 4-hydroxyl	0.83	-0.28	0.42	0.53	0	0.37	-1.43	0.00	0.00	0	0.20	-2.35	0.00	0.00	-1
203859_s_at	PALM	paralemmin	0.41	-1.30	0.00	0.00	0	0.61	-0.71	0.03	0.05	0	0.32	-1.62	0.00	0.00	-1
203117_s_at	PAN2	PAN2 poly(A) sp	0.52	-0.93	0.03	0.06	0	0.36	-1.49	0.00	0.00	0	0.22	-2.19	0.00	0.00	-1
203060_s_at	PAPSS2	3'-phosphoadenr	2.13	1.09	0.01	0.02	0	1.57	0.65	0.12	0.18	0	5.18	2.37	0.00	0.00	1
203058_s_at	PAPSS2	3'-phosphoadenr	2.05	1.03	0.01	0.02	0	1.30	0.38	0.32	0.41	0	3.01	1.59	0.00	0.00	1
213372_at	PAQR3	progesterin and ad	0.54	-0.90	0.00	0.01	0	0.37	-1.43	0.00	0.00	0	0.25	-2.02	0.00	0.00	-1
214086_s_at	PARP2	poly (ADP-ribos	0.54	-0.90	0.00	0.00	0	0.42	-1.25	0.00	0.00	0	0.30	-1.74	0.00	0.00	-1
212825_at	PAXIP1	PAX interacting i	0.52	-0.93	0.01	0.02	0	0.46	-1.13	0.00	0.00	0	0.31	-1.71	0.00	0.00	-1
203557_s_at	PCBD1	pterin-4 alpha-ca	2.56	1.36	0.00	0.00	0	2.98	1.58	0.00	0.00	0	3.48	1.80	0.00	0.00	1
205534_at	PCDH7	protocadherin 7	0.94	-0.09	0.89	0.92	0	1.53	0.61	0.34	0.43	0	3.23	1.69	0.01	0.02	1
210022_at	PCGF1	polycomb group	2.64	1.40	0.00	0.00	0	2.35	1.23	0.00	0.00	0	3.13	1.65	0.00	0.00	1
214937_x_at	PCM1	pericentriolar ma	0.43	-1.20	0.00	0.00	0	0.37	-1.45	0.00	0.00	0	0.27	-1.89	0.00	0.00	-1
215175_at	PCNX	pecanex homolo	0.45	-1.15	0.02	0.04	0	0.35	-1.50	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
206791_s_at	PDE4C	phosphodiestera	2.73	1.45	0.00	0.00	0	2.93	1.55	0.00	0.00	0	3.16	1.66	0.00	0.00	1
203857_s_at	PDIA5	protein disulfide	1.26	0.34	0.42	0.53	0	2.39	1.26	0.00	0.00	0	3.77	1.92	0.00	0.00	1
219165_at	PDLIM2	PDZ and LIM do	0.77	-0.37	0.23	0.33	0	0.46	-1.13	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
211564_s_at	PDLIM4	PDZ and LIM do	1.35	0.43	0.31	0.42	0	1.36	0.45	0.30	0.38	0	3.58	1.84	0.00	0.00	1
221898_at	PDPN	podoplanin	0.41	-1.29	0.00	0.01	0	2.11	1.08	0.02	0.03	0	8.04	3.01	0.00	0.00	1
220865_s_at	PDSS1	prenyl (decaprer	2.22	1.15	0.00	0.00	0	2.96	1.57	0.00	0.00	0	3.73	1.90	0.00	0.00	1
218018_at	PDXK	pyridoxal (pyrido	1.39	0.48	0.24	0.34	0	2.76	1.46	0.00	0.00	0	3.84	1.94	0.00	0.00	1
220944_at	PGLYRP4	peptidoglycan re	2.90	1.54	0.00	0.00	0	2.25	1.17	0.01	0.03	0	3.41	1.77	0.00	0.00	1
201968_s_at	PGM1	phosphoglucomu	2.76	1.47	0.00	0.00	0	2.65	1.41	0.00	0.00	0	3.26	1.70	0.00	0.00	1
213227_at	PGRMC2	progesterone rec	0.58	-0.78	0.00	0.01	0	0.37	-1.46	0.00	0.00	0	0.23	-2.15	0.00	0.00	-1
204866_at	PHF16	PHD finger prote	0.35	-1.52	0.00	0.00	0	0.40	-1.31	0.00	0.00	0	0.24	-2.05	0.00	0.00	-1
217952_x_at	PHF3	PHD finger prote	0.51	-0.96	0.00	0.01	0	0.48	-1.05	0.00	0.00	0	0.28	-1.83	0.00	0.00	-1
201397_at	PHGDH	phosphoglycerat	1.17	0.23	0.62	0.71	0	0.72	-0.47	0.30	0.38	0	0.21	-2.28	0.00	0.00	-1
212719_at	PHLPP1	PH domain and l	0.50	-0.99	0.01	0.01	0	0.37	-1.44	0.00	0.00	0	0.24	-2.05	0.00	0.00	-1
217862_at	PIAS1	protein inhibitor	0.42	-1.26	0.01	0.02	0	0.42	-1.26	0.01	0.02	0	0.32	-1.63	0.00	0.00	-1
205281_s_at	PIGA	phosphatidylinos	0.40	-1.34	0.00	0.00	0	0.34	-1.57	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
202743_at	PIK3R3	phosphoinositide	1.24	0.31	0.55	0.65	0	2.86	1.51	0.01	0.01	0	4.31	2.11	0.00	0.00	1
201929_s_at	PKP4	plakophilin 4	0.67	-0.57	0.09	0.16	0	0.34	-1.55	0.00	0.00	0	0.28	-1.85	0.00	0.00	-1
205479_s_at	PLAU	plasminogen act	2.60	1.38	0.00	0.00	0	2.73	1.45	0.00	0.00	0	8.45	3.08	0.00	0.00	1
220952_s_at	PLEKHA5	pleckstrin homol	0.42	-1.27	0.00	0.00	0	0.46	-1.13	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
212823_s_at	PLEKHG3	pleckstrin homol	2.48	1.31	0.00	0.00	0	2.46	1.30	0.00	0.00	0	3.01	1.59	0.00	0.00	1
202185_at	PLOD3	procollagen-lysin	2.02	1.01	0.01	0.03	0	2.64	1.40	0.00	0.00	0	3.82	1.93	0.00	0.00	1
202430_s_at	PLSCR1	phospholipid scr	0.51	-0.97	0.04	0.08	0	1.85	0.88	0.07	0.11	0	3.00	1.59	0.00	0.00	1
213030_s_at	PLXNA2	plexin A2	0.58	-0.79	0.04	0.08	0	0.41	-1.28	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1

217875_s_at	PMEPA1	prostate transme	1.02	0.03	0.95	0.96	0	1.04	0.06	0.91	0.93	0	3.15	1.66	0.00	0.00	1
206503_x_at	PML	promyelocytic lei	1.63	0.70	0.01	0.02	0	1.61	0.69	0.01	0.02	0	3.09	1.63	0.00	0.00	1
215412_x_at	PMS2L2	postmeiotic segr	0.65	-0.63	0.03	0.05	0	0.40	-1.32	0.00	0.00	0	0.29	-1.77	0.00	0.00	-1
212037_at	PNN	pinin, desmosorr	0.49	-1.02	0.00	0.00	0	0.35	-1.53	0.00	0.00	0	0.31	-1.70	0.00	0.00	-1
219380_x_at	POLH	polymerase (DN	0.45	-1.14	0.00	0.00	0	0.34	-1.57	0.00	0.00	0	0.23	-2.12	0.00	0.00	-1
217769_s_at	POMP	proteasome mat	1.97	0.98	0.00	0.00	0	2.12	1.09	0.00	0.00	0	3.07	1.62	0.00	0.00	1
219926_at	POPDC3	popeye domain c	0.98	-0.02	0.95	0.96	0	1.41	0.50	0.21	0.29	0	3.64	1.86	0.00	0.00	1
212226_s_at	PPAP2B	phosphatidic aci	1.41	0.49	0.41	0.52	0	2.90	1.54	0.01	0.02	0	3.05	1.61	0.01	0.01	1
204518_s_at	PPIC	peptidylprolyl iso	1.13	0.17	0.65	0.74	0	2.05	1.03	0.01	0.01	0	3.06	1.61	0.00	0.00	1
216347_s_at	PPP1R13B	protein phosphal	0.62	-0.69	0.03	0.07	0	0.53	-0.91	0.01	0.01	0	0.25	-2.01	0.00	0.00	-1
202886_s_at	PPP2R1B	protein phosphal	2.18	1.12	0.01	0.01	0	2.18	1.13	0.01	0.01	0	3.43	1.78	0.00	0.00	1
219264_s_at	PPP2R3B	protein phosphal	0.49	-1.03	0.00	0.00	0	0.36	-1.49	0.00	0.00	0	0.27	-1.90	0.00	0.00	-1
207752_x_at	PRB1	proline-rich prote	2.38	1.25	0.00	0.00	0	2.58	1.37	0.00	0.00	0	3.18	1.67	0.00	0.00	1
213010_at	PRKCDBP	protein kinase C	1.29	0.37	0.42	0.53	0	2.80	1.48	0.00	0.00	0	4.40	2.14	0.00	0.00	1
210038_at	PRKCQ	protein kinase C	1.33	0.42	0.33	0.44	0	2.21	1.14	0.01	0.02	0	5.19	2.38	0.00	0.00	1
218613_at	PSD3	pleckstrin and S	0.40	-1.32	0.04	0.07	0	0.46	-1.13	0.07	0.11	0	0.29	-1.80	0.01	0.01	-1
202659_at	PSMB10	proteasome (pro	2.82	1.50	0.00	0.00	0	2.89	1.53	0.00	0.00	0	6.07	2.60	0.00	0.00	1
209334_s_at	PSMD9	proteasome (pro	1.62	0.69	0.03	0.06	0	2.21	1.14	0.00	0.00	0	3.60	1.85	0.00	0.00	1
205194_at	PSPH	phosphoserine p	0.45	-1.16	0.01	0.01	0	0.55	-0.85	0.04	0.06	0	0.31	-1.68	0.00	0.00	-1
209815_at	PTCH1	patched homolo	0.50	-0.99	0.08	0.14	0	0.55	-0.86	0.13	0.19	0	0.22	-2.17	0.00	0.00	-1
210834_s_at	PTGER3	prostaglandin E	0.54	-0.88	0.03	0.05	0	0.35	-1.51	0.00	0.00	0	0.24	-2.06	0.00	0.00	-1
213933_at	PTGER3	prostaglandin E	1.45	0.54	0.42	0.53	0	0.61	-0.72	0.28	0.37	0	0.21	-2.25	0.00	0.00	-1
205128_x_at	PTGS1	prostaglandin-en	1.11	0.15	0.74	0.81	0	0.37	-1.44	0.00	0.00	0	0.29	-1.78	0.00	0.00	-1
211756_at	PTHLH	parathyroid horr	0.76	-0.41	0.57	0.67	0	3.09	1.63	0.03	0.05	0	17.89	4.16	0.00	0.00	1
206300_s_at	PTHLH	parathyroid horr	0.97	-0.05	0.92	0.94	0	1.78	0.83	0.08	0.13	0	6.37	2.67	0.00	0.00	1
210355_at	PTHLH	parathyroid horr	0.67	-0.57	0.22	0.33	0	1.24	0.31	0.50	0.59	0	4.49	2.17	0.00	0.00	1
219654_at	PTPLA	protein tyrosine p	1.76	0.82	0.19	0.28	0	1.79	0.84	0.18	0.25	0	4.75	2.25	0.00	0.00	1
204944_at	PTPRG	protein tyrosine p	1.24	0.31	0.52	0.63	0	2.66	1.41	0.01	0.01	0	3.21	1.68	0.00	0.00	1
201087_at	PXN	paxillin	1.51	0.60	0.02	0.03	0	1.81	0.86	0.00	0.00	0	3.78	1.92	0.00	0.00	1
202990_at	PYGL	phosphorylase, c	1.54	0.62	0.02	0.03	0	2.71	1.44	0.00	0.00	0	4.00	2.00	0.00	0.00	1
220209_at	PYY2	peptide YY, 2 (st	1.32	0.40	0.29	0.40	0	1.76	0.82	0.03	0.06	0	3.49	1.80	0.00	0.00	1
205174_s_at	QPCT	glutaminy-peptic	0.99	-0.01	0.99	0.99	0	0.54	-0.89	0.11	0.17	0	0.30	-1.72	0.00	0.00	-1
200864_s_at	RAB11A	RAB11A, membr	0.41	-1.29	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
207018_s_at	RAB27B	RAB27B, membr	0.43	-1.22	0.01	0.02	0	0.50	-1.01	0.03	0.05	0	0.32	-1.64	0.00	0.00	-1
219210_s_at	RAB8B	RAB8B, membr	0.68	-0.57	0.26	0.36	0	1.38	0.47	0.35	0.44	0	3.52	1.82	0.00	0.00	1
203020_at	RABGAP1L	RAB GTPase ac	0.62	-0.68	0.02	0.04	0	0.42	-1.24	0.00	0.00	0	0.32	-1.67	0.00	0.00	-1
215342_s_at	RABGAP1L	RAB GTPase ac	0.49	-1.04	0.06	0.11	0	0.46	-1.14	0.04	0.07	0	0.24	-2.04	0.00	0.00	-1
202583_s_at	RANBP9	RAN binding pro	0.36	-1.49	0.00	0.00	0	0.54	-0.89	0.04	0.07	0	0.29	-1.81	0.00	0.00	-1
221872_at	RARRES1	retinoic acid rece	1.07	0.10	0.89	0.92	0	1.10	0.14	0.84	0.88	0	3.39	1.76	0.01	0.02	1
202033_s_at	RB1CC1	RB1-inducible cc	0.40	-1.31	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.29	-1.78	0.00	0.00	-1
212332_at	RBL2	retinoblastoma-li	0.35	-1.51	0.01	0.01	0	0.39	-1.38	0.01	0.02	0	0.30	-1.72	0.00	0.00	-1
212027_at	RBM25	RNA binding mo	0.55	-0.86	0.02	0.03	0	0.37	-1.43	0.00	0.00	0	0.32	-1.64	0.00	0.00	-1
203423_at	RBP1	retinol binding pr	1.51	0.60	0.35	0.46	0	1.32	0.40	0.53	0.61	0	5.19	2.38	0.00	0.00	1
218564_at	RFWD3	ring finger and W	0.42	-1.26	0.00	0.00	0	0.39	-1.35	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
210138_at	RGS20	regulator of G-pr	1.29	0.37	0.58	0.68	0	2.97	1.57	0.02	0.04	0	4.30	2.10	0.00	0.00	1
205158_at	RNASE4	ribonuclease, RN	0.44	-1.20	0.01	0.01	0	0.34	-1.57	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
200868_s_at	RNF114	ring finger protei	2.35	1.24	0.00	0.00	0	2.74	1.45	0.00	0.00	0	4.25	2.09	0.00	0.00	1
219104_at	RNF141	ring finger protei	1.96	0.97	0.01	0.01	0	2.32	1.21	0.00	0.00	0	3.11	1.64	0.00	0.00	1

214697_s_at	ROD1 regulator	2.04	1.03	0.12	0.19	0	2.41	1.27	0.06	0.09	0	3.10	1.63	0.02	0.03	1
207624_s_at	retinitis pigmentc	0.44	-1.20	0.00	0.00	0	0.47	-1.09	0.00	0.00	0	0.23	-2.14	0.00	0.00	-1
213959_s_at	RPGRIP1-like	0.34	-1.56	0.00	0.00	0	0.35	-1.51	0.00	0.00	0	0.32	-1.65	0.00	0.00	-1
214041_x_at	ribosomal protei	0.44	-1.20	0.09	0.15	0	0.39	-1.35	0.06	0.09	0	0.25	-2.02	0.01	0.01	-1
203379_at	ribosomal protei	1.64	0.71	0.09	0.15	0	1.95	0.97	0.02	0.04	0	3.01	1.59	0.00	0.00	1
204632_at	ribosomal protei	2.94	1.55	0.00	0.00	0	2.97	1.57	0.00	0.00	0	3.53	1.82	0.00	0.00	1
204633_s_at	ribosomal protei	0.76	-0.40	0.34	0.45	0	0.58	-0.78	0.07	0.11	0	0.28	-1.86	0.00	0.00	-1
204635_at	ribosomal protei	0.57	-0.80	0.04	0.07	0	0.66	-0.59	0.12	0.18	0	0.24	-2.09	0.00	0.00	-1
34408_at	reticulum 2	2.33	1.22	0.00	0.00	0	2.24	1.16	0.00	0.00	0	3.19	1.67	0.00	0.00	1
200660_at	S100 calcium bir	2.04	1.03	0.00	0.00	0	2.70	1.43	0.00	0.00	0	3.40	1.77	0.00	0.00	1
202598_at	S100 calcium bir	1.86	0.89	0.00	0.01	0	2.39	1.26	0.00	0.00	0	3.13	1.65	0.00	0.00	1
204268_at	S100 calcium bir	2.31	1.21	0.13	0.20	0	3.19	1.67	0.04	0.06	0	6.70	2.75	0.00	0.00	1
206027_at	S100 calcium bir	0.81	-0.31	0.44	0.55	0	1.53	0.61	0.13	0.19	0	6.42	2.68	0.00	0.00	1
217728_at	S100 calcium bir	1.35	0.44	0.21	0.30	0	2.62	1.39	0.00	0.00	0	6.35	2.67	0.00	0.00	1
213283_s_at	sal-like 2 (Droso)	0.41	-1.28	0.00	0.00	0	0.43	-1.21	0.00	0.00	0	0.30	-1.76	0.00	0.00	-1
219691_at	sterile alpha mot	0.75	-0.41	0.32	0.43	0	2.78	1.48	0.00	0.00	0	3.68	1.88	0.00	0.00	1
204900_x_at	Sin3A-associate	0.63	-0.67	0.13	0.20	0	0.46	-1.12	0.01	0.02	0	0.30	-1.72	0.00	0.00	-1
214997_at	suppressor of ca	0.41	-1.29	0.00	0.00	0	0.36	-1.46	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
203889_at	secretogranin V	0.96	-0.07	0.91	0.94	0	1.23	0.30	0.62	0.70	0	6.19	2.63	0.00	0.00	1
204030_s_at	schwannomin ini	0.70	-0.52	0.34	0.45	0	2.39	1.26	0.03	0.05	0	3.12	1.64	0.00	0.00	1
219197_s_at	signal peptide, C	0.82	-0.29	0.58	0.68	0	0.44	-1.19	0.02	0.04	0	0.25	-1.97	0.00	0.00	-1
218681_s_at	stromal cell-deriv	2.40	1.26	0.00	0.00	0	2.29	1.19	0.00	0.00	0	3.43	1.78	0.00	0.00	1
204541_at	SEC14-like 2 (S.	1.72	0.78	0.07	0.13	0	2.17	1.12	0.01	0.02	0	4.36	2.12	0.00	0.00	1
215009_s_at	SEC31 homolog	0.59	-0.77	0.03	0.06	0	0.36	-1.50	0.00	0.00	0	0.27	-1.92	0.00	0.00	-1
203789_s_at	sema domain, irr	2.12	1.08	0.11	0.19	0	2.90	1.53	0.03	0.05	0	3.90	1.96	0.01	0.01	1
203528_at	sema domain, irr	1.04	0.06	0.89	0.92	0	0.64	-0.65	0.17	0.24	0	0.32	-1.64	0.00	0.00	-1
217977_at	selenoprotein X,	1.95	0.97	0.00	0.00	0	2.02	1.01	0.00	0.00	0	3.32	1.73	0.00	0.00	1
200971_s_at	stress-associate	2.30	1.20	0.00	0.00	0	2.89	1.53	0.00	0.00	0	3.18	1.67	0.00	0.00	1
209723_at	serpin peptidase	0.94	-0.09	0.90	0.93	0	2.73	1.45	0.04	0.07	0	5.39	2.43	0.00	0.00	1
218346_s_at	sestrin 1	0.52	-0.96	0.03	0.06	0	0.39	-1.37	0.00	0.00	0	0.26	-1.94	0.00	0.00	-1
220946_s_at	SET domain con	0.44	-1.19	0.00	0.00	0	0.39	-1.37	0.00	0.00	0	0.28	-1.83	0.00	0.00	-1
221806_s_at	SET domain con	0.51	-0.96	0.01	0.01	0	0.44	-1.20	0.00	0.00	0	0.32	-1.66	0.00	0.00	-1
219751_at	SET domain con	0.77	-0.38	0.30	0.41	0	0.37	-1.44	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
222311_s_at	splicing factor, ai	0.68	-0.56	0.15	0.23	0	0.39	-1.37	0.00	0.00	0	0.27	-1.89	0.00	0.00	-1
212179_at	splicing factor, ai	0.38	-1.41	0.00	0.00	0	0.35	-1.54	0.00	0.00	0	0.24	-2.08	0.00	0.00	-1
211735_x_at	surfactant protei	2.61	1.39	0.00	0.00	0	2.38	1.25	0.00	0.00	0	3.17	1.66	0.00	0.00	1
214199_at	surfactant protei	0.44	-1.19	0.00	0.00	0	0.36	-1.46	0.00	0.00	0	0.21	-2.24	0.00	0.00	-1
207351_s_at	SH2 domain pro	2.05	1.04	0.00	0.00	0	2.95	1.56	0.00	0.00	0	5.12	2.36	0.00	0.00	1
219256_s_at	SH3 domain and	0.97	-0.05	0.94	0.95	0	1.28	0.36	0.54	0.62	0	4.38	2.13	0.00	0.00	1
213221_s_at	salt-inducible kin	0.40	-1.31	0.00	0.00	0	0.39	-1.35	0.00	0.00	0	0.25	-1.99	0.00	0.00	-1
202254_at	signal-induced p	0.82	-0.29	0.48	0.59	0	0.64	-0.64	0.13	0.19	0	0.32	-1.64	0.00	0.00	-1
202897_at	signal-regulatory	2.64	1.40	0.00	0.00	0	2.97	1.57	0.00	0.00	0	4.20	2.07	0.00	0.00	1
202896_s_at	signal-regulatory	1.77	0.82	0.00	0.00	0	2.24	1.16	0.00	0.00	0	3.23	1.69	0.00	0.00	1
202234_s_at	solute carrier fan	1.43	0.52	0.38	0.49	0	2.81	1.49	0.01	0.02	0	7.74	2.95	0.00	0.00	1
209900_s_at	solute carrier fan	1.52	0.60	0.06	0.12	0	2.77	1.47	0.00	0.00	0	6.36	2.67	0.00	0.00	1
202236_s_at	solute carrier fan	1.34	0.42	0.09	0.16	0	2.01	1.01	0.00	0.00	0	3.51	1.81	0.00	0.00	1
205896_at	solute carrier fan	1.55	0.64	0.06	0.11	0	1.81	0.86	0.01	0.02	0	3.43	1.78	0.00	0.00	1
221751_at	solute carrier fan	0.56	-0.85	0.01	0.01	0	0.38	-1.41	0.00	0.00	0	0.22	-2.16	0.00	0.00	-1

206770_s_at	SLC35A3	solute carrier fan	0.51	-0.98	0.00	0.00	0	0.45	-1.14	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
218485_s_at	SLC35C1	solute carrier fan	2.29	1.20	0.00	0.00	0	2.43	1.28	0.00	0.00	0	3.87	1.95	0.00	0.00	1
213083_at	SLC35D2	solute carrier fan	2.60	1.38	0.00	0.00	0	2.36	1.24	0.00	0.00	0	3.24	1.69	0.00	0.00	1
212110_at	SLC39A14	solute carrier fan	1.30	0.38	0.46	0.57	0	2.19	1.13	0.03	0.06	0	3.23	1.69	0.00	0.00	1
204394_at	SLC43A1	solute carrier fan	0.64	-0.64	0.01	0.03	0	0.36	-1.46	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
201195_s_at	SLC7A5	solute carrier fan	1.61	0.69	0.11	0.18	0	2.53	1.34	0.00	0.00	0	3.09	1.63	0.00	0.00	1
206544_x_at	SMARCA2	SWI/SNF relatec	0.39	-1.37	0.00	0.00	0	0.43	-1.22	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
201321_s_at	SMARCC2	SWI/SNF relatec	0.52	-0.93	0.01	0.01	0	0.45	-1.15	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
212569_at	SMCHD1	structural mainte	0.46	-1.13	0.00	0.01	0	0.40	-1.33	0.00	0.00	0	0.32	-1.65	0.00	0.00	-1
218404_at	SNX10	sorting nexin 10	0.73	-0.45	0.48	0.59	0	2.65	1.41	0.03	0.05	0	3.13	1.65	0.01	0.02	1
215223_s_at	SOD2	superoxide dism	1.97	0.98	0.04	0.08	0	2.42	1.27	0.01	0.01	0	3.21	1.68	0.00	0.00	1
204275_at	SOLH	small optic lobes	0.59	-0.77	0.01	0.02	0	0.36	-1.47	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
212560_at	SORL1	sortilin-related re	0.76	-0.40	0.47	0.58	0	1.24	0.31	0.58	0.66	0	3.19	1.67	0.00	0.00	1
201416_at	SOX4	SRY (sex deterr	1.37	0.46	0.33	0.44	0	2.36	1.24	0.01	0.02	0	3.33	1.74	0.00	0.00	1
213168_at	SP3	Sp3 transcripior	0.37	-1.42	0.00	0.00	0	0.38	-1.40	0.00	0.00	0	0.27	-1.90	0.00	0.00	-1
210117_at	SPAG1	sperm associate	0.37	-1.44	0.02	0.05	0	0.33	-1.58	0.01	0.02	0	0.31	-1.68	0.01	0.01	-1
209857_s_at	SPHK2	sphingosine kina	2.73	1.45	0.00	0.00	0	2.98	1.57	0.00	0.00	0	3.35	1.74	0.00	0.00	1
209875_s_at	SPP1	secreted phosph	1.45	0.53	0.61	0.70	0	2.18	1.12	0.28	0.37	0	8.76	3.13	0.00	0.00	1
212558_at	SPRY1	sprouty homolog	0.48	-1.08	0.03	0.05	0	0.48	-1.05	0.03	0.05	0	0.21	-2.27	0.00	0.00	-1
217995_at	SQRDL	sulfide quinone r	2.16	1.11	0.00	0.01	0	1.86	0.90	0.02	0.03	0	3.60	1.85	0.00	0.00	1
210959_s_at	SRD5A1	steroid-5-alpha-r	1.49	0.58	0.25	0.35	0	1.60	0.68	0.18	0.25	0	3.26	1.71	0.00	0.00	1
208921_s_at	SRI	sorcin	1.95	0.97	0.00	0.00	0	2.95	1.56	0.00	0.00	0	3.46	1.79	0.00	0.00	1
219205_at	SRR	serine racemase	1.13	0.17	0.57	0.67	0	2.30	1.20	0.00	0.00	0	3.11	1.64	0.00	0.00	1
202506_at	SSFA2	sperm specific a	0.41	-1.30	0.00	0.00	0	0.35	-1.54	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
202440_s_at	ST5	suppression of tu	1.61	0.68	0.03	0.05	0	2.63	1.39	0.00	0.00	0	5.13	2.36	0.00	0.00	1
221191_at	STAG3L1	stromal antigen 3	0.76	-0.40	0.36	0.47	0	0.37	-1.43	0.00	0.00	0	0.25	-2.02	0.00	0.00	-1
218424_s_at	STEAP3	STEAP family m	2.83	1.50	0.00	0.00	0	2.30	1.20	0.00	0.00	0	4.10	2.04	0.00	0.00	1
202693_s_at	STK17A	serine/threonine	0.67	-0.58	0.25	0.35	0	2.61	1.38	0.01	0.01	0	3.20	1.68	0.00	0.00	1
33736_at	STOML1	stomatin (EPB72	2.40	1.26	0.00	0.00	0	1.88	0.91	0.00	0.00	0	3.24	1.70	0.00	0.00	1
221701_s_at	STRA6	stimulated by ret	1.68	0.75	0.04	0.08	0	1.81	0.85	0.02	0.04	0	4.20	2.07	0.00	0.00	1
221500_s_at	STX16	syntaxin 16	0.41	-1.27	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.28	-1.82	0.00	0.00	-1
201483_s_at	SUPT4H1	suppressor of Ty	2.09	1.07	0.00	0.00	0	2.93	1.55	0.00	0.00	0	3.34	1.74	0.00	0.00	1
217704_x_at	SUZ12P	suppressor of ze	0.37	-1.45	0.00	0.00	0	0.34	-1.57	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
209306_s_at	SWAP70	SWAP switching	0.35	-1.53	0.00	0.00	0	0.39	-1.35	0.00	0.00	0	0.30	-1.76	0.00	0.00	-1
204287_at	SYNGR1	synaptogyrin 1	0.50	-1.01	0.00	0.00	0	0.39	-1.35	0.00	0.00	0	0.31	-1.68	0.00	0.00	-1
202796_at	SYNPO	synaptopodin	1.32	0.40	0.45	0.56	0	2.03	1.02	0.06	0.10	0	5.71	2.51	0.00	0.00	1
211382_s_at	TACC2	transforming, aci	0.49	-1.03	0.02	0.03	0	0.35	-1.53	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
210978_s_at	TAGLN2	transgelin 2	2.26	1.18	0.00	0.00	0	2.48	1.31	0.00	0.00	0	3.70	1.89	0.00	0.00	1
220789_s_at	TBRG4	transforming gro	2.55	1.35	0.00	0.00	0	2.37	1.24	0.00	0.00	0	3.29	1.72	0.00	0.00	1
204849_at	TCFL5	transcription fact	0.41	-1.28	0.00	0.00	0	0.41	-1.29	0.00	0.00	0	0.30	-1.73	0.00	0.00	-1
204158_s_at	TCIRG1	T-cell, immune r	1.80	0.85	0.03	0.05	0	2.86	1.52	0.00	0.00	0	5.56	2.48	0.00	0.00	1
205796_at	TCP11L1	t-complex 11 (m	0.98	-0.03	0.95	0.96	0	2.26	1.17	0.03	0.04	0	3.24	1.70	0.00	0.00	1
205943_at	TDO2	tryptophan 2,3-d	0.95	-0.08	0.91	0.93	0	1.06	0.08	0.91	0.93	0	4.04	2.02	0.01	0.01	1
219715_s_at	TDP1	tyrosyl-DNA pho	1.35	0.43	0.23	0.33	0	2.33	1.22	0.00	0.00	0	3.74	1.90	0.00	0.00	1
214451_at	TFAP2B	transcription fact	1.17	0.23	0.77	0.83	0	0.36	-1.46	0.06	0.10	0	0.07	-3.80	0.00	0.00	-1
206004_at	TGM3	transglutaminase	1.55	0.63	0.11	0.18	0	1.34	0.42	0.28	0.37	0	0.21	-2.24	0.00	0.00	-1
222122_s_at	THOC2	THO complex 2	0.49	-1.02	0.00	0.00	0	0.39	-1.36	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
206555_s_at	THUMP1	THUMP domain	0.48	-1.06	0.00	0.00	0	0.34	-1.55	0.00	0.00	0	0.31	-1.68	0.00	0.00	-1

201666_at	TIMP1	TIMP metalloprotease	2.03	1.02	0.03	0.05	0	2.61	1.38	0.00	0.00	0	4.02	2.01	0.00	0.00	1
40837_at	TLE2	transducin-like e	1.14	0.19	0.74	0.81	0	0.71	-0.49	0.40	0.49	0	0.33	-1.59	0.01	0.01	-1
206271_at	TLR3	toll-like receptor	0.48	-1.07	0.03	0.06	0	0.42	-1.26	0.01	0.02	0	0.33	-1.60	0.00	0.00	-1
217974_at	TM7SF3	transmembrane	0.59	-0.75	0.05	0.09	0	0.45	-1.17	0.00	0.00	0	0.21	-2.23	0.00	0.00	-1
203679_at	TMED1	transmembrane	2.68	1.42	0.00	0.00	0	2.82	1.50	0.00	0.00	0	3.11	1.64	0.00	0.00	1
220097_s_at	TMEM104	transmembrane	2.87	1.52	0.00	0.00	0	2.83	1.50	0.00	0.00	0	3.01	1.59	0.00	0.00	1
215250_at	TMEM111	transmembrane	0.46	-1.13	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
219253_at	TMEM185B	transmembrane	1.56	0.64	0.02	0.05	0	2.37	1.24	0.00	0.00	0	3.10	1.63	0.00	0.00	1
217016_x_at	TMEM212	transmembrane	0.48	-1.07	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
52078_at	TMEM222	transmembrane	2.42	1.28	0.00	0.00	0	2.90	1.54	0.00	0.00	0	3.22	1.69	0.00	0.00	1
221255_s_at	TMEM93	transmembrane	1.89	0.92	0.00	0.00	0	2.48	1.31	0.00	0.00	0	3.32	1.73	0.00	0.00	1
201207_at	TNFAIP1	tumor necrosis fa	2.24	1.17	0.00	0.00	0	2.85	1.51	0.00	0.00	0	3.14	1.65	0.00	0.00	1
201208_s_at	TNFAIP1	tumor necrosis fa	1.83	0.87	0.00	0.00	0	2.67	1.42	0.00	0.00	0	3.12	1.64	0.00	0.00	1
209295_at	TNFRSF10B	tumor necrosis fa	2.53	1.34	0.00	0.00	0	1.38	0.47	0.16	0.23	0	3.17	1.66	0.00	0.00	1
203508_at	TNFRSF1B	tumor necrosis fa	2.10	1.07	0.00	0.00	0	2.77	1.47	0.00	0.00	0	4.44	2.15	0.00	0.00	1
214581_x_at	TNFRSF21	tumor necrosis fa	0.87	-0.21	0.60	0.70	0	1.56	0.64	0.11	0.16	0	3.38	1.76	0.00	0.00	1
202687_s_at	TNFSF10	tumor necrosis fa	1.50	0.59	0.10	0.16	0	2.48	1.31	0.00	0.00	0	3.11	1.64	0.00	0.00	1
213201_s_at	TNNT1	troponin T type 1	0.89	-0.16	0.70	0.78	0	0.41	-1.28	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
221496_s_at	TOB2	transducer of ER	0.76	-0.39	0.40	0.52	0	0.38	-1.39	0.01	0.01	0	0.30	-1.73	0.00	0.00	-1
201512_s_at	TOMM70A	translocase of o	2.37	1.24	0.00	0.00	0	2.51	1.33	0.00	0.00	0	3.32	1.73	0.00	0.00	1
201689_s_at	TPD52	tumor protein D5	0.47	-1.10	0.03	0.06	0	0.50	-1.01	0.04	0.07	0	0.27	-1.92	0.00	0.00	-1
210372_s_at	TPD52L1	tumor protein D5	2.17	1.12	0.03	0.05	0	2.81	1.49	0.00	0.00	0	4.46	2.16	0.00	0.00	1
210986_s_at	TPM1	tropomyosin 1 (a	1.60	0.68	0.15	0.23	0	2.50	1.32	0.01	0.01	0	5.65	2.50	0.00	0.00	1
206116_s_at	TPM1	tropomyosin 1 (a	0.95	-0.07	0.91	0.93	0	1.73	0.79	0.19	0.27	0	3.42	1.77	0.00	0.01	1
204079_at	TPST2	tyrosylprotein su	1.84	0.88	0.01	0.03	0	2.32	1.21	0.00	0.00	0	3.21	1.68	0.00	0.00	1
210180_s_at	TRA2B	transformer 2 be	0.40	-1.32	0.00	0.01	0	0.37	-1.45	0.00	0.00	0	0.28	-1.82	0.00	0.00	-1
213888_s_at	TRAF3IP3	TRAF3 interactir	1.40	0.49	0.47	0.58	0	1.86	0.90	0.18	0.26	0	3.39	1.76	0.01	0.02	1
206479_at	TRPM1	transient receptc	1.17	0.22	0.71	0.79	0	0.58	-0.78	0.20	0.27	0	0.31	-1.69	0.01	0.01	-1
205708_s_at	TRPM2	transient receptc	2.12	1.09	0.00	0.00	0	2.80	1.49	0.00	0.00	0	3.21	1.68	0.00	0.00	1
209390_at	TSC1	tuberous scleros	0.41	-1.30	0.00	0.00	0	0.34	-1.57	0.00	0.00	0	0.30	-1.75	0.00	0.00	-1
203824_at	TSPAN8	tetraspanin 8	0.39	-1.37	0.01	0.02	0	0.48	-1.06	0.05	0.08	0	0.32	-1.64	0.00	0.00	-1
212928_at	TSPYL4	TSPY-like 4	0.46	-1.14	0.00	0.00	0	0.47	-1.11	0.00	0.00	0	0.29	-1.79	0.00	0.00	-1
219758_at	TTC26	tetratricopeptide	1.76	0.82	0.01	0.01	0	2.11	1.08	0.00	0.00	0	3.04	1.61	0.00	0.00	1
208663_s_at	TTC3	tetratricopeptide	0.53	-0.92	0.00	0.00	0	0.43	-1.21	0.00	0.00	0	0.31	-1.70	0.00	0.00	-1
203048_s_at	TTC37	tetratricopeptide	0.44	-1.20	0.00	0.00	0	0.43	-1.24	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
203049_s_at	TTC37	tetratricopeptide	0.47	-1.09	0.00	0.00	0	0.44	-1.19	0.00	0.00	0	0.32	-1.64	0.00	0.00	-1
215898_at	TTL5	tubulin tyrosine li	0.38	-1.39	0.00	0.00	0	0.35	-1.53	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
201090_x_at	TUBA1B	tubulin, alpha 1b	2.37	1.24	0.00	0.00	0	2.98	1.58	0.00	0.00	0	3.62	1.86	0.00	0.00	1
209191_at	TUBB6	tubulin, beta 6	1.92	0.94	0.00	0.00	0	2.73	1.45	0.00	0.00	0	3.58	1.84	0.00	0.00	1
218184_at	TULP4	tubby like proteir	0.57	-0.81	0.00	0.00	0	0.34	-1.55	0.00	0.00	0	0.23	-2.10	0.00	0.00	-1
217497_at	TYMP	thymidine phosp	2.45	1.29	0.01	0.02	0	1.68	0.75	0.12	0.18	0	3.66	1.87	0.00	0.00	1
205694_at	TYRP1	tyrosinase-relate	0.79	-0.33	0.83	0.88	0	0.45	-1.16	0.46	0.54	0	0.03	-5.04	0.00	0.00	-1
201534_s_at	UBL3	ubiquitin-like 3	0.43	-1.21	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.21	-2.24	0.00	0.00	-1
208883_at	UBR5	ubiquitin protein	0.35	-1.53	0.00	0.00	0	0.43	-1.21	0.00	0.00	0	0.30	-1.74	0.00	0.00	-1
214624_at	UPK1A	uropalakin 1A	0.40	-1.33	0.00	0.00	0	0.39	-1.36	0.00	0.00	0	0.21	-2.29	0.00	0.00	-1
212513_s_at	USP33	ubiquitin specific	0.37	-1.44	0.00	0.00	0	0.34	-1.56	0.00	0.00	0	0.31	-1.70	0.00	0.00	-1
222032_s_at	USP7	ubiquitin specific	0.54	-0.89	0.00	0.00	0	0.43	-1.21	0.00	0.00	0	0.33	-1.60	0.00	0.00	-1
202745_at	USP8	ubiquitin specific	0.37	-1.43	0.00	0.00	0	0.36	-1.49	0.00	0.00	0	0.29	-1.81	0.00	0.00	-1

218807_at	VAV3	vav 3 guanine nu	0.56	-0.83	0.03	0.06	0	0.40	-1.31	0.00	0.00	0	0.24	-2.08	0.00	0.00	-1
221731_x_at	VCAN	versican	0.67	-0.58	0.46	0.57	0	2.83	1.50	0.06	0.09	0	4.47	2.16	0.01	0.01	1
209946_at	VEGFC	vascular endothe	0.98	-0.04	0.95	0.96	0	1.99	0.99	0.07	0.11	0	6.01	2.59	0.00	0.00	1
217949_s_at	VKORC1	vitamin K epoxid	2.13	1.09	0.02	0.04	0	2.68	1.42	0.00	0.00	0	4.14	2.05	0.00	0.00	1
205844_at	VNN1	vanin 1	1.12	0.16	0.82	0.87	0	1.28	0.35	0.62	0.69	0	3.91	1.97	0.01	0.01	1
212267_at	WAPAL	wings apart-like l	0.59	-0.75	0.00	0.00	0	0.36	-1.48	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
205810_s_at	WASL	Wiskott-Aldrich s	2.06	1.04	0.00	0.00	0	2.21	1.14	0.00	0.00	0	3.00	1.59	0.00	0.00	1
218505_at	WDR59	WD repeat domæ	0.78	-0.36	0.21	0.31	0	0.42	-1.24	0.00	0.00	0	0.33	-1.62	0.00	0.00	-1
210861_s_at	WISP3	WNT1 inducible	2.00	1.00	0.11	0.18	0	1.68	0.75	0.22	0.30	0	4.80	2.26	0.00	0.00	1
221783_at	WIZ	widely interspac	2.79	1.48	0.00	0.00	0	2.69	1.43	0.00	0.00	0	3.36	1.75	0.00	0.00	1
213155_at	WSCD1	WSC domain coi	0.39	-1.35	0.00	0.00	0	0.36	-1.47	0.00	0.00	0	0.33	-1.61	0.00	0.00	-1
206698_at	XK	X-linked Kx bloo	0.52	-0.96	0.01	0.03	0	0.40	-1.32	0.00	0.00	0	0.29	-1.78	0.00	0.00	-1
209375_at	XPC	xeroderma pigm	0.68	-0.56	0.17	0.26	0	0.40	-1.34	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
205071_x_at	XRCC4	X-ray repair com	1.75	0.81	0.03	0.07	0	2.79	1.48	0.00	0.00	0	3.59	1.84	0.00	0.00	1
220207_at	YIF1B	Yip1 interacting l	2.03	1.02	0.00	0.00	0	2.27	1.18	0.00	0.00	0	3.17	1.67	0.00	0.00	1
214659_x_at	YLPM1	YLP motif contai	0.55	-0.86	0.05	0.09	0	0.39	-1.34	0.00	0.00	0	0.32	-1.64	0.00	0.00	-1
213077_at	YTHDC2	YTH domain con	0.44	-1.18	0.00	0.00	0	0.37	-1.45	0.00	0.00	0	0.29	-1.80	0.00	0.00	-1
213376_at	ZBTB1	zinc finger and B	0.34	-1.54	0.00	0.00	0	0.37	-1.44	0.00	0.00	0	0.26	-1.93	0.00	0.00	-1
222357_at	ZBTB20	zinc finger and B	0.45	-1.15	0.01	0.02	0	0.36	-1.47	0.00	0.00	0	0.23	-2.14	0.00	0.00	-1
217741_s_at	ZFAND5	zinc finger, AN1-	3.00	1.58	0.00	0.00	0	2.59	1.37	0.00	0.00	0	3.35	1.74	0.00	0.00	1
210281_s_at	ZMYM2	zinc finger, MYM	0.42	-1.26	0.01	0.02	0	0.41	-1.29	0.01	0.01	0	0.29	-1.79	0.00	0.00	-1
210282_at	ZMYM2	zinc finger, MYM	0.51	-0.98	0.06	0.11	0	0.51	-0.97	0.06	0.10	0	0.29	-1.80	0.00	0.00	-1
204234_s_at	ZNF195	zinc finger protei	0.45	-1.14	0.01	0.02	0	0.39	-1.35	0.00	0.00	0	0.26	-1.92	0.00	0.00	-1
213269_at	ZNF248	zinc finger protei	0.46	-1.13	0.00	0.00	0	0.42	-1.25	0.00	0.00	0	0.23	-2.10	0.00	0.00	-1
212366_at	ZNF292	zinc finger protei	0.44	-1.19	0.00	0.00	0	0.34	-1.54	0.00	0.00	0	0.25	-2.02	0.00	0.00	-1
212557_at	ZNF451	zinc finger protei	0.49	-1.04	0.00	0.00	0	0.33	-1.58	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
55872_at	ZNF512B	zinc finger protei	0.54	-0.89	0.01	0.02	0	0.43	-1.21	0.00	0.00	0	0.26	-1.95	0.00	0.00	-1
215019_x_at	ZNF528	zinc finger protei	2.61	1.39	0.00	0.00	0	2.93	1.55	0.00	0.00	0	3.17	1.66	0.00	0.00	1
206648_at	ZNF571	zinc finger protei	0.56	-0.84	0.15	0.23	0	0.50	-1.00	0.09	0.13	0	0.28	-1.85	0.00	0.00	-1
204175_at	ZNF593	zinc finger protei	2.73	1.45	0.00	0.00	0	2.50	1.32	0.00	0.00	0	4.11	2.04	0.00	0.00	1
220760_x_at	ZNF665	zinc finger protei	0.44	-1.18	0.00	0.00	0	0.34	-1.55	0.00	0.00	0	0.31	-1.69	0.00	0.00	-1
219627_at	ZNF767	zinc finger family	0.61	-0.71	0.03	0.05	0	0.35	-1.52	0.00	0.00	0	0.27	-1.87	0.00	0.00	-1
219676_at	ZSCAN16	zinc finger and S	0.70	-0.51	0.28	0.38	0	0.56	-0.85	0.07	0.12	0	0.28	-1.86	0.00	0.00	-1
221059_s_at			2.06	1.04	0.01	0.02	0	2.96	1.57	0.00	0.00	0	7.63	2.93	0.00	0.00	1
204438_at			1.42	0.50	0.29	0.39	0	2.45	1.29	0.01	0.01	0	7.28	2.87	0.00	0.00	1
214290_s_at			2.13	1.09	0.02	0.04	0	2.83	1.50	0.00	0.00	0	4.90	2.29	0.00	0.00	1
205980_s_at			2.22	1.15	0.02	0.04	0	2.06	1.04	0.03	0.06	0	4.03	2.01	0.00	0.00	1
210915_x_at			2.39	1.26	0.02	0.04	0	2.78	1.48	0.01	0.01	0	4.03	2.01	0.00	0.00	1
206302_s_at			1.50	0.59	0.26	0.37	0	2.83	1.50	0.01	0.01	0	3.95	1.98	0.00	0.00	1
200885_at			2.16	1.11	0.01	0.03	0	2.26	1.18	0.01	0.01	0	3.82	1.93	0.00	0.00	1
220445_s_at			1.85	0.89	0.04	0.07	0	2.90	1.54	0.00	0.00	0	3.49	1.80	0.00	0.00	1
218280_x_at			2.13	1.09	0.01	0.01	0	2.43	1.28	0.00	0.00	0	3.46	1.79	0.00	0.00	1
212444_at			1.53	0.61	0.07	0.13	0	1.45	0.54	0.11	0.17	0	3.42	1.78	0.00	0.00	1
208540_x_at			1.87	0.90	0.01	0.02	0	2.63	1.40	0.00	0.00	0	3.37	1.75	0.00	0.00	1
221969_at			2.66	1.41	0.03	0.05	0	2.56	1.35	0.03	0.05	0	3.34	1.74	0.01	0.01	1
205890_s_at			1.23	0.30	0.66	0.75	0	2.35	1.23	0.08	0.12	0	3.25	1.70	0.02	0.03	1
217998_at			2.57	1.36	0.00	0.00	0	2.65	1.41	0.00	0.00	0	3.18	1.67	0.00	0.00	1
216668_at			3.00	1.58	0.00	0.00	0	2.81	1.49	0.00	0.00	0	3.13	1.65	0.00	0.00	1

205272_s_at	2.98	1.57	0.00	0.00	0	2.73	1.45	0.00	0.00	0	3.08	1.62	0.00	0.00	1
213212_x_at	0.53	-0.91	0.02	0.04	0	0.45	-1.14	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
216628_at	0.33	-1.58	0.00	0.00	0	0.34	-1.58	0.00	0.00	0	0.33	-1.59	0.00	0.00	-1
200856_x_at	0.48	-1.07	0.01	0.02	0	0.52	-0.93	0.02	0.04	0	0.32	-1.64	0.00	0.00	-1
213739_at	0.40	-1.31	0.00	0.00	0	0.40	-1.34	0.00	0.00	0	0.32	-1.63	0.00	0.00	-1
222375_at	0.39	-1.36	0.00	0.00	0	0.34	-1.55	0.00	0.00	0	0.32	-1.65	0.00	0.00	-1
206848_at	0.82	-0.29	0.50	0.61	0	0.43	-1.24	0.01	0.01	0	0.32	-1.66	0.00	0.00	-1
214808_at	0.75	-0.42	0.39	0.50	0	0.45	-1.15	0.02	0.04	0	0.31	-1.70	0.00	0.00	-1
217554_at	0.60	-0.74	0.08	0.13	0	0.45	-1.16	0.01	0.01	0	0.31	-1.71	0.00	0.00	-1
219151_s_at	0.60	-0.74	0.07	0.13	0	0.34	-1.57	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
215578_at	0.40	-1.33	0.00	0.00	0	0.36	-1.47	0.00	0.00	0	0.30	-1.72	0.00	0.00	-1
215140_at	0.33	-1.58	0.00	0.00	0	0.37	-1.46	0.00	0.00	0	0.30	-1.73	0.00	0.00	-1
212920_at	0.36	-1.50	0.00	0.00	0	0.36	-1.49	0.00	0.00	0	0.30	-1.74	0.00	0.00	-1
222159_at	0.37	-1.45	0.00	0.00	0	0.48	-1.06	0.00	0.00	0	0.30	-1.75	0.00	0.00	-1
204060_s_at	0.73	-0.46	0.32	0.43	0	0.47	-1.08	0.02	0.04	0	0.30	-1.75	0.00	0.00	-1
213971_s_at	0.45	-1.17	0.00	0.00	0	0.38	-1.40	0.00	0.00	0	0.30	-1.75	0.00	0.00	-1
220175_s_at	0.58	-0.78	0.00	0.00	0	0.38	-1.40	0.00	0.00	0	0.29	-1.77	0.00	0.00	-1
217610_at	0.51	-0.97	0.03	0.06	0	0.35	-1.50	0.00	0.00	0	0.29	-1.77	0.00	0.00	-1
208078_s_at	0.75	-0.42	0.41	0.52	0	0.35	-1.50	0.01	0.01	0	0.29	-1.80	0.00	0.00	-1
217653_x_at	0.64	-0.64	0.07	0.12	0	0.35	-1.53	0.00	0.00	0	0.29	-1.79	0.00	0.00	-1
212182_at	0.38	-1.40	0.00	0.00	0	0.36	-1.47	0.00	0.00	0	0.28	-1.85	0.00	0.00	-1
222372_at	0.36	-1.49	0.02	0.03	0	0.40	-1.34	0.03	0.05	0	0.27	-1.87	0.00	0.00	-1
217586_x_at	0.58	-0.79	0.04	0.07	0	0.34	-1.56	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
220033_at	0.45	-1.15	0.00	0.00	0	0.37	-1.46	0.00	0.00	0	0.27	-1.88	0.00	0.00	-1
214945_at	1.62	0.69	0.34	0.45	0	0.41	-1.30	0.08	0.13	0	0.27	-1.90	0.01	0.02	-1
212842_x_at	0.40	-1.31	0.00	0.00	0	0.41	-1.29	0.00	0.00	0	0.27	-1.90	0.00	0.00	-1
216094_at	0.38	-1.38	0.00	0.00	0	0.40	-1.34	0.00	0.00	0	0.26	-1.95	0.00	0.00	-1
210410_s_at	0.45	-1.16	0.00	0.01	0	0.34	-1.54	0.00	0.00	0	0.25	-2.02	0.00	0.00	-1
215545_at	0.37	-1.44	0.00	0.00	0	0.40	-1.33	0.00	0.00	0	0.24	-2.04	0.00	0.00	-1
217690_at	0.65	-0.62	0.20	0.29	0	0.52	-0.96	0.05	0.08	0	0.22	-2.18	0.00	0.00	-1
215191_at	0.68	-0.55	0.29	0.40	0	0.34	-1.55	0.00	0.01	0	0.16	-2.68	0.00	0.00	-1
215204_at	0.97	-0.04	0.93	0.95	0	0.37	-1.42	0.00	0.00	0	0.12	-3.07	0.00	0.00	-1

Table S2. AK vs. normal epidermis (FCH>3.0 and FDR<0.05)

724 up- and 820 down-regulated probestes

Probe	Symbol	Description	FCH	lgFCH	P	fdr	fdr
219574_at		1-Mar membrane-asso	0.28		-1.85	0.00	0.00
201737_s_at		6-Mar membrane-asso	0.16		-2.63	0.00	0.00
219488_at	A4GALT	alpha 1,4-galact	3.44		1.78	0.00	0.00
201511_at	AAMP	angio-associat	3.42		1.78	0.00	0.00
209460_at	ABAT	4-aminobutyrate	0.16		-2.64	0.00	0.00
209459_s_at	ABAT	4-aminobutyrate	0.08		-3.58	0.00	0.00
220159_at	ABCA11P	ATP-binding cas	0.28		-1.82	0.00	0.00
210082_at	ABCA4	ATP-binding cas	4.01		2.00	0.00	0.00
204719_at	ABCA8	ATP-binding cas	0.29		-1.80	0.00	0.00
203196_at	ABCC4	ATP-binding cas	0.21		-2.24	0.00	0.00
209380_s_at	ABCC5	ATP-binding cas	3.93		1.97	0.00	0.00
209247_s_at	ABCF2	ATP-binding cas	3.16		1.66	0.00	0.00
207593_at	ABCG4	ATP-binding cas	3.02		1.59	0.00	0.00
205566_at	ABHD2	abhydrolase don	3.20		1.68	0.00	0.00
202025_x_at	ACAA1	acetyl-Coenzym	3.12		1.64	0.00	0.00
206069_s_at	ACADL	acyl-Coenzyme ,	0.19		-2.43	0.00	0.00
206068_s_at	ACADL	acyl-Coenzyme ,	0.06		-4.12	0.00	0.00
212477_at	ACAP2	ArfGAP with coil	3.28		1.71	0.00	0.00
210337_s_at	ACLY	ATP citrate lyase	4.33		2.11	0.00	0.00
200793_s_at	ACO2	aconitase 2, mitc	3.71		1.89	0.00	0.00
214763_at	ACOT11	acyl-CoA thioest	4.20		2.07	0.00	0.00
204393_s_at	ACPP	acid phosphatas	3.78		1.92	0.01	0.01
201661_s_at	ACSL3	acyl-CoA synthe	0.31		-1.71	0.00	0.00
202422_s_at	ACSL4	acyl-CoA synthe	0.18		-2.45	0.00	0.00
208636_at	ACTN1	actinin, alpha 1	3.37		1.75	0.00	0.00
200729_s_at	ACTR2	ARP2 actin-relat	0.30		-1.73	0.00	0.01
205209_at	ACVR1B	activin A recepto	0.26		-1.96	0.00	0.00
208268_at	ADAM28	ADAM metallope	0.29		-1.81	0.00	0.00
220208_at	ADAMTS13	ADAM metallope	4.42		2.14	0.00	0.00
204497_at	ADCY9	adenylate cyclas	4.09		2.03	0.00	0.00
204498_s_at	ADCY9	adenylate cyclas	3.69		1.88	0.00	0.00
209614_at	ADH1B	alcohol dehydroq	0.32		-1.66	0.00	0.00
204120_s_at	ADK	adenosine kinas	0.27		-1.90	0.00	0.00
220538_at	ADM2	adrenomedullin ;	4.53		2.18	0.00	0.00
38447_at	ADRBK1	adrenergic, beta	11.08		3.47	0.00	0.00
201402_at	ADRBK1	adrenergic, beta	8.19		3.03	0.00	0.00
219361_s_at	AEN	apoptosis enhan	3.06		1.62	0.00	0.00
208042_at	AGGF1	angiogenic facto	0.21		-2.27	0.00	0.00
200903_s_at	AHCY	adenosylhomoc	3.47		1.80	0.00	0.00
203156_at	AKAP11	A kinase (PRKA)	0.32		-1.65	0.00	0.00
222024_s_at	AKAP13	A kinase (PRKA)	0.29		-1.80	0.00	0.00

205771_s_at	AKAP7	A kinase (PRKA	0.15	-2.77	0.00	0.00
215741_x_at	AKAP8L	A kinase (PRKA	4.25	2.09	0.00	0.00
215483_at	AKAP9	A kinase (PRKA	0.13	-2.91	0.00	0.00
206561_s_at	AKR1B10	aldo-keto reduct	21.41	4.42	0.00	0.00
201951_at	ALCAM	activated leukoc	0.13	-2.93	0.00	0.00
204942_s_at	ALDH3B2	aldehyde dehydr	4.06	2.02	0.00	0.01
211552_s_at	ALDH4A1	aldehyde dehydr	5.76	2.53	0.00	0.00
216600_x_at	ALDOB	aldolase B, fruct	3.56	1.83	0.00	0.00
206714_at	ALOX15B	arachidonate 15-	3.25	1.70	0.01	0.01
202204_s_at	AMFR	autocrine motility	4.05	2.02	0.00	0.00
202203_s_at	AMFR	autocrine motility	0.24	-2.06	0.00	0.00
203002_at	AMOTL2	angiotenin like 2	0.31	-1.69	0.00	0.00
207845_s_at	ANAPC10	anaphase promc	0.31	-1.69	0.00	0.00
221009_s_at	ANGPTL4	angiopoietin-like	5.43	2.44	0.00	0.00
215314_at	ANK3	ankyrin 3, node c	0.32	-1.63	0.00	0.00
218769_s_at	ANKRA2	ankyrin repeat, fi	0.30	-1.74	0.00	0.00
214723_x_at	ANKRD36	ankyrin repeat di	0.10	-3.33	0.00	0.00
212731_at	ANKRD46	ankyrin repeat di	0.32	-1.64	0.00	0.00
218261_at	AP1M2	adaptor-related t	3.12	1.64	0.00	0.00
204859_s_at	APAF1	apoptotic peptid	0.23	-2.15	0.00	0.00
209870_s_at	APBA2	amyloid beta (A4	5.53	2.47	0.00	0.00
210873_x_at	APOBEC3A	apolipoprotein B	7.61	2.93	0.00	0.00
215579_at	APOBEC3G	apolipoprotein B	3.81	1.93	0.00	0.00
204416_x_at	APOC1	apolipoprotein C	3.17	1.66	0.00	0.00
213289_at	APOOL	apolipoprotein O	0.33	-1.60	0.00	0.00
218218_at	APPL2	adaptor protein,	0.27	-1.91	0.00	0.00
210090_at	ARC	activity-regulatec	3.17	1.66	0.00	0.00
205239_at	AREG	amphiregulin	10.27	3.36	0.00	0.00
202955_s_at	ARFGEF1	ADP-ribosylation	3.73	1.90	0.00	0.00
218098_at	ARFGEF2	ADP-ribosylation	0.31	-1.67	0.00	0.00
201333_s_at	ARHGEF12	Rho guanine nuc	3.65	1.87	0.00	0.00
201228_s_at	ARIH2	ariadne homolog	3.01	1.59	0.00	0.00
201229_s_at	ARIH2	ariadne homolog	0.27	-1.90	0.00	0.00
218185_s_at	ARMC1	armadillo repeat	0.28	-1.84	0.00	0.00
219094_at	ARMC8	armadillo repeat	0.30	-1.72	0.00	0.00
218694_at	ARMCX1	armadillo repeat	0.13	-3.00	0.00	0.00
217858_s_at	ARMCX3	armadillo repeat	0.31	-1.68	0.00	0.00
210971_s_at	ARNTL	aryl hydrocarbon	0.22	-2.19	0.00	0.00
201954_at	ARPC1B	actin related proi	3.23	1.69	0.00	0.00
214490_at	ARSF	arylsulfatase F	4.06	2.02	0.00	0.00
205784_x_at	ARVCF	armadillo repeat	3.29	1.72	0.00	0.00
203427_at	ASF1A	ASF1 anti-silenc	0.23	-2.15	0.00	0.00
218115_at	ASF1B	ASF1 anti-silenc	3.97	1.99	0.00	0.00
209517_s_at	ASH2L	ash2 (absent, sn	3.18	1.67	0.00	0.00
209135_at	ASPH	aspartate beta-h	0.28	-1.85	0.00	0.00
219068_x_at	ATAD3A	ATPase family, /	4.15	2.05	0.00	0.00
222103_at	ATF1	activating transc	0.30	-1.76	0.00	0.00
203168_at	ATF6B	activating transc	3.17	1.67	0.00	0.00

216197_at	ATF7IP	activating transc	0.21	-2.28	0.00	0.00
202492_at	ATG9A	ATG9 autophagy	3.12	1.64	0.00	0.00
40489_at	ATN1	atrophin 1	5.70	2.51	0.00	0.00
203454_s_at	ATOX1	ATX1 antioxidant	3.47	1.80	0.00	0.00
214070_s_at	ATP10B	ATPase, class V	4.99	2.32	0.00	0.00
213582_at	ATP11A	ATPase, class V	0.21	-2.26	0.00	0.00
207367_at	ATP12A	ATPase, H+/K+ a	8.76	3.13	0.00	0.00
212297_at	ATP13A3	ATPase type 13,	0.30	-1.75	0.00	0.00
215716_s_at	ATP2B1	ATPase, Ca++ tr	0.26	-1.92	0.00	0.00
212930_at	ATP2B1	ATPase, Ca++ tr	0.12	-3.12	0.00	0.00
205198_s_at	ATP7A	ATPase, Cu++ tr	0.32	-1.66	0.00	0.00
213106_at	ATP8A1	ATPase, aminop	0.24	-2.07	0.00	0.00
214010_s_at	ATP9B	ATPase, class II	3.10	1.63	0.00	0.00
204516_at	ATXN7	ataxin 7	0.32	-1.64	0.00	0.00
205539_at	AVIL	advillin	0.31	-1.68	0.00	0.00
218631_at	AVPI1	arginine vasopre	3.30	1.72	0.00	0.00
208260_at	AVPR1B	arginine vasopre	8.25	3.05	0.00	0.00
202984_s_at	BAG5	BCL2-associated	0.21	-2.23	0.00	0.00
210419_at	BARX2	BARX homeobox	3.03	1.60	0.00	0.00
208132_x_at	BAT2	HLA-B associate	3.24	1.69	0.00	0.00
201355_s_at	BAZ2A	bromodomain ac	3.00	1.59	0.00	0.00
219487_at	BBS10	Bardet-Biedl syn	0.30	-1.76	0.00	0.00
37547_at	BBS9	Bardet-Biedl syn	0.33	-1.59	0.00	0.01
91920_at	BCAN	brevican	6.85	2.78	0.00	0.00
205084_at	BCAP29	B-cell receptor-a	0.32	-1.66	0.00	0.00
204032_at	BCAR3	breast cancer an	0.11	-3.17	0.00	0.00
215990_s_at	BCL6	B-cell CLL/lymph	0.17	-2.54	0.00	0.00
219072_at	BCL7C	B-cell CLL/lymph	3.67	1.88	0.00	0.00
204129_at	BCL9	B-cell CLL/lymph	3.61	1.85	0.00	0.00
219433_at	BCOR	BCL6 co-repress	0.30	-1.73	0.00	0.00
211725_s_at	BID	BH3 interacting c	3.29	1.72	0.00	0.00
214439_x_at	BIN1	bridging integrat	4.33	2.12	0.00	0.00
202931_x_at	BIN1	bridging integrat	3.72	1.89	0.00	0.00
219191_s_at	BIN2	bridging integrat	4.72	2.24	0.00	0.00
210538_s_at	BIRC3	baculoviral IAP r	0.33	-1.59	0.00	0.00
206725_x_at	BMP1	bone morphogen	3.29	1.72	0.00	0.00
205289_at	BMP2	bone morphogen	0.15	-2.79	0.00	0.00
37170_at	BMP2K	BMP2 inducible	0.33	-1.62	0.00	0.00
214716_at	BMP2K	BMP2 inducible	0.30	-1.74	0.00	0.00
220203_at	BMP8A	bone morphogen	8.29	3.05	0.00	0.00
206044_s_at	BRAF	v-raf murine sarc	4.34	2.12	0.00	0.00
214820_at	BRWD1	bromodomain ar	0.26	-1.93	0.00	0.00
207326_at	BTC	betacellulin	0.08	-3.58	0.00	0.00
204901_at	BTRC	beta-transducin	4.20	2.07	0.00	0.00
218299_at	C11orf24	chromosome 11	5.23	2.39	0.00	0.00
204218_at	C11orf51	chromosome 11	3.16	1.66	0.00	0.00
221208_s_at	C11orf61	chromosome 11	0.32	-1.66	0.00	0.00
220141_at	C11orf63	chromosome 11	0.14	-2.88	0.00	0.00

64432_at	C12orf47	chromosome 12	0.13	-2.90	0.00	0.00
221777_at	C12orf52	chromosome 12	3.07	1.62	0.00	0.00
218420_s_at	C13orf23	chromosome 13	3.25	1.70	0.00	0.00
219166_at	C14orf104	chromosome 14	0.24	-2.04	0.00	0.00
206500_s_at	C14orf106	chromosome 14	0.26	-1.96	0.00	0.00
208109_s_at	C15orf5	chromosome 15	0.27	-1.89	0.00	0.00
219556_at	C16orf59	chromosome 16	4.33	2.12	0.00	0.00
203830_at	C17orf75	chromosome 17	0.21	-2.29	0.00	0.00
217539_at	C18orf25	chromosome 18	0.30	-1.74	0.00	0.00
212925_at	C19orf21	chromosome 19	6.91	2.79	0.00	0.00
55705_at	C19orf22	chromosome 19	3.97	1.99	0.00	0.00
220178_at	C19orf28	chromosome 19	3.03	1.60	0.00	0.00
206901_at	C19orf57	chromosome 19	5.86	2.55	0.00	0.00
219856_at	C1orf116	chromosome 1 c	3.31	1.73	0.00	0.00
212003_at	C1orf144	chromosome 1 c	3.10	1.63	0.00	0.00
213528_at	C1orf156	chromosome 1 c	0.23	-2.11	0.00	0.00
220992_s_at	C1orf25	chromosome 1 c	0.33	-1.62	0.00	0.00
218983_at	C1RL	complement con	0.19	-2.41	0.00	0.00
221211_s_at	C21orf7	chromosome 21	0.28	-1.81	0.00	0.00
220681_at	C22orf26	chromosome 22	3.85	1.95	0.00	0.00
219617_at	C2orf34	chromosome 2 c	0.26	-1.93	0.00	0.00
220943_s_at	C2orf56	chromosome 2 c	0.28	-1.82	0.00	0.00
215046_at	C2orf67	chromosome 2 c	0.20	-2.34	0.00	0.00
65472_at	C2orf68	chromosome 2 c	0.29	-1.80	0.00	0.00
218179_s_at	C4orf41	chromosome 4 c	0.33	-1.61	0.00	0.00
218513_at	C4orf43	chromosome 4 c	0.16	-2.68	0.00	0.00
205500_at	C5	complement con	0.20	-2.36	0.00	0.00
48030_i_at	C5orf4	chromosome 5 c	10.72	3.42	0.00	0.00
218674_at	C5orf44	chromosome 5 c	0.21	-2.22	0.00	0.00
204238_s_at	C6orf108	chromosome 6 c	3.03	1.60	0.00	0.00
221100_at	C6orf15	chromosome 6 c	3.81	1.93	0.00	0.00
218195_at	C6orf211	chromosome 6 c	0.14	-2.80	0.00	0.00
220755_s_at	C6orf48	chromosome 6 c	3.28	1.71	0.00	0.00
206497_at	C7orf44	chromosome 7 c	0.29	-1.81	0.00	0.00
210109_at	C7orf54	chromosome 7 c	0.33	-1.60	0.00	0.00
221596_s_at	C7orf64	chromosome 7 c	0.21	-2.24	0.00	0.00
221629_x_at	C8orf30A	chromosome 8 c	4.03	2.01	0.00	0.00
218500_at	C8orf55	chromosome 8 c	3.47	1.80	0.00	0.00
210735_s_at	CA12	carbonic anhydr	4.80	2.26	0.00	0.00
204865_at	CA3	carbonic anhydr	0.25	-2.01	0.00	0.00
207504_at	CA7	carbonic anhydr	3.49	1.80	0.00	0.00
211592_s_at	CACNA1C	calcium channel	0.25	-1.98	0.00	0.00
211802_x_at	CACNA1G	calcium channel	3.64	1.87	0.00	0.00
207693_at	CACNB4	calcium channel	3.37	1.75	0.00	0.00
62987_r_at	CACNG4	calcium channel	23.72	4.57	0.00	0.00
200757_s_at	CALU	calumenin	3.51	1.81	0.00	0.00
34846_at	CAMK2B	calcium/calmodu	4.18	2.06	0.00	0.00
220162_s_at	CARD9	caspase recruitr	3.12	1.64	0.00	0.00

61297_at	CASKIN2	CASK interacti	0.26	-1.94	0.00	0.00
222201_s_at	CASP8AP2	caspase 8 assoc	0.22	-2.16	0.00	0.00
215573_at	CAT	catalase	0.32	-1.64	0.00	0.00
208204_s_at	CAV3	caveolin 3	3.30	1.72	0.00	0.00
206788_s_at	CBFB	core-binding fact	3.13	1.64	0.00	0.00
213626_at	CBR4	carbonyl reducta	0.16	-2.68	0.00	0.00
219611_s_at	CCDC21	coiled-coil doma	3.58	1.84	0.00	0.00
219644_at	CCDC41	coiled-coil doma	0.20	-2.32	0.00	0.00
219387_at	CCDC88A	coiled-coil doma	0.32	-1.63	0.00	0.01
218545_at	CCDC91	coiled-coil doma	0.29	-1.81	0.00	0.00
209689_at	CCDC93	coiled-coil doma	0.31	-1.69	0.00	0.00
207861_at	CCL22	chemokine (C-C	4.07	2.02	0.00	0.00
207955_at	CCL27	chemokine (C-C	0.22	-2.20	0.00	0.00
204645_at	CCNT2	cyclin T2	0.33	-1.62	0.00	0.00
222156_x_at	CCPG1	cell cycle progre	0.27	-1.91	0.00	0.00
221156_x_at	CCPG1	cell cycle progre	0.21	-2.27	0.00	0.00
206983_at	CCR6	chemokine (C-C	0.32	-1.63	0.00	0.00
208653_s_at	CD164	CD164 molecule	5.51	2.46	0.00	0.00
209772_s_at	CD24	CD24 molecule	4.43	2.15	0.00	0.00
206150_at	CD27	CD27 molecule	0.28	-1.82	0.00	0.00
203799_at	CD302	CD302 molecule	0.31	-1.69	0.00	0.00
206488_s_at	CD36	CD36 molecule (	9.27	3.21	0.00	0.00
209555_s_at	CD36	CD36 molecule (	9.07	3.18	0.00	0.00
35150_at	CD40	CD40 molecule,	8.11	3.02	0.00	0.00
222292_at	CD40	CD40 molecule,	0.22	-2.19	0.00	0.00
222061_at	CD58	CD58 molecule	0.20	-2.31	0.00	0.00
204440_at	CD83	CD83 molecule	3.05	1.61	0.01	0.01
205288_at	CDC14A	CDC14 cell divis	0.23	-2.14	0.00	0.00
210742_at	CDC14A	CDC14 cell divis	0.16	-2.62	0.00	0.00
211347_at	CDC14B	CDC14 cell divis	0.28	-1.82	0.00	0.00
201853_s_at	CDC25B	cell division cycl	5.19	2.37	0.00	0.00
217881_s_at	CDC27	cell division cycl	0.33	-1.60	0.00	0.00
203377_s_at	CDC40	cell division cycl	0.32	-1.66	0.00	0.00
209057_x_at	CDC5L	CDC5 cell divisic	4.37	2.13	0.00	0.00
203256_at	CDH3	cadherin 3, type	6.55	2.71	0.00	0.00
204247_s_at	CDK5	cyclin-dependen	3.71	1.89	0.00	0.00
202284_s_at	CDKN1A	cyclin-dependen	3.22	1.69	0.00	0.00
207039_at	CDKN2A	cyclin-dependen	3.37	1.75	0.00	0.00
218929_at	CDKN2AIP	CDKN2A interac	0.24	-2.09	0.00	0.00
213230_at	CDR2L	cerebellar degen	4.83	2.27	0.00	0.00
206430_at	CDX1	caudal type hom	4.46	2.16	0.00	0.00
219591_at	CEND1	cell cycle exit an	4.06	2.02	0.00	0.00
204739_at	CENPC1	centromere prot	0.24	-2.08	0.00	0.00
214804_at	CENPI	centromere prot	0.29	-1.79	0.00	0.00
218741_at	CENPM	centromere prot	3.23	1.69	0.00	0.00
219294_at	CENPQ	centromere prot	0.18	-2.48	0.00	0.00
218148_at	CENPT	centromere prot	4.19	2.07	0.00	0.00
206003_at	CEP135	centrosomal proi	0.28	-1.86	0.00	0.00

215170_s_at	CEP152	centrosomal prol	0.25	-2.00	0.00	0.00
221683_s_at	CEP290	centrosomal prol	0.11	-3.14	0.00	0.00
222151_s_at	CEP63	centrosomal prol	0.13	-2.95	0.00	0.00
220335_x_at	CES3	carboxylesterase	11.32	3.50	0.00	0.00
206380_s_at	CFP	complement fact	0.21	-2.24	0.00	0.00
215318_at	CG012	hypothetical gen	0.31	-1.71	0.00	0.00
206932_at	CH25H	cholesterol 25-hy	4.73	2.24	0.00	0.00
201182_s_at	CHD4	chromodomain h	0.30	-1.73	0.00	0.00
220586_at	CHD9	chromodomain h	0.33	-1.61	0.00	0.00
210416_s_at	CHEK2	CHK2 checkpoin	3.83	1.94	0.00	0.00
213060_s_at	CHI3L2	chitinase 3-like 2	6.11	2.61	0.00	0.00
218178_s_at	CHMP1B	chromatin modifi	5.92	2.57	0.00	0.00
211248_s_at	CHRD	chordin	0.16	-2.63	0.00	0.00
210221_at	CHRNA3	cholinergic recep	5.14	2.36	0.00	0.00
209834_at	CHST3	carbohydrate (cf	5.45	2.45	0.00	0.00
205007_s_at	CIB2	calcium and inte	3.87	1.95	0.00	0.00
205101_at	CIITA	class II, major hi	0.31	-1.69	0.00	0.00
209571_at	CIR1	corepressor inter	0.21	-2.26	0.00	0.00
221223_x_at	CISH	cytokine inducibl	3.11	1.64	0.00	0.00
204170_s_at	CKS2	CDC28 protein k	3.03	1.60	0.01	0.03
212308_at	CLASP2	cytoplasmic linke	0.26	-1.93	0.00	0.00
206164_at	CLCA2	chloride channel	3.58	1.84	0.00	0.00
220026_at	CLCA4	chloride channel	0.24	-2.08	0.00	0.00
207855_s_at	CLCC1	chloride channel	0.30	-1.72	0.00	0.00
214769_at	CLCN4	chloride channel	0.32	-1.65	0.00	0.00
204482_at	CLDN5	claudin 5	0.23	-2.15	0.00	0.00
214598_at	CLDN8	claudin 8	0.06	-4.13	0.00	0.00
210716_s_at	CLIP1	CAP-GLY domai	0.31	-1.70	0.00	0.00
201640_x_at	CLPTM1	cleft lip and pala	4.46	2.16	0.00	0.00
222043_at	CLU	clusterin	0.10	-3.31	0.00	0.00
204577_s_at	CLUAP1	clusterin associa	0.33	-1.60	0.00	0.00
210571_s_at	CMAH	cytidine monoph	0.31	-1.71	0.00	0.00
205518_s_at	CMAH	cytidine monoph	0.04	-4.51	0.00	0.00
218111_s_at	CMAS	cytidine monoph	0.23	-2.14	0.00	0.00
206417_at	CNGA1	cyclic nucleotide	0.23	-2.14	0.00	0.00
209874_x_at	CNNM2	cyclin M2	4.76	2.25	0.00	0.00
210867_at	CNOT4	CCR4-NOT tran:	0.20	-2.29	0.00	0.00
202163_s_at	CNOT8	CCR4-NOT tran:	0.32	-1.67	0.00	0.00
220323_at	CNTD2	cyclin N-terminal	4.34	2.12	0.00	0.00
206970_at	CNTN2	contactin 2 (axor	3.19	1.68	0.00	0.00
205229_s_at	COCH	coagulation fact	0.18	-2.45	0.00	0.00
211809_x_at	COL13A1	collagen, type XI	0.25	-2.00	0.00	0.00
208096_s_at	COL21A1	collagen, type XI	0.23	-2.10	0.00	0.00
222073_at	COL4A3	collagen, type IV	0.30	-1.74	0.00	0.00
221729_at	COL5A2	collagen, type V,	0.27	-1.88	0.01	0.01
221730_at	COL5A2	collagen, type V,	0.24	-2.04	0.00	0.00
52255_s_at	COL5A3	collagen, type V,	0.30	-1.75	0.00	0.00
213290_at	COL6A2	collagen, type VI	0.25	-2.01	0.00	0.00

