

# Clinical and molecular characteristics of *MEF2D* fusion-positive B-cell precursor acute lymphoblastic leukemia in childhood, including a novel translocation resulting in *MEF2D-HNRNP1* gene fusion

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## Identification of *MEF2D* fusion positive cases by microarray analysis

Initially, 2 cases of *MEF2D* fusion (Table 1, Cases 9 and 16) were included in neither the discovery cohort nor validation cohort and we performed microarray analysis by including these 2 cases in “B-others”. Since these 2 were located in the same cluster as *MEF2D* fusion-positive patients (Figure S2), we performed RT-PCR for Cases 9 and 16 and found that they were positive for *MEF2D-BCL9* and *MEF2D-HNRNPUL1*, respectively (Table 1). Therefore, we included them in the group of *MEF2D* and conducted all microarray analyses again, but mostly similar results were initially obtained.

## Supplementary methods

### Microarray and data analyses

The cDNAs amplified and labeled were hybridized to Human Genome U133 Plus 2.0 Arrays (Affymetrix, Santa Clara, CA, USA), and the obtained data were normalized and filtered with the steps as described previously.<sup>S1</sup> The gene expression signature for *MEF2D* fusion-positive B-ALL was investigated by comparing 14 *MEF2D* fusion-positive cases: 8 *MEF2D-BCL9*, 5 *MEF2D-HNRNPUL1*, and 1 *MEF2D-HNRNPUL1*, and 359 control B-ALL samples: 21 *BCR-ABL1*+, 6 *CRLF2* fusions+, 72 *ETV6-RUNX1*+, 24 *TCF3-PBX1*+, 22 *MLL* fusions+, 20 *ZNF384* fusions+, and 196 B-others.

For the clustering analysis, we selected the top 10 up- and top 10 down-regulated genes under all paired conditions of B-ALL with *MEF2D* fusion-positive ALL and 6 other genetic abnormalities (presented in Table S7). After the exclusion of those that overlapped, 146 subsequent gene probes, listed in Table S8, were used as the selected probe sets of differentially expressed genes.

Fold change analysis was performed to select differentially expressed genes under all paired conditions of the 7 genetic abnormalities and B-others. In comparison with the B-others, the differential expression of 1,063 genes (up: 549, down: 514, fold change >2.0) was identified in *MEF2D* fusion-positive cases (Table S9 A). Similarly, the differential expression of 756 genes (up:

470, down: 286, fold change >2.0) was identified in *TCF3-PBX1*-positive cases in comparison with the B-others (Table S9 B).

The functional analyses of genes characteristic of *MEF2D* fusion-positive ALLs in comparison with B-ALL with other types of genetic abnormalities were conducted using gene set enrichment analysis (GSEA), as described previously.<sup>S1</sup> The analysis included 18 curated gene sets of B lymphocytes in various differentiation stages<sup>S2-S4</sup> selected from human immunologic signatures (C7) and curated gene sets (C2) from MsigDB (<http://software.broadinstitute.org/gsea/index.jsp>), as well as gene sets for 7 early hematopoietic stages including stem cells.<sup>S5</sup>

### **Supplementary references**

- S1 Hirabayashi S, Ohki K, Nakabayashi K, et al. ZNF384-related fusion genes define a subgroup of childhood B-cell precursor acute lymphoblastic leukemia with a characteristic immunotype. *Haematologica*. 2017;102(1):118-129.
- S2 Zhan F, Tian E, Bumm K, Smith R, Barlogie B, Shaughnessy J Jr. Gene expression profiling of human plasma cell differentiation and classification of multiple myeloma based on similarities to distinct stages of late-stage B-cell development. *Blood*. 2003;101(3):1128-1140.
- S3 Haddad R, Guardiola P, Izac B, et al. Molecular characterization of early human T/NK and B-lymphoid progenitor cells in umbilical cord blood. *Blood*. 2004;104(13):3918-3926.
- S4 Hoffmann R, Lottaz C, Kühne T, Rolink A, Melchers F. Neutrality, Compensation, and Negative Selection during Evolution of B-Cell Development Transcriptomes. *Mol Biol Evol*. 2007;24(12):2610–2618.
- S5 Laurenti E, Doulatov S, Zandi S, et al. The transcriptional architecture of early human hematopoiesis identifies multilevel control of lymphoid commitment. *Nat Immunol*. 2013;14(7):756-763.