221019_s_at	COLEC12	collectin sub-farr	0.33	-1.61	0.00	0.00
206441_s_at	COMMD4	COMM domain c	3.15	1.66	0.00	0.00
216204_at	COMT	catechol-O-meth	3.38	1.76	0.00	0.00
217749_at	COPG	coatomer proteir	0.33	-1.61	0.00	0.00
219561_at	COPZ2	coatomer proteir	3.03	1.60	0.00	0.00
203858_s_at	COX10	COX10 homolog	3.10	1.63	0.00	0.00
211727_s_at	COX11	COX11 homolog	0.27	-1.88	0.00	0.00
221550_at	COX15	COX15 homolog	0.17	-2.54	0.00	0.00
217249_x_at	COX7A2	cytochrome c ox	3.47	1.79	0.00	0.00
202118_s_at	CPNE3	copine III	0.33	-1.61	0.00	0.00
202575_at	CRABP2	cellular retinoic ε	3.02	1.60	0.01	0.02
209833_at	CRADD	CASP2 and RIPI	3.52	1.81	0.00	0.00
214508_x_at	CREM	cAMP responsiv	3.04	1.60	0.00	0.00
202551_s_at	CRIM1	cysteine rich trar	0.24	-2.04	0.00	0.00
205081_at	CRIP1	cysteine-rich pro	0.10	-3.26	0.00	0.00
207802_at	CRISP3	cysteine-rich sec	3.04	1.60	0.01	0.02
209674_at	CRY1	cryptochrome 1 i	0.18	-2.44	0.00	0.00
206778_at	CRYBB2	crystallin, beta B	3.12	1.64	0.00	0.00
215930_s_at	CTAGE5	CTAGE family, n	0.23	-2.11	0.00	0.00
201533_at	CTNNB1	catenin (cadheri	0.27	-1.91	0.00	0.00
200839_s_at	CTSB	cathepsin B	3.09	1.63	0.00	0.00
202901_x_at	CTSS	cathepsin S	0.19	-2.39	0.00	0.00
212562_s_at	CTSZ	cathepsin Z	3.54	1.83	0.00	0.00
202158_s_at	CUGBP2	CUG triplet repe	0.31	-1.67	0.00	0.00
203078_at	CUL2	cullin 2	0.24	-2.08	0.00	0.00
210257_x_at	CUL4B	cullin 4B	0.30	-1.73	0.00	0.00
215997_s_at	CUL4B	cullin 4B	0.20	-2.30	0.00	0.00
203533_s_at	CUL5	cullin 5	0.23	-2.10	0.00	0.00
218787_x_at	CWF19L1	CWF19-like 1, α	3.66	1.87	0.00	0.00
823_at	CX3CL1	chemokine (C-X:	4.69	2.23	0.00	0.00
205898_at	CX3CR1	chemokine (C-X:	0.33	-1.61	0.01	0.02
217200_x_at	CYB561	cytochrome b-56	3.09	1.63	0.00	0.00
202435_s_at	CYP1B1	cytochrome P45	0.31	-1.71	0.01	0.01
219825_at	CYP26B1	cytochrome P45	0.18	-2.51	0.00	0.00
208327_at	CYP2A13	cytochrome P45	3.38	1.76	0.00	0.00
220432_s_at	CYP39A1	cytochrome P45	0.21	-2.23	0.00	0.00
210096_at	CYP4B1	cytochrome P45	0.29	-1.80	0.01	0.02
210452_x_at	CYP4F2	cytochrome P45	6.39	2.68	0.00	0.00
209606_at	CYTIP	cytohesin 1 inter	0.30	-1.76	0.00	0.00
216060_s_at	DAAM1	dishevelled asso	0.31	-1.67	0.00	0.00
201624_at	DARS	aspartyl-tRNA sy	0.31	-1.71	0.00	0.00
202806_at	DBN1	drebrin 1	4.86	2.28	0.00	0.00
209804_at	DCLRE1A	DNA cross-link r	3.06	1.62	0.00	0.00
209231_s_at	DCTN5	dynactin 5 (p25)	3.20	1.68	0.00	0.00
204909_at	DDX6	DEAD (Asp-Glu-	0.24	-2.04	0.00	0.00
207356_at	DEFB4	defensin, beta 4	12.65	3.66	0.00	0.00
219763_at	DENND1A	DENN/MADD dc	3.12	1.64	0.00	0.00
214787_at	DENND4A	DENN/MADD dc	0.29	-1.77	0.00	0.00

221887_s_at	DFNB31	deafness, autos	3.24	1.69	0.00	0.00
217285_at	DGCR14	DiGeorge syndr	3.51	1.81	0.00	0.00
201791_s_at	DHCR7	7-dehydrocholes	4.64	2.22	0.00	0.00
201790_s_at	DHCR7	7-dehydrocholes	3.71	1.89	0.00	0.00
214017_s_at	DHX34	DEAH (Asp-Glu-	3.15	1.65	0.00	0.00
212107_s_at	DHX9	DEAH (Asp-Glu-	0.25	-1.99	0.00	0.00
220572_at	DKFZp547G183	hypothetical LOC	0.29	-1.80	0.00	0.00
202571_s_at	DLGAP4	discs, large (Dro	4.05	2.02	0.00	0.00
220262_s_at	DLK2	delta-like 2 hom	3.05	1.61	0.00	0.00
203881_s_at	DMD	dystrophin	0.29	-1.81	0.00	0.00
203791_at	DMXL1	Dmx-like 1	0.33	-1.61	0.00	0.00
214229_at	DNAH17	dynein, axonem	3.39	1.76	0.00	0.00
215266_at	DNAH3	dynein, axonem	3.37	1.75	0.00	0.00
220395_at	DNAJA4	DnaJ (Hsp40) hc	3.48	1.80	0.00	0.00
202843_at	DNAJB9	DnaJ (Hsp40) hc	0.30	-1.75	0.00	0.00
221781_s_at	DNAJC10	DnaJ (Hsp40) hc	0.27	-1.89	0.00	0.00
221782_at	DNAJC10	DnaJ (Hsp40) hc	0.24	-2.05	0.00	0.00
212911_at	DNAJC16	DnaJ (Hsp40) hc	0.24	-2.05	0.00	0.00
207192_at	DNASE1L2	deoxyribonuclea	3.15	1.66	0.00	0.00
202253_s_at	DNM2	dynamain 2	4.95	2.31	0.00	0.00
205003_at	DOCK4	dedicator of cyto	0.23	-2.15	0.00	0.00
40612_at	DOPEY1	dopey family me	0.28	-1.83	0.00	0.00
213267_at	DOPEY1	dopey family me	0.15	-2.77	0.00	0.00
222360_at	DPH5	DPH5 homolog (	0.26	-1.94	0.00	0.00
201431_s_at	DPYSL3	dihydropyrimidin	0.23	-2.11	0.00	0.00
214301_s_at	DPYSL4	dihydropyrimidin	3.13	1.65	0.00	0.00
207648_at	DRP2	dystrophin relate	4.23	2.08	0.00	0.00
204751_x_at	DSC2	desmocollin 2	6.01	2.59	0.00	0.00
216646_at	DSCC1	defective in siste	3.04	1.60	0.00	0.00
205595_at	DSG3	desmoglein 3 (pr	7.64	2.93	0.00	0.00
221681_s_at	DSPP	dentin sialophos	0.24	-2.05	0.00	0.00
214253_s_at	DTNB	dystrobrevin, bel	5.39	2.43	0.00	0.00
205762_s_at	DUS4L	dihydrouridine s	0.30	-1.73	0.00	0.00
204794_at	DUSP2	dual specificity p	4.45	2.15	0.00	0.00
209457_at	DUSP5	dual specificity p	3.28	1.72	0.00	0.00
220774_at	DYM	dymeclin	0.22	-2.22	0.00	0.00
203763_at	DYNC2L11	dynein, cytoplas	0.31	-1.69	0.00	0.00
203762_s_at	DYNC2L11	dynein, cytoplas	0.29	-1.81	0.00	0.00
202971_s_at	DYRK2	dual-specificity t	0.16	-2.66	0.00	0.00
2028_s_at	E2F1	E2F transcription	3.08	1.62	0.00	0.00
38707_r_at	E2F4	E2F transcription	15.49	3.95	0.00	0.00
213789_at	EBP	emopamil bindin	3.14	1.65	0.00	0.00
206101_at	ECM2	extracellular mat	0.17	-2.55	0.00	0.00
211129_x_at	EDA	ectodysplasin A	0.31	-1.67	0.00	0.00
206758_at	EDN2	endothelin 2	3.58	1.84	0.00	0.00
204840_s_at	EEA1	early endosome	0.17	-2.59	0.00	0.00
201843_s_at	EFEMP1	EGF-containing	0.26	-1.92	0.00	0.01
205031_at	EFNB3	ephrin-B3	3.26	1.71	0.00	0.00

206254_at	EGF	epidermal growtl	0.24	-2.06	0.00	0.00
201693_s_at	EGR1	early growth resj	3.46	1.79	0.00	0.00
218935_at	EHD3	EH-domain conti	3.76	1.91	0.00	0.00
205222_at	EHHADH	enoyl-Coenzyme	0.27	-1.91	0.00	0.00
211698_at	EID1	EP300 interactin	0.21	-2.23	0.00	0.00
205321_at	EIF2S3	eukaryotic transl	0.27	-1.90	0.00	0.00
210361_s_at	ELF2	E74-like factor 2	0.25	-2.03	0.00	0.00
210827_s_at	ELF3	E74-like factor 3	5.28	2.40	0.00	0.00
203490_at	ELF4	E74-like factor 4	3.68	1.88	0.00	0.00
220625_s_at	ELF5	E74-like factor 5	3.11	1.64	0.01	0.01
204095_s_at	ELL	elongation factor	4.02	2.01	0.00	0.00
214446_at	ELL2	elongation factor	3.13	1.65	0.00	0.00
204797_s_at	EML1	echinoderm micr	0.21	-2.24	0.00	0.00
204796_at	EML1	echinoderm micr	0.16	-2.65	0.00	0.00
204397_at	EML2	echinoderm micr	3.96	1.98	0.00	0.00
221950_at	EMX2	empty spiracles l	0.18	-2.45	0.00	0.00
220559_at	EN1	engrailed homec	0.18	-2.48	0.00	0.00
201719_s_at	EPB41L2	erythrocyte memr	0.27	-1.92	0.00	0.00
212681_at	EPB41L3	erythrocyte memr	0.24	-2.06	0.00	0.00
201839_s_at	EPCAM	epithelial cell adl	0.18	-2.50	0.00	0.00
203499_at	EPHA2	EPH receptor A2	4.06	2.02	0.00	0.00
209589_s_at	EPHB2	EPH receptor B2	4.87	2.28	0.00	0.00
209588_at	EPHB2	EPH receptor B2	4.84	2.28	0.00	0.00
396_f_at	EPOR	erythropoietin re	6.43	2.69	0.00	0.00
215054_at	EPOR	erythropoietin re	0.31	-1.70	0.00	0.00
221056_x_at	EPS15L1	epidermal growtl	3.13	1.65	0.00	0.00
202609_at	EPS8	epidermal growtl	0.31	-1.69	0.00	0.00
218778_x_at	EPS8L1	EPS8-like 1	3.35	1.75	0.00	0.00
214012_at	ERAP1	endoplasmic reti	0.09	-3.43	0.00	0.00
215095_at	ESD	esterase D/formy	0.26	-1.92	0.00	0.00
211627_x_at	ESR1	estrogen receptc	0.23	-2.10	0.00	0.00
1487_at	ESRRA	estrogen-related	3.04	1.61	0.00	0.00
204034_at	ETHE1	ethylmalonic enc	5.08	2.35	0.00	0.00
210887_s_at	EVC	Ellis van Creveld	4.41	2.14	0.00	0.00
210012_s_at	EWSR1	Ewing sarcoma l	0.22	-2.17	0.00	0.00
91684_g_at	EXOSC4	exosome compo	3.68	1.88	0.00	0.00
213929_at	EXPH5	exophilin 5	0.23	-2.11	0.00	0.00
214985_at	EXT1	exostoses (multi	0.22	-2.20	0.00	0.00
209692_at	EYA2	eyes absent hon	3.63	1.86	0.00	0.00
211310_at	EZH1	enhancer of zesi	0.26	-1.95	0.00	0.00
203989_x_at	F2R	coagulation factc	0.23	-2.11	0.00	0.00
204363_at	F3	coagulation factc	0.33	-1.61	0.00	0.00
205756_s_at	F8	coagulation factc	3.30	1.72	0.00	0.00
210445_at	FABP6	fatty acid binding	3.20	1.68	0.00	0.00
205029_s_at	FABP7	fatty acid binding	0.13	-2.96	0.00	0.00
205030_at	FABP7	fatty acid binding	0.10	-3.31	0.00	0.00
202218_s_at	FADS2	fatty acid desatu	3.56	1.83	0.00	0.00
221602_s_at	FAIM3	Fas apoptotic inf	3.81	1.93	0.00	0.00

212981_s_at	FAM115A	family with sequ	0.30	-1.75	0.00	0.00
52975_at	FAM125B	family with sequ	3.41	1.77	0.00	0.00
218532_s_at	FAM134B	family with sequ	0.25	-1.98	0.00	0.00
219203_at	FAM158A	family with sequ	3.07	1.62	0.00	0.00
218337_at	FAM160B2	family with sequ	4.56	2.19	0.00	0.00
212936_at	FAM172A	family with sequ	0.21	-2.22	0.00	0.00
51158_at	FAM174B	family with sequ	0.18	-2.48	0.00	0.00
220150_s_at	FAM184A	family with sequ	0.29	-1.80	0.00	0.00
213900_at	FAM189A2	family with sequ	0.19	-2.40	0.00	0.00
202915_s_at	FAM20B	family with sequ	0.28	-1.83	0.00	0.00
201889_at	FAM3C	family with sequ	0.27	-1.87	0.00	0.00
216682_s_at	FAM48A	family with sequ	0.17	-2.55	0.00	0.00
45749_at	FAM65A	family with sequ	3.01	1.59	0.00	0.00
215719_x_at	FAS	Fas (TNF recept	0.23	-2.13	0.00	0.00
210975_x_at	FASTK	Fas-activated se	3.75	1.91	0.00	0.00
220896_at	FBXL18	F-box and leucin	3.64	1.86	0.00	0.00
219784_at	FBXO31	F-box protein 31	3.03	1.60	0.00	0.00
215567_at	FCF1	FCF1 small subu	0.25	-1.99	0.00	0.00
211396_at	FCGR2C	Fc fragment of Iç	4.13	2.05	0.00	0.00
222164_at	FGFR1	fibroblast growth	0.14	-2.86	0.00	0.00
210299_s_at	FHL1	four and a half L	0.26	-1.94	0.00	0.00
201540_at	FHL1	four and a half L	0.07	-3.86	0.00	0.00
205283_at	FKTN	fukutin	0.32	-1.66	0.00	0.00
205511_at	FLJ10038	hypothetical prot	0.19	-2.38	0.00	0.00
220828_s_at	FLJ11292	hypothetical prot	0.30	-1.76	0.00	0.00
219871_at	FLJ13197	hypothetical FLJ	0.24	-2.07	0.00	0.00
208613_s_at	FLNB	filamin B, beta	3.09	1.63	0.00	0.00
210316_at	FLT4	fms-related tyros	0.27	-1.89	0.00	0.00
211726_s_at	FMO2	flavin containing	5.26	2.40	0.00	0.00
215300_s_at	FMO5	flavin containing	0.26	-1.96	0.00	0.00
203689_s_at	FMR1	fragile X mental	0.28	-1.83	0.00	0.00
202768_at	FOSB	FBJ murine oste	5.34	2.42	0.00	0.01
204420_at	FOSL1	FOS-like antigen	5.02	2.33	0.00	0.00
213260_at	FOXC1	forkhead box C1	4.76	2.25	0.00	0.00
206912_at	FOX E1	forkhead box E1	5.41	2.44	0.00	0.00
205021_s_at	FOXN3	forkhead box N3	5.04	2.33	0.00	0.00
205140_at	FPGT	fucose-1-phosph	0.32	-1.64	0.00	0.00
205119_s_at	FPR1	formyl peptide re	3.65	1.87	0.00	0.00
220819_at	FRMD1	FERM domain c	3.18	1.67	0.00	0.00
212546_s_at	FRYL	FRY-like	0.18	-2.49	0.00	0.00
220604_x_at	FTCD	formiminotransfe	3.05	1.61	0.00	0.00
212847_at	FUBP1	far upstream ele	0.25	-1.99	0.00	0.00
214093_s_at	FUBP1	far upstream ele	0.17	-2.54	0.00	0.00
204299_at	FUSIP1	FUS interacting p	0.33	-1.61	0.00	0.00
210608_s_at	FUT2	fucosyltransfera	6.13	2.62	0.00	0.00
214088_s_at	FUT3	fucosyltransfera	3.05	1.61	0.00	0.00
210399_x_at	FUT6	fucosyltransfera	5.21	2.38	0.00	0.00
211465_x_at	FUT6	fucosyltransfera	4.30	2.10	0.00	0.00

203988_s_at	FUT8	fucosyltransferase	0.24	-2.05	0.00	0.00
201636_at	FXR1	fragile X mental retardation	0.15	-2.76	0.00	0.00
218084_x_at	FXYP5	FXYP domain containing	4.22	2.08	0.00	0.00
212486_s_at	FYN	FYN oncogene protein	0.29	-1.77	0.00	0.00
209416_s_at	FZR1	fizzy/cell division control	3.06	1.62	0.00	0.00
214240_at	GAL	galanin prepropeptide	4.42	2.14	0.00	0.00
207357_s_at	GALNT10	UDP-N-acetylglucosamine	0.33	-1.60	0.00	0.00
218885_s_at	GALNT12	UDP-N-acetylglucosamine	0.28	-1.85	0.00	0.00
219271_at	GALNT14	UDP-N-acetylglucosamine	9.48	3.25	0.00	0.00
219956_at	GALNT6	UDP-N-acetylglucosamine	4.03	2.01	0.00	0.00
33579_i_at	GALR3	galanin receptor	4.96	2.31	0.00	0.00
210446_at	GATA1	GATA binding protein	3.06	1.61	0.00	0.00
203178_at	GATM	glycine amidinotransferase	0.22	-2.20	0.00	0.00
218912_at	GCC1	GRIP and coiled-coil	3.21	1.68	0.00	0.00
221136_at	GDF2	growth differentiation factor	3.15	1.66	0.00	0.00
219539_at	GEMIN6	gem (nuclear organelle)	4.37	2.13	0.00	0.00
221028_s_at	GFOD2	glucose-fructose oxidoreductase	3.76	1.91	0.00	0.00
218114_at	GGA1	golgi associated, gamma	3.02	1.59	0.00	0.00
64064_at	GIMAP5	GTPase, IMAP family	3.14	1.65	0.00	0.00
218030_at	GIT1	G protein-coupled receptor	3.05	1.61	0.00	0.00
213713_s_at	GLB1L2	galactosidase, beta	4.37	2.13	0.00	0.00
213552_at	GLCE	glucuronic acid oxidase	0.28	-1.84	0.00	0.00
218458_at	GMCL1	germ cell-less homeobox	0.33	-1.59	0.00	0.00
214071_at	GNAL	guanine nucleotide-binding	0.24	-2.08	0.00	0.00
206355_at	GNAL	guanine nucleotide-binding	0.21	-2.26	0.00	0.00
208519_x_at	GNRH2	gonadotropin-releasing	3.73	1.90	0.00	0.00
208797_s_at	GOLGA8A	golgi autoantigen	0.20	-2.32	0.00	0.00
204322_at	GOLIM4	golgi integral membrane	3.22	1.69	0.00	0.00
204324_s_at	GOLIM4	golgi integral membrane	0.22	-2.19	0.00	0.00
218692_at	GOLSYN	Golgi-localized protein	0.14	-2.89	0.00	0.00
219846_at	GON4L	gon-4-like (C. elegans)	0.29	-1.77	0.00	0.00
213144_at	GOSR2	golgi SNAP receptor	3.20	1.68	0.00	0.00
209769_s_at	GP1BB	glycoprotein Ib (platelet)	3.46	1.79	0.00	0.00
206883_x_at	GP9	glycoprotein IX (platelet)	3.60	1.85	0.00	0.00
210007_s_at	GPD2	glycerol-3-phosphate	0.31	-1.70	0.00	0.00
215554_at	GPLD1	glycosylphosphatidylinositol	0.17	-2.55	0.00	0.00
213094_at	GPR126	G protein-coupled receptor	0.26	-1.94	0.00	0.00
221958_s_at	GPR177	G protein-coupled receptor	0.25	-2.03	0.00	0.00
204793_at	GPRASP1	G protein-coupled receptor	0.24	-2.07	0.00	0.00
203108_at	GPRC5A	G protein-coupled receptor	3.21	1.68	0.01	0.02
202831_at	GPX2	glutathione peroxidase	16.12	4.01	0.00	0.00
213170_at	GPX7	glutathione peroxidase	4.22	2.08	0.00	0.00
218706_s_at	GRAMD3	GRAM domain containing	0.26	-1.95	0.00	0.00
210761_s_at	GRB7	growth factor receptor	4.21	2.07	0.00	0.00
213845_at	GRIK2	glutamate receptor	0.27	-1.89	0.00	0.00
216481_at	GRIP2	glutamate receptor	5.69	2.51	0.00	0.00
204395_s_at	GRK5	G protein-coupled receptor	3.04	1.61	0.00	0.00
202849_x_at	GRK6	G protein-coupled receptor	3.12	1.64	0.00	0.00

207929_at	GRPR	gastrin-releas	3.28	1.71	0.00	0.00
209595_at	GTF2F2	general transcrip	0.28	-1.81	0.00	0.00
205276_s_at	GTPBP1	GTP binding pro	5.04	2.33	0.00	0.00
204235_s_at	GULP1	GULP, engulfme	0.20	-2.30	0.00	0.00
221892_at	H6PD	hexose-6-phospl	0.26	-1.93	0.00	0.00
201035_s_at	HADH	hydroxyacyl-Coe	3.43	1.78	0.00	0.00
207316_at	HAS1	hyaluronan syntf	4.55	2.19	0.00	0.00
213054_at	HAUS5	HAUS augmin-lil	0.28	-1.85	0.00	0.00
218602_s_at	HAUS6	HAUS augmin-lil	0.19	-2.43	0.00	0.00
217232_x_at	HBB	hemoglobin, bet	4.48	2.16	0.00	0.00
38037_at	HBEGF	heparin-binding l	15.01	3.91	0.00	0.00
203821_at	HBEGF	heparin-binding l	9.23	3.21	0.00	0.00
209315_at	HBS1L	HBS1-like (S. ce	0.20	-2.31	0.00	0.00
209314_s_at	HBS1L	HBS1-like (S. ce	0.20	-2.34	0.00	0.00
215349_at	hCG_1730474	hypothetical prot	5.47	2.45	0.00	0.00
220354_at	hCG_1774568	similar to hCG17	3.37	1.75	0.00	0.00
214893_x_at	HCN2	hyperpolarizator	3.34	1.74	0.00	0.00
216224_s_at	HDAC6	histone deacetyl	4.04	2.01	0.00	0.00
220085_at	HELLS	helicase, lymphc	0.32	-1.64	0.00	0.01
219352_at	HERC6	hect domain and	3.73	1.90	0.00	0.00
214308_s_at	HGD	homogentisate 1	4.30	2.11	0.00	0.00
219687_at	HHAT	hedgehog acyltr	4.93	2.30	0.00	0.00
221162_at	HHLA1	HERV-H LTR-as	3.73	1.90	0.00	0.00
216911_s_at	HIC2	hypermethylated	3.19	1.67	0.00	0.00
212293_at	HIPK1	homeodomain in	0.32	-1.66	0.00	0.00
214542_x_at	HIST1H2AI	histone cluster 1	7.25	2.86	0.00	0.00
208583_x_at	HIST1H2AJ	histone cluster 1	9.76	3.29	0.00	0.00
221582_at	HIST3H2A	histone cluster 3	3.31	1.73	0.00	0.00
204512_at	HIVEP1	human immunoc	0.19	-2.42	0.00	0.00
220042_x_at	HIVEP3	human immunoc	5.03	2.33	0.00	0.00
218152_at	HMG20A	high-mobility gro	0.32	-1.64	0.00	0.00
207353_s_at	HMX1	H6 family homec	3.21	1.68	0.00	0.00
216889_s_at	HNF4A	hepatocyte nucl	3.11	1.64	0.00	0.00
221919_at	HNRNPA1	heterogeneous r	0.15	-2.75	0.00	0.00
213472_at	HNRNPH1	heterogeneous r	0.26	-1.95	0.00	0.00
202072_at	HNRNPL	heterogeneous r	5.00	2.32	0.00	0.00
66053_at	HNRNPUL2	heterogeneous r	0.29	-1.77	0.00	0.00
222222_s_at	HOMER3	homer homolog	3.00	1.59	0.00	0.00
218780_at	HOOK2	hook homolog 2	3.32	1.73	0.00	0.00
213150_at	HOXA10	homeobox A10	0.24	-2.04	0.00	0.00
209905_at	HOXA9	homeobox A9	0.08	-3.67	0.00	0.00
214651_s_at	HOXA9	homeobox A9	0.06	-3.96	0.00	0.00
208224_at	HOXB1	homeobox B1	3.84	1.94	0.00	0.00
205366_s_at	HOXB6	homeobox B6	0.32	-1.66	0.00	0.00
218959_at	HOXC10	homeobox C10	0.28	-1.86	0.00	0.00
206858_s_at	HOXC6	homeobox C6	0.13	-2.92	0.00	0.00
221350_at	HOXC8	homeobox C8	0.16	-2.61	0.00	0.00
214604_at	HOXD11	homeobox D11	3.83	1.94	0.00	0.00

220633_s_at	HP1BP3	heterochromatin	3.63	1.86	0.00	0.00
206726_at	HPGDS	hematopoietic pr	0.33	-1.61	0.02	0.04
219403_s_at	HPSE	heparanase	4.88	2.29	0.00	0.00
39763_at	HPX	hemopexin	3.38	1.76	0.00	0.00
220163_s_at	HR	hairless homolog	3.29	1.72	0.00	0.00
221663_x_at	HRH3	histamine recept	4.25	2.09	0.00	0.00
205829_at	HSD17B1	hydroxysteroid (	3.14	1.65	0.00	0.00
204818_at	HSD17B2	hydroxysteroid (	4.28	2.10	0.00	0.00
209657_s_at	HSF2	heat shock trans	0.23	-2.11	0.00	0.00
213418_at	HSPA6	heat shock 70kD	3.13	1.65	0.00	0.00
214163_at	HSPB11	heat shock prote	0.32	-1.64	0.00	0.00
207578_s_at	HTR4	5-hydroxytryptan	3.26	1.71	0.00	0.00
220249_at	HYAL4	hyaluronoglucos	3.80	1.93	0.00	0.00
215513_at	HYMAI	hydatidiform mol	0.21	-2.23	0.00	0.00
204949_at	ICAM3	intercellular adhe	4.42	2.14	0.00	0.00
204569_at	ICK	intestinal cell (M	0.25	-1.99	0.00	0.00
208937_s_at	ID1	inhibitor of DNA	5.26	2.39	0.00	0.00
209292_at	ID4	inhibitor of DNA	0.22	-2.20	0.00	0.01
202438_x_at	IDS	iduronate 2-sulfa	0.32	-1.66	0.00	0.00
202411_at	IFI27	interferon, alpha	11.84	3.57	0.00	0.00
214453_s_at	IFI44	interferon-induce	6.02	2.59	0.00	0.00
204415_at	IFI6	interferon, alpha	4.25	2.09	0.00	0.00
203153_at	IFIT1	interferon-induce	3.51	1.81	0.01	0.03
214022_s_at	IFITM1	interferon induce	6.75	2.76	0.00	0.00
201601_x_at	IFITM1	interferon induce	5.58	2.48	0.00	0.00
201315_x_at	IFITM2	interferon induce	3.41	1.77	0.00	0.00
212203_x_at	IFITM3	interferon induce	3.41	1.77	0.00	0.00
219174_at	IFT74	intraflagellar tran	0.32	-1.67	0.00	0.00
61732_r_at	IFT74	intraflagellar tran	0.21	-2.28	0.00	0.00
203628_at	IGF1R	insulin-like growt	0.31	-1.71	0.00	0.00
203424_s_at	IGFBP5	insulin-like growt	0.16	-2.65	0.00	0.00
211959_at	IGFBP5	insulin-like growt	0.16	-2.69	0.00	0.01
31861_at	IGHMBP2	immunoglobulin	10.30	3.37	0.00	0.00
202490_at	IKBKAP	inhibitor of kappa	0.24	-2.08	0.00	0.00
36004_at	IKBKG	inhibitor of kappa	6.09	2.61	0.00	0.00
209929_s_at	IKBKG	inhibitor of kappa	3.98	1.99	0.00	0.00
64440_at	IL17RC	interleukin 17 rec	6.54	2.71	0.00	0.00
219323_s_at	IL18BP	interleukin 18 bir	4.35	2.12	0.00	0.00
39402_at	IL1B	interleukin 1, bet	3.43	1.78	0.00	0.00
205067_at	IL1B	interleukin 1, bet	3.25	1.70	0.00	0.00
220322_at	IL1F9	interleukin 1 fam	3.49	1.80	0.00	0.01
212659_s_at	IL1RN	interleukin 1 rec	4.29	2.10	0.00	0.00
222062_at	IL27RA	interleukin 27 rec	5.31	2.41	0.00	0.00
203233_at	IL4R	interleukin 4 rec	3.47	1.79	0.00	0.00
206693_at	IL7	interleukin 7	0.07	-3.75	0.00	0.00
204465_s_at	INA	intermexin neuroi	5.96	2.58	0.00	0.00
214705_at	INADL	InaD-like (Droso	0.13	-2.91	0.00	0.00
205258_at	INHBB	inhibin, beta B	3.59	1.85	0.00	0.00

202781_s_at	INPP5K	inositol polyphos	3.40	1.77	0.00	0.00
218783_at	INTS7	integrator compl	0.30	-1.72	0.00	0.00
210114_at	INVS	inversin	0.28	-1.86	0.00	0.00
221974_at	IPW	imprinted in Prac	0.29	-1.77	0.00	0.00
203907_s_at	IQSEC1	IQ motif and Sec	3.93	1.97	0.00	0.00
214819_at	IQSEC2	IQ motif and Sec	3.30	1.72	0.00	0.00
203882_at	IRF9	interferon regula	3.15	1.66	0.00	0.00
206104_at	ISL1	ISL LIM homeob	0.33	-1.59	0.00	0.00
218893_at	ISOC2	isochorismatase	4.71	2.24	0.00	0.00
205032_at	ITGA2	integrin, alpha 2	3.22	1.69	0.00	0.00
205786_s_at	ITGAM	integrin, alpha M	7.09	2.83	0.00	0.00
202661_at	ITPR2	inositol 1,4,5-trip	0.30	-1.73	0.00	0.00
202660_at	ITPR2	inositol 1,4,5-trip	0.18	-2.49	0.00	0.00
202662_s_at	ITPR2	inositol 1,4,5-trip	0.14	-2.88	0.00	0.00
209298_s_at	ITSN1	intersectin 1 (SH	0.26	-1.94	0.00	0.00
216495_x_at	IVD	isovaleryl Coenz	5.62	2.49	0.00	0.00
214599_at	IVL	involucrin	4.95	2.31	0.01	0.03
205841_at	JAK2	Janus kinase 2	0.23	-2.10	0.00	0.00
218560_s_at	JMJD4	jumonji domain c	3.45	1.79	0.00	0.00
201466_s_at	JUN	jun oncogene	3.79	1.92	0.00	0.00
201464_x_at	JUN	jun oncogene	3.09	1.63	0.00	0.00
201473_at	JUNB	jun B proto-onco	3.27	1.71	0.00	0.00
203751_x_at	JUND	jun D proto-onco	3.31	1.73	0.00	0.00
219106_s_at	KBTD10	kelch repeat and	0.29	-1.81	0.00	0.00
210078_s_at	KCNAB1	potassium voltaç	0.22	-2.16	0.00	0.00
206231_at	KCNN1	potassium intern	4.77	2.26	0.00	0.00
211217_s_at	KCNQ1	potassium voltaç	3.13	1.65	0.00	0.00
207366_at	KCNS1	potassium voltaç	6.10	2.61	0.00	0.00
212192_at	KCTD12	potassium chanr	0.25	-1.98	0.00	0.00
212188_at	KCTD12	potassium chanr	0.23	-2.15	0.00	0.00
45653_at	KCTD13	potassium chanr	0.32	-1.64	0.00	0.00
217894_at	KCTD3	potassium chanr	0.17	-2.58	0.00	0.00
209984_at	KDM4C	lysine (K)-specifi	0.32	-1.66	0.00	0.00
202383_at	KDM5C	lysine (K)-specifi	3.13	1.64	0.00	0.00
203991_s_at	KDM6A	lysine (K)-specifi	0.20	-2.36	0.00	0.00
41387_r_at	KDM6B	lysine (K)-specifi	4.41	2.14	0.00	0.00
41386_i_at	KDM6B	lysine (K)-specifi	3.35	1.74	0.00	0.00
201977_s_at	KIAA0141	KIAA0141	0.31	-1.69	0.00	0.00
212523_s_at	KIAA0146	KIAA0146	0.27	-1.89	0.00	0.00
213208_at	KIAA0240	KIAA0240	0.33	-1.59	0.00	0.00
212427_at	KIAA0368	KIAA0368	0.26	-1.96	0.00	0.00
214295_at	KIAA0485	hypothetical LOC	0.25	-2.02	0.00	0.00
212943_at	KIAA0528	KIAA0528	0.28	-1.85	0.00	0.00
204075_s_at	KIAA0562	KIAA0562	0.12	-3.10	0.00	0.00
215268_at	KIAA0754	KIAA0754	0.14	-2.83	0.00	0.00
212633_at	KIAA0776	KIAA0776	0.23	-2.15	0.00	0.00
213358_at	KIAA0802	KIAA0802	5.07	2.34	0.00	0.00
213424_at	KIAA0895	KIAA0895	0.06	-4.08	0.00	0.00

215936_s_at	KIAA1033	KIAA1033	0.28	-1.85	0.00	0.00
214098_at	KIAA1107	KIAA1107	0.27	-1.87	0.00	0.00
212942_s_at	KIAA1199	KIAA1199	3.48	1.80	0.00	0.00
215367_at	KIAA1614	KIAA1614	3.19	1.67	0.00	0.00
220171_x_at	KIAA1704	KIAA1704	0.29	-1.79	0.00	0.00
220777_at	KIF13A	kinesin family m	0.26	-1.93	0.00	0.01
219570_at	KIF16B	kinesin family m	0.30	-1.74	0.00	0.00
208128_x_at	KIF25	kinesin family m	4.07	2.03	0.00	0.00
203130_s_at	KIF5C	kinesin family m	0.32	-1.65	0.00	0.00
209680_s_at	KIFC1	kinesin family m	3.09	1.63	0.00	0.00
221302_at	KLF15	Kruppel-like fact	3.28	1.71	0.00	0.00
203543_s_at	KLF9	Kruppel-like fact	0.14	-2.84	0.00	0.00
204176_at	KLHL20	kelch-like 20 (Dr	0.26	-1.94	0.00	0.00
213610_s_at	KLHL23	kelch-like 23 (Dr	0.27	-1.87	0.00	0.00
221986_s_at	KLHL24	kelch-like 24 (Dr	0.23	-2.10	0.01	0.01
220238_s_at	KLHL7	kelch-like 7 (Dro	0.25	-2.02	0.00	0.00
204733_at	KLK6	kallikrein-related	7.72	2.95	0.00	0.00
206316_s_at	KNTC1	kinetochore assoc	0.30	-1.76	0.00	0.00
204010_s_at	KRAS	v-Ki-ras2 Kirsten	0.16	-2.69	0.00	0.00
216713_at	KRIT1	KRIT1, ankyrin r	0.31	-1.71	0.00	0.00
34031_i_at	KRIT1	KRIT1, ankyrin r	0.20	-2.33	0.00	0.00
203203_s_at	KRR1	KRR1, small sub	0.23	-2.10	0.00	0.00
209800_at	KRT16	keratin 16	17.49	4.13	0.00	0.00
212236_x_at	KRT17	keratin 17	7.36	2.88	0.00	0.00
205157_s_at	KRT17	keratin 17	5.33	2.41	0.02	0.03
209125_at	KRT6A	keratin 6A	149.21	7.22	0.00	0.00
213680_at	KRT6B	keratin 6B	112.36	6.81	0.00	0.00
209126_x_at	KRT6B	keratin 6B	18.46	4.21	0.00	0.00
207065_at	KRT75	keratin 75	7.12	2.83	0.00	0.00
208188_at	KRT9	keratin 9	17.25	4.11	0.00	0.00
208532_x_at	KRTAP5-8	keratin associate	6.46	2.69	0.00	0.00
216076_at	L3MBTL	l(3)mbt-like (Dro	3.04	1.60	0.00	0.00
210306_at	L3MBTL	l(3)mbt-like (Dro	0.19	-2.39	0.00	0.00
218701_at	LACTB2	lactamase, beta	0.28	-1.84	0.00	0.00
210089_s_at	LAMA4	laminin, alpha 4	0.29	-1.77	0.00	0.00
216622_at	LAMB4	laminin, beta 4	0.28	-1.83	0.00	0.00
215516_at	LAMB4	laminin, beta 4	0.15	-2.76	0.00	0.01
202019_s_at	LANCL1	LanC lantibiotic s	3.50	1.81	0.00	0.00
214155_s_at	LARP4	La ribonucleoprc	0.28	-1.83	0.00	0.00
208953_at	LARP4B	La ribonucleoprc	0.32	-1.64	0.00	0.00
212442_s_at	LASS6	LAG1 homolog, i	0.23	-2.13	0.00	0.00
212446_s_at	LASS6	LAG1 homolog, i	0.18	-2.47	0.00	0.00
207734_at	LAX1	lymphocyte trans	0.24	-2.06	0.00	0.00
212531_at	LCN2	lipocalin 2	8.09	3.02	0.00	0.00
201030_x_at	LDHB	lactate dehydrog	3.03	1.60	0.01	0.01
202068_s_at	LDLR	low density lipop	4.53	2.18	0.00	0.00
202067_s_at	LDLR	low density lipop	3.94	1.98	0.00	0.00
200923_at	LGALS3BP	lectin, galactosid	4.20	2.07	0.00	0.00

218326_s_at	LGR4	leucine-rich repe	0.21	-2.26	0.00	0.00
214471_x_at	LHB	luteinizing hormc	3.67	1.88	0.00	0.00
208333_at	LHX5	LIM homeobox 5	3.13	1.65	0.00	0.00
205266_at	LIF	leukemia inhibitc	0.26	-1.94	0.00	0.00
211336_x_at	LILRB1	leukocyte immur	3.14	1.65	0.00	0.00
204356_at	LIMK1	LIM domain kina	3.37	1.75	0.00	0.00
206123_at	LLGL1	lethal giant larva	4.18	2.07	0.00	0.00
218574_s_at	LMCD1	LIM and cysteine	4.28	2.10	0.00	0.00
213703_at	LOC150759	hypothetical prot	0.19	-2.43	0.00	0.00
215978_x_at	LOC152719	hypothetical prot	6.04	2.60	0.00	0.00
220609_at	LOC202181	hypothetical prot	0.24	-2.09	0.00	0.00
213510_x_at	LOC220594	TL132 protein	0.27	-1.90	0.00	0.00
217219_at	LOC26102	hypothetical LOC	3.97	1.99	0.00	0.00
216387_x_at	LOC399804	similar to nucleo	0.32	-1.66	0.00	0.00
217667_at	LOC729799	SEC14-like 1 psi	0.23	-2.16	0.00	0.00
214712_at	LOC730092	RRN3 RNA poly	0.29	-1.80	0.00	0.00
215202_at	LOC91316	glucuronidase, b	4.30	2.11	0.00	0.00
213502_x_at	LOC91316	glucuronidase, b	0.31	-1.71	0.01	0.02
204036_at	LPAR1	lysophosphatidic	0.33	-1.60	0.00	0.00
201818_at	LPCAT1	lysophosphatidyl	3.21	1.68	0.00	0.00
90610_at	LRCH4	leucine-rich repe	4.23	2.08	0.00	0.00
220253_s_at	LRP12	low density lipop	0.26	-1.93	0.00	0.00
204381_at	LRP3	low density lipop	3.22	1.69	0.00	0.00
34697_at	LRP6	low density lipop	0.25	-2.01	0.00	0.00
221740_x_at	LRRC37A2	leucine rich repe	0.27	-1.90	0.00	0.00
220220_at	LRRC37A4	leucine rich repe	0.26	-1.93	0.00	0.00
218577_at	LRRC40	leucine rich repe	0.28	-1.83	0.00	0.00
208140_s_at	LRRC48	leucine rich repe	0.28	-1.86	0.00	0.00
222231_s_at	LRRC59	leucine rich repe	4.70	2.23	0.00	0.00
218907_s_at	LRRC61	leucine rich repe	4.03	2.01	0.00	0.00
220174_at	LRRC8E	leucine rich repe	3.36	1.75	0.00	0.00
216164_at	LRRN2	leucine rich repe	3.21	1.68	0.00	0.00
212924_s_at	LSM4	LSM4 homolog,	3.73	1.90	0.00	0.00
202018_s_at	LTF	lactotransferrin	4.61	2.21	0.00	0.00
208835_s_at	LUC7L3	LUC7-like 3 (S. c	0.33	-1.59	0.00	0.00
207114_at	LY6G6C	lymphocyte antiç	3.03	1.60	0.00	0.00
204952_at	LYPD3	LY6/PLAUR don	3.91	1.97	0.01	0.02
221311_x_at	LYRM2	LYR motif contai	0.33	-1.62	0.00	0.00
213975_s_at	LYZ	lysozyme (renal	3.33	1.74	0.01	0.03
221553_at	MAGT1	magnesium tran:	0.29	-1.81	0.00	0.00
204777_s_at	MAL	mal, T-cell differ	6.38	2.67	0.00	0.00
221760_at	MAN1A1	mannosidase, al	0.21	-2.22	0.00	0.00
217282_at	MAN1A2	mannosidase, al	0.16	-2.68	0.00	0.00
219999_at	MAN2A2	mannosidase, al	0.20	-2.34	0.00	0.00
204389_at	MAOA	monoamine oxid	0.32	-1.65	0.00	0.00
216765_at	MAP2K5	mitogen-activate	0.29	-1.78	0.00	0.00
206362_x_at	MAP3K10	mitogen-activate	3.29	1.72	0.00	0.00
218311_at	MAP4K3	mitogen-activate	0.12	-3.05	0.00	0.00

211081_s_at	MAP4K5	mitogen-activate	0.17	-2.55	0.00	0.00
211500_at	MAPK11	mitogen-activate	5.33	2.42	0.00	0.00
210570_x_at	MAPK9	mitogen-activate	3.14	1.65	0.00	0.00
218411_s_at	MBIP	MAP3K12 bindin	0.29	-1.81	0.00	0.00
201151_s_at	MBNL1	muscleblind-like	0.24	-2.06	0.00	0.00
211037_s_at	MBOAT7	membrane boun	3.74	1.90	0.00	0.00
207115_x_at	MBTD1	mbt domain cont	0.24	-2.07	0.00	0.00
213761_at	MDM1	Mdm1 nuclear pi	0.24	-2.08	0.00	0.00
217542_at	MDM2	Mdm2 p53 bindin	0.32	-1.63	0.00	0.00
218664_at	MECR	mitochondrial tra	4.35	2.12	0.00	0.00
203497_at	MED1	mediator comple	0.19	-2.37	0.00	0.00
201986_at	MED13	mediator comple	0.32	-1.63	0.00	0.00
212207_at	MED13L	mediator comple	0.24	-2.06	0.00	0.00
216109_at	MED13L	mediator comple	0.22	-2.16	0.00	0.00
207078_at	MED6	mediator comple	0.12	-3.02	0.00	0.00
208328_s_at	MEF2A	myocyte enhanc	0.32	-1.66	0.00	0.00
212831_at	MEGF9	multiple EGF-like	0.20	-2.33	0.00	0.00
213899_at	METAP2	methionyl amino	0.33	-1.59	0.00	0.00
220797_at	METT10D	methyltransferas	0.24	-2.03	0.00	0.00
211424_x_at	METTL7A	methyltransferas	0.22	-2.19	0.00	0.00
219858_s_at	MFSD6	major facilitator s	0.18	-2.45	0.00	0.00
211386_at	MGC12488	hypothetical prot	0.24	-2.06	0.00	0.00
203636_at	MID1	midline 1 (Opitz/	3.89	1.96	0.00	0.00
221863_at	MIER2	mesoderm induc	5.05	2.34	0.00	0.00
214625_s_at	MINK1	misshapen-like k	4.69	2.23	0.00	0.00
216845_x_at	MLL2	myeloid/lymphoi	4.35	2.12	0.00	0.00
216382_s_at	MLL2	myeloid/lymphoi	3.82	1.93	0.00	0.00
214939_x_at	MLLT4	myeloid/lymphoi	3.56	1.83	0.00	0.00
218211_s_at	MLPH	melanophilin	3.25	1.70	0.00	0.00
203878_s_at	MMP11	matrix metallope	3.05	1.61	0.00	0.00
202828_s_at	MMP14	matrix metallope	3.08	1.62	0.00	0.00
203936_s_at	MMP9	matrix metallope	3.42	1.78	0.02	0.03
218212_s_at	MOCS2	molybdenum cof	0.33	-1.62	0.00	0.00
219852_s_at	MORN1	MORN repeat cc	8.32	3.06	0.00	0.00
201874_at	MPZL1	myelin protein ze	4.64	2.21	0.00	0.00
210594_x_at	MPZL1	myelin protein ze	3.77	1.91	0.00	0.00
210224_at	MR1	major histocomp	0.31	-1.70	0.00	0.00
215919_s_at	MRPS11	mitochondrial rib	0.31	-1.71	0.00	0.00
219666_at	MS4A6A	membrane-span	3.98	1.99	0.00	0.00
205887_x_at	MSH3	mutS homolog 3	0.24	-2.09	0.00	0.00
219281_at	MSRA	methionine sulfo	3.86	1.95	0.00	0.00
204956_at	MTAP	methylthioadeno	0.23	-2.10	0.00	0.00
203347_s_at	MTF2	metal response e	0.19	-2.39	0.00	0.00
220346_at	MTHFD2L	methylenetetrah	0.29	-1.80	0.00	0.00
36920_at	MTM1	myotubularin 1	0.28	-1.85	0.00	0.00
205076_s_at	MTMR11	myotubularin rel	3.90	1.96	0.00	0.00
203199_s_at	MTRR	5-methyltetrahyc	0.32	-1.63	0.00	0.00
212093_s_at	MTUS1	mitochondrial tur	0.28	-1.86	0.00	0.00

36907_at	MVK	mevalonate kina	5.09	2.35	0.00	0.00
202086_at	MX1	myxovirus (influe	14.56	3.86	0.00	0.00
204994_at	MX2	myxovirus (influe	3.48	1.80	0.00	0.00
201710_at	MYBL2	v-myb myeloblas	3.34	1.74	0.00	0.00
208040_s_at	MYBPC3	myosin binding p	4.31	2.11	0.00	0.00
219946_x_at	MYH14	myosin, heavy cl	10.91	3.45	0.00	0.00
206657_s_at	MYOD1	myogenic differe	3.76	1.91	0.00	0.00
205826_at	MYOM2	myomesin (M-pr	0.26	-1.94	0.00	0.00
219509_at	MYOZ1	myozenin 1	3.50	1.81	0.00	0.00
202259_s_at	N4BP2L2	NEDD4 binding p	0.28	-1.85	0.00	0.00
204860_s_at	NAIP	NLR family, apo	0.17	-2.58	0.00	0.00
220184_at	NANOG	Nanog homeobo	0.30	-1.74	0.00	0.00
219368_at	NAP1L2	nucleosome ass	0.32	-1.66	0.00	0.00
204749_at	NAP1L3	nucleosome ass	0.17	-2.56	0.00	0.00
222369_at	NAT11	N-acetyltransfer	0.31	-1.70	0.00	0.00
221207_s_at	NBEA	neurobeachin	0.29	-1.77	0.00	0.00
201621_at	NBL1	neuroblastoma, t	3.87	1.95	0.00	0.00
209556_at	NCDN	neurochondrin	6.26	2.65	0.00	0.00
209557_s_at	NCDN	neurochondrin	5.85	2.55	0.00	0.00
205731_s_at	NCOA2	nuclear receptor	0.21	-2.23	0.00	0.00
217045_x_at	NCR2	natural cytotoxic	4.14	2.05	0.00	0.00
217493_x_at	NCR2	natural cytotoxic	3.59	1.85	0.00	0.00
218160_at	NDUFA8	NADH dehydrog	3.10	1.63	0.00	0.00
213116_at	NEK3	NIMA (never in r	0.26	-1.95	0.00	0.00
204634_at	NEK4	NIMA (never in r	0.32	-1.64	0.00	0.00
214738_s_at	NEK9	NIMA (never in r	3.05	1.61	0.00	0.00
214125_s_at	NENF	neuron derived r	3.43	1.78	0.00	0.00
218678_at	NES	nestin	3.40	1.77	0.00	0.00
204889_s_at	NEURL	neuralized homo	5.60	2.48	0.00	0.00
213438_at	NFASC	neurofascin hom	0.25	-2.03	0.00	0.00
210556_at	NFATC3	nuclear factor of	0.22	-2.19	0.00	0.00
213033_s_at	NFIB	nuclear factor I/E	0.27	-1.88	0.00	0.00
213032_at	NFIB	nuclear factor I/E	0.16	-2.65	0.00	0.00
211466_at	NFIB	nuclear factor I/E	0.14	-2.87	0.00	0.00
210268_at	NFX1	nuclear transcrip	0.21	-2.24	0.00	0.00
204109_s_at	NFYA	nuclear transcrip	4.16	2.06	0.00	0.00
215228_at	NHLH2	nescient helix lo	0.16	-2.67	0.00	0.00
219353_at	NHLRC2	NHL repeat cont	0.15	-2.73	0.00	0.00
207108_s_at	NIPBL	Nipped-B homolo	0.25	-2.01	0.00	0.00
205004_at	NKRF	NFKB repressin	0.33	-1.60	0.00	0.00
215338_s_at	NKTR	natural killer-tum	0.24	-2.03	0.00	0.00
206578_at	NKX2-5	NK2 transcrip	4.95	2.31	0.00	0.00
205895_s_at	NOLC1	nucleolar and co	3.70	1.89	0.00	0.00
214011_s_at	NOP16	NOP16 nucleola	3.81	1.93	0.00	0.00
201695_s_at	NP	nucleoside phos	5.75	2.52	0.00	0.00
211584_s_at	NPAT	nuclear protein, i	0.32	-1.65	0.00	0.00
219789_at	NPR3	natriuretic peptid	0.26	-1.96	0.00	0.01
205440_s_at	NPY1R	neuropeptide Y r	0.13	-2.95	0.00	0.00

201468_s_at	NQO1	NAD(P)H dehyd	4.37	2.13	0.01	0.01
210519_s_at	NQO1	NAD(P)H dehyd	4.05	2.02	0.01	0.01
206410_at	NR0B2	nuclear receptor	3.35	1.75	0.00	0.00
209119_x_at	NR2F2	nuclear receptor	0.13	-2.97	0.00	0.00
205259_at	NR3C2	nuclear receptor	0.21	-2.23	0.00	0.00
202340_x_at	NR4A1	nuclear receptor	5.87	2.55	0.00	0.00
211143_x_at	NR4A1	nuclear receptor	5.82	2.54	0.00	0.00
210226_at	NR4A1	nuclear receptor	3.84	1.94	0.00	0.00
204621_s_at	NR4A2	nuclear receptor	3.30	1.72	0.00	0.01
209959_at	NR4A3	nuclear receptor	6.87	2.78	0.00	0.00
202600_s_at	NRIP1	nuclear receptor	0.25	-2.03	0.00	0.00
210841_s_at	NRP2	neuropilin 2	3.55	1.83	0.00	0.00
209279_s_at	NSDHL	NAD(P) depend	3.88	1.96	0.00	0.00
219708_at	NT5M	5',3'-nucleotidas	3.03	1.60	0.00	0.00
203675_at	NUCB2	nucleobindin 2	0.23	-2.13	0.00	0.00
214136_at	NUDT13	nudix (nucleosid	0.13	-2.95	0.00	0.00
213461_at	NUDT21	nudix (nucleosid	0.23	-2.15	0.00	0.00
220183_s_at	NUDT6	nudix (nucleosid	0.30	-1.74	0.00	0.00
205134_s_at	NUFIP1	nuclear fragile X	0.33	-1.59	0.00	0.00
214250_at	NUMA1	nuclear mitotic a	0.30	-1.75	0.01	0.03
207545_s_at	NUMB	numb homolog (	0.28	-1.83	0.00	0.00
212709_at	NUP160	nucleoporin 160k	0.25	-2.03	0.00	0.00
218294_s_at	NUP50	nucleoporin 50k	0.25	-1.98	0.00	0.00
202869_at	OAS1	2',5'-oligoadenyl	4.35	2.12	0.00	0.00
205552_s_at	OAS1	2',5'-oligoadenyl	3.17	1.66	0.00	0.00
210797_s_at	OASL	2'-5'-oligoadenyl	3.80	1.93	0.00	0.00
201364_s_at	OAZ2	ornithine decarb	3.19	1.68	0.00	0.00
220848_x_at	OBP2A	odorant binding p	3.72	1.89	0.00	0.00
44617_at	OGFOD2	2-oxoglutarate a	4.76	2.25	0.00	0.00
204853_at	ORC2L	origin recognitio	0.30	-1.73	0.00	0.00
211212_s_at	ORC5L	origin recognitio	0.28	-1.84	0.00	0.00
219073_s_at	OSBPL10	oxysterol binding	0.28	-1.83	0.00	0.00
209627_s_at	OSBPL3	oxysterol binding	0.27	-1.89	0.00	0.00
212582_at	OSBPL8	oxysterol binding	0.30	-1.74	0.00	0.00
38710_at	OTUB1	OTU domain, ub	3.84	1.94	0.00	0.00
219369_s_at	OTUB2	OTU domain, ub	3.53	1.82	0.00	0.00
206604_at	OVOL1	ovo-like 1(Droso	3.82	1.93	0.00	0.00
202780_at	OXCT1	3-oxoacid CoA tr	0.33	-1.61	0.00	0.00
218197_s_at	OXR1	oxidation resista	0.26	-1.94	0.00	0.00
200654_at	P4HB	prolyl 4-hydroxyl	3.03	1.60	0.00	0.00
220962_s_at	PADI1	peptidyl arginine	3.13	1.64	0.00	0.00
213754_s_at	PAIP1	poly(A) binding p	0.24	-2.06	0.00	0.00
208876_s_at	PAK2	p21 protein (Cdc	0.17	-2.57	0.00	0.00
215374_at	PAPOLA	poly(A) polymera	0.30	-1.73	0.00	0.00
205245_at	PARD6A	par-6 partitionin	5.22	2.38	0.00	0.00
214237_x_at	PAWR	PRKC, apoptosis	4.36	2.12	0.00	0.00
121_at	PAX8	paired box 8	6.84	2.77	0.00	0.00
219543_at	PBLD	phenazine biosy	0.32	-1.63	0.00	0.00

202876_s_at	PBX2	pre-B-cell leu	0.24	-2.06	0.00	0.00
212259_s_at	PBXIP1	pre-B-cell leu	3.36	1.75	0.00	0.00
220186_s_at	PCDH24	protocadherin 24	4.33	2.11	0.00	0.00
210368_at	PCDHGA8	protocadherin ga	0.30	-1.73	0.00	0.00
203378_at	PCF11	PCF11, cleavag	0.20	-2.33	0.00	0.00
219940_s_at	PCID2	PCI domain cont	3.15	1.65	0.00	0.00
205560_at	PCSK5	proprotein conve	0.30	-1.72	0.00	0.00
205559_s_at	PCSK5	proprotein conve	0.18	-2.51	0.00	0.00
209700_x_at	PDE4DIP	phosphodiestera	0.21	-2.27	0.00	0.00
221957_at	PK3	pyruvate dehydr	3.55	1.83	0.00	0.00
218690_at	PDLIM4	PDZ and LIM do	4.72	2.24	0.00	0.00
203242_s_at	PDLIM5	PDZ and LIM do	0.22	-2.21	0.00	0.00
213684_s_at	PDLIM5	PDZ and LIM do	0.20	-2.32	0.00	0.00
32029_at	PDPK1	3-phosphoinositi	3.76	1.91	0.00	0.00
204742_s_at	PDS5B	PDS5, regulator	0.28	-1.85	0.00	0.00
215888_at	PDS5B	PDS5, regulator	0.26	-1.92	0.00	0.00
219630_at	PDZK1IP1	PDZK1 interactir	6.80	2.77	0.00	0.00
209242_at	PEG3	paternally expres	0.19	-2.38	0.00	0.00
219132_at	PELI2	pellino homolog	0.13	-2.95	0.00	0.00
204300_at	PET112L	PET112-like (ye	4.29	2.10	0.00	0.00
204873_at	PEX1	peroxisomal bioç	0.16	-2.69	0.00	0.00
201706_s_at	PEX19	peroxisomal bioç	7.11	2.83	0.00	0.00
203969_at	PEX3	peroxisomal bioç	0.14	-2.79	0.00	0.00
206390_x_at	PF4	platelet factor 4	3.29	1.72	0.00	0.00
207931_s_at	PFKFB2	6-phosphofructo	3.14	1.65	0.00	0.00
213469_at	PGAP1	post-GPI attachr	0.14	-2.84	0.00	0.00
220576_at	PGAP1	post-GPI attachr	0.08	-3.69	0.00	0.00
219225_at	PGBD5	piggyBac transp	7.12	2.83	0.00	0.00
201118_at	PGD	phosphoglucona	4.01	2.01	0.00	0.00
209652_s_at	PGF	placental growth	3.71	1.89	0.00	0.00
218410_s_at	PGP	phosphoglycolat	3.72	1.90	0.00	0.00
204049_s_at	PHACTR2	phosphatase an	0.21	-2.22	0.00	0.00
218338_at	PHC1	polyhomeotic ho	3.57	1.84	0.00	0.00
217951_s_at	PHF3	PHD finger prote	0.20	-2.33	0.00	0.00
215718_s_at	PHF3	PHD finger prote	0.14	-2.85	0.00	0.00
205450_at	PHKA1	phosphorylase k	4.88	2.29	0.00	0.00
216102_at	PHLDB1	pleckstrin homol	4.47	2.16	0.00	0.00
203691_at	PI3	peptidase inhibit	34.53	5.11	0.00	0.00
41469_at	PI3	peptidase inhibit	31.72	4.99	0.00	0.00
209346_s_at	PI4K2A	phosphatidylinos	3.03	1.60	0.00	0.00
37433_at	PIAS2	protein inhibitor	0.14	-2.80	0.00	0.00
213239_at	PIBF1	progesterone im	0.18	-2.50	0.00	0.00
215242_at	PIGC	phosphatidylinos	0.29	-1.79	0.00	0.00
204369_at	PIK3CA	phosphoinositide	0.16	-2.62	0.00	0.00
217620_s_at	PIK3CB	phosphoinositide	0.13	-3.00	0.00	0.00
212240_s_at	PIK3R1	phosphoinositide	0.22	-2.20	0.00	0.00
222218_s_at	PILRA	paired immunogl	0.23	-2.12	0.00	0.00
222150_s_at	PION	pigeon homolog	0.26	-1.96	0.00	0.00

213142_x_at	PION	pigeon homolog	0.21	-2.24	0.00	0.00
205632_s_at	PIP5K1B	phosphatidylinos	0.21	-2.25	0.00	0.00
209587_at	PITX1	paired-like home	8.36	3.06	0.00	0.00
208502_s_at	PITX1	paired-like home	6.93	2.79	0.00	0.00
221061_at	PKD2L1	polycystic kidney	5.06	2.34	0.00	0.00
204267_x_at	PKMYT1	protein kinase, n	3.55	1.83	0.00	0.00
212629_s_at	PKN2	protein kinase N.	0.30	-1.73	0.00	0.00
205724_at	PKP1	plakophilin 1 (ec	3.26	1.71	0.00	0.00
205372_at	PLAG1	pleiomorphic ad	0.30	-1.74	0.00	0.00
209318_x_at	PLAGL1	pleiomorphic ad	0.25	-2.00	0.00	0.00
207943_x_at	PLAGL1	pleiomorphic ad	0.25	-2.01	0.00	0.00
207002_s_at	PLAGL1	pleiomorphic ad	0.19	-2.42	0.00	0.00
201860_s_at	PLAT	plasminogen act	4.17	2.06	0.00	0.00
211924_s_at	PLAUR	plasminogen act	3.19	1.67	0.00	0.00
219011_at	PLEKHA4	pleckstrin homol	3.99	2.00	0.00	0.00
219566_at	PLEKHF1	pleckstrin homol	6.02	2.59	0.00	0.00
205190_at	PLS1	plastin 1 (I isofo	0.20	-2.31	0.00	0.00
56197_at	PLSCR3	phospholipid scr	3.32	1.73	0.00	0.00
179_at	PMS2L11	postmeiotic segr	12.07	3.59	0.00	0.00
212036_s_at	PNN	pinin, desmosom	0.24	-2.05	0.00	0.00
39854_r_at	PNPLA2	patatin-like phos	7.42	2.89	0.00	0.00
219756_s_at	POF1B	premature ovaric	0.30	-1.76	0.02	0.04
219317_at	POLI	polymerase (DN.	0.27	-1.90	0.00	0.00
60815_at	POLR2J4	polymerase (RN.	0.17	-2.60	0.00	0.00
220632_s_at	POMT2	protein-O-mann	3.64	1.87	0.00	0.00
213695_at	PON3	paraoxonase 3	5.11	2.35	0.00	0.00
210809_s_at	POSTN	periostin, osteob	0.21	-2.28	0.00	0.00
214981_at	POSTN	periostin, osteob	0.15	-2.76	0.00	0.00
211660_at	POU2F2	POU class 2 hor	3.03	1.60	0.00	0.00
216332_at	POU6F1	POU class 6 hor	3.65	1.87	0.00	0.00
212230_at	PPAP2B	phosphatidic aci	0.30	-1.75	0.00	0.00
219195_at	PPARGC1A	peroxisome proli	0.23	-2.14	0.00	0.00
209433_s_at	PPAT	phosphoribosyl r	0.32	-1.66	0.00	0.00
218010_x_at	PPDPF	pancreatic proge	3.01	1.59	0.00	0.00
213368_x_at	PPFIA3	protein tyrosine p	4.08	2.03	0.00	0.00
214374_s_at	PPFIBP1	PTPRF interactir	0.19	-2.38	0.00	0.00
217602_at	PPIA	peptidylprolyl iso	0.12	-3.11	0.00	0.00
210407_at	PPM1A	protein phosphal	0.33	-1.62	0.00	0.00
201603_at	PPP1R12A	protein phosphal	0.28	-1.86	0.00	0.00
202165_at	PPP1R2	protein phosphal	0.32	-1.64	0.00	0.00
202166_s_at	PPP1R2	protein phosphal	0.30	-1.72	0.01	0.02
204284_at	PPP1R3C	protein phosphal	3.19	1.67	0.01	0.02
204554_at	PPP1R3D	protein phosphal	0.30	-1.75	0.00	0.00
209632_at	PPP2R3A	protein phosphal	0.23	-2.11	0.00	0.00
32541_at	PPP3CC	protein phosphal	0.31	-1.72	0.00	0.00
215705_at	PPP5C	protein phosphal	3.61	1.85	0.00	0.00
213483_at	PPWD1	peptidylprolyl iso	0.24	-2.04	0.00	0.00
216458_at	PQLC3	PQ loop repeat c	3.90	1.96	0.00	0.00

211531_x_at	PRB1	proline-rich prote	5.41	2.44	0.00	0.00
210597_x_at	PRB1	proline-rich prote	3.25	1.70	0.00	0.00
205628_at	PRIM2	primase, DNA, p	0.23	-2.12	0.00	0.00
204843_s_at	PRKAR2A	protein kinase, c	3.53	1.82	0.00	0.00
203680_at	PRKAR2B	protein kinase, c	0.26	-1.95	0.00	0.00
207957_s_at	PRKCB	protein kinase C	0.22	-2.19	0.00	0.00
202178_at	PRKCZ	protein kinase C	3.09	1.63	0.00	0.00
218236_s_at	PRKD3	protein kinase D	0.33	-1.60	0.00	0.00
210476_s_at	PRLR	prolactin recepto	3.94	1.98	0.00	0.00
211223_at	PROP1	PROP paired-lik	3.09	1.63	0.00	0.00
214941_s_at	PRPF40A	PRP40 pre-mRN	4.74	2.25	0.00	0.00
205402_x_at	PRSS2	protease, serine	6.90	2.79	0.00	0.00
202525_at	PRSS8	protease, serine	3.18	1.67	0.00	0.00
208102_s_at	PSD	pleckstrin and S	3.24	1.69	0.00	0.00
203354_s_at	PSD3	pleckstrin and S	0.31	-1.68	0.00	0.00
208257_x_at	PSG1	pregnancy speci	3.38	1.76	0.00	0.00
205602_x_at	PSG7	pregnancy speci	3.06	1.62	0.00	0.00
209337_at	PSIP1	PC4 and SFRS1	0.32	-1.65	0.00	0.00
204279_at	PSMB9	proteasome (pro	3.80	1.92	0.00	0.00
212220_at	PSME4	proteasome (pro	0.22	-2.16	0.00	0.00
220635_at	PSORS1C2	psoriasis suscep	4.03	2.01	0.00	0.00
205048_s_at	PSPH	phosphoserine p	0.10	-3.29	0.00	0.00
211661_x_at	PTAFR	platelet-activatin	3.22	1.69	0.00	0.00
219658_at	PTCD2	pentatricopeptid	0.24	-2.06	0.00	0.00
218967_s_at	PTER	phosphotriestera	0.11	-3.20	0.00	0.00
214391_x_at	PTGER1	prostaglandin E	9.24	3.21	0.00	0.00
207650_x_at	PTGER1	prostaglandin E	4.55	2.19	0.00	0.00
211909_x_at	PTGER3	prostaglandin E	0.27	-1.92	0.00	0.00
210374_x_at	PTGER3	prostaglandin E	0.23	-2.12	0.00	0.00
210832_x_at	PTGER3	prostaglandin E	0.22	-2.17	0.00	0.00
205911_at	PTH1R	parathyroid horr	0.20	-2.33	0.00	0.00
204201_s_at	PTPN13	protein tyrosine j	0.31	-1.69	0.00	0.00
211320_s_at	PTPRU	protein tyrosine j	4.62	2.21	0.00	0.00
218944_at	PYCRL	pyrroline-5-carbc	3.31	1.73	0.00	0.00
212263_at	QKI	quaking homolog	0.23	-2.10	0.00	0.00
201482_at	QSOX1	quiescin Q6 sulfl	3.51	1.81	0.00	0.00
214999_s_at	RAB11FIP3	RAB11 family int	0.17	-2.57	0.00	0.00
208733_at	RAB2A	RAB2A, member	0.18	-2.51	0.00	0.00
221014_s_at	RAB33B	RAB33B, memb	0.26	-1.93	0.00	0.00
217597_x_at	RAB40B	RAB40B, memb	3.17	1.66	0.00	0.00
213466_at	RAB40C	RAB40C, memb	5.55	2.47	0.00	0.00
204146_at	RAD51AP1	RAD51 associati	0.24	-2.09	0.00	0.00
209051_s_at	RALGDS	ral guanine nucle	6.42	2.68	0.00	0.00
210552_s_at	RALGPS1	Ral GEF with PT	0.26	-1.92	0.00	0.00
220338_at	RALGPS2	Ral GEF with PT	0.29	-1.81	0.00	0.00
202639_s_at	RANBP3	RAN binding pro	3.35	1.74	0.00	0.00
212125_at	RANGAP1	Ran GTPase act	3.85	1.94	0.00	0.00
215992_s_at	RAPGEF2	Rap guanine nuc	0.11	-3.14	0.00	0.00

219112_at	RAPGEF6	Rap guanine nuc	0.33	-1.59	0.00	0.00
204189_at	RARG	retinoic acid rece	3.59	1.85	0.00	0.00
214369_s_at	RASGRP2	RAS guanyl rele	0.21	-2.23	0.00	0.00
202034_x_at	RB1CC1	RB1-inducible cc	0.29	-1.79	0.00	0.00
219222_at	RBKS	ribokinase	3.96	1.99	0.00	0.00
205296_at	RBL1	retinoblastoma-li	0.27	-1.87	0.00	0.00
212331_at	RBL2	retinoblastoma-li	0.28	-1.86	0.00	0.00
51228_at	RBM12B	RNA binding mo	0.20	-2.30	0.00	0.00
219754_at	RBM41	RNA binding mo	0.24	-2.05	0.00	0.00
217856_at	RBM8A	RNA binding mo	0.32	-1.62	0.00	0.00
220201_at	RC3H2	ring finger and C	3.37	1.75	0.00	0.00
218352_at	RCBTB1	regulator of chro	0.18	-2.45	0.00	0.00
212612_at	RCOR1	REST corepress	0.33	-1.61	0.00	0.00
206753_at	RDH16	retinol dehydrog	9.13	3.19	0.00	0.00
212917_x_at	RECQL	RecQ protein-lik	0.30	-1.76	0.00	0.00
205205_at	RELB	v-rel reticuloendr	5.50	2.46	0.00	0.00
216834_at	RGS1	regulator of G-pr	7.26	2.86	0.00	0.00
204316_at	RGS10	regulator of G-pr	3.70	1.89	0.00	0.00
202388_at	RGS2	regulator of G-pr	0.26	-1.96	0.00	0.00
219554_at	RHCG	Rh family, C glyco	24.23	4.60	0.00	0.00
212651_at	RHOBTB1	Rho-related BTB	0.33	-1.59	0.00	0.00
202975_s_at	RHOBTB3	Rho-related BTB	0.30	-1.76	0.00	0.00
202976_s_at	RHOBTB3	Rho-related BTB	0.15	-2.71	0.00	0.00
31846_at	RHOD	ras homolog gene	5.21	2.38	0.00	0.00
214700_x_at	RIF1	RAP1 interactin	0.23	-2.10	0.00	0.00
218598_at	RINT1	RAD50 interacto	0.27	-1.87	0.00	0.00
218979_at	RMI1	RMI1, RecQ me	0.33	-1.62	0.00	0.00
213566_at	RNASE6	ribonuclease, RN	3.09	1.63	0.00	0.00
203022_at	RNASEH2A	ribonuclease H2	3.42	1.78	0.00	0.00
210056_at	RND1	Rho family GTPe	3.78	1.92	0.00	0.00
221063_x_at	RNF123	ring finger protei	4.20	2.07	0.00	0.00
207735_at	RNF125	ring finger protei	0.10	-3.33	0.00	0.00
220985_s_at	RNF170	ring finger protei	0.28	-1.87	0.00	0.00
218394_at	ROGDI	rogdi homolog (L	6.05	2.60	0.00	0.00
220436_at	RP11-138L21.1	similar to cell rec	0.23	-2.10	0.00	0.00
205191_at	RP2	retinitis pigment	0.10	-3.27	0.00	0.00
218499_at	RP6-213H19.1	serine/threonine	0.28	-1.81	0.00	0.00
218842_at	RPAP3	RNA polymerase	0.27	-1.87	0.00	0.00
213223_at	RPL28	ribosomal protei	4.86	2.28	0.00	0.00
219143_s_at	RPP25	ribonuclease P/l	3.42	1.77	0.00	0.00
213098_at	RQCD1	RCD1 required f	3.40	1.76	0.00	0.00
209773_s_at	RRM2	ribonucleotide re	5.16	2.37	0.00	0.01
218758_s_at	RRP1	ribosomal RNA p	3.66	1.87	0.00	0.00
214764_at	RRP15	ribosomal RNA p	0.25	-2.02	0.00	0.00
33307_at	RRP7A	ribosomal RNA p	3.31	1.73	0.00	0.00
204133_at	RRP9	ribosomal RNA p	4.01	2.01	0.00	0.00
218166_s_at	RSF1	remodeling and s	0.19	-2.38	0.00	0.00
219507_at	RSRC1	arginine/serine-r	0.29	-1.77	0.00	0.00

210222_s_at	RTN1	reticulon 1	0.22	-2.16	0.00	0.00
203485_at	RTN1	reticulon 1	0.20	-2.35	0.00	0.00
219684_at	RTP4	receptor (chemo	4.85	2.28	0.00	0.00
213430_at	RUFY3	RUN and FYVE	0.29	-1.81	0.00	0.00
213939_s_at	RUFY3	RUN and FYVE	0.26	-1.97	0.00	0.00
203724_s_at	RUFY3	RUN and FYVE	0.24	-2.05	0.00	0.00
215321_at	RUNDC3B	RUN domain cor	0.31	-1.69	0.00	0.00
209360_s_at	RUNX1	runt-related trans	10.47	3.39	0.00	0.00
213066_at	RUSC2	RUN and SH3 di	4.21	2.07	0.00	0.00
205863_at	S100A12	S100 calcium bir	4.49	2.17	0.01	0.02
205916_at	S100A7	S100 calcium bir	98.52	6.62	0.00	0.00
202917_s_at	S100A8	S100 calcium bir	156.56	7.29	0.00	0.00
214370_at	S100A8	S100 calcium bir	30.77	4.94	0.00	0.00
203535_at	S100A9	S100 calcium bir	432.94	8.76	0.00	0.00
204351_at	S100P	S100 calcium bir	22.94	4.52	0.00	0.00
204642_at	S1PR1	sphingosine-1-pl	0.30	-1.73	0.00	0.00
203280_at	SAFB2	scaffold attachm	3.80	1.93	0.00	0.00
218702_at	SARS2	seryl-tRNA synt	3.27	1.71	0.00	0.00
212417_at	SCAMP1	secretory carrier	0.25	-2.01	0.00	0.00
215754_at	SCARB2	scavenger recep	0.27	-1.89	0.00	0.00
200831_s_at	SCD	stearoyl-CoA de:	3.19	1.67	0.00	0.00
211708_s_at	SCD	stearoyl-CoA de:	3.13	1.64	0.00	0.00
215548_s_at	SCFD1	sec1 family dom	0.28	-1.83	0.00	0.00
215026_x_at	SCNN1A	sodium channel,	4.02	2.01	0.00	0.00
205241_at	SCO2	SCO cytochrome	4.17	2.06	0.00	0.00
219234_x_at	SCRN3	secernin 3	0.33	-1.60	0.00	0.00
205695_at	SDS	serine dehydrata	4.29	2.10	0.00	0.00
215209_at	SEC24D	SEC24 family, m	0.33	-1.62	0.00	0.00
202375_at	SEC24D	SEC24 family, m	0.31	-1.68	0.00	0.00
201915_at	SEC63	SEC63 homolog	0.31	-1.70	0.00	0.00
212450_at	SECISBP2L	SECIS binding p	0.32	-1.62	0.00	0.00
213716_s_at	SECTM1	secreted and tra	4.68	2.23	0.00	0.00
209880_s_at	SELPLG	selectin P ligand	4.02	2.01	0.00	0.00
205405_at	SEMA5A	sema domain, se	3.77	1.91	0.00	0.00
208100_x_at	SEMA6C	sema domain, tr	3.81	1.93	0.00	0.00
218122_s_at	SENP2	SUMO1/sentrin/	4.60	2.20	0.00	0.00
202319_at	SENP6	SUMO1/sentrin :	0.30	-1.72	0.00	0.00
214790_at	SENP6	SUMO1/sentrin :	0.11	-3.19	0.00	0.00
202376_at	SERPINA3	serpin peptidase	20.39	4.35	0.00	0.00
209719_x_at	SERPINB3	serpin peptidase	68.72	6.10	0.00	0.00
209720_s_at	SERPINB3	serpin peptidase	24.85	4.64	0.00	0.00
211906_s_at	SERPINB4	serpin peptidase	24.06	4.59	0.00	0.00
202628_s_at	SERPINE1	serpin peptidase	4.05	2.02	0.00	0.00
215038_s_at	SETD2	SET domain con	0.24	-2.06	0.00	0.00
216047_x_at	SEZ6L	seizure related 6	3.68	1.88	0.00	0.00
202036_s_at	SFRP1	secreted frizzled	4.30	2.11	0.00	0.01
202037_s_at	SFRP1	secreted frizzled	3.63	1.86	0.01	0.03
207468_s_at	SFRP5	secreted frizzled	3.94	1.98	0.00	0.00

208863_s_at	SFRS1	splicing factor, a	0.24	-2.03	0.00	0.00
217608_at	SFRS12IP1	SFRS12-interact	0.18	-2.47	0.00	0.00
222310_at	SFRS15	splicing factor, a	0.32	-1.63	0.00	0.00
214838_at	SFT2D2	SFT2 domain co	3.71	1.89	0.00	0.00
38691_s_at	SFTPC	surfactant protei	3.91	1.97	0.00	0.00
214387_x_at	SFTPC	surfactant protei	3.28	1.71	0.00	0.00
207302_at	SGCG	sarcoglycan, gar	0.21	-2.24	0.00	0.00
201739_at	SGK1	serum/glucocorti	3.50	1.81	0.00	0.00
215519_x_at	SGSM3	small G protein ε	3.03	1.60	0.00	0.00
205637_s_at	SH3GL3	SH3-domain GR	5.99	2.58	0.00	0.00
204657_s_at	SHB	Src homology 2	3.59	1.84	0.00	0.00
216537_s_at	SIGLEC7	sialic acid bindin	4.10	2.04	0.00	0.00
221705_s_at	SIKE1	suppressor of IK	0.24	-2.04	0.00	0.00
37831_at	SIPA1L3	signal-induced p	5.28	2.40	0.00	0.00
49327_at	SIRT3	sirtuin (silent ma	6.05	2.60	0.00	0.00
220047_at	SIRT4	sirtuin (silent ma	0.30	-1.75	0.00	0.00
219613_s_at	SIRT6	sirtuin (silent ma	3.79	1.92	0.00	0.00
210567_s_at	SKP2	S-phase kinase-	0.33	-1.60	0.00	0.00
218066_at	SLC12A7	solute carrier fan	3.70	1.89	0.00	0.00
205243_at	SLC13A3	solute carrier fan	4.61	2.21	0.00	0.00
210807_s_at	SLC16A7	solute carrier fan	0.27	-1.89	0.00	0.00
207057_at	SLC16A7	solute carrier fan	0.08	-3.73	0.00	0.00
209237_s_at	SLC23A2	solute carrier fan	3.17	1.67	0.00	0.00
204342_at	SLC25A24	solute carrier fan	0.29	-1.81	0.00	0.00
201918_at	SLC25A36	solute carrier fan	0.13	-2.97	0.00	0.00
219344_at	SLC29A3	solute carrier fan	5.35	2.42	0.00	0.00
201249_at	SLC2A1	solute carrier fan	3.99	2.00	0.00	0.00
202497_x_at	SLC2A3	solute carrier fan	0.31	-1.67	0.00	0.00
219991_at	SLC2A9	solute carrier fan	4.56	2.19	0.00	0.00
207035_at	SLC30A3	solute carrier fan	6.43	2.69	0.00	0.00
203971_at	SLC31A1	solute carrier fan	3.66	1.87	0.00	0.00
209865_at	SLC35A3	solute carrier fan	0.22	-2.17	0.00	0.00
220413_at	SLC39A2	solute carrier fan	6.12	2.61	0.00	0.00
219175_s_at	SLC41A3	solute carrier fan	3.79	1.92	0.00	0.00
222364_at	SLC44A1	solute carrier fan	0.27	-1.89	0.00	0.00
207771_at	SLC5A2	solute carrier fan	3.37	1.75	0.00	0.00
211123_at	SLC5A5	solute carrier fan	3.29	1.72	0.00	0.00
208494_at	SLC6A7	solute carrier fan	3.34	1.74	0.00	0.00
208015_at	SMAD1	SMAD family me	0.21	-2.27	0.00	0.00
202527_s_at	SMAD4	SMAD family me	0.33	-1.60	0.00	0.00
205187_at	SMAD5	SMAD family me	0.06	-4.03	0.00	0.00
206542_s_at	SMARCA2	SWI/SNF relatec	0.22	-2.21	0.00	0.00
208793_x_at	SMARCA4	SWI/SNF relatec	3.47	1.80	0.00	0.00
209257_s_at	SMC3	structural mainte	0.29	-1.77	0.00	0.00
209258_s_at	SMC3	structural mainte	0.28	-1.86	0.00	0.00
212579_at	SMCHD1	structural mainte	0.19	-2.38	0.00	0.00
220368_s_at	SMEK1	SMEK homolog	0.31	-1.70	0.00	0.00
222270_at	SMEK2	SMEK homolog :	0.15	-2.79	0.00	0.00

210057_at	SMG1	SMG1 homolog,	0.12	-3.10	0.00	0.00
219695_at	SMPD3	sphingomyelin p	7.00	2.81	0.00	0.00
213624_at	SMPDL3A	sphingomyelin p	0.28	-1.86	0.00	0.00
204104_at	SNAPC2	small nuclear RN	3.27	1.71	0.00	0.00
222286_at	SNAPC3	small nuclear RN	0.24	-2.04	0.00	0.00
53912_at	SNX11	sorting nexin 11	3.29	1.72	0.00	0.00
219793_at	SNX16	sorting nexin 16	0.18	-2.45	0.00	0.00
221498_at	SNX27	sorting nexin fam	0.29	-1.77	0.00	0.00
218087_s_at	SORBS1	sorbin and SH3 r	0.05	-4.26	0.00	0.00
202936_s_at	SOX9	SRY (sex determ	3.08	1.62	0.01	0.02
209748_at	SPAST	spastin	0.33	-1.60	0.00	0.00
204433_s_at	SPATA2	spermatogenesis	3.03	1.60	0.00	0.00
220298_s_at	SPATA6	spermatogenesis	0.19	-2.40	0.00	0.00
219583_s_at	SPATA7	spermatogenesis	0.18	-2.48	0.00	0.00
213442_x_at	SPDEF	SAM pointed do	7.95	2.99	0.00	0.00
213441_x_at	SPDEF	SAM pointed do	6.74	2.75	0.00	0.00
220192_x_at	SPDEF	SAM pointed do	5.88	2.56	0.00	0.00
214404_x_at	SPDEF	SAM pointed do	3.87	1.95	0.00	0.00
212526_at	SPG20	spastic parapleg	0.29	-1.80	0.00	0.00
217813_s_at	SPIN1	spindlin 1	0.16	-2.69	0.00	0.00
206239_s_at	SPINK1	serine peptidase	0.24	-2.07	0.00	0.00
206057_x_at	SPN	sialophorin	3.57	1.84	0.00	0.00
202523_s_at	SPOCK2	sparc/osteonecti	4.24	2.09	0.00	0.00
218638_s_at	SPON2	spondin 2, extrac	0.33	-1.62	0.01	0.02
203458_at	SPR	sepiapterin redu	4.23	2.08	0.00	0.00
214549_x_at	SPRR1A	small proline-ric	12.19	3.61	0.00	0.00
213796_at	SPRR1A	small proline-ric	8.30	3.05	0.00	0.01
214925_s_at	SPTAN1	spectrin, alpha, r	0.25	-2.00	0.00	0.00
220185_at	SPTBN4	spectrin, beta, n	4.13	2.05	0.00	0.00
38766_at	SRCAP	Snf2-related CRI	3.72	1.90	0.00	0.00
218800_at	SRD5A3	steroid 5 alpha-r	0.29	-1.79	0.00	0.00
201248_s_at	SREBF2	sterol regulatory	3.87	1.95	0.00	0.00
201859_at	SRGN	serglycin	5.07	2.34	0.00	0.00
202199_s_at	SRPK1	SFRS protein kir	3.02	1.59	0.00	0.00
202817_s_at	SS18	synovial sarcom	0.24	-2.06	0.00	0.00
201138_s_at	SSB	Sjogren syndrom	0.32	-1.63	0.00	0.00
219241_x_at	SSH3	slingshot homolc	3.94	1.98	0.00	0.00
209023_s_at	STAG2	stromal antigen ;	0.13	-3.00	0.00	0.00
208991_at	STAT3	signal transduce	3.36	1.75	0.00	0.00
41657_at	STK11	serine/threonine	5.74	2.52	0.00	0.00
211085_s_at	STK4	serine/threonine	0.26	-1.93	0.00	0.00
204701_s_at	STOML1	stomatin (EPB72	3.35	1.75	0.00	0.00
212800_at	STX6	syntaxin 6	0.26	-1.95	0.00	0.00
203457_at	STX7	syntaxin 7	0.29	-1.77	0.00	0.00
220030_at	STYK1	serine/threonine	3.19	1.67	0.01	0.02
219425_at	SULT4A1	sulfotransferase	3.90	1.96	0.00	0.00
201836_s_at	SUPT7L	suppressor of Ty	0.32	-1.66	0.00	0.00
219389_at	SUSD4	sushi domain co	9.79	3.29	0.00	0.00

209307_at	SWAP70	SWAP switching	0.31	-1.67	0.00	0.00
216272_x_at	SYDE1	synapse defectiv	3.73	1.90	0.00	0.00
209447_at	SYNE1	spectrin repeat c	0.20	-2.34	0.00	0.00
210612_s_at	SYNJ2	synaptojanin 2	0.31	-1.67	0.00	0.00
212730_at	SYNM	synemin, interme	0.31	-1.70	0.01	0.02
215865_at	SYT12	synaptotagmin X	8.49	3.09	0.00	0.00
206552_s_at	TAC1	tachykinin, precu	0.20	-2.33	0.00	0.00
214690_at	TAF1B	TATA box bindin	0.18	-2.47	0.00	0.00
221617_at	TAF9B	TAF9B RNA pol	0.16	-2.64	0.00	0.00
204769_s_at	TAP2	transporter 2, AT	5.62	2.49	0.00	0.00
221264_s_at	TARDBP	TAR DNA bindin	0.26	-1.96	0.00	0.00
213786_at	TAX1BP1	Tax1 (human T-c	0.32	-1.64	0.00	0.00
219682_s_at	TBX3	T-box 3	0.32	-1.65	0.00	0.00
212382_at	TCF4	transcription fact	0.32	-1.65	0.00	0.00
203753_at	TCF4	transcription fact	0.30	-1.72	0.00	0.00
222146_s_at	TCF4	transcription fact	0.30	-1.76	0.00	0.00
212387_at	TCF4	transcription fact	0.26	-1.96	0.00	0.00
212386_at	TCF4	transcription fact	0.26	-1.97	0.00	0.00
212762_s_at	TCF7L2	transcription fact	0.26	-1.96	0.00	0.00
205513_at	TCN1	transcobalamin I	13.59	3.77	0.00	0.00
208089_s_at	TDRD3	tudor domain coi	0.20	-2.33	0.00	0.00
213361_at	TDRD7	tudor domain coi	0.20	-2.30	0.00	0.00
212084_at	TEX261	testis expressed	3.83	1.94	0.00	0.00
204654_s_at	TFAP2A	transcription fact	0.14	-2.88	0.00	0.00
219735_s_at	TFCP2L1	transcription fact	3.52	1.81	0.00	0.00
208944_at	TGFBR2	transforming gro	0.22	-2.21	0.00	0.00
206008_at	TGM1	transglutaminase	5.99	2.58	0.00	0.00
219596_at	THAP10	THAP domain cc	0.29	-1.76	0.00	0.00
1316_at	THRA	thyroid hormone	0.31	-1.69	0.00	0.00
218408_at	TIMM10	translocase of in	3.28	1.71	0.00	0.00
201148_s_at	TIMP3	TIMP metallopro	7.71	2.95	0.00	0.00
203222_s_at	TLE1	transducin-like e	0.18	-2.51	0.00	0.00
216997_x_at	TLE4	transducin-like e	0.32	-1.64	0.00	0.00
204924_at	TLR2	toll-like receptor	3.54	1.82	0.00	0.00
213882_at	TM2D1	TM2 domain con	0.22	-2.21	0.00	0.00
209387_s_at	TM4SF1	transmembrane	3.03	1.60	0.01	0.02
219892_at	TM6SF1	transmembrane	0.27	-1.89	0.00	0.00
221096_s_at	TMCO6	transmembrane	3.34	1.74	0.00	0.00
218930_s_at	TMEM106B	transmembrane	0.29	-1.80	0.00	0.00
218834_s_at	TMEM132A	transmembrane	5.02	2.33	0.00	0.00
213272_s_at	TMEM159	transmembrane	0.23	-2.10	0.00	0.00
218745_x_at	TMEM161A	transmembrane	9.08	3.18	0.00	0.00
209656_s_at	TMEM47	transmembrane	0.30	-1.74	0.00	0.00
213024_at	TMF1	TATA element rr	0.26	-1.97	0.00	0.00
220800_s_at	TMOD3	tropomodulin 3 (	0.30	-1.73	0.00	0.00
218960_at	TMPRSS4	transmembrane	6.94	2.80	0.00	0.00
221032_s_at	TMPRSS5	transmembrane	6.95	2.80	0.00	0.00
214955_at	TMPRSS6	transmembrane	3.08	1.62	0.00	0.00

218368_s_at	TNFRSF12A	tumor necrosis fr	4.02	2.01	0.00	0.00
218856_at	TNFRSF21	tumor necrosis fr	7.55	2.92	0.00	0.00
218335_x_at	TNIP2	TNFAIP3 interac	3.40	1.77	0.00	0.00
206393_at	TNNI2	troponin I type 2	0.11	-3.24	0.00	0.00
206817_x_at	TNRC4	trinucleotide repr	4.59	2.20	0.00	0.00
213254_at	TNRC6B	trinucleotide repr	0.27	-1.90	0.00	0.00
217413_s_at	TNXB	tenascin XB	3.02	1.60	0.00	0.00
208609_s_at	TNXB	tenascin XB	0.32	-1.63	0.00	0.00
202807_s_at	TOM1	target of myb1 (c	3.87	1.95	0.00	0.00
214840_at	TOM1L2	target of myb1-lil	5.23	2.39	0.00	0.00
201691_s_at	TPD52	tumor protein D5	0.31	-1.69	0.00	0.00
203375_s_at	TPP2	tripeptidyl peptid	0.29	-1.79	0.00	0.00
215220_s_at	TPR	translocated pro	0.09	-3.54	0.00	0.00
210052_s_at	TPX2	TPX2, microtubu	3.65	1.87	0.00	0.00
221807_s_at	TRABD	TraB domain cor	3.97	1.99	0.00	0.00
209412_at	TRAPPC10	trafficking proteir	0.29	-1.81	0.00	0.00
56829_at	TRAPPC9	trafficking proteir	7.78	2.96	0.00	0.00
36742_at	TRIM15	tripartite motif-cc	3.92	1.97	0.00	0.00
213293_s_at	TRIM22	tripartite motif-cc	3.25	1.70	0.00	0.00
204732_s_at	TRIM23	tripartite motif-cc	0.19	-2.37	0.00	0.00
206911_at	TRIM25	tripartite motif-cc	4.01	2.00	0.00	0.00
212116_at	TRIM27	tripartite motif-cc	3.73	1.90	0.00	0.00
203610_s_at	TRIM38	tripartite motif-cc	4.50	2.17	0.00	0.00
210705_s_at	TRIM5	tripartite motif-cc	0.33	-1.59	0.00	0.00
221897_at	TRIM52	tripartite motif-cc	0.27	-1.90	0.00	0.00
208178_x_at	TRIO	triple functional c	0.30	-1.73	0.00	0.00
218877_s_at	TRMT11	tRNA methyltran	0.27	-1.90	0.00	0.00
205802_at	TRPC1	transient receptc	0.27	-1.88	0.00	0.00
205803_s_at	TRPC1	transient receptc	0.17	-2.59	0.00	0.00
206528_at	TRPC6	transient receptc	0.26	-1.94	0.00	0.00
217162_at	TSPY1	testis specific pr	3.50	1.81	0.00	0.00
213922_at	TTBK2	tau tubulin kinas	0.10	-3.31	0.00	0.00
219421_at	TTC33	tetratricopeptide	0.24	-2.08	0.00	0.00
213172_at	TTC9	tetratricopeptide	0.31	-1.71	0.00	0.00
216323_x_at	TUBA3D	tubulin, alpha 3d	3.18	1.67	0.00	0.00
214876_s_at	TUBGCP5	tubulin, gamma c	0.18	-2.51	0.00	0.00
203272_s_at	TUSC2	tumor suppressc	3.78	1.92	0.00	0.00
213943_at	TWIST1	twist homolog 1	0.24	-2.05	0.00	0.00
216609_at	TXN	thioredoxin	0.27	-1.90	0.00	0.00
209078_s_at	TXN2	thioredoxin 2	4.00	2.00	0.00	0.00
201266_at	TXNRD1	thioredoxin redu	3.57	1.84	0.00	0.00
59631_at	TXNRD3	thioredoxin redu	3.54	1.83	0.00	0.00
204858_s_at	TYMP	thymidine phosp	9.16	3.20	0.00	0.00
218382_s_at	U2AF2	U2 small nuclear	4.56	2.19	0.00	0.00
218837_s_at	UBE2D4	ubiquitin-conjuge	6.09	2.61	0.00	0.00
209041_s_at	UBE2G2	ubiquitin-conjuge	3.04	1.60	0.00	0.00
217799_x_at	UBE2H	ubiquitin-conjuge	3.38	1.76	0.00	0.00
211008_s_at	UBE2I	ubiquitin-conjuge	3.83	1.94	0.00	0.00

210685_s_at	UBE4B	ubiquitination fac	0.33	-1.62	0.00	0.00
221746_at	UBL4A	ubiquitin-like 4A	3.57	1.83	0.00	0.00
207253_s_at	UBN1	ubinnuclein 1	5.09	2.35	0.00	0.00
204598_at	UBOX5	U-box domain cc	3.17	1.66	0.00	0.00
215544_s_at	UBOX5	U-box domain cc	3.02	1.59	0.00	0.00
212840_at	UBXN7	UBX domain pro	0.30	-1.73	0.00	0.00
203343_at	UGDH	UDP-glucose de	0.31	-1.69	0.00	0.00
202330_s_at	UNG	uracil-DNA glycc	0.33	-1.61	0.00	0.00
215886_x_at	USP12	ubiquitin specific	0.26	-1.94	0.00	0.00
207213_s_at	USP2	ubiquitin specific	3.25	1.70	0.00	0.00
215013_s_at	USP34	ubiquitin specific	0.33	-1.62	0.00	0.00
212065_s_at	USP34	ubiquitin specific	0.16	-2.62	0.00	0.00
204761_at	USP6NL	USP6 N-termina	0.27	-1.91	0.00	0.00
205139_s_at	UST	uronyl-2-sulfotra	0.22	-2.21	0.00	0.00
202172_at	VEZF1	vascular endothe	0.33	-1.59	0.00	0.00
205946_at	VIPR2	vasoactive intest	6.12	2.61	0.00	0.00
220528_at	VNN3	vanin 3	5.61	2.49	0.00	0.00
204377_s_at	VPRBP	Vpr (HIV-1) bind	0.20	-2.29	0.00	0.00
218396_at	VPS13C	vacuolar protein	0.21	-2.24	0.00	0.00
203856_at	VRK1	vaccinia related	0.27	-1.89	0.00	0.00
202112_at	VWF	von Willebrand fi	4.82	2.27	0.00	0.00
218766_s_at	WARS2	tryptophanyl tRN	0.33	-1.61	0.00	0.00
205809_s_at	WASL	Wiskott-Aldrich s	0.30	-1.73	0.00	0.00
203827_at	WIPI1	WD repeat doma	0.32	-1.67	0.00	0.01
214699_x_at	WIPI2	WD repeat doma	3.04	1.60	0.00	0.00
205648_at	WNT2	wingless-type MI	0.25	-2.00	0.00	0.00
71933_at	WNT6	wingless-type MI	3.56	1.83	0.00	0.00
212637_s_at	WWP1	WW domain con	0.23	-2.15	0.00	0.00
218911_at	YEATS4	YEATS domain c	0.14	-2.89	0.00	0.00
209551_at	YIPF4	Yip1 domain farr	0.33	-1.60	0.00	0.00
221180_at	YSK4	YSK4 Sps1/Ste2	3.06	1.61	0.00	0.00
214814_at	YTHDC1	YTH domain con	0.12	-3.08	0.00	0.00
219836_at	ZBED2	zinc finger, BED-	5.15	2.36	0.00	0.01
205092_x_at	ZBTB1	zinc finger and B	0.29	-1.80	0.00	0.00
205883_at	ZBTB16	zinc finger and B	0.15	-2.72	0.00	0.00
220391_at	ZBTB3	zinc finger and B	0.18	-2.47	0.00	0.00
218810_at	ZC3H12A	zinc finger CCH	10.33	3.37	0.00	0.00
212419_at	ZCCHC24	zinc finger, CCH	4.46	2.16	0.00	0.00
221646_s_at	ZDHHC11	zinc finger, DHH	0.07	-3.85	0.00	0.00
219296_at	ZDHHC13	zinc finger, DHH	0.24	-2.08	0.00	0.00
207757_at	ZFP2	zinc finger protei	0.32	-1.64	0.00	0.00
214678_x_at	ZFX	zinc finger protei	0.19	-2.40	0.00	0.00
219929_s_at	ZFYVE21	zinc finger, FYVI	0.21	-2.24	0.00	0.00
214900_at	ZKSCAN1	zinc finger with k	0.30	-1.73	0.00	0.00
206652_at	ZMYM5	zinc finger, MYM	0.21	-2.25	0.00	0.00
219925_at	ZMYM6	zinc finger, MYM	0.22	-2.21	0.00	0.00
202137_s_at	ZMYND11	zinc finger, MYN	0.23	-2.11	0.00	0.00
209049_s_at	ZMYND8	zinc finger, MYN	0.27	-1.90	0.00	0.00

219571_s_at	ZNF12	zinc finger protei	0.28	-1.86	0.00	0.00
206928_at	ZNF124	zinc finger protei	0.33	-1.60	0.02	0.03
203319_s_at	ZNF148	zinc finger protei	0.30	-1.75	0.00	0.00
207417_s_at	ZNF177	zinc finger protei	0.28	-1.84	0.00	0.00
219495_s_at	ZNF180	zinc finger protei	0.31	-1.68	0.00	0.00
213452_at	ZNF184	zinc finger protei	0.29	-1.80	0.00	0.00
214823_at	ZNF204	zinc finger protei	0.12	-3.03	0.00	0.00
216983_s_at	ZNF224	zinc finger protei	0.13	-2.96	0.00	0.00
219171_s_at	ZNF236	zinc finger protei	0.20	-2.31	0.00	0.00
205917_at	ZNF264	zinc finger protei	0.31	-1.69	0.00	0.00
209989_at	ZNF268	zinc finger protei	0.30	-1.76	0.00	0.00
221213_s_at	ZNF280D	zinc finger protei	0.31	-1.67	0.00	0.00
212368_at	ZNF292	zinc finger protei	0.20	-2.35	0.00	0.00
222016_s_at	ZNF323	zinc finger protei	4.67	2.22	0.00	0.00
205182_s_at	ZNF324	zinc finger protei	3.39	1.76	0.00	0.00
213760_s_at	ZNF330	zinc finger protei	4.17	2.06	0.00	0.00
206448_at	ZNF365	zinc finger protei	3.22	1.69	0.00	0.00
215429_s_at	ZNF428	zinc finger protei	4.19	2.07	0.00	0.00
222136_x_at	ZNF43	zinc finger protei	0.25	-2.02	0.00	0.00
215892_at	ZNF440	zinc finger protei	0.23	-2.10	0.00	0.00
213124_at	ZNF473	zinc finger protei	4.74	2.25	0.00	0.00
204291_at	ZNF518A	zinc finger protei	0.21	-2.24	0.00	0.00
211721_s_at	ZNF551	zinc finger protei	0.19	-2.42	0.00	0.00
217627_at	ZNF573	zinc finger protei	0.14	-2.84	0.00	0.00
205594_at	ZNF652	zinc finger protei	0.15	-2.71	0.00	0.00
219239_s_at	ZNF654	zinc finger protei	0.29	-1.80	0.00	0.00
206180_x_at	ZNF747	zinc finger protei	5.73	2.52	0.00	0.00
213659_at	ZNF75D	zinc finger protei	0.28	-1.83	0.00	0.00
219781_s_at	ZNF771	zinc finger protei	8.26	3.05	0.00	0.00
214138_at	ZNF79	zinc finger protei	3.66	1.87	0.00	0.00
60794_f_at	ZNF814	zinc finger protei	0.33	-1.59	0.00	0.00
219050_s_at	ZNHIT2	zinc finger, HIT t	3.37	1.75	0.00	0.00
217593_at	ZSCAN18	zinc finger and S	0.28	-1.86	0.00	0.00
214580_x_at			133.48	7.06	0.00	0.00
210413_x_at			48.64	5.60	0.00	0.00
215504_x_at			13.33	3.74	0.00	0.00
216745_x_at			12.42	3.64	0.00	0.00
208539_x_at			11.00	3.46	0.00	0.00
218822_s_at			9.06	3.18	0.00	0.00
217619_x_at			8.37	3.06	0.00	0.00
222114_x_at			6.28	2.65	0.00	0.00
214463_x_at			5.96	2.58	0.00	0.00
216499_at			5.19	2.38	0.00	0.00
211691_x_at			5.08	2.35	0.00	0.00
216474_x_at			4.42	2.15	0.00	0.01
216535_at			4.28	2.10	0.00	0.00
217516_x_at			4.23	2.08	0.00	0.00
217055_x_at			4.15	2.05	0.00	0.00

217521_at	4.08	2.03	0.00	0.00
208580_x_at	3.72	1.89	0.00	0.00
216043_x_at	3.64	1.87	0.00	0.00
215353_at	3.63	1.86	0.00	0.00
216806_at	3.62	1.86	0.00	0.00
215372_x_at	3.57	1.83	0.00	0.00
205114_s_at	3.53	1.82	0.00	0.00
216694_at	3.53	1.82	0.00	0.00
216371_at	3.51	1.81	0.00	0.00
210474_s_at	3.49	1.80	0.00	0.00
216554_s_at	3.44	1.78	0.00	0.00
215261_at	3.44	1.78	0.00	0.00
206063_x_at	3.34	1.74	0.00	0.00
213690_s_at	3.29	1.72	0.00	0.00
215949_x_at	3.24	1.70	0.00	0.00
202632_at	3.19	1.68	0.00	0.00
216112_at	3.19	1.67	0.00	0.00
213448_at	3.18	1.67	0.00	0.00
215553_x_at	3.17	1.66	0.00	0.00
216138_at	3.11	1.64	0.00	0.00
216152_at	3.11	1.64	0.00	0.00
210070_s_at	3.10	1.63	0.00	0.00
216562_at	3.08	1.62	0.00	0.00
205144_at	3.07	1.62	0.00	0.00
221715_at	3.07	1.62	0.00	0.00
215489_x_at	3.05	1.61	0.00	0.00
216542_x_at	3.04	1.60	0.00	0.00
216473_x_at	3.03	1.60	0.00	0.00
222282_at	0.33	-1.59	0.00	0.00
212867_at	0.33	-1.60	0.00	0.00
213156_at	0.33	-1.60	0.00	0.00
206088_at	0.33	-1.61	0.00	0.00
217588_at	0.33	-1.60	0.00	0.00
215344_at	0.33	-1.61	0.00	0.00
215786_at	0.33	-1.62	0.00	0.00
216769_x_at	0.33	-1.62	0.00	0.00
219376_at	0.33	-1.62	0.00	0.00
212499_s_at	0.33	-1.62	0.00	0.00
213686_at	0.32	-1.63	0.00	0.00
206194_at	0.32	-1.63	0.00	0.00
210491_at	0.32	-1.66	0.00	0.00
215029_at	0.32	-1.65	0.00	0.00
222111_at	0.32	-1.66	0.00	0.00
215626_at	0.32	-1.66	0.00	0.00
216069_at	0.31	-1.67	0.00	0.00
31799_at	0.31	-1.67	0.00	0.00
216783_at	0.31	-1.70	0.00	0.00
216142_at	0.31	-1.71	0.00	0.00

215388_s_at	0.30	-1.74	0.01	0.03
215956_at	0.30	-1.76	0.00	0.00
213413_at	0.30	-1.76	0.00	0.01
215390_at	0.29	-1.77	0.00	0.00
217164_at	0.29	-1.79	0.00	0.00
215164_at	0.29	-1.80	0.00	0.00
214415_at	0.28	-1.82	0.00	0.00
214871_x_at	0.28	-1.83	0.00	0.00
217621_at	0.28	-1.83	0.00	0.00
215059_at	0.28	-1.84	0.00	0.00
212913_at	0.28	-1.85	0.00	0.00
220969_s_at	0.28	-1.86	0.00	0.00
214807_at	0.27	-1.89	0.00	0.00
216214_at	0.27	-1.92	0.00	0.00
216527_at	0.26	-1.92	0.00	0.00
203852_s_at	0.26	-1.93	0.00	0.00
222344_at	0.26	-1.93	0.00	0.00
222326_at	0.26	-1.95	0.00	0.00
217336_at	0.26	-1.96	0.00	0.00
222335_at	0.26	-1.96	0.00	0.00
208154_at	0.26	-1.97	0.00	0.00
215612_at	0.26	-1.97	0.00	0.00
217137_x_at	0.26	-1.97	0.00	0.00
209084_s_at	0.25	-1.98	0.00	0.00
222341_x_at	0.25	-1.99	0.00	0.00
215287_at	0.25	-2.00	0.00	0.00
221079_s_at	0.25	-2.00	0.00	0.00
208498_s_at	0.24	-2.04	0.00	0.00
215133_s_at	0.24	-2.06	0.00	0.00
214658_at	0.24	-2.08	0.00	0.00
217671_at	0.23	-2.09	0.00	0.00
220696_at	0.23	-2.10	0.00	0.00
217019_at	0.23	-2.12	0.00	0.00
216411_s_at	0.23	-2.15	0.00	0.00
216756_at	0.23	-2.15	0.00	0.00
216022_at	0.22	-2.17	0.00	0.00
215576_at	0.22	-2.20	0.00	0.00
215599_at	0.21	-2.26	0.00	0.00
217643_x_at	0.20	-2.30	0.00	0.00
216006_at	0.20	-2.32	0.00	0.00
222368_at	0.20	-2.31	0.00	0.00
215172_at	0.20	-2.33	0.00	0.00
216278_at	0.20	-2.35	0.00	0.00
215083_at	0.19	-2.37	0.00	0.00
216173_at	0.19	-2.39	0.00	0.00
222366_at	0.19	-2.39	0.00	0.00
215212_at	0.18	-2.48	0.00	0.00
220855_at	0.18	-2.50	0.00	0.00

215629_s_at	0.18	-2.50	0.00	0.00
215392_at	0.17	-2.57	0.00	0.00
217536_x_at	0.17	-2.58	0.00	0.00
217353_at	0.16	-2.62	0.00	0.00
215555_at	0.16	-2.67	0.00	0.00
220711_at	0.16	-2.67	0.00	0.00
215635_at	0.16	-2.68	0.00	0.00
213930_at	0.15	-2.71	0.00	0.00
222308_x_at	0.15	-2.73	0.00	0.00
215385_at	0.14	-2.85	0.00	0.00
216614_at	0.13	-2.94	0.00	0.00
205728_at	0.13	-2.99	0.00	0.00
222316_at	0.12	-3.08	0.00	0.00
213158_at	0.11	-3.15	0.00	0.00
220038_at	0.08	-3.71	0.00	0.00

Table S3. SCC in situ vs. normal epidermis (FCH>3.0 and FDR<0.05)
1042 up- and 1200 down-regulated probestes

Probe	Symbol	Description	FCH	lgFCH	P	fdr	fdr
219574_at		1-Mar membrane-asso	0.28		-1.83	0.00	0.00
201737_s_at		6-Mar membrane-asso	0.09		-3.50	0.00	0.00
217757_at	A2M	alpha-2-macrogli	10.04		3.33	0.00	0.00
219488_at	A4GALT	alpha 1,4-galact	3.37		1.75	0.00	0.00
201511_at	AAMP	angio-associat	3.19		1.68	0.00	0.00
214829_at	AASS	aminoadipate-se	0.27		-1.89	0.00	0.00
205986_at	AATK	apoptosis-assoc	3.58		1.84	0.00	0.00
209459_s_at	ABAT	4-aminobutyrate	0.31		-1.70	0.02	0.03
220159_at	ABCA11P	ATP-binding cas	0.19		-2.38	0.00	0.00
210082_at	ABCA4	ATP-binding cas	3.97		1.99	0.00	0.00
213353_at	ABCA5	ATP-binding cas	0.13		-2.99	0.00	0.00
208161_s_at	ABCC3	ATP-binding cas	0.24		-2.04	0.00	0.00
203196_at	ABCC4	ATP-binding cas	0.14		-2.87	0.00	0.00
209247_s_at	ABCF2	ATP-binding cas	3.59		1.84	0.00	0.00
207623_at	ABCF2	ATP-binding cas	0.19		-2.41	0.00	0.00
205566_at	ABHD2	abhydrolase don	3.87		1.95	0.00	0.00
221679_s_at	ABHD6	abhydrolase don	0.29		-1.80	0.00	0.00
209856_x_at	ABI2	abl-interactor 2	3.05		1.61	0.00	0.00
202025_x_at	ACAA1	acetyl-Coenzym	4.03		2.01	0.00	0.00
221928_at	ACACB	acetyl-Coenzym	0.33		-1.59	0.00	0.00
43427_at	ACACB	acetyl-Coenzym	0.27		-1.88	0.00	0.00
49452_at	ACACB	acetyl-Coenzym	0.20		-2.34	0.00	0.00
206069_s_at	ACADL	acyl-Coenzyme ,	0.17		-2.58	0.00	0.00
206068_s_at	ACADL	acyl-Coenzyme ,	0.04		-4.64	0.00	0.00
205355_at	ACADSB	acyl-Coenzyme ,	0.23		-2.15	0.00	0.00
212476_at	ACAP2	ArfGAP with coil	0.29		-1.79	0.00	0.00
202323_s_at	ACBD3	acyl-Coenzyme ,	0.21		-2.23	0.00	0.00
210337_s_at	ACLY	ATP citrate lyase	4.71		2.23	0.00	0.00
200793_s_at	ACO2	aconitase 2, mitc	3.25		1.70	0.00	0.00
214763_at	ACOT11	acyl-CoA thioest	7.60		2.93	0.00	0.00
215227_x_at	ACP1	acid phosphatas	3.27		1.71	0.00	0.00
201661_s_at	ACSL3	acyl-CoA synthe	0.21		-2.27	0.00	0.00
202422_s_at	ACSL4	acyl-CoA synthe	0.20		-2.30	0.00	0.00
208636_at	ACTN1	actinin, alpha 1	8.31		3.05	0.00	0.00
208637_x_at	ACTN1	actinin, alpha 1	7.00		2.81	0.00	0.00
211160_x_at	ACTN1	actinin, alpha 1	5.53		2.47	0.00	0.00
205209_at	ACVR1B	activin A recepto	0.22		-2.18	0.00	0.00
202604_x_at	ADAM10	ADAM metallope	3.59		1.85	0.00	0.00
206046_at	ADAM23	ADAM metallope	10.32		3.37	0.00	0.00
205997_at	ADAM28	ADAM metallope	0.33		-1.61	0.00	0.00
208268_at	ADAM28	ADAM metallope	0.28		-1.86	0.00	0.00

220208_at	ADAMTS13	ADAM metallope	4.00	2.00	0.00	0.00
90265_at	ADAP1	ArfGAP with dua	3.48	1.80	0.00	0.00
204498_s_at	ADCY9	adenylate cyclas	4.14	2.05	0.00	0.00
201034_at	ADD3	adducin 3 (gamn	0.20	-2.36	0.00	0.00
201753_s_at	ADD3	adducin 3 (gamn	0.18	-2.49	0.00	0.00
201752_s_at	ADD3	adducin 3 (gamn	0.11	-3.20	0.00	0.00
205882_x_at	ADD3	adducin 3 (gamn	0.10	-3.27	0.00	0.00
209614_at	ADH1B	alcohol dehydroç	0.31	-1.68	0.00	0.00
204120_s_at	ADK	adenosine kinas	0.26	-1.92	0.00	0.00
220538_at	ADM2	adrenomedullin :	4.52	2.18	0.00	0.00
206170_at	ADRB2	adrenergic, beta	0.30	-1.75	0.00	0.00
38447_at	ADRBK1	adrenergic, beta	10.06	3.33	0.00	0.00
201402_at	ADRBK1	adrenergic, beta	8.63	3.11	0.00	0.00
201792_at	AEBP1	AE binding prote	3.83	1.94	0.00	0.00
201924_at	AFF1	AF4/FMR2 famil	0.28	-1.84	0.00	0.00
210710_at	AGGF1	angiogenic facto	3.46	1.79	0.00	0.00
208042_at	AGGF1	angiogenic facto	0.26	-1.96	0.00	0.00
200903_s_at	AHCY	adenosylhomocy	4.01	2.00	0.00	0.00
220016_at	AHNAK	AHNAK nucleop	0.23	-2.11	0.00	0.00
222024_s_at	AKAP13	A kinase (PRKA,	0.28	-1.83	0.00	0.00
205771_s_at	AKAP7	A kinase (PRKA,	0.22	-2.21	0.00	0.00
215741_x_at	AKAP8L	A kinase (PRKA,	4.44	2.15	0.00	0.00
215483_at	AKAP9	A kinase (PRKA,	0.17	-2.59	0.00	0.00
206561_s_at	AKR1B10	aldo-keto reduct:	11.41	3.51	0.00	0.00
201951_at	ALCAM	activated leukoc	0.12	-3.03	0.00	0.00
202054_s_at	ALDH3A2	aldehyde dehydr	0.31	-1.70	0.00	0.00
211552_s_at	ALDH4A1	aldehyde dehydr	5.28	2.40	0.00	0.00
213591_at	ALDH7A1	aldehyde dehydr	0.32	-1.64	0.00	0.00
218444_at	ALG12	asparagine-linke	3.48	1.80	0.00	0.00
205583_s_at	ALG13	asparagine-linke	0.32	-1.67	0.00	0.00
205584_at	ALG13	asparagine-linke	0.24	-2.07	0.00	0.00
214707_x_at	ALMS1	Alstrom syndrorr	0.31	-1.69	0.00	0.00
204446_s_at	ALOX5	arachidonate 5-li	0.23	-2.15	0.00	0.00
222383_s_at	ALOXE3	arachidonate lipc	0.22	-2.19	0.00	0.00
202204_s_at	AMFR	autocrine motility	6.20	2.63	0.00	0.00
222108_at	AMIGO2	adhesion molecu	6.21	2.64	0.00	0.00
203002_at	AMOTL2	angiomotin like 2	0.23	-2.14	0.00	0.00
218555_at	ANAPC2	anaphase promc	0.28	-1.85	0.00	0.00
205141_at	ANG	angiogenin, ribor	0.17	-2.57	0.00	0.00
221826_at	ANGEL2	angel homolog 2	0.29	-1.81	0.00	0.00
221009_s_at	ANGPTL4	angiopoietin-like	4.00	2.00	0.00	0.00
220076_at	ANKH	ankylosis, progre	0.31	-1.68	0.00	0.00
218769_s_at	ANKRA2	ankyrin repeat, fi	0.28	-1.85	0.00	0.00
218093_s_at	ANKRD10	ankyrin repeat di	0.21	-2.27	0.00	0.00
216550_x_at	ANKRD12	ankyrin repeat di	0.24	-2.04	0.00	0.00
214723_x_at	ANKRD36	ankyrin repeat di	0.08	-3.62	0.00	0.00
220940_at	ANKRD36B	ankyrin repeat di	0.24	-2.07	0.00	0.00
212731_at	ANKRD46	ankyrin repeat di	0.26	-1.95	0.00	0.00

218804_at	ANO1	anoctamin 1, cal	0.13	-2.91	0.00	0.00
209369_at	ANXA3	annexin A3	7.83	2.97	0.00	0.00
218261_at	AP1M2	adaptor-related f	3.22	1.69	0.00	0.00
200615_s_at	AP2B1	adaptor-related f	5.74	2.52	0.00	0.00
200613_at	AP2M1	adaptor-related f	3.43	1.78	0.00	0.00
204859_s_at	APAF1	apoptotic peptid	0.30	-1.75	0.00	0.00
209870_s_at	APBA2	amyloid beta (A4	4.50	2.17	0.00	0.00
214960_at	API5	apoptosis inhibi	3.01	1.59	0.01	0.01
211404_s_at	APLP2	amyloid beta (A4	4.54	2.18	0.00	0.00
208702_x_at	APLP2	amyloid beta (A4	3.07	1.62	0.00	0.00
210873_x_at	APOBEC3A	apolipoprotein B	7.43	2.89	0.00	0.00
215579_at	APOBEC3G	apolipoprotein B	3.83	1.94	0.00	0.00
212884_x_at	APOE	apolipoprotein E	0.30	-1.76	0.00	0.00
203381_s_at	APOE	apolipoprotein E	0.28	-1.85	0.00	0.00
203382_s_at	APOE	apolipoprotein E	0.21	-2.23	0.00	0.00
209546_s_at	APOL1	apolipoprotein L	3.09	1.63	0.00	0.00
219716_at	APOL6	apolipoprotein L	5.74	2.52	0.00	0.00
221620_s_at	APOO	apolipoprotein O	3.80	1.93	0.00	0.00
214953_s_at	APP	amyloid beta (A4	3.54	1.82	0.00	0.00
218218_at	APPL2	adaptor protein,	0.15	-2.75	0.00	0.00
214102_at	ARAP2	ArfGAP with Rho	0.32	-1.64	0.00	0.00
205239_at	AREG	amphiregulin	12.19	3.61	0.00	0.00
202955_s_at	ARFGEF1	ADP-ribosylation	3.79	1.92	0.00	0.00
218098_at	ARFGEF2	ADP-ribosylation	0.33	-1.61	0.00	0.00
203946_s_at	ARG2	arginase, type II	3.22	1.69	0.01	0.01
218067_s_at	ARGLU1	arginine and glut	0.22	-2.20	0.00	0.00
207606_s_at	ARHGAP12	Rho GTPase act	0.33	-1.60	0.00	0.00
206298_at	ARHGAP22	Rho GTPase act	4.06	2.02	0.00	0.00
204882_at	ARHGAP25	Rho GTPase act	3.45	1.79	0.00	0.00
217936_at	ARHGAP5	Rho GTPase act	0.32	-1.64	0.00	0.00
201333_s_at	ARHGEF12	Rho guanine nuc	3.69	1.89	0.00	0.00
201335_s_at	ARHGEF12	Rho guanine nuc	0.31	-1.70	0.00	0.00
218964_at	ARID3B	AT rich interactiv	3.78	1.92	0.00	0.00
221230_s_at	ARID4B	AT rich interactiv	0.31	-1.70	0.00	0.00
201228_s_at	ARIH2	ariadne homolog	3.09	1.63	0.00	0.00
220468_at	ARL14	ADP-ribosylation	3.05	1.61	0.01	0.01
202092_s_at	ARL2BP	ADP-ribosylation	3.85	1.95	0.00	0.00
219094_at	ARMC8	armadillo repeat	0.33	-1.59	0.00	0.00
218694_at	ARMCX1	armadillo repeat	0.26	-1.97	0.00	0.00
217858_s_at	ARMCX3	armadillo repeat	0.26	-1.94	0.00	0.00
210971_s_at	ARNTL	aryl hydrocarbon	0.23	-2.12	0.00	0.00
220658_s_at	ARNTL2	aryl hydrocarbon	4.69	2.23	0.00	0.00
201954_at	ARPC1B	actin related pro	6.34	2.66	0.00	0.00
217818_s_at	ARPC4	actin related pro	3.22	1.69	0.00	0.00
205784_x_at	ARVCF	armadillo repeat	3.11	1.64	0.00	0.00
203427_at	ASF1A	ASF1 anti-silenc	0.17	-2.54	0.00	0.00
218115_at	ASF1B	ASF1 anti-silenc	3.66	1.87	0.00	0.00
209517_s_at	ASH2L	ash2 (absent, sn	3.14	1.65	0.00	0.00

206030_at	ASPA	aspartoacylase (	0.22	-2.19	0.00	0.00
209135_at	ASPH	aspartate beta-h	0.25	-1.99	0.00	0.00
219087_at	ASPN	asporin	0.14	-2.86	0.00	0.00
213387_at	ATAD2B	ATPase family, /	0.32	-1.65	0.00	0.00
219068_x_at	ATAD3A	ATPase family, /	3.87	1.95	0.00	0.00
203168_at	ATF6B	activating transc	3.45	1.79	0.00	0.00
216197_at	ATF7IP	activating transc	0.32	-1.65	0.00	0.00
204833_at	ATG12	ATG12 autophag	3.03	1.60	0.00	0.00
219164_s_at	ATG2B	ATG2 autophagy	0.25	-1.98	0.00	0.00
40489_at	ATN1	atrophin 1	6.42	2.68	0.00	0.00
203454_s_at	ATOX1	ATX1 antioxidant	4.00	2.00	0.00	0.00
214070_s_at	ATP10B	ATPase, class V	3.12	1.64	0.00	0.00
213582_at	ATP11A	ATPase, class V	0.16	-2.61	0.00	0.00
207367_at	ATP12A	ATPase, H+/K+ i	7.63	2.93	0.00	0.00
212297_at	ATP13A3	ATPase type 13/	0.33	-1.59	0.00	0.00
215716_s_at	ATP2B1	ATPase, Ca++ tr	0.24	-2.06	0.00	0.00
212930_at	ATP2B1	ATPase, Ca++ tr	0.14	-2.86	0.00	0.00
212041_at	ATP6V0D1	ATPase, H+ tran	3.02	1.60	0.00	0.00
200096_s_at	ATP6V0E1	ATPase, H+ tran	3.25	1.70	0.00	0.00
205198_s_at	ATP7A	ATPase, Cu++ tr	0.30	-1.76	0.00	0.00
213106_at	ATP8A1	ATPase, aminop	0.08	-3.65	0.00	0.00
212062_at	ATP9A	ATPase, class II	3.18	1.67	0.00	0.00
214010_s_at	ATP9B	ATPase, class II	3.46	1.79	0.00	0.00
204516_at	ATXN7	ataxin 7	0.24	-2.07	0.00	0.00
209964_s_at	ATXN7	ataxin 7	0.23	-2.14	0.00	0.00
205539_at	AVIL	advillin	0.21	-2.29	0.00	0.00
208260_at	AVPR1B	arginine vasopre	7.92	2.99	0.00	0.00
209309_at	AZGP1	alpha-2-glycoprc	0.18	-2.47	0.00	0.01
204856_at	B3GNT3	UDP-GlcNAc:be	3.57	1.84	0.00	0.00
221484_at	B4GALT5	UDP-Gal:betaGl	3.69	1.88	0.00	0.00
209364_at	BAD	BCL2-associated	3.11	1.64	0.00	0.00
202984_s_at	BAG5	BCL2-associated	0.22	-2.19	0.00	0.00
205294_at	BAIAP2	BAI1-associated	0.28	-1.85	0.00	0.00
205345_at	BARD1	BRCA1 associat	0.21	-2.24	0.00	0.00
202391_at	BASP1	brain abundant, i	4.45	2.15	0.00	0.00
200041_s_at	BAT1	HLA-B associate	0.28	-1.83	0.00	0.00
212384_at	BAT1	HLA-B associate	0.24	-2.07	0.00	0.00
201355_s_at	BAZ2A	bromodomain ac	3.11	1.64	0.00	0.00
219487_at	BBS10	Bardet-Biedl syn	0.33	-1.61	0.00	0.00
209958_s_at	BBS9	Bardet-Biedl syn	3.73	1.90	0.00	0.00
91920_at	BCAN	brevican	6.15	2.62	0.00	0.00
204032_at	BCAR3	breast cancer an	0.26	-1.94	0.00	0.00
203685_at	BCL2	B-cell CLL/lymph	0.29	-1.78	0.00	0.00
215990_s_at	BCL6	B-cell CLL/lymph	0.15	-2.75	0.00	0.00
204129_at	BCL9	B-cell CLL/lymph	3.57	1.83	0.00	0.00
217223_s_at	BCR	breakpoint cluste	4.46	2.16	0.00	0.00
202315_s_at	BCR	breakpoint cluste	3.63	1.86	0.00	0.00
211725_s_at	BID	BH3 interacting c	3.73	1.90	0.00	0.00

204493_at	BID	BH3 interacting c	3.01	1.59	0.00	0.00
214439_x_at	BIN1	bridging integrati	6.90	2.79	0.00	0.00
202931_x_at	BIN1	bridging integrati	4.45	2.15	0.00	0.00
219191_s_at	BIN2	bridging integrati	4.50	2.17	0.00	0.00
210538_s_at	BIRC3	baculoviral IAP r	0.21	-2.25	0.00	0.00
210334_x_at	BIRC5	baculoviral IAP r	3.27	1.71	0.00	0.00
206725_x_at	BMP1	bone morphoger	3.81	1.93	0.00	0.00
205290_s_at	BMP2	bone morphoger	0.33	-1.62	0.01	0.02
205289_at	BMP2	bone morphoger	0.16	-2.69	0.00	0.00
220203_at	BMP8A	bone morphoger	8.46	3.08	0.00	0.00
201848_s_at	BNIP3	BCL2/adenoviru:	3.32	1.73	0.00	0.00
206044_s_at	BRAF	v-raf murine sarc	4.46	2.16	0.00	0.00
204520_x_at	BRD1	bromodomain cc	0.29	-1.80	0.00	0.00
215460_x_at	BRD1	bromodomain cc	0.27	-1.91	0.00	0.00
205550_s_at	BRE	brain and reprod	3.36	1.75	0.00	0.00
219280_at	BRWD1	bromodomain ar	0.31	-1.71	0.00	0.00
218090_s_at	BRWD2	bromodomain ar	0.26	-1.93	0.00	0.00
201641_at	BST2	bone marrow str	12.12	3.60	0.00	0.00
209430_at	BTAF1	BTAF1 RNA poly	0.25	-2.02	0.00	0.00
207326_at	BTC	betacellulin	0.04	-4.57	0.00	0.00
215425_at	BTG3	BTG family, men	0.31	-1.70	0.00	0.00
38241_at	BTN3A3	butyrophilin, sub	0.23	-2.13	0.00	0.00
204901_at	BTRC	beta-transducin i	4.15	2.05	0.00	0.00
218299_at	C11orf24	chromosome 11	6.58	2.72	0.00	0.00
52164_at	C11orf24	chromosome 11	3.33	1.74	0.00	0.00
204218_at	C11orf51	chromosome 11	4.57	2.19	0.00	0.00
221208_s_at	C11orf61	chromosome 11	0.17	-2.60	0.00	0.00
220141_at	C11orf63	chromosome 11	0.23	-2.13	0.00	0.00
221599_at	C11orf67	chromosome 11	0.28	-1.86	0.00	0.00
64432_at	C12orf47	chromosome 12	0.13	-2.99	0.00	0.00
218867_s_at	C12orf49	chromosome 12	3.75	1.91	0.00	0.00
219099_at	C12orf5	chromosome 12	4.59	2.20	0.00	0.00
221777_at	C12orf52	chromosome 12	3.65	1.87	0.00	0.00
219166_at	C14orf104	chromosome 14	0.30	-1.75	0.00	0.00
206500_s_at	C14orf106	chromosome 14	0.18	-2.50	0.00	0.00
218820_at	C14orf132	chromosome 14	0.31	-1.71	0.00	0.00
218791_s_at	C15orf29	chromosome 15	0.32	-1.65	0.00	0.00
208109_s_at	C15orf5	chromosome 15	0.26	-1.93	0.00	0.00
219556_at	C16orf59	chromosome 16	4.49	2.17	0.00	0.00
203830_at	C17orf75	chromosome 17	0.26	-1.94	0.00	0.00
217539_at	C18orf25	chromosome 18	0.29	-1.79	0.00	0.00
222266_at	C19orf2	chromosome 19	0.25	-1.98	0.00	0.00
212925_at	C19orf21	chromosome 19	7.58	2.92	0.00	0.00
55705_at	C19orf22	chromosome 19	3.72	1.89	0.00	0.00
200076_s_at	C19orf50	chromosome 19	3.20	1.68	0.00	0.00
206901_at	C19orf57	chromosome 19	4.24	2.09	0.00	0.00
218429_s_at	C19orf66	chromosome 19	3.06	1.61	0.00	0.00
219856_at	C1orf116	chromosome 1 c	3.21	1.68	0.00	0.00

212003_at	C1orf144	chromosome 1 c	4.87	2.29	0.00	0.00
212004_at	C1orf144	chromosome 1 c	3.85	1.95	0.00	0.00
210711_at	C1orf217	chromosome 1 c	0.19	-2.40	0.00	0.00
220992_s_at	C1orf25	chromosome 1 c	0.30	-1.74	0.00	0.00
209006_s_at	C1orf63	chromosome 1 c	0.22	-2.18	0.00	0.00
202953_at	C1QB	complement con	3.09	1.63	0.00	0.00
212067_s_at	C1R	complement con	7.07	2.82	0.00	0.00
218983_at	C1RL	complement con	0.21	-2.26	0.00	0.00
208747_s_at	C1S	complement con	7.88	2.98	0.00	0.00
219961_s_at	C20orf19	chromosome 20	3.73	1.90	0.00	0.00
221211_s_at	C21orf7	chromosome 21	0.29	-1.78	0.00	0.00
220681_at	C22orf26	chromosome 22	3.50	1.81	0.00	0.00
219560_at	C22orf29	chromosome 22	4.22	2.08	0.00	0.00
220149_at	C2orf54	chromosome 2 c	0.16	-2.66	0.00	0.00
220943_s_at	C2orf56	chromosome 2 c	0.24	-2.08	0.00	0.00
215046_at	C2orf67	chromosome 2 c	0.17	-2.55	0.00	0.00
65472_at	C2orf68	chromosome 2 c	0.31	-1.68	0.00	0.00
209906_at	C3AR1	complement con	3.06	1.61	0.00	0.00
219474_at	C3orf52	chromosome 3 c	0.31	-1.68	0.00	0.00
219023_at	C4orf16	chromosome 4 c	0.18	-2.46	0.00	0.00
218513_at	C4orf43	chromosome 4 c	0.17	-2.56	0.00	0.00
205500_at	C5	complement con	0.16	-2.64	0.00	0.00
201310_s_at	C5orf13	chromosome 5 c	4.53	2.18	0.00	0.00
221823_at	C5orf30	chromosome 5 c	0.28	-1.86	0.00	0.00
48030_i_at	C5orf4	chromosome 5 c	12.89	3.69	0.00	0.00
218674_at	C5orf44	chromosome 5 c	0.30	-1.75	0.00	0.00
217924_at	C6orf106	chromosome 6 c	4.58	2.20	0.00	0.00
210409_at	C6orf124	chromosome 6 c	0.32	-1.64	0.00	0.00
221100_at	C6orf15	chromosome 6 c	3.18	1.67	0.00	0.00
218195_at	C6orf211	chromosome 6 c	0.25	-2.00	0.00	0.00
220755_s_at	C6orf48	chromosome 6 c	3.82	1.93	0.00	0.00
215024_at	C7orf28B	chromosome 7 c	0.23	-2.11	0.00	0.00
206497_at	C7orf44	chromosome 7 c	0.30	-1.73	0.00	0.00
209446_s_at	C7orf44	chromosome 7 c	0.28	-1.84	0.00	0.00
220949_s_at	C7orf49	chromosome 7 c	3.20	1.68	0.00	0.00
221596_s_at	C7orf64	chromosome 7 c	0.20	-2.33	0.00	0.00
221629_x_at	C8orf30A	chromosome 8 c	3.77	1.92	0.00	0.00
204865_at	CA3	carbonic anhydr	0.21	-2.28	0.00	0.00
211592_s_at	CACNA1C	calcium channel,	0.26	-1.93	0.00	0.00
211802_x_at	CACNA1G	calcium channel,	4.24	2.08	0.00	0.00
207869_s_at	CACNA1G	calcium channel,	0.32	-1.66	0.00	0.00
209530_at	CACNB3	calcium channel,	3.03	1.60	0.00	0.00
62987_r_at	CACNG4	calcium channel,	23.85	4.58	0.00	0.00
209031_at	CADM1	cell adhesion mc	0.19	-2.37	0.00	0.00
200622_x_at	CALM3	calmodulin 3 (ph	4.55	2.19	0.00	0.00
210020_x_at	CALML3	calmodulin-like 3	4.06	2.02	0.00	0.00
64408_s_at	CALML4	calmodulin-like 4	0.27	-1.90	0.00	0.00
200757_s_at	CALU	calumenin	5.23	2.39	0.00	0.00

200755_s_at	CALU	calumenin	3.81	1.93	0.00	0.00
34846_at	CAMK2B	calcium/calmodu	3.80	1.93	0.00	0.00
208683_at	CAPN2	calpain 2, (m/II) I	5.85	2.55	0.00	0.00
200001_at	CAPNS1	calpain, small su	6.20	2.63	0.00	0.00
204950_at	CARD8	caspase recruitr	0.28	-1.82	0.00	0.00
218384_at	CARHSP1	calcium regulate	4.65	2.22	0.00	0.00
61297_at	CASKIN2	CASK interactinç	0.28	-1.85	0.00	0.00
215573_at	CAT	catalase	0.31	-1.67	0.00	0.00
208204_s_at	CAV3	caveolin 3	3.35	1.75	0.00	0.00
213626_at	CBR4	carbonyl reducta	0.17	-2.55	0.00	0.00
219611_s_at	CCDC21	coiled-coil doma	3.29	1.72	0.00	0.00
219644_at	CCDC41	coiled-coil doma	0.18	-2.50	0.00	0.00
218175_at	CCDC92	coiled-coil doma	4.20	2.07	0.00	0.00
209689_at	CCDC93	coiled-coil doma	0.26	-1.94	0.00	0.00
205476_at	CCL20	chemokine (C-C	6.79	2.76	0.00	0.00
204606_at	CCL21	chemokine (C-C	0.32	-1.65	0.01	0.03
207955_at	CCL27	chemokine (C-C	0.02	-5.60	0.00	0.00
208712_at	CCND1	cyclin D1	0.20	-2.31	0.00	0.00
208711_s_at	CCND1	cyclin D1	0.16	-2.67	0.00	0.00
200951_s_at	CCND2	cyclin D2	4.30	2.10	0.00	0.00
204645_at	CCNT2	cyclin T2	0.27	-1.91	0.00	0.00
222156_x_at	CCPG1	cell cycle progre	0.25	-1.98	0.00	0.00
221156_x_at	CCPG1	cell cycle progre	0.23	-2.10	0.00	0.00
206983_at	CCR6	chemokine (C-C	0.31	-1.71	0.00	0.00
201743_at	CD14	CD14 molecule	4.28	2.10	0.00	0.00
204306_s_at	CD151	CD151 molecule	3.29	1.72	0.00	0.00
208653_s_at	CD164	CD164 molecule	6.06	2.60	0.00	0.00
219669_at	CD177	CD177 molecule	5.14	2.36	0.00	0.00
220428_at	CD207	CD207 molecule	0.21	-2.23	0.00	0.00
209772_s_at	CD24	CD24 molecule	15.63	3.97	0.00	0.00
209771_x_at	CD24	CD24 molecule	5.77	2.53	0.00	0.00
216379_x_at	CD24	CD24 molecule	5.18	2.37	0.01	0.01
208651_x_at	CD24	CD24 molecule	4.58	2.19	0.00	0.00
208650_s_at	CD24	CD24 molecule	3.74	1.91	0.02	0.03
219025_at	CD248	CD248 molecule	3.48	1.80	0.00	0.00
203799_at	CD302	CD302 molecule	0.17	-2.54	0.00	0.00
206488_s_at	CD36	CD36 molecule (	12.44	3.64	0.00	0.00
209555_s_at	CD36	CD36 molecule (	7.52	2.91	0.00	0.00
35150_at	CD40	CD40 molecule,	6.79	2.76	0.00	0.00
222292_at	CD40	CD40 molecule,	0.12	-3.07	0.00	0.00
217523_at	CD44	CD44 molecule (	0.21	-2.25	0.00	0.00
211075_s_at	CD47	CD47 molecule	5.53	2.47	0.00	0.00
222061_at	CD58	CD58 molecule	0.13	-2.97	0.00	0.00
200983_x_at	CD59	CD59 molecule,	4.56	2.19	0.00	0.00
215332_s_at	CD8B	CD8b molecule	0.33	-1.60	0.00	0.00
205627_at	CDA	cytidine deamina	4.82	2.27	0.00	0.00
205288_at	CDC14A	CDC14 cell divis	0.22	-2.22	0.00	0.00
210742_at	CDC14A	CDC14 cell divis	0.16	-2.66	0.00	0.00

211347_at	CDC14B	CDC14 cell divis	0.27	-1.90	0.00	0.00
203213_at	CDC2	cell division cycl	0.29	-1.81	0.00	0.00
201853_s_at	CDC25B	cell division cycl	4.16	2.06	0.00	0.00
203377_s_at	CDC40	cell division cycl	0.27	-1.89	0.00	0.00
215296_at	CDC42BPA	CDC42 binding p	0.32	-1.64	0.00	0.00
209288_s_at	CDC42EP3	CDC42 effector |	3.60	1.85	0.00	0.00
209057_x_at	CDC5L	CDC5 cell divisic	4.39	2.13	0.00	0.00
221520_s_at	CDCA8	cell division cycl	3.31	1.73	0.00	0.00
206898_at	CDH19	cadherin 19, typ	0.33	-1.59	0.00	0.00
203256_at	CDH3	cadherin 3, type	15.05	3.91	0.00	0.00
204252_at	CDK2	cyclin-dependen	0.33	-1.62	0.00	0.00
204247_s_at	CDK5	cyclin-dependen	5.07	2.34	0.00	0.00
213348_at	CDKN1C	cyclin-dependen	3.62	1.86	0.00	0.00
207039_at	CDKN2A	cyclin-dependen	6.49	2.70	0.00	0.00
218929_at	CDKN2AIP	CDKN2A interac	0.17	-2.56	0.00	0.00
213230_at	CDR2L	cerebellar degen	4.21	2.07	0.00	0.00
212010_s_at	CDV3	CDV3 homolog (	3.31	1.73	0.00	0.00
206430_at	CDX1	caudal type hom	4.86	2.28	0.00	0.00
201884_at	CEACAM5	carcinoembryoni	10.17	3.35	0.00	0.00
203757_s_at	CEACAM6	carcinoembryoni	9.19	3.20	0.00	0.00
211657_at	CEACAM6	carcinoembryoni	8.62	3.11	0.00	0.00
219591_at	CEND1	cell cycle exit an	4.07	2.02	0.00	0.00
218741_at	CENPM	centromere prote	3.77	1.91	0.00	0.00
219555_s_at	CENPN	centromere prote	3.49	1.80	0.00	0.00
219294_at	CENPQ	centromere prote	0.21	-2.24	0.00	0.00
215170_s_at	CEP152	centrosomal proi	0.21	-2.25	0.00	0.00
221683_s_at	CEP290	centrosomal proi	0.11	-3.18	0.00	0.00
203493_s_at	CEP57	centrosomal proi	0.29	-1.81	0.00	0.00
222151_s_at	CEP63	centrosomal proi	0.17	-2.58	0.00	0.00
220335_x_at	CES3	carboxylesterase	8.70	3.12	0.00	0.00
209194_at	CETN2	centrin, EF-hand	3.66	1.87	0.00	0.00
210701_at	CFDP1	craniofacial deve	0.17	-2.54	0.00	0.00
213800_at	CFH	complement fact	3.18	1.67	0.02	0.03
206380_s_at	CFP	complement fact	0.22	-2.17	0.00	0.00
215318_at	CG012	hypothetical gen	0.24	-2.05	0.00	0.00
201182_s_at	CHD4	chromodomain h	0.32	-1.63	0.00	0.00
201183_s_at	CHD4	chromodomain h	0.31	-1.71	0.00	0.00
220586_at	CHD9	chromodomain h	0.29	-1.77	0.00	0.00
210416_s_at	CHEK2	CHK2 checkpoin	3.14	1.65	0.00	0.00
202229_s_at	CHERP	calcium homeos	3.18	1.67	0.00	0.00
213060_s_at	CHI3L2	chitinase 3-like 2	3.96	1.99	0.00	0.01
204591_at	CHL1	cell adhesion mc	0.20	-2.36	0.00	0.00
218178_s_at	CHMP1B	chromatin modif	4.28	2.10	0.00	0.00
212624_s_at	CHN1	chimerin (chima	4.00	2.00	0.00	0.00
206149_at	CHP2	calcineurin B hor	0.12	-3.11	0.00	0.00
202175_at	CHPF	chondroitin polyr	3.55	1.83	0.00	0.00
221675_s_at	CHPT1	choline phospho	0.18	-2.47	0.00	0.00
211248_s_at	CHRD	chordin	0.19	-2.42	0.00	0.00

203921_at	CHST2	carbohydrate (N-	4.24	2.08	0.00	0.00
209834_at	CHST3	carbohydrate (ch	6.08	2.60	0.00	0.00
205007_s_at	CIB2	calcium and inte	6.81	2.77	0.00	0.00
205008_s_at	CIB2	calcium and inte	3.98	1.99	0.00	0.00
209571_at	CIR1	corepressor inter	0.25	-1.98	0.00	0.00
211358_s_at	CIZ1	CDKN1A interac	0.33	-1.61	0.00	0.00
200998_s_at	CKAP4	cytoskeleton-ass	3.24	1.70	0.00	0.00
200884_at	CKB	creatine kinase,	0.28	-1.86	0.00	0.00
206164_at	CLCA2	chloride channel	4.54	2.18	0.00	0.00
206165_s_at	CLCA2	chloride channel	3.41	1.77	0.02	0.04
206166_s_at	CLCA2	chloride channel	3.29	1.72	0.00	0.00
220026_at	CLCA4	chloride channel	0.10	-3.26	0.00	0.00
204482_at	CLDN5	claudin 5	0.31	-1.69	0.00	0.00
208474_at	CLDN6	claudin 6	3.23	1.69	0.00	0.00
214598_at	CLDN8	claudin 8	0.04	-4.68	0.00	0.00
209732_at	CLEC2B	C-type lectin dor	0.27	-1.87	0.00	0.00
219947_at	CLEC4A	C-type lectin dor	0.25	-1.99	0.00	0.00
221698_s_at	CLEC7A	C-type lectin dor	4.40	2.14	0.00	0.00
221881_s_at	CLIC4	chloride intracell	3.26	1.70	0.00	0.00
214683_s_at	CLK1	CDC-like kinase	0.28	-1.85	0.00	0.00
210346_s_at	CLK4	CDC-like kinase	0.30	-1.72	0.00	0.00
213839_at	CLMN	calmin (calponin	0.32	-1.66	0.00	0.00
221845_s_at	CLPB	ClpB caseinolytic	3.30	1.72	0.00	0.00
201640_x_at	CLPTM1	cleft lip and pala	5.33	2.42	0.00	0.00
222043_at	CLU	clusterin	0.18	-2.49	0.00	0.00
210571_s_at	CMAH	cytidine monoph	0.33	-1.60	0.00	0.00
205518_s_at	CMAH	cytidine monoph	0.03	-5.04	0.00	0.00
218111_s_at	CMAS	cytidine monoph	0.30	-1.74	0.00	0.00
206417_at	CNGA1	cyclic nucleotide	0.16	-2.61	0.00	0.00
207342_at	CNGB1	cyclic nucleotide	4.22	2.08	0.00	0.00
209874_x_at	CNNM2	cyclin M2	5.64	2.50	0.00	0.00
210867_at	CNOT4	CCR4-NOT tran:	0.16	-2.66	0.00	0.00
202163_s_at	CNOT8	CCR4-NOT tran:	0.33	-1.60	0.00	0.00
208912_s_at	CNP	2',3'-cyclic nucle	3.09	1.63	0.00	0.00
220323_at	CNTD2	cyclin N-terminal	5.19	2.38	0.00	0.00
213050_at	COBL	cordons-bleu hor	0.20	-2.36	0.00	0.00
205229_s_at	COCH	coagulation fact	0.16	-2.66	0.00	0.00
211809_x_at	COL13A1	collagen, type XI	0.30	-1.72	0.00	0.00
202310_s_at	COL1A1	collagen, type I,	3.61	1.85	0.01	0.01
202404_s_at	COL1A2	collagen, type I,	10.44	3.39	0.00	0.00
202403_s_at	COL1A2	collagen, type I,	7.34	2.88	0.00	0.00
208096_s_at	COL21A1	collagen, type XI	0.12	-3.04	0.00	0.00
215076_s_at	COL3A1	collagen, type III	14.37	3.85	0.00	0.00
211161_s_at	COL3A1	collagen, type III	7.22	2.85	0.00	0.00
201852_x_at	COL3A1	collagen, type III	4.97	2.31	0.00	0.00
211980_at	COL4A1	collagen, type IV	10.54	3.40	0.00	0.00
211964_at	COL4A2	collagen, type IV	14.74	3.88	0.00	0.00
222073_at	COL4A3	collagen, type IV	0.31	-1.69	0.00	0.00

212488_at	COL5A1	collagen, type V,	5.43	2.44	0.00	0.00
52255_s_at	COL5A3	collagen, type V,	0.15	-2.76	0.00	0.00
201438_at	COL6A3	collagen, type VI	18.65	4.22	0.00	0.00
218439_s_at	COMMD10	COMM domain c	4.72	2.24	0.00	0.00
206441_s_at	COMMD4	COMM domain c	3.16	1.66	0.00	0.00
219561_at	COPZ2	coatomer proteir	3.03	1.60	0.00	0.00
64486_at	CORO1B	coronin, actin bir	3.70	1.89	0.00	0.00
221550_at	COX15	COX15 homolog	0.15	-2.73	0.00	0.00
213758_at	COX4I1	cytochrome c ox	0.21	-2.26	0.00	0.00
217249_x_at	COX7A2	cytochrome c ox	3.67	1.87	0.00	0.00
205624_at	CPA3	carboxypeptidas	4.18	2.06	0.02	0.04
201116_s_at	CPE	carboxypeptidas	3.32	1.73	0.00	0.00
209833_at	CRADD	CASP2 and RIPI	3.94	1.98	0.00	0.00
209432_s_at	CREB3	cAMP responsiv	3.58	1.84	0.00	0.00
202979_s_at	CREBZF	CREB/ATF bZIP	0.19	-2.41	0.00	0.00
214508_x_at	CREM	cAMP responsiv	3.80	1.93	0.00	0.00
205081_at	CRIP1	cysteine-rich pro	0.03	-5.33	0.00	0.00
207802_at	CRISP3	cysteine-rich sec	3.05	1.61	0.01	0.02
221541_at	CRISPLD2	cysteine-rich sec	3.34	1.74	0.00	0.00
206274_s_at	CROCC	ciliary rootlet coil	0.32	-1.67	0.00	0.00
209674_at	CRY1	cryptochrome 1 i	0.18	-2.52	0.00	0.00
212695_at	CRY2	cryptochrome 2 i	0.29	-1.81	0.00	0.00
220753_s_at	CRYL1	crystallin, lambd	3.49	1.80	0.00	0.00
219049_at	CSGALNACT1	chondroitin sulfa	4.60	2.20	0.00	0.00
208866_at	CSNK1A1	casein kinase 1,	0.25	-2.00	0.00	0.00
39966_at	CSPG5	chondroitin sulfa	0.25	-2.01	0.00	0.00
200621_at	CSRP1	cysteine and gly	3.39	1.76	0.00	0.00
207030_s_at	CSRP2	cysteine and gly	4.05	2.02	0.00	0.00
201201_at	CSTB	cystatin B (stefin	4.55	2.19	0.00	0.00
215930_s_at	CTAGE5	CTAGE family, n	0.25	-2.00	0.00	0.00
208735_s_at	CTDSP2	CTD (carboxy-te	3.05	1.61	0.00	0.00
201533_at	CTNNB1	catenin (cadheri	0.25	-1.99	0.00	0.00
213274_s_at	CTSB	cathepsin B	4.53	2.18	0.00	0.00
200839_s_at	CTSB	cathepsin B	3.80	1.92	0.00	0.00
201487_at	CTSC	cathepsin C	3.86	1.95	0.00	0.00
202087_s_at	CTSL1	cathepsin L1	4.24	2.08	0.00	0.00
202901_x_at	CTSS	cathepsin S	0.16	-2.64	0.00	0.00
212562_s_at	CTSZ	cathepsin Z	3.40	1.77	0.00	0.00
214782_at	CTTN	cortactin	0.24	-2.09	0.00	0.00
203078_at	CUL2	cullin 2	0.25	-2.02	0.00	0.00
201372_s_at	CUL3	cullin 3	0.33	-1.61	0.00	0.00
203533_s_at	CUL5	cullin 5	0.22	-2.20	0.00	0.00
218787_x_at	CWF19L1	CWF19-like 1, c	3.34	1.74	0.00	0.00
823_at	CX3CL1	chemokine (C-X:	3.22	1.69	0.00	0.00
205898_at	CX3CR1	chemokine (C-X:	0.21	-2.25	0.00	0.00
207850_at	CXCL3	chemokine (C-X:	0.31	-1.70	0.00	0.00
203915_at	CXCL9	chemokine (C-X:	7.82	2.97	0.02	0.04
220252_x_at	CXorf21	chromosome X c	0.23	-2.10	0.00	0.00

219355_at	CXorf57	chromosome X c	0.19	-2.39	0.00	0.00
203028_s_at	CYBA	cytochrome b-24	6.41	2.68	0.00	0.00
39582_at	CYLD	cylindromatosis i	0.31	-1.70	0.00	0.00
202435_s_at	CYP1B1	cytochrome P45	0.25	-2.02	0.00	0.00
202436_s_at	CYP1B1	cytochrome P45	0.20	-2.34	0.00	0.00
219825_at	CYP26B1	cytochrome P45	0.19	-2.42	0.00	0.00
205676_at	CYP27B1	cytochrome P45	5.06	2.34	0.00	0.00
208327_at	CYP2A13	cytochrome P45	3.58	1.84	0.00	0.00
207786_at	CYP2R1	cytochrome P45	0.29	-1.79	0.00	0.00
220432_s_at	CYP39A1	cytochrome P45	0.18	-2.50	0.00	0.00
205765_at	CYP3A5	cytochrome P45	0.09	-3.55	0.00	0.00
210096_at	CYP4B1	cytochrome P45	0.06	-4.04	0.00	0.00
206539_s_at	CYP4F12	cytochrome P45	0.24	-2.08	0.00	0.00
210452_x_at	CYP4F2	cytochrome P45	4.37	2.13	0.00	0.00
206515_at	CYP4F3	cytochrome P45	0.23	-2.14	0.00	0.00
209606_at	CYTIP	cytohesin 1 inter	0.20	-2.32	0.00	0.00
216060_s_at	DAAM1	dishevelled asso	0.29	-1.77	0.00	0.00
218808_at	DALRD3	DALR anticodon	0.30	-1.74	0.00	0.00
202806_at	DBN1	drebrin 1	7.33	2.87	0.00	0.00
221849_s_at	DCAF15	DDB1 and CUL4	0.26	-1.94	0.00	0.00
209804_at	DCLRE1A	DNA cross-link r	3.57	1.84	0.00	0.00
205337_at	DCT	dopachrome tau	0.13	-2.99	0.01	0.01
209231_s_at	DCTN5	dynactin 5 (p25)	4.15	2.05	0.00	0.00
202887_s_at	DDIT4	DNA-damage-ini	5.04	2.33	0.00	0.00
212515_s_at	DDX3X	DEAD (Asp-Glu-	0.32	-1.63	0.00	0.00
204909_at	DDX6	DEAD (Asp-Glu-	0.18	-2.47	0.00	0.00
210397_at	DEFB1	defensin, beta 1	0.31	-1.69	0.02	0.03
207356_at	DEFB4	defensin, beta 4	63.95	6.00	0.00	0.00
219763_at	DENND1A	DENN/MADD dc	15.47	3.95	0.00	0.00
203695_s_at	DFNA5	deafness, autosc	6.40	2.68	0.00	0.00
221887_s_at	DFNB31	deafness, autosc	3.02	1.59	0.00	0.00
201790_s_at	DHCR7	7-dehydrocholes	6.64	2.73	0.00	0.00
201791_s_at	DHCR7	7-dehydrocholes	5.71	2.51	0.00	0.00
212107_s_at	DHX9	DEAH (Asp-Glu-	0.18	-2.44	0.00	0.00
205603_s_at	DIAPH2	diaphanous hom	0.23	-2.14	0.00	0.00
206061_s_at	DICER1	dicer 1, ribonucl	0.27	-1.89	0.00	0.00
213229_at	DICER1	dicer 1, ribonucl	0.27	-1.92	0.00	0.00
211215_x_at	DIO2	deiodinase, iodo	4.40	2.14	0.00	0.00
220572_at	DKFZp547G183	hypothetical LOC	0.31	-1.69	0.00	0.00
220284_at	DKKL1	dickkopf-like 1 (ε	3.45	1.79	0.00	0.00
220512_at	DLC1	deleted in liver c	0.33	-1.61	0.00	0.00
202571_s_at	DLGAP4	discs, large (Dro	3.90	1.96	0.00	0.00
207147_at	DLX2	distal-less home	5.07	2.34	0.00	0.00
208250_s_at	DMBT1	deleted in malign	3.52	1.82	0.00	0.00
203791_at	DMXL1	Dmx-like 1	0.31	-1.68	0.00	0.00
215266_at	DNAH3	dynein, axonemc	3.05	1.61	0.00	0.00
220395_at	DNAJA4	DnaJ (Hsp40) hc	3.53	1.82	0.00	0.00
203810_at	DNAJB4	DnaJ (Hsp40) hc	0.24	-2.08	0.00	0.00