## Supplementary Tables

**Table S1.** Summary of the cases and detected *MEF2D* fusions.

**Table S2.** Primer sequences for RT-PCR used for detection of *MEF2D* fusions.

**Table S3.** Summary of the results of detected *MEF2D*-related fusion genes by whole transcriptome sequencing.

**Table S4.** Immunophenotypes of B-ALL cases with *MEF2D* fusions.

**Table S5.** Genomic copy number alterations detected by MLPA of B-ALL cases with *MEF2D* fusions.

**Table S6.** Additional genetic abnormalities of *MEF2D* fusion-positive cases detected by whole exome sequencing.

**Table S7.** Differentially expressed genes under all paired conditions of genetic abnormalities.

**Table S8.** Probe set ID used for hierarchical clustering and principal component analysis.

**Table S9.** Differentially expressed genes between *MEF2D* fusion- or *TCF3-PBX1*-positive ALL and B-others (up and down fold change >2.0).

**Table S10.** Results of the gene set enrichment analysis (GSEA).

**Table S11.** Summary of the results of gene set enrichment analysis (GSEA) presented in Table S10.

Table S1. Summary of the cases and detected *MEF2D* fusions

	TCCSG L04-16 study				Others (outside the L04-16 cohort)	BCP*1-LBL*2
	L04-16/L06-16 2004.Nov-2007.Mar	L07-1602 2007 Apr-2009 May	L09-1603 2009 Jun-2013 Jun			
ALL*3	328*4	259	547			
BCP-ALL	290	234	492	95	2	
BCP-ALL without conventional genetic abnormalities						
Registered	126	117	238			
Analyzed	124 ( 98.4% registered )	74	55	75		
<i>MEF2D</i> fusions	7 ( 2.4% in BCP-ALL ) ( 5.6% in BCP-ALL w/o CGA )	2	3	4	1	
<i>MEF2D-BCL9</i>	5 ( 1.7% in BCP-ALL ) ( 4.0% in BCP-ALL w/o CGA )	2	1	1	1	
<i>MEF2D-HNRNPUL1</i> <i>MEF2D-HNRNPHI</i>	2		2	2 1		
<i>CRLF2</i> fusions	3	4	7	1		
Other Ph-like	3*5		3*6	4*7		
<i>ZNF384</i> fusions	12	7*8	5	7		
<i>TCF3-HLF</i>	0	0	1			
B-others	99	61	36	59	1	
Undetermined	2	43	183			
BCP-ALL with conventional genetic abnormalities						
Determined	164	117	254	20		
Hypodiploid $\leq 40$	2	1	3			
Hyperdiploid $\geq 51$	65	33	99	2		
<i>BCR-ABL1</i>	16	13	21	1		
<i>ETV6-RUNX1</i>	56	48	84	9		
<i>MLL-AF4</i>	4	2	8	1		
<i>MLL-AF9</i>	3	2	2	2		
<i>MLL-ENL</i>	0	1	1			
<i>TCF3-PBX1</i>	18	17	36	5		
T-ALL	37	25	55			
Unclassified	1					

\*1; BCP, B-cell precursor

\*2; LBL, lymphoblastic lymphoma

\*3; ALL, acute lymphoblastic leukemia

\*4; As described in our recent publication regarding TCCSG L04-16 Study (reference 18), of 1,225 patients registered for these studies, 192 were excluded due to various reasons and thus the number of patients is different from our previous publication (reference 10).

\*5; Ph-like, Ph-like ALL-related tyrosine kinase fusions, including 2 *Igh-EPOR* and 1 *PAX5-JAK2* (reference 18)

Table S3. Summary of the results of detected *MEF2D*-related fusion genes by whole transcriptome sequencing