212817_at	DNAJB5	DnaJ (Hsp40) hc	3.23	1.69	0.00	0.00
202843_at	DNAJB9	DnaJ (Hsp40) hc	0.27	-1.90	0.00	0.00
212911_at	DNAJC16	DnaJ (Hsp40) hc	0.16	-2.68	0.00	0.00
205554_s_at	DNASE1L3	deoxyribonuclea	0.27	-1.91	0.00	0.00
202253_s_at	DNM2	dynamain 2	3.51	1.81	0.00	0.00
203187_at	DOCK1	dedicator of cyto	0.18	-2.47	0.00	0.00
219279_at	DOCK10	dedicator of cyto	0.25	-2.03	0.00	0.00
213482_at	DOCK3	dedicator of cyto	0.25	-2.02	0.00	0.00
221677_s_at	DONSON	downstream neig	0.28	-1.83	0.00	0.00
40612_at	DOPEY1	dopey family me	0.20	-2.31	0.00	0.00
213267_at	DOPEY1	dopey family me	0.10	-3.33	0.00	0.00
214301_s_at	DPYSL4	dihydropyrimidin	3.18	1.67	0.00	0.00
206590_x_at	DRD2	dopamine recepl	3.69	1.88	0.00	0.00
207648_at	DRP2	dystrophin relate	4.05	2.02	0.00	0.00
204751_x_at	DSC2	desmocollin 2	45.86	5.52	0.00	0.00
204750_s_at	DSC2	desmocollin 2	10.89	3.45	0.00	0.00
206642_at	DSG1	desmoglein 1	0.20	-2.35	0.02	0.03
205595_at	DSG3	desmoglein 3 (pr	24.53	4.62	0.00	0.00
221681_s_at	DSPP	dentin sialophos	0.25	-2.02	0.00	0.00
214253_s_at	DTNB	dystrobrevin, bet	6.94	2.79	0.00	0.00
205762_s_at	DUS4L	dihydrouridine sy	0.24	-2.06	0.00	0.00
201537_s_at	DUSP3	dual specificity p	3.04	1.61	0.00	0.00
208892_s_at	DUSP6	dual specificity p	3.50	1.81	0.00	0.00
220774_at	DYM	dymeclin	0.15	-2.71	0.00	0.00
205348_s_at	DYNC111	dynein, cytoplası	0.27	-1.88	0.00	0.00
203763_at	DYNC2L11	dynein, cytoplası	0.30	-1.75	0.00	0.00
202971_s_at	DYRK2	dual-specificity ty	0.32	-1.64	0.00	0.00
218660_at	DYSF	dysferlin, limb gii	4.62	2.21	0.00	0.00
204556_s_at	DZIP1	DAZ interacting j	3.04	1.60	0.00	0.00
2028_s_at	E2F1	E2F transcription	3.49	1.80	0.00	0.00
38707_r_at	E2F4	E2F transcription	15.50	3.95	0.00	0.00
211129_x_at	EDA	ectodysplasin A	0.31	-1.67	0.00	0.00
220048_at	EDAR	ectodysplasin A	3.24	1.69	0.00	0.00
220926_s_at	EDEM3	ER degradation	0.32	-1.63	0.00	0.00
206758_at	EDN2	endothelin 2	4.51	2.17	0.00	0.00
204840_s_at	EEA1	early endosome	0.17	-2.55	0.00	0.00
210656_at	EED	embryonic ectod	0.21	-2.29	0.00	0.00
219833_s_at	EFHC1	EF-hand domain	0.32	-1.67	0.00	0.00
220591_s_at	EFHC2	EF-hand domain	0.11	-3.15	0.00	0.00
205031_at	EFNB3	ephrin-B3	3.26	1.70	0.00	0.00
206115_at	EGR3	early growth resı	0.15	-2.73	0.00	0.00
221755_at	EHBP1L1	EH domain bindi	3.60	1.85	0.00	0.00
205341_at	EHD2	EH-domain cont:	3.50	1.81	0.00	0.00
218935_at	EHD3	EH-domain cont:	5.41	2.44	0.00	0.00
205222_at	EHHADH	enoyl-Coenzyme	0.31	-1.69	0.00	0.00
211698_at	EID1	EP300 interactin	0.31	-1.71	0.00	0.00
205321_at	EIF2S3	eukaryotic transl	0.14	-2.79	0.00	0.00
208708_x_at	EIF5	eukaryotic transl	3.65	1.87	0.00	0.00

208290_s_at	EIF5	eukaryotic transl	3.55	1.83	0.00	0.01
210361_s_at	ELF2	E74-like factor 2	0.18	-2.47	0.00	0.00
210827_s_at	ELF3	E74-like factor 3	5.75	2.52	0.00	0.00
203490_at	ELF4	E74-like factor 4	4.98	2.32	0.00	0.00
204095_s_at	ELL	elongation factor	3.56	1.83	0.00	0.00
214446_at	ELL2	elongation factor	3.31	1.73	0.00	0.00
219518_s_at	ELL3	elongation factor	0.17	-2.58	0.00	0.00
219517_at	ELL3	elongation factor	0.15	-2.73	0.00	0.00
219532_at	ELOVL4	elongation of ver	0.25	-2.00	0.01	0.01
210868_s_at	ELOVL6	ELOVL family m	0.31	-1.70	0.00	0.00
204397_at	EML2	echinoderm micr	3.79	1.92	0.00	0.00
201324_at	EMP1	epithelial membr	0.33	-1.61	0.00	0.00
213895_at	EMP1	epithelial membr	0.21	-2.26	0.00	0.00
221950_at	EMX2	empty spiracles i	0.31	-1.70	0.00	0.00
220559_at	EN1	engrailed homec	0.22	-2.19	0.00	0.00
220349_s_at	ENGASE	endo-beta-N-ace	0.33	-1.59	0.00	0.00
201719_s_at	EPB41L2	erythrocyte mem	0.19	-2.42	0.00	0.00
206710_s_at	EPB41L3	erythrocyte mem	4.08	2.03	0.00	0.00
201839_s_at	EPCAM	epithelial cell adl	0.28	-1.84	0.01	0.02
209588_at	EPHB2	EPH receptor B2	4.73	2.24	0.00	0.00
209589_s_at	EPHB2	EPH receptor B2	3.34	1.74	0.00	0.00
204718_at	EPHB6	EPH receptor B6	0.32	-1.64	0.00	0.00
202909_at	EPM2AIP1	EPM2A (laforin)	0.31	-1.70	0.00	0.00
203464_s_at	EPN2	epsin 2	0.24	-2.05	0.00	0.00
396_f_at	EPOR	erythropoietin re	8.34	3.06	0.00	0.00
215054_at	EPOR	erythropoietin re	0.30	-1.75	0.00	0.00
217886_at	EPS15	epidermal growtl	0.30	-1.76	0.00	0.00
221056_x_at	EPS15L1	epidermal growtl	5.31	2.41	0.00	0.00
202609_at	EPS8	epidermal growtl	0.20	-2.36	0.00	0.00
218778_x_at	EPS8L1	EPS8-like 1	3.80	1.93	0.00	0.00
214012_at	ERAP1	endoplasmic reti	0.08	-3.69	0.00	0.00
217941_s_at	ERBB2IP	erbb2 interacting	0.32	-1.66	0.00	0.00
211234_x_at	ESR1	estrogen receptc	3.09	1.63	0.00	0.00
211627_x_at	ESR1	estrogen receptc	0.22	-2.17	0.00	0.00
204034_at	ETHE1	ethylmalonic enc	7.53	2.91	0.00	0.00
205585_at	ETV6	ets variant 6	0.33	-1.61	0.00	0.00
210887_s_at	EVC	Ellis van Crevelc	3.97	1.99	0.00	0.00
209527_at	EXOSC2	exosome compo	0.30	-1.72	0.00	0.00
214734_at	EXPH5	exophilin 5	0.27	-1.90	0.00	0.00
213929_at	EXPH5	exophilin 5	0.09	-3.52	0.00	0.00
214985_at	EXT1	exostoses (multi	0.33	-1.61	0.00	0.00
211310_at	EZH1	enhancer of zest	0.16	-2.66	0.00	0.00
203989_x_at	F2R	coagulation factc	0.11	-3.13	0.00	0.00
210445_at	FABP6	fatty acid binding	4.23	2.08	0.00	0.00
205029_s_at	FABP7	fatty acid binding	0.11	-3.17	0.00	0.00
205030_at	FABP7	fatty acid binding	0.02	-5.96	0.00	0.00
202218_s_at	FADS2	fatty acid desatu	3.46	1.79	0.00	0.00
221602_s_at	FAIM3	Fas apoptotic inf	4.29	2.10	0.00	0.00

221249_s_at	FAM117A	family with sequ	0.18	-2.48	0.00	0.00
222129_at	FAM134A	family with sequ	0.20	-2.35	0.00	0.00
218532_s_at	FAM134B	family with sequ	0.28	-1.86	0.00	0.00
217047_s_at	FAM13A	family with sequ	0.23	-2.09	0.00	0.00
202973_x_at	FAM13A	family with sequ	0.18	-2.47	0.00	0.00
218337_at	FAM160B2	family with sequ	3.91	1.97	0.00	0.00
205308_at	FAM164A	family with sequ	0.24	-2.08	0.00	0.00
36612_at	FAM168A	family with sequ	0.30	-1.72	0.00	0.00
51158_at	FAM174B	family with sequ	0.19	-2.38	0.00	0.00
203482_at	FAM178A	family with sequ	0.33	-1.60	0.00	0.00
213304_at	FAM179B	family with sequ	0.29	-1.77	0.00	0.00
220150_s_at	FAM184A	family with sequ	0.22	-2.18	0.00	0.00
213900_at	FAM189A2	family with sequ	0.12	-3.07	0.00	0.00
202915_s_at	FAM20B	family with sequ	0.31	-1.68	0.00	0.00
201889_at	FAM3C	family with sequ	0.30	-1.75	0.00	0.00
216682_s_at	FAM48A	family with sequ	0.14	-2.87	0.00	0.00
45749_at	FAM65A	family with sequ	3.51	1.81	0.00	0.00
204781_s_at	FAS	Fas (TNF recept	0.27	-1.87	0.00	0.00
215719_x_at	FAS	Fas (TNF recept	0.20	-2.33	0.00	0.00
210975_x_at	FASTK	Fas-activated se	3.26	1.71	0.00	0.00
205976_at	FASTKD2	FAST kinase dor	0.32	-1.64	0.00	0.00
203184_at	FBN2	fibrillin 2	3.93	1.97	0.00	0.00
220896_at	FBXL18	F-box and leucin	3.60	1.85	0.00	0.00
211734_s_at	FCER1A	Fc fragment of Iç	0.26	-1.93	0.00	0.00
215567_at	FCF1	FCF1 small sub	0.19	-2.40	0.00	0.00
211396_at	FCGR2C	Fc fragment of Iç	4.41	2.14	0.00	0.00
212373_at	FEM1B	fem-1 homolog t	0.32	-1.65	0.00	0.00
203562_at	FEZ1	fasciculation and	4.18	2.06	0.00	0.00
222164_at	FGFR1	fibroblast growth	0.10	-3.28	0.00	0.00
201540_at	FHL1	four and a half L	0.09	-3.48	0.00	0.00
202949_s_at	FHL2	four and a half L	3.61	1.85	0.00	0.00
214119_s_at	FKBP1A	FK506 binding p	5.72	2.52	0.00	0.00
210186_s_at	FKBP1A	FK506 binding p	5.07	2.34	0.00	0.00
205283_at	FKTN	fukutin	0.30	-1.75	0.00	0.00
215645_at	FLCN	folliculin	0.26	-1.94	0.00	0.00
205511_at	FLJ10038	hypothetical prot	0.12	-3.07	0.00	0.00
220828_s_at	FLJ11292	hypothetical prot	0.22	-2.16	0.00	0.00
219871_at	FLJ13197	hypothetical FLJ	0.20	-2.30	0.00	0.00
208613_s_at	FLNB	filamin B, beta	5.42	2.44	0.00	0.00
210142_x_at	FLOT1	flotillin 1	4.77	2.26	0.00	0.00
208749_x_at	FLOT1	flotillin 1	4.36	2.12	0.00	0.00
201350_at	FLOT2	flotillin 2	3.28	1.72	0.00	0.00
210316_at	FLT4	fms-related tyros	0.26	-1.96	0.00	0.00
205666_at	FMO1	flavin containing	0.27	-1.87	0.00	0.00
211726_s_at	FMO2	flavin containing	3.54	1.83	0.01	0.01
215300_s_at	FMO5	flavin containing	0.11	-3.19	0.00	0.00
203689_s_at	FMR1	fragile X mental	0.31	-1.68	0.00	0.00
216442_x_at	FN1	fibronectin 1	4.27	2.09	0.02	0.03

210495_x_at	FN1	fibronectin 1	4.18	2.06	0.03	0.04
204420_at	FOSL1	FOS-like antigen	3.93	1.97	0.00	0.00
213260_at	FOXC1	forkhead box C1	5.90	2.56	0.00	0.00
206912_at	FOXE1	forkhead box E1	9.97	3.32	0.00	0.00
205021_s_at	FOXN3	forkhead box N3	4.87	2.28	0.00	0.00
205022_s_at	FOXN3	forkhead box N3	0.31	-1.68	0.00	0.00
218031_s_at	FOXN3	forkhead box N3	0.19	-2.43	0.00	0.00
205119_s_at	FPR1	formyl peptide re	3.74	1.90	0.00	0.00
208475_at	FRMD4A	FERM domain c	0.31	-1.69	0.00	0.00
208476_s_at	FRMD4A	FERM domain c	0.19	-2.41	0.00	0.00
214319_at	FRY	furry homolog (D	0.30	-1.72	0.00	0.00
204072_s_at	FRY	furry homolog (D	0.22	-2.19	0.00	0.00
212546_s_at	FRYL	FRY-like	0.23	-2.11	0.00	0.00
203698_s_at	FRZB	frizzled-related p	3.75	1.91	0.00	0.00
201564_s_at	FSCN1	fascin homolog 1	4.14	2.05	0.00	0.00
208782_at	FSTL1	folliculin-like 1	7.73	2.95	0.00	0.00
213187_x_at	FTL	ferritin, light poly	3.75	1.91	0.00	0.00
212847_at	FUBP1	far upstream ele	0.15	-2.72	0.00	0.00
214093_s_at	FUBP1	far upstream ele	0.15	-2.73	0.00	0.00
204299_at	FUSIP1	FUS interacting j	0.29	-1.78	0.00	0.00
210608_s_at	FUT2	fucosyltransferas	7.23	2.85	0.00	0.00
214088_s_at	FUT3	fucosyltransferas	4.63	2.21	0.00	0.00
210399_x_at	FUT6	fucosyltransferas	5.02	2.33	0.00	0.00
211465_x_at	FUT6	fucosyltransferas	4.53	2.18	0.00	0.00
201636_at	FXR1	fragile X mental	0.27	-1.88	0.00	0.00
218084_x_at	FXYD5	FXYD domain cc	5.45	2.45	0.00	0.00
212486_s_at	FYN	FYN oncogene r	0.26	-1.92	0.00	0.00
221245_s_at	FZD5	frizzled homolog	4.99	2.32	0.00	0.00
222187_x_at	G3BP1	GTPase activator	0.31	-1.70	0.00	0.00
219815_at	GAL3ST4	galactose-3-O-s	0.29	-1.78	0.00	0.00
204417_at	GALC	galactosylceram	0.23	-2.15	0.00	0.00
202528_at	GALE	UDP-galactose-4	3.26	1.71	0.00	0.00
212256_at	GALNT10	UDP-N-acetyl-gl	3.65	1.87	0.00	0.00
219271_at	GALNT14	UDP-N-acetyl-gl	11.39	3.51	0.00	0.00
219956_at	GALNT6	UDP-N-acetyl-gl	5.80	2.54	0.00	0.00
33579_j_at	GALR3	galanin receptor	4.63	2.21	0.00	0.00
220124_at	GAN	gigaxonin	0.23	-2.12	0.00	0.00
214626_s_at	GANAB	glucosidase, alpl	3.03	1.60	0.00	0.00
202191_s_at	GAS7	growth arrest-sp	0.30	-1.76	0.00	0.00
202192_s_at	GAS7	growth arrest-sp	0.29	-1.81	0.00	0.00
209710_at	GATA2	GATA binding pr	3.58	1.84	0.00	0.00
209602_s_at	GATA3	GATA binding pr	0.25	-1.98	0.00	0.00
209604_s_at	GATA3	GATA binding pr	0.25	-2.00	0.00	0.00
209603_at	GATA3	GATA binding pr	0.24	-2.07	0.00	0.00
216733_s_at	GATM	glycine amidinot	0.23	-2.11	0.00	0.00
203178_at	GATM	glycine amidinot	0.07	-3.94	0.00	0.00
202269_x_at	GBP1	guanylate bindin	3.16	1.66	0.00	0.00
203765_at	GCA	grancalcin, EF-h	0.12	-3.07	0.00	0.00

36475_at	GCAT	glycine C-acetyl	3.85	1.94	0.00	0.00
219539_at	GEMIN6	gem (nuclear org	3.26	1.71	0.00	0.00
221028_s_at	GFOD2	glucose-fructose	3.69	1.88	0.00	0.00
202721_s_at	GFPT1	glutamine-fructo	3.02	1.59	0.00	0.00
64064_at	GIMAP5	GTPase, IMAP f	3.46	1.79	0.00	0.00
219970_at	GIPC2	GIPC PDZ doma	0.10	-3.38	0.00	0.00
206540_at	GLB1L	galactosidase, b	4.40	2.14	0.00	0.00
221510_s_at	GLS	glutaminase	0.31	-1.71	0.00	0.00
205531_s_at	GLS2	glutaminase 2 (li	0.26	-1.97	0.00	0.00
218506_x_at	GLYR1	glyoxylate reduc	0.27	-1.87	0.00	0.00
206355_at	GNAL	guanine nucleoti	0.26	-1.93	0.00	0.00
214071_at	GNAL	guanine nucleoti	0.18	-2.44	0.00	0.00
211871_x_at	GNB5	guanine nucleoti	3.43	1.78	0.00	0.00
207124_s_at	GNB5	guanine nucleoti	3.41	1.77	0.00	0.00
204115_at	GNG11	guanine nucleoti	3.36	1.75	0.00	0.00
207987_s_at	GNRH1	gonadotropin-rel	0.27	-1.91	0.00	0.00
208519_x_at	GNRH2	gonadotropin-rel	3.21	1.68	0.00	0.00
201567_s_at	GOLGA4	golgi autoantiger	0.33	-1.61	0.00	0.00
215203_at	GOLGA4	golgi autoantiger	0.13	-2.98	0.00	0.00
208798_x_at	GOLGA8A	golgi autoantiger	0.27	-1.89	0.00	0.00
208797_s_at	GOLGA8A	golgi autoantiger	0.17	-2.53	0.00	0.00
213737_x_at	GOLGA9P	golgi autoantiger	0.25	-2.02	0.00	0.00
204322_at	GOLIM4	golgi integral me	3.28	1.71	0.00	0.00
217771_at	GOLM1	golgi membrane	4.48	2.16	0.00	0.00
218692_at	GOLSYN	Golgi-localized p	0.11	-3.19	0.00	0.00
219846_at	GON4L	gon-4-like (C. elk	0.29	-1.80	0.00	0.00
213144_at	GOSR2	golgi SNAP rece	4.11	2.04	0.00	0.00
200708_at	GOT2	glutamic-oxaloac	3.00	1.59	0.00	0.00
209769_s_at	GP1BB	glycoprotein Ib (I	3.82	1.93	0.00	0.00
206883_x_at	GP9	glycoprotein IX (I	3.42	1.77	0.00	0.00
210007_s_at	GPD2	glycerol-3-phosp	0.21	-2.25	0.00	0.00
215554_at	GPLD1	glycosylphospha	0.05	-4.20	0.00	0.00
213094_at	GPR126	G protein-couple	0.17	-2.59	0.00	0.00
220901_at	GPR157	G protein-couple	0.23	-2.12	0.00	0.00
221958_s_at	GPR177	G protein-couple	0.28	-1.84	0.00	0.00
204793_at	GPRASP1	G protein-couple	0.28	-1.86	0.00	0.00
203108_at	GPRC5A	G protein-couple	4.28	2.10	0.00	0.00
200736_s_at	GPX1	glutathione pero:	3.40	1.77	0.00	0.00
202831_at	GPX2	glutathione pero:	7.85	2.97	0.00	0.00
201348_at	GPX3	glutathione pero:	6.52	2.71	0.01	0.02
214091_s_at	GPX3	glutathione pero:	4.37	2.13	0.01	0.02
219313_at	GRAMD1C	GRAM domain c	0.25	-1.98	0.00	0.00
218706_s_at	GRAMD3	GRAM domain c	0.18	-2.44	0.00	0.00
216481_at	GRIP2	glutamate recept	4.82	2.27	0.00	0.00
207929_at	GRPR	gastrin-releasing	3.05	1.61	0.00	0.00
215659_at	GSDMB	gasdermin B	0.31	-1.69	0.00	0.00
222102_at	GSTA3	glutathione S-tra	0.10	-3.30	0.00	0.00
209595_at	GTF2F2	general transcrip	0.27	-1.90	0.00	0.00

205276_s_at	GTPBP1	GTP binding pro	4.91	2.30	0.00	0.00
204235_s_at	GULP1	GULP, engulfme	0.16	-2.68	0.00	0.00
204237_at	GULP1	GULP, engulfme	0.14	-2.88	0.00	0.00
205488_at	GZMA	granzyme A (gra	4.26	2.09	0.00	0.00
208579_x_at	H2BFS	H2B histone fam	5.15	2.37	0.00	0.00
221892_at	H6PD	hexose-6-phospl	0.17	-2.58	0.00	0.00
213054_at	HAUS5	HAUS augmin-lil	0.33	-1.59	0.00	0.00
218602_s_at	HAUS6	HAUS augmin-lil	0.18	-2.45	0.00	0.00
217232_x_at	HBB	hemoglobin, bet	3.21	1.68	0.01	0.02
38037_at	HBEGF	heparin-binding I	8.28	3.05	0.00	0.00
203821_at	HBEGF	heparin-binding I	4.88	2.29	0.00	0.00
209315_at	HBS1L	HBS1-like (S. ce	0.19	-2.42	0.00	0.00
209314_s_at	HBS1L	HBS1-like (S. ce	0.18	-2.50	0.00	0.00
214893_x_at	HCN2	hyperpolarizati	3.21	1.68	0.00	0.00
216224_s_at	HDAC6	histone deacetyl	3.77	1.92	0.00	0.00
213069_at	HEG1	HEG homolog 1	3.56	1.83	0.00	0.00
220085_at	HELLS	helicase, lymphc	0.25	-1.98	0.00	0.00
219863_at	HERC5	hect domain and	4.72	2.24	0.00	0.00
219352_at	HERC6	hect domain and	10.06	3.33	0.00	0.00
214308_s_at	HGD	homogentisate 1	3.69	1.88	0.00	0.00
219687_at	HHAT	hedgehog acyltr	3.81	1.93	0.00	0.00
221162_at	HHLA1	HERV-H LTR-as	3.26	1.71	0.00	0.00
216911_s_at	HIC2	hypermethylated	4.10	2.03	0.00	0.00
205425_at	HIP1	huntingtin intera	0.33	-1.59	0.00	0.00
212293_at	HIPK1	homeodomain in	0.23	-2.13	0.00	0.00
203253_s_at	HISPPD1	histidine acid ph	0.31	-1.68	0.00	0.00
214542_x_at	HIST1H2AI	histone cluster 1	7.39	2.89	0.00	0.00
208583_x_at	HIST1H2AJ	histone cluster 1	11.39	3.51	0.00	0.00
208527_x_at	HIST1H2BE	histone cluster 1	3.51	1.81	0.00	0.00
208490_x_at	HIST1H2BF	histone cluster 1	4.81	2.27	0.00	0.00
209806_at	HIST1H2BK	histone cluster 1	4.92	2.30	0.00	0.00
204512_at	HIVEP1	human immunoc	0.28	-1.85	0.00	0.00
220042_x_at	HIVEP3	human immunoc	4.30	2.10	0.00	0.00
215536_at	HLA-DQB2	major histocomp	0.33	-1.62	0.02	0.03
204753_s_at	HLF	hepatic leukemia	0.29	-1.80	0.00	0.00
204754_at	HLF	hepatic leukemia	0.26	-1.96	0.00	0.00
204755_x_at	HLF	hepatic leukemia	0.23	-2.14	0.00	0.00
207353_s_at	HMX1	H6 family homec	4.02	2.01	0.00	0.00
217755_at	HN1	hematological ar	4.05	2.02	0.00	0.00
211732_x_at	HNMT	histamine N-met	0.33	-1.62	0.00	0.00
221919_at	HNRNPA1	heterogeneous r	0.08	-3.68	0.00	0.00
211930_at	HNRNPA3	heterogeneous r	0.26	-1.94	0.00	0.00
213359_at	HNRNPD	heterogeneous r	0.29	-1.79	0.00	0.00
213472_at	HNRNPH1	heterogeneous r	0.21	-2.27	0.00	0.00
202072_at	HNRNPL	heterogeneous r	5.09	2.35	0.00	0.00
66053_at	HNRNPUL2	heterogeneous r	0.24	-2.05	0.00	0.00
212454_x_at	HNRPDL	heterogeneous r	0.23	-2.11	0.00	0.00
222222_s_at	HOMER3	homer homolog	4.78	2.26	0.00	0.00

208224_at	HOXB1	homeobox B1	3.76	1.91	0.00	0.00
205366_s_at	HOXB6	homeobox B6	0.31	-1.69	0.00	0.00
204779_s_at	HOXB7	homeobox B7	9.15	3.19	0.00	0.00
216973_s_at	HOXB7	homeobox B7	3.83	1.94	0.00	0.00
219832_s_at	HOXC13	homeobox C13	3.57	1.83	0.00	0.00
206858_s_at	HOXC6	homeobox C6	0.19	-2.44	0.00	0.00
221350_at	HOXC8	homeobox C8	0.15	-2.73	0.00	0.00
214604_at	HOXD11	homeobox D11	7.40	2.89	0.00	0.00
205522_at	HOXD4	homeobox D4	4.76	2.25	0.00	0.00
220633_s_at	HP1BP3	heterochromatin	3.15	1.66	0.00	0.00
206726_at	HPGDS	hematopoietic pr	0.11	-3.24	0.00	0.00
54037_at	HPS4	Hermansky-Pudl	0.30	-1.74	0.00	0.00
219403_s_at	HPSE	heparanase	4.35	2.12	0.00	0.00
219984_s_at	HRASLS	HRAS-like suppr	0.23	-2.15	0.00	0.00
219983_at	HRASLS	HRAS-like suppr	0.16	-2.68	0.00	0.00
221663_x_at	HRH3	histamine recept	3.79	1.92	0.00	0.00
217989_at	HSD17B11	hydroxysteroid (	0.29	-1.79	0.00	0.00
209512_at	HSDL2	hydroxysteroid d	0.31	-1.71	0.01	0.01
209657_s_at	HSF2	heat shock trans	0.25	-2.00	0.00	0.00
214163_at	HSPB11	heat shock prote	0.28	-1.86	0.00	0.00
219998_at	HSPC159	galectin-related j	0.28	-1.85	0.00	0.00
207578_s_at	HTR4	5-hydroxytryptan	3.46	1.79	0.00	0.00
204883_s_at	HUS1	HUS1 checkpoin	3.02	1.59	0.00	0.00
220249_at	HYAL4	hyaluronoglucos	4.35	2.12	0.00	0.00
215513_at	HYMAI	hydatidiform mol	0.09	-3.51	0.00	0.00
204569_at	ICK	intestinal cell (M	0.21	-2.24	0.00	0.00
208937_s_at	ID1	inhibitor of DNA	6.20	2.63	0.00	0.00
209293_x_at	ID4	inhibitor of DNA	0.19	-2.43	0.00	0.00
209291_at	ID4	inhibitor of DNA	0.10	-3.39	0.00	0.00
209292_at	ID4	inhibitor of DNA	0.06	-4.20	0.00	0.00
210029_at	IDO1	indoleamine 2,3-	3.26	1.71	0.00	0.00
202438_x_at	IDS	iduronate 2-sulfa	0.24	-2.04	0.00	0.00
209721_s_at	IFFO1	intermediate filar	3.31	1.73	0.00	0.00
202411_at	IFI27	interferon, alpha	15.40	3.94	0.00	0.00
209417_s_at	IFI35	interferon-induce	3.04	1.60	0.00	0.00
214453_s_at	IFI44	interferon-induce	14.78	3.89	0.00	0.00
204439_at	IFI44L	interferon-induce	8.23	3.04	0.00	0.00
204415_at	IFI6	interferon, alpha	12.19	3.61	0.00	0.00
203153_at	IFIT1	interferon-induce	14.12	3.82	0.00	0.00
204747_at	IFIT3	interferon-induce	3.64	1.87	0.00	0.00
214022_s_at	IFITM1	interferon induce	12.00	3.58	0.00	0.00
201601_x_at	IFITM1	interferon induce	10.50	3.39	0.00	0.00
201315_x_at	IFITM2	interferon induce	6.01	2.59	0.00	0.00
212203_x_at	IFITM3	interferon induce	7.20	2.85	0.00	0.00
219174_at	IFT74	intraflagellar tran	0.28	-1.83	0.00	0.00
61732_r_at	IFT74	intraflagellar tran	0.21	-2.28	0.00	0.00
203628_at	IGF1R	insulin-like growt	0.25	-2.02	0.00	0.00
203820_s_at	IGF2BP3	insulin-like growt	3.06	1.61	0.00	0.00

203851_at	IGFBP6	insulin-like growt	4.81	2.27	0.00	0.00
201163_s_at	IGFBP7	insulin-like growt	5.05	2.34	0.00	0.00
201162_at	IGFBP7	insulin-like growt	3.91	1.97	0.00	0.00
31861_at	IGHMBP2	immunoglobulin	10.02	3.33	0.00	0.00
217148_x_at	IGL@	immunoglobulin	3.74	1.90	0.00	0.00
215255_at	IGSF9B	immunoglobulin	0.28	-1.84	0.00	0.00
202490_at	IKBKAP	inhibitor of kappa	0.27	-1.91	0.00	0.00
36004_at	IKBKG	inhibitor of kappa	8.40	3.07	0.00	0.00
209929_s_at	IKBKG	inhibitor of kappa	4.88	2.29	0.00	0.00
211612_s_at	IL13RA1	interleukin 13 rec	4.30	2.11	0.00	0.00
201888_s_at	IL13RA1	interleukin 13 rec	3.98	1.99	0.00	0.00
64440_at	IL17RC	interleukin 17 rec	6.61	2.73	0.00	0.00
206295_at	IL18	interleukin 18 (in	0.20	-2.31	0.00	0.00
219323_s_at	IL18BP	interleukin 18 bir	4.34	2.12	0.00	0.00
39402_at	IL1B	interleukin 1, bet	5.28	2.40	0.00	0.00
205067_at	IL1B	interleukin 1, bet	3.95	1.98	0.00	0.00
221470_s_at	IL1F7	interleukin 1 fam	0.11	-3.16	0.00	0.00
205403_at	IL1R2	interleukin 1 rec	0.33	-1.62	0.00	0.00
212659_s_at	IL1RN	interleukin 1 rec	4.52	2.18	0.00	0.00
219115_s_at	IL20RA	interleukin 20 rec	0.33	-1.59	0.00	0.00
203233_at	IL4R	interleukin 4 rec	3.90	1.96	0.00	0.00
206693_at	IL7	interleukin 7	0.06	-4.15	0.00	0.00
208930_s_at	ILF3	interleukin enhar	0.25	-1.98	0.00	0.00
214705_at	INADL	InaD-like (Droso	0.07	-3.86	0.00	0.00
205258_at	INHBB	inhibin, beta B	9.33	3.22	0.00	0.00
203006_at	INPP5A	inositol polyphos	0.31	-1.68	0.00	0.00
203907_s_at	IQSEC1	IQ motif and Sec	3.71	1.89	0.00	0.00
208436_s_at	IRF7	interferon regula	3.16	1.66	0.00	0.00
209185_s_at	IRS2	insulin receptor s	0.32	-1.64	0.00	0.00
205483_s_at	ISG15	ISG15 ubiquitin-l	6.34	2.67	0.00	0.00
204698_at	ISG20	interferon stimuk	3.21	1.68	0.01	0.02
218170_at	ISOC1	isochorismatase	0.22	-2.16	0.00	0.00
218893_at	ISOC2	isochorismatase	3.90	1.96	0.00	0.00
205032_at	ITGA2	integrin, alpha 2	3.79	1.92	0.00	0.00
205786_s_at	ITGAM	integrin, alpha M	3.79	1.92	0.00	0.00
202746_at	ITM2A	integral membra	0.20	-2.33	0.00	0.00
202661_at	ITPR2	inositol 1,4,5-trip	0.29	-1.79	0.00	0.00
211360_s_at	ITPR2	inositol 1,4,5-trip	0.22	-2.19	0.00	0.00
202660_at	ITPR2	inositol 1,4,5-trip	0.20	-2.31	0.00	0.00
202662_s_at	ITPR2	inositol 1,4,5-trip	0.14	-2.82	0.00	0.00
216495_x_at	IVD	isovaleryl Coenz	5.15	2.36	0.00	0.00
205841_at	JAK2	Janus kinase 2	0.18	-2.47	0.00	0.00
218560_s_at	JMJD4	jumonji domain c	3.72	1.90	0.00	0.00
201466_s_at	JUN	jun oncogene	4.97	2.31	0.00	0.00
201464_x_at	JUN	jun oncogene	3.75	1.91	0.00	0.00
218418_s_at	KANK2	KN motif and anl	3.55	1.83	0.00	0.00
219106_s_at	KBTBD10	kelch repeat and	0.24	-2.06	0.00	0.00
210078_s_at	KCNAB1	potassium voltaç	0.21	-2.24	0.00	0.00

213832_at	KCND3	potassium voltaç	0.26	-1.94	0.00	0.00
210119_at	KCNJ15	potassium inwar	8.89	3.15	0.00	0.00
206765_at	KCNJ2	potassium inwar	0.23	-2.10	0.00	0.00
221584_s_at	KCNMA1	potassium large	3.95	1.98	0.00	0.00
206231_at	KCNN1	potassium intern	4.74	2.25	0.00	0.00
211217_s_at	KCNQ1	potassium voltaç	3.04	1.60	0.00	0.00
207366_at	KCNS1	potassium voltaç	3.02	1.59	0.00	0.00
212188_at	KCTD12	potassium chanr	0.24	-2.09	0.00	0.00
45653_at	KCTD13	potassium chanr	0.23	-2.14	0.00	0.00
217894_at	KCTD3	potassium chanr	0.18	-2.48	0.00	0.00
209984_at	KDM4C	lysine (K)-specifi	0.24	-2.09	0.00	0.00
202383_at	KDM5C	lysine (K)-specifi	3.36	1.75	0.00	0.00
203991_s_at	KDM6A	lysine (K)-specifi	0.29	-1.78	0.00	0.00
212523_s_at	KIAA0146	KIAA0146	0.25	-2.00	0.00	0.00
212057_at	KIAA0182	KIAA0182	0.25	-2.02	0.00	0.00
38892_at	KIAA0240	KIAA0240	0.26	-1.97	0.00	0.00
213208_at	KIAA0240	KIAA0240	0.21	-2.23	0.00	0.00
214356_s_at	KIAA0368	KIAA0368	0.32	-1.63	0.00	0.00
212427_at	KIAA0368	KIAA0368	0.14	-2.89	0.00	0.00
203900_at	KIAA0467	KIAA0467	0.23	-2.09	0.00	0.00
214295_at	KIAA0485	hypothetical LOC	0.30	-1.76	0.00	0.01
212943_at	KIAA0528	KIAA0528	0.19	-2.43	0.00	0.00
204075_s_at	KIAA0562	KIAA0562	0.09	-3.47	0.00	0.00
209021_x_at	KIAA0652	KIAA0652	3.06	1.61	0.00	0.00
215268_at	KIAA0754	KIAA0754	0.11	-3.26	0.00	0.00
212633_at	KIAA0776	KIAA0776	0.25	-1.99	0.00	0.00
213358_at	KIAA0802	KIAA0802	12.12	3.60	0.00	0.00
213424_at	KIAA0895	KIAA0895	0.04	-4.53	0.00	0.00
214098_at	KIAA1107	KIAA1107	0.27	-1.89	0.00	0.00
212942_s_at	KIAA1199	KIAA1199	6.02	2.59	0.00	0.00
204444_at	KIF11	kinesin family m	0.33	-1.59	0.01	0.02
220777_at	KIF13A	kinesin family m	0.18	-2.52	0.00	0.00
208128_x_at	KIF25	kinesin family m	3.59	1.84	0.00	0.00
203087_s_at	KIF2A	kinesin heavy ch	3.34	1.74	0.00	0.00
203130_s_at	KIF5C	kinesin family m	0.22	-2.18	0.00	0.00
221302_at	KLF15	Kruppel-like fact	3.55	1.83	0.00	0.00
220266_s_at	KLF4	Kruppel-like fact	0.20	-2.35	0.00	0.00
209212_s_at	KLF5	Kruppel-like fact	0.15	-2.78	0.00	0.00
209211_at	KLF5	Kruppel-like fact	0.14	-2.85	0.00	0.00
204334_at	KLF7	Kruppel-like fact	6.19	2.63	0.00	0.00
219930_at	KLF8	Kruppel-like fact	0.22	-2.18	0.00	0.00
203543_s_at	KLF9	Kruppel-like fact	0.15	-2.79	0.00	0.00
204176_at	KLHL20	kelch-like 20 (Dr	0.23	-2.12	0.00	0.00
221986_s_at	KLHL24	kelch-like 24 (Dr	0.14	-2.82	0.00	0.00
216699_s_at	KLK1	kallikrein 1	0.33	-1.60	0.00	0.00
205470_s_at	KLK11	kallikrein-related	0.29	-1.81	0.01	0.02
220782_x_at	KLK12	kallikrein-related	10.34	3.37	0.00	0.00
205783_at	KLK13	kallikrein-related	4.73	2.24	0.00	0.00

204733_at	KLK6	kallikrein-related	36.32	5.18	0.00	0.00
206316_s_at	KNTC1	kinetochore assc	0.31	-1.68	0.00	0.00
204010_s_at	KRAS	v-Ki-ras2 Kirsten	0.13	-2.90	0.00	0.00
216713_at	KRIT1	KRIT1, ankyrin r	0.31	-1.67	0.00	0.00
34031_i_at	KRIT1	KRIT1, ankyrin r	0.18	-2.50	0.00	0.00
203203_s_at	KRR1	KRR1, small sub	0.20	-2.31	0.00	0.00
207935_s_at	KRT13	keratin 13	30.54	4.93	0.00	0.00
209800_at	KRT16	keratin 16	46.49	5.54	0.00	0.00
205157_s_at	KRT17	keratin 17	28.30	4.82	0.00	0.00
212236_x_at	KRT17	keratin 17	25.51	4.67	0.00	0.00
207908_at	KRT2	keratin 2	0.08	-3.58	0.02	0.03
218963_s_at	KRT23	keratin 23 (histor	0.27	-1.90	0.01	0.02
206677_at	KRT31	keratin 31	0.23	-2.10	0.01	0.01
206969_at	KRT34	keratin 34	4.82	2.27	0.00	0.00
209125_at	KRT6A	keratin 6A	408.60	8.68	0.00	0.00
213680_at	KRT6B	keratin 6B	669.17	9.39	0.00	0.00
209126_x_at	KRT6B	keratin 6B	92.65	6.53	0.00	0.00
207065_at	KRT75	keratin 75	55.49	5.79	0.00	0.00
208188_at	KRT9	keratin 9	7.39	2.89	0.00	0.00
208532_x_at	KRTAP5-8	keratin associate	6.43	2.69	0.00	0.00
217388_s_at	KYNU	kynureninase (L-	9.95	3.31	0.00	0.00
204385_at	KYNU	kynureninase (L-	4.62	2.21	0.00	0.00
220089_at	L2HGDH	L-2-hydroxygluta	0.25	-2.01	0.00	0.00
216076_at	L3MBTL	l(3)mbt-like (Dro:	3.63	1.86	0.00	0.00
210306_at	L3MBTL	l(3)mbt-like (Dro:	0.17	-2.54	0.00	0.00
210089_s_at	LAMA4	laminin, alpha 4	0.29	-1.77	0.00	0.00
209270_at	LAMB3	laminin, beta 3	5.93	2.57	0.00	0.00
215516_at	LAMB4	laminin, beta 4	0.06	-4.19	0.00	0.00
200770_s_at	LAMC1	laminin, gamma	3.41	1.77	0.00	0.00
212193_s_at	LARP1	La ribonucleoprc	0.29	-1.78	0.00	0.00
212446_s_at	LASS6	LAG1 homolog, i	0.31	-1.70	0.00	0.00
212442_s_at	LASS6	LAG1 homolog, i	0.25	-2.01	0.00	0.00
207734_at	LAX1	lymphocyte trans	0.24	-2.06	0.00	0.00
212531_at	LCN2	lipocalin 2	23.37	4.55	0.00	0.00
201030_x_at	LDHB	lactate dehydrog	3.10	1.63	0.01	0.01
202068_s_at	LDLR	low density lipop	4.34	2.12	0.00	0.00
202067_s_at	LDLR	low density lipop	3.29	1.72	0.00	0.00
204454_at	LDOC1	leucine zipper, d	0.23	-2.11	0.00	0.00
201105_at	LGALS1	lectin, galactosid	3.64	1.86	0.00	0.00
200923_at	LGALS3BP	lectin, galactosid	4.01	2.00	0.00	0.00
218326_s_at	LGR4	leucine-rich repe	0.25	-1.99	0.00	0.00
214471_x_at	LHB	luteinizing hormc	3.24	1.69	0.00	0.00
212658_at	LHFPL2	lipoma HMGIC fi	6.04	2.59	0.00	0.00
206140_at	LHX2	LIM homeobox 2	4.35	2.12	0.02	0.04
205266_at	LIF	leukemia inhibitc	0.24	-2.06	0.00	0.00
211336_x_at	LILRB1	leukocyte immur	3.71	1.89	0.00	0.00
212325_at	LIMCH1	LIM and calponir	3.62	1.85	0.00	0.00
204356_at	LIMK1	LIM domain kina	3.68	1.88	0.00	0.00

201847_at	LIPA	lipase A, lysosor	4.98	2.32	0.00	0.00
219181_at	LIPG	lipase, endotheli	6.65	2.73	0.00	0.00
206123_at	LLGL1	lethal giant larva	4.21	2.08	0.00	0.00
218574_s_at	LMCD1	LIM and cysteine	5.54	2.47	0.00	0.00
219136_s_at	LMF1	lipase maturator	0.25	-2.00	0.00	0.00
46142_at	LMF1	lipase maturator	0.22	-2.21	0.00	0.00
217548_at	LOC100129502	hypothetical prot	0.30	-1.73	0.00	0.00
214850_at	LOC100170939	glucuronidase, b	0.17	-2.60	0.00	0.00
213605_s_at	LOC100272216	hypothetical LOC	0.32	-1.63	0.00	0.00
213089_at	LOC100272216	hypothetical LOC	0.32	-1.65	0.00	0.00
213703_at	LOC150759	hypothetical prot	0.13	-2.99	0.00	0.00
215978_x_at	LOC152719	hypothetical prot	3.65	1.87	0.00	0.00
220609_at	LOC202181	hypothetical prot	0.11	-3.15	0.00	0.00
213510_x_at	LOC220594	TL132 protein	0.31	-1.67	0.00	0.00
217219_at	LOC26102	hypothetical LOC	3.83	1.94	0.00	0.00
216387_x_at	LOC399804	similar to nucleo	0.33	-1.59	0.00	0.00
217667_at	LOC729799	SEC14-like 1 psr	0.27	-1.91	0.00	0.00
214712_at	LOC730092	RRN3 RNA poly	0.28	-1.85	0.00	0.00
215202_at	LOC91316	glucuronidase, b	4.00	2.00	0.00	0.00
213502_x_at	LOC91316	glucuronidase, b	0.32	-1.64	0.01	0.02
215446_s_at	LOX	lysyl oxidase	5.71	2.52	0.00	0.00
202998_s_at	LOXL2	lysyl oxidase-like	3.78	1.92	0.00	0.00
204037_at	LPAR1	lysophosphatidic	0.28	-1.82	0.00	0.00
201818_at	LPCAT1	lysophosphatidyl	3.47	1.80	0.00	0.00
40472_at	LPCAT4	lysophosphatidyl	0.27	-1.88	0.00	0.00
215409_at	LPCAT4	lysophosphatidyl	0.14	-2.80	0.00	0.00
219145_at	LPHN1	latrophilin 1	0.29	-1.79	0.00	0.00
209867_s_at	LPHN3	latrophilin 3	5.08	2.35	0.00	0.00
35974_at	LRMP	lymphoid-restrict	0.33	-1.60	0.00	0.00
204381_at	LRP3	low density lipop	3.26	1.70	0.00	0.00
212850_s_at	LRP4	low density lipop	0.13	-2.92	0.00	0.00
34697_at	LRP6	low density lipop	0.21	-2.24	0.00	0.00
220220_at	LRR37A4	leucine rich repe	0.26	-1.92	0.00	0.00
208140_s_at	LRR37A4	leucine rich repe	0.26	-1.97	0.00	0.00
222231_s_at	LRR37A4	leucine rich repe	7.40	2.89	0.00	0.00
218907_s_at	LRR37A4	leucine rich repe	3.55	1.83	0.00	0.00
212976_at	LRR37A4	leucine rich repe	0.28	-1.82	0.00	0.00
215375_x_at	LRR37A4	leucine rich repe	0.29	-1.77	0.00	0.00
216164_at	LRR37A4	leucine rich repe	3.38	1.76	0.00	0.00
212924_s_at	LRR37A4	leucine rich repe	3.95	1.98	0.00	0.00
211018_at	LSS	lanosterol synthe	0.24	-2.06	0.00	0.01
202729_s_at	LTBP1	latent transformii	12.93	3.69	0.00	0.00
202728_s_at	LTBP1	latent transformii	3.15	1.66	0.00	0.00
208835_s_at	LUC7L3	LUC7-like 3 (S. c	0.21	-2.24	0.00	0.00
201744_s_at	LUM	lumican	3.66	1.87	0.01	0.01
205668_at	LY75	lymphocyte antiç	0.11	-3.17	0.00	0.00
213975_s_at	LYZ	lysozyme (renal	6.63	2.73	0.00	0.00
219188_s_at	MACROD1	MACRO domain	0.33	-1.61	0.00	0.00

209348_s_at	MAF	v-maf musculoar	0.25	-1.99	0.00	0.00
206144_at	MAGI1	membrane assoi	0.32	-1.66	0.00	0.00
217282_at	MAN1A2	mannosidase, al	0.14	-2.88	0.00	0.00
219999_at	MAN2A2	mannosidase, al	0.10	-3.34	0.00	0.00
204389_at	MAOA	monoamine oxid	0.23	-2.14	0.00	0.00
215498_s_at	MAP2K3	mitogen-activate	0.28	-1.85	0.00	0.00
216765_at	MAP2K5	mitogen-activate	0.13	-2.95	0.00	0.00
216206_x_at	MAP2K7	mitogen-activate	0.24	-2.06	0.00	0.00
214786_at	MAP3K1	mitogen-activate	0.19	-2.41	0.00	0.00
206362_x_at	MAP3K10	mitogen-activate	3.08	1.62	0.00	0.00
206249_at	MAP3K13	mitogen-activate	0.33	-1.59	0.00	0.00
205027_s_at	MAP3K8	mitogen-activate	0.25	-2.03	0.00	0.00
218311_at	MAP4K3	mitogen-activate	0.09	-3.43	0.00	0.00
211081_s_at	MAP4K5	mitogen-activate	0.06	-4.19	0.00	0.00
211500_at	MAPK11	mitogen-activate	4.76	2.25	0.00	0.00
211561_x_at	MAPK14	mitogen-activate	4.06	2.02	0.00	0.00
210570_x_at	MAPK9	mitogen-activate	3.06	1.62	0.00	0.00
206401_s_at	MAPT	microtubule-assc	0.28	-1.83	0.00	0.00
214048_at	MBD4	methyl-CpG binc	0.23	-2.10	0.00	0.00
218411_s_at	MBIP	MAP3K12 bindin	0.25	-2.01	0.00	0.00
201151_s_at	MBNL1	muscleblind-like	0.29	-1.77	0.00	0.00
211037_s_at	MBOAT7	membrane boun	3.29	1.72	0.00	0.00
207115_x_at	MBTD1	mbt domain cont	0.22	-2.21	0.00	0.00
208568_at	MC2R	melanocortin 2 r	3.39	1.76	0.00	0.00
211340_s_at	MCAM	melanoma cell a	16.54	4.05	0.00	0.00
209087_x_at	MCAM	melanoma cell a	7.52	2.91	0.00	0.00
209086_x_at	MCAM	melanoma cell a	6.01	2.59	0.00	0.00
210869_s_at	MCAM	melanoma cell a	5.34	2.42	0.00	0.00
220464_at	MCF2L	MCF.2 cell line d	0.22	-2.16	0.00	0.00
212935_at	MCF2L	MCF.2 cell line d	0.17	-2.55	0.00	0.00
35147_at	MCF2L	MCF.2 cell line d	0.15	-2.77	0.00	0.00
209035_at	MDK	midkine (neurite	3.37	1.75	0.00	0.00
213761_at	MDM1	Mdm1 nuclear pi	0.15	-2.74	0.00	0.00
202616_s_at	MECP2	methyl CpG binc	0.26	-1.95	0.00	0.00
218664_at	MECR	mitochondrial tra	5.62	2.49	0.00	0.00
203497_at	MED1	mediator comple	0.23	-2.15	0.00	0.00
212208_at	MED13L	mediator comple	0.33	-1.59	0.00	0.00
212207_at	MED13L	mediator comple	0.23	-2.12	0.00	0.00
216109_at	MED13L	mediator comple	0.12	-3.06	0.00	0.00
202611_s_at	MED14	mediator comple	0.25	-1.98	0.00	0.00
221418_s_at	MED16	mediator comple	3.70	1.89	0.00	0.00
221517_s_at	MED17	mediator comple	0.33	-1.59	0.00	0.00
51176_at	MED27	mediator comple	3.44	1.78	0.00	0.00
207078_at	MED6	mediator comple	0.08	-3.69	0.00	0.00
208328_s_at	MEF2A	myocyte enhanc	0.27	-1.89	0.00	0.00
212831_at	MEGF9	multiple EGF-like	0.24	-2.07	0.00	0.00
213899_at	METAP2	methionyl amino	0.33	-1.61	0.00	0.00
220797_at	METT10D	methyltransferas	0.25	-2.03	0.00	0.00

213653_at	METTL3	methyltransferas	0.26	-1.95	0.00	0.00
209703_x_at	METTL7A	methyltransferas	0.26	-1.94	0.00	0.00
211424_x_at	METTL7A	methyltransferas	0.21	-2.27	0.00	0.00
203417_at	MFAP2	microfibrillar-ass	6.55	2.71	0.00	0.00
205442_at	MFAP3L	microfibrillar-ass	0.23	-2.15	0.00	0.00
219858_s_at	MFSD6	major faciilitator ε	0.19	-2.38	0.00	0.00
211386_at	MGC12488	hypothetical prot	0.18	-2.45	0.00	0.00
202291_s_at	MGP	matrix Gla protei	3.87	1.95	0.01	0.01
212473_s_at	MICAL2	microtubule assc	3.28	1.71	0.00	0.00
212472_at	MICAL2	microtubule assc	3.04	1.61	0.00	0.00
203636_at	MID1	midline 1 (Opitz/	6.06	2.60	0.00	0.00
221863_at	MIER2	mesoderm induc	4.67	2.22	0.00	0.00
214625_s_at	MINK1	misshapen-like k	4.35	2.12	0.00	0.00
216845_x_at	MLL2	myeloid/lymphoi	4.68	2.23	0.00	0.00
216382_s_at	MLL2	myeloid/lymphoi	3.11	1.64	0.00	0.00
211071_s_at	MLLT11	myeloid/lymphoi	3.02	1.59	0.01	0.01
204918_s_at	MLLT3	myeloid/lymphoi	0.29	-1.81	0.00	0.00
214939_x_at	MLLT4	myeloid/lymphoi	3.43	1.78	0.00	0.00
203414_at	MMD	monocyte to mar	0.27	-1.87	0.00	0.00
204475_at	MMP1	matrix metallope	16.61	4.05	0.01	0.02
205680_at	MMP10	matrix metallope	7.21	2.85	0.00	0.00
203878_s_at	MMP11	matrix metallope	5.57	2.48	0.00	0.00
202828_s_at	MMP14	matrix metallope	4.06	2.02	0.00	0.00
201069_at	MMP2	matrix metallope	5.85	2.55	0.00	0.00
203936_s_at	MMP9	matrix metallope	3.85	1.94	0.01	0.01
219959_at	MOCOS	molybdenum cof	3.22	1.69	0.00	0.00
219852_s_at	MORN1	MORN repeat cc	9.09	3.19	0.00	0.00
221771_s_at	MPHOSPH8	M-phase phosph	0.27	-1.90	0.00	0.00
201874_at	MPZL1	myelin protein ze	8.32	3.06	0.00	0.00
210594_x_at	MPZL1	myelin protein ze	5.33	2.41	0.00	0.00
210087_s_at	MPZL1	myelin protein ze	4.65	2.22	0.00	0.00
201875_s_at	MPZL1	myelin protein ze	3.21	1.68	0.00	0.00
203779_s_at	MPZL2	myelin protein ze	3.79	1.92	0.00	0.00
210528_at	MR1	major histocomp	0.24	-2.08	0.00	0.00
217919_s_at	MRPL42	mitochondrial rib	3.49	1.80	0.00	0.00
215919_s_at	MRPS11	mitochondrial rib	0.27	-1.87	0.00	0.00
219666_at	MS4A6A	membrane-span	9.99	3.32	0.00	0.00
205887_x_at	MSH3	mutS homolog 3	0.19	-2.42	0.00	0.00
218733_at	MSL2	male-specific letl	0.23	-2.14	0.00	0.00
207430_s_at	MSMB	microseminoprof	0.26	-1.96	0.02	0.04
219281_at	MSRA	methionine sulfo	3.42	1.77	0.00	0.00
218773_s_at	MSRB2	methionine sulfo	3.24	1.70	0.00	0.00
204326_x_at	MT1X	metallothionein 1	0.29	-1.78	0.00	0.00
204956_at	MTAP	methylthioadeno	0.24	-2.05	0.00	0.00
203347_s_at	MTF2	metal response ε	0.16	-2.67	0.00	0.00
220346_at	MTHFD2L	methylenetetrah	0.33	-1.62	0.00	0.00
36920_at	MTM1	myotubularin 1	0.16	-2.61	0.00	0.00
219822_at	MTRF1	mitochondrial tra	0.30	-1.73	0.00	0.00

203199_s_at	MTRR	5-methyltetrahyd	0.28	-1.82	0.00	0.00
36907_at	MVK	mevalonate kina	4.34	2.12	0.00	0.00
202086_at	MX1	myxovirus (influe	39.03	5.29	0.00	0.00
204994_at	MX2	myxovirus (influe	13.44	3.75	0.00	0.00
206877_at	MXD1	MAX dimerizatio	3.24	1.70	0.00	0.00
212509_s_at	MXRA7	matrix-remodelli	3.05	1.61	0.00	0.00
213422_s_at	MXRA8	matrix-remodelli	3.20	1.68	0.00	0.00
204798_at	MYB	v-myb myeloblas	0.17	-2.58	0.00	0.00
213906_at	MYBL1	v-myb myeloblas	0.29	-1.81	0.00	0.00
201710_at	MYBL2	v-myb myeloblas	3.68	1.88	0.00	0.00
208040_s_at	MYBPC3	myosin binding p	4.15	2.05	0.00	0.00
212372_at	MYH10	myosin, heavy cl	3.53	1.82	0.00	0.00
219946_x_at	MYH14	myosin, heavy cl	7.97	3.00	0.00	0.00
205940_at	MYH3	myosin, heavy cl	0.29	-1.80	0.00	0.00
220319_s_at	MYLIP	myosin regulator	0.23	-2.12	0.00	0.00
202555_s_at	MYLK	myosin light chai	6.87	2.78	0.00	0.00
212365_at	MYO1B	myosin IB	5.38	2.43	0.00	0.00
212364_at	MYO1B	myosin IB	3.13	1.65	0.00	0.00
204527_at	MYO5A	myosin VA (heav	4.39	2.13	0.00	0.00
203215_s_at	MYO6	myosin VI	0.29	-1.79	0.00	0.00
206657_s_at	MYOD1	myogenic differe	3.59	1.84	0.00	0.00
219509_at	MYOZ1	myozenin 1	4.93	2.30	0.00	0.00
213375_s_at	N4BP2L1	NEDD4 binding p	0.16	-2.63	0.00	0.00
202258_s_at	N4BP2L2	NEDD4 binding p	0.32	-1.65	0.00	0.00
221899_at	N4BP2L2	NEDD4 binding p	0.25	-1.98	0.00	0.00
214753_at	N4BP2L2	NEDD4 binding p	0.21	-2.23	0.00	0.00
202259_s_at	N4BP2L2	NEDD4 binding p	0.19	-2.39	0.00	0.00
204860_s_at	NAIP	NLR family, apo	0.20	-2.34	0.00	0.00
220184_at	NANOG	Nanog homeobo	0.27	-1.90	0.00	0.00
219368_at	NAP1L2	nucleosome ass	0.09	-3.44	0.00	0.00
204749_at	NAP1L3	nucleosome ass	0.28	-1.84	0.00	0.00
219158_s_at	NARG1	NMDA receptor i	0.31	-1.68	0.00	0.00
219378_at	NARG1L	NMDA receptor i	0.21	-2.26	0.00	0.00
218330_s_at	NAV2	neuron navigato	4.93	2.30	0.00	0.00
221207_s_at	NBEA	neurobeachin	0.32	-1.66	0.00	0.00
211685_s_at	NCALD	neurocalcin deltat	3.27	1.71	0.00	0.00
209556_at	NCDN	neurochondrin	5.68	2.51	0.00	0.00
209557_s_at	NCDN	neurochondrin	5.15	2.36	0.00	0.00
203315_at	NCK2	NCK adaptor prc	3.20	1.68	0.00	0.00
216114_at	NCKIPSD	NCK interacting	3.18	1.67	0.00	0.00
205731_s_at	NCOA2	nuclear receptor	0.23	-2.13	0.00	0.00
209062_x_at	NCOA3	nuclear receptor	3.03	1.60	0.00	0.00
217045_x_at	NCR2	natural cytotoxic	4.30	2.11	0.00	0.00
217493_x_at	NCR2	natural cytotoxic	3.77	1.92	0.00	0.00
203245_s_at	NCRNA00094	non-protein codi	3.32	1.73	0.00	0.00
218160_at	NDUFA8	NADH dehydrog	4.12	2.04	0.00	0.00
214241_at	NDUFB8	NADH dehydrog	0.25	-1.98	0.00	0.00
214657_s_at	NEAT1	nuclear paraspe	0.25	-1.99	0.00	0.00

217585_at	NEBL	nebulette	0.31	-1.67	0.01	0.01
203962_s_at	NEBL	nebulette	0.29	-1.79	0.02	0.04
203961_at	NEBL	nebulette	0.23	-2.12	0.00	0.00
213012_at	NEDD4	neural precursor	0.27	-1.88	0.00	0.00
212445_s_at	NEDD4L	neural precursor	3.64	1.86	0.00	0.00
213116_at	NEK3	NIMA (never in r	0.19	-2.37	0.00	0.00
204634_at	NEK4	NIMA (never in r	0.29	-1.78	0.00	0.00
203413_at	NELL2	NEL-like 2 (chick	12.19	3.61	0.00	0.00
214125_s_at	NENF	neuron derived r	3.16	1.66	0.00	0.00
218678_at	NES	nestin	6.37	2.67	0.00	0.00
218888_s_at	NETO2	neuropilin (NRP)	6.42	2.68	0.00	0.00
204889_s_at	NEURL	neuralized homo	5.24	2.39	0.00	0.00
213438_at	NFASC	neurofascin hom	0.14	-2.89	0.00	0.00
208196_x_at	NFATC1	nuclear factor of	3.01	1.59	0.00	0.00
210556_at	NFATC3	nuclear factor of	0.18	-2.45	0.00	0.00
213033_s_at	NFIB	nuclear factor I/E	0.33	-1.60	0.00	0.00
211466_at	NFIB	nuclear factor I/E	0.27	-1.91	0.00	0.00
209289_at	NFIB	nuclear factor I/E	0.17	-2.54	0.00	0.00
213032_at	NFIB	nuclear factor I/E	0.08	-3.62	0.00	0.00
209973_at	NFKBIL1	nuclear factor of	3.61	1.85	0.00	0.00
210268_at	NFX1	nuclear transcrip	0.15	-2.72	0.00	0.00
204109_s_at	NFYA	nuclear transcrip	4.05	2.02	0.00	0.00
218128_at	NFYB	nuclear transcrip	0.24	-2.05	0.00	0.00
216263_s_at	NGDN	neuroguidin, EIF	0.21	-2.26	0.00	0.00
215228_at	NHLH2	nescient helix lox	0.15	-2.70	0.00	0.00
219353_at	NHLRC2	NHL repeat cont	0.13	-2.96	0.00	0.00
202007_at	NID1	nidogen 1	5.92	2.57	0.00	0.00
219594_at	NINJ2	ninjurin 2	3.53	1.82	0.00	0.00
212129_at	NIPA2	non imprinted in	3.74	1.90	0.00	0.00
212483_at	NIPBL	Nipped-B homolo	0.29	-1.78	0.00	0.00
207108_s_at	NIPBL	Nipped-B homolo	0.23	-2.12	0.00	0.00
205004_at	NKRF	NFKB repressing	0.27	-1.88	0.00	0.00
215338_s_at	NKTR	natural killer-tum	0.26	-1.96	0.00	0.00
206578_at	NKX2-5	NK2 transcrip	5.15	2.37	0.00	0.00
221933_at	NLGN4X	neuroligin 4, X-li	5.84	2.55	0.00	0.00
205204_at	NMB	neuromedin B	4.87	2.28	0.00	0.00
215743_at	NMT2	N-myristoyltrans	0.28	-1.84	0.00	0.00
215069_at	NMT2	N-myristoyltrans	0.22	-2.21	0.00	0.00
206023_at	NMU	neuromedin U	0.21	-2.23	0.00	0.00
202237_at	NNMT	nicotinamide N-r	5.51	2.46	0.00	0.00
214722_at	NOTCH2NL	Notch homolog 2	0.25	-2.03	0.00	0.00
204501_at	NOV	nephroblastoma	0.33	-1.61	0.00	0.00
214321_at	NOV	nephroblastoma	0.18	-2.52	0.00	0.00
201695_s_at	NP	nucleoside phos	5.24	2.39	0.00	0.00
211584_s_at	NPAT	nuclear protein, i	0.32	-1.63	0.00	0.00
221210_s_at	NPL	N-acetylneurami	3.07	1.62	0.00	0.01
214066_x_at	NPR2	natriuretic peptid	0.32	-1.63	0.00	0.00
205440_s_at	NPY1R	neuropeptide Y r	0.08	-3.61	0.00	0.00

210519_s_at	NQO1	NAD(P)H dehydi	5.46	2.45	0.00	0.00
201467_s_at	NQO1	NAD(P)H dehydi	3.97	1.99	0.00	0.00
201468_s_at	NQO1	NAD(P)H dehydi	3.93	1.97	0.01	0.02
209119_x_at	NR2F2	nuclear receptor	0.13	-2.96	0.00	0.00
205259_at	NR3C2	nuclear receptor	0.23	-2.10	0.00	0.00
211143_x_at	NR4A1	nuclear receptor	3.79	1.92	0.00	0.00
210226_at	NR4A1	nuclear receptor	3.70	1.89	0.00	0.00
209959_at	NR4A3	nuclear receptor	4.68	2.23	0.00	0.00
219557_s_at	NRIP3	nuclear receptor	3.08	1.63	0.00	0.00
210510_s_at	NRP1	neuropilin 1	3.51	1.81	0.00	0.00
210841_s_at	NRP2	neuropilin 2	3.71	1.89	0.00	0.00
210683_at	NRTN	neurturin	0.28	-1.84	0.00	0.00
209279_s_at	NSDHL	NAD(P) dependt	4.85	2.28	0.00	0.00
219067_s_at	NSMCE4A	non-SMC eleme	0.27	-1.90	0.00	0.00
222128_at	NSUN6	NOL1/NOP2/Sur	0.16	-2.68	0.00	0.00
222020_s_at	NTM	neurotrimin	0.33	-1.62	0.00	0.00
221796_at	NTRK2	neurotrophic tyrc	0.28	-1.82	0.01	0.02
203978_at	NUBP1	nucleotide bindir	3.44	1.78	0.00	0.00
214136_at	NUDT13	nudix (nucleosid	0.10	-3.36	0.00	0.00
213461_at	NUDT21	nudix (nucleosid	0.23	-2.13	0.00	0.00
220183_s_at	NUDT6	nudix (nucleosid	0.22	-2.16	0.00	0.00
205134_s_at	NUFIP1	nuclear fragile X	0.23	-2.11	0.00	0.00
214250_at	NUMA1	nuclear mitotic a	0.27	-1.91	0.01	0.01
207545_s_at	NUMB	numb homolog (	0.25	-2.03	0.00	0.00
212709_at	NUP160	nucleoporin 160l	0.27	-1.89	0.00	0.00
218294_s_at	NUP50	nucleoporin 50kI	0.23	-2.13	0.00	0.00
220520_s_at	NUP62CL	nucleoporin 62kI	0.30	-1.74	0.00	0.00
209230_s_at	NUPR1	nuclear protein, 1	0.28	-1.86	0.00	0.00
202869_at	OAS1	2',5'-oligoadenyl:	6.79	2.76	0.00	0.00
205552_s_at	OAS1	2',5'-oligoadenyl:	4.97	2.31	0.00	0.00
204972_at	OAS2	2'-5'-oligoadenyl:	3.79	1.92	0.00	0.00
205660_at	OASL	2'-5'-oligoadenyl:	8.43	3.08	0.00	0.00
210797_s_at	OASL	2'-5'-oligoadenyl:	5.93	2.57	0.00	0.00
201364_s_at	OAZ2	ornithine decarbi	4.70	2.23	0.00	0.00
219100_at	OBFC1	oligonucleotide/c	4.32	2.11	0.00	0.00
220848_x_at	OBP2A	odorant binding |	3.93	1.98	0.00	0.00
200790_at	ODC1	ornithine decarbi	5.27	2.40	0.00	0.00
44617_at	OGFOD2	2-oxoglutarate a	5.05	2.34	0.00	0.00
219246_s_at	OGFOD2	2-oxoglutarate a	0.33	-1.59	0.00	0.00
204853_at	ORC2L	origin recognitior	0.29	-1.78	0.00	0.00
211212_s_at	ORC5L	origin recognitior	0.29	-1.80	0.00	0.00
209221_s_at	OSBPL2	oxysterol binding	0.33	-1.59	0.00	0.00
212582_at	OSBPL8	oxysterol binding	0.31	-1.72	0.00	0.00
213568_at	OSR2	odd-skipped rela	6.60	2.72	0.00	0.00
38710_at	OTUB1	OTU domain, ub	3.79	1.92	0.00	0.00
206604_at	OVOL1	ovo-like 1(Droso	3.33	1.73	0.00	0.00
202780_at	OXCT1	3-oxoacid CoA tr	0.26	-1.92	0.00	0.00
218197_s_at	OXR1	oxidation resista	0.25	-1.98	0.00	0.00

207091_at	P2RX7	purinergic recept	0.33	-1.62	0.00	0.00
206637_at	P2RY14	purinergic recept	0.22	-2.17	0.00	0.00
214794_at	PA2G4	proliferation-ass	0.28	-1.84	0.00	0.00
213754_s_at	PAIP1	poly(A) binding f	0.32	-1.64	0.00	0.00
221868_at	PAIP2B	poly(A) binding f	0.21	-2.24	0.00	0.00
208876_s_at	PAK2	p21 protein (Cdc	0.20	-2.34	0.00	0.00
200906_s_at	PALLD	palladin, cytoske	5.43	2.44	0.00	0.00
200907_s_at	PALLD	palladin, cytoske	3.52	1.81	0.00	0.00
200897_s_at	PALLD	palladin, cytoske	3.20	1.68	0.00	0.00
212958_x_at	PAM	peptidylglycine a	5.12	2.36	0.00	0.00
202336_s_at	PAM	peptidylglycine a	4.72	2.24	0.00	0.00
213661_at	PAMR1	peptidase domai	0.22	-2.20	0.02	0.03
221941_at	PAOX	polyamine oxida	3.20	1.68	0.00	0.00
212720_at	PAPOLA	poly(A) polymera	0.28	-1.86	0.00	0.00
215374_at	PAPOLA	poly(A) polymera	0.27	-1.92	0.00	0.00
221527_s_at	PARD3	par-3 partitioning	0.31	-1.68	0.00	0.00
205245_at	PARD6A	par-6 partitioning	3.85	1.94	0.00	0.00
218543_s_at	PARP12	poly (ADP-ribose	3.09	1.63	0.00	0.00
217890_s_at	PARVA	parvin, alpha	3.40	1.77	0.00	0.00
214237_x_at	PAWR	PRKC, apoptosis	4.10	2.04	0.00	0.00
205646_s_at	PAX6	paired box 6	3.20	1.68	0.00	0.00
121_at	PAX8	paired box 8	5.93	2.57	0.00	0.00
219543_at	PBLD	phenazine biosy	0.31	-1.68	0.00	0.00
202876_s_at	PBX2	pre-B-cell leuker	0.20	-2.35	0.00	0.00
212259_s_at	PBXIP1	pre-B-cell leuker	3.28	1.71	0.00	0.00
204476_s_at	PC	pyruvate carboxy	3.11	1.63	0.00	0.00
213264_at	PCBP2	poly(rC) binding	0.31	-1.70	0.00	0.00
213517_at	PCBP2	poly(rC) binding	0.21	-2.23	0.00	0.00
203860_at	PCCA	propionyl Coenz	0.29	-1.77	0.00	0.00
213369_at	PCDH21	protocadherin 21	0.08	-3.73	0.00	0.00
220186_s_at	PCDH24	protocadherin 24	4.56	2.19	0.00	0.00
208504_x_at	PCDHB11	protocadherin be	3.63	1.86	0.00	0.00
210368_at	PCDHGA8	protocadherin ge	0.29	-1.79	0.00	0.00
203378_at	PCF11	PCF11, cleavag	0.13	-2.90	0.00	0.00
203792_x_at	PCGF2	polycomb group	3.79	1.92	0.00	0.00
213558_at	PCLO	piccolo (presyna	0.26	-1.94	0.00	0.00
212406_s_at	PCMTD2	protein-L-isoasp	0.26	-1.97	0.00	0.00
205560_at	PCSK5	proprotein conve	0.25	-2.00	0.00	0.00
205559_s_at	PCSK5	proprotein conve	0.22	-2.20	0.00	0.00
210553_x_at	PCSK6	proprotein conve	3.14	1.65	0.00	0.00
207239_s_at	PCTK1	PCTAIRE protei	3.10	1.63	0.00	0.00
212594_at	PDCD4	programmed cel	0.27	-1.90	0.00	0.00
222381_at	PDCD6	programmed cel	3.09	1.63	0.00	0.00
204134_at	PDE2A	phosphodiestera	3.67	1.88	0.00	0.00
209700_x_at	PDE4DIP	phosphodiestera	0.21	-2.27	0.00	0.00
213388_at	PDE4DIP	phosphodiestera	0.17	-2.56	0.00	0.00
216867_s_at	PDGFA	platelet-derived f	3.15	1.66	0.00	0.00
221957_at	PDK3	pyruvate dehydr	7.35	2.88	0.00	0.00

206348_s_at	PDK3	pyruvate dehydr	3.18	1.67	0.00	0.00
218690_at	PDLIM4	PDZ and LIM do	4.66	2.22	0.00	0.00
203242_s_at	PDLIM5	PDZ and LIM do	0.30	-1.76	0.00	0.00
213684_s_at	PDLIM5	PDZ and LIM do	0.18	-2.52	0.00	0.00
32029_at	PDPK1	3-phosphoinositi	3.86	1.95	0.00	0.00
204742_s_at	PDS5B	PDS5, regulator	0.29	-1.80	0.00	0.00
215888_at	PDS5B	PDS5, regulator	0.25	-2.01	0.00	0.00
221992_at	PDXDC2	pyridoxal-depen	0.27	-1.87	0.00	0.00
202671_s_at	PDXK	pyridoxal (pyrido	3.18	1.67	0.00	0.00
209493_at	PDZD2	PDZ domain con	0.21	-2.28	0.00	0.00
219630_at	PDZK1IP1	PDZK1 interactir	4.12	2.04	0.00	0.00
208982_at	PECAM1	platelet/endothel	3.76	1.91	0.00	0.00
209242_at	PEG3	paternally expres	0.13	-2.94	0.00	0.00
219132_at	PELI2	pellino homolog	0.22	-2.16	0.00	0.00
205251_at	PER2	period homolog :	0.31	-1.69	0.00	0.00
204300_at	PET112L	PET112-like (ye	3.45	1.79	0.00	0.00
215023_s_at	PEX1	peroxisomal bioç	0.26	-1.95	0.00	0.00
204873_at	PEX1	peroxisomal bioç	0.09	-3.47	0.00	0.00
201706_s_at	PEX19	peroxisomal bioç	7.57	2.92	0.00	0.00
203969_at	PEX3	peroxisomal bioç	0.10	-3.33	0.00	0.00
206390_x_at	PF4	platelet factor 4	3.39	1.76	0.00	0.00
207931_s_at	PFKFB2	6-phosphofructo	3.53	1.82	0.00	0.00
204992_s_at	PFN2	profilin 2	4.11	2.04	0.00	0.00
213469_at	PGAP1	post-GPI attachr	0.11	-3.15	0.00	0.00
220576_at	PGAP1	post-GPI attachr	0.08	-3.67	0.00	0.00
219225_at	PGBD5	piggyBac transp	12.81	3.68	0.00	0.00
201118_at	PGD	phosphoglucona	5.04	2.33	0.00	0.00
209652_s_at	PGF	placental growth	3.76	1.91	0.00	0.00
218410_s_at	PGP	phosphoglycolat	3.76	1.91	0.00	0.00
204048_s_at	PHACTR2	phosphatase an	3.43	1.78	0.00	0.00
218338_at	PHC1	polyhomeotic ho	3.11	1.64	0.00	0.00
217951_s_at	PHF3	PHD finger prote	0.15	-2.79	0.00	0.00
215718_s_at	PHF3	PHD finger prote	0.14	-2.89	0.00	0.00
205450_at	PHKA1	phosphorylase k	4.02	2.01	0.00	0.00
217996_at	PHLDA1	pleckstrin homol	4.05	2.02	0.00	0.00
217997_at	PHLDA1	pleckstrin homol	3.02	1.59	0.02	0.04
216102_at	PHLDB1	pleckstrin homol	5.39	2.43	0.00	0.00
41469_at	PI3	peptidase inhibit	112.18	6.81	0.00	0.00
203691_at	PI3	peptidase inhibit	100.96	6.66	0.00	0.00
209346_s_at	PI4K2A	phosphatidylinos	3.36	1.75	0.00	0.00
214442_s_at	PIAS2	protein inhibitor (	3.79	1.92	0.00	0.00
37433_at	PIAS2	protein inhibitor (	0.12	-3.12	0.00	0.00
213239_at	PIBF1	progesterone im	0.15	-2.73	0.00	0.00
213889_at	PIGL	phosphatidylinos	0.31	-1.71	0.00	0.00
215129_at	PIK3C2G	phosphoinositide	0.28	-1.86	0.00	0.00
204369_at	PIK3CA	phosphoinositide	0.17	-2.56	0.00	0.00
217620_s_at	PIK3CB	phosphoinositide	0.12	-3.02	0.00	0.00
221757_at	PIK3IP1	phosphoinositide	3.77	1.92	0.00	0.00

213111_at	PIKFYVE	phosphoinositide	0.30	-1.73	0.00	0.00
222218_s_at	PILRA	paired immunogl	0.23	-2.10	0.00	0.00
220954_s_at	PILRB	paired immunogl	0.33	-1.59	0.00	0.00
222150_s_at	PION	pigeon homolog	0.24	-2.03	0.00	0.00
213142_x_at	PION	pigeon homolog	0.22	-2.19	0.00	0.00
205632_s_at	PIP5K1B	phosphatidylinos	0.23	-2.14	0.00	0.00
219155_at	PITPNC1	phosphatidylinos	4.90	2.29	0.00	0.00
209587_at	PITX1	paired-like home	11.90	3.57	0.00	0.00
208502_s_at	PITX1	paired-like home	7.35	2.88	0.00	0.00
218667_at	PJA1	praja ring finger	4.01	2.00	0.00	0.00
203688_at	PKD2	polycystic kidney	0.32	-1.63	0.00	0.00
221061_at	PKD2L1	polycystic kidney	5.89	2.56	0.00	0.00
212629_s_at	PKN2	protein kinase N.	0.31	-1.70	0.00	0.00
205724_at	PKP1	plakophilin 1 (ec	5.42	2.44	0.00	0.00
214874_at	PKP4	plakophilin 4	0.29	-1.79	0.00	0.00
209318_x_at	PLAGL1	pleiomorphic adt	0.10	-3.33	0.00	0.00
207943_x_at	PLAGL1	pleiomorphic adt	0.08	-3.67	0.00	0.00
207002_s_at	PLAGL1	pleiomorphic adt	0.07	-3.87	0.00	0.00
211924_s_at	PLAUR	plasminogen act	3.75	1.91	0.00	0.00
210845_s_at	PLAUR	plasminogen act	3.02	1.60	0.00	0.00
219011_at	PLEKHA4	pleckstrin homol	5.84	2.55	0.00	0.00
219566_at	PLEKHF1	pleckstrin homol	7.95	2.99	0.00	0.00
204436_at	PLEKHO2	pleckstrin homol	3.52	1.82	0.00	0.00
204886_at	PLK4	polo-like kinase	0.23	-2.13	0.00	0.00
204519_s_at	PLLP	plasma membrai	0.16	-2.61	0.00	0.00
205190_at	PLS1	plastin 1 (I isofo	0.22	-2.21	0.00	0.00
202446_s_at	PLSCR1	phospholipid scr	3.05	1.61	0.00	0.00
56197_at	PLSCR3	phospholipid scr	5.37	2.43	0.00	0.00
218828_at	PLSCR3	phospholipid scr	3.03	1.60	0.00	0.00
210139_s_at	PMP22	peripheral myelir	0.26	-1.96	0.00	0.00
179_at	PMS2L11	postmeiotic segr	12.27	3.62	0.00	0.00
212036_s_at	PNN	pinin, desmosorr	0.18	-2.47	0.00	0.00
39854_r_at	PNPLA2	patatin-like phos	7.57	2.92	0.00	0.00
220675_s_at	PNPLA3	patatin-like phos	0.21	-2.25	0.00	0.00
219756_s_at	POF1B	premature ovaric	0.11	-3.18	0.00	0.00
215281_x_at	POGZ	pogo transposat	0.29	-1.80	0.00	0.00
214226_at	POL3S	polyserase 3	3.16	1.66	0.00	0.00
202306_at	POLR2G	polymerase (RN.	3.64	1.87	0.00	0.00
60815_at	POLR2J4	polymerase (RN.	0.11	-3.22	0.00	0.00
218866_s_at	POLR3K	polymerase (RN.	3.13	1.65	0.00	0.00
220632_s_at	POMT2	protein-O-mannc	3.35	1.74	0.00	0.00
214981_at	POSTN	periostin, osteob	0.14	-2.82	0.00	0.00
210809_s_at	POSTN	periostin, osteob	0.10	-3.34	0.00	0.00
211660_at	POU2F2	POU class 2 hor	3.08	1.62	0.00	0.00
215355_at	POU2F3	POU class 2 hor	0.09	-3.50	0.00	0.00
207109_at	POU2F3	POU class 2 hor	0.08	-3.66	0.00	0.00
208345_s_at	POU3F1	POU class 3 hor	0.32	-1.63	0.00	0.00
216332_at	POU6F1	POU class 6 hor	3.29	1.72	0.00	0.00

210771_at	PPARA	peroxisome proli	0.33	-1.59	0.00	0.00
219195_at	PPARGC1A	peroxisome proli	0.15	-2.76	0.00	0.00
209433_s_at	PPAT	phosphoribosyl ç	0.25	-2.02	0.00	0.00
214374_s_at	PPFIBP1	PTPRF interactir	0.14	-2.80	0.00	0.00
217602_at	PPIA	peptidylprolyl iso	0.06	-4.09	0.00	0.00
204517_at	PPIC	peptidylprolyl iso	3.17	1.66	0.00	0.00
201490_s_at	PPIF	peptidylprolyl iso	3.18	1.67	0.00	0.00
204788_s_at	PPOX	protoporphyrinoç	0.31	-1.70	0.00	0.00
201604_s_at	PPP1R12A	protein phosphai	0.32	-1.63	0.00	0.00
201603_at	PPP1R12A	protein phosphai	0.32	-1.64	0.00	0.00
202165_at	PPP1R2	protein phosphai	0.33	-1.60	0.00	0.00
204284_at	PPP1R3C	protein phosphai	5.07	2.34	0.00	0.00
209632_at	PPP2R3A	protein phosphai	0.24	-2.04	0.00	0.00
204506_at	PPP3R1	protein phosphai	3.02	1.60	0.00	0.00
215705_at	PPP5C	protein phosphai	3.55	1.83	0.00	0.00
209826_at	PPT2	palmitoyl-protein	0.28	-1.86	0.00	0.00
213483_at	PPWD1	peptidylprolyl iso	0.24	-2.05	0.00	0.00
216458_at	PQLC3	PQ loop repeat c	3.63	1.86	0.00	0.00
211531_x_at	PRB1	proline-rich prote	6.06	2.60	0.00	0.00
210597_x_at	PRB1	proline-rich prote	3.18	1.67	0.00	0.00
37022_at	PRELP	proline/arginine-i	0.31	-1.71	0.00	0.00
205628_at	PRIM2	primase, DNA, p	0.25	-2.03	0.00	0.00
214917_at	PRKAA1	protein kinase, A	0.21	-2.26	0.00	0.00
200604_s_at	PRKAR1A	protein kinase, c	6.18	2.63	0.00	0.00
204843_s_at	PRKAR2A	protein kinase, c	3.64	1.86	0.00	0.00
203680_at	PRKAR2B	protein kinase, c	0.31	-1.70	0.00	0.00
213093_at	PRKCA	protein kinase C	0.24	-2.04	0.00	0.00
209685_s_at	PRKCB	protein kinase C	0.11	-3.13	0.00	0.00
207957_s_at	PRKCB	protein kinase C	0.11	-3.21	0.00	0.00
211084_x_at	PRKD3	protein kinase D	0.31	-1.68	0.00	0.00
218236_s_at	PRKD3	protein kinase D	0.19	-2.41	0.00	0.00
210476_s_at	PRLR	prolactin recepto	4.47	2.16	0.00	0.00
206445_s_at	PRMT1	protein arginine i	3.75	1.91	0.00	0.00
214203_s_at	PRODH	proline dehydrog	0.21	-2.24	0.00	0.00
220553_s_at	PRPF39	PRP39 pre-mRN	0.13	-2.93	0.00	0.00
214941_s_at	PRPF40A	PRP40 pre-mRN	6.74	2.75	0.00	0.00
202127_at	PRPF4B	PRP4 pre-mRN/	0.29	-1.81	0.00	0.00
211090_s_at	PRPF4B	PRP4 pre-mRN/	0.22	-2.19	0.00	0.00
205402_x_at	PRSS2	protease, serine,	5.88	2.56	0.00	0.00
202458_at	PRSS23	protease, serine,	8.48	3.08	0.00	0.00
200866_s_at	PSAP	prosaposin	3.08	1.62	0.00	0.00
205961_s_at	PSIP1	PC4 and SFRS1	0.29	-1.77	0.00	0.00
209337_at	PSIP1	PC4 and SFRS1	0.20	-2.31	0.00	0.00
201274_at	PSMA5	proteasome (pro	3.70	1.89	0.00	0.00
204279_at	PSMB9	proteasome (pro	3.38	1.76	0.00	0.00
209853_s_at	PSME3	proteasome (pro	4.40	2.14	0.00	0.00
200987_x_at	PSME3	proteasome (pro	3.74	1.90	0.00	0.00
205048_s_at	PSPH	phosphoserine p	0.07	-3.86	0.00	0.00

219658_at	PTCD2	pentatricopeptid	0.19	-2.40	0.00	0.00
211837_s_at	PTCRA	pre T-cell antigen	3.35	1.75	0.00	0.00
218967_s_at	PTER	phosphotriester	0.11	-3.15	0.00	0.00
211748_x_at	PTGDS	prostaglandin D ₂	3.63	1.86	0.00	0.00
214391_x_at	PTGER1	prostaglandin E ₁	7.50	2.91	0.00	0.00
207650_x_at	PTGER1	prostaglandin E ₁	4.27	2.09	0.00	0.00
210833_at	PTGER3	prostaglandin E ₁	0.28	-1.82	0.00	0.00
210375_at	PTGER3	prostaglandin E ₁	0.27	-1.88	0.00	0.00
211909_x_at	PTGER3	prostaglandin E ₁	0.26	-1.93	0.00	0.00
210374_x_at	PTGER3	prostaglandin E ₁	0.19	-2.38	0.00	0.00
210832_x_at	PTGER3	prostaglandin E ₁	0.15	-2.71	0.00	0.00
205911_at	PTH1R	parathyroid horr	0.18	-2.50	0.00	0.00
206482_at	PTK6	PTK6 protein tyr	0.29	-1.78	0.00	0.00
200772_x_at	PTMA	prothymosin, alp	0.30	-1.72	0.00	0.00
204201_s_at	PTPN13	protein tyrosine j	0.17	-2.57	0.00	0.00
203997_at	PTPN3	protein tyrosine j	0.31	-1.68	0.00	0.00
206687_s_at	PTPN6	protein tyrosine j	0.31	-1.70	0.00	0.00
204960_at	PTPRCAP	protein tyrosine j	3.07	1.62	0.00	0.00
215066_at	PTPRF	protein tyrosine j	0.24	-2.05	0.00	0.00
203029_s_at	PTPRN2	protein tyrosine j	3.84	1.94	0.00	0.00
211320_s_at	PTPRU	protein tyrosine j	3.85	1.94	0.00	0.00
212012_at	PXDN	peroxidasin hom	9.17	3.20	0.00	0.00
212013_at	PXDN	peroxidasin hom	7.02	2.81	0.00	0.00
218944_at	PYCR1	pyrroline-5-carbc	3.94	1.98	0.00	0.00
209123_at	QDPR	quinoid dihydrop	3.35	1.75	0.00	0.00
212263_at	QKI	quaking homolog	0.21	-2.29	0.00	0.00
204157_s_at	QSK	serine/threonine-	3.27	1.71	0.00	0.00
201482_at	QSOX1	quiescin Q6 sulfi	4.46	2.16	0.00	0.00
214999_s_at	RAB11FIP3	RAB11 family int	0.15	-2.74	0.00	0.00
200928_s_at	RAB14	RAB14, member	0.31	-1.68	0.00	0.00
211503_s_at	RAB14	RAB14, member	0.21	-2.26	0.00	0.00
219622_at	RAB20	RAB20, member	4.37	2.13	0.00	0.00
208733_at	RAB2A	RAB2A, membe	0.25	-2.02	0.00	0.00
217764_s_at	RAB31	RAB31, member	5.48	2.45	0.00	0.00
217763_s_at	RAB31	RAB31, member	3.09	1.63	0.00	0.00
204214_s_at	RAB32	RAB32, member	4.54	2.18	0.00	0.00
221014_s_at	RAB33B	RAB33B, membe	0.16	-2.66	0.00	0.00
217597_x_at	RAB40B	RAB40B, membe	3.36	1.75	0.00	0.00
213466_at	RAB40C	RAB40C, memb	5.38	2.43	0.00	0.00
203136_at	RABAC1	Rab acceptor 1 (	3.01	1.59	0.00	0.00
213704_at	RABGGTB	Rab geranylgera	0.32	-1.63	0.00	0.00
204478_s_at	RABIF	RAB interacting	3.60	1.85	0.00	0.00
213603_s_at	RAC2	ras-related C3 br	4.17	2.06	0.00	0.00
205647_at	RAD52	RAD52 homolog	0.25	-2.00	0.00	0.00
202052_s_at	RAI14	retinoic acid indu	0.20	-2.36	0.00	0.00
209051_s_at	RALGDS	ral guanine nucl	3.37	1.75	0.00	0.00
209050_s_at	RALGDS	ral guanine nucl	0.19	-2.36	0.00	0.00
204199_at	RALGPS1	Ral GEF with Pf	0.22	-2.22	0.00	0.00

220338_at	RALGPS2	Ral GEF with PI	0.23	-2.15	0.00	0.00
202639_s_at	RANBP3	RAN binding pro	3.63	1.86	0.00	0.00
212125_at	RANGAP1	Ran GTPase act	3.55	1.83	0.00	0.00
215992_s_at	RAPGEF2	Rap guanine nuc	0.06	-4.02	0.00	0.00
210051_at	RAPGEF3	Rap guanine nuc	3.28	1.71	0.00	0.00
205651_x_at	RAPGEF4	Rap guanine nuc	0.20	-2.32	0.00	0.00
218657_at	RAPGEFL1	Rap guanine nuc	0.22	-2.16	0.00	0.00
204189_at	RARG	retinoic acid rece	3.07	1.62	0.00	0.00
212706_at	RASA4	RAS p21 protein	0.18	-2.47	0.00	0.00
214369_s_at	RASGRP2	RAS guanyl rele	0.19	-2.44	0.00	0.00
220027_s_at	RASIP1	Ras interacting p	3.68	1.88	0.00	0.00
202034_x_at	RB1CC1	RB1-inducible cc	0.23	-2.13	0.00	0.00
219222_at	RBKS	ribokinase	6.21	2.64	0.00	0.00
205296_at	RBL1	retinoblastoma-li	0.29	-1.77	0.00	0.00
212331_at	RBL2	retinoblastoma-li	0.23	-2.12	0.00	0.00
51228_at	RBM12B	RNA binding mo	0.22	-2.20	0.00	0.00
200997_at	RBM4	RNA binding mo	3.48	1.80	0.00	0.00
219754_at	RBM41	RNA binding mo	0.24	-2.07	0.00	0.00
209936_at	RBM5	RNA binding mo	0.33	-1.62	0.00	0.00
217856_at	RBM8A	RNA binding mo	0.17	-2.60	0.00	0.00
209487_at	RBPM5	RNA binding pro	4.99	2.32	0.00	0.00
203498_at	RCAN2	regulator of calci	0.26	-1.92	0.00	0.00
218352_at	RCBTB1	regulator of chro	0.14	-2.88	0.00	0.00
205332_at	RCE1	RCE1 homolog,	3.21	1.68	0.00	0.00
212612_at	RCOR1	REST corepress	0.31	-1.71	0.00	0.00
206753_at	RDH16	retinol dehydrog	5.74	2.52	0.00	0.00
212917_x_at	RECQL	RecQ protein-lik	0.31	-1.67	0.00	0.00
204365_s_at	REEP1	receptor access	3.85	1.95	0.00	0.00
205205_at	RELB	v-rel reticuloend	3.50	1.81	0.00	0.00
215201_at	REPS1	RALBP1 associ	0.23	-2.12	0.00	0.00
214409_at	RFPL3S	RFPL3 antisens	0.30	-1.72	0.00	0.00
212646_at	RFTN1	raftlin, lipid raft li	4.25	2.09	0.00	0.00
218430_s_at	RFX7	regulatory factor	0.30	-1.74	0.00	0.00
209568_s_at	RGL1	ral guanine nuck	3.00	1.59	0.00	0.00
204316_at	RGS10	regulator of G-pr	4.03	2.01	0.00	0.00
202388_at	RGS2	regulator of G-pr	0.21	-2.26	0.00	0.00
203823_at	RGS3	regulator of G-pr	3.05	1.61	0.00	0.00
209071_s_at	RGS5	regulator of G-pr	3.49	1.81	0.00	0.00
219554_at	RHCG	Rh family, C glyc	56.79	5.83	0.00	0.00
212651_at	RHOBTB1	Rho-related BTB	0.28	-1.85	0.00	0.00
202975_s_at	RHOBTB3	Rho-related BTB	0.15	-2.73	0.00	0.00
202976_s_at	RHOBTB3	Rho-related BTB	0.09	-3.45	0.00	0.00
31846_at	RHOD	ras homolog gen	5.31	2.41	0.00	0.00
222148_s_at	RHOT1	ras homolog gen	0.27	-1.89	0.00	0.00
218323_at	RHOT1	ras homolog gen	0.24	-2.09	0.00	0.00
205414_s_at	RICH2	Rho-type GTPas	0.31	-1.70	0.00	0.00
214700_x_at	RIF1	RAP1 interactin	0.22	-2.18	0.00	0.00
206137_at	RIMS2	regulating synap	4.48	2.16	0.00	0.00

218598_at	RINT1	RAD50 interacto	0.28	-1.81	0.00	0.00
209545_s_at	RIPK2	receptor-interact	3.30	1.72	0.00	0.00
220329_s_at	RMND1	required for meic	0.28	-1.84	0.00	0.00
218497_s_at	RNASEH1	ribonuclease H1	3.10	1.63	0.00	0.00
203022_at	RNASEH2A	ribonuclease H2	5.67	2.50	0.00	0.00
210056_at	RND1	Rho family GTPe	4.67	2.22	0.00	0.00
221063_x_at	RNF123	ring finger protei	3.96	1.99	0.00	0.00
207735_at	RNF125	ring finger protei	0.08	-3.69	0.00	0.00
219263_at	RNF128	ring finger protei	0.20	-2.32	0.00	0.01
204040_at	RNF144A	ring finger protei	3.84	1.94	0.00	0.00
211387_x_at	RNGTT	RNA guanylyltra	0.22	-2.17	0.00	0.00
219550_at	ROBO3	roundabout, axo	0.28	-1.85	0.00	0.00
218394_at	ROGDI	rogdi homolog (L	7.10	2.83	0.00	0.00
210426_x_at	RORA	RAR-related orp	0.19	-2.38	0.00	0.00
210479_s_at	RORA	RAR-related orp	0.19	-2.42	0.00	0.00
220436_at	RP11-138L21.1	similar to cell rec	0.21	-2.24	0.00	0.00
205191_at	RP2	retinitis pigmentc	0.12	-3.07	0.00	0.00
218499_at	RP6-213H19.1	serine/threonine	0.21	-2.23	0.00	0.00
221943_x_at	RPL38	ribosomal protei	0.33	-1.60	0.00	0.00
219143_s_at	RPP25	ribonuclease P/A	3.01	1.59	0.00	0.00
217723_x_at	RPS12	ribosomal protei	3.70	1.89	0.00	0.00
221524_s_at	RRAGD	Ras-related GTF	0.32	-1.64	0.00	0.00
221523_s_at	RRAGD	Ras-related GTF	0.21	-2.28	0.00	0.00
212590_at	RRAS2	related RAS vira	6.80	2.77	0.00	0.00
212589_at	RRAS2	related RAS vira	3.48	1.80	0.00	0.00
201206_s_at	RRBP1	ribosome binding	4.63	2.21	0.00	0.00
209773_s_at	RRM2	ribonucleotide re	3.95	1.98	0.02	0.03
218758_s_at	RRP1	ribosomal RNA r	3.22	1.69	0.00	0.00
214764_at	RRP15	ribosomal RNA r	0.19	-2.43	0.00	0.00
33307_at	RRP7A	ribosomal RNA r	4.06	2.02	0.00	0.00
202937_x_at	RRP7A	ribosomal RNA r	3.45	1.79	0.00	0.00
213797_at	RSAD2	radical S-adenos	3.12	1.64	0.00	0.00
213694_at	RSBN1	round spermatid	0.20	-2.32	0.00	0.00
203485_at	RTN1	reticulon 1	0.19	-2.40	0.00	0.00
210222_s_at	RTN1	reticulon 1	0.17	-2.56	0.00	0.00
219684_at	RTP4	receptor (chemo	9.42	3.24	0.00	0.00
210251_s_at	RUFY3	RUN and FYVE	0.23	-2.11	0.00	0.00
213939_s_at	RUFY3	RUN and FYVE	0.22	-2.21	0.00	0.00
213430_at	RUFY3	RUN and FYVE	0.18	-2.44	0.00	0.00
203724_s_at	RUFY3	RUN and FYVE	0.12	-3.04	0.00	0.00
215321_at	RUNDC3B	RUN domain cor	0.13	-2.97	0.00	0.00
209360_s_at	RUNX1	runt-related trans	18.69	4.22	0.00	0.00
213066_at	RUSC2	RUN and SH3 do	3.32	1.73	0.00	0.00
205087_at	RWDD3	RWD domain co	0.30	-1.76	0.00	0.00
205863_at	S100A12	S100 calcium bir	19.42	4.28	0.00	0.00
205916_at	S100A7	S100 calcium bir	78.27	6.29	0.00	0.00
202917_s_at	S100A8	S100 calcium bir	141.07	7.14	0.00	0.00
214370_at	S100A8	S100 calcium bir	10.73	3.42	0.00	0.00

203535_at	S100A9	S100 calcium bir	540.01	9.08	0.00	0.00
204351_at	S100P	S100 calcium bir	8.23	3.04	0.00	0.00
204642_at	S1PR1	sphingosine-1-pl	0.32	-1.67	0.00	0.00
213262_at	SACS	spastic ataxia of	0.29	-1.79	0.00	0.00
213635_s_at	SAFB	scaffold attachm	0.29	-1.78	0.00	0.00
201543_s_at	SAR1A	SAR1 homolog /	3.89	1.96	0.00	0.00
210790_s_at	SAR1A	SAR1 homolog /	3.52	1.81	0.00	0.00
213257_at	SARM1	sterile alpha and	0.32	-1.63	0.00	0.00
218702_at	SARS2	seryl-tRNA synt	3.10	1.63	0.00	0.00
215754_at	SCARB2	scavenger recep	0.30	-1.73	0.00	0.00
201646_at	SCARB2	scavenger recep	0.29	-1.78	0.00	0.00
206995_x_at	SCARF1	scavenger recep	0.32	-1.64	0.00	0.00
201826_s_at	SCCPDH	saccharopine de	0.31	-1.67	0.00	0.00
200831_s_at	SCD	stearoyl-CoA de:	5.70	2.51	0.00	0.00
211708_s_at	SCD	stearoyl-CoA de:	4.35	2.12	0.00	0.00
200832_s_at	SCD	stearoyl-CoA de:	3.30	1.72	0.01	0.01
206884_s_at	SCEL	sciellin	0.10	-3.35	0.00	0.00
218793_s_at	SCML1	sex comb on mic	0.31	-1.68	0.00	0.00
206381_at	SCN2A	sodium channel,	4.15	2.05	0.00	0.00
215026_x_at	SCNN1A	sodium channel,	3.85	1.95	0.00	0.00
205241_at	SCO2	SCO cytochrome	3.67	1.88	0.00	0.00
205695_at	SDS	serine dehydrata	4.10	2.03	0.00	0.00
212450_at	SECISBP2L	SECIS binding p	0.25	-2.02	0.00	0.00
213716_s_at	SECTM1	secreted and tra	3.97	1.99	0.00	0.00
209880_s_at	SELPLG	selectin P ligand	4.24	2.08	0.00	0.00
205405_at	SEMA5A	sema domain, se	3.89	1.96	0.00	0.00
208100_x_at	SEMA6C	sema domain, tr	3.87	1.95	0.00	0.00
218122_s_at	SENP2	SUMO1/sentrin/:	6.85	2.78	0.00	0.00
215114_at	SENP3	SUMO1/sentrin/:	0.28	-1.82	0.00	0.00
202319_at	SENP6	SUMO1/sentrin :	0.32	-1.66	0.00	0.00
214790_at	SENP6	SUMO1/sentrin :	0.09	-3.45	0.00	0.00
210076_x_at	SERBP1	SERPINE1 mRN	3.36	1.75	0.00	0.00
202376_at	SERPINA3	serpin peptidase	10.59	3.40	0.00	0.00
212268_at	SERPINB1	serpin peptidase	5.55	2.47	0.00	0.00
213572_s_at	SERPINB1	serpin peptidase	4.87	2.28	0.00	0.00
209719_x_at	SERPINB3	serpin peptidase	38.81	5.28	0.00	0.00
209720_s_at	SERPINB3	serpin peptidase	21.55	4.43	0.00	0.00
211906_s_at	SERPINB4	serpin peptidase	31.30	4.97	0.00	0.00
202628_s_at	SERPINE1	serpin peptidase	3.85	1.95	0.00	0.00
202627_s_at	SERPINE1	serpin peptidase	3.69	1.88	0.00	0.00
212190_at	SERPINE2	serpin peptidase	6.30	2.66	0.00	0.00
200986_at	SERPING1	serpin peptidase	5.60	2.48	0.00	0.00
207714_s_at	SERPINH1	serpin peptidase	3.05	1.61	0.01	0.01
215038_s_at	SETD2	SET domain con	0.28	-1.86	0.00	0.00
216047_x_at	SEZ6L	seizure related 6	3.17	1.66	0.00	0.00
210172_at	SF1	splicing factor 1	0.25	-2.00	0.00	0.00
201585_s_at	SFPQ	splicing factor pr	0.31	-1.67	0.00	0.00
214016_s_at	SFPQ	splicing factor pr	0.30	-1.76	0.00	0.00

221768_at	SFPQ	splicing factor pr	0.28	-1.85	0.00	0.00
202037_s_at	SFRP1	secreted frizzled	15.42	3.95	0.00	0.00
202036_s_at	SFRP1	secreted frizzled	12.74	3.67	0.00	0.00
202035_s_at	SFRP1	secreted frizzled	6.93	2.79	0.00	0.00
207468_s_at	SFRP5	secreted frizzled	3.93	1.98	0.00	0.00
208863_s_at	SFRS1	splicing factor, a	0.25	-2.01	0.00	0.00
200685_at	SFRS11	splicing factor, a	0.32	-1.64	0.00	0.00
213742_at	SFRS11	splicing factor, a	0.17	-2.55	0.00	0.00
217608_at	SFRS12IP1	SFRS12-interact	0.10	-3.32	0.00	0.00
222310_at	SFRS15	splicing factor, a	0.16	-2.63	0.00	0.00
203624_at	SFRS17A	splicing factor, a	0.33	-1.61	0.00	0.00
212176_at	SFRS18	splicing factor, a	0.33	-1.62	0.00	0.00
213649_at	SFRS7	splicing factor, a	0.29	-1.78	0.00	0.00
202774_s_at	SFRS8	splicing factor, a	0.28	-1.83	0.00	0.00
214838_at	SFT2D2	SFT2 domain co	4.29	2.10	0.00	0.00
207302_at	SGCG	sarcoglycan, gar	0.19	-2.38	0.00	0.00
217538_at	SGSM2	small G protein ε	0.33	-1.62	0.00	0.00
221269_s_at	SH3BGL3	SH3 domain bin	3.39	1.76	0.00	0.00
217257_at	SH3BP2	SH3-domain bin	0.14	-2.82	0.00	0.00
205637_s_at	SH3GL3	SH3-domain GR	10.30	3.36	0.00	0.00
204019_s_at	SH3YL1	SH3 domain con	0.29	-1.78	0.00	0.00
204657_s_at	SHB	Src homology 2	4.82	2.27	0.00	0.00
204967_at	SHROOM2	shroom family m	3.64	1.87	0.00	0.00
216537_s_at	SIGLEC7	sialic acid bindin	4.14	2.05	0.00	0.00
221705_s_at	SIKE1	suppressor of IK	0.16	-2.68	0.00	0.00
205063_at	SIP1	survival of motor	0.17	-2.56	0.00	0.00
37831_at	SIPA1L3	signal-induced p	4.99	2.32	0.00	0.00
218878_s_at	SIRT1	sirtuin (silent ma	0.22	-2.18	0.00	0.00
49327_at	SIRT3	sirtuin (silent ma	6.63	2.73	0.00	0.00
219613_s_at	SIRT6	sirtuin (silent ma	3.49	1.80	0.00	0.00
204404_at	SLC12A2	solute carrier fan	3.53	1.82	0.00	0.00
219874_at	SLC12A8	solute carrier fan	3.61	1.85	0.00	0.00
205243_at	SLC13A3	solute carrier fan	4.33	2.11	0.00	0.00
202235_at	SLC16A1	solute carrier fan	3.33	1.74	0.00	0.00
219915_s_at	SLC16A10	solute carrier fan	0.24	-2.09	0.00	0.00
210807_s_at	SLC16A7	solute carrier fan	0.26	-1.96	0.00	0.00
207057_at	SLC16A7	solute carrier fan	0.05	-4.32	0.00	0.00
205857_at	SLC18A2	solute carrier fan	0.32	-1.63	0.01	0.01
211576_s_at	SLC19A1	solute carrier fan	3.04	1.60	0.00	0.00
209681_at	SLC19A2	solute carrier fan	0.29	-1.81	0.00	0.00
205421_at	SLC22A3	solute carrier fan	0.24	-2.06	0.00	0.00
209237_s_at	SLC23A2	solute carrier fan	3.87	1.95	0.00	0.00
201918_at	SLC25A36	solute carrier fan	0.28	-1.85	0.00	0.00
212683_at	SLC25A44	solute carrier fan	0.30	-1.72	0.00	0.00
219344_at	SLC29A3	solute carrier fan	4.96	2.31	0.00	0.00
201249_at	SLC2A1	solute carrier fan	4.25	2.09	0.00	0.00
202497_x_at	SLC2A3	solute carrier fan	0.32	-1.65	0.00	0.00
218985_at	SLC2A8	solute carrier fan	3.35	1.74	0.00	0.00

219991_at	SLC2A9	solute carrier fan	9.27	3.21	0.00	0.00
207035_at	SLC30A3	solute carrier fan	6.49	2.70	0.00	0.00
209865_at	SLC35A3	solute carrier fan	0.23	-2.13	0.00	0.00
218928_s_at	SLC37A1	solute carrier fan	0.21	-2.26	0.00	0.00
219175_s_at	SLC41A3	solute carrier fan	5.22	2.38	0.00	0.00
222364_at	SLC44A1	solute carrier fan	0.18	-2.44	0.00	0.00
214719_at	SLC46A3	solute carrier fan	0.27	-1.91	0.00	0.00
219525_at	SLC47A1	solute carrier fan	0.09	-3.49	0.00	0.00
207771_at	SLC5A2	solute carrier fan	3.45	1.79	0.00	0.00
213164_at	SLC5A3	solute carrier fan	0.30	-1.75	0.00	0.00
211123_at	SLC5A5	solute carrier fan	4.39	2.13	0.00	0.00
204087_s_at	SLC5A6	solute carrier fan	3.17	1.66	0.00	0.00
208494_at	SLC6A7	solute carrier fan	3.14	1.65	0.00	0.00
202752_x_at	SLC7A8	solute carrier fan	5.72	2.52	0.00	0.00
216604_s_at	SLC7A8	solute carrier fan	4.82	2.27	0.00	0.00
216092_s_at	SLC7A8	solute carrier fan	4.47	2.16	0.00	0.00
216603_at	SLC7A8	solute carrier fan	3.00	1.59	0.00	0.00
208015_at	SMAD1	SMAD family me	0.18	-2.51	0.00	0.00
205398_s_at	SMAD3	SMAD family me	4.18	2.06	0.00	0.00
202527_s_at	SMAD4	SMAD family me	0.29	-1.77	0.00	0.00
205187_at	SMAD5	SMAD family me	0.05	-4.32	0.00	0.00
206542_s_at	SMARCA2	SWI/SNF relatec	0.14	-2.82	0.00	0.00
208793_x_at	SMARCA4	SWI/SNF relatec	4.19	2.07	0.00	0.00
209258_s_at	SMC3	structural mainte	0.26	-1.96	0.00	0.00
212926_at	SMC5	structural mainte	0.29	-1.78	0.00	0.00
212579_at	SMCHD1	structural mainte	0.27	-1.89	0.00	0.00
220368_s_at	SMEK1	SMEK homolog	0.21	-2.26	0.00	0.00
222270_at	SMEK2	SMEK homolog	0.15	-2.74	0.00	0.00
210057_at	SMG1	SMG1 homolog,	0.08	-3.70	0.00	0.00
219695_at	SMPD3	sphingomyelin p	5.02	2.33	0.00	0.00
213624_at	SMPDL3A	sphingomyelin p	0.15	-2.71	0.00	0.00
205596_s_at	SMURF2	SMAD specific E	0.29	-1.79	0.00	0.00
212921_at	SMYD2	SET and MYND	0.25	-2.02	0.00	0.00
204104_at	SNAPC2	small nuclear RN	3.38	1.76	0.00	0.00
222286_at	SNAPC3	small nuclear RN	0.16	-2.65	0.00	0.00
209481_at	SNRK	SNF related kina	0.27	-1.90	0.00	0.00
207474_at	SNRK	SNF related kina	0.19	-2.39	0.00	0.00
218493_at	SNRNP25	small nuclear rib	3.06	1.62	0.00	0.00
53912_at	SNX11	sorting nexin 11	4.03	2.01	0.00	0.00
220140_s_at	SNX11	sorting nexin 11	3.51	1.81	0.00	0.00
219793_at	SNX16	sorting nexin 16	0.19	-2.37	0.00	0.00
221498_at	SNX27	sorting nexin fan	0.23	-2.12	0.00	0.00
203373_at	SOCS2	suppressor of cy	4.44	2.15	0.00	0.00
218087_s_at	SORBS1	sorbin and SH3	0.08	-3.61	0.00	0.00
212807_s_at	SORT1	sortilin 1	4.00	2.00	0.00	0.00
209843_s_at	SOX10	SRY (sex determ	3.10	1.63	0.00	0.00
202936_s_at	SOX9	SRY (sex determ	5.89	2.56	0.00	0.00
202935_s_at	SOX9	SRY (sex determ	4.06	2.02	0.00	0.00

210985_s_at	SP100	SP100 nuclear a	0.31	-1.70	0.00	0.00
208012_x_at	SP110	SP110 nuclear b	3.85	1.94	0.00	0.00
214791_at	SP140L	SP140 nuclear b	4.05	2.02	0.00	0.00
205406_s_at	SPA17	sperm autoantigi	3.80	1.92	0.00	0.00
219109_at	SPAG16	sperm associate	0.31	-1.67	0.00	0.00
200665_s_at	SPARC	secreted protein,	3.92	1.97	0.00	0.00
200795_at	SPARCL1	SPARC-like 1 (h	7.49	2.91	0.00	0.00
204433_s_at	SPATA2	spermatogenesis:	3.15	1.66	0.00	0.00
215694_at	SPATA5L1	spermatogenesis:	0.30	-1.74	0.00	0.00
220298_s_at	SPATA6	spermatogenesis:	0.20	-2.33	0.00	0.00
219583_s_at	SPATA7	spermatogenesis:	0.21	-2.24	0.00	0.00
213442_x_at	SPDEF	SAM pointed dor	7.69	2.94	0.00	0.00
213441_x_at	SPDEF	SAM pointed dor	6.70	2.75	0.00	0.00
220192_x_at	SPDEF	SAM pointed dor	5.85	2.55	0.00	0.00
214404_x_at	SPDEF	SAM pointed dor	3.71	1.89	0.00	0.00
212526_at	SPG20	spastic parapleg	0.21	-2.29	0.00	0.00
217813_s_at	SPIN1	spindlin 1	0.19	-2.42	0.00	0.00
206239_s_at	SPINK1	serine peptidase	0.17	-2.56	0.00	0.00
206057_x_at	SPN	sialophorin	3.39	1.76	0.00	0.00
202523_s_at	SPOCK2	sparc/osteonecti	4.67	2.22	0.00	0.00
208927_at	SPOP	speckle-type PO	0.33	-1.60	0.00	0.00
203458_at	SPR	sepiapterin redu	4.90	2.29	0.00	0.00
214549_x_at	SPRR1A	small proline-ric	21.89	4.45	0.00	0.00
213796_at	SPRR1A	small proline-ric	12.48	3.64	0.00	0.00
220664_at	SPRR2C	small proline-ric	5.37	2.42	0.00	0.00
218990_s_at	SPRR3	small proline-ric	15.33	3.94	0.00	0.00
204011_at	SPRY2	sprouty homolog	0.20	-2.32	0.00	0.00
221489_s_at	SPRY4	sprouty homolog	7.49	2.91	0.00	0.00
214925_s_at	SPTAN1	spectrin, alpha, r	0.17	-2.59	0.00	0.00
214145_s_at	SPTB	spectrin, beta, er	3.19	1.67	0.00	0.00
220185_at	SPTBN4	spectrin, beta, nr	3.88	1.96	0.00	0.00
220456_at	SPTLC3	serine palmitoylt	0.22	-2.17	0.00	0.00
212061_at	SR140	U2-associated S	0.24	-2.05	0.00	0.00
38766_at	SRCAP	Snf2-related CRI	3.73	1.90	0.00	0.00
201248_s_at	SREBF2	sterol regulatory	3.45	1.79	0.00	0.00
213329_at	SRGAP2	SLIT-ROBO Rhc	0.20	-2.32	0.00	0.00
201859_at	SRGN	serglycin	6.39	2.68	0.00	0.00
202199_s_at	SRPK1	SFRS protein kir	3.24	1.70	0.00	0.00
222046_at	SRRT	serrate RNA effe	0.30	-1.73	0.00	0.00
202817_s_at	SS18	synovial sarcom:	0.22	-2.19	0.00	0.00
219241_x_at	SSH3	slingshot homolc	3.79	1.92	0.00	0.00
203114_at	SSSCA1	Sjogren syndrom	4.57	2.19	0.00	0.00
217650_x_at	ST3GAL2	ST3 beta-galact	0.22	-2.18	0.00	0.00
38487_at	STAB1	stabilin 1	3.35	1.74	0.00	0.00
205743_at	STAC	SH3 and cystein	3.16	1.66	0.00	0.00
209023_s_at	STAG2	stromal antigen ;	0.19	-2.37	0.00	0.00
204548_at	STAR	steroidogenic ac	0.29	-1.81	0.00	0.00
200887_s_at	STAT1	signal transduce	3.55	1.83	0.00	0.00

208992_s_at	STAT3	signal transduce	4.73	2.24	0.00	0.00
208991_at	STAT3	signal transduce	3.19	1.67	0.00	0.00
204595_s_at	STC1	stanniocalcin 1	3.74	1.90	0.01	0.01
41657_at	STK11	serine/threonine	5.61	2.49	0.00	0.00
211085_s_at	STK4	serine/threonine	0.28	-1.85	0.00	0.00
203457_at	STX7	syntaxin 7	0.29	-1.77	0.00	0.00
203310_at	STXBP3	syntaxin binding	0.32	-1.64	0.00	0.00
220994_s_at	STXBP6	syntaxin binding	0.20	-2.34	0.00	0.00
214835_s_at	SUCLG2	succinate-CoA li	0.33	-1.62	0.00	0.00
219425_at	SULT4A1	sulfotransferase	3.25	1.70	0.00	0.00
206506_s_at	SUPT3H	suppressor of Ty	3.11	1.64	0.00	0.00
219389_at	SUSD4	sushi domain co	14.01	3.81	0.00	0.00
216272_x_at	SYDE1	synapse defectiv	4.23	2.08	0.00	0.00
44702_at	SYDE1	synapse defectiv	3.54	1.82	0.00	0.00
209025_s_at	SYNCRIP	synaptotagmin b	3.53	1.82	0.00	0.00
209447_at	SYNE1	spectrin repeat c	0.10	-3.34	0.00	0.00
202761_s_at	SYNE2	spectrin repeat c	0.24	-2.05	0.00	0.00
210612_s_at	SYNJ2	synaptojanin 2	0.29	-1.81	0.00	0.00
215865_at	SYT12	synaptotagmin X	7.01	2.81	0.00	0.00
205613_at	SYT17	synaptotagmin X	0.16	-2.62	0.00	0.00
214903_at	SYT2	synaptotagmin II	3.19	1.67	0.00	0.00
206552_s_at	TAC1	tachykinin, precu	0.17	-2.60	0.00	0.00
202289_s_at	TACC2	transforming, aci	0.30	-1.72	0.00	0.00
214690_at	TAF1B	TATA box bindin	0.26	-1.94	0.00	0.00
221617_at	TAF9B	TAF9B RNA poly	0.33	-1.60	0.00	0.00
204769_s_at	TAP2	transporter 2, AT	5.04	2.33	0.00	0.00
221264_s_at	TARDBP	TAR DNA bindin	0.23	-2.11	0.00	0.00
212350_at	TBC1D1	TBC1 (tre-2/USF	3.13	1.65	0.00	0.00
203387_s_at	TBC1D4	TBC1 domain fa	0.30	-1.72	0.00	0.00
203386_at	TBC1D4	TBC1 domain fa	0.23	-2.13	0.00	0.00
204526_s_at	TBC1D8	TBC1 domain fa	0.26	-1.95	0.00	0.00
219771_at	TBC1D8B	TBC1 domain fa	0.33	-1.61	0.00	0.00
212956_at	TBC1D9	TBC1 domain fa	3.09	1.63	0.01	0.02
219682_s_at	TBX3	T-box 3	0.28	-1.82	0.00	0.00
212762_s_at	TCF7L2	transcription fact	0.19	-2.36	0.00	0.00
213780_at	TCHH	trichohyalin	23.96	4.58	0.00	0.00
205513_at	TCN1	transcobalamin I	26.45	4.73	0.00	0.00
204043_at	TCN2	transcobalamin I	3.12	1.64	0.00	0.00
202384_s_at	TCOF1	Treacher Collins	0.28	-1.85	0.00	0.00
205797_s_at	TCP11L1	t-complex 11 (m	3.14	1.65	0.00	0.00
218584_at	TCTN1	tectonic family m	4.04	2.01	0.00	0.00
208089_s_at	TDRD3	tudor domain coi	0.25	-2.00	0.00	0.00
212084_at	TEX261	testis expressed	3.71	1.89	0.00	0.00
212083_at	TEX261	testis expressed	3.04	1.60	0.00	0.00
203176_s_at	TFAM	transcription fact	0.33	-1.62	0.00	0.00
204654_s_at	TFAP2A	transcription fact	0.13	-2.93	0.00	0.00
205688_at	TFAP4	transcription fact	3.28	1.71	0.00	0.00
203588_s_at	TFDP2	transcription fact	3.62	1.86	0.00	0.00

204731_at	TGFBR3	transforming gro	0.27	-1.91	0.00	0.01
206008_at	TGM1	transglutaminase	4.34	2.12	0.01	0.01
1316_at	THRA	thyroid hormone	0.24	-2.05	0.00	0.00
201148_s_at	TIMP3	TIMP metallopro	13.03	3.70	0.00	0.00
203222_s_at	TLE1	transducin-like e	0.29	-1.78	0.00	0.00
216997_x_at	TLE4	transducin-like e	0.28	-1.83	0.00	0.00
204924_at	TLR2	toll-like receptor	3.64	1.86	0.00	0.00
213882_at	TM2D1	TM2 domain con	0.24	-2.09	0.00	0.00
209387_s_at	TM4SF1	transmembrane	12.06	3.59	0.00	0.00
215034_s_at	TM4SF1	transmembrane	11.73	3.55	0.00	0.00
209386_at	TM4SF1	transmembrane	7.57	2.92	0.00	0.00
219892_at	TM6SF1	transmembrane	0.33	-1.61	0.00	0.00
200803_s_at	TMBIM6	transmembrane	3.87	1.95	0.00	0.00
219580_s_at	TMC5	transmembrane	0.24	-2.06	0.00	0.00
220240_s_at	TMCO3	transmembrane	3.12	1.64	0.00	0.00
200929_at	TMED10	transmembrane	5.18	2.37	0.00	0.00
218834_s_at	TMEM132A	transmembrane	8.04	3.01	0.00	0.00
218477_at	TMEM14A	transmembrane	3.73	1.90	0.00	0.00
213272_s_at	TMEM159	transmembrane	0.22	-2.16	0.00	0.00
218745_x_at	TMEM161A	transmembrane	10.25	3.36	0.00	0.00
221512_at	TMEM222	transmembrane	3.22	1.69	0.00	0.00
219462_at	TMEM53	transmembrane	3.34	1.74	0.00	0.00
213024_at	TMF1	TATA element r	0.27	-1.88	0.00	0.00
207602_at	TMPRSS11D	transmembrane	15.23	3.93	0.00	0.00
218960_at	TMPRSS4	transmembrane	5.55	2.47	0.00	0.00
221032_s_at	TMPRSS5	transmembrane	4.70	2.23	0.00	0.00
217733_s_at	TMSB10	thymosin beta 1(	3.46	1.79	0.00	0.00
201645_at	TNC	tenascin C	4.51	2.17	0.01	0.01
218368_s_at	TNFRSF12A	tumor necrosis fr	5.04	2.33	0.00	0.00
218856_at	TNFRSF21	tumor necrosis fr	22.84	4.51	0.00	0.00
219423_x_at	TNFRSF25	tumor necrosis fr	0.27	-1.88	0.00	0.00
211841_s_at	TNFRSF25	tumor necrosis fr	0.24	-2.06	0.00	0.00
202688_at	TNFSF10	tumor necrosis fr	3.60	1.85	0.00	0.00
218228_s_at	TNKS2	tankyrase, TRF1	0.30	-1.75	0.00	0.00
206393_at	TNNI2	troponin I type 2	0.11	-3.19	0.00	0.00
215389_s_at	TNNT2	troponin T type 2	0.18	-2.51	0.00	0.00
221507_at	TNPO2	transportin 2	0.27	-1.88	0.00	0.00
206817_x_at	TNRC4	trinucleotide repr	5.49	2.46	0.00	0.00
213254_at	TNRC6B	trinucleotide repr	0.32	-1.63	0.00	0.00
217853_at	TNS3	tensin 3	4.14	2.05	0.00	0.00
217413_s_at	TNXB	tenascin XB	3.24	1.70	0.00	0.00
208609_s_at	TNXB	tenascin XB	0.28	-1.82	0.00	0.00
202807_s_at	TOM1	target of myb1 (c	3.03	1.60	0.00	0.00
214840_at	TOM1L2	target of myb1-lil	4.23	2.08	0.00	0.00
217960_s_at	TOMM22	translocase of oi	3.39	1.76	0.00	0.00
204071_s_at	TOPORS	topoisomerase I	0.29	-1.79	0.00	0.00
210609_s_at	TP53I3	tumor protein p5	3.38	1.76	0.00	0.00
201691_s_at	TPD52	tumor protein D5	0.18	-2.47	0.00	0.00

210987_x_at	TPM1	tropomyosin 1 (a	3.12	1.64	0.01	0.01
209344_at	TPM4	tropomyosin 4	4.82	2.27	0.00	0.00
203375_s_at	TPP2	tripeptidyl peptid	0.23	-2.10	0.00	0.00
218876_at	TPPP3	tubulin polymeriz	0.08	-3.73	0.00	0.00
215220_s_at	TPR	translocated proi	0.07	-3.81	0.00	0.00
215382_x_at	TPSAB1	tryptase alpha/b	3.19	1.67	0.01	0.02
210052_s_at	TPX2	TPX2, microtubu	4.92	2.30	0.00	0.00
213593_s_at	TRA2A	transformer 2 alç	0.20	-2.30	0.00	0.00
221807_s_at	TRABD	TraB domain cor	3.79	1.92	0.00	0.00
204352_at	TRAF5	TNF receptor-as	0.33	-1.59	0.00	0.00
209412_at	TRAPPC10	trafficking proteir	0.30	-1.76	0.00	0.00
215269_at	TRAPPC10	trafficking proteir	0.15	-2.76	0.00	0.00
203511_s_at	TRAPPC3	trafficking proteir	3.91	1.97	0.00	0.00
56829_at	TRAPPC9	trafficking proteir	6.69	2.74	0.00	0.00
221672_s_at	TRAPPC9	trafficking proteir	3.44	1.78	0.00	0.00
219725_at	TREM2	triggering recept	3.58	1.84	0.00	0.00
213293_s_at	TRIM22	tripartite motif-cc	4.11	2.04	0.00	0.00
204732_s_at	TRIM23	tripartite motif-cc	0.25	-2.00	0.00	0.00
206911_at	TRIM25	tripartite motif-cc	4.21	2.07	0.00	0.00
212116_at	TRIM27	tripartite motif-cc	4.44	2.15	0.00	0.00
213885_at	TRIM3	tripartite motif-cc	0.30	-1.76	0.00	0.00
214815_at	TRIM33	tripartite motif-cc	0.26	-1.93	0.00	0.00
212435_at	TRIM33	tripartite motif-cc	0.21	-2.25	0.00	0.00
203610_s_at	TRIM38	tripartite motif-cc	7.54	2.92	0.00	0.00
221897_at	TRIM52	tripartite motif-cc	0.26	-1.97	0.00	0.00
210760_x_at	TRIP11	thyroid hormone	6.28	2.65	0.00	0.00
218877_s_at	TRMT11	tRNA methyltran	0.17	-2.60	0.00	0.00
205802_at	TRPC1	transient receptc	0.15	-2.72	0.00	0.00
205803_s_at	TRPC1	transient receptc	0.15	-2.78	0.00	0.00
206528_at	TRPC6	transient receptc	0.27	-1.91	0.00	0.00
209108_at	TSPAN6	tetraspanin 6	3.06	1.61	0.00	0.00
217162_at	TSPY1	testis specific pr	3.77	1.91	0.00	0.00
213922_at	TTBK2	tau tubulin kinas	0.11	-3.25	0.00	0.00
219421_at	TTC33	tetratricopeptide	0.27	-1.92	0.00	0.00
213172_at	TTC9	tetratricopeptide	0.29	-1.80	0.00	0.00
213646_x_at	TUBA1B	tubulin, alpha 1b	3.04	1.61	0.00	0.00
216323_x_at	TUBA3D	tubulin, alpha 3d	3.02	1.59	0.00	0.00
211714_x_at	TUBB	tubulin, beta	3.54	1.82	0.00	0.00
214876_s_at	TUBGCP5	tubulin, gamma c	0.17	-2.53	0.00	0.00
203272_s_at	TUSC2	tumor suppressc	3.77	1.91	0.00	0.00
216609_at	TXN	thioredoxin	0.18	-2.48	0.00	0.00
209078_s_at	TXN2	thioredoxin 2	4.70	2.23	0.00	0.00
221253_s_at	TXNDC5	thioredoxin dom	3.35	1.75	0.00	0.00
201266_at	TXNRD1	thioredoxin redu	3.21	1.68	0.00	0.00
211177_s_at	TXNRD2	thioredoxin redu	3.04	1.61	0.00	0.00
59631_at	TXNRD3	thioredoxin redu	6.37	2.67	0.00	0.00
221906_at	TXNRD3	thioredoxin redu	3.01	1.59	0.00	0.00
204858_s_at	TYMP	thymidine phosp	14.22	3.83	0.00	0.00

218382_s_at	U2AF2	U2 small nuclea	6.07	2.60	0.00	0.00
209947_at	UBAP2L	ubiquitin associa	0.32	-1.63	0.00	0.00
218837_s_at	UBE2D4	ubiquitin-conjug	7.29	2.87	0.00	0.00
217799_x_at	UBE2H	ubiquitin-conjug	3.43	1.78	0.00	0.00
211008_s_at	UBE2I	ubiquitin-conjug	3.36	1.75	0.00	0.00
203109_at	UBE2M	ubiquitin-conjug	3.86	1.95	0.00	0.00
221746_at	UBL4A	ubiquitin-like 4A	3.57	1.83	0.00	0.00
207253_s_at	UBN1	ubinnuclein 1	5.12	2.36	0.00	0.00
215544_s_at	UBOX5	U-box domain cc	3.41	1.77	0.00	0.00
212074_at	UNC84A	unc-84 homolog	0.31	-1.68	0.00	0.00
206487_at	UNC84A	unc-84 homolog	0.26	-1.95	0.00	0.00
214382_at	UNC93A	unc-93 homolog	0.30	-1.75	0.01	0.01
202330_s_at	UNG	uracil-DNA glycc	0.21	-2.27	0.00	0.00
203234_at	UPP1	uridine phospho	9.76	3.29	0.00	0.00
202412_s_at	USP1	ubiquitin specific	0.23	-2.14	0.00	0.00
215886_x_at	USP12	ubiquitin specific	0.21	-2.23	0.00	0.00
212980_at	USP34	ubiquitin specific	0.28	-1.82	0.00	0.00
215013_s_at	USP34	ubiquitin specific	0.26	-1.95	0.00	0.00
212065_s_at	USP34	ubiquitin specific	0.17	-2.56	0.00	0.00
205139_s_at	UST	uronyl-2-sulfotra	0.31	-1.68	0.00	0.00
213326_at	VAMP1	vesicle-associat	0.25	-2.00	0.00	0.00
205586_x_at	VGf	VGf nerve grow	3.01	1.59	0.00	0.00
205946_at	VIPR2	vasoactive intest	7.70	2.94	0.00	0.00
220528_at	VNN3	vanin 3	5.25	2.39	0.00	0.00
204376_at	VPRBP	Vpr (HIV-1) bind	0.30	-1.74	0.00	0.00
204377_s_at	VPRBP	Vpr (HIV-1) bind	0.13	-2.90	0.00	0.00
214785_at	VPS13A	vacuolar protein	0.21	-2.26	0.00	0.00
218396_at	VPS13C	vacuolar protein	0.23	-2.14	0.00	0.00
220221_at	VPS13D	vacuolar protein	0.28	-1.84	0.00	0.00
203797_at	VSNL1	visinin-like 1	3.85	1.95	0.01	0.01
202112_at	VWF	von Willebrand fi	9.73	3.28	0.00	0.00
200628_s_at	WARS	tryptophanyl-tRN	5.53	2.47	0.00	0.00
200629_at	WARS	tryptophanyl-tRN	3.66	1.87	0.00	0.00
205809_s_at	WASL	Wiskott-Aldrich s	0.32	-1.64	0.00	0.00
201420_s_at	WDR77	WD repeat dom	3.22	1.69	0.00	0.00
212533_at	WEE1	WEE1 homolog	0.27	-1.88	0.00	0.00
203892_at	WFDC2	WAP four-disulfu	3.13	1.65	0.00	0.00
39313_at	WNK1	WNK lysine defic	0.12	-3.10	0.00	0.00
205648_at	WNT2	wingless-type MI	0.25	-2.01	0.00	0.00
208606_s_at	WNT4	wingless-type MI	0.29	-1.80	0.00	0.00
205990_s_at	WNT5A	wingless-type MI	4.47	2.16	0.00	0.00
212637_s_at	WWP1	WW domain con	0.20	-2.35	0.00	0.00
206133_at	XAF1	XIAP associated	3.67	1.88	0.00	0.00
207598_x_at	XRCC2	X-ray repair com	0.26	-1.93	0.00	0.00
213725_x_at	XYLT1	xylosyltransferas	0.28	-1.83	0.00	0.00
218911_at	YEATS4	YEATS domain c	0.17	-2.60	0.00	0.00
202418_at	YIF1A	Yip1 interacting i	3.20	1.68	0.00	0.00
65086_at	YIPF2	Yip1 domain farr	3.28	1.71	0.00	0.00

212343_at	YIPF6	Yip1 domain farr	0.31	-1.68	0.00	0.00
214814_at	YTHDC1	YTH domain cor	0.12	-3.12	0.00	0.00
219836_at	ZBED2	zinc finger, BED-	8.21	3.04	0.00	0.00
205092_x_at	ZBTB1	zinc finger and B	0.21	-2.28	0.00	0.00
205883_at	ZBTB16	zinc finger and B	0.08	-3.67	0.00	0.00
220391_at	ZBTB3	zinc finger and B	0.25	-2.03	0.00	0.00
218810_at	ZC3H12A	zinc finger CCCC	6.03	2.59	0.00	0.00
213064_at	ZC3H14	zinc finger CCCC	0.33	-1.60	0.00	0.00
219062_s_at	ZCCHC2	zinc finger, CCH	0.32	-1.63	0.00	0.00
212419_at	ZCCHC24	zinc finger, CCH	6.02	2.59	0.00	0.00
221646_s_at	ZDHHC11	zinc finger, DHH	0.02	-5.60	0.00	0.00
219296_at	ZDHHC13	zinc finger, DHH	0.25	-2.00	0.00	0.00
220261_s_at	ZDHHC4	zinc finger, DHH	4.17	2.06	0.00	0.00
218020_s_at	ZFAND3	zinc finger, AN1-	3.10	1.63	0.00	0.00
222186_at	ZFAND6	zinc finger, AN1-	0.27	-1.90	0.00	0.00
211965_at	ZFP36L1	zinc finger protei	0.33	-1.61	0.00	0.00
201369_s_at	ZFP36L2	zinc finger protei	0.32	-1.64	0.01	0.01
33148_at	ZFR	zinc finger RNA	0.30	-1.72	0.00	0.00
214678_x_at	ZFX	zinc finger protei	0.21	-2.23	0.00	0.00
219929_s_at	ZFYVE21	zinc finger, FYVF	0.24	-2.08	0.00	0.00
214900_at	ZKSCAN1	zinc finger with k	0.27	-1.88	0.00	0.00
218752_at	ZMAT5	zinc finger, matri	4.27	2.10	0.00	0.00
221924_at	ZMIZ2	zinc finger, MIZ-1	0.30	-1.72	0.00	0.00
206652_at	ZMYM5	zinc finger, MYM	0.13	-2.96	0.00	0.00
219925_at	ZMYM6	zinc finger, MYM	0.19	-2.39	0.00	0.00
202137_s_at	ZMYND11	zinc finger, MYN	0.21	-2.23	0.00	0.00
209049_s_at	ZMYND8	zinc finger, MYN	0.24	-2.06	0.00	0.00
205739_x_at	ZNF107	zinc finger protei	0.29	-1.78	0.00	0.00
219571_s_at	ZNF12	zinc finger protei	0.21	-2.28	0.00	0.00
219495_s_at	ZNF180	zinc finger protei	0.32	-1.65	0.00	0.00
214823_at	ZNF204	zinc finger protei	0.08	-3.69	0.00	0.00
207128_s_at	ZNF223	zinc finger protei	0.25	-2.01	0.00	0.00
220019_s_at	ZNF224	zinc finger protei	0.31	-1.70	0.00	0.00
216983_s_at	ZNF224	zinc finger protei	0.13	-2.97	0.00	0.00
205791_x_at	ZNF230	zinc finger protei	0.17	-2.54	0.00	0.00
219171_s_at	ZNF236	zinc finger protei	0.22	-2.18	0.00	0.00
212774_at	ZNF238	zinc finger protei	0.24	-2.04	0.00	0.00
203247_s_at	ZNF24	zinc finger protei	0.28	-1.84	0.00	0.00
215239_x_at	ZNF273	zinc finger protei	0.15	-2.70	0.00	0.00
221213_s_at	ZNF280D	zinc finger protei	0.20	-2.33	0.00	0.00
212368_at	ZNF292	zinc finger protei	0.15	-2.72	0.00	0.00
203521_s_at	ZNF318	zinc finger protei	0.32	-1.63	0.00	0.00
222016_s_at	ZNF323	zinc finger protei	5.45	2.45	0.00	0.00
215358_x_at	ZNF37B	zinc finger protei	0.27	-1.89	0.00	0.00
215429_s_at	ZNF428	zinc finger protei	5.09	2.35	0.00	0.00
222136_x_at	ZNF43	zinc finger protei	0.30	-1.74	0.00	0.00
215892_at	ZNF440	zinc finger protei	0.22	-2.21	0.00	0.00
213124_at	ZNF473	zinc finger protei	3.07	1.62	0.00	0.00

204291_at	ZNF518A	zinc finger protei	0.16	-2.61	0.00	0.00
211721_s_at	ZNF551	zinc finger protei	0.17	-2.56	0.00	0.00
217627_at	ZNF573	zinc finger protei	0.12	-3.04	0.00	0.00
205594_at	ZNF652	zinc finger protei	0.10	-3.35	0.00	0.00
206180_x_at	ZNF747	zinc finger protei	5.89	2.56	0.00	0.00
219995_s_at	ZNF750	zinc finger protei	0.20	-2.31	0.00	0.00
219781_s_at	ZNF771	zinc finger protei	8.61	3.11	0.00	0.00
214138_at	ZNF79	zinc finger protei	3.86	1.95	0.00	0.00
60794_f_at	ZNF814	zinc finger protei	0.31	-1.68	0.00	0.00
219050_s_at	ZNHIT2	zinc finger, HIT t	3.79	1.92	0.00	0.00
218312_s_at	ZSCAN18	zinc finger and S	0.30	-1.76	0.00	0.00
217593_at	ZSCAN18	zinc finger and S	0.16	-2.65	0.00	0.00
214580_x_at			281.05	8.14	0.00	0.00
210413_x_at			37.70	5.24	0.00	0.00
208539_x_at			30.87	4.95	0.00	0.00
215504_x_at			10.90	3.45	0.00	0.00
214463_x_at			8.92	3.16	0.00	0.00
218822_s_at			8.68	3.12	0.00	0.00
216745_x_at			8.67	3.12	0.00	0.00
217619_x_at			7.02	2.81	0.00	0.00
222114_x_at			5.84	2.55	0.00	0.00
219489_s_at			5.59	2.48	0.00	0.00
208580_x_at			5.43	2.44	0.00	0.00
216474_x_at			5.39	2.43	0.00	0.00
211691_x_at			5.34	2.42	0.00	0.00
205114_s_at			5.20	2.38	0.00	0.00
216499_at			4.85	2.28	0.00	0.00
57540_at			4.85	2.28	0.00	0.00
216535_at			4.59	2.20	0.00	0.00
209372_x_at			4.40	2.14	0.00	0.00
217516_x_at			4.39	2.13	0.00	0.00
217055_x_at			4.14	2.05	0.00	0.00
216565_x_at			4.09	2.03	0.00	0.00
205717_x_at			4.05	2.02	0.00	0.00
216554_s_at			3.89	1.96	0.00	0.00
202632_at			3.86	1.95	0.00	0.00
216694_at			3.82	1.93	0.00	0.00
213690_s_at			3.82	1.93	0.00	0.00
213655_at			3.68	1.88	0.00	0.00
213689_x_at			3.58	1.84	0.00	0.00
210474_s_at			3.57	1.84	0.00	0.00
217981_s_at			3.39	1.76	0.00	0.00
216138_at			3.38	1.76	0.00	0.00
221792_at			3.33	1.74	0.00	0.00
215489_x_at			3.32	1.73	0.00	0.00
215949_x_at			3.31	1.73	0.00	0.00
213808_at			3.30	1.72	0.00	0.00
216371_at			3.29	1.72	0.00	0.00

216112_at	3.22	1.69	0.00	0.00
205144_at	3.18	1.67	0.00	0.00
220167_s_at	3.16	1.66	0.00	0.00
210387_at	3.15	1.65	0.00	0.00
215353_at	3.14	1.65	0.00	0.00
216043_x_at	3.12	1.64	0.00	0.00
206889_at	3.05	1.61	0.00	0.00
208811_s_at	3.05	1.61	0.00	0.00
221715_at	3.03	1.60	0.00	0.00
216542_x_at	3.03	1.60	0.00	0.00
216853_x_at	3.01	1.59	0.00	0.00
210598_at	0.33	-1.59	0.00	0.00
222365_at	0.33	-1.59	0.00	0.00
217679_x_at	0.33	-1.59	0.00	0.00
220987_s_at	0.33	-1.60	0.00	0.00
205955_at	0.33	-1.60	0.00	0.00
217621_at	0.33	-1.61	0.00	0.00
31799_at	0.33	-1.61	0.00	0.00
207953_at	0.33	-1.62	0.00	0.00
220905_at	0.32	-1.62	0.00	0.00
222319_at	0.32	-1.63	0.00	0.00
217713_x_at	0.32	-1.65	0.00	0.00
217317_s_at	0.32	-1.66	0.00	0.00
222277_at	0.32	-1.66	0.00	0.00
215370_at	0.32	-1.67	0.00	0.00
213648_at	0.31	-1.68	0.00	0.00
215147_at	0.31	-1.68	0.00	0.00
216022_at	0.31	-1.68	0.00	0.00
215802_at	0.31	-1.68	0.00	0.00
220809_at	0.31	-1.69	0.00	0.00
220912_at	0.31	-1.70	0.00	0.00
206655_s_at	0.30	-1.72	0.00	0.00
222344_at	0.30	-1.72	0.00	0.00
222335_at	0.30	-1.73	0.00	0.00
216000_at	0.30	-1.73	0.00	0.00
217617_at	0.30	-1.73	0.00	0.00
209084_s_at	0.30	-1.75	0.00	0.00
214871_x_at	0.30	-1.75	0.00	0.00
221833_at	0.29	-1.78	0.00	0.00
206548_at	0.29	-1.81	0.00	0.00
216214_at	0.29	-1.81	0.00	0.00
215059_at	0.29	-1.81	0.00	0.00
215928_at	0.29	-1.81	0.00	0.00
222149_x_at	0.29	-1.81	0.00	0.00
215164_at	0.28	-1.82	0.00	0.00
215597_x_at	0.28	-1.83	0.00	0.00
216769_x_at	0.28	-1.83	0.00	0.00
217588_at	0.28	-1.83	0.00	0.00

222358_x_at	0.28	-1.83	0.00	0.00
217152_at	0.28	-1.86	0.00	0.00
217519_at	0.28	-1.86	0.00	0.00
217014_s_at	0.27	-1.88	0.00	0.00
221079_s_at	0.27	-1.87	0.00	0.00
215304_at	0.27	-1.88	0.00	0.00
216783_at	0.27	-1.90	0.00	0.00
222371_at	0.27	-1.90	0.00	0.00
216211_at	0.27	-1.91	0.00	0.00
214807_at	0.27	-1.92	0.00	0.00
215956_at	0.27	-1.92	0.00	0.00
216142_at	0.26	-1.93	0.00	0.00
213156_at	0.26	-1.93	0.00	0.00
214857_at	0.26	-1.96	0.00	0.00
216069_at	0.25	-1.98	0.00	0.00
216497_at	0.25	-2.00	0.00	0.00
220696_at	0.25	-2.00	0.00	0.00
213158_at	0.25	-2.02	0.00	0.00
216411_s_at	0.25	-2.02	0.00	0.00
222341_x_at	0.25	-2.02	0.00	0.00
214375_at	0.24	-2.06	0.00	0.00
222111_at	0.24	-2.06	0.00	0.00
217659_at	0.24	-2.07	0.00	0.00
222275_at	0.24	-2.06	0.00	0.00
215172_at	0.23	-2.10	0.00	0.00
215390_at	0.23	-2.11	0.00	0.00
215576_at	0.23	-2.12	0.00	0.00
206088_at	0.23	-2.13	0.00	0.00
220612_at	0.23	-2.14	0.00	0.00
203240_at	0.22	-2.18	0.00	0.00
213931_at	0.22	-2.19	0.00	0.00
221834_at	0.22	-2.21	0.00	0.00
222290_at	0.22	-2.22	0.00	0.00
215029_at	0.21	-2.23	0.00	0.00
208154_at	0.21	-2.25	0.00	0.00
217604_at	0.21	-2.26	0.00	0.00
203852_s_at	0.21	-2.28	0.00	0.00
220969_s_at	0.21	-2.28	0.00	0.00
217137_x_at	0.20	-2.31	0.00	0.00
216173_at	0.20	-2.33	0.00	0.00
217019_at	0.20	-2.33	0.00	0.00
215287_at	0.20	-2.34	0.00	0.00
215133_s_at	0.20	-2.34	0.00	0.00
217164_at	0.19	-2.40	0.00	0.00
216756_at	0.19	-2.41	0.00	0.00
222313_at	0.19	-2.43	0.00	0.00
215212_at	0.18	-2.50	0.00	0.00
215344_at	0.18	-2.51	0.00	0.00

222282_at	0.17	-2.55	0.00	0.00
222214_at	0.17	-2.58	0.00	0.00
216006_at	0.17	-2.60	0.00	0.00
217671_at	0.17	-2.60	0.00	0.00
214234_s_at	0.16	-2.67	0.00	0.00
217643_x_at	0.16	-2.69	0.00	0.00
214235_at	0.15	-2.71	0.00	0.00
215629_s_at	0.15	-2.74	0.00	0.00
213686_at	0.15	-2.75	0.00	0.00
215123_at	0.14	-2.80	0.00	0.00
216278_at	0.14	-2.80	0.00	0.00
215378_at	0.14	-2.82	0.00	0.00
215322_at	0.14	-2.84	0.00	0.00
217336_at	0.14	-2.87	0.00	0.00
217536_x_at	0.14	-2.87	0.00	0.00
215626_at	0.14	-2.88	0.00	0.00
213930_at	0.14	-2.89	0.00	0.00
216527_at	0.14	-2.89	0.00	0.00
215555_at	0.13	-2.90	0.00	0.00
217353_at	0.13	-2.90	0.00	0.00
222366_at	0.13	-2.90	0.00	0.00
220728_at	0.13	-2.98	0.00	0.00
215083_at	0.12	-3.08	0.00	0.00
215768_at	0.12	-3.12	0.00	0.00
215385_at	0.11	-3.13	0.00	0.00
212913_at	0.11	-3.16	0.00	0.00
220711_at	0.11	-3.19	0.00	0.00
222308_x_at	0.11	-3.18	0.00	0.00
215599_at	0.11	-3.24	0.00	0.00
222316_at	0.10	-3.27	0.00	0.00
205728_at	0.10	-3.29	0.00	0.00
213397_x_at	0.10	-3.30	0.00	0.00
205871_at	0.10	-3.30	0.00	0.00
222368_at	0.10	-3.32	0.00	0.00
220855_at	0.10	-3.34	0.00	0.00
215392_at	0.10	-3.36	0.00	0.00
214415_at	0.09	-3.44	0.00	0.00
215635_at	0.08	-3.64	0.00	0.00
216614_at	0.06	-4.02	0.00	0.00
208498_s_at	0.06	-4.08	0.00	0.00
220038_at	0.06	-4.12	0.00	0.00

Table S4. SCC invasion vs. normal epidermis (FCH>3.0 and FDR<0.05)

1325 up- and 1461 down-regulated probestes

Probe	Symbol	Description	FCH	lgFCH	P	fdr	fdr
219574_at		1-Mar membrane-asso	0.32	-1.63	0.00	0.00	0.00
213256_at		3-Mar membrane-asso	0.21	-2.27	0.00	0.00	0.00
201737_s_at		6-Mar membrane-asso	0.09	-3.43	0.00	0.00	0.00
200778_s_at		2-Sep septin 2	3.09	1.63	0.00	0.00	0.00
208999_at		8-Sep septin 8	0.30	-1.74	0.00	0.00	0.00
201307_at		11-Sep septin 11	3.25	1.70	0.01	0.01	0.01
217757_at	A2M	alpha-2-macrogli	5.41	2.44	0.00	0.00	0.00
219488_at	A4GALT	alpha 1,4-galact	3.77	1.91	0.00	0.00	0.00
205969_at	AADAC	arylacetamide de	0.16	-2.62	0.00	0.00	0.00
201511_at	AAMP	angio-associater	3.16	1.66	0.00	0.00	0.00
214829_at	AASS	aminoadipate-se	0.32	-1.62	0.00	0.00	0.00
205986_at	AATK	apoptosis-assoc	3.27	1.71	0.00	0.00	0.00
203504_s_at	ABCA1	ATP-binding cas	0.28	-1.82	0.00	0.00	0.00
220159_at	ABCA11P	ATP-binding cas	0.31	-1.70	0.00	0.00	0.00
210082_at	ABCA4	ATP-binding cas	7.64	2.93	0.00	0.00	0.00
213353_at	ABCA5	ATP-binding cas	0.11	-3.16	0.00	0.00	0.00
204719_at	ABCA8	ATP-binding cas	0.24	-2.09	0.00	0.00	0.00
208161_s_at	ABCC3	ATP-binding cas	0.33	-1.59	0.00	0.00	0.00
203196_at	ABCC4	ATP-binding cas	0.18	-2.51	0.00	0.00	0.00
205142_x_at	ABCD1	ATP-binding cas	3.21	1.68	0.00	0.00	0.00
202850_at	ABCD3	ATP-binding cas	0.28	-1.84	0.00	0.00	0.00
203981_s_at	ABCD4	ATP-binding cas	0.33	-1.61	0.00	0.00	0.00
209247_s_at	ABCF2	ATP-binding cas	3.82	1.94	0.00	0.00	0.00
207623_at	ABCF2	ATP-binding cas	0.13	-2.99	0.00	0.00	0.00
207593_at	ABCG4	ATP-binding cas	3.48	1.80	0.00	0.00	0.00
205566_at	ABHD2	abhydrolase don	4.80	2.26	0.00	0.00	0.00
221679_s_at	ABHD6	abhydrolase don	0.26	-1.96	0.00	0.00	0.00
209028_s_at	ABI1	abl-interactor 1	0.31	-1.69	0.00	0.00	0.00
202025_x_at	ACAA1	acetyl-Coenzym	4.14	2.05	0.00	0.00	0.00
43427_at	ACACB	acetyl-Coenzym	0.33	-1.59	0.00	0.00	0.00
49452_at	ACACB	acetyl-Coenzym	0.25	-1.98	0.00	0.00	0.00
206069_s_at	ACADL	acyl-Coenzyme ,	0.16	-2.61	0.00	0.00	0.00
206068_s_at	ACADL	acyl-Coenzyme ,	0.04	-4.54	0.00	0.00	0.00
205355_at	ACADSB	acyl-Coenzyme ,	0.19	-2.42	0.00	0.00	0.00
212476_at	ACAP2	ArfGAP with coil	0.29	-1.77	0.00	0.00	0.00
202323_s_at	ACBD3	acyl-Coenzyme ,	0.29	-1.80	0.00	0.00	0.00
210337_s_at	ACLY	ATP citrate lyase	5.08	2.34	0.00	0.00	0.00
200793_s_at	ACO2	aconitase 2, mitc	4.26	2.09	0.00	0.00	0.00
214763_at	ACOT11	acyl-CoA thioest	10.54	3.40	0.00	0.00	0.00
221641_s_at	ACOT9	acyl-CoA thioest	3.67	1.88	0.00	0.00	0.00
215227_x_at	ACP1	acid phosphatas	3.03	1.60	0.00	0.00	0.00

206465_at	ACSBG1	acyl-CoA synthe	0.15	-2.71	0.00	0.00
201661_s_at	ACSL3	acyl-CoA synthe	0.28	-1.84	0.00	0.00
202422_s_at	ACSL4	acyl-CoA synthe	0.28	-1.85	0.00	0.00
208636_at	ACTN1	actinin, alpha 1	14.27	3.84	0.00	0.00
208637_x_at	ACTN1	actinin, alpha 1	8.62	3.11	0.00	0.00
211160_x_at	ACTN1	actinin, alpha 1	8.06	3.01	0.00	0.00
205209_at	ACVR1B	activin A recepto	0.19	-2.43	0.00	0.00
202604_x_at	ADAM10	ADAM metallope	3.93	1.98	0.00	0.00
206046_at	ADAM23	ADAM metallope	11.11	3.47	0.00	0.00
208268_at	ADAM28	ADAM metallope	0.30	-1.76	0.00	0.00
220208_at	ADAMTS13	ADAM metallope	4.15	2.05	0.00	0.00
220705_s_at	ADAMTS7	ADAM metallope	3.04	1.60	0.00	0.00
213217_at	ADCY2	adenylate cyclas	0.18	-2.51	0.00	0.00
204497_at	ADCY9	adenylate cyclas	3.80	1.93	0.00	0.00
204498_s_at	ADCY9	adenylate cyclas	3.74	1.90	0.00	0.00
201034_at	ADD3	adducin 3 (gamn	0.32	-1.66	0.00	0.00
201753_s_at	ADD3	adducin 3 (gamn	0.27	-1.92	0.00	0.00
201752_s_at	ADD3	adducin 3 (gamn	0.24	-2.05	0.00	0.00
205882_x_at	ADD3	adducin 3 (gamn	0.23	-2.13	0.00	0.00
202912_at	ADM	adrenomedullin	4.52	2.18	0.00	0.00
220538_at	ADM2	adrenomedullin ;	5.40	2.43	0.00	0.00
38447_at	ADRBK1	adrenergic, beta	11.31	3.50	0.00	0.00
201402_at	ADRBK1	adrenergic, beta	8.72	3.13	0.00	0.00
201792_at	AEBP1	AE binding prote	3.92	1.97	0.00	0.00
201924_at	AFF1	AF4/FMR2 famil	0.27	-1.89	0.00	0.00
222362_at	AGFG2	ArfGAP with FG	0.27	-1.88	0.00	0.00
208042_at	AGGF1	angiogenic facto	0.27	-1.87	0.00	0.00
219693_at	AGPAT4	1-acylglycerol-3-	3.01	1.59	0.00	0.00
200903_s_at	AHCY	adenosylhomocy	3.86	1.95	0.00	0.00
220016_at	AHNAK	AHNAK nucleop	0.21	-2.25	0.00	0.00
209901_x_at	AIF1	allograft inflam	3.16	1.66	0.00	0.00
206513_at	AIM2	absent in melanc	14.61	3.87	0.00	0.00
215789_s_at	AJAP1	adherens junctio	4.85	2.28	0.00	0.00
206460_at	AJAP1	adherens junctio	3.18	1.67	0.00	0.00
208967_s_at	AK2	adenylate kinase	3.15	1.66	0.00	0.00
208325_s_at	AKAP13	A kinase (PRKA,	0.30	-1.73	0.00	0.00
222024_s_at	AKAP13	A kinase (PRKA,	0.21	-2.23	0.00	0.00
205771_s_at	AKAP7	A kinase (PRKA,	0.18	-2.48	0.00	0.00
215741_x_at	AKAP8L	A kinase (PRKA,	4.43	2.15	0.00	0.00
215483_at	AKAP9	A kinase (PRKA,	0.08	-3.57	0.00	0.00
201272_at	AKR1B1	aldo-keto reduct	3.04	1.61	0.00	0.00
206561_s_at	AKR1B10	aldo-keto reduct	17.57	4.14	0.00	0.00
218487_at	ALAD	aminolevulinate,	0.33	-1.59	0.00	0.00
205633_s_at	ALAS1	aminolevulinate,	3.36	1.75	0.00	0.00
201951_at	ALCAM	activated leukoc	0.17	-2.60	0.00	0.00
217791_s_at	ALDH18A1	aldehyde dehydr	3.29	1.72	0.00	0.00
203180_at	ALDH1A3	aldehyde dehydr	4.38	2.13	0.00	0.00
202053_s_at	ALDH3A2	aldehyde dehydr	0.23	-2.13	0.00	0.00

202054_s_at	ALDH3A2	aldehyde dehydr	0.19	-2.39	0.00	0.00
211552_s_at	ALDH4A1	aldehyde dehydr	5.16	2.37	0.00	0.00
203608_at	ALDH5A1	aldehyde dehydr	0.20	-2.33	0.00	0.00
220148_at	ALDH8A1	aldehyde dehydr	0.26	-1.96	0.00	0.00
218444_at	ALG12	asparagine-link	3.45	1.79	0.00	0.00
205583_s_at	ALG13	asparagine-link	0.28	-1.82	0.00	0.00
205584_at	ALG13	asparagine-link	0.27	-1.90	0.00	0.00
214707_x_at	ALMS1	Alstrom syndrom	0.27	-1.92	0.00	0.00
207206_s_at	ALOX12	arachidonate 12-	0.14	-2.84	0.00	0.00
206714_at	ALOX15B	arachidonate 15-	3.08	1.62	0.01	0.01
222383_s_at	ALOXE3	arachidonate lip	0.13	-2.98	0.00	0.00
201196_s_at	AMD1	adenosylmethior	3.15	1.66	0.00	0.00
202204_s_at	AMFR	autocrine motility	5.02	2.33	0.00	0.00
202203_s_at	AMFR	autocrine motility	0.24	-2.05	0.00	0.00
222108_at	AMIGO2	adhesion molecul	24.55	4.62	0.00	0.00
203002_at	AMOTL2	angiomotin like 2	0.21	-2.26	0.00	0.00
218555_at	ANAPC2	anaphase promc	0.28	-1.86	0.00	0.00
205141_at	ANG	angiogenin, ribos	0.17	-2.59	0.00	0.00
221825_at	ANGEL2	angel homolog 2	0.33	-1.60	0.00	0.00
221009_s_at	ANGPTL4	angiopoietin-like	5.49	2.46	0.00	0.00
215314_at	ANK3	ankyrin 3, node c	0.24	-2.08	0.00	0.00
218769_s_at	ANKRA2	ankyrin repeat, fi	0.23	-2.11	0.00	0.00
218093_s_at	ANKRD10	ankyrin repeat di	0.29	-1.77	0.00	0.00
212289_at	ANKRD12	ankyrin repeat di	0.31	-1.68	0.00	0.00
216563_at	ANKRD12	ankyrin repeat di	0.27	-1.88	0.00	0.00
216550_x_at	ANKRD12	ankyrin repeat di	0.22	-2.20	0.00	0.00
214723_x_at	ANKRD36	ankyrin repeat di	0.09	-3.54	0.00	0.00
220940_at	ANKRD36B	ankyrin repeat di	0.20	-2.33	0.00	0.00
212731_at	ANKRD46	ankyrin repeat di	0.26	-1.94	0.00	0.00
218804_at	ANO1	anoctamin 1, cal	0.19	-2.41	0.00	0.00
201012_at	ANXA1	annexin A1	4.35	2.12	0.00	0.00
209369_at	ANXA3	annexin A3	10.94	3.45	0.00	0.00
211712_s_at	ANXA9	annexin A9	0.13	-2.95	0.00	0.00
218261_at	AP1M2	adaptor-related f	3.21	1.68	0.00	0.00
200615_s_at	AP2B1	adaptor-related f	7.28	2.86	0.00	0.00
200613_at	AP2M1	adaptor-related f	4.39	2.13	0.00	0.00
209870_s_at	APBA2	amyloid beta (A4	3.95	1.98	0.00	0.00
211404_s_at	APLP2	amyloid beta (A4	5.82	2.54	0.00	0.00
208702_x_at	APLP2	amyloid beta (A4	4.06	2.02	0.00	0.00
214875_x_at	APLP2	amyloid beta (A4	3.58	1.84	0.00	0.00
210873_x_at	APOBEC3A	apolipoprotein B	25.04	4.65	0.00	0.00
204205_at	APOBEC3G	apolipoprotein B	6.96	2.80	0.00	0.00
215579_at	APOBEC3G	apolipoprotein B	4.10	2.04	0.00	0.00
212884_x_at	APOE	apolipoprotein E	0.33	-1.60	0.00	0.00
203382_s_at	APOE	apolipoprotein E	0.18	-2.44	0.00	0.00
203381_s_at	APOE	apolipoprotein E	0.18	-2.52	0.00	0.00
209546_s_at	APOL1	apolipoprotein L,	5.06	2.34	0.00	0.00
219716_at	APOL6	apolipoprotein L,	5.54	2.47	0.00	0.00

221620_s_at	APOO	apolipoprotein O	4.49	2.17	0.00	0.00
214953_s_at	APP	amyloid beta (A4	3.88	1.96	0.00	0.00
218218_at	APPL2	adaptor protein,	0.12	-3.02	0.00	0.00
212583_at	AQR	aquarius homolo	0.30	-1.76	0.00	0.00
214102_at	ARAP2	ArfGAP with Rhc	0.16	-2.66	0.00	0.00
205239_at	AREG	amphiregulin	26.87	4.75	0.00	0.00
202955_s_at	ARFGEF1	ADP-ribosylation	4.70	2.23	0.00	0.00
218098_at	ARFGEF2	ADP-ribosylation	0.26	-1.94	0.00	0.00
218067_s_at	ARGLU1	arginine and glut	0.24	-2.07	0.00	0.00
207606_s_at	ARHGAP12	Rho GTPase act	0.27	-1.91	0.00	0.00
206298_at	ARHGAP22	Rho GTPase act	3.62	1.86	0.00	0.00
221030_s_at	ARHGAP24	Rho GTPase act	0.30	-1.72	0.00	0.00
204882_at	ARHGAP25	Rho GTPase act	5.82	2.54	0.00	0.00
203910_at	ARHGAP29	Rho GTPase act	0.20	-2.33	0.00	0.00
217936_at	ARHGAP5	Rho GTPase act	0.27	-1.90	0.00	0.00
218964_at	ARID3B	AT rich interactiv	3.38	1.76	0.00	0.00
220468_at	ARL14	ADP-ribosylation	9.32	3.22	0.00	0.00
202092_s_at	ARL2BP	ADP-ribosylation	3.31	1.73	0.00	0.00
202208_s_at	ARL4C	ADP-ribosylation	3.36	1.75	0.00	0.00
219094_at	ARMC8	armadillo repeat	0.24	-2.06	0.00	0.00
218694_at	ARMCX1	armadillo repeat	0.24	-2.07	0.00	0.00
210971_s_at	ARNTL	aryl hydrocarbon	0.20	-2.33	0.00	0.00
220658_s_at	ARNTL2	aryl hydrocarbon	4.32	2.11	0.00	0.00
201954_at	ARPC1B	actin related proi	12.43	3.64	0.00	0.00
217818_s_at	ARPC4	actin related proi	3.75	1.91	0.00	0.00
205784_x_at	ARVCF	armadillo repeat	3.62	1.86	0.00	0.00
210980_s_at	ASAH1	N-acylsphingosir	0.33	-1.60	0.00	0.00
219103_at	ASAP3	ArfGAP with SH:	0.18	-2.44	0.00	0.00
203427_at	ASF1A	ASF1 anti-silenc	0.17	-2.58	0.00	0.00
218115_at	ASF1B	ASF1 anti-silenc	4.00	2.00	0.00	0.00
206030_at	ASPA	aspartoacylase (	0.18	-2.45	0.00	0.00
209135_at	ASPH	aspartate beta-h	0.30	-1.75	0.00	0.00
219918_s_at	ASPM	asp (abnormal sj	0.33	-1.62	0.01	0.02
213387_at	ATAD2B	ATPase family, /	0.23	-2.13	0.00	0.00
219068_x_at	ATAD3A	ATPase family, /	4.72	2.24	0.00	0.00
217550_at	ATF6	activating transc	0.30	-1.76	0.00	0.00
216197_at	ATF7IP	activating transc	0.14	-2.83	0.00	0.00
204833_at	ATG12	ATG12 autophag	3.83	1.94	0.00	0.00
219164_s_at	ATG2B	ATG2 autophagy	0.21	-2.29	0.00	0.00
40489_at	ATN1	atrophin 1	5.88	2.56	0.00	0.00
203454_s_at	ATOX1	ATX1 antioxidant	4.93	2.30	0.00	0.00
220920_at	ATP10B	ATPase, class V	0.27	-1.87	0.00	0.00
213582_at	ATP11A	ATPase, class V	0.19	-2.42	0.00	0.00
207367_at	ATP12A	ATPase, H+/K+ :	17.76	4.15	0.00	0.00
201243_s_at	ATP1B1	ATPase, Na+/K+	3.34	1.74	0.01	0.01
209281_s_at	ATP2B1	ATPase, Ca++ tr	0.30	-1.75	0.00	0.00
215716_s_at	ATP2B1	ATPase, Ca++ tr	0.17	-2.57	0.00	0.00
212930_at	ATP2B1	ATPase, Ca++ tr	0.12	-3.06	0.00	0.00

206043_s_at	ATP2C2	ATPase, Ca++ tr	0.22	-2.18	0.00	0.00
217603_at	ATP6V0A2	ATPase, H+ tran	0.28	-1.86	0.00	0.00
200078_s_at	ATP6V0B	ATPase, H+ tran	3.32	1.73	0.00	0.00
212041_at	ATP6V0D1	ATPase, H+ tran	3.21	1.68	0.00	0.00
200096_s_at	ATP6V0E1	ATPase, H+ tran	3.93	1.98	0.00	0.00
213587_s_at	ATP6V0E2	ATPase, H+ tran	0.17	-2.59	0.00	0.00
205197_s_at	ATP7A	ATPase, Cu++ tr	0.22	-2.21	0.00	0.00
205198_s_at	ATP7A	ATPase, Cu++ tr	0.14	-2.86	0.00	0.00
213106_at	ATP8A1	ATPase, aminop	0.07	-3.77	0.00	0.00
208859_s_at	ATRX	alpha thalasse	0.31	-1.69	0.00	0.00
208860_s_at	ATRX	alpha thalasse	0.27	-1.89	0.00	0.00
209964_s_at	ATXN7	ataxin 7	0.16	-2.64	0.00	0.00
204516_at	ATXN7	ataxin 7	0.08	-3.59	0.00	0.00
205539_at	AVIL	advillin	0.21	-2.27	0.00	0.00
208260_at	AVPR1B	arginine vasopre	8.66	3.11	0.00	0.00
209309_at	AZGP1	alpha-2-glycoprc	0.08	-3.64	0.00	0.00
204856_at	B3GNT3	UDP-GlcNAc:be	3.84	1.94	0.00	0.00
213589_s_at	B3GNTL1	UDP-GlcNAc:be	0.25	-1.98	0.00	0.00
210540_s_at	B4GALT4	UDP-Gal:betaGl	0.29	-1.79	0.00	0.00
221484_at	B4GALT5	UDP-Gal:betaGl	4.14	2.05	0.00	0.00
209364_at	BAD	BCL2-associater	3.16	1.66	0.00	0.00
202984_s_at	BAG5	BCL2-associater	0.15	-2.79	0.00	0.00
203728_at	BAK1	BCL2-antagonisi	3.55	1.83	0.00	0.00
205345_at	BARD1	BRCA1 associat	0.13	-2.91	0.00	0.00
210419_at	BARX2	BARX homeobo:	3.30	1.72	0.00	0.00
202391_at	BASP1	brain abundant, i	10.50	3.39	0.00	0.00
200041_s_at	BAT1	HLA-B associate	0.29	-1.80	0.00	0.00
212384_at	BAT1	HLA-B associate	0.27	-1.90	0.00	0.00
201355_s_at	BAZ2A	bromodomain ac	3.26	1.71	0.00	0.00
91920_at	BCAN	brevican	6.23	2.64	0.00	0.00
204032_at	BCAR3	breast cancer an	0.27	-1.87	0.00	0.00
219498_s_at	BCL11A	B-cell CLL/lymph	0.23	-2.11	0.00	0.00
219497_s_at	BCL11A	B-cell CLL/lymph	0.20	-2.36	0.00	0.00
203685_at	BCL2	B-cell CLL/lymph	0.09	-3.47	0.00	0.00
203140_at	BCL6	B-cell CLL/lymph	0.32	-1.66	0.00	0.00
215990_s_at	BCL6	B-cell CLL/lymph	0.15	-2.70	0.00	0.00
219072_at	BCL7C	B-cell CLL/lymph	3.17	1.67	0.00	0.00
204129_at	BCL9	B-cell CLL/lymph	3.71	1.89	0.00	0.00
214499_s_at	BCLAF1	BCL2-associater	0.27	-1.89	0.00	0.00
219433_at	BCOR	BCL6 co-repress	0.29	-1.81	0.00	0.00
217223_s_at	BCR	breakpoint cluste	4.14	2.05	0.00	0.00
202315_s_at	BCR	breakpoint cluste	3.83	1.94	0.00	0.00
205870_at	BDKRB2	bradykinin recep	3.28	1.71	0.00	0.00
215440_s_at	BEX4	brain expressed,	0.19	-2.42	0.00	0.00
213709_at	BHLHB9	basic helix-loop-i	0.33	-1.59	0.00	0.00
206119_at	BHMT	betaine-homocys	3.06	1.61	0.00	0.00
211725_s_at	BID	BH3 interacting c	10.26	3.36	0.00	0.00
204493_at	BID	BH3 interacting c	6.10	2.61	0.00	0.00

214439_x_at	BIN1	bridging integrat	7.63	2.93	0.00	0.00
202931_x_at	BIN1	bridging integrat	5.74	2.52	0.00	0.00
210201_x_at	BIN1	bridging integrat	3.72	1.89	0.00	0.00
219191_s_at	BIN2	bridging integrat	4.71	2.24	0.00	0.00
202179_at	BLMH	bleomycin hydro	0.21	-2.25	0.00	0.00
206725_x_at	BMP1	bone morphoger	4.76	2.25	0.00	0.00
205574_x_at	BMP1	bone morphoger	3.11	1.64	0.00	0.00
207595_s_at	BMP1	bone morphoger	3.10	1.63	0.00	0.00
205289_at	BMP2	bone morphoger	0.19	-2.39	0.00	0.00
209591_s_at	BMP7	bone morphoger	0.25	-2.01	0.00	0.00
220203_at	BMP8A	bone morphoger	8.22	3.04	0.00	0.00
201848_s_at	BNIP3	BCL2/adenoviru:	3.12	1.64	0.00	0.00
203502_at	BPGM	2,3-bisphosphog	3.93	1.97	0.00	0.00
204520_x_at	BRD1	bromodomain cc	0.25	-1.98	0.00	0.00
215460_x_at	BRD1	bromodomain cc	0.25	-2.01	0.00	0.00
214820_at	BRWD1	bromodomain ar	0.28	-1.83	0.00	0.00
218090_s_at	BRWD2	bromodomain ar	0.31	-1.67	0.00	0.00
208677_s_at	BSG	basigin (Ok bloo	3.23	1.69	0.00	0.00
201641_at	BST2	bone marrow str	14.79	3.89	0.00	0.00
209430_at	BTAF1	BTAF1 RNA poly	0.21	-2.26	0.00	0.00
202946_s_at	BTBD3	BTB (POZ) domi	0.27	-1.89	0.00	0.00
207326_at	BTC	betacellulin	0.04	-4.63	0.00	0.00
215425_at	BTG3	BTG family, men	0.27	-1.91	0.00	0.00
204821_at	BTN3A3	butyrophilin, sub	0.29	-1.76	0.00	0.00
38241_at	BTN3A3	butyrophilin, sub	0.21	-2.25	0.00	0.00
204901_at	BTRC	beta-transducin	5.09	2.35	0.00	0.00
209183_s_at	C10orf10	chromosome 10	3.31	1.73	0.00	0.00
219953_s_at	C11orf17	chromosome 11	4.33	2.11	0.00	0.00
218299_at	C11orf24	chromosome 11	6.52	2.71	0.00	0.00
52164_at	C11orf24	chromosome 11	3.51	1.81	0.00	0.00
204218_at	C11orf51	chromosome 11	3.84	1.94	0.00	0.00
221208_s_at	C11orf61	chromosome 11	0.21	-2.23	0.00	0.00
220141_at	C11orf63	chromosome 11	0.31	-1.71	0.00	0.00
221599_at	C11orf67	chromosome 11	0.26	-1.96	0.00	0.00
218789_s_at	C11orf71	chromosome 11	0.22	-2.16	0.00	0.00
64432_at	C12orf47	chromosome 12	0.14	-2.83	0.00	0.00
218867_s_at	C12orf49	chromosome 12	3.74	1.90	0.00	0.00
219099_at	C12orf5	chromosome 12	4.02	2.01	0.00	0.00
221777_at	C12orf52	chromosome 12	3.82	1.93	0.00	0.00
219166_at	C14orf104	chromosome 14	0.30	-1.75	0.00	0.00
206500_s_at	C14orf106	chromosome 14	0.15	-2.71	0.00	0.00
218820_at	C14orf132	chromosome 14	0.07	-3.76	0.00	0.00
208109_s_at	C15orf5	chromosome 15	0.24	-2.09	0.00	0.00
218060_s_at	C16orf57	chromosome 16	3.18	1.67	0.00	0.00
219556_at	C16orf59	chromosome 16	4.60	2.20	0.00	0.00
203830_at	C17orf75	chromosome 17	0.20	-2.31	0.00	0.00
221621_at	C17orf86	chromosome 17	0.29	-1.81	0.00	0.00
207996_s_at	C18orf1	chromosome 18	5.81	2.54	0.00	0.00

217539_at	C18orf25	chromosome 18	0.33	-1.59	0.00	0.00
222266_at	C19orf2	chromosome 19	0.22	-2.20	0.00	0.00
212925_at	C19orf21	chromosome 19	11.10	3.47	0.00	0.00
55705_at	C19orf22	chromosome 19	4.54	2.18	0.00	0.00
200076_s_at	C19orf50	chromosome 19	3.95	1.98	0.00	0.00
206901_at	C19orf57	chromosome 19	4.78	2.26	0.00	0.00
218429_s_at	C19orf66	chromosome 19	3.20	1.68	0.00	0.00
218712_at	C1orf109	chromosome 1 c	0.23	-2.11	0.00	0.00
220011_at	C1orf135	chromosome 1 c	3.24	1.70	0.00	0.00
212003_at	C1orf144	chromosome 1 c	5.76	2.53	0.00	0.00
212004_at	C1orf144	chromosome 1 c	3.79	1.92	0.00	0.00
210711_at	C1orf217	chromosome 1 c	0.21	-2.25	0.00	0.00
216935_at	C1orf46	chromosome 1 c	0.20	-2.30	0.00	0.00
209006_s_at	C1orf63	chromosome 1 c	0.23	-2.10	0.00	0.00
217087_at	C1orf68	chromosome 1 c	0.26	-1.95	0.00	0.00
202953_at	C1QB	complement con	4.11	2.04	0.00	0.00
212067_s_at	C1R	complement con	5.69	2.51	0.00	0.00
218983_at	C1RL	complement con	0.24	-2.09	0.00	0.00
208747_s_at	C1S	complement con	11.24	3.49	0.00	0.00
203052_at	C2	complement con	3.18	1.67	0.00	0.00
219463_at	C20orf103	chromosome 20	3.60	1.85	0.00	0.00
215852_x_at	C20orf117	chromosome 20	0.33	-1.61	0.00	0.00
219961_s_at	C20orf19	chromosome 20	5.10	2.35	0.00	0.00
217835_x_at	C20orf24	chromosome 20	3.13	1.65	0.00	0.00
219706_at	C20orf29	chromosome 20	3.37	1.75	0.00	0.00
219617_at	C2orf34	chromosome 2 c	0.28	-1.85	0.00	0.00
220149_at	C2orf54	chromosome 2 c	0.16	-2.66	0.00	0.00
220943_s_at	C2orf56	chromosome 2 c	0.24	-2.07	0.00	0.00
215046_at	C2orf67	chromosome 2 c	0.17	-2.59	0.00	0.00
221878_at	C2orf68	chromosome 2 c	0.20	-2.31	0.00	0.00
65472_at	C2orf68	chromosome 2 c	0.15	-2.76	0.00	0.00
209906_at	C3AR1	complement con	5.11	2.35	0.00	0.00
209285_s_at	C3orf63	chromosome 3 c	0.33	-1.62	0.00	0.00
219023_at	C4orf16	chromosome 4 c	0.17	-2.59	0.00	0.00
218179_s_at	C4orf41	chromosome 4 c	0.28	-1.83	0.00	0.00
218513_at	C4orf43	chromosome 4 c	0.14	-2.83	0.00	0.00
205500_at	C5	complement con	0.17	-2.53	0.00	0.00
201310_s_at	C5orf13	chromosome 5 c	4.10	2.04	0.00	0.00
221823_at	C5orf30	chromosome 5 c	0.33	-1.60	0.00	0.00
48030_i_at	C5orf4	chromosome 5 c	13.20	3.72	0.00	0.00
218674_at	C5orf44	chromosome 5 c	0.24	-2.08	0.00	0.00
217924_at	C6orf106	chromosome 6 c	3.32	1.73	0.00	0.00
210409_at	C6orf124	chromosome 6 c	0.26	-1.96	0.00	0.00
221100_at	C6orf15	chromosome 6 c	3.57	1.84	0.00	0.00
220755_s_at	C6orf48	chromosome 6 c	3.55	1.83	0.00	0.00
219655_at	C7orf10	chromosome 7 c	4.29	2.10	0.00	0.00
215024_at	C7orf28B	chromosome 7 c	0.18	-2.51	0.00	0.00
206497_at	C7orf44	chromosome 7 c	0.31	-1.71	0.00	0.00

220949_s_at	C7orf49	chromosome 7 c	3.79	1.92	0.00	0.00
210109_at	C7orf54	chromosome 7 c	0.30	-1.74	0.00	0.00
221596_s_at	C7orf64	chromosome 7 c	0.15	-2.72	0.00	0.00
221629_x_at	C8orf30A	chromosome 8 c	3.94	1.98	0.00	0.00
61874_at	C9orf7	chromosome 9 c	3.02	1.60	0.00	0.00
204865_at	CA3	carbonic anhydr	0.21	-2.29	0.00	0.00
207504_at	CA7	carbonic anhydr	3.45	1.79	0.00	0.00
211592_s_at	CACNA1C	calcium channel	0.25	-2.01	0.00	0.00
211802_x_at	CACNA1G	calcium channel	4.04	2.02	0.00	0.00
62987_r_at	CACNG4	calcium channel	27.05	4.76	0.00	0.00
209030_s_at	CADM1	cell adhesion mc	0.30	-1.72	0.00	0.00
209031_at	CADM1	cell adhesion mc	0.10	-3.32	0.00	0.00
205428_s_at	CALB2	calbindin 2	4.94	2.30	0.00	0.00
221565_s_at	CALHM2	calcium homeos	3.42	1.78	0.00	0.00
200622_x_at	CALM3	calmodulin 3 (ph	5.20	2.38	0.00	0.00
64408_s_at	CALML4	calmodulin-like 4	0.32	-1.64	0.00	0.00
200757_s_at	CALU	calumenin	7.09	2.83	0.00	0.00
200755_s_at	CALU	calumenin	3.85	1.95	0.00	0.00
34846_at	CAMK2B	calcium/calmodu	4.49	2.17	0.00	0.00
218309_at	CAMK2N1	calcium/calmodu	6.00	2.59	0.00	0.00
213547_at	CAND2	cullin-associated	0.23	-2.16	0.00	0.00
221732_at	CANT1	calcium activate	3.08	1.62	0.00	0.00
200625_s_at	CAP1	CAP, adenylate	3.36	1.75	0.00	0.00
208683_at	CAPN2	calpain 2, (m/II) I	8.91	3.16	0.00	0.00
203356_at	CAPN7	calpain 7	0.30	-1.76	0.00	0.00
203357_s_at	CAPN7	calpain 7	0.29	-1.81	0.00	0.00
200001_at	CAPNS1	calpain, small su	7.20	2.85	0.00	0.00
204950_at	CARD8	caspase recruitr	0.32	-1.66	0.00	0.00
218384_at	CARHSP1	calcium regulate	4.39	2.14	0.00	0.00
61297_at	CASKIN2	CASK interactin	0.28	-1.83	0.00	0.00
211366_x_at	CASP1	caspase 1, apop	3.86	1.95	0.00	0.00
211368_s_at	CASP1	caspase 1, apop	3.22	1.69	0.00	0.00
222201_s_at	CASP8AP2	caspase 8 assoc	0.28	-1.82	0.00	0.00
215573_at	CAT	catalase	0.30	-1.74	0.00	0.00
208204_s_at	CAV3	caveolin 3	3.57	1.84	0.00	0.00
213626_at	CBR4	carbonyl reducta	0.12	-3.03	0.00	0.00
219611_s_at	CCDC21	coiled-coil doma	3.59	1.85	0.00	0.00
219644_at	CCDC41	coiled-coil doma	0.15	-2.74	0.00	0.00
218175_at	CCDC92	coiled-coil doma	6.13	2.62	0.00	0.00
209689_at	CCDC93	coiled-coil doma	0.27	-1.90	0.00	0.00
32128_at	CCL18	chemokine (C-C	3.09	1.63	0.02	0.03
205476_at	CCL20	chemokine (C-C	4.96	2.31	0.00	0.00
207861_at	CCL22	chemokine (C-C	3.62	1.86	0.00	0.00
207955_at	CCL27	chemokine (C-C	0.01	-6.30	0.00	0.00
204103_at	CCL4	chemokine (C-C	4.13	2.05	0.00	0.00
1405_i_at	CCL5	chemokine (C-C	5.61	2.49	0.00	0.00
204655_at	CCL5	chemokine (C-C	3.45	1.78	0.01	0.02
208712_at	CCND1	cyclin D1	0.24	-2.04	0.00	0.00

208711_s_at	CCND1	cyclin D1	0.23	-2.15	0.00	0.00
200951_s_at	CCND2	cyclin D2	4.73	2.24	0.00	0.00
205034_at	CCNE2	cyclin E2	0.29	-1.80	0.00	0.00
204645_at	CCNT2	cyclin T2	0.19	-2.37	0.00	0.00
222156_x_at	CCPG1	cell cycle progre	0.27	-1.90	0.00	0.00
221156_x_at	CCPG1	cell cycle progre	0.20	-2.33	0.00	0.00
206983_at	CCR6	chemokine (C-C	0.32	-1.66	0.00	0.00
220351_at	CCRL1	chemokine (C-C	0.30	-1.72	0.02	0.03
201743_at	CD14	CD14 molecule	5.64	2.50	0.00	0.00
204306_s_at	CD151	CD151 molecule	4.22	2.08	0.00	0.00
208653_s_at	CD164	CD164 molecule	5.43	2.44	0.00	0.00
219669_at	CD177	CD177 molecule	3.53	1.82	0.00	0.00
206749_at	CD1B	CD1b molecule	3.49	1.81	0.01	0.01
205831_at	CD2	CD2 molecule	3.11	1.64	0.00	0.00
220428_at	CD207	CD207 molecule	0.29	-1.81	0.00	0.00
209772_s_at	CD24	CD24 molecule	17.78	4.15	0.00	0.00
209771_x_at	CD24	CD24 molecule	4.46	2.16	0.01	0.02
208651_x_at	CD24	CD24 molecule	4.02	2.01	0.01	0.01
216379_x_at	CD24	CD24 molecule	3.98	1.99	0.02	0.03
219025_at	CD248	CD248 molecule	3.06	1.61	0.00	0.00
203799_at	CD302	CD302 molecule	0.16	-2.65	0.00	0.00
35150_at	CD40	CD40 molecule,	8.42	3.07	0.00	0.00
222292_at	CD40	CD40 molecule,	0.24	-2.09	0.00	0.00
217523_at	CD44	CD44 molecule (	0.26	-1.96	0.00	0.00
211075_s_at	CD47	CD47 molecule	8.48	3.08	0.00	0.00
213055_at	CD47	CD47 molecule	4.38	2.13	0.00	0.00
203416_at	CD53	CD53 molecule	3.25	1.70	0.00	0.00
222061_at	CD58	CD58 molecule	0.13	-2.98	0.00	0.00
200983_x_at	CD59	CD59 molecule,	7.55	2.92	0.00	0.00
200984_s_at	CD59	CD59 molecule,	3.09	1.63	0.00	0.00
204440_at	CD83	CD83 molecule	3.35	1.74	0.00	0.00
205988_at	CD84	CD84 molecule	3.40	1.77	0.00	0.00
205627_at	CDA	cytidine deamina	11.29	3.50	0.00	0.00
205288_at	CDC14A	CDC14 cell divis	0.20	-2.35	0.00	0.00
210742_at	CDC14A	CDC14 cell divis	0.17	-2.58	0.00	0.00
211347_at	CDC14B	CDC14 cell divis	0.30	-1.76	0.00	0.00
203213_at	CDC2	cell division cycl	0.32	-1.63	0.00	0.00
201853_s_at	CDC25B	cell division cycl	7.72	2.95	0.00	0.00
217879_at	CDC27	cell division cycl	3.02	1.59	0.00	0.00
209288_s_at	CDC42EP3	CDC42 effector |	3.46	1.79	0.00	0.00
209057_x_at	CDC5L	CDC5 cell divisic	4.21	2.08	0.00	0.00
221520_s_at	CDCA8	cell division cycl	3.65	1.87	0.00	0.00
206898_at	CDH19	cadherin 19, typ	0.33	-1.60	0.00	0.00
203256_at	CDH3	cadherin 3, type	19.30	4.27	0.00	0.00
204252_at	CDK2	cyclin-dependen	0.28	-1.86	0.00	0.00
203252_at	CDK2AP2	cyclin-dependen	3.01	1.59	0.00	0.00
204247_s_at	CDK5	cyclin-dependen	7.10	2.83	0.00	0.00
202284_s_at	CDKN1A	cyclin-dependen	3.19	1.67	0.00	0.00

209112_at	CDKN1B	cyclin-dependen	0.24	-2.08	0.00	0.00
213348_at	CDKN1C	cyclin-dependen	3.45	1.79	0.00	0.00
207039_at	CDKN2A	cyclin-dependen	15.64	3.97	0.00	0.00
209644_x_at	CDKN2A	cyclin-dependen	3.98	1.99	0.00	0.00
218929_at	CDKN2AIP	CDKN2A interac	0.30	-1.75	0.00	0.00
204159_at	CDKN2C	cyclin-dependen	0.31	-1.70	0.00	0.00
213230_at	CDR2L	cerebellar degen	4.57	2.19	0.00	0.00
206430_at	CDX1	caudal type hom	5.67	2.50	0.00	0.00
201884_at	CEACAM5	carcinoembryoni	7.67	2.94	0.00	0.00
203757_s_at	CEACAM6	carcinoembryoni	24.09	4.59	0.00	0.00
211657_at	CEACAM6	carcinoembryoni	23.43	4.55	0.00	0.00
219505_at	CECR1	cat eye syndrom	3.33	1.73	0.00	0.00
219591_at	CEND1	cell cycle exit an	4.69	2.23	0.00	0.00
204739_at	CENPC1	centromere prote	0.17	-2.54	0.00	0.00
219294_at	CENPQ	centromere prote	0.21	-2.22	0.00	0.00
215170_s_at	CEP152	centrosomal proi	0.24	-2.04	0.00	0.00
218827_s_at	CEP192	centrosomal proi	0.32	-1.67	0.00	0.00
221683_s_at	CEP290	centrosomal proi	0.12	-3.02	0.00	0.00
203493_s_at	CEP57	centrosomal proi	0.30	-1.76	0.00	0.00
203494_s_at	CEP57	centrosomal proi	0.26	-1.96	0.00	0.00
222151_s_at	CEP63	centrosomal proi	0.20	-2.33	0.00	0.00
212677_s_at	CEP68	centrosomal proi	0.26	-1.93	0.00	0.00
52285_f_at	CEP76	centrosomal proi	0.14	-2.80	0.00	0.00
220335_x_at	CES3	carboxylesterase	6.47	2.69	0.00	0.00
209194_at	CETN2	centrin, EF-hand	3.24	1.70	0.00	0.00
210701_at	CFDP1	craniofacial deve	0.14	-2.82	0.00	0.00
213800_at	CFH	complement fact	7.12	2.83	0.00	0.00
206380_s_at	CFP	complement fact	0.25	-2.02	0.00	0.00
215318_at	CG012	hypothetical gen	0.20	-2.29	0.00	0.00
203975_s_at	CHAF1A	chromatin assen	0.29	-1.80	0.00	0.00
201183_s_at	CHD4	chromodomain h	0.27	-1.91	0.00	0.00
220586_at	CHD9	chromodomain h	0.31	-1.70	0.00	0.00
210416_s_at	CHEK2	CHK2 checkpoin	3.03	1.60	0.00	0.00
202229_s_at	CHERP	calcium homeos	3.40	1.77	0.00	0.00
209395_at	CHI3L1	chitinase 3-like 1	0.12	-3.03	0.00	0.00
213060_s_at	CHI3L2	chitinase 3-like 2	18.42	4.20	0.00	0.00
204591_at	CHL1	cell adhesion mc	0.31	-1.68	0.01	0.01
218178_s_at	CHMP1B	chromatin modifi	4.84	2.27	0.00	0.00
212624_s_at	CHN1	chimerin (chima	4.18	2.06	0.00	0.00
206149_at	CHP2	calcineurin B hor	0.05	-4.29	0.00	0.00
202175_at	CHPF	chondroitin polyr	3.84	1.94	0.00	0.00
221675_s_at	CHPT1	choline phospho	0.20	-2.30	0.00	0.00
211248_s_at	CHRD	chordin	0.16	-2.69	0.00	0.00
219634_at	CHST11	carbohydrate (cf	5.11	2.35	0.00	0.00
209834_at	CHST3	carbohydrate (cf	10.38	3.38	0.00	0.00
32094_at	CHST3	carbohydrate (cf	3.47	1.80	0.00	0.00
221065_s_at	CHST8	carbohydrate (N-	3.12	1.64	0.00	0.00
201953_at	CIB1	calcium and inte	4.52	2.18	0.00	0.00

205007_s_at	CIB2	calcium and inte	5.79	2.53	0.00	0.00
205008_s_at	CIB2	calcium and inte	3.93	1.98	0.00	0.00
209571_at	CIR1	corepressor inter	0.19	-2.37	0.00	0.00
221223_x_at	CISH	cytokine inducibl	3.97	1.99	0.00	0.00
209357_at	CITED2	Cbp/p300-intera	0.30	-1.73	0.00	0.00
207980_s_at	CITED2	Cbp/p300-intera	0.29	-1.80	0.00	0.00
211358_s_at	CIZ1	CDKN1A interac	0.32	-1.63	0.00	0.00
200998_s_at	CKAP4	cytoskeleton-ass	3.83	1.94	0.00	0.00
201897_s_at	CKS1B	CDC28 protein k	3.05	1.61	0.00	0.00
204170_s_at	CKS2	CDC28 protein k	3.01	1.59	0.02	0.02
212308_at	CLASP2	cytoplasmic linke	0.13	-2.90	0.00	0.00
206164_at	CLCA2	chloride channel	6.41	2.68	0.00	0.00
206166_s_at	CLCA2	chloride channel	4.28	2.10	0.00	0.00
206165_s_at	CLCA2	chloride channel	4.23	2.08	0.01	0.01
220026_at	CLCA4	chloride channel	0.06	-3.97	0.00	0.00
201733_at	CLCN3	chloride channel	0.31	-1.71	0.00	0.00
204482_at	CLDN5	claudin 5	0.26	-1.97	0.00	0.00
202790_at	CLDN7	claudin 7	4.50	2.17	0.00	0.00
214598_at	CLDN8	claudin 8	0.04	-4.63	0.00	0.00
209732_at	CLEC2B	C-type lectin dor	0.21	-2.28	0.00	0.00
221698_s_at	CLEC7A	C-type lectin dor	4.69	2.23	0.00	0.00
221881_s_at	CLIC4	chloride intracell	4.87	2.29	0.00	0.00
201975_at	CLIP1	CAP-GLY domai	0.33	-1.60	0.00	0.00
210716_s_at	CLIP1	CAP-GLY domai	0.32	-1.65	0.00	0.00
214683_s_at	CLK1	CDC-like kinase	0.26	-1.92	0.00	0.00
210346_s_at	CLK4	CDC-like kinase	0.24	-2.09	0.00	0.00
219341_at	CLN8	ceroid-lipofuscin	0.32	-1.64	0.00	0.00
221845_s_at	CLPB	ClpB caseinolytic	3.75	1.91	0.00	0.00
201640_x_at	CLPTM1	cleft lip and pala	5.33	2.41	0.00	0.00
216293_at	CLTA	clathrin, light che	3.01	1.59	0.00	0.00
205944_s_at	CLTCL1	clathrin, heavy c	3.18	1.67	0.00	0.00
222043_at	CLU	clusterin	0.10	-3.26	0.00	0.00
210571_s_at	CMAH	cytidine monoph	0.31	-1.68	0.00	0.00
205518_s_at	CMAH	cytidine monoph	0.03	-5.28	0.00	0.00
218111_s_at	CMAS	cytidine monoph	0.23	-2.11	0.00	0.00
206417_at	CNGA1	cyclic nucleotide	0.19	-2.38	0.00	0.00
207342_at	CNGB1	cyclic nucleotide	8.29	3.05	0.00	0.00
209874_x_at	CNNM2	cyclin M2	3.68	1.88	0.00	0.00
203239_s_at	CNOT3	CCR4-NOT tran:	0.33	-1.62	0.00	0.00
210867_at	CNOT4	CCR4-NOT tran:	0.14	-2.86	0.00	0.00
202163_s_at	CNOT8	CCR4-NOT tran:	0.29	-1.80	0.00	0.00
208912_s_at	CNP	2',3'-cyclic nucle	3.11	1.64	0.00	0.00
220323_at	CNTD2	cyclin N-terminal	5.28	2.40	0.00	0.00
206970_at	CNTN2	contactin 2 (axor	3.02	1.59	0.00	0.00
213050_at	COBL	cordons-bleu hor	0.18	-2.47	0.00	0.00
205229_s_at	COCH	coagulation fact	0.15	-2.74	0.00	0.00
211809_x_at	COL13A1	collagen, type XI	0.30	-1.75	0.00	0.00
204636_at	COL17A1	collagen, type X'	3.29	1.72	0.00	0.00

202310_s_at	COL1A1	collagen, type I,	4.88	2.29	0.00	0.00
202404_s_at	COL1A2	collagen, type I,	19.51	4.29	0.00	0.00
202403_s_at	COL1A2	collagen, type I,	12.32	3.62	0.00	0.00
208096_s_at	COL21A1	collagen, type X,	0.05	-4.48	0.00	0.00
215076_s_at	COL3A1	collagen, type III	18.75	4.23	0.00	0.00
211161_s_at	COL3A1	collagen, type III	10.43	3.38	0.00	0.00
201852_x_at	COL3A1	collagen, type III	8.50	3.09	0.00	0.00
211980_at	COL4A1	collagen, type IV	14.34	3.84	0.00	0.00
211964_at	COL4A2	collagen, type IV	18.27	4.19	0.00	0.00
222073_at	COL4A3	collagen, type IV	0.29	-1.77	0.00	0.00
212488_at	COL5A1	collagen, type V,	8.23	3.04	0.00	0.00
52255_s_at	COL5A3	collagen, type V,	0.21	-2.23	0.00	0.00
213290_at	COL6A2	collagen, type VI	0.31	-1.69	0.00	0.00
201438_at	COL6A3	collagen, type VI	27.71	4.79	0.00	0.00
204724_s_at	COL9A3	collagen, type IX	0.33	-1.60	0.00	0.00
221019_s_at	COLEC12	collectin sub-farr	0.31	-1.72	0.00	0.00
218439_s_at	COMMMD10	COMM domain c	5.58	2.48	0.00	0.00
206441_s_at	COMMMD4	COMM domain c	3.23	1.69	0.00	0.00
219561_at	COPZ2	coatomer proteir	4.67	2.22	0.00	0.00
64486_at	CORO1B	coronin, actin bir	3.99	2.00	0.00	0.00
203858_s_at	COX10	COX10 homolog	3.48	1.80	0.00	0.00
221550_at	COX15	COX15 homolog	0.15	-2.75	0.00	0.00
213758_at	COX4I1	cytochrome c ox	0.18	-2.47	0.00	0.00
217249_x_at	COX7A2	cytochrome c ox	4.29	2.10	0.00	0.00
205624_at	CPA3	carboxypeptidas	4.13	2.05	0.02	0.03
205773_at	CPEB3	cytoplasmic poly	0.30	-1.75	0.00	0.00
211062_s_at	CPZ	carboxypeptidas	3.51	1.81	0.00	0.00
202575_at	CRABP2	cellular retinoic ε	3.08	1.63	0.01	0.02
209833_at	CRADD	CASP2 and RIPI	4.64	2.22	0.00	0.00
209432_s_at	CREB3	cAMP responsiv	3.15	1.66	0.00	0.00
212345_s_at	CREB3L2	cAMP responsiv	3.22	1.69	0.00	0.00
202979_s_at	CREBZF	CREB/ATF bZIP	0.18	-2.49	0.00	0.00
214508_x_at	CREM	cAMP responsiv	3.61	1.85	0.00	0.00
205081_at	CRIP1	cysteine-rich pro	0.04	-4.66	0.00	0.00
221541_at	CRISPLD2	cysteine-rich sec	3.40	1.77	0.00	0.00
206274_s_at	CROCC	ciliary rootlet coil	0.33	-1.62	0.00	0.00
211038_s_at	CROCCL1	ciliary rootlet coil	0.31	-1.72	0.00	0.00
209674_at	CRY1	cryptochrome 1	0.15	-2.73	0.00	0.00
212695_at	CRY2	cryptochrome 2	0.23	-2.11	0.00	0.00
206778_at	CRYBB2	crystallin, beta B	3.35	1.74	0.00	0.00
205159_at	CSF2RB	colony stimulat	4.40	2.14	0.00	0.00
219049_at	CSGALNACT1	chondroitin sulfa	4.86	2.28	0.00	0.00
208866_at	CSNK1A1	casein kinase 1,	0.21	-2.23	0.00	0.00
203575_at	CSNK2A2	casein kinase 2,	0.33	-1.59	0.00	0.00
39966_at	CSPG5	chondroitin sulfa	0.25	-1.99	0.00	0.00
207030_s_at	CSRP2	cysteine and gly	5.04	2.34	0.00	0.00
210140_at	CST7	cystatin F (leuko	4.69	2.23	0.00	0.00
201201_at	CSTB	cystatin B (stefin	6.34	2.67	0.00	0.00

204459_at	CSTF2	cleavage stimula	3.00	1.59	0.00	0.00
215930_s_at	CTAGE5	CTAGE family, n	0.23	-2.15	0.00	0.00
218923_at	CTBS	chitobiase, di-N-	0.25	-1.99	0.00	0.00
208735_s_at	CTDSP2	CTD (carboxy-te	3.03	1.60	0.00	0.00
201533_at	CTNNB1	catenin (cadheri	0.25	-2.00	0.00	0.00
204925_at	CTNS	cystinosis, neph	3.42	1.78	0.00	0.00
213274_s_at	CTSB	cathepsin B	5.48	2.46	0.00	0.00
200839_s_at	CTSB	cathepsin B	4.48	2.17	0.00	0.00
200838_at	CTSB	cathepsin B	3.51	1.81	0.00	0.00
201487_at	CTSC	cathepsin C	5.90	2.56	0.00	0.00
202087_s_at	CTSL1	cathepsin L1	4.72	2.24	0.00	0.00
202901_x_at	CTSS	cathepsin S	0.19	-2.39	0.00	0.00
212562_s_at	CTSZ	cathepsin Z	4.05	2.02	0.00	0.00
214073_at	CTTN	cortactin	3.52	1.82	0.00	0.00
214782_at	CTTN	cortactin	0.17	-2.58	0.00	0.00
202157_s_at	CUGBP2	CUG triplet repe	0.30	-1.75	0.00	0.00
202158_s_at	CUGBP2	CUG triplet repe	0.25	-2.03	0.00	0.00
203078_at	CUL2	cullin 2	0.19	-2.40	0.00	0.00
203533_s_at	CUL5	cullin 5	0.19	-2.36	0.00	0.00
218787_x_at	CWF19L1	CWF19-like 1, α	3.96	1.99	0.00	0.00
204470_at	CXCL1	chemokine (C-X-	6.26	2.65	0.00	0.00
204533_at	CXCL10	chemokine (C-X-	9.44	3.24	0.02	0.02
203915_at	CXCL9	chemokine (C-X-	13.85	3.79	0.01	0.01
217028_at	CXCR4	chemokine (C-X-	6.16	2.62	0.00	0.00
220252_x_at	CXorf21	chromosome X c	0.28	-1.81	0.00	0.00
219355_at	CXorf57	chromosome X c	0.30	-1.72	0.00	0.00
202263_at	CYB5R1	cytochrome b5 r	3.15	1.65	0.00	0.00
203028_s_at	CYBA	cytochrome b-24	8.95	3.16	0.00	0.00
212133_at	CYFIP1	cytoplasmic FMF	3.17	1.67	0.00	0.00
213295_at	CYLD	cyliindromatosis i	0.33	-1.60	0.00	0.00
221905_at	CYLD	cyliindromatosis i	0.31	-1.72	0.00	0.00
39582_at	CYLD	cyliindromatosis i	0.29	-1.80	0.00	0.00
214131_at	CYorf15B	chromosome Y c	0.11	-3.18	0.01	0.02
202435_s_at	CYP1B1	cytochrome P45	0.21	-2.23	0.00	0.00
202436_s_at	CYP1B1	cytochrome P45	0.19	-2.43	0.00	0.00
219825_at	CYP26B1	cytochrome P45	0.28	-1.86	0.00	0.00
205676_at	CYP27B1	cytochrome P45	6.17	2.63	0.00	0.00
208327_at	CYP2A13	cytochrome P45	3.62	1.86	0.00	0.00
205073_at	CYP2J2	cytochrome P45	0.29	-1.77	0.00	0.00
207786_at	CYP2R1	cytochrome P45	0.27	-1.89	0.00	0.00
220432_s_at	CYP39A1	cytochrome P45	0.10	-3.32	0.00	0.00
205765_at	CYP3A5	cytochrome P45	0.06	-4.14	0.00	0.00
210096_at	CYP4B1	cytochrome P45	0.05	-4.38	0.00	0.00
206539_s_at	CYP4F12	cytochrome P45	0.20	-2.31	0.00	0.00
206515_at	CYP4F3	cytochrome P45	0.23	-2.15	0.00	0.00
202879_s_at	CYTH1	cytohesin 1	3.69	1.88	0.00	0.00
216060_s_at	DAAM1	dishevelled asso	0.22	-2.17	0.00	0.00
218808_at	DALRD3	DALR anticodon	0.33	-1.60	0.00	0.00

202806_at	DBN1	drebrin 1	7.54	2.92	0.00	0.00
219001_s_at	DCAF10	DDB1 and CUL4	0.30	-1.76	0.00	0.00
221849_s_at	DCAF15	DDB1 and CUL4	0.32	-1.64	0.00	0.00
219717_at	DCAF16	DDB1 and CUL4	0.28	-1.86	0.00	0.00
205338_s_at	DCT	dopachrome tau	0.08	-3.58	0.00	0.00
205337_at	DCT	dopachrome tau	0.03	-5.24	0.00	0.00
209231_s_at	DCTN5	dynactin 5 (p25)	4.91	2.29	0.00	0.00
209094_at	DDAH1	dimethylarginine	0.12	-3.05	0.00	0.00
202887_s_at	DDIT4	DNA-damage-in	6.71	2.75	0.00	0.00
213998_s_at	DDX17	DEAD (Asp-Glu-	0.33	-1.60	0.00	0.00
212515_s_at	DDX3X	DEAD (Asp-Glu-	0.22	-2.20	0.00	0.00
204909_at	DDX6	DEAD (Asp-Glu-	0.27	-1.89	0.00	0.00
207356_at	DEFB4	defensin, beta 4	123.71	6.95	0.00	0.00
219763_at	DENND1A	DENN/MADD dc	10.89	3.45	0.00	0.00
205684_s_at	DENND4C	DENN/MADD dc	0.21	-2.22	0.00	0.00
218858_at	DEPDC6	DEP domain cor	0.21	-2.23	0.00	0.00
203695_s_at	DFNA5	deafness, autosc	14.06	3.81	0.00	0.00
221887_s_at	DFNB31	deafness, autosc	3.31	1.73	0.00	0.00
217285_at	DGCR14	DiGeorge syndrc	3.63	1.86	0.00	0.00
201790_s_at	DHCR7	7-dehydrocholes	3.79	1.92	0.00	0.00
201791_s_at	DHCR7	7-dehydrocholes	3.49	1.80	0.00	0.00
219799_s_at	DHRS9	dehydrogenase/i	3.65	1.87	0.00	0.00
201386_s_at	DHX15	DEAH (Asp-Glu-	0.32	-1.63	0.00	0.00
219350_s_at	DIABLO	diablo homolog (	3.28	1.71	0.00	0.00
205603_s_at	DIAPH2	diaphanous hom	0.21	-2.27	0.00	0.00
213229_at	DICER1	dicer 1, ribonuck	0.32	-1.63	0.00	0.00
220572_at	DKFZp547G183	hypothetical LOC	0.14	-2.83	0.00	0.00
206253_at	DLG2	discs, large hom	0.33	-1.61	0.00	0.00
202571_s_at	DLGAP4	discs, large (Dro	4.40	2.14	0.00	0.00
207147_at	DLX2	distal-less home	4.93	2.30	0.00	0.00
203881_s_at	DMD	dystrophin	0.25	-2.02	0.00	0.00
203791_at	DMXL1	Dmx-like 1	0.19	-2.40	0.00	0.00
214229_at	DNAH17	dynein, axonem:	7.64	2.93	0.00	0.00
215266_at	DNAH3	dynein, axonem:	3.54	1.82	0.00	0.00
220395_at	DNAJA4	DnaJ (Hsp40) hc	4.54	2.18	0.00	0.00
203810_at	DNAJB4	DnaJ (Hsp40) hc	0.23	-2.09	0.00	0.00
212817_at	DNAJB5	DnaJ (Hsp40) hc	3.21	1.68	0.00	0.00
218435_at	DNAJC15	DnaJ (Hsp40) hc	3.21	1.68	0.00	0.00
212911_at	DNAJC16	DnaJ (Hsp40) hc	0.21	-2.29	0.00	0.00
219861_at	DNAJC17	DnaJ (Hsp40) hc	0.28	-1.85	0.00	0.00
204008_at	DNAL4	dynein, axonem:	4.00	2.00	0.00	0.00
205554_s_at	DNASE1L3	deoxyribonuclea	0.24	-2.09	0.00	0.00
203187_at	DOCK1	dedicator of cyto	0.16	-2.67	0.00	0.00
213482_at	DOCK3	dedicator of cyto	0.24	-2.05	0.00	0.00
221677_s_at	DONSON	downstream neiç	0.25	-1.99	0.00	0.00
40612_at	DOPEY1	dopey family me	0.20	-2.35	0.00	0.00
213267_at	DOPEY1	dopey family me	0.11	-3.15	0.00	0.00
214301_s_at	DPYSL4	dihydropyrimidin	3.42	1.78	0.00	0.00

206590_x_at	DRD2	dopamine recept	3.33	1.74	0.00	0.00
207648_at	DRP2	dystrophin relate	4.79	2.26	0.00	0.00
204751_x_at	DSC2	desmocollin 2	69.34	6.12	0.00	0.00
204750_s_at	DSC2	desmocollin 2	17.80	4.15	0.00	0.00
205595_at	DSG3	desmoglein 3 (pr	26.79	4.74	0.00	0.00
221681_s_at	DSPP	dentin sialophos	0.24	-2.06	0.00	0.00
214663_at	DSTYK	dual serine/threc	0.31	-1.71	0.00	0.00
218585_s_at	DTL	denticleless hom	0.27	-1.90	0.00	0.00
214253_s_at	DTNB	dystrobrevin, bet	6.06	2.60	0.00	0.00
203270_at	DTYMK	deoxythymidylat	3.08	1.62	0.00	0.00
205762_s_at	DUS4L	dihydrouridine sy	0.26	-1.94	0.00	0.00
208892_s_at	DUSP6	dual specificity p	4.36	2.12	0.00	0.00
220774_at	DYM	dymeclin	0.14	-2.79	0.00	0.00
205348_s_at	DYNC111	dynein, cytoplas	0.25	-2.00	0.00	0.00
203762_s_at	DYNC2L1	dynein, cytoplas	0.29	-1.78	0.00	0.00
201999_s_at	DYNLT1	dynein, light cha	3.11	1.64	0.00	0.00
202971_s_at	DYRK2	dual-specificity ty	0.26	-1.94	0.00	0.00
218660_at	DYSF	dysferlin, limb gii	4.73	2.24	0.00	0.00
204556_s_at	DZIP1	DAZ interacting j	3.93	1.97	0.00	0.00
38707_r_at	E2F4	E2F transcription	16.08	4.01	0.00	0.00
202248_at	E2F4	E2F transcription	3.07	1.62	0.00	0.00
219990_at	E2F8	E2F transcription	0.32	-1.64	0.01	0.01
206101_at	ECM2	extracellular mat	0.31	-1.68	0.00	0.00
211129_x_at	EDA	ectodysplasin A	0.30	-1.76	0.00	0.00
206758_at	EDN2	endothelin 2	4.58	2.19	0.00	0.00
204464_s_at	EDNRA	endothelin recep	3.18	1.67	0.01	0.02
204840_s_at	EEA1	early endosome	0.14	-2.81	0.00	0.00
210656_at	EED	embryonic ectod	0.21	-2.24	0.00	0.00
219833_s_at	EFHC1	EF-hand domain	0.26	-1.95	0.00	0.00
220591_s_at	EFHC2	EF-hand domain	0.12	-3.11	0.00	0.00
206254_at	EGF	epidermal growtl	0.22	-2.16	0.00	0.00
206115_at	EGR3	early growth resj	0.05	-4.48	0.00	0.00
221755_at	EHBP1L1	EH domain bindi	3.87	1.95	0.00	0.00
91703_at	EHBP1L1	EH domain bindi	3.29	1.72	0.00	0.00
221870_at	EHD2	EH-domain cont:	3.05	1.61	0.00	0.00
218935_at	EHD3	EH-domain cont:	6.54	2.71	0.00	0.00
205222_at	EHHADH	enoyl-Coenzyme	0.31	-1.67	0.00	0.00
211698_at	EID1	EP300 interactin	0.32	-1.64	0.00	0.00
219190_s_at	EIF2C4	eukaryotic transl	0.24	-2.07	0.00	0.00
205321_at	EIF2S3	eukaryotic transl	0.20	-2.34	0.00	0.00
215190_at	EIF3M	eukaryotic transl	0.24	-2.05	0.00	0.00
208290_s_at	EIF5	eukaryotic transl	3.31	1.73	0.01	0.01
208708_x_at	EIF5	eukaryotic transl	3.08	1.63	0.00	0.00
201123_s_at	EIF5A	eukaryotic transl	3.22	1.69	0.00	0.00
210361_s_at	ELF2	E74-like factor 2	0.18	-2.52	0.00	0.00
210827_s_at	ELF3	E74-like factor 3	8.67	3.12	0.00	0.00
203490_at	ELF4	E74-like factor 4	6.66	2.74	0.00	0.00
204095_s_at	ELL	elongation factor	4.36	2.13	0.00	0.00

219518_s_at	ELL3	elongation factor	0.31	-1.69	0.01	0.02
219517_at	ELL3	elongation factor	0.25	-2.03	0.00	0.00
219532_at	ELOVL4	elongation of ver	0.11	-3.24	0.00	0.00
204256_at	ELOVL6	ELOVL family m	0.27	-1.92	0.00	0.00
210868_s_at	ELOVL6	ELOVL family m	0.15	-2.78	0.00	0.00
204796_at	EML1	echinoderm micr	0.27	-1.89	0.00	0.00
204797_s_at	EML1	echinoderm micr	0.22	-2.21	0.00	0.00
204397_at	EML2	echinoderm micr	3.29	1.72	0.00	0.00
213895_at	EMP1	epithelial membr	0.26	-1.97	0.00	0.00
204975_at	EMP2	epithelial membr	0.31	-1.71	0.00	0.00
221950_at	EMX2	empty spiracles	0.20	-2.30	0.00	0.00
220559_at	EN1	engrailed homec	0.17	-2.56	0.00	0.00
201341_at	ENC1	ectodermal-neur	5.13	2.36	0.00	0.00
201340_s_at	ENC1	ectodermal-neur	3.46	1.79	0.00	0.00
202221_s_at	EP300	E1A binding prot	0.28	-1.85	0.00	0.00
201719_s_at	EPB41L2	erythrocyte mem	0.28	-1.84	0.00	0.00
201839_s_at	EPCAM	epithelial cell ad	0.24	-2.07	0.00	0.00
209588_at	EPHB2	EPH receptor Bz	6.50	2.70	0.00	0.00
209589_s_at	EPHB2	EPH receptor Bz	4.22	2.08	0.00	0.00
204718_at	EPHB6	EPH receptor Bf	0.13	-2.93	0.00	0.00
209368_at	EPHX2	epoxide hydrolas	0.24	-2.03	0.00	0.00
202909_at	EPM2AIP1	EPM2A (laforin)	0.30	-1.72	0.00	0.00
203464_s_at	EPN2	epsin 2	0.20	-2.34	0.00	0.00
396_f_at	EPOR	erythropoietin re	9.95	3.32	0.00	0.00
217886_at	EPS15	epidermal growtl	0.22	-2.19	0.00	0.00
221056_x_at	EPS15L1	epidermal growtl	4.55	2.19	0.00	0.00
202609_at	EPS8	epidermal growtl	0.09	-3.44	0.00	0.00
218778_x_at	EPS8L1	EPS8-like 1	3.34	1.74	0.00	0.00
214012_at	ERAP1	endoplasmic reti	0.09	-3.53	0.00	0.00
217941_s_at	ERBB2IP	erbb2 interacting	0.27	-1.88	0.00	0.00
205767_at	EREG	epiregulin	0.33	-1.62	0.02	0.04
213541_s_at	ERG	v-ets erythroblas	3.31	1.73	0.00	0.00
215095_at	ESD	esterase D/formy	0.26	-1.94	0.00	0.00
205225_at	ESR1	estrogen receptc	3.44	1.78	0.00	0.00
211234_x_at	ESR1	estrogen receptc	3.11	1.64	0.00	0.00
211627_x_at	ESR1	estrogen receptc	0.22	-2.17	0.00	0.00
204034_at	ETHE1	ethylmalonic enc	15.37	3.94	0.00	0.00
210887_s_at	EVC	Ellis van Creveld	4.35	2.12	0.00	0.00
210012_s_at	EWSR1	Ewing sarcoma l	0.21	-2.27	0.00	0.00
91684_g_at	EXOSC4	exosome compo	3.25	1.70	0.00	0.00
214734_at	EXPH5	exophilin 5	0.14	-2.83	0.00	0.00
213929_at	EXPH5	exophilin 5	0.06	-4.07	0.00	0.00
214985_at	EXT1	exostoses (multi	0.28	-1.85	0.00	0.00
203249_at	EZH1	enhancer of zest	0.31	-1.69	0.00	0.00
211310_at	EZH1	enhancer of zest	0.17	-2.58	0.00	0.00
203989_x_at	F2R	coagulation fact	0.09	-3.45	0.00	0.00
210445_at	FABP6	fatty acid binding	6.52	2.70	0.00	0.00
205029_s_at	FABP7	fatty acid binding	0.11	-3.22	0.00	0.00

205030_at	FABP7	fatty acid binding	0.02	-6.08	0.00	0.00
202218_s_at	FADS2	fatty acid desatu	3.42	1.77	0.00	0.00
221602_s_at	FAIM3	Fas apoptotic int	4.86	2.28	0.00	0.00
204403_x_at	FAM115A	family with sequ	0.31	-1.67	0.00	0.00
212981_s_at	FAM115A	family with sequ	0.25	-2.01	0.00	0.00
221249_s_at	FAM117A	family with sequ	0.15	-2.77	0.00	0.00
222129_at	FAM134A	family with sequ	0.17	-2.53	0.00	0.00
218532_s_at	FAM134B	family with sequ	0.09	-3.48	0.00	0.00
202972_s_at	FAM13A	family with sequ	0.31	-1.67	0.00	0.00
217047_s_at	FAM13A	family with sequ	0.13	-2.94	0.00	0.00
202973_x_at	FAM13A	family with sequ	0.10	-3.37	0.00	0.00
218337_at	FAM160B2	family with sequ	3.11	1.64	0.00	0.00
205308_at	FAM164A	family with sequ	0.14	-2.81	0.00	0.00
36612_at	FAM168A	family with sequ	0.32	-1.65	0.00	0.00
212936_at	FAM172A	family with sequ	0.25	-2.03	0.00	0.00
51158_at	FAM174B	family with sequ	0.18	-2.51	0.00	0.00
203482_at	FAM178A	family with sequ	0.28	-1.85	0.00	0.00
213304_at	FAM179B	family with sequ	0.24	-2.09	0.00	0.00
220150_s_at	FAM184A	family with sequ	0.23	-2.11	0.00	0.00
213900_at	FAM189A2	family with sequ	0.11	-3.19	0.00	0.00
202915_s_at	FAM20B	family with sequ	0.26	-1.96	0.00	0.00
201889_at	FAM3C	family with sequ	0.28	-1.83	0.00	0.00
216682_s_at	FAM48A	family with sequ	0.15	-2.72	0.00	0.00
208092_s_at	FAM49A	family with sequ	3.94	1.98	0.00	0.00
45749_at	FAM65A	family with sequ	4.96	2.31	0.00	0.00
218029_at	FAM65A	family with sequ	4.38	2.13	0.00	0.00
219895_at	FAM70A	family with sequ	0.21	-2.25	0.00	0.00
204511_at	FARP2	FERM, RhoGEF	0.32	-1.67	0.00	0.00
204781_s_at	FAS	Fas (TNF recept	0.30	-1.74	0.00	0.00
215719_x_at	FAS	Fas (TNF recept	0.28	-1.84	0.00	0.00
210975_x_at	FASTK	Fas-activated se	3.23	1.69	0.00	0.00
202766_s_at	FBN1	fibrillin 1	5.89	2.56	0.00	0.00
203184_at	FBN2	fibrillin 2	8.47	3.08	0.00	0.00
220896_at	FBXL18	F-box and leucin	4.18	2.06	0.00	0.00
209630_s_at	FBXW2	F-box and WD re	0.31	-1.71	0.00	0.00
218751_s_at	FBXW7	F-box and WD re	0.23	-2.11	0.00	0.00
215567_at	FCF1	FCF1 small sub	0.20	-2.36	0.00	0.00
211396_at	FCGR2C	Fc fragment of Iç	4.59	2.20	0.00	0.00
209210_s_at	FERMT2	fermitin family hc	3.37	1.75	0.01	0.02
203562_at	FEZ1	fasciculation and	12.19	3.61	0.00	0.00
222164_at	FGFR1	fibroblast growth	0.09	-3.42	0.00	0.00
203638_s_at	FGFR2	fibroblast growth	0.32	-1.67	0.00	0.00
204834_at	FGL2	fibrinogen-like 2	3.73	1.90	0.00	0.00
210299_s_at	FHL1	four and a half L	0.27	-1.91	0.00	0.00
201540_at	FHL1	four and a half L	0.07	-3.84	0.00	0.00
202949_s_at	FHL2	four and a half L	4.24	2.08	0.00	0.00
214119_s_at	FKBP1A	FK506 binding p	7.86	2.97	0.00	0.00
210186_s_at	FKBP1A	FK506 binding p	5.41	2.43	0.00	0.00

205283_at	FKTN	fukutin	0.24	-2.08	0.00	0.00
215645_at	FLCN	folliculin	0.27	-1.87	0.00	0.00
215704_at	FLG	flaggrin	0.04	-4.67	0.00	0.00
212025_s_at	FLII	flightless I homo	3.16	1.66	0.00	0.00
205511_at	FLJ10038	hypothetical prot	0.11	-3.18	0.00	0.00
220828_s_at	FLJ11292	hypothetical prot	0.21	-2.22	0.00	0.00
219871_at	FLJ13197	hypothetical FLJ	0.20	-2.29	0.00	0.00
64900_at	FLJ22167	hypothetical prot	0.20	-2.33	0.00	0.00
208613_s_at	FLNB	filamin B, beta	5.23	2.39	0.00	0.00
210142_x_at	FLOT1	flotillin 1	5.06	2.34	0.00	0.00
208749_x_at	FLOT1	flotillin 1	4.53	2.18	0.00	0.00
201350_at	FLOT2	flotillin 2	4.61	2.21	0.00	0.00
210316_at	FLT4	fms-related tyros	0.27	-1.91	0.00	0.00
205666_at	FMO1	flavin containing	0.28	-1.84	0.00	0.00
215300_s_at	FMO5	flavin containing	0.09	-3.45	0.00	0.00
203689_s_at	FMR1	fragile X mental	0.24	-2.04	0.00	0.00
216442_x_at	FN1	fibronectin 1	7.31	2.87	0.00	0.00
212464_s_at	FN1	fibronectin 1	7.06	2.82	0.00	0.00
210495_x_at	FN1	fibronectin 1	6.90	2.79	0.00	0.00
211719_x_at	FN1	fibronectin 1	5.54	2.47	0.01	0.01
204420_at	FOSL1	FOS-like antigen	7.34	2.88	0.00	0.00
213260_at	FOXC1	forkhead box C1	8.01	3.00	0.00	0.00
206912_at	FOXE1	forkhead box E1	5.20	2.38	0.00	0.00
205021_s_at	FOXN3	forkhead box N3	4.92	2.30	0.00	0.00
205022_s_at	FOXN3	forkhead box N3	0.31	-1.70	0.00	0.00
218031_s_at	FOXN3	forkhead box N3	0.24	-2.06	0.00	0.00
205119_s_at	FPR1	formyl peptide re	6.11	2.61	0.00	0.00
209864_at	FRAT2	frequently rearra	0.27	-1.89	0.00	0.00
208476_s_at	FRMD4A	FERM domain ci	0.17	-2.54	0.00	0.00
214319_at	FRY	furry homolog (D	0.22	-2.18	0.00	0.00
204072_s_at	FRY	furry homolog (D	0.20	-2.35	0.00	0.00
212546_s_at	FRYL	FRY-like	0.28	-1.86	0.00	0.00
201564_s_at	FSCN1	fascin homolog 1	6.46	2.69	0.00	0.00
204948_s_at	FST	follistatin	6.18	2.63	0.00	0.00
208782_at	FSTL1	follistatin-like 1	8.39	3.07	0.00	0.00
203592_s_at	FSTL3	follistatin-like 3 (:	5.03	2.33	0.00	0.00
220604_x_at	FTCD	formiminotransfe	3.28	1.72	0.00	0.00
214211_at	FTH1	ferritin, heavy po	3.28	1.71	0.00	0.00
213187_x_at	FTL	ferritin, light poly	5.78	2.53	0.00	0.00
212788_x_at	FTL	ferritin, light poly	4.24	2.08	0.00	0.00
214093_s_at	FUBP1	far upstream ele	0.16	-2.62	0.00	0.00
212847_at	FUBP1	far upstream ele	0.16	-2.65	0.00	0.00
204299_at	FUSIP1	FUS interacting p	0.29	-1.80	0.00	0.00
210608_s_at	FUT2	fucosyltransfera	8.93	3.16	0.00	0.00
214088_s_at	FUT3	fucosyltransfera	5.55	2.47	0.00	0.00
210399_x_at	FUT6	fucosyltransfera	6.30	2.66	0.00	0.00
211465_x_at	FUT6	fucosyltransfera	5.48	2.45	0.00	0.00
203988_s_at	FUT8	fucosyltransfera	0.23	-2.15	0.00	0.00

201636_at	FXR1	fragile X mental	0.29	-1.78	0.00	0.00
218084_x_at	FXYD5	FXYD domain cc	12.10	3.60	0.00	0.00
221245_s_at	FZD5	frizzled homolog	4.42	2.15	0.00	0.00
222187_x_at	G3BP1	GTPase activatir	0.27	-1.91	0.00	0.00
208869_s_at	GABARAPL1	GABA(A) recepti	0.32	-1.67	0.00	0.00
219815_at	GAL3ST4	galactose-3-O-si	0.22	-2.18	0.00	0.00
204417_at	GALC	galactosylceram	0.29	-1.80	0.00	0.00
202528_at	GALE	UDP-galactose-4	4.37	2.13	0.00	0.00
212256_at	GALNT10	UDP-N-acetyl-al	3.29	1.72	0.00	0.00
218885_s_at	GALNT12	UDP-N-acetyl-al	0.30	-1.73	0.00	0.00
219271_at	GALNT14	UDP-N-acetyl-al	19.00	4.25	0.00	0.00
217787_s_at	GALNT2	UDP-N-acetyl-al	3.43	1.78	0.00	0.00
219956_at	GALNT6	UDP-N-acetyl-al	12.22	3.61	0.00	0.00
33579_i_at	GALR3	galanin receptor	5.51	2.46	0.00	0.00
220124_at	GAN	gigaxonin	0.13	-2.99	0.00	0.00
214626_s_at	GANAB	glucosidase, alpl	3.24	1.70	0.00	0.00
214855_s_at	GARNL1	GTPase activatir	0.28	-1.82	0.00	0.00
202192_s_at	GAS7	growth arrest-sp	0.21	-2.26	0.00	0.00
202191_s_at	GAS7	growth arrest-sp	0.16	-2.65	0.00	0.00
209603_at	GATA3	GATA binding pr	0.11	-3.14	0.00	0.00
209604_s_at	GATA3	GATA binding pr	0.11	-3.19	0.00	0.00
209602_s_at	GATA3	GATA binding pr	0.11	-3.22	0.00	0.00
216733_s_at	GATM	glycine amidinoti	0.17	-2.52	0.00	0.00
203178_at	GATM	glycine amidinoti	0.05	-4.26	0.00	0.00
203765_at	GCA	grancalcin, EF-h	0.22	-2.19	0.00	0.00
203925_at	GCLM	glutamate-cystei	4.88	2.29	0.00	0.00
221136_at	GDF2	growth differentia	3.05	1.61	0.00	0.00
219539_at	GEMIN6	gem (nuclear orç	4.41	2.14	0.00	0.00
221028_s_at	GFOD2	glucose-fructose	3.45	1.79	0.00	0.00
202721_s_at	GFPT1	glutamine-fructo:	3.66	1.87	0.00	0.00
209919_x_at	GGT1	gamma-glutamyl	3.22	1.69	0.00	0.00
64064_at	GIMAP5	GTPase, IMAP f.	3.23	1.69	0.00	0.00
219970_at	GIPC2	GIPC PDZ doma	0.06	-3.98	0.00	0.00
206540_at	GLB1L	galactosidase, b	3.24	1.69	0.00	0.00
205531_s_at	GLS2	glutaminase 2 (li	0.21	-2.27	0.00	0.00
200648_s_at	GLUL	glutamate-ammc	3.15	1.66	0.00	0.00
218506_x_at	GLYR1	glyoxylate reduc	0.28	-1.84	0.00	0.00
201040_at	GNAI2	guanine nucleoti	3.37	1.75	0.00	0.00
206355_at	GNAL	guanine nucleoti	0.29	-1.81	0.00	0.00
214071_at	GNAL	guanine nucleoti	0.21	-2.25	0.00	0.00
207987_s_at	GNRH1	gonadotropin-rel	0.23	-2.13	0.00	0.00
208519_x_at	GNRH2	gonadotropin-rel	3.95	1.98	0.00	0.00
201567_s_at	GOLGA4	golgi autoantiger	0.25	-1.99	0.00	0.00
215203_at	GOLGA4	golgi autoantiger	0.08	-3.71	0.00	0.00
208798_x_at	GOLGA8A	golgi autoantiger	0.28	-1.83	0.00	0.00
208797_s_at	GOLGA8A	golgi autoantiger	0.19	-2.38	0.00	0.00
213737_x_at	GOLGA9P	golgi autoantiger	0.26	-1.94	0.00	0.00
204322_at	GOLIM4	golgi integral me	3.97	1.99	0.00	0.00

218692_at	GOLSYN	Golgi-localized p	0.11	-3.23	0.00	0.00
219846_at	GON4L	gon-4-like (C. elk	0.30	-1.75	0.00	0.00
213180_s_at	GOSR2	golgi SNAP rece	5.18	2.37	0.00	0.00
213144_at	GOSR2	golgi SNAP rece	3.84	1.94	0.00	0.00
200708_at	GOT2	glutamic-oxaloac	3.09	1.63	0.00	0.00
209769_s_at	GP1BB	glycoprotein Ib (I	4.22	2.08	0.00	0.00
206883_x_at	GP9	glycoprotein IX (I	3.28	1.72	0.00	0.00
212510_at	GPD1L	glycerol-3-phosp	0.33	-1.60	0.00	0.00
210007_s_at	GPD2	glycerol-3-phosp	0.26	-1.96	0.00	0.00
215554_at	GPLD1	glycosylphospha	0.03	-4.98	0.00	0.00
209169_at	GPM6B	glycoprotein M6f	0.21	-2.26	0.00	0.00
213094_at	GPR126	G protein-couple	0.23	-2.15	0.00	0.00
220901_at	GPR157	G protein-couple	0.23	-2.15	0.00	0.00
221958_s_at	GPR177	G protein-couple	0.23	-2.09	0.00	0.00
209631_s_at	GPR37	G protein-couple	0.31	-1.71	0.00	0.00
204793_at	GPRASP1	G protein-couple	0.19	-2.39	0.00	0.00
203108_at	GPRC5A	G protein-couple	14.91	3.90	0.00	0.00
200736_s_at	GPX1	glutathione pero:	3.84	1.94	0.00	0.00
202831_at	GPX2	glutathione pero:	11.52	3.53	0.00	0.00
201348_at	GPX3	glutathione pero:	13.28	3.73	0.00	0.00
214091_s_at	GPX3	glutathione pero:	7.98	3.00	0.00	0.00
213170_at	GPX7	glutathione pero:	3.85	1.95	0.00	0.00
219313_at	GRAMD1C	GRAM domain c	0.10	-3.30	0.00	0.00
218706_s_at	GRAMD3	GRAM domain c	0.17	-2.55	0.00	0.00
216481_at	GRIP2	glutamate recept	5.10	2.35	0.00	0.00
218154_at	GSDMD	gasdermin D	3.38	1.76	0.00	0.00
222102_at	GSTA3	glutathione S-tra	0.11	-3.20	0.00	0.00
200824_at	GSTP1	glutathione S-tra	3.32	1.73	0.00	0.00
209595_at	GTF2F2	general transcrip	0.28	-1.82	0.00	0.00
205276_s_at	GTPBP1	GTP binding pro	5.04	2.33	0.00	0.00
221942_s_at	GUCY1A3	guanylate cyclas	4.04	2.02	0.00	0.00
204237_at	GULP1	GULP, engulfme	0.14	-2.84	0.00	0.00
204235_s_at	GULP1	GULP, engulfme	0.09	-3.52	0.00	0.00
201554_x_at	GYG1	glycogenin 1	3.94	1.98	0.00	0.00
205488_at	GZMA	granzyme A (gra	4.03	2.01	0.00	0.00
210164_at	GZMB	granzyme B (gra	4.60	2.20	0.00	0.00
208579_x_at	H2BFS	H2B histone fam	5.03	2.33	0.00	0.00
211998_at	H3F3B	H3 histone, fami	0.29	-1.77	0.00	0.00
221892_at	H6PD	hexose-6-phospl	0.16	-2.61	0.00	0.00
213054_at	HAUS5	HAUS augmin-lil	0.25	-2.01	0.00	0.00
218602_s_at	HAUS6	HAUS augmin-lil	0.19	-2.44	0.00	0.00
217232_x_at	HBB	hemoglobin, bet:	6.01	2.59	0.00	0.00
209116_x_at	HBB	hemoglobin, bet:	4.20	2.07	0.03	0.04
38037_at	HBEGF	heparin-binding I	10.71	3.42	0.00	0.00
203821_at	HBEGF	heparin-binding I	5.46	2.45	0.00	0.00
209314_s_at	HBS1L	HBS1-like (S. ce	0.18	-2.51	0.00	0.00
209315_at	HBS1L	HBS1-like (S. ce	0.12	-3.09	0.00	0.00
203746_s_at	HCCS	holocytochrome	4.12	2.04	0.00	0.00

214893_x_at	HCN2	hyperpolarizati	3.09	1.63	0.00	0.00
216224_s_at	HDAC6	histone deacetyl	3.78	1.92	0.00	0.00
207067_s_at	HDC	histidine decarbc	3.14	1.65	0.00	0.00
213069_at	HEG1	HEG homolog 1	3.85	1.94	0.00	0.00
220085_at	HELLS	helicase, lymphc	0.23	-2.11	0.00	0.00
218306_s_at	HERC1	hect (homologou	0.33	-1.59	0.00	0.00
219352_at	HERC6	hect domain and	9.74	3.28	0.00	0.00
214308_s_at	HGD	homogentisate 1	3.46	1.79	0.00	0.00
221162_at	HHLA1	HERV-H LTR-as	3.31	1.73	0.00	0.00
216911_s_at	HIC2	hypermethylated	3.30	1.72	0.00	0.00
212293_at	HIPK1	homeodomain in	0.15	-2.77	0.00	0.00
214542_x_at	HIST1H2AI	histone cluster 1	7.37	2.88	0.00	0.00
208583_x_at	HIST1H2AJ	histone cluster 1	10.93	3.45	0.00	0.00
214455_at	HIST1H2BC	histone cluster 1	4.14	2.05	0.00	0.00
208527_x_at	HIST1H2BE	histone cluster 1	3.10	1.63	0.00	0.00
208490_x_at	HIST1H2BF	histone cluster 1	4.95	2.31	0.00	0.00
209806_at	HIST1H2BK	histone cluster 1	4.34	2.12	0.00	0.00
204512_at	HIVEP1	human immunoc	0.24	-2.04	0.00	0.00
220042_x_at	HIVEP3	human immunoc	4.48	2.16	0.00	0.00
222305_at	HK2	hexokinase 2	3.27	1.71	0.00	0.00
205671_s_at	HLA-DOB	major histocomp	3.10	1.63	0.00	0.00
213537_at	HLA-DPA1	major histocomp	3.70	1.89	0.00	0.00
204755_x_at	HLF	hepatic leukemia	0.17	-2.54	0.00	0.00
204754_at	HLF	hepatic leukemia	0.12	-3.01	0.00	0.00
204753_s_at	HLF	hepatic leukemia	0.09	-3.43	0.00	0.00
216548_x_at	HMGB3L1	high-mobility gro	3.25	1.70	0.00	0.00
207353_s_at	HMX1	H6 family homec	3.94	1.98	0.00	0.00
217755_at	HN1	hematological ar	5.31	2.41	0.00	0.00
222040_at	HNRNPA1	heterogeneous r	0.32	-1.65	0.01	0.01
221919_at	HNRNPA1	heterogeneous r	0.07	-3.79	0.00	0.00
211930_at	HNRNPA3	heterogeneous r	0.28	-1.82	0.00	0.00
221480_at	HNRNPD	heterogeneous r	0.33	-1.61	0.00	0.00
213359_at	HNRNPD	heterogeneous r	0.25	-2.03	0.00	0.00
213472_at	HNRNPH1	heterogeneous r	0.21	-2.27	0.00	0.00
202072_at	HNRNPL	heterogeneous r	4.27	2.09	0.00	0.00
221860_at	HNRNPL	heterogeneous r	0.30	-1.72	0.00	0.00
66053_at	HNRNPUL2	heterogeneous r	0.26	-1.94	0.00	0.00
212454_x_at	HNRPDL	heterogeneous r	0.22	-2.16	0.00	0.00
222222_s_at	HOMER3	homer homolog	5.57	2.48	0.00	0.00
204647_at	HOMER3	homer homolog	3.25	1.70	0.00	0.00
213150_at	HOXA10	homeobox A10	0.31	-1.69	0.00	0.00
209905_at	HOXA9	homeobox A9	0.13	-2.91	0.00	0.00
214651_s_at	HOXA9	homeobox A9	0.10	-3.33	0.00	0.00
208224_at	HOXB1	homeobox B1	4.46	2.16	0.00	0.00
204779_s_at	HOXB7	homeobox B7	7.90	2.98	0.00	0.00
216973_s_at	HOXB7	homeobox B7	3.51	1.81	0.00	0.00
204778_x_at	HOXB7	homeobox B7	3.28	1.72	0.00	0.00
219832_s_at	HOXC13	homeobox C13	3.47	1.79	0.00	0.00

206858_s_at	HOXC6	homeobox C6	0.17	-2.57	0.00	0.00
221350_at	HOXC8	homeobox C8	0.16	-2.64	0.00	0.00
214604_at	HOXD11	homeobox D11	7.88	2.98	0.00	0.00
205522_at	HOXD4	homeobox D4	6.49	2.70	0.00	0.00
220633_s_at	HP1BP3	heterochromatin	3.75	1.91	0.00	0.00
211549_s_at	HPGD	hydroxyprostagl	0.28	-1.83	0.00	0.00
203913_s_at	HPGD	hydroxyprostagl	0.18	-2.46	0.00	0.00
203914_x_at	HPGD	hydroxyprostagl	0.14	-2.80	0.00	0.00
211548_s_at	HPGD	hydroxyprostagl	0.08	-3.66	0.00	0.00
206726_at	HPGDS	hematopoietic pr	0.15	-2.72	0.00	0.00
54037_at	HPS4	Hermansky-Pudl	0.22	-2.20	0.00	0.00
219984_s_at	HRASLS	HRAS-like suppr	0.12	-3.09	0.00	0.00
219983_at	HRASLS	HRAS-like suppr	0.04	-4.71	0.00	0.00
221663_x_at	HRH3	histamine recept	4.60	2.20	0.00	0.00
205466_s_at	HS3ST1	heparan sulfate	3.92	1.97	0.00	0.00
205404_at	HSD11B1	hydroxysteroid (	0.26	-1.95	0.00	0.00
219113_x_at	HSD17B14	hydroxysteroid (	5.20	2.38	0.00	0.00
204818_at	HSD17B2	hydroxysteroid (	3.86	1.95	0.00	0.00
205700_at	HSD17B6	hydroxysteroid (	3.56	1.83	0.00	0.00
209512_at	HSDL2	hydroxysteroid d	0.33	-1.61	0.01	0.01
209657_s_at	HSF2	heat shock trans	0.15	-2.74	0.00	0.00
210338_s_at	HSPA8	heat shock 70kD	4.13	2.05	0.01	0.01
208687_x_at	HSPA8	heat shock 70kD	3.56	1.83	0.00	0.00
214163_at	HSPB11	heat shock prote	0.31	-1.69	0.00	0.00
219998_at	HSPC159	galectin-related	0.28	-1.83	0.00	0.00
201655_s_at	HSPG2	heparan sulfate	3.27	1.71	0.00	0.00
208744_x_at	HSPH1	heat shock 105k	3.58	1.84	0.00	0.00
206976_s_at	HSPH1	heat shock 105k	3.49	1.80	0.00	0.00
207578_s_at	HTR4	5-hydroxytryptan	3.64	1.86	0.00	0.00
204883_s_at	HUS1	HUS1 checkpoin	3.33	1.74	0.00	0.00
215513_at	HYMA1	hydatidiform mol	0.06	-4.03	0.00	0.00
202637_s_at	ICAM1	intercellular adhe	4.63	2.21	0.00	0.00
204569_at	ICK	intestinal cell (M	0.12	-3.08	0.00	0.00
201609_x_at	ICMT	isoprenylcysteine	3.20	1.68	0.00	0.00
208937_s_at	ID1	inhibitor of DNA	8.60	3.10	0.00	0.00
209293_x_at	ID4	inhibitor of DNA	0.10	-3.32	0.00	0.00
209291_at	ID4	inhibitor of DNA	0.04	-4.82	0.00	0.00
209292_at	ID4	inhibitor of DNA	0.03	-5.35	0.00	0.00
210029_at	IDO1	indoleamine 2,3-	7.24	2.86	0.00	0.00
202438_x_at	IDS	iduronate 2-sulfa	0.26	-1.94	0.00	0.00
209721_s_at	IFFO1	intermediate filar	3.09	1.63	0.00	0.00
202411_at	IFI27	interferon, alpha	21.64	4.44	0.00	0.00
201422_at	IFI30	interferon, gamm	3.06	1.62	0.00	0.00
209417_s_at	IFI35	interferon-induce	3.95	1.98	0.00	0.00
214453_s_at	IFI44	interferon-induce	9.37	3.23	0.00	0.00
204439_at	IFI44L	interferon-induce	6.62	2.73	0.00	0.00
204415_at	IFI6	interferon, alpha	10.31	3.37	0.00	0.00
203153_at	IFIT1	interferon-induce	7.44	2.90	0.00	0.00

204747_at	IFIT3	interferon-induce	4.01	2.00	0.00	0.00
214022_s_at	IFITM1	interferon induce	12.07	3.59	0.00	0.00
201601_x_at	IFITM1	interferon induce	11.06	3.47	0.00	0.00
201315_x_at	IFITM2	interferon induce	8.01	3.00	0.00	0.00
212203_x_at	IFITM3	interferon induce	8.52	3.09	0.00	0.00
201642_at	IFNGR2	interferon gamm	3.38	1.76	0.00	0.00
219174_at	IFT74	intraflagellar tran	0.20	-2.33	0.00	0.00
61732_r_at	IFT74	intraflagellar tran	0.19	-2.41	0.00	0.00
202718_at	IGFBP2	insulin-like growt	5.64	2.50	0.00	0.00
203424_s_at	IGFBP5	insulin-like growt	0.23	-2.10	0.00	0.00
211959_at	IGFBP5	insulin-like growt	0.19	-2.36	0.01	0.02
203851_at	IGFBP6	insulin-like growt	18.12	4.18	0.00	0.00
201163_s_at	IGFBP7	insulin-like growt	5.07	2.34	0.00	0.00
201162_at	IGFBP7	insulin-like growt	3.25	1.70	0.01	0.01
31861_at	IGHMBP2	immunoglobulin	9.62	3.27	0.00	0.00
217148_x_at	IGL@	immunoglobulin	3.36	1.75	0.00	0.00
215255_at	IGSF9B	immunoglobulin	0.29	-1.78	0.00	0.00
202490_at	IKBKAP	inhibitor of kapp	0.30	-1.75	0.00	0.00
36004_at	IKBKG	inhibitor of kapp	7.78	2.96	0.00	0.00
209929_s_at	IKBKG	inhibitor of kapp	4.53	2.18	0.00	0.00
201888_s_at	IL13RA1	interleukin 13 rec	6.32	2.66	0.00	0.00
211612_s_at	IL13RA1	interleukin 13 rec	5.01	2.33	0.00	0.00
201887_at	IL13RA1	interleukin 13 rec	3.10	1.63	0.00	0.00
64440_at	IL17RC	interleukin 17 rec	7.45	2.90	0.00	0.00
206295_at	IL18	interleukin 18 (in	0.27	-1.90	0.00	0.00
219323_s_at	IL18BP	interleukin 18 bir	3.71	1.89	0.00	0.00
205067_at	IL1B	interleukin 1, bet	8.77	3.13	0.00	0.00
39402_at	IL1B	interleukin 1, bet	8.47	3.08	0.00	0.00
221470_s_at	IL1F7	interleukin 1 fam	0.08	-3.72	0.00	0.00
220322_at	IL1F9	interleukin 1 fam	4.62	2.21	0.00	0.00
202948_at	IL1R1	interleukin 1 rec	0.26	-1.97	0.00	0.00
205403_at	IL1R2	interleukin 1 rec	0.28	-1.86	0.00	0.00
211372_s_at	IL1R2	interleukin 1 rec	0.27	-1.92	0.00	0.00
207526_s_at	IL1RL1	interleukin 1 rec	3.33	1.74	0.00	0.00
212659_s_at	IL1RN	interleukin 1 rec	5.81	2.54	0.00	0.00
219115_s_at	IL20RA	interleukin 20 rec	0.17	-2.56	0.00	0.00
206569_at	IL24	interleukin 24	6.74	2.75	0.00	0.00
203233_at	IL4R	interleukin 4 rec	5.92	2.57	0.00	0.00
206693_at	IL7	interleukin 7	0.05	-4.35	0.00	0.00
205798_at	IL7R	interleukin 7 rec	9.45	3.24	0.00	0.00
202859_x_at	IL8	interleukin 8	4.96	2.31	0.01	0.01
207094_at	IL8RA	interleukin 8 rec	4.14	2.05	0.00	0.00
208930_s_at	ILF3	interleukin enhar	0.22	-2.22	0.00	0.00
204465_s_at	INA	intermexin neuroi	3.38	1.76	0.00	0.00
214705_at	INADL	InaD-like (Droso	0.06	-4.03	0.00	0.00
210511_s_at	INHBA	inhibin, beta A	10.89	3.44	0.00	0.00
205258_at	INHBB	inhibin, beta B	6.38	2.67	0.00	0.00
202781_s_at	INPP5K	inositol polyphos	3.01	1.59	0.00	0.00

218783_at	INTS7	integrator compl	0.26	-1.93	0.00	0.00
221185_s_at	IQCG	IQ motif containi	9.26	3.21	0.00	0.00
203907_s_at	IQSEC1	IQ motif and Sec	4.22	2.08	0.00	0.00
202531_at	IRF1	interferon regula	4.25	2.09	0.00	0.00
209184_s_at	IRS2	insulin receptor ε	0.26	-1.94	0.00	0.00
209185_s_at	IRS2	insulin receptor ε	0.25	-2.00	0.00	0.00
210239_at	IRX5	iroquois homeob	0.22	-2.22	0.00	0.00
205483_s_at	ISG15	ISG15 ubiquitin-l	7.16	2.84	0.00	0.00
33304_at	ISG20	interferon stimul	4.59	2.20	0.00	0.00
204698_at	ISG20	interferon stimul	4.16	2.06	0.00	0.00
207191_s_at	ISLR	immunoglobulin	3.01	1.59	0.00	0.00
218170_at	ISOC1	isochorismatase	0.16	-2.69	0.00	0.00
218893_at	ISOC2	isochorismatase	5.24	2.39	0.00	0.00
205032_at	ITGA2	integrin, alpha 2	4.84	2.27	0.00	0.00
201474_s_at	ITGA3	integrin, alpha 3	5.99	2.58	0.00	0.00
201389_at	ITGA5	integrin, alpha 5	3.73	1.90	0.00	0.00
215177_s_at	ITGA6	integrin, alpha 6	6.48	2.70	0.00	0.00
202747_s_at	ITM2A	integral membra	0.21	-2.22	0.00	0.00
202746_at	ITM2A	integral membra	0.11	-3.19	0.00	0.00
211360_s_at	ITPR2	inositol 1,4,5-trip	0.30	-1.73	0.00	0.00
202661_at	ITPR2	inositol 1,4,5-trip	0.23	-2.15	0.00	0.00
202660_at	ITPR2	inositol 1,4,5-trip	0.15	-2.78	0.00	0.00
202662_s_at	ITPR2	inositol 1,4,5-trip	0.13	-2.92	0.00	0.00
209298_s_at	ITSN1	intersectin 1 (SH	0.25	-2.02	0.00	0.00
216495_x_at	IVD	isovaleryl Coenz	5.30	2.41	0.00	0.00
214599_at	IVL	involucrin	6.13	2.62	0.01	0.01
205841_at	JAK2	Janus kinase 2	0.19	-2.37	0.00	0.00
201466_s_at	JUN	jun oncogene	7.88	2.98	0.00	0.00
201464_x_at	JUN	jun oncogene	4.44	2.15	0.00	0.00
201465_s_at	JUN	jun oncogene	3.56	1.83	0.00	0.00
203845_at	KAT2B	K(lysine) acetyltr	0.31	-1.68	0.00	0.00
219106_s_at	KBTBD10	kelch repeat and	0.24	-2.08	0.00	0.00
210078_s_at	KCNAB1	potassium voltaç	0.17	-2.57	0.00	0.00
210119_at	KCNJ15	potassium inwar	8.35	3.06	0.00	0.00
206765_at	KCNJ2	potassium inwar	0.15	-2.72	0.00	0.00
220727_at	KCNK10	potassium chanr	3.13	1.65	0.00	0.00
220412_x_at	KCNK7	potassium chanr	0.33	-1.60	0.00	0.00
221584_s_at	KCNMA1	potassium large	9.41	3.24	0.00	0.00
206231_at	KCNN1	potassium intern	5.58	2.48	0.00	0.00
211217_s_at	KCNQ1	potassium voltaç	3.49	1.81	0.00	0.00
207366_at	KCNS1	potassium voltaç	3.38	1.76	0.00	0.00
212188_at	KCTD12	potassium chanr	0.32	-1.65	0.00	0.00
45653_at	KCTD13	potassium chanr	0.25	-2.00	0.00	0.00
217894_at	KCTD3	potassium chanr	0.10	-3.29	0.00	0.00
200922_at	KDEL1	KDEL (Lys-Asp-l	3.72	1.89	0.00	0.00
204017_at	KDEL3	KDEL (Lys-Asp-l	4.25	2.09	0.00	0.00
212689_s_at	KDM3A	lysine (K)-specifi	0.33	-1.59	0.00	0.00
209984_at	KDM4C	lysine (K)-specifi	0.18	-2.47	0.00	0.00

202383_at	KDM5C	lysine (K)-specifi	3.40	1.76	0.00	0.00
203991_s_at	KDM6A	lysine (K)-specifi	0.20	-2.33	0.00	0.00
41387_r_at	KDM6B	lysine (K)-specifi	3.08	1.62	0.00	0.00
212523_s_at	KIAA0146	KIAA0146	0.20	-2.35	0.00	0.00
212057_at	KIAA0182	KIAA0182	0.19	-2.40	0.00	0.00
38892_at	KIAA0240	KIAA0240	0.22	-2.18	0.00	0.00
213208_at	KIAA0240	KIAA0240	0.19	-2.39	0.00	0.00
212427_at	KIAA0368	KIAA0368	0.19	-2.43	0.00	0.00
202386_s_at	KIAA0430	KIAA0430	0.28	-1.85	0.00	0.00
203900_at	KIAA0467	KIAA0467	0.24	-2.04	0.00	0.00
214295_at	KIAA0485	hypothetical LOC	0.20	-2.32	0.00	0.00
213340_s_at	KIAA0495	KIAA0495	0.21	-2.24	0.00	0.00
212943_at	KIAA0528	KIAA0528	0.16	-2.61	0.00	0.00
204075_s_at	KIAA0562	KIAA0562	0.11	-3.17	0.00	0.00
212314_at	KIAA0746	KIAA0746 protei	4.96	2.31	0.00	0.00
215268_at	KIAA0754	KIAA0754	0.09	-3.46	0.00	0.00
212633_at	KIAA0776	KIAA0776	0.22	-2.16	0.00	0.00
213358_at	KIAA0802	KIAA0802	8.24	3.04	0.00	0.00
213424_at	KIAA0895	KIAA0895	0.04	-4.68	0.00	0.00
214098_at	KIAA1107	KIAA1107	0.28	-1.86	0.00	0.00
212942_s_at	KIAA1199	KIAA1199	3.35	1.74	0.00	0.00
220911_s_at	KIAA1305	KIAA1305	0.24	-2.06	0.00	0.00
221901_at	KIAA1644	KIAA1644	6.32	2.66	0.00	0.00
52837_at	KIAA1644	KIAA1644	5.24	2.39	0.00	0.00
204444_at	KIF11	kinesin family m	0.29	-1.81	0.01	0.01
220777_at	KIF13A	kinesin family m	0.31	-1.72	0.01	0.02
202962_at	KIF13B	kinesin family m	0.31	-1.72	0.00	0.00
208128_x_at	KIF25	kinesin family m	4.15	2.05	0.00	0.00
203390_s_at	KIF3C	kinesin family m	3.60	1.85	0.00	0.00
203130_s_at	KIF5C	kinesin family m	0.24	-2.09	0.00	0.00
205051_s_at	KIT	v-kit Hardy-Zuck	0.16	-2.65	0.00	0.00
221302_at	KLF15	Kruppel-like fact	4.22	2.08	0.00	0.00
220266_s_at	KLF4	Kruppel-like fact	0.16	-2.69	0.00	0.00
209212_s_at	KLF5	Kruppel-like fact	0.25	-2.00	0.00	0.00
209211_at	KLF5	Kruppel-like fact	0.17	-2.55	0.00	0.00
204334_at	KLF7	Kruppel-like fact	9.98	3.32	0.00	0.00
219930_at	KLF8	Kruppel-like fact	0.21	-2.27	0.00	0.00
203543_s_at	KLF9	Kruppel-like fact	0.15	-2.73	0.00	0.00
204176_at	KLHL20	kelch-like 20 (Dr	0.21	-2.28	0.00	0.00
221986_s_at	KLHL24	kelch-like 24 (Dr	0.22	-2.21	0.00	0.00
220238_s_at	KLHL7	kelch-like 7 (Dro	0.26	-1.95	0.00	0.00
209792_s_at	KLK10	kallikrein-related	3.81	1.93	0.01	0.01
220782_x_at	KLK12	kallikrein-related	10.13	3.34	0.00	0.00
205783_at	KLK13	kallikrein-related	5.14	2.36	0.00	0.00
204733_at	KLK6	kallikrein-related	108.10	6.76	0.00	0.00
206316_s_at	KNTC1	kinetochore assc	0.29	-1.77	0.00	0.00
204010_s_at	KRAS	v-Ki-ras2 Kirsten	0.11	-3.18	0.00	0.00
216713_at	KRIT1	KRIT1, ankyrin r	0.27	-1.87	0.00	0.00

34031_i_at	KRIT1	KRIT1, ankyrin r	0.22	-2.17	0.00	0.00
203203_s_at	KRR1	KRR1, small sub	0.26	-1.96	0.00	0.00
207023_x_at	KRT10	keratin 10	0.31	-1.70	0.01	0.02
207935_s_at	KRT13	keratin 13	40.47	5.34	0.00	0.00
209800_at	KRT16	keratin 16	79.28	6.31	0.00	0.00
205157_s_at	KRT17	keratin 17	37.76	5.24	0.00	0.00
212236_x_at	KRT17	keratin 17	29.54	4.89	0.00	0.00
201596_x_at	KRT18	keratin 18	7.69	2.94	0.00	0.00
201650_at	KRT19	keratin 19	11.33	3.50	0.00	0.00
207908_at	KRT2	keratin 2	0.02	-5.69	0.00	0.00
218963_s_at	KRT23	keratin 23 (histor	0.29	-1.78	0.02	0.03
206677_at	KRT31	keratin 31	0.20	-2.29	0.00	0.00
206969_at	KRT34	keratin 34	5.42	2.44	0.00	0.00
209125_at	KRT6A	keratin 6A	644.60	9.33	0.00	0.00
213680_at	KRT6B	keratin 6B	725.86	9.50	0.00	0.00
209126_x_at	KRT6B	keratin 6B	138.17	7.11	0.00	0.00
207065_at	KRT75	keratin 75	49.63	5.63	0.00	0.00
208532_x_at	KRTAP5-8	keratin associate	7.75	2.95	0.00	0.00
217388_s_at	KYNU	kynureninase (L-	15.95	4.00	0.00	0.00
204385_at	KYNU	kynureninase (L-	7.36	2.88	0.00	0.00
210663_s_at	KYNU	kynureninase (L-	5.02	2.33	0.00	0.00
220089_at	L2HGDH	L-2-hydroxygluta	0.19	-2.37	0.00	0.00
216076_at	L3MBTL	l(3)mbt-like (Dro:	3.54	1.82	0.00	0.00
210306_at	L3MBTL	l(3)mbt-like (Dro:	0.17	-2.52	0.00	0.00
218701_at	LACTB2	lactamase, beta	0.25	-2.00	0.00	0.00
216641_s_at	LAD1	ladinin 1	4.12	2.04	0.00	0.00
207509_s_at	LAIR2	leukocyte-associ	3.13	1.64	0.00	0.00
203726_s_at	LAMA3	laminin, alpha 3	4.72	2.24	0.00	0.00
210089_s_at	LAMA4	laminin, alpha 4	0.29	-1.80	0.00	0.00
209270_at	LAMB3	laminin, beta 3	16.20	4.02	0.00	0.00
216622_at	LAMB4	laminin, beta 4	0.32	-1.66	0.00	0.00
215516_at	LAMB4	laminin, beta 4	0.02	-5.39	0.00	0.00
200770_s_at	LAMC1	laminin, gamma	5.28	2.40	0.00	0.00
202267_at	LAMC2	laminin, gamma	6.77	2.76	0.00	0.00
202019_s_at	LANCL1	LanC lantibiotic s	4.04	2.01	0.00	0.00
201720_s_at	LAPTM5	lysosomal protei	3.16	1.66	0.00	0.00
218651_s_at	LARP6	La ribonucleoprc	3.15	1.65	0.00	0.00
222212_s_at	LASS2	LAG1 homolog, i	3.75	1.91	0.00	0.00
212442_s_at	LASS6	LAG1 homolog, i	0.23	-2.15	0.00	0.00
212446_s_at	LASS6	LAG1 homolog, i	0.18	-2.44	0.00	0.00
207734_at	LAX1	lymphocyte trans	0.28	-1.84	0.00	0.00
221011_s_at	LBH	limb bud and hei	3.22	1.69	0.01	0.01
207710_at	LCE2B	late cornified env	0.13	-2.96	0.00	0.00
212531_at	LCN2	lipocalin 2	61.65	5.95	0.00	0.00
201030_x_at	LDHB	lactate dehydrog	3.11	1.64	0.01	0.01
202068_s_at	LDLR	low density lipop	3.95	1.98	0.00	0.00
202067_s_at	LDLR	low density lipop	3.39	1.76	0.00	0.00
204454_at	LDLOC1	leucine zipper, d	0.21	-2.24	0.00	0.00

201105_at	LGALS1	lectin, galactosid	7.83	2.97	0.00	0.00
208450_at	LGALS2	lectin, galactosid	3.06	1.61	0.01	0.02
200923_at	LGALS3BP	lectin, galactosid	7.26	2.86	0.00	0.00
219699_at	LGI2	leucine-rich repe	3.25	1.70	0.00	0.00
218326_s_at	LGR4	leucine-rich repe	0.16	-2.69	0.00	0.00
214471_x_at	LHB	luteinizing hormc	3.48	1.80	0.00	0.00
212658_at	LHFPL2	lipoma HMGIC fi	9.80	3.29	0.00	0.00
208333_at	LHX5	LIM homeobox 5	3.15	1.66	0.00	0.00
205266_at	LIF	leukemia inhibitc	0.26	-1.92	0.00	0.00
211336_x_at	LILRB1	leukocyte immur	4.03	2.01	0.00	0.00
207104_x_at	LILRB1	leukocyte immur	3.20	1.68	0.00	0.00
217892_s_at	LIMA1	LIM domain and	4.09	2.03	0.00	0.00
204356_at	LIMK1	LIM domain kina	3.79	1.92	0.00	0.00
204357_s_at	LIMK1	LIM domain kina	3.21	1.68	0.00	0.00
201847_at	LIPA	lipase A, lysosor	6.62	2.73	0.00	0.00
219181_at	LIPG	lipase, endotheli	6.07	2.60	0.00	0.00
206123_at	LLGL1	lethal giant larva	4.21	2.07	0.00	0.00
46142_at	LMF1	lipase maturator	0.26	-1.96	0.00	0.00
31837_at	LMF2	lipase maturator	3.69	1.88	0.00	0.00
212682_s_at	LMF2	lipase maturator	3.02	1.59	0.00	0.00
217548_at	LOC100129502	hypothetical prot	0.31	-1.70	0.00	0.00
214850_at	LOC100170939	glucuronidase, b	0.21	-2.25	0.00	0.00
213089_at	LOC100272216	hypothetical LOC	0.22	-2.18	0.00	0.00
213605_s_at	LOC100272216	hypothetical LOC	0.18	-2.51	0.00	0.00
213703_at	LOC150759	hypothetical prot	0.13	-2.99	0.00	0.00
215978_x_at	LOC152719	hypothetical prot	3.14	1.65	0.00	0.00
220609_at	LOC202181	hypothetical prot	0.06	-4.02	0.00	0.00
213510_x_at	LOC220594	TL132 protein	0.29	-1.77	0.00	0.00
221949_at	LOC222070	hypothetical prot	0.27	-1.87	0.00	0.00
217219_at	LOC26102	hypothetical LOC	3.62	1.86	0.00	0.00
217506_at	LOC339290	hypothetical LOC	0.27	-1.89	0.00	0.00
216387_x_at	LOC399804	similar to nucleo	0.33	-1.61	0.00	0.00
222347_at	LOC644450	hypothetical prot	0.27	-1.92	0.01	0.02
222054_at	LOC728448	peptidylprolyl iso	0.30	-1.76	0.00	0.00
217667_at	LOC729799	SEC14-like 1 psi	0.17	-2.53	0.00	0.00
214712_at	LOC730092	RRN3 RNA poly	0.27	-1.88	0.00	0.00
215202_at	LOC91316	glucuronidase, b	4.29	2.10	0.00	0.00
213502_x_at	LOC91316	glucuronidase, b	0.23	-2.13	0.00	0.00
207720_at	LOR	loricrin	0.07	-3.85	0.01	0.01
215446_s_at	LOX	lysyl oxidase	6.98	2.80	0.00	0.00
202998_s_at	LOXL2	lysyl oxidase-like	5.86	2.55	0.00	0.00
201818_at	LPCAT1	lysophosphatidyl	5.54	2.47	0.00	0.00
215409_at	LPCAT4	lysophosphatidyl	0.14	-2.84	0.00	0.00
216250_s_at	LPXN	leupaxin	3.71	1.89	0.00	0.00
90610_at	LRCH4	leucine-rich repe	3.20	1.68	0.00	0.00
37796_at	LRCH4	leucine-rich repe	3.02	1.60	0.00	0.00
211596_s_at	LRIG1	leucine-rich repe	0.27	-1.90	0.00	0.00
220254_at	LRP12	low density lipop	0.31	-1.68	0.00	0.00

220253_s_at	LRP12	low density lipop	0.22	-2.18	0.00	0.00
212850_s_at	LRP4	low density lipop	0.09	-3.52	0.00	0.00
34697_at	LRP6	low density lipop	0.21	-2.25	0.00	0.00
221740_x_at	LRRC37A2	leucine rich repe	0.29	-1.80	0.00	0.00
220220_at	LRRC37A4	leucine rich repe	0.26	-1.96	0.00	0.00
208140_s_at	LRRC48	leucine rich repe	0.21	-2.25	0.00	0.00
222231_s_at	LRRC59	leucine rich repe	9.77	3.29	0.00	0.00
218907_s_at	LRRC61	leucine rich repe	3.78	1.92	0.00	0.00
212976_at	LRRC8B	leucine rich repe	0.24	-2.07	0.00	0.00
215375_x_at	LRRFIP1	leucine rich repe	0.29	-1.79	0.00	0.00
216164_at	LRRN2	leucine rich repe	3.47	1.80	0.00	0.00
212924_s_at	LSM4	LSM4 homolog,	3.95	1.98	0.00	0.00
211018_at	LSS	lanosterol synth	0.15	-2.78	0.00	0.00
207339_s_at	LTB	lymphotoxin beta	3.79	1.92	0.00	0.00
202729_s_at	LTBP1	latent transformii	18.66	4.22	0.00	0.00
202728_s_at	LTBP1	latent transformii	3.49	1.80	0.00	0.00
204682_at	LTBP2	latent transformii	3.94	1.98	0.00	0.00
208835_s_at	LUC7L3	LUC7-like 3 (S. c	0.23	-2.16	0.00	0.00
201744_s_at	LUM	lumican	13.07	3.71	0.00	0.00
205668_at	LY75	lymphocyte antiç	0.23	-2.10	0.00	0.00
202626_s_at	LYN	v-yes-1 Yamagu	3.79	1.92	0.00	0.00
210754_s_at	LYN	v-yes-1 Yamagu	3.11	1.64	0.00	0.00
213975_s_at	LYZ	lysozyme (renal	25.59	4.68	0.00	0.00
219188_s_at	MACROD1	MACRO domain	0.20	-2.36	0.00	0.00
209348_s_at	MAF	v-maf musculoaf	0.28	-1.86	0.00	0.00
209942_x_at	MAGEA3	melanoma antig	5.27	2.40	0.00	0.00
214254_at	MAGEA4	melanoma antig	3.56	1.83	0.00	0.00
214612_x_at	MAGEA6	melanoma antig	5.52	2.46	0.00	0.00
206144_at	MAGI1	membrane assoi	0.23	-2.13	0.00	0.00
217282_at	MAN1A2	mannosidase, al	0.14	-2.87	0.00	0.00
218918_at	MAN1C1	mannosidase, al	0.28	-1.82	0.00	0.00
219999_at	MAN2A2	mannosidase, al	0.09	-3.45	0.00	0.00
215498_s_at	MAP2K3	mitogen-activate	0.33	-1.62	0.00	0.00
216765_at	MAP2K5	mitogen-activate	0.12	-3.03	0.00	0.00
216206_x_at	MAP2K7	mitogen-activate	0.24	-2.06	0.00	0.00
214786_at	MAP3K1	mitogen-activate	0.20	-2.33	0.00	0.00
206362_x_at	MAP3K10	mitogen-activate	3.80	1.92	0.00	0.00
205027_s_at	MAP3K8	mitogen-activate	0.11	-3.14	0.00	0.00
218311_at	MAP4K3	mitogen-activate	0.10	-3.39	0.00	0.00
203552_at	MAP4K5	mitogen-activate	0.27	-1.88	0.00	0.00
211081_s_at	MAP4K5	mitogen-activate	0.10	-3.36	0.00	0.00
204813_at	MAPK10	mitogen-activate	3.84	1.94	0.00	0.00
211500_at	MAPK11	mitogen-activate	5.42	2.44	0.00	0.00
210570_x_at	MAPK9	mitogen-activate	3.31	1.73	0.00	0.00
206401_s_at	MAPT	microtubule-assc	0.25	-1.98	0.00	0.00
200644_at	MARCKSL1	MARCKS-like 1	4.84	2.28	0.00	0.00
214048_at	MBD4	methyl-CpG binc	0.17	-2.54	0.00	0.00
218411_s_at	MBIP	MAP3K12 bindin	0.16	-2.63	0.00	0.00

201151_s_at	MBNL1	muscleblind-like	0.27	-1.90	0.00	0.00
211037_s_at	MBOAT7	membrane boun	3.24	1.70	0.00	0.00
207115_x_at	MBTD1	mbt domain cont	0.21	-2.22	0.00	0.00
208568_at	MC2R	melanocortin 2 r	3.44	1.78	0.00	0.00
211340_s_at	MCAM	melanoma cell a	10.97	3.46	0.00	0.00
209087_x_at	MCAM	melanoma cell a	4.93	2.30	0.00	0.00
209086_x_at	MCAM	melanoma cell a	4.13	2.05	0.00	0.00
210869_s_at	MCAM	melanoma cell a	3.61	1.85	0.01	0.01
220464_at	MCF2L	MCF.2 cell line d	0.22	-2.19	0.00	0.00
212935_at	MCF2L	MCF.2 cell line d	0.13	-2.95	0.00	0.00
35147_at	MCF2L	MCF.2 cell line d	0.11	-3.26	0.00	0.00
213761_at	MDM1	Mdm1 nuclear pi	0.13	-2.98	0.00	0.00
217542_at	MDM2	Mdm2 p53 bindi	0.33	-1.62	0.00	0.00
212693_at	MDN1	MDN1, midasin I	0.32	-1.67	0.00	0.00
202618_s_at	MECP2	methyl CpG binc	3.11	1.64	0.00	0.00
202616_s_at	MECP2	methyl CpG binc	0.30	-1.74	0.00	0.00
218664_at	MECR	mitochondrial tra	5.94	2.57	0.00	0.00
203497_at	MED1	mediator comple	0.18	-2.48	0.00	0.00
212208_at	MED13L	mediator comple	0.33	-1.59	0.00	0.00
212209_at	MED13L	mediator comple	0.32	-1.66	0.00	0.00
212207_at	MED13L	mediator comple	0.16	-2.69	0.00	0.00
216109_at	MED13L	mediator comple	0.12	-3.09	0.00	0.00
202611_s_at	MED14	mediator comple	0.32	-1.65	0.00	0.00
221650_s_at	MED18	mediator comple	3.11	1.64	0.00	0.00
209363_s_at	MED21	mediator comple	3.68	1.88	0.00	0.00
51176_at	MED27	mediator comple	3.74	1.90	0.00	0.00
207078_at	MED6	mediator comple	0.05	-4.27	0.00	0.00
208328_s_at	MEF2A	myocyte enhanc	0.25	-2.03	0.00	0.00
212831_at	MEGF9	multiple EGF-like	0.21	-2.28	0.00	0.00
204069_at	MEIS1	Meis homeobox	0.21	-2.26	0.00	0.00
213899_at	METAP2	methionyl amino	0.29	-1.78	0.00	0.00
220797_at	METT10D	methyltransferas	0.24	-2.08	0.00	0.00
213653_at	METTL3	methyltransferas	0.22	-2.20	0.00	0.00
211424_x_at	METTL7A	methyltransferas	0.20	-2.32	0.00	0.00
209703_x_at	METTL7A	methyltransferas	0.20	-2.35	0.00	0.00
203417_at	MFAP2	microfibrillar-ass	10.05	3.33	0.00	0.00
205442_at	MFAP3L	microfibrillar-ass	0.12	-3.09	0.00	0.00
219858_s_at	MFSD6	major facilitator s	0.12	-3.06	0.00	0.00
213403_at	MFSD9	major facilitator s	0.31	-1.67	0.00	0.00
211386_at	MGC12488	hypothetical prot	0.13	-2.97	0.00	0.00
217553_at	MGC87042	STEAP family pr	7.67	2.94	0.00	0.00
211026_s_at	MGLL	monoglyceride li	3.07	1.62	0.00	0.00
212473_s_at	MICAL2	microtubule assc	4.19	2.07	0.00	0.00
212472_at	MICAL2	microtubule assc	3.59	1.84	0.00	0.00
203636_at	MID1	midline 1 (Opitz/	7.07	2.82	0.00	0.00
221863_at	MIER2	mesoderm induc	3.93	1.98	0.00	0.00
214625_s_at	MINK1	misshapen-like k	3.86	1.95	0.00	0.00
209672_s_at	MIOS	missing oocyte, i	0.31	-1.69	0.00	0.00

206427_s_at	MLANA	melan-A	0.24	-2.07	0.01	0.02
206426_at	MLANA	melan-A	0.20	-2.31	0.02	0.03
212079_s_at	MLL	myeloid/lymphoi	0.24	-2.05	0.00	0.00
216845_x_at	MLL2	myeloid/lymphoi	5.50	2.46	0.00	0.00
216382_s_at	MLL2	myeloid/lymphoi	3.72	1.89	0.00	0.00
211071_s_at	MLLT11	myeloid/lymphoi	3.91	1.97	0.00	0.00
204918_s_at	MLLT3	myeloid/lymphoi	0.25	-2.00	0.00	0.00
214939_x_at	MLLT4	myeloid/lymphoi	3.38	1.76	0.00	0.00
203414_at	MMD	monocyte to mac	0.26	-1.95	0.00	0.00
204475_at	MMP1	matrix metallope	107.82	6.75	0.00	0.00
205680_at	MMP10	matrix metallope	48.35	5.60	0.00	0.00
203878_s_at	MMP11	matrix metallope	5.77	2.53	0.00	0.00
204580_at	MMP12	matrix metallope	32.97	5.04	0.00	0.00
205959_at	MMP13	matrix metallope	12.53	3.65	0.00	0.00
202828_s_at	MMP14	matrix metallope	3.91	1.97	0.00	0.00
206234_s_at	MMP17	matrix metallope	3.50	1.81	0.00	0.00
201069_at	MMP2	matrix metallope	10.50	3.39	0.00	0.00
205828_at	MMP3	matrix metallope	16.38	4.03	0.00	0.00
204259_at	MMP7	matrix metallope	5.43	2.44	0.00	0.00
203936_s_at	MMP9	matrix metallope	19.31	4.27	0.00	0.00
205330_at	MN1	meningioma (dis	3.81	1.93	0.00	0.00
219265_at	MOBK2B	MOB1, Mps One	3.62	1.86	0.00	0.00
219959_at	MOCOS	molybdenum cof	4.69	2.23	0.00	0.00
219852_s_at	MORN1	MORN repeat cc	8.14	3.02	0.00	0.00
221771_s_at	MPHOSPH8	M-phase phosph	0.31	-1.69	0.00	0.00
201874_at	MPZL1	myelin protein ze	11.28	3.50	0.00	0.00
210594_x_at	MPZL1	myelin protein ze	6.93	2.79	0.00	0.00
210087_s_at	MPZL1	myelin protein ze	6.44	2.69	0.00	0.00
201875_s_at	MPZL1	myelin protein ze	4.40	2.14	0.00	0.00
203779_s_at	MPZL2	myelin protein ze	3.50	1.81	0.00	0.00
210528_at	MR1	major histocomp	0.21	-2.24	0.00	0.00
221692_s_at	MRPL34	mitochondrial rib	0.33	-1.60	0.00	0.00
217919_s_at	MRPL42	mitochondrial rib	3.71	1.89	0.00	0.00
218281_at	MRPL48	mitochondrial rib	3.15	1.66	0.00	0.00
215919_s_at	MRPS11	mitochondrial rib	0.26	-1.95	0.00	0.00
204331_s_at	MRPS12	mitochondrial rib	4.32	2.11	0.00	0.00
219666_at	MS4A6A	membrane-span	14.27	3.84	0.00	0.00
209421_at	MSH2	mutS homolog 2	0.31	-1.69	0.00	0.00
205887_x_at	MSH3	mutS homolog 3	0.17	-2.57	0.00	0.00
218733_at	MSL2	male-specific letl	0.18	-2.47	0.00	0.00
219281_at	MSRA	methionine sulfo	3.81	1.93	0.00	0.00
218773_s_at	MSRB2	methionine sulfo	3.70	1.89	0.00	0.00
213380_x_at	MSTP9	macrophage stin	0.30	-1.72	0.00	0.01
204956_at	MTAP	methylthioadeno	0.29	-1.80	0.00	0.00
203347_s_at	MTF2	metal response ε	0.22	-2.16	0.00	0.00
220346_at	MTHFD2L	methylenetetrah	0.32	-1.64	0.00	0.00
36920_at	MTM1	myotubularin 1	0.16	-2.67	0.00	0.00
203212_s_at	MTMR2	myotubularin rel	3.29	1.72	0.00	0.00

212277_at	MTMR4	myotubularin rel	0.29	-1.79	0.00	0.00
203774_at	MTR	5-methyltetrahyc	0.28	-1.85	0.00	0.00
215560_x_at	MTRF1L	mitochondrial tra	0.30	-1.72	0.00	0.00
213693_s_at	MUC1	mucin 1, cell sur	3.82	1.93	0.00	0.00
216671_x_at	MUC8	mucin 8	3.11	1.64	0.00	0.00
218246_at	MUL1	mitochondrial E3	3.31	1.73	0.00	0.00
36907_at	MVK	mevalonate kina	4.52	2.18	0.00	0.00
202086_at	MX1	myxovirus (influe	34.04	5.09	0.00	0.00
204994_at	MX2	myxovirus (influe	10.08	3.33	0.00	0.00
206877_at	MXD1	MAX dimerizatio	3.81	1.93	0.00	0.00
212509_s_at	MXRA7	matrix-remodellin	3.52	1.81	0.00	0.00
204798_at	MYB	v-myb myeloblas	0.12	-3.11	0.00	0.00
201710_at	MYBL2	v-myb myeloblas	4.35	2.12	0.00	0.00
208040_s_at	MYBPC3	myosin binding p	4.65	2.22	0.00	0.00
201960_s_at	MYCBP2	MYC binding prc	0.26	-1.92	0.00	0.00
214058_at	MYCL1	v-myc myelocyt	0.30	-1.73	0.00	0.00
212372_at	MYH10	myosin, heavy cl	3.60	1.85	0.00	0.00
219946_x_at	MYH14	myosin, heavy cl	8.08	3.02	0.00	0.00
205940_at	MYH3	myosin, heavy cl	0.28	-1.82	0.00	0.00
220319_s_at	MYLIP	myosin regulator	0.12	-3.03	0.00	0.00
202555_s_at	MYLK	myosin light chai	4.98	2.32	0.01	0.01
212365_at	MYO1B	myosin IB	7.69	2.94	0.00	0.00
212364_at	MYO1B	myosin IB	4.31	2.11	0.00	0.00
204527_at	MYO5A	myosin VA (heav	3.63	1.86	0.00	0.00
203216_s_at	MYO6	myosin VI	0.33	-1.61	0.00	0.00
208452_x_at	MYO9B	myosin IXB	3.15	1.66	0.00	0.00
206657_s_at	MYOD1	myogenic differe	3.30	1.72	0.00	0.00
205826_at	MYOM2	myomesin (M-pr	0.24	-2.04	0.00	0.00
219509_at	MYOZ1	myozenin 1	4.52	2.18	0.00	0.00
213375_s_at	N4BP2L1	NEDD4 binding p	0.09	-3.50	0.00	0.00
202258_s_at	N4BP2L2	NEDD4 binding p	0.23	-2.10	0.00	0.00
221899_at	N4BP2L2	NEDD4 binding p	0.23	-2.10	0.00	0.00
202259_s_at	N4BP2L2	NEDD4 binding p	0.15	-2.72	0.00	0.00
214753_at	N4BP2L2	NEDD4 binding p	0.14	-2.80	0.00	0.00
208047_s_at	NAB1	NGFI-A binding p	0.33	-1.61	0.00	0.00
204860_s_at	NAIP	NLR family, apo	0.20	-2.36	0.00	0.00
220184_at	NANOG	Nanog homeobo	0.18	-2.52	0.00	0.00
219368_at	NAP1L2	nucleosome ass	0.09	-3.50	0.00	0.00
204749_at	NAP1L3	nucleosome ass	0.16	-2.66	0.00	0.00
219378_at	NARG1L	NMDA receptor s	0.25	-1.99	0.00	0.00
221207_s_at	NBEA	neurobeachin	0.28	-1.82	0.00	0.00
212443_at	NBEAL2	neurobeachin-lik	0.24	-2.03	0.00	0.00
201621_at	NBL1	neuroblastoma, s	3.10	1.63	0.00	0.00
211685_s_at	NCALD	neurocalcin delte	3.97	1.99	0.00	0.00
209556_at	NCDN	neurochondrin	6.07	2.60	0.00	0.00
209557_s_at	NCDN	neurochondrin	5.48	2.46	0.00	0.00
216114_at	NCKIPSD	NCK interacting	3.38	1.76	0.00	0.00
205731_s_at	NCOA2	nuclear receptor	0.17	-2.57	0.00	0.00

209062_x_at	NCOA3	nuclear receptor	3.16	1.66	0.00	0.00
217045_x_at	NCR2	natural cytotoxic	4.41	2.14	0.00	0.00
217493_x_at	NCR2	natural cytotoxic	4.16	2.06	0.00	0.00
218160_at	NDUFA8	NADH dehydrog	3.81	1.93	0.00	0.00
214241_at	NDUFB8	NADH dehydrog	0.22	-2.17	0.00	0.00
214657_s_at	NEAT1	nuclear paraspe	0.32	-1.64	0.02	0.02
205054_at	NEB	nebulin	0.13	-2.90	0.00	0.00
203961_at	NEBL	nebulette	0.23	-2.10	0.00	0.00
215005_at	NECAB2	N-terminal EF-h	3.07	1.62	0.00	0.00
209300_s_at	NECAP1	NECAP endocyt	0.31	-1.69	0.00	0.00
212445_s_at	NEDD4L	neural precursor	4.66	2.22	0.00	0.00
221805_at	NEFL	neurofilament, li	13.34	3.74	0.00	0.00
221916_at	NEFL	neurofilament, li	12.16	3.60	0.00	0.00
205113_at	NEFM	neurofilament, m	5.51	2.46	0.00	0.00
213116_at	NEK3	NIMA (never in r	0.32	-1.64	0.00	0.00
204634_at	NEK4	NIMA (never in r	0.24	-2.05	0.00	0.00
203413_at	NELL2	NEL-like 2 (chick	16.67	4.06	0.00	0.00
214125_s_at	NENF	neuron derived r	3.38	1.76	0.00	0.00
218678_at	NES	nestin	12.01	3.59	0.00	0.00
218888_s_at	NETO2	neuropilin (NRP)	8.61	3.11	0.00	0.00
204889_s_at	NEURL	neuralized homo	5.47	2.45	0.00	0.00
216115_at	NF1	neurofibromin 1	0.24	-2.09	0.00	0.00
214799_at	NFASC	neurofascin hom	0.16	-2.65	0.00	0.00
213438_at	NFASC	neurofascin hom	0.13	-2.94	0.00	0.00
208003_s_at	NFAT5	nuclear factor of	0.28	-1.86	0.00	0.00
208196_x_at	NFATC1	nuclear factor of	3.04	1.60	0.00	0.00
210556_at	NFATC3	nuclear factor of	0.20	-2.31	0.00	0.00
213033_s_at	NFIB	nuclear factor I/E	0.19	-2.42	0.00	0.00
213029_at	NFIB	nuclear factor I/E	0.17	-2.58	0.00	0.00
211466_at	NFIB	nuclear factor I/E	0.11	-3.14	0.00	0.00
209290_s_at	NFIB	nuclear factor I/E	0.10	-3.36	0.00	0.00
209289_at	NFIB	nuclear factor I/E	0.05	-4.26	0.00	0.00
213032_at	NFIB	nuclear factor I/E	0.03	-5.18	0.00	0.00
213298_at	NFIC	nuclear factor I/C	0.22	-2.16	0.00	0.00
203574_at	NFIL3	nuclear factor, in	3.11	1.64	0.00	0.00
214062_x_at	NFKBIB	nuclear factor of	3.02	1.59	0.00	0.00
209973_at	NFKBIL1	nuclear factor of	3.27	1.71	0.00	0.00
210268_at	NFX1	nuclear transcrip	0.17	-2.57	0.00	0.00
204109_s_at	NFYA	nuclear transcrip	4.29	2.10	0.00	0.00
218128_at	NFYB	nuclear transcrip	0.21	-2.26	0.00	0.00
216263_s_at	NGDN	neuroguidin, EIF	0.20	-2.32	0.00	0.00
219418_at	NHEJ1	nonhomologous	3.85	1.95	0.00	0.00
215228_at	NHLH2	nescient helix lo	0.16	-2.64	0.00	0.00
219353_at	NHLRC2	NHL repeat cont	0.14	-2.86	0.00	0.00
202007_at	NID1	nidogen 1	5.73	2.52	0.00	0.00
219594_at	NINJ2	ninjurin 2	3.36	1.75	0.00	0.00
212129_at	NIPA2	non imprinted in	4.25	2.09	0.00	0.00
212483_at	NIPBL	Nipped-B homol	0.28	-1.83	0.00	0.00

207108_s_at	NIPBL	Nipped-B homol	0.27	-1.88	0.00	0.00
201591_s_at	NISCH	nischarin	0.30	-1.73	0.00	0.00
205004_at	NKRF	NFKB repressinç	0.27	-1.90	0.00	0.00
202379_s_at	NKTR	natural killer-tum	0.32	-1.64	0.00	0.00
215338_s_at	NKTR	natural killer-tum	0.19	-2.42	0.00	0.00
206578_at	NKX2-5	NK2 transcrip	4.70	2.23	0.00	0.00
221933_at	NLGN4X	neuroligin 4, X-li	4.26	2.09	0.01	0.02
210113_s_at	NLRP1	NLR family, pyrir	0.33	-1.61	0.00	0.00
205204_at	NMB	neuromedin B	5.20	2.38	0.00	0.00
205005_s_at	NMT2	N-myristoyltrans	0.26	-1.92	0.00	0.00
215069_at	NMT2	N-myristoyltrans	0.24	-2.05	0.00	0.00
215743_at	NMT2	N-myristoyltrans	0.24	-2.09	0.00	0.00
206023_at	NMU	neuromedin U	0.23	-2.11	0.00	0.00
202237_at	NNMT	nicotinamide N-r	8.42	3.07	0.00	0.00
202238_s_at	NNMT	nicotinamide N-r	3.15	1.66	0.02	0.03
59625_at	NOL3	nucleolar protein	0.33	-1.61	0.00	0.00
205895_s_at	NOLC1	nucleolar and co	3.59	1.84	0.00	0.00
214011_s_at	NOP16	NOP16 nucleola	3.18	1.67	0.00	0.00
207310_s_at	NOS1	nitric oxide synth	3.20	1.68	0.00	0.00
214722_at	NOTCH2NL	Notch homolog 2	0.19	-2.39	0.00	0.00
203238_s_at	NOTCH3	Notch homolog 3	0.26	-1.96	0.00	0.00
204501_at	NOV	nephroblastoma	0.27	-1.92	0.00	0.00
214321_at	NOV	nephroblastoma	0.07	-3.82	0.00	0.00
201695_s_at	NP	nucleoside phos,	7.72	2.95	0.00	0.00
39549_at	NPAS2	neuronal PAS dc	0.28	-1.82	0.00	0.00
211584_s_at	NPAT	nuclear protein, i	0.32	-1.64	0.00	0.00
214066_x_at	NPR2	natriuretic peptid	0.20	-2.32	0.00	0.00
204310_s_at	NPR2	natriuretic peptid	0.17	-2.53	0.00	0.00
205440_s_at	NPY1R	neuropeptide Y r	0.04	-4.58	0.00	0.00
210519_s_at	NQO1	NAD(P)H dehydi	7.00	2.81	0.00	0.00
201467_s_at	NQO1	NAD(P)H dehydi	5.72	2.52	0.00	0.00
201468_s_at	NQO1	NAD(P)H dehydi	4.31	2.11	0.01	0.01
206410_at	NR0B2	nuclear receptor	3.03	1.60	0.00	0.00
209119_x_at	NR2F2	nuclear receptor	0.12	-3.05	0.00	0.00
205259_at	NR3C2	nuclear receptor	0.22	-2.20	0.00	0.00
211143_x_at	NR4A1	nuclear receptor	3.75	1.91	0.00	0.00
202340_x_at	NR4A1	nuclear receptor	3.25	1.70	0.00	0.00
210226_at	NR4A1	nuclear receptor	3.24	1.69	0.00	0.00
209959_at	NR4A3	nuclear receptor	7.03	2.81	0.00	0.00
219557_s_at	NRIP3	nuclear receptor	5.24	2.39	0.00	0.00
210841_s_at	NRP2	neuropilin 2	3.69	1.88	0.00	0.00
210683_at	NRTN	neurturin	0.11	-3.20	0.00	0.00
221606_s_at	NSBP1	nucleosomal bin	0.22	-2.19	0.00	0.00
209279_s_at	NSDHL	NAD(P) dependt	4.79	2.26	0.00	0.00
217831_s_at	NSFL1C	NSFL1 (p97) cof	3.26	1.71	0.00	0.00
219067_s_at	NSMCE4A	non-SMC eleme	0.31	-1.70	0.00	0.00
222128_at	NSUN6	NOL1/NOP2/Sun	0.15	-2.73	0.00	0.00
203939_at	NT5E	5'-nucleotidase, i	5.04	2.33	0.00	0.00

221796_at	NTRK2	neurotrophic tyrc	0.24	-2.04	0.01	0.01
203978_at	NUBP1	nucleotide bindir	3.90	1.96	0.00	0.00
214136_at	NUDT13	nudix (nucleosid	0.13	-2.93	0.00	0.00
213461_at	NUDT21	nudix (nucleosid	0.27	-1.87	0.00	0.00
206303_s_at	NUDT4	nudix (nucleosid	4.19	2.07	0.00	0.00
220183_s_at	NUDT6	nudix (nucleosid	0.20	-2.30	0.00	0.00
205134_s_at	NUFIP1	nuclear fragile X	0.24	-2.09	0.00	0.00
207545_s_at	NUMB	numb homolog (	0.26	-1.96	0.00	0.00
212709_at	NUP160	nucleoporin 160l	0.23	-2.13	0.00	0.00
218295_s_at	NUP50	nucleoporin 50kI	3.39	1.76	0.00	0.00
209230_s_at	NUPR1	nuclear protein, 1	0.19	-2.40	0.00	0.00
202869_at	OAS1	2',5'-oligoadenyl:	8.02	3.00	0.00	0.00
205552_s_at	OAS1	2',5'-oligoadenyl:	5.26	2.39	0.00	0.00
204972_at	OAS2	2'-5'-oligoadenyl:	4.04	2.01	0.00	0.00
205660_at	OASL	2'-5'-oligoadenyl:	6.42	2.68	0.00	0.00
210797_s_at	OASL	2'-5'-oligoadenyl:	5.29	2.40	0.00	0.00
201364_s_at	OAZ2	ornithine decarbi	4.16	2.06	0.00	0.00
219100_at	OBFC1	oligonucleotide/c	5.31	2.41	0.00	0.00
220848_x_at	OBP2A	odorant binding |	3.93	1.98	0.00	0.00
206498_at	OCA2	oculocutaneous	0.32	-1.64	0.01	0.01
200790_at	ODC1	ornithine decarbi	7.70	2.95	0.00	0.00
44617_at	OGFOD2	2-oxoglutarate a	6.38	2.67	0.00	0.00
210443_x_at	OGFR	opioid growth fac	3.10	1.63	0.00	0.00
212307_s_at	OGT	O-linked N-acety	0.25	-2.01	0.00	0.00
207564_x_at	OGT	O-linked N-acety	0.17	-2.55	0.00	0.00
213131_at	OLFM1	olfactomedin 1	3.94	1.98	0.01	0.01
218556_at	ORMDL2	ORM1-like 2 (S.	3.46	1.79	0.00	0.00
212582_at	OSBPL8	oxysterol binding	0.32	-1.64	0.00	0.00
38710_at	OTUB1	OTU domain, ub	3.69	1.88	0.00	0.00
206604_at	OVOL1	ovo-like 1(Droso	3.36	1.75	0.00	0.00
202780_at	OXCT1	3-oxoacid CoA tr	0.16	-2.68	0.00	0.00
218197_s_at	OXR1	oxidation resista	0.12	-3.10	0.00	0.00
207091_at	P2RX7	purinergic recept	0.24	-2.07	0.00	0.00
200654_at	P4HB	prolyl 4-hydroxyl	3.38	1.76	0.00	0.00
222125_s_at	P4HTM	prolyl 4-hydroxyl	0.20	-2.35	0.00	0.00
214794_at	PA2G4	proliferation-assr	0.24	-2.05	0.00	0.00
221868_at	PAIP2B	poly(A) binding p	0.21	-2.29	0.00	0.00
208876_s_at	PAK2	p21 protein (Cdc	0.17	-2.60	0.00	0.00
200906_s_at	PALLD	palladin, cytoske	4.31	2.11	0.00	0.00
200907_s_at	PALLD	palladin, cytoske	3.09	1.63	0.00	0.00
203859_s_at	PALM	paralemmin	0.32	-1.62	0.00	0.00
212958_x_at	PAM	peptidylglycine a	5.37	2.42	0.00	0.00
202336_s_at	PAM	peptidylglycine a	4.55	2.19	0.00	0.00
213661_at	PAMR1	peptidase domai	0.06	-4.16	0.00	0.00
203117_s_at	PAN2	PAN2 poly(A) sp	0.22	-2.19	0.00	0.00
221941_at	PAOX	polyamine oxida	3.11	1.64	0.00	0.00
212720_at	PAPOLA	poly(A) polymera	0.32	-1.64	0.00	0.00
215374_at	PAPOLA	poly(A) polymera	0.28	-1.86	0.00	0.00

203060_s_at	PAPSS2	3'-phosphoadeni	5.18	2.37	0.00	0.00
203058_s_at	PAPSS2	3'-phosphoadeni	3.01	1.59	0.00	0.00
213372_at	PAQR3	progesterin and ad	0.25	-2.02	0.00	0.00
221527_s_at	PARD3	par-3 partitioning	0.23	-2.09	0.00	0.00
205245_at	PARD6A	par-6 partitioning	3.82	1.93	0.00	0.00
218543_s_at	PARP12	poly (ADP-ribose	3.88	1.96	0.00	0.00
214086_s_at	PARP2	poly (ADP-ribose	0.30	-1.74	0.00	0.00
217890_s_at	PARVA	parvin, alpha	6.67	2.74	0.00	0.00
214237_x_at	PAWR	PRKC, apoptosis	5.19	2.38	0.00	0.00
121_at	PAX8	paired box 8	8.54	3.09	0.00	0.00
212825_at	PAXIP1	PAX interacting i	0.31	-1.71	0.00	0.00
202876_s_at	PBX2	pre-B-cell leuker	0.18	-2.50	0.00	0.00
212259_s_at	PBXIP1	pre-B-cell leuker	3.24	1.70	0.00	0.00
204476_s_at	PC	pyruvate carboxy	5.70	2.51	0.00	0.00
203557_s_at	PCBD1	pterin-4 alpha-ce	3.48	1.80	0.00	0.00
213264_at	PCBP2	poly(rC) binding	0.30	-1.72	0.00	0.00
213517_at	PCBP2	poly(rC) binding	0.22	-2.17	0.00	0.00
203860_at	PCCA	propionyl Coenz	0.18	-2.49	0.00	0.00
213369_at	PCDH21	protocadherin 21	0.09	-3.52	0.00	0.00
220186_s_at	PCDH24	protocadherin 24	4.31	2.11	0.00	0.00
205534_at	PCDH7	protocadherin 7	3.23	1.69	0.01	0.02
210368_at	PCDHGA8	protocadherin ge	0.29	-1.81	0.00	0.00
203378_at	PCF11	PCF11, cleavag	0.13	-2.98	0.00	0.00
210022_at	PCGF1	polycomb group	3.13	1.65	0.00	0.00
203792_x_at	PCGF2	polycomb group	3.73	1.90	0.00	0.00
213558_at	PCLO	piccolo (presyna	0.25	-2.01	0.00	0.00
214937_x_at	PCM1	pericentriolar ma	0.27	-1.89	0.00	0.00
212406_s_at	PCMTD2	protein-L-isoasp	0.16	-2.65	0.00	0.00
215175_at	PCNX	pecanex homolo	0.33	-1.60	0.00	0.00
205560_at	PCSK5	proprotein conve	0.25	-2.00	0.00	0.00
205559_s_at	PCSK5	proprotein conve	0.17	-2.60	0.00	0.00
210553_x_at	PCSK6	proprotein conve	3.24	1.70	0.00	0.00
207239_s_at	PCTK1	PCTAIRE protei	3.35	1.75	0.00	0.00
212594_at	PDCD4	programmed cel	0.30	-1.73	0.00	0.00
222381_at	PDCD6	programmed cel	3.23	1.69	0.00	0.00
204134_at	PDE2A	phosphodiestera	3.05	1.61	0.00	0.00
206791_s_at	PDE4C	phosphodiestera	3.16	1.66	0.00	0.00
213388_at	PDE4DIP	phosphodiestera	0.23	-2.15	0.00	0.00
209700_x_at	PDE4DIP	phosphodiestera	0.21	-2.28	0.00	0.00
203857_s_at	PDIA5	protein disulfide	3.77	1.92	0.00	0.00
221957_at	PKD3	pyruvate dehydr	3.49	1.80	0.00	0.00
219165_at	PDLIM2	PDZ and LIM do	0.33	-1.60	0.00	0.00
218690_at	PDLIM4	PDZ and LIM do	4.59	2.20	0.00	0.00
211564_s_at	PDLIM4	PDZ and LIM do	3.58	1.84	0.00	0.00
203242_s_at	PDLIM5	PDZ and LIM do	0.29	-1.80	0.00	0.00
213684_s_at	PDLIM5	PDZ and LIM do	0.18	-2.51	0.00	0.00
32029_at	PDPK1	3-phosphoinositi	3.83	1.94	0.00	0.00
221898_at	PDPN	podoplanin	8.04	3.01	0.00	0.00

215888_at	PDS5B	PDS5, regulator	0.27	-1.88	0.00	0.00
204742_s_at	PDS5B	PDS5, regulator	0.21	-2.29	0.00	0.00
220865_s_at	PDSS1	prenyl (decapr	3.73	1.90	0.00	0.00
221992_at	PDXDC2	pyridoxal-depen	0.30	-1.75	0.00	0.00
202671_s_at	PDXK	pyridoxal (pyrido	4.68	2.23	0.00	0.00
218018_at	PDXK	pyridoxal (pyrido	3.84	1.94	0.00	0.00
209493_at	PDZD2	PDZ domain con	0.06	-4.14	0.00	0.00
219630_at	PDZK1IP1	PDZK1 interactir	7.44	2.89	0.00	0.00
208982_at	PECAM1	platelet/endothel	4.45	2.15	0.00	0.00
209242_at	PEG3	paternally expres	0.10	-3.32	0.00	0.00
219132_at	PELI2	pellino homolog	0.11	-3.25	0.00	0.00
205251_at	PER2	period homolog ;	0.25	-1.98	0.00	0.00
204300_at	PET112L	PET112-like (ye	4.53	2.18	0.00	0.00
215023_s_at	PEX1	peroxisomal bioç	0.24	-2.06	0.00	0.00
204873_at	PEX1	peroxisomal bioç	0.06	-4.04	0.00	0.00
201706_s_at	PEX19	peroxisomal bioç	5.22	2.38	0.00	0.00
203969_at	PEX3	peroxisomal bioç	0.09	-3.48	0.00	0.00
207931_s_at	PFKFB2	6-phosphofructo	3.45	1.79	0.00	0.00
204992_s_at	PFN2	profilin 2	4.42	2.14	0.00	0.00
213469_at	PGAP1	post-GPI attachr	0.09	-3.53	0.00	0.00
220576_at	PGAP1	post-GPI attachr	0.03	-4.87	0.00	0.00
219225_at	PGBD5	piggyBac transp	11.03	3.46	0.00	0.00
201118_at	PGD	phosphoglucona	4.26	2.09	0.00	0.00
209652_s_at	PGF	placental growth	3.52	1.82	0.00	0.00
220944_at	PGLYRP4	peptidoglycan re	3.41	1.77	0.00	0.00
201968_s_at	PGM1	phosphoglucom	3.26	1.70	0.00	0.00
218410_s_at	PGP	phosphoglycolat	3.99	2.00	0.00	0.00
213227_at	PGRMC2	progesterone rec	0.23	-2.15	0.00	0.00
218338_at	PHC1	polyhomeotic ho	3.11	1.64	0.00	0.00
204866_at	PHF16	PHD finger prote	0.24	-2.05	0.00	0.00
217952_x_at	PHF3	PHD finger prote	0.28	-1.83	0.00	0.00
217951_s_at	PHF3	PHD finger prote	0.13	-2.96	0.00	0.00
215718_s_at	PHF3	PHD finger prote	0.11	-3.21	0.00	0.00
201397_at	PHGDH	phosphoglycerat	0.21	-2.28	0.00	0.00
205450_at	PHKA1	phosphorylase k	3.74	1.90	0.00	0.00
217996_at	PHLDA1	pleckstrin homol	6.96	2.80	0.00	0.00
217997_at	PHLDA1	pleckstrin homol	6.16	2.62	0.00	0.00
216102_at	PHLDB1	pleckstrin homol	5.85	2.55	0.00	0.00
212719_at	PHLPP1	PH domain and l	0.24	-2.05	0.00	0.00
41469_at	PI3	peptidase inhibit	173.44	7.44	0.00	0.00
203691_at	PI3	peptidase inhibit	150.23	7.23	0.00	0.00
209346_s_at	PI4K2A	phosphatidylinos	3.42	1.77	0.00	0.00
217862_at	PIAS1	protein inhibitor	0.32	-1.63	0.00	0.00
37433_at	PIAS2	protein inhibitor	0.12	-3.11	0.00	0.00
213239_at	PIBF1	progesterone im	0.24	-2.05	0.00	0.00
205281_s_at	PIGA	phosphatidylinos	0.33	-1.62	0.00	0.00
215242_at	PIGC	phosphatidylinos	0.26	-1.96	0.00	0.00
215129_at	PIK3C2G	phosphoinositide	0.14	-2.82	0.00	0.00

204369_at	PIK3CA	phosphoinositide	0.17	-2.55	0.00	0.00
217620_s_at	PIK3CB	phosphoinositide	0.08	-3.57	0.00	0.00
221757_at	PIK3IP1	phosphoinositide	4.31	2.11	0.00	0.00
202743_at	PIK3R3	phosphoinositide	4.31	2.11	0.00	0.00
213111_at	PIKFYVE	phosphoinositide	0.26	-1.93	0.00	0.00
222218_s_at	PILRA	paired immunogl	0.27	-1.88	0.00	0.00
220954_s_at	PILRB	paired immunogl	0.29	-1.78	0.00	0.00
222150_s_at	PION	pigeon homolog	0.17	-2.54	0.00	0.00
213142_x_at	PION	pigeon homolog	0.13	-2.92	0.00	0.00
205632_s_at	PIP5K1B	phosphatidylinos	0.23	-2.12	0.00	0.00
219155_at	PITPNC1	phosphatidylinos	9.65	3.27	0.00	0.00
209587_at	PITX1	paired-like home	15.25	3.93	0.00	0.00
208502_s_at	PITX1	paired-like home	10.99	3.46	0.00	0.00
218667_at	PJA1	praja ring finger	4.11	2.04	0.00	0.00
203688_at	PKD2	polycystic kidney	0.22	-2.20	0.00	0.00
221061_at	PKD2L1	polycystic kidney	5.68	2.51	0.00	0.00
204267_x_at	PKMYT1	protein kinase, n	3.85	1.95	0.00	0.00
212629_s_at	PKN2	protein kinase N.	0.27	-1.88	0.00	0.00
205724_at	PKP1	plakophilin 1 (ec	4.36	2.12	0.00	0.00
201929_s_at	PKP4	plakophilin 4	0.28	-1.85	0.00	0.00
207943_x_at	PLAGL1	pleiomorphic adk	0.07	-3.80	0.00	0.00
209318_x_at	PLAGL1	pleiomorphic adk	0.06	-3.96	0.00	0.00
207002_s_at	PLAGL1	pleiomorphic adk	0.05	-4.38	0.00	0.00
201860_s_at	PLAT	plasminogen act	5.03	2.33	0.00	0.00
205479_s_at	PLAU	plasminogen act	8.45	3.08	0.00	0.00
210845_s_at	PLAUR	plasminogen act	8.47	3.08	0.00	0.00
211924_s_at	PLAUR	plasminogen act	7.69	2.94	0.00	0.00
219011_at	PLEKHA4	pleckstrin homol	4.72	2.24	0.00	0.00
220952_s_at	PLEKHA5	pleckstrin homol	0.33	-1.62	0.00	0.00
219566_at	PLEKHF1	pleckstrin homol	8.15	3.03	0.00	0.00
212823_s_at	PLEKHG3	pleckstrin homol	3.01	1.59	0.00	0.00
204436_at	PLEKHO2	pleckstrin homol	5.39	2.43	0.00	0.00
204519_s_at	PLLP	plasma membrai	0.12	-3.12	0.00	0.00
202185_at	PLOD3	procollagen-lysir	3.82	1.93	0.00	0.00
205190_at	PLS1	plastin 1 (I isofor	0.17	-2.53	0.00	0.00
202446_s_at	PLSCR1	phospholipid scr	5.15	2.37	0.00	0.00
202430_s_at	PLSCR1	phospholipid scr	3.00	1.59	0.00	0.00
56197_at	PLSCR3	phospholipid scr	5.47	2.45	0.00	0.00
213030_s_at	PLXNA2	plexin A2	0.32	-1.63	0.00	0.00
217875_s_at	PMEPA1	prostate transme	3.15	1.66	0.00	0.00
206503_x_at	PML	promyelocytic lei	3.09	1.63	0.00	0.00
179_at	PMS2L11	postmeiotic segr	12.81	3.68	0.00	0.00
215412_x_at	PMS2L2	postmeiotic segr	0.29	-1.77	0.00	0.00
212037_at	PNN	pinin, desmosorr	0.31	-1.70	0.00	0.00
212036_s_at	PNN	pinin, desmosorr	0.12	-3.02	0.00	0.00
39854_r_at	PNPLA2	patatin-like phos	8.10	3.02	0.00	0.00
220675_s_at	PNPLA3	patatin-like phos	0.19	-2.38	0.00	0.00
219756_s_at	POF1B	premature ovaric	0.11	-3.14	0.00	0.00

215281_x_at	POGZ	pogo transposab	0.27	-1.92	0.00	0.00
214226_at	POL3S	polyserase 3	4.40	2.14	0.00	0.00
219380_x_at	POLH	polymerase (DN.	0.23	-2.12	0.00	0.00
219317_at	POLI	polymerase (DN.	0.24	-2.05	0.00	0.00
202306_at	POLR2G	polymerase (RN.	3.37	1.75	0.00	0.00
60815_at	POLR2J4	polymerase (RN.	0.08	-3.74	0.00	0.00
218866_s_at	POLR3K	polymerase (RN.	3.03	1.60	0.00	0.00
217769_s_at	POMP	proteasome mat	3.07	1.62	0.00	0.00
220632_s_at	POMT2	protein-O-mann	3.79	1.92	0.00	0.00
219926_at	POPDC3	popeye domain c	3.64	1.86	0.00	0.00
210809_s_at	POSTN	periostin, osteob	0.28	-1.82	0.01	0.02
214981_at	POSTN	periostin, osteob	0.15	-2.71	0.00	0.00
211660_at	POU2F2	POU class 2 hor	3.19	1.67	0.00	0.00
215355_at	POU2F3	POU class 2 hor	0.07	-3.92	0.00	0.00
207109_at	POU2F3	POU class 2 hor	0.04	-4.53	0.00	0.00
208345_s_at	POU3F1	POU class 3 hor	0.23	-2.13	0.00	0.00
216332_at	POU6F1	POU class 6 hor	3.50	1.81	0.00	0.00
212226_s_at	PPAP2B	phosphatidic aci	3.05	1.61	0.01	0.01
219195_at	PPARGC1A	peroxisome proli	0.11	-3.17	0.00	0.00
214374_s_at	PPFIBP1	PTPRF interactir	0.18	-2.46	0.00	0.00
217602_at	PPIA	peptidylprolyl iso	0.06	-4.01	0.00	0.00
204517_at	PPIC	peptidylprolyl iso	3.63	1.86	0.00	0.00
204518_s_at	PPIC	peptidylprolyl iso	3.06	1.61	0.00	0.00
204788_s_at	PPOX	protoporphyrinoç	0.31	-1.70	0.00	0.00
201604_s_at	PPP1R12A	protein phosphal	0.31	-1.68	0.00	0.00
201603_at	PPP1R12A	protein phosphal	0.29	-1.78	0.00	0.00
216347_s_at	PPP1R13B	protein phosphal	0.25	-2.01	0.00	0.00
202165_at	PPP1R2	protein phosphal	0.25	-2.00	0.00	0.00
204284_at	PPP1R3C	protein phosphal	3.24	1.70	0.01	0.01
204554_at	PPP1R3D	protein phosphal	0.27	-1.88	0.00	0.00
202886_s_at	PPP2R1B	protein phosphal	3.43	1.78	0.00	0.00
209632_at	PPP2R3A	protein phosphal	0.25	-2.02	0.00	0.00
219264_s_at	PPP2R3B	protein phosphal	0.27	-1.90	0.00	0.00
215705_at	PPP5C	protein phosphal	3.54	1.82	0.00	0.00
209826_at	PPT2	palmitoyl-protein	0.17	-2.58	0.00	0.00
213483_at	PPWD1	peptidylprolyl iso	0.24	-2.05	0.00	0.00
216458_at	PQLC3	PQ loop repeat c	4.88	2.29	0.00	0.00
211531_x_at	PRB1	proline-rich prote	7.08	2.82	0.00	0.00
210597_x_at	PRB1	proline-rich prote	3.50	1.81	0.00	0.00
207752_x_at	PRB1	proline-rich prote	3.18	1.67	0.00	0.00
37022_at	PRELP	proline/arginine-i	0.26	-1.92	0.00	0.00
205628_at	PRIM2	primase, DNA, p	0.22	-2.19	0.00	0.00
214917_at	PRKAA1	protein kinase, A	0.17	-2.56	0.00	0.00
200604_s_at	PRKAR1A	protein kinase, c	7.74	2.95	0.00	0.00
204843_s_at	PRKAR2A	protein kinase, c	3.69	1.89	0.00	0.00
203680_at	PRKAR2B	protein kinase, c	0.30	-1.75	0.00	0.00
209685_s_at	PRKCB	protein kinase C	0.21	-2.27	0.00	0.00
207957_s_at	PRKCB	protein kinase C	0.13	-2.91	0.00	0.00

213010_at	PRKCDBP	protein kinase C	4.40	2.14	0.00	0.00
210038_at	PRKCQ	protein kinase C	5.19	2.38	0.00	0.00
211084_x_at	PRKD3	protein kinase D	0.22	-2.22	0.00	0.00
218236_s_at	PRKD3	protein kinase D	0.17	-2.55	0.00	0.00
210476_s_at	PRLR	prolactin recepto	3.80	1.93	0.00	0.00
206445_s_at	PRMT1	protein arginine i	4.49	2.17	0.00	0.00
214203_s_at	PRODH	proline dehydrog	0.20	-2.36	0.00	0.00
220553_s_at	PRPF39	PRP39 pre-mRN	0.12	-3.02	0.00	0.00
214941_s_at	PRPF40A	PRP40 pre-mRN	6.22	2.64	0.00	0.00
202127_at	PRPF4B	PRP4 pre-mRN/	0.31	-1.69	0.00	0.00
211090_s_at	PRPF4B	PRP4 pre-mRN/	0.22	-2.16	0.00	0.00
205402_x_at	PRSS2	protease, serine,	5.87	2.55	0.00	0.00
202458_at	PRSS23	protease, serine,	11.77	3.56	0.00	0.00
200866_s_at	PSAP	prosaposin	3.59	1.85	0.00	0.00
218613_at	PSD3	pleckstrin and St	0.29	-1.80	0.01	0.01
205961_s_at	PSIP1	PC4 and SFRS1	0.22	-2.18	0.00	0.00
209337_at	PSIP1	PC4 and SFRS1	0.11	-3.25	0.00	0.00
201274_at	PSMA5	proteasome (pro	4.12	2.04	0.00	0.00
202659_at	PSMB10	proteasome (pro	6.07	2.60	0.00	0.00
204279_at	PSMB9	proteasome (pro	4.94	2.30	0.00	0.00
209334_s_at	PSMD9	proteasome (pro	3.60	1.85	0.00	0.00
209853_s_at	PSME3	proteasome (pro	4.60	2.20	0.00	0.00
200987_x_at	PSME3	proteasome (pro	3.89	1.96	0.00	0.00
205194_at	PSPH	phosphoserine p	0.31	-1.68	0.00	0.00
205048_s_at	PSPH	phosphoserine p	0.06	-4.12	0.00	0.00
219658_at	PTCD2	pentatricopeptid	0.17	-2.57	0.00	0.00
209815_at	PTCH1	patched homoloq	0.22	-2.17	0.00	0.00
218967_s_at	PTER	phosphotriester	0.17	-2.58	0.00	0.00
214391_x_at	PTGER1	prostaglandin E	8.15	3.03	0.00	0.00
207650_x_at	PTGER1	prostaglandin E	4.37	2.13	0.00	0.00
211909_x_at	PTGER3	prostaglandin E	0.26	-1.93	0.00	0.00
210833_at	PTGER3	prostaglandin E	0.26	-1.94	0.00	0.00
210834_s_at	PTGER3	prostaglandin E	0.24	-2.06	0.00	0.00
213933_at	PTGER3	prostaglandin E	0.21	-2.25	0.00	0.00
210374_x_at	PTGER3	prostaglandin E	0.16	-2.63	0.00	0.00
210832_x_at	PTGER3	prostaglandin E	0.12	-3.07	0.00	0.00
210375_at	PTGER3	prostaglandin E	0.12	-3.09	0.00	0.00
205128_x_at	PTGS1	prostaglandin-en	0.29	-1.78	0.00	0.00
205911_at	PTH1R	parathyroid horr	0.20	-2.33	0.00	0.00
211756_at	PTH1H	parathyroid horr	17.89	4.16	0.00	0.00
206300_s_at	PTH1H	parathyroid horr	6.37	2.67	0.00	0.00
210355_at	PTH1H	parathyroid horr	4.49	2.17	0.00	0.00
200772_x_at	PTMA	prothymosin, alp	0.31	-1.71	0.00	0.00
219654_at	PTPLA	protein tyrosine j	4.75	2.25	0.00	0.00
204201_s_at	PTPN13	protein tyrosine j	0.16	-2.69	0.00	0.00
203997_at	PTPN3	protein tyrosine j	0.31	-1.70	0.00	0.00
204960_at	PTPRCAP	protein tyrosine j	3.65	1.87	0.00	0.00
215066_at	PTPRF	protein tyrosine j	0.18	-2.49	0.00	0.00

204944_at	PTPRG	protein tyrosine p	3.21	1.68	0.00	0.00
211320_s_at	PTPRU	protein tyrosine p	4.09	2.03	0.00	0.00
212012_at	PXDN	peroxidasin hom	14.13	3.82	0.00	0.00
212013_at	PXDN	peroxidasin hom	14.13	3.82	0.00	0.00
201087_at	PXN	paxillin	3.78	1.92	0.00	0.00
218944_at	PYCRL	pyrroline-5-carbc	4.02	2.01	0.00	0.00
202990_at	PYGL	phosphorylase, ζ	4.00	2.00	0.00	0.00
220209_at	PYY2	peptide YY, 2 (s	3.49	1.80	0.00	0.00
209123_at	QDPR	quinoid dihydrop	3.57	1.83	0.00	0.00
212263_at	QKI	quaking homolog	0.18	-2.45	0.00	0.00
205174_s_at	QPCT	glutaminy-peptic	0.30	-1.72	0.00	0.00
201482_at	QSOX1	quiescin Q6 sulfi	3.78	1.92	0.00	0.00
200864_s_at	RAB11A	RAB11A, membe	0.33	-1.60	0.00	0.00
214999_s_at	RAB11FIP3	RAB11 family int	0.16	-2.63	0.00	0.00
200928_s_at	RAB14	RAB14, member	0.33	-1.62	0.00	0.00
211503_s_at	RAB14	RAB14, member	0.31	-1.69	0.00	0.00
219622_at	RAB20	RAB20, member	5.80	2.54	0.00	0.00
207018_s_at	RAB27B	RAB27B, membe	0.32	-1.64	0.00	0.00
208733_at	RAB2A	RAB2A, member	0.25	-2.02	0.00	0.00
217764_s_at	RAB31	RAB31, member	7.76	2.96	0.00	0.00
217763_s_at	RAB31	RAB31, member	4.92	2.30	0.00	0.00
204214_s_at	RAB32	RAB32, member	5.58	2.48	0.00	0.00
221014_s_at	RAB33B	RAB33B, membe	0.13	-2.95	0.00	0.00
217597_x_at	RAB40B	RAB40B, membe	4.28	2.10	0.00	0.00
213466_at	RAB40C	RAB40C, memb	5.24	2.39	0.00	0.00
219210_s_at	RAB8B	RAB8B, member	3.52	1.82	0.00	0.00
203136_at	RABAC1	Rab acceptor 1 (	3.27	1.71	0.00	0.00
203020_at	RABGAP1L	RAB GTPase ac	0.32	-1.67	0.00	0.00
215342_s_at	RABGAP1L	RAB GTPase ac	0.24	-2.04	0.00	0.00
204478_s_at	RABIF	RAB interacting	4.67	2.22	0.00	0.00
213603_s_at	RAC2	ras-related C3 b	10.56	3.40	0.00	0.00
204146_at	RAD51AP1	RAD51 associati	0.20	-2.33	0.00	0.00
205647_at	RAD52	RAD52 homolog	0.19	-2.38	0.00	0.00
202052_s_at	RAI14	retinoic acid ind	0.24	-2.07	0.00	0.00
209051_s_at	RALGDS	ral guanine nuck	3.27	1.71	0.00	0.00
209050_s_at	RALGDS	ral guanine nuck	0.18	-2.46	0.00	0.00
210552_s_at	RALGPS1	Ral GEF with PI	0.28	-1.84	0.00	0.00
204199_at	RALGPS1	Ral GEF with PI	0.15	-2.78	0.00	0.00
220338_at	RALGPS2	Ral GEF with PI	0.22	-2.21	0.00	0.00
202639_s_at	RANBP3	RAN binding pro	3.80	1.92	0.00	0.00
202583_s_at	RANBP9	RAN binding pro	0.29	-1.81	0.00	0.00
212125_at	RANGAP1	Ran GTPase act	3.67	1.88	0.00	0.00
215992_s_at	RAPGEF2	Rap guanine nuc	0.06	-4.02	0.00	0.00
210051_at	RAPGEF3	Rap guanine nuc	3.52	1.82	0.00	0.00
205651_x_at	RAPGEF4	Rap guanine nuc	0.12	-3.01	0.00	0.00
219112_at	RAPGEF6	Rap guanine nuc	0.33	-1.61	0.00	0.00
218657_at	RAPGEFL1	Rap guanine nuc	0.19	-2.36	0.00	0.00
204189_at	RARG	retinoic acid rece	3.21	1.68	0.00	0.00

221872_at	RARRES1	retinoic acid rece	3.39	1.76	0.01	0.02
212706_at	RASA4	RAS p21 protein	0.13	-2.94	0.00	0.00
214369_s_at	RASGRP2	RAS guanyl rele	0.19	-2.38	0.00	0.00
220027_s_at	RASIP1	Ras interacting p	3.98	1.99	0.00	0.00
202033_s_at	RB1CC1	RB1-inducible cc	0.29	-1.78	0.00	0.00
202034_x_at	RB1CC1	RB1-inducible cc	0.22	-2.18	0.00	0.00
219222_at	RBKS	ribokinase	5.27	2.40	0.00	0.00
205296_at	RBL1	retinoblastoma-li	0.24	-2.06	0.00	0.00
212332_at	RBL2	retinoblastoma-li	0.30	-1.72	0.00	0.00
212331_at	RBL2	retinoblastoma-li	0.24	-2.04	0.00	0.00
51228_at	RBM12B	RNA binding mo	0.20	-2.33	0.00	0.00
212027_at	RBM25	RNA binding mo	0.32	-1.64	0.00	0.00
219754_at	RBM41	RNA binding mo	0.24	-2.04	0.00	0.00
209936_at	RBM5	RNA binding mo	0.32	-1.64	0.00	0.00
217856_at	RBM8A	RNA binding mo	0.26	-1.97	0.00	0.00
203423_at	RBP1	retinol binding pr	5.19	2.38	0.00	0.00
220201_at	RC3H2	ring finger and C	4.03	2.01	0.00	0.00
203498_at	RCAN2	regulator of calci	0.30	-1.73	0.00	0.00
218352_at	RCBTB1	regulator of chro	0.18	-2.47	0.00	0.00
205332_at	RCE1	RCE1 homolog,	3.32	1.73	0.00	0.00
206753_at	RDH16	retinol dehydrog	7.03	2.81	0.00	0.00
212917_x_at	RECQL	RecQ protein-lik	0.30	-1.72	0.00	0.00
205205_at	RELB	v-rel reticuloend	6.08	2.60	0.00	0.00
215201_at	REPS1	RALBP1 associ	0.11	-3.18	0.00	0.00
214409_at	RFPL3S	RFPL3 antisense	0.25	-1.98	0.00	0.00
212646_at	RFTN1	raftlin, lipid raft li	4.71	2.24	0.00	0.00
218564_at	RFWD3	ring finger and V	0.27	-1.88	0.00	0.00
218430_s_at	RFX7	regulatory factor	0.27	-1.91	0.00	0.00
216834_at	RGS1	regulator of G-pr	4.05	2.02	0.02	0.04
204316_at	RGS10	regulator of G-pr	5.73	2.52	0.00	0.00
202388_at	RGS2	regulator of G-pr	0.24	-2.04	0.00	0.00
210138_at	RGS20	regulator of G-pr	4.30	2.10	0.00	0.00
203823_at	RGS3	regulator of G-pr	3.58	1.84	0.00	0.00
219554_at	RHCG	Rh family, C glyc	100.83	6.66	0.00	0.00
212651_at	RHOBTB1	Rho-related BTB	0.27	-1.87	0.00	0.00
202975_s_at	RHOBTB3	Rho-related BTB	0.18	-2.52	0.00	0.00
202976_s_at	RHOBTB3	Rho-related BTB	0.07	-3.84	0.00	0.00
31846_at	RHOD	ras homolog gen	7.26	2.86	0.00	0.00
218323_at	RHOT1	ras homolog gen	0.18	-2.50	0.00	0.00
222148_s_at	RHOT1	ras homolog gen	0.17	-2.53	0.00	0.00
205414_s_at	RICH2	Rho-type GTPas	0.28	-1.84	0.00	0.00
214700_x_at	RIF1	RAP1 interactin	0.19	-2.39	0.00	0.00
206137_at	RIMS2	regulating synap	3.31	1.73	0.00	0.00
218598_at	RINT1	RAD50 interacto	0.23	-2.10	0.00	0.00
205158_at	RNASE4	ribonuclease, RN	0.33	-1.62	0.00	0.00
213566_at	RNASE6	ribonuclease, RN	4.84	2.28	0.00	0.00
203022_at	RNASEH2A	ribonuclease H2	4.83	2.27	0.00	0.00
210056_at	RND1	Rho family GTPe	5.20	2.38	0.00	0.00

200868_s_at	RNF114	ring finger protei	4.25	2.09	0.00	0.00
221063_x_at	RNF123	ring finger protei	3.85	1.94	0.00	0.00
207735_at	RNF125	ring finger protei	0.08	-3.65	0.00	0.00
219263_at	RNF128	ring finger protei	0.26	-1.93	0.02	0.03
219104_at	RNF141	ring finger protei	3.11	1.64	0.00	0.00
220985_s_at	RNF170	ring finger protei	0.19	-2.41	0.00	0.00
211387_x_at	RNGTT	RNA guanylyltra	0.28	-1.82	0.00	0.00
214697_s_at	ROD1	ROD1 regulator	3.10	1.63	0.02	0.03
218394_at	ROGDI	rogdi homolog (L	7.61	2.93	0.00	0.00
210479_s_at	RORA	RAR-related orp	0.09	-3.46	0.00	0.00
210426_x_at	RORA	RAR-related orp	0.09	-3.48	0.00	0.00
220436_at	RP11-138L21.1	similar to cell rec	0.21	-2.23	0.00	0.00
205191_at	RP2	retinitis pigmentc	0.13	-2.90	0.00	0.00
218499_at	RP6-213H19.1	serine/threonine	0.28	-1.83	0.00	0.00
207624_s_at	RPGR	retinitis pigmentc	0.23	-2.14	0.00	0.00
213959_s_at	RPGRIP1L	RPGRIP1-like	0.32	-1.65	0.00	0.00
213223_at	RPL28	ribosomal protei	3.88	1.96	0.00	0.00
214041_x_at	RPL37A	ribosomal protei	0.25	-2.02	0.01	0.01
221943_x_at	RPL38	ribosomal protei	0.30	-1.72	0.00	0.00
219143_s_at	RPP25	ribonuclease P/l	3.26	1.70	0.00	0.00
217723_x_at	RPS12	ribosomal protei	4.01	2.01	0.00	0.00
203379_at	RPS6KA1	ribosomal protei	3.01	1.59	0.00	0.00
204632_at	RPS6KA4	ribosomal protei	3.53	1.82	0.00	0.00
204633_s_at	RPS6KA5	ribosomal protei	0.28	-1.86	0.00	0.00
204635_at	RPS6KA5	ribosomal protei	0.24	-2.09	0.00	0.00
213098_at	RQCD1	RCD1 required f	3.56	1.83	0.00	0.00
221524_s_at	RRAGD	Ras-related GTF	0.21	-2.25	0.00	0.00
221523_s_at	RRAGD	Ras-related GTF	0.12	-3.01	0.00	0.00
212590_at	RRAS2	related RAS vira	11.77	3.56	0.00	0.00
212589_at	RRAS2	related RAS vira	3.33	1.73	0.00	0.00
201206_s_at	RRBP1	ribosome binding	6.52	2.71	0.00	0.00
218758_s_at	RRP1	ribosomal RNA r	4.00	2.00	0.00	0.00
214764_at	RRP15	ribosomal RNA r	0.22	-2.16	0.00	0.00
33307_at	RRP7A	ribosomal RNA r	3.17	1.67	0.00	0.00
213694_at	RSBN1	round spermatid	0.33	-1.59	0.00	0.00
218166_s_at	RSF1	remodeling and :	0.23	-2.11	0.00	0.00
203485_at	RTN1	reticulon 1	0.21	-2.23	0.00	0.00
210222_s_at	RTN1	reticulon 1	0.18	-2.52	0.00	0.00
34408_at	RTN2	reticulon 2	3.19	1.67	0.00	0.00
219684_at	RTP4	receptor (chemo	6.90	2.79	0.00	0.00
210251_s_at	RUFY3	RUN and FYVE	0.22	-2.22	0.00	0.00
213430_at	RUFY3	RUN and FYVE	0.16	-2.62	0.00	0.00
203724_s_at	RUFY3	RUN and FYVE	0.12	-3.05	0.00	0.00
213939_s_at	RUFY3	RUN and FYVE	0.09	-3.44	0.00	0.00
215321_at	RUND3B	RUN domain cor	0.11	-3.16	0.00	0.00
209360_s_at	RUNX1	runt-related trans	24.26	4.60	0.00	0.00
200660_at	S100A11	S100 calcium bir	3.40	1.77	0.00	0.00
205863_at	S100A12	S100 calcium bir	71.58	6.16	0.00	0.00

202598_at	S100A13	S100 calcium bir	3.13	1.65	0.00	0.00
204268_at	S100A2	S100 calcium bir	6.70	2.75	0.00	0.00
206027_at	S100A3	S100 calcium bir	6.42	2.68	0.00	0.00
217728_at	S100A6	S100 calcium bir	6.35	2.67	0.00	0.00
205916_at	S100A7	S100 calcium bir	90.38	6.50	0.00	0.00
202917_s_at	S100A8	S100 calcium bir	197.39	7.63	0.00	0.00
214370_at	S100A8	S100 calcium bir	6.48	2.70	0.00	0.00
203535_at	S100A9	S100 calcium bir	803.72	9.65	0.00	0.00
204351_at	S100P	S100 calcium bir	33.19	5.05	0.00	0.00
204642_at	S1PR1	sphingosine-1-pl	0.31	-1.69	0.00	0.00
213635_s_at	SAFB	scaffold attachm	0.31	-1.70	0.00	0.00
213283_s_at	SALL2	sal-like 2 (Droso	0.30	-1.76	0.00	0.00
219691_at	SAMD9	sterile alpha mot	3.68	1.88	0.00	0.00
204900_x_at	SAP30	Sin3A-associate	0.30	-1.72	0.00	0.00
201543_s_at	SAR1A	SAR1 homolog /	3.59	1.84	0.00	0.00
213257_at	SARM1	sterile alpha and	0.31	-1.68	0.00	0.00
214997_at	SCAI	suppressor of ca	0.31	-1.69	0.00	0.00
212417_at	SCAMP1	secretory carrier	0.30	-1.76	0.00	0.00
215754_at	SCARB2	scavenger recep	0.27	-1.90	0.00	0.00
206995_x_at	SCARF1	scavenger recep	0.31	-1.67	0.00	0.00
201826_s_at	SCCPDH	saccharopine de	0.26	-1.96	0.00	0.00
200831_s_at	SCD	stearoyl-CoA de:	5.44	2.44	0.00	0.00
211708_s_at	SCD	stearoyl-CoA de:	4.13	2.05	0.00	0.00
206884_s_at	SCEL	sciellin	0.12	-3.12	0.00	0.00
215548_s_at	SCFD1	sec1 family dom	0.30	-1.73	0.00	0.00
203889_at	SCG5	secretogranin V	6.19	2.63	0.00	0.00
204030_s_at	SCHIP1	schwannomin inl	3.12	1.64	0.00	0.00
218793_s_at	SCML1	sex comb on mic	0.15	-2.77	0.00	0.00
215026_x_at	SCNN1A	sodium channel,	3.85	1.95	0.00	0.00
205241_at	SCO2	SCO cytochrom	5.92	2.57	0.00	0.00
219197_s_at	SCUBE2	signal peptide, C	0.25	-1.97	0.00	0.00
218681_s_at	SDF2L1	stromal cell-deriv	3.43	1.78	0.00	0.00
205695_at	SDS	serine dehydrata	4.60	2.20	0.00	0.00
204541_at	SEC14L2	SEC14-like 2 (S.	4.36	2.12	0.00	0.00
215009_s_at	SEC31A	SEC31 homolog	0.27	-1.92	0.00	0.00
212450_at	SECISBP2L	SECIS binding p	0.20	-2.32	0.00	0.00
213716_s_at	SECTM1	secreted and tra	4.50	2.17	0.00	0.00
209880_s_at	SELPLG	selectin P ligand	4.07	2.02	0.00	0.00
203789_s_at	SEMA3C	sema domain, in	3.90	1.96	0.01	0.01
203528_at	SEMA4D	sema domain, in	0.32	-1.64	0.00	0.00
208100_x_at	SEMA6C	sema domain, tr	4.42	2.14	0.00	0.00
218122_s_at	SENP2	SUMO1/sentrin/	4.70	2.23	0.00	0.00
215114_at	SENP3	SUMO1/sentrin/	0.29	-1.80	0.00	0.00
202319_at	SENP6	SUMO1/sentrin :	0.24	-2.06	0.00	0.00
214790_at	SENP6	SUMO1/sentrin :	0.08	-3.70	0.00	0.00
217977_at	SEPX1	selenoprotein X,	3.32	1.73	0.00	0.00
210076_x_at	SERBP1	SERPINE1 mRN	3.40	1.77	0.00	0.00
200971_s_at	SERP1	stress-associate	3.18	1.67	0.00	0.00

202376_at	SERPINA3	serpin peptidase	66.07	6.05	0.00	0.00
212268_at	SERPINB1	serpin peptidase	10.29	3.36	0.00	0.00
213572_s_at	SERPINB1	serpin peptidase	8.08	3.02	0.00	0.00
209719_x_at	SERPINB3	serpin peptidase	51.63	5.69	0.00	0.00
209720_s_at	SERPINB3	serpin peptidase	32.54	5.02	0.00	0.00
211906_s_at	SERPINB4	serpin peptidase	107.54	6.75	0.00	0.00
209723_at	SERPINB9	serpin peptidase	5.39	2.43	0.00	0.00
202628_s_at	SERPINE1	serpin peptidase	10.42	3.38	0.00	0.00
202627_s_at	SERPINE1	serpin peptidase	6.45	2.69	0.00	0.00
212190_at	SERPINE2	serpin peptidase	25.61	4.68	0.00	0.00
200986_at	SERPING1	serpin peptidase	5.35	2.42	0.00	0.00
207714_s_at	SERPINH1	serpin peptidase	5.10	2.35	0.00	0.00
218346_s_at	SESN1	sestrin 1	0.26	-1.94	0.00	0.00
220946_s_at	SETD2	SET domain con	0.28	-1.83	0.00	0.00
215038_s_at	SETD2	SET domain con	0.23	-2.14	0.00	0.00
221806_s_at	SETD5	SET domain con	0.32	-1.66	0.00	0.00
219751_at	SETD6	SET domain con	0.33	-1.62	0.00	0.00
216047_x_at	SEZ6L	seizure related 6	3.52	1.82	0.00	0.00
210172_at	SF1	splicing factor 1	0.23	-2.10	0.00	0.00
221768_at	SFPQ	splicing factor pr	0.27	-1.88	0.00	0.00
214016_s_at	SFPQ	splicing factor pr	0.27	-1.91	0.00	0.00
202037_s_at	SFRP1	secreted frizzled	5.07	2.34	0.00	0.00
202036_s_at	SFRP1	secreted frizzled	4.67	2.22	0.00	0.00
207468_s_at	SFRP5	secreted frizzled	3.68	1.88	0.00	0.00
208863_s_at	SFRS1	splicing factor, a	0.26	-1.96	0.00	0.00
213742_at	SFRS11	splicing factor, a	0.23	-2.12	0.00	0.00
217608_at	SFRS12IP1	SFRS12-interact	0.13	-2.91	0.00	0.00
222311_s_at	SFRS15	splicing factor, a	0.27	-1.89	0.00	0.00
222310_at	SFRS15	splicing factor, a	0.13	-2.99	0.00	0.00
212179_at	SFRS18	splicing factor, a	0.24	-2.08	0.00	0.00
202774_s_at	SFRS8	splicing factor, a	0.27	-1.90	0.00	0.00
214838_at	SFT2D2	SFT2 domain co	3.69	1.89	0.00	0.00
211735_x_at	SFTPC	surfactant protei	3.17	1.66	0.00	0.00
214199_at	SFTPD	surfactant protei	0.21	-2.24	0.00	0.00
207302_at	SGCG	sarcoglycan, gar	0.30	-1.74	0.00	0.00
217538_at	SGSM2	small G protein ε	0.26	-1.96	0.00	0.00
207351_s_at	SH2D2A	SH2 domain pro	5.12	2.36	0.00	0.00
221269_s_at	SH3BGRL3	SH3 domain bin	4.94	2.30	0.00	0.00
217257_at	SH3BP2	SH3-domain bin	0.11	-3.14	0.00	0.00
205637_s_at	SH3GL3	SH3-domain GR	7.95	2.99	0.00	0.00
219256_s_at	SH3TC1	SH3 domain anc	4.38	2.13	0.00	0.00
204019_s_at	SH3YL1	SH3 domain con	0.24	-2.08	0.00	0.00
204657_s_at	SHB	Src homology 2	4.29	2.10	0.00	0.00
204967_at	SHROOM2	shroom family m	4.09	2.03	0.00	0.00
216537_s_at	SIGLEC7	sialic acid bindin	4.27	2.09	0.00	0.00
213221_s_at	SIK2	salt-inducible kin	0.25	-1.99	0.00	0.00
221705_s_at	SIKE1	suppressor of IK	0.18	-2.47	0.00	0.00
205063_at	SIP1	survival of motor	0.19	-2.43	0.00	0.00

202254_at	SIPA1L1	signal-induced p	0.32	-1.64	0.00	0.00
37831_at	SIPA1L3	signal-induced p	5.06	2.34	0.00	0.00
202897_at	SIRPA	signal-regulatory	4.20	2.07	0.00	0.00
202896_s_at	SIRPA	signal-regulatory	3.23	1.69	0.00	0.00
218878_s_at	SIRT1	sirtuin (silent ma	0.23	-2.15	0.00	0.00
49327_at	SIRT3	sirtuin (silent ma	6.52	2.71	0.00	0.00
220047_at	SIRT4	sirtuin (silent ma	0.25	-2.03	0.00	0.00
219613_s_at	SIRT6	sirtuin (silent ma	4.17	2.06	0.00	0.00
219874_at	SLC12A8	solute carrier fan	10.07	3.33	0.00	0.00
205243_at	SLC13A3	solute carrier fan	6.38	2.67	0.00	0.00
202234_s_at	SLC16A1	solute carrier fan	7.74	2.95	0.00	0.00
209900_s_at	SLC16A1	solute carrier fan	6.36	2.67	0.00	0.00
202235_at	SLC16A1	solute carrier fan	5.21	2.38	0.00	0.00
202236_s_at	SLC16A1	solute carrier fan	3.51	1.81	0.00	0.00
219915_s_at	SLC16A10	solute carrier fan	0.09	-3.45	0.00	0.00
210807_s_at	SLC16A7	solute carrier fan	0.23	-2.12	0.00	0.00
207057_at	SLC16A7	solute carrier fan	0.03	-5.20	0.00	0.00
209681_at	SLC19A2	solute carrier fan	0.23	-2.15	0.00	0.00
205421_at	SLC22A3	solute carrier fan	0.32	-1.63	0.00	0.00
205896_at	SLC22A4	solute carrier fan	3.43	1.78	0.00	0.00
209237_s_at	SLC23A2	solute carrier fan	3.84	1.94	0.00	0.00
201918_at	SLC25A36	solute carrier fan	0.26	-1.97	0.00	0.00
212683_at	SLC25A44	solute carrier fan	0.29	-1.81	0.00	0.00
219344_at	SLC29A3	solute carrier fan	5.83	2.54	0.00	0.00
201249_at	SLC2A1	solute carrier fan	10.12	3.34	0.00	0.00
221751_at	SLC2A3P1	solute carrier fan	0.22	-2.16	0.00	0.00
218985_at	SLC2A8	solute carrier fan	3.35	1.74	0.00	0.00
219991_at	SLC2A9	solute carrier fan	12.67	3.66	0.00	0.00
207035_at	SLC30A3	solute carrier fan	6.61	2.72	0.00	0.00
206770_s_at	SLC35A3	solute carrier fan	0.31	-1.69	0.00	0.00
209865_at	SLC35A3	solute carrier fan	0.24	-2.07	0.00	0.00
218485_s_at	SLC35C1	solute carrier fan	3.87	1.95	0.00	0.00
213083_at	SLC35D2	solute carrier fan	3.24	1.69	0.00	0.00
218928_s_at	SLC37A1	solute carrier fan	0.26	-1.96	0.00	0.00
212110_at	SLC39A14	solute carrier fan	3.23	1.69	0.00	0.00
219175_s_at	SLC41A3	solute carrier fan	4.46	2.16	0.00	0.00
204394_at	SLC43A1	solute carrier fan	0.33	-1.61	0.00	0.00
222364_at	SLC44A1	solute carrier fan	0.15	-2.79	0.00	0.00
219525_at	SLC47A1	solute carrier fan	0.04	-4.53	0.00	0.00
207771_at	SLC5A2	solute carrier fan	3.37	1.75	0.00	0.00
213164_at	SLC5A3	solute carrier fan	0.29	-1.76	0.00	0.00
211123_at	SLC5A5	solute carrier fan	4.50	2.17	0.00	0.00
204087_s_at	SLC5A6	solute carrier fan	3.59	1.84	0.00	0.00
201195_s_at	SLC7A5	solute carrier fan	3.09	1.63	0.00	0.00
216604_s_at	SLC7A8	solute carrier fan	4.31	2.11	0.00	0.00
202752_x_at	SLC7A8	solute carrier fan	3.69	1.88	0.00	0.00
208015_at	SMAD1	SMAD family me	0.13	-2.98	0.00	0.00
205398_s_at	SMAD3	SMAD family me	4.48	2.16	0.00	0.00

202527_s_at	SMAD4	SMAD family me	0.24	-2.04	0.00	0.00
205187_at	SMAD5	SMAD family me	0.05	-4.21	0.00	0.00
206544_x_at	SMARCA2	SWI/SNF relatec	0.33	-1.60	0.00	0.00
206542_s_at	SMARCA2	SWI/SNF relatec	0.12	-3.05	0.00	0.00
208793_x_at	SMARCA4	SWI/SNF relatec	3.76	1.91	0.00	0.00
201321_s_at	SMARCC2	SWI/SNF relatec	0.32	-1.63	0.00	0.00
209257_s_at	SMC3	structural mainte	0.30	-1.76	0.00	0.00
212569_at	SMCHD1	structural mainte	0.32	-1.65	0.00	0.00
212579_at	SMCHD1	structural mainte	0.16	-2.66	0.00	0.00
220368_s_at	SMEK1	SMEK homolog	0.14	-2.85	0.00	0.00
222270_at	SMEK2	SMEK homolog	0.13	-3.00	0.00	0.00
210057_at	SMG1	SMG1 homolog,	0.07	-3.77	0.00	0.00
219695_at	SMPD3	sphingomyelin p	4.22	2.08	0.00	0.00
213624_at	SMPDL3A	sphingomyelin p	0.16	-2.68	0.00	0.00
212921_at	SMYD2	SET and MYND	0.21	-2.25	0.00	0.00
204104_at	SNAPC2	small nuclear RN	3.82	1.93	0.00	0.00
222286_at	SNAPC3	small nuclear RN	0.15	-2.73	0.00	0.00
209481_at	SNRK	SNF related kina	0.19	-2.43	0.00	0.00
207474_at	SNRK	SNF related kina	0.16	-2.64	0.00	0.00
218404_at	SNX10	sorting nexin 10	3.13	1.65	0.01	0.02
53912_at	SNX11	sorting nexin 11	4.33	2.11	0.00	0.00
220140_s_at	SNX11	sorting nexin 11	3.68	1.88	0.00	0.00
219793_at	SNX16	sorting nexin 16	0.17	-2.55	0.00	0.00
221498_at	SNX27	sorting nexin fan	0.25	-2.03	0.00	0.00
203373_at	SOCS2	suppressor of cy	5.04	2.33	0.00	0.00
215223_s_at	SOD2	superoxide dism	3.21	1.68	0.00	0.00
204275_at	SOLH	small optic lobes	0.30	-1.72	0.00	0.00
218087_s_at	SORBS1	sorbin and SH3 r	0.05	-4.31	0.00	0.00
212560_at	SORL1	sortilin-related re	3.19	1.67	0.00	0.00
212807_s_at	SORT1	sortilin 1	3.41	1.77	0.00	0.00
209843_s_at	SOX10	SRY (sex determ	3.31	1.73	0.00	0.00
201416_at	SOX4	SRY (sex determ	3.33	1.74	0.00	0.00
202936_s_at	SOX9	SRY (sex determ	10.33	3.37	0.00	0.00
202935_s_at	SOX9	SRY (sex determ	4.30	2.11	0.00	0.00
208012_x_at	SP110	SP110 nuclear b	4.72	2.24	0.00	0.00
214791_at	SP140L	SP140 nuclear b	4.80	2.26	0.00	0.00
213168_at	SP3	Sp3 transcription	0.27	-1.90	0.00	0.00
210117_at	SPAG1	sperm associate	0.31	-1.68	0.01	0.01
219109_at	SPAG16	sperm associate	0.29	-1.80	0.00	0.00
200665_s_at	SPARC	secreted protein,	5.74	2.52	0.00	0.00
204433_s_at	SPATA2	spermatogenesis:	3.67	1.88	0.00	0.00
215694_at	SPATA5L1	spermatogenesis:	0.28	-1.85	0.00	0.00
220298_s_at	SPATA6	spermatogenesis:	0.19	-2.40	0.00	0.00
219583_s_at	SPATA7	spermatogenesis:	0.15	-2.70	0.00	0.00
213442_x_at	SPDEF	SAM pointed dor	7.40	2.89	0.00	0.00
213441_x_at	SPDEF	SAM pointed dor	6.49	2.70	0.00	0.00
220192_x_at	SPDEF	SAM pointed dor	5.50	2.46	0.00	0.00
214404_x_at	SPDEF	SAM pointed dor	4.44	2.15	0.00	0.00

212526_at	SPG20	spastic parapleg	0.18	-2.48	0.00	0.00
209857_s_at	SPHK2	sphingosine kina	3.35	1.74	0.00	0.00
217813_s_at	SPIN1	spindlin 1	0.21	-2.25	0.00	0.00
206239_s_at	SPINK1	serine peptidase	0.18	-2.51	0.00	0.00
206057_x_at	SPN	sialophorin	3.75	1.91	0.00	0.00
202523_s_at	SPOCK2	sparc/osteonecti	4.89	2.29	0.00	0.00
208927_at	SPOP	speckle-type PO	0.32	-1.65	0.00	0.00
209875_s_at	SPP1	secreted phosph	8.76	3.13	0.00	0.00
203458_at	SPR	sepiapterin redu	7.82	2.97	0.00	0.00
214549_x_at	SPRR1A	small proline-ric	31.23	4.97	0.00	0.00
213796_at	SPRR1A	small proline-ric	18.08	4.18	0.00	0.00
220664_at	SPRR2C	small proline-ric	9.43	3.24	0.00	0.00
218990_s_at	SPRR3	small proline-ric	9.21	3.20	0.00	0.00
212558_at	SPRY1	sprouty homolog	0.21	-2.27	0.00	0.00
221489_s_at	SPRY4	sprouty homolog	5.99	2.58	0.00	0.00
214925_s_at	SPTAN1	spectrin, alpha, r	0.13	-3.00	0.00	0.00
214145_s_at	SPTB	spectrin, beta, er	3.18	1.67	0.00	0.00
220185_at	SPTBN4	spectrin, beta, nr	4.89	2.29	0.00	0.00
220456_at	SPTLC3	serine palmitoylt	0.11	-3.17	0.00	0.00
217995_at	SQRDL	sulfide quinone r	3.60	1.85	0.00	0.00
212061_at	SR140	U2-associated S	0.25	-2.00	0.00	0.00
38766_at	SRCAP	Snf2-related CRI	4.09	2.03	0.00	0.00
210959_s_at	SRD5A1	steroid-5-alpha-r	3.26	1.71	0.00	0.00
218800_at	SRD5A3	steroid 5 alpha-r	0.26	-1.96	0.00	0.00
201248_s_at	SREBF2	sterol regulatory	3.02	1.59	0.00	0.00
213329_at	SRGAP2	SLIT-ROBO Rho	0.12	-3.03	0.00	0.00
201859_at	SRGN	serglycin	12.12	3.60	0.00	0.00
208921_s_at	SRI	sorcini	3.46	1.79	0.00	0.00
219205_at	SRR	serine racemase	3.11	1.64	0.00	0.00
202817_s_at	SS18	synovial sarcoma	0.21	-2.27	0.00	0.00
201138_s_at	SSB	Sjogren syndrom	0.33	-1.60	0.00	0.00
202506_at	SSFA2	sperm specific a	0.32	-1.63	0.00	0.00
219241_x_at	SSH3	slingshot homolo	3.55	1.83	0.00	0.00
203114_at	SSSCA1	Sjogren syndrom	5.03	2.33	0.00	0.00
217650_x_at	ST3GAL2	ST3 beta-galact	0.30	-1.75	0.00	0.00
202440_s_at	ST5	suppression of t	5.13	2.36	0.00	0.00
38487_at	STAB1	stabilin 1	3.05	1.61	0.00	0.00
209023_s_at	STAG2	stromal antigen ;	0.17	-2.60	0.00	0.00
221191_at	STAG3L1	stromal antigen ;	0.25	-2.02	0.00	0.00
204548_at	STAR	steroidogenic ac	0.23	-2.11	0.00	0.00
200887_s_at	STAT1	signal transduce	3.84	1.94	0.00	0.00
208992_s_at	STAT3	signal transduce	5.98	2.58	0.00	0.00
208991_at	STAT3	signal transduce	3.45	1.79	0.00	0.00
218424_s_at	STEAP3	STEAP family m	4.10	2.04	0.00	0.00
41657_at	STK11	serine/threonine	6.33	2.66	0.00	0.00
202693_s_at	STK17A	serine/threonine	3.20	1.68	0.00	0.00
211085_s_at	STK4	serine/threonine	0.27	-1.87	0.00	0.00
204701_s_at	STOML1	stomatin (EPB72	3.59	1.84	0.00	0.00

33736_at	STOML1	stomatin (EPB72	3.24	1.70	0.00	0.00
221701_s_at	STRA6	stimulated by ret	4.20	2.07	0.00	0.00
221500_s_at	STX16	syntaxin 16	0.28	-1.82	0.00	0.00
203457_at	STX7	syntaxin 7	0.29	-1.77	0.00	0.00
203310_at	STXBP3	syntaxin binding	0.30	-1.74	0.00	0.00
220994_s_at	STXBP6	syntaxin binding	0.15	-2.74	0.00	0.00
219425_at	SULT4A1	sulfotransferase	4.05	2.02	0.00	0.00
206506_s_at	SUPT3H	suppressor of Ty	3.33	1.74	0.00	0.00
201483_s_at	SUPT4H1	suppressor of Ty	3.34	1.74	0.00	0.00
219389_at	SUSD4	sushi domain co	7.31	2.87	0.00	0.00
217704_x_at	SUZ12P	suppressor of ze	0.33	-1.60	0.00	0.00
209306_s_at	SWAP70	SWAP switching	0.30	-1.76	0.00	0.00
216272_x_at	SYDE1	synapse defectiv	4.15	2.05	0.00	0.00
44702_at	SYDE1	synapse defectiv	3.49	1.80	0.00	0.00
209025_s_at	SYNCRIP	synaptotagmin b	3.23	1.69	0.00	0.00
209447_at	SYNE1	spectrin repeat c	0.06	-4.05	0.00	0.00
202761_s_at	SYNE2	spectrin repeat c	0.15	-2.77	0.00	0.00
204287_at	SYNGR1	synaptogyrin 1	0.31	-1.68	0.00	0.00
202796_at	SYNPO	synaptopodin	5.71	2.51	0.00	0.00
215865_at	SYT12	synaptotagmin X	6.51	2.70	0.00	0.00
205613_at	SYT17	synaptotagmin X	0.24	-2.04	0.00	0.00
206552_s_at	TAC1	tachykinin, precu	0.17	-2.54	0.00	0.00
211382_s_at	TACC2	transforming, aci	0.33	-1.59	0.00	0.00
202289_s_at	TACC2	transforming, aci	0.26	-1.93	0.00	0.00
214690_at	TAF1B	TATA box bindin	0.24	-2.07	0.00	0.00
221617_at	TAF9B	TAF9B RNA pol	0.18	-2.51	0.00	0.00
210978_s_at	TAGLN2	transgelin 2	3.70	1.89	0.00	0.00
204769_s_at	TAP2	transporter 2, AT	6.68	2.74	0.00	0.00
221264_s_at	TARDBP	TAR DNA bindin	0.14	-2.89	0.00	0.00
213786_at	TAX1BP1	Tax1 (human T-c	0.31	-1.70	0.00	0.00
212350_at	TBC1D1	TBC1 (tre-2/USF	4.54	2.18	0.00	0.00
203386_at	TBC1D4	TBC1 domain fa	0.20	-2.32	0.00	0.00
204526_s_at	TBC1D8	TBC1 domain fa	0.20	-2.32	0.00	0.00
220789_s_at	TBRG4	transforming gro	3.29	1.72	0.00	0.00
219682_s_at	TBX3	T-box 3	0.27	-1.88	0.00	0.00
212382_at	TCF4	transcription fact	0.31	-1.71	0.00	0.00
203753_at	TCF4	transcription fact	0.29	-1.77	0.00	0.00
222146_s_at	TCF4	transcription fact	0.27	-1.88	0.00	0.00
212762_s_at	TCF7L2	transcription fact	0.17	-2.53	0.00	0.00
204849_at	TCFL5	transcription fact	0.30	-1.73	0.00	0.00
213780_at	TCHH	trichohyalin	6.73	2.75	0.00	0.00
204158_s_at	TCIRG1	T-cell, immune ri	5.56	2.48	0.00	0.00
205513_at	TCN1	transcobalamin I	30.82	4.95	0.00	0.00
204043_at	TCN2	transcobalamin I	3.20	1.68	0.00	0.00
205797_s_at	TCP11L1	t-complex 11 (mi	3.80	1.93	0.00	0.00
205796_at	TCP11L1	t-complex 11 (mi	3.24	1.70	0.00	0.00
218584_at	TCTN1	tectonic family m	3.17	1.66	0.00	0.00
205943_at	TDO2	tryptophan 2,3-d	4.04	2.02	0.01	0.01

219715_s_at	TDP1	tyrosyl-DNA pho	3.74	1.90	0.00	0.00
208089_s_at	TDRD3	tudor domain coi	0.19	-2.40	0.00	0.00
212084_at	TEX261	testis expressed	4.15	2.05	0.00	0.00
212083_at	TEX261	testis expressed	3.23	1.69	0.00	0.00
204654_s_at	TFAP2A	transcription fact	0.13	-2.95	0.00	0.00
214451_at	TFAP2B	transcription fact	0.07	-3.80	0.00	0.00
205688_at	TFAP4	transcription fact	3.06	1.61	0.00	0.00
219735_s_at	TFCP2L1	transcription fact	3.67	1.88	0.00	0.00
204731_at	TGFBR3	transforming gro	0.15	-2.74	0.00	0.00
206008_at	TGM1	transglutaminase	6.25	2.64	0.00	0.00
206004_at	TGM3	transglutaminase	0.21	-2.24	0.00	0.00
222122_s_at	THOC2	THO complex 2	0.32	-1.63	0.00	0.00
1316_at	THRA	thyroid hormone	0.28	-1.85	0.00	0.00
206555_s_at	THUMPD1	THUMP domain	0.31	-1.68	0.00	0.00
218408_at	TIMM10	translocase of in	3.40	1.76	0.00	0.00
201666_at	TIMP1	TIMP metallopro	4.02	2.01	0.00	0.00
201148_s_at	TIMP3	TIMP metallopro	12.32	3.62	0.00	0.00
203222_s_at	TLE1	transducin-like e	0.19	-2.43	0.00	0.00
40837_at	TLE2	transducin-like e	0.33	-1.59	0.01	0.01
216997_x_at	TLE4	transducin-like e	0.30	-1.72	0.00	0.00
204924_at	TLR2	toll-like receptor	4.37	2.13	0.00	0.00
206271_at	TLR3	toll-like receptor	0.33	-1.60	0.00	0.00
213882_at	TM2D1	TM2 domain con	0.17	-2.57	0.00	0.00
209387_s_at	TM4SF1	transmembrane	23.17	4.53	0.00	0.00
215034_s_at	TM4SF1	transmembrane	18.49	4.21	0.00	0.00
209386_at	TM4SF1	transmembrane	10.58	3.40	0.00	0.00
219892_at	TM6SF1	transmembrane	0.32	-1.65	0.00	0.00
217974_at	TM7SF3	transmembrane	0.21	-2.23	0.00	0.00
200803_s_at	TMBIM6	transmembrane	3.94	1.98	0.00	0.00
219580_s_at	TMC5	transmembrane	0.25	-2.01	0.00	0.00
203679_at	TMED1	transmembrane	3.11	1.64	0.00	0.00
200929_at	TMED10	transmembrane	5.02	2.33	0.00	0.00
220097_s_at	TMEM104	transmembrane	3.01	1.59	0.00	0.00
218930_s_at	TMEM106B	transmembrane	0.32	-1.63	0.00	0.00
215250_at	TMEM111	transmembrane	0.31	-1.69	0.00	0.00
218834_s_at	TMEM132A	transmembrane	13.59	3.77	0.00	0.00
218477_at	TMEM14A	transmembrane	3.32	1.73	0.00	0.00
213272_s_at	TMEM159	transmembrane	0.23	-2.10	0.00	0.00
218745_x_at	TMEM161A	transmembrane	8.61	3.11	0.00	0.00
219253_at	TMEM185B	transmembrane	3.10	1.63	0.00	0.00
217016_x_at	TMEM212	transmembrane	0.31	-1.69	0.00	0.00
221512_at	TMEM222	transmembrane	4.11	2.04	0.00	0.00
52078_at	TMEM222	transmembrane	3.22	1.69	0.00	0.00
209656_s_at	TMEM47	transmembrane	0.30	-1.73	0.00	0.00
219462_at	TMEM53	transmembrane	3.48	1.80	0.00	0.00
221255_s_at	TMEM93	transmembrane	3.32	1.73	0.00	0.00
213024_at	TMF1	TATA element rr	0.20	-2.30	0.00	0.00
207602_at	TMPRSS11D	transmembrane	19.38	4.28	0.00	0.00

218960_at	TMPRSS4	transmembrane	7.40	2.89	0.00	0.00
221032_s_at	TMPRSS5	transmembrane	5.37	2.43	0.00	0.00
214955_at	TMPRSS6	transmembrane	3.41	1.77	0.00	0.00
217733_s_at	TMSB10	thymosin beta 10	4.77	2.26	0.00	0.00
201645_at	TNC	tenascin C	15.70	3.97	0.00	0.00
201207_at	TNFAIP1	tumor necrosis factor	3.14	1.65	0.00	0.00
201208_s_at	TNFAIP1	tumor necrosis factor	3.12	1.64	0.00	0.00
209295_at	TNFRSF10B	tumor necrosis factor	3.17	1.66	0.00	0.00
218368_s_at	TNFRSF12A	tumor necrosis factor	9.24	3.21	0.00	0.00
203508_at	TNFRSF1B	tumor necrosis factor	4.44	2.15	0.00	0.00
218856_at	TNFRSF21	tumor necrosis factor	39.73	5.31	0.00	0.00
214581_x_at	TNFRSF21	tumor necrosis factor	3.38	1.76	0.00	0.00
219423_x_at	TNFRSF25	tumor necrosis factor	0.31	-1.70	0.00	0.00
211841_s_at	TNFRSF25	tumor necrosis factor	0.25	-2.03	0.00	0.00
202688_at	TNFSF10	tumor necrosis factor	3.92	1.97	0.00	0.00
202687_s_at	TNFSF10	tumor necrosis factor	3.11	1.64	0.00	0.00
218335_x_at	TNIP2	TNFAIP3 interacting	3.17	1.67	0.00	0.00
218228_s_at	TNKS2	tankyrase, TRF1	0.32	-1.65	0.00	0.00
206393_at	TNNI2	troponin I type 2	0.11	-3.19	0.00	0.00
213201_s_at	TNNT1	troponin T type 1	0.30	-1.72	0.00	0.00
215389_s_at	TNNT2	troponin T type 2	0.12	-3.06	0.00	0.00
206817_x_at	TNRC4	trinucleotide repeat	5.27	2.40	0.00	0.00
217853_at	TNS3	tensin 3	4.08	2.03	0.00	0.00
217413_s_at	TNXB	tenascin XB	3.17	1.67	0.00	0.00
208609_s_at	TNXB	tenascin XB	0.27	-1.90	0.00	0.00
221496_s_at	TOB2	transducer of ER	0.30	-1.73	0.00	0.00
202807_s_at	TOM1	target of myb1 (c	3.74	1.90	0.00	0.00
214840_at	TOM1L2	target of myb1-lil	4.64	2.21	0.00	0.00
217960_s_at	TOMM22	translocase of outer	4.37	2.13	0.00	0.00
201512_s_at	TOMM70A	translocase of outer	3.32	1.73	0.00	0.00
204071_s_at	TOPORS	topoisomerase I	0.30	-1.74	0.00	0.00
210609_s_at	TP53I3	tumor protein p53	5.58	2.48	0.00	0.00
201689_s_at	TPD52	tumor protein D52	0.27	-1.92	0.00	0.00
201691_s_at	TPD52	tumor protein D52	0.09	-3.54	0.00	0.00
210372_s_at	TPD52L1	tumor protein D52L1	4.46	2.16	0.00	0.00
210987_x_at	TPM1	tropomyosin 1 (alpha	7.69	2.94	0.00	0.00
210986_s_at	TPM1	tropomyosin 1 (alpha	5.65	2.50	0.00	0.00
206116_s_at	TPM1	tropomyosin 1 (alpha	3.42	1.77	0.00	0.01
209344_at	TPM4	tropomyosin 4	5.48	2.46	0.00	0.00
203375_s_at	TPP2	tripeptidyl peptidase	0.19	-2.37	0.00	0.00
218876_at	TPPP3	tubulin polymerization	0.07	-3.89	0.00	0.00
215220_s_at	TPR	translocated protein	0.07	-3.87	0.00	0.00
215382_x_at	TPSAB1	tryptase alpha/beta	3.01	1.59	0.01	0.02
204079_at	TPST2	tyrosylprotein sulf	3.21	1.68	0.00	0.00
210052_s_at	TPX2	TPX2, microtubule	3.31	1.73	0.00	0.00
213593_s_at	TRA2A	transformer 2 alpha	0.12	-3.11	0.00	0.00
210180_s_at	TRA2B	transformer 2 beta	0.28	-1.82	0.00	0.00
221807_s_at	TRABD	TraB domain containing	4.04	2.02	0.00	0.00

213888_s_at	TRAF3IP3	TRAF3 interactir	3.39	1.76	0.01	0.02
209412_at	TRAPPC10	trafficking proteir	0.33	-1.59	0.00	0.00
215269_at	TRAPPC10	trafficking proteir	0.13	-2.98	0.00	0.00
203511_s_at	TRAPPC3	trafficking proteir	3.81	1.93	0.00	0.00
56829_at	TRAPPC9	trafficking proteir	6.34	2.67	0.00	0.00
221672_s_at	TRAPPC9	trafficking proteir	3.30	1.72	0.00	0.00
219725_at	TREM2	triggering recept	4.64	2.21	0.00	0.00
213293_s_at	TRIM22	tripartite motif-cc	5.25	2.39	0.00	0.00
204732_s_at	TRIM23	tripartite motif-cc	0.20	-2.32	0.00	0.00
206911_at	TRIM25	tripartite motif-cc	3.80	1.93	0.00	0.00
212116_at	TRIM27	tripartite motif-cc	4.60	2.20	0.00	0.00
213885_at	TRIM3	tripartite motif-cc	0.30	-1.75	0.00	0.00
214815_at	TRIM33	tripartite motif-cc	0.29	-1.81	0.00	0.00
212435_at	TRIM33	tripartite motif-cc	0.13	-2.93	0.00	0.00
203610_s_at	TRIM38	tripartite motif-cc	7.07	2.82	0.00	0.00
221897_at	TRIM52	tripartite motif-cc	0.20	-2.33	0.00	0.00
210760_x_at	TRIP11	thyroid hormone	4.54	2.18	0.00	0.00
218877_s_at	TRMT11	tRNA methyltran	0.22	-2.16	0.00	0.00
205802_at	TRPC1	transient receptc	0.25	-1.99	0.00	0.00
205803_s_at	TRPC1	transient receptc	0.20	-2.32	0.00	0.00
206528_at	TRPC6	transient receptc	0.23	-2.12	0.00	0.00
206479_at	TRPM1	transient receptc	0.31	-1.69	0.01	0.01
205708_s_at	TRPM2	transient receptc	3.21	1.68	0.00	0.00
209390_at	TSC1	tuberous scleros	0.30	-1.75	0.00	0.00
203824_at	TSPAN8	tetraspanin 8	0.32	-1.64	0.00	0.00
217162_at	TSPY1	testis specific pr	3.95	1.98	0.00	0.00
212928_at	TSPYL4	TSPY-like 4	0.29	-1.79	0.00	0.00
213922_at	TTBK2	tau tubulin kinas	0.11	-3.15	0.00	0.00
219758_at	TTC26	tetratricopeptide	3.04	1.61	0.00	0.00
208663_s_at	TTC3	tetratricopeptide	0.31	-1.70	0.00	0.00
219421_at	TTC33	tetratricopeptide	0.21	-2.28	0.00	0.00
203048_s_at	TTC37	tetratricopeptide	0.33	-1.61	0.00	0.00
203049_s_at	TTC37	tetratricopeptide	0.32	-1.64	0.00	0.00
215898_at	TTLL5	tubulin tyrosine l	0.33	-1.62	0.00	0.00
201090_x_at	TUBA1B	tubulin, alpha 1b	3.62	1.86	0.00	0.00
213646_x_at	TUBA1B	tubulin, alpha 1b	3.36	1.75	0.00	0.00
216323_x_at	TUBA3D	tubulin, alpha 3d	3.32	1.73	0.00	0.00
211714_x_at	TUBB	tubulin, beta	3.95	1.98	0.00	0.00
209191_at	TUBB6	tubulin, beta 6	3.58	1.84	0.00	0.00
214876_s_at	TUBGCP5	tubulin, gamma c	0.14	-2.81	0.00	0.00
218184_at	TULP4	tubby like proteir	0.23	-2.10	0.00	0.00
203272_s_at	TUSC2	tumor suppressc	4.28	2.10	0.00	0.00
213943_at	TWIST1	twist homolog 1	0.31	-1.67	0.00	0.00
216609_at	TXN	thioredoxin	0.23	-2.10	0.00	0.00
209078_s_at	TXN2	thioredoxin 2	3.98	1.99	0.00	0.00
221253_s_at	TXNDC5	thioredoxin domi	4.50	2.17	0.00	0.00
59631_at	TXNRD3	thioredoxin redu	5.28	2.40	0.00	0.00
204858_s_at	TYMP	thymidine phosp	36.21	5.18	0.00	0.00

217497_at	TYMP	thymidine phosp	3.66	1.87	0.00	0.00
205694_at	TYRP1	tyrosinase-relate	0.03	-5.04	0.00	0.00
218382_s_at	U2AF2	U2 small nuclear	4.59	2.20	0.00	0.00
218837_s_at	UBE2D4	ubiquitin-conjuga	6.07	2.60	0.00	0.00
209041_s_at	UBE2G2	ubiquitin-conjuga	3.20	1.68	0.00	0.00
217799_x_at	UBE2H	ubiquitin-conjuga	3.80	1.93	0.00	0.00
211008_s_at	UBE2I	ubiquitin-conjuga	3.42	1.77	0.00	0.00
203109_at	UBE2M	ubiquitin-conjuga	3.87	1.95	0.00	0.00
210685_s_at	UBE4B	ubiquitination fac	0.26	-1.95	0.00	0.00
201534_s_at	UBL3	ubiquitin-like 3	0.21	-2.24	0.00	0.00
207253_s_at	UBN1	ubuclein 1	4.67	2.22	0.00	0.00
204598_at	UBOX5	U-box domain cc	3.67	1.88	0.00	0.00
208883_at	UBR5	ubiquitin protein	0.30	-1.74	0.00	0.00
212074_at	UNC84A	unc-84 homolog	0.30	-1.74	0.00	0.00
206487_at	UNC84A	unc-84 homolog	0.22	-2.17	0.00	0.00
214382_at	UNC93A	unc-93 homolog	0.26	-1.96	0.00	0.00
202330_s_at	UNG	uracil-DNA glycc	0.19	-2.43	0.00	0.00
214624_at	UPK1A	uroplakin 1A	0.21	-2.29	0.00	0.00
203234_at	UPP1	uridine phosphor	15.58	3.96	0.00	0.00
215886_x_at	USP12	ubiquitin specific	0.23	-2.11	0.00	0.00
212513_s_at	USP33	ubiquitin specific	0.31	-1.70	0.00	0.00
212980_at	USP34	ubiquitin specific	0.31	-1.68	0.00	0.00
215013_s_at	USP34	ubiquitin specific	0.26	-1.96	0.00	0.00
212065_s_at	USP34	ubiquitin specific	0.14	-2.84	0.00	0.00
222032_s_at	USP7	ubiquitin specific	0.33	-1.60	0.00	0.00
202745_at	USP8	ubiquitin specific	0.29	-1.81	0.00	0.00
205139_s_at	UST	uronyl-2-sulfotra	0.16	-2.69	0.00	0.00
213326_at	VAMP1	vesicle-associat	0.23	-2.10	0.00	0.00
218807_at	VAV3	vav 3 guanine nu	0.24	-2.08	0.00	0.00
221731_x_at	VCAN	versican	4.47	2.16	0.01	0.01
209946_at	VEGFC	vascular endothe	6.01	2.59	0.00	0.00
205586_x_at	VGFB	VEGF nerve grow	3.02	1.60	0.00	0.00
205946_at	VIPR2	vasoactive intest	7.87	2.98	0.00	0.00
217949_s_at	VKORC1	vitamin K epoxid	4.14	2.05	0.00	0.00
205844_at	VNN1	vanin 1	3.91	1.97	0.01	0.01
220528_at	VNN3	vanin 3	5.32	2.41	0.00	0.00
204376_at	VPRBP	Vpr (HIV-1) bind	0.27	-1.92	0.00	0.00
204377_s_at	VPRBP	Vpr (HIV-1) bind	0.13	-2.92	0.00	0.00
214785_at	VPS13A	vacuolar protein	0.17	-2.58	0.00	0.00
218396_at	VPS13C	vacuolar protein	0.20	-2.32	0.00	0.00
220221_at	VPS13D	vacuolar protein	0.16	-2.69	0.00	0.00
203797_at	VSNL1	visinin-like 1	4.91	2.30	0.00	0.00
202112_at	VWF	von Willebrand fi	3.12	1.64	0.00	0.00
212267_at	WAPAL	wings apart-like	0.33	-1.59	0.00	0.00
200628_s_at	WARS	tryptophanyl-tRN	9.30	3.22	0.00	0.00
200629_at	WARS	tryptophanyl-tRN	6.34	2.67	0.00	0.00
205810_s_at	WASL	Wiskott-Aldrich s	3.00	1.59	0.00	0.00
218505_at	WDR59	WD repeat dom	0.33	-1.62	0.00	0.00

201420_s_at	WDR77	WD repeat dom	3.38	1.76	0.00	0.00
212533_at	WEE1	WEE1 homolog	0.23	-2.11	0.00	0.00
210861_s_at	WISP3	WNT1 inducible	4.80	2.26	0.00	0.00
221783_at	WIZ	widely interspac	3.36	1.75	0.00	0.00
39313_at	WNK1	WNK lysine defic	0.09	-3.48	0.00	0.00
205648_at	WNT2	wingless-type MI	0.27	-1.87	0.00	0.00
205990_s_at	WNT5A	wingless-type MI	3.87	1.95	0.01	0.01
213155_at	WSCD1	WSC domain co	0.33	-1.61	0.00	0.00
212637_s_at	WWP1	WW domain con	0.18	-2.47	0.00	0.00
206698_at	XK	X-linked Kx bloo	0.29	-1.78	0.00	0.00
209375_at	XPC	xeroderma pigm	0.32	-1.63	0.00	0.00
207598_x_at	XRCC2	X-ray repair com	0.27	-1.89	0.00	0.00
205071_x_at	XRCC4	X-ray repair com	3.59	1.84	0.00	0.00
218911_at	YEATS4	YEATS domain c	0.14	-2.82	0.00	0.00
202418_at	YIF1A	Yip1 interacting i	3.69	1.88	0.00	0.00
220207_at	YIF1B	Yip1 interacting i	3.17	1.67	0.00	0.00
65086_at	YIPF2	Yip1 domain farr	3.06	1.61	0.00	0.00
212343_at	YIPF6	Yip1 domain farr	0.27	-1.87	0.00	0.00
214659_x_at	YLPM1	YLP motif contai	0.32	-1.64	0.00	0.00
214814_at	YTHDC1	YTH domain con	0.11	-3.23	0.00	0.00
213077_at	YTHDC2	YTH domain con	0.29	-1.80	0.00	0.00
219836_at	ZBED2	zinc finger, BED	4.71	2.24	0.01	0.01
213376_at	ZBTB1	zinc finger and B	0.26	-1.93	0.00	0.00
205092_x_at	ZBTB1	zinc finger and B	0.21	-2.23	0.00	0.00
205883_at	ZBTB16	zinc finger and B	0.07	-3.78	0.00	0.00
222357_at	ZBTB20	zinc finger and B	0.23	-2.14	0.00	0.00
220391_at	ZBTB3	zinc finger and B	0.14	-2.80	0.00	0.00
218810_at	ZC3H12A	zinc finger CCH	9.68	3.27	0.00	0.00
219062_s_at	ZCCHC2	zinc finger, CCH	0.28	-1.84	0.00	0.00
212419_at	ZCCHC24	zinc finger, CCH	4.53	2.18	0.00	0.00
221646_s_at	ZDHHC11	zinc finger, DHH	0.03	-5.21	0.00	0.00
219296_at	ZDHHC13	zinc finger, DHH	0.23	-2.12	0.00	0.00
217741_s_at	ZFAND5	zinc finger, AN1-	3.35	1.74	0.00	0.00
222186_at	ZFAND6	zinc finger, AN1-	0.20	-2.30	0.00	0.00
201369_s_at	ZFP36L2	zinc finger protei	0.31	-1.69	0.01	0.01
214678_x_at	ZFX	zinc finger protei	0.20	-2.29	0.00	0.00
219929_s_at	ZFYVE21	zinc finger, FYVE	0.31	-1.68	0.00	0.00
214900_at	ZKSCAN1	zinc finger with k	0.22	-2.21	0.00	0.00
218752_at	ZMAT5	zinc finger, matri	7.33	2.87	0.00	0.00
210281_s_at	ZMYM2	zinc finger, MYM	0.29	-1.79	0.00	0.00
210282_at	ZMYM2	zinc finger, MYM	0.29	-1.80	0.00	0.00
206652_at	ZMYM5	zinc finger, MYM	0.16	-2.66	0.00	0.00
219925_at	ZMYM6	zinc finger, MYM	0.17	-2.58	0.00	0.00
202137_s_at	ZMYND11	zinc finger, MYN	0.23	-2.14	0.00	0.00
209049_s_at	ZMYND8	zinc finger, MYN	0.18	-2.45	0.00	0.00
205739_x_at	ZNF107	zinc finger protei	0.27	-1.89	0.00	0.00
219571_s_at	ZNF12	zinc finger protei	0.11	-3.25	0.00	0.00
204234_s_at	ZNF195	zinc finger protei	0.26	-1.92	0.00	0.00

214823_at	ZNF204	zinc finger protei	0.08	-3.70	0.00	0.00
207128_s_at	ZNF223	zinc finger protei	0.25	-2.02	0.00	0.00
216983_s_at	ZNF224	zinc finger protei	0.12	-3.01	0.00	0.00
205791_x_at	ZNF230	zinc finger protei	0.27	-1.89	0.00	0.00
219171_s_at	ZNF236	zinc finger protei	0.17	-2.60	0.00	0.00
212774_at	ZNF238	zinc finger protei	0.18	-2.52	0.00	0.00
213269_at	ZNF248	zinc finger protei	0.23	-2.10	0.00	0.00
205917_at	ZNF264	zinc finger protei	0.28	-1.83	0.00	0.00
209989_at	ZNF268	zinc finger protei	0.30	-1.72	0.00	0.00
215239_x_at	ZNF273	zinc finger protei	0.10	-3.35	0.00	0.00
221213_s_at	ZNF280D	zinc finger protei	0.14	-2.84	0.00	0.00
212366_at	ZNF292	zinc finger protei	0.25	-2.02	0.00	0.00
212368_at	ZNF292	zinc finger protei	0.14	-2.85	0.00	0.00
222016_s_at	ZNF323	zinc finger protei	4.64	2.21	0.00	0.00
213760_s_at	ZNF330	zinc finger protei	3.20	1.68	0.00	0.00
206448_at	ZNF365	zinc finger protei	10.38	3.38	0.00	0.00
215358_x_at	ZNF37B	zinc finger protei	0.14	-2.87	0.00	0.00
215429_s_at	ZNF428	zinc finger protei	5.43	2.44	0.00	0.00
222136_x_at	ZNF43	zinc finger protei	0.24	-2.07	0.00	0.00
215892_at	ZNF440	zinc finger protei	0.18	-2.45	0.00	0.00
212557_at	ZNF451	zinc finger protei	0.31	-1.69	0.00	0.00
213124_at	ZNF473	zinc finger protei	4.37	2.13	0.00	0.00
55872_at	ZNF512B	zinc finger protei	0.26	-1.95	0.00	0.00
204291_at	ZNF518A	zinc finger protei	0.22	-2.17	0.00	0.00
215019_x_at	ZNF528	zinc finger protei	3.17	1.66	0.00	0.00
211721_s_at	ZNF551	zinc finger protei	0.10	-3.31	0.00	0.00
206648_at	ZNF571	zinc finger protei	0.28	-1.85	0.00	0.00
217627_at	ZNF573	zinc finger protei	0.16	-2.65	0.00	0.00
204175_at	ZNF593	zinc finger protei	4.11	2.04	0.00	0.00
205594_at	ZNF652	zinc finger protei	0.05	-4.38	0.00	0.00
219239_s_at	ZNF654	zinc finger protei	0.24	-2.08	0.00	0.00
220760_x_at	ZNF665	zinc finger protei	0.31	-1.69	0.00	0.00
206180_x_at	ZNF747	zinc finger protei	5.84	2.55	0.00	0.00
219995_s_at	ZNF750	zinc finger protei	0.28	-1.83	0.02	0.02
219627_at	ZNF767	zinc finger family	0.27	-1.87	0.00	0.00
219781_s_at	ZNF771	zinc finger protei	7.59	2.92	0.00	0.00
214138_at	ZNF79	zinc finger protei	4.30	2.10	0.00	0.00
60794_f_at	ZNF814	zinc finger protei	0.22	-2.16	0.00	0.00
219676_at	ZSCAN16	zinc finger and S	0.28	-1.86	0.00	0.00
218312_s_at	ZSCAN18	zinc finger and S	0.12	-3.07	0.00	0.00
217593_at	ZSCAN18	zinc finger and S	0.12	-3.09	0.00	0.00
214580_x_at			530.47	9.05	0.00	0.00
210413_x_at			59.98	5.91	0.00	0.00
208539_x_at			53.48	5.74	0.00	0.00
215504_x_at			10.00	3.32	0.00	0.00
218822_s_at			9.35	3.23	0.00	0.00
216745_x_at			7.95	2.99	0.00	0.00
221059_s_at			7.63	2.93	0.00	0.00

217619_x_at	7.30	2.87	0.00	0.00
204438_at	7.28	2.87	0.00	0.00
219489_s_at	6.72	2.75	0.00	0.00
214463_x_at	6.33	2.66	0.00	0.00
222114_x_at	6.05	2.60	0.00	0.00
216499_at	5.35	2.42	0.00	0.00
205114_s_at	5.01	2.33	0.00	0.00
216554_s_at	4.91	2.30	0.00	0.00
214290_s_at	4.90	2.29	0.00	0.00
211691_x_at	4.88	2.29	0.00	0.00
216474_x_at	4.86	2.28	0.00	0.00
202632_at	4.72	2.24	0.00	0.00
217516_x_at	4.67	2.22	0.00	0.00
216535_at	4.66	2.22	0.00	0.00
210387_at	4.56	2.19	0.00	0.00
216565_x_at	4.54	2.18	0.00	0.00
216694_at	4.20	2.07	0.00	0.00
217055_x_at	4.16	2.06	0.00	0.00
215489_x_at	4.08	2.03	0.00	0.00
205980_s_at	4.03	2.01	0.00	0.00
210915_x_at	4.03	2.01	0.00	0.00
208580_x_at	4.00	2.00	0.00	0.00
57540_at	3.96	1.99	0.00	0.00
206302_s_at	3.95	1.98	0.00	0.00
209372_x_at	3.85	1.94	0.00	0.00
200885_at	3.82	1.93	0.00	0.00
213690_s_at	3.75	1.91	0.00	0.00
206063_x_at	3.57	1.84	0.00	0.00
216371_at	3.51	1.81	0.00	0.00
220445_s_at	3.49	1.80	0.00	0.00
216138_at	3.47	1.80	0.00	0.00
218280_x_at	3.46	1.79	0.00	0.00
212444_at	3.42	1.78	0.00	0.00
216542_x_at	3.38	1.76	0.00	0.00
208540_x_at	3.37	1.75	0.00	0.00
215353_at	3.36	1.75	0.00	0.00
221969_at	3.34	1.74	0.01	0.01
205717_x_at	3.31	1.73	0.00	0.00
215949_x_at	3.26	1.70	0.00	0.00
205890_s_at	3.25	1.70	0.02	0.03
216806_at	3.23	1.69	0.00	0.00
217998_at	3.18	1.67	0.00	0.00
210474_s_at	3.17	1.66	0.00	0.00
215261_at	3.17	1.66	0.00	0.00
216668_at	3.13	1.65	0.00	0.00
216562_at	3.08	1.63	0.00	0.00
205272_s_at	3.08	1.62	0.00	0.00
216043_x_at	3.03	1.60	0.00	0.00

205955_at	0.33	-1.59	0.00	0.00
213212_x_at	0.33	-1.59	0.00	0.00
216628_at	0.33	-1.59	0.00	0.00
210491_at	0.33	-1.60	0.00	0.00
31799_at	0.32	-1.63	0.00	0.00
200856_x_at	0.32	-1.64	0.00	0.00
213739_at	0.32	-1.63	0.00	0.00
215928_at	0.32	-1.64	0.00	0.00
222375_at	0.32	-1.65	0.00	0.00
215802_at	0.32	-1.65	0.00	0.00
215612_at	0.32	-1.66	0.00	0.00
222371_at	0.32	-1.66	0.00	0.00
206848_at	0.32	-1.66	0.00	0.00
217604_at	0.32	-1.66	0.00	0.00
214808_at	0.31	-1.70	0.00	0.00
217659_at	0.31	-1.70	0.00	0.00
222319_at	0.31	-1.70	0.00	0.00
215304_at	0.31	-1.71	0.00	0.00
217554_at	0.31	-1.71	0.00	0.00
216211_at	0.31	-1.71	0.00	0.00
222335_at	0.31	-1.71	0.00	0.00
215578_at	0.30	-1.72	0.00	0.00
216783_at	0.30	-1.72	0.00	0.00
219151_s_at	0.30	-1.72	0.00	0.00
220809_at	0.30	-1.72	0.00	0.00
210598_at	0.30	-1.72	0.00	0.00
215140_at	0.30	-1.73	0.00	0.00
216769_x_at	0.30	-1.73	0.00	0.00
212920_at	0.30	-1.74	0.00	0.00
215164_at	0.30	-1.74	0.00	0.00
222159_at	0.30	-1.75	0.00	0.00
204060_s_at	0.30	-1.75	0.00	0.00
213971_s_at	0.30	-1.75	0.00	0.00
213648_at	0.30	-1.76	0.00	0.00
215147_at	0.29	-1.77	0.00	0.00
217610_at	0.29	-1.77	0.00	0.00
220175_s_at	0.29	-1.77	0.00	0.00
217713_x_at	0.29	-1.78	0.00	0.00
215059_at	0.29	-1.79	0.00	0.00
216000_at	0.29	-1.79	0.00	0.00
208078_s_at	0.29	-1.80	0.00	0.00
217653_x_at	0.29	-1.79	0.00	0.00
217519_at	0.28	-1.82	0.00	0.00
215597_x_at	0.28	-1.84	0.00	0.00
217679_x_at	0.28	-1.83	0.00	0.00
216142_at	0.28	-1.84	0.00	0.00
215370_at	0.28	-1.85	0.00	0.00
222344_at	0.28	-1.85	0.00	0.00

212182_at	0.28	-1.85	0.00	0.00
222372_at	0.27	-1.87	0.00	0.00
217586_x_at	0.27	-1.88	0.00	0.00
220033_at	0.27	-1.88	0.00	0.00
214945_at	0.27	-1.90	0.01	0.02
212842_x_at	0.27	-1.90	0.00	0.00
215956_at	0.27	-1.92	0.00	0.00
222326_at	0.26	-1.93	0.00	0.00
215029_at	0.26	-1.94	0.00	0.00
220912_at	0.26	-1.93	0.00	0.00
216411_s_at	0.26	-1.94	0.00	0.00
216214_at	0.26	-1.95	0.00	0.00
216094_at	0.26	-1.95	0.00	0.00
216069_at	0.26	-1.97	0.00	0.00
214857_at	0.25	-1.98	0.00	0.00
212867_at	0.25	-2.00	0.00	0.00
216497_at	0.25	-2.01	0.00	0.00
220905_at	0.25	-2.01	0.00	0.00
222149_x_at	0.25	-2.02	0.00	0.00
210410_s_at	0.25	-2.02	0.00	0.00
217588_at	0.25	-2.03	0.00	0.00
220696_at	0.24	-2.04	0.00	0.00
215545_at	0.24	-2.04	0.00	0.00
203852_s_at	0.24	-2.08	0.00	0.00
203240_at	0.24	-2.08	0.00	0.00
215390_at	0.23	-2.10	0.00	0.00
217152_at	0.23	-2.10	0.00	0.00
215172_at	0.23	-2.14	0.00	0.00
215629_s_at	0.23	-2.14	0.00	0.00
222341_x_at	0.23	-2.14	0.00	0.00
215576_at	0.22	-2.16	0.00	0.00
213931_at	0.22	-2.18	0.00	0.00
217690_at	0.22	-2.18	0.00	0.00
222111_at	0.22	-2.18	0.00	0.00
206088_at	0.22	-2.18	0.00	0.00
220612_at	0.22	-2.19	0.00	0.00
214375_at	0.22	-2.20	0.00	0.00
217137_x_at	0.22	-2.21	0.00	0.00
222277_at	0.21	-2.23	0.00	0.00
216022_at	0.21	-2.25	0.00	0.00
222358_x_at	0.21	-2.25	0.00	0.00
217019_at	0.20	-2.36	0.00	0.00
215786_at	0.19	-2.37	0.00	0.00
221079_s_at	0.19	-2.39	0.00	0.00
214871_x_at	0.19	-2.39	0.00	0.00
215133_s_at	0.19	-2.42	0.00	0.00
213686_at	0.18	-2.44	0.00	0.00
216173_at	0.18	-2.48	0.00	0.00

215212_at	0.18	-2.49	0.00	0.00
215378_at	0.18	-2.50	0.00	0.00
214807_at	0.18	-2.51	0.00	0.00
221833_at	0.18	-2.51	0.00	0.00
217164_at	0.17	-2.52	0.00	0.00
215626_at	0.17	-2.53	0.00	0.00
208154_at	0.17	-2.56	0.00	0.00
215344_at	0.17	-2.58	0.00	0.00
213156_at	0.16	-2.63	0.00	0.00
217671_at	0.16	-2.63	0.00	0.00
215287_at	0.16	-2.65	0.00	0.00
220969_s_at	0.16	-2.66	0.00	0.00
213930_at	0.16	-2.67	0.00	0.00
215191_at	0.16	-2.68	0.00	0.00
217014_s_at	0.16	-2.69	0.00	0.00
222290_at	0.15	-2.70	0.00	0.00
221834_at	0.15	-2.71	0.00	0.00
222214_at	0.15	-2.74	0.00	0.00
216756_at	0.15	-2.77	0.00	0.00
220728_at	0.14	-2.80	0.00	0.00
216278_at	0.14	-2.83	0.00	0.00
217336_at	0.14	-2.83	0.00	0.00
214235_at	0.14	-2.86	0.00	0.00
217353_at	0.14	-2.85	0.00	0.00
217643_x_at	0.14	-2.86	0.00	0.00
214234_s_at	0.14	-2.88	0.00	0.00
222313_at	0.14	-2.88	0.00	0.00
222282_at	0.13	-2.93	0.00	0.00
205728_at	0.13	-2.95	0.00	0.00
215385_at	0.13	-2.95	0.00	0.00
215555_at	0.13	-3.00	0.00	0.00
222366_at	0.12	-3.01	0.00	0.00
215083_at	0.12	-3.03	0.00	0.00
215123_at	0.12	-3.06	0.00	0.00
215204_at	0.12	-3.07	0.00	0.00
217536_x_at	0.12	-3.07	0.00	0.00
205871_at	0.12	-3.09	0.00	0.00
220855_at	0.12	-3.09	0.00	0.00
222316_at	0.11	-3.18	0.00	0.00
213158_at	0.11	-3.22	0.00	0.00
220711_at	0.11	-3.23	0.00	0.00
216006_at	0.10	-3.26	0.00	0.00
215599_at	0.10	-3.28	0.00	0.00
213397_x_at	0.10	-3.29	0.00	0.00
222308_x_at	0.10	-3.38	0.00	0.00
216527_at	0.09	-3.40	0.00	0.00
215635_at	0.09	-3.44	0.00	0.00
215392_at	0.09	-3.45	0.00	0.00

216614_at	0.08	-3.64	0.00	0.00
206655_s_at	0.08	-3.66	0.00	0.00
214415_at	0.07	-3.85	0.00	0.00
212913_at	0.07	-3.91	0.00	0.00
208498_s_at	0.06	-4.01	0.00	0.00
215322_at	0.06	-4.02	0.00	0.00
222368_at	0.06	-4.03	0.00	0.00
220038_at	0.05	-4.41	0.00	0.00
215768_at	0.04	-4.53	0.00	0.00