Gene_name1	Gene_name2	Case ID	5'-Partner gene accession No.	Chromosome, genomic position of fusion splice/breakpoint	3'-Partner gene accession No.	Chromosome, genomic position of fusion splice/breakpoint	Flanking sequences	Gene locations
<i>MEF2D</i>	- <i>BCL9</i>	03	NM_005920.3	ch 1 , 156444900	NM_004326.3	ch 1 , 147094072	GAATGGCTACGTCACTGCTCGGGCTTCCCCTGGCCTCCTCCTGTGGCCAATGGCAACAGCCTAAA CAAGGTCATCCCTGCCAAGTCTCCACCCCACTACCCACAGCACCCAGCTTGGAGCCCCAGCCG CAAGCCGACCTGCGAGTCACTTCCAGGCAGGAAAGGGTTAATGCATCACTGAACAATG CCCAGCGCCTTGGGGTCTCCAGTCTACTCATTTCGCTCACCACCCAGTGGTTTCTGTGGCAACGC CGAGTTTACTCAGCCAGGGCCTCCCCTTCTTCCATGCCCACTGCCTACAACACAG GTGGCCCC CACCTCTACAGCCAGCCAGCCTGCCTCTGTGAATATCCCTGGAAGTCTTCCCTCTAGTACACCTT ATACCATGCCTCCAGAGCCAACCTTTCAGAACCCACTCTCTATTATGATGTCTCGAATGTCCA AGTTTGCAATGCCAGTTCACCCCGTTATACCATGATGCTATCAAGACTGTGGCCAGCTCAGATG ACGACTCCCCTCCAGCTCGTTCTCCCAACTGGCCATCAATGAATAATATGCCAGGT  GCCACACGAGAGCCGACCAACGCGGACATCATCGAGACCTGAGGAAGAAGGGCTTCAACGGCT GCGACAGCCCCGAGCCGAGGGGAGGACTCGTGGAAACAGAGCCCCTGCTGGAGGACAAGTA CCGACGCGCAGCGAGGAGCTCGACGGGCTCTCCGGCGCTATGGGTCAACTGTCCCGCCCCA ACTTTGCCATGCCTGTACGGTGCCTGTCCAATCAGAGCTCACTGCAGTTTCAAGTATCCAGCG GCTCCCTGGTCAACCTTCCCTGGTGACATCATCCCTCAGGACCCGCGGCTCTGTCCCCCAGCA GCCAGCACTACAGAGGAACAGTGTCTCTGGCTGCCCCAGCGGCCAGTGTGGCGGGGCCA TGCTGGGGGTGACCTGAACAGTGTAAACGGAGCCTGCCAGCCCTGTG GAATGGGCATTAAT ACACAGAATCCTCGAATTTCAAGTCCAAACCCCGTGGTTCGGATGCCAACCTCAGCCCAATGGG AATGACCCAGCCACTTTCTCACTCAATCAGATGCCCTCTCAAATGCCGTGGGACCCAAACATACC TCTCATGGGGTCCCAATGGGGCCTGGCTTGATGTCACACAATCTATCATGGGGCATGGGTCCC AGGAGCCACCGATGGTACCTCAAGGACGGATGGGCTTCCCCAGGGCTTCCCTCCA  TCGCTGGAACAGAGCCCCTGCTGGAGGACAAGTACCGACGCGCCAGCGAGGAGCTCGACGGGCT CTTCCGGCGCTATGGGTCAACTGTCCCGCCCCCAACTTTGCCATGCCTGTACGGTGCCTGTGTC CAATCAGAGCTCACTGCAATTCAGCAATCCAGCGGCTCCCTGGTCAACCTTCCCTGGTGACATC ATCCCTCAGGACCCGCGGCTCCTGTCCCCAGCAGCCAGCACTACAGAGGAACAGTGTGTCTCC TGGCCTGCCAGCGGCCAGTGTGCGGG TGGCCCCACCTCTACAGCCAGCCAGCCTGCCTC TGTGAATATCCCTGGAAGTCTTCCCTCTAGTACACCTTATACCATGCCTCCAGAGCCAACCTTTC CCAGAACCCTCTCTATTATGATGTCTCGAATGTCCAAGTTGCAATGCCAGTTCACCCCGTT ATACCATGATGCTATCAAGACTGTGGCCAGCTCAGATGACGACTCCCCTCCAGCTCGTTCTCCAA CTTGCCATCAATGAA GCTGGGGGGTGACCTGAACAGTGTCTAACGGAGCCTGCCAGCCCTGTG GTGGCCCCCACCTC CTACAGCCAGCCAGCCTGCCTCTGTGAATATCCCT	coding   coding
<i>MEF2D</i>	- <i>BCL9</i>	04	NM_005920.3	ch 1 , 156,449,082	NM_004326.3	ch 1 , 147,095,643	ACAGAGGAACAGTGTCTCCTGGCCTGCCAGCGGCCAGCTAGTGCGG GTGGCCCCCACCTC CTACAGCCAGCCAGCCTGCCTCTGTGAATATCCCT	coding   coding
<i>MEF2D</i>	- <i>BCL9</i>	05	NM_005920.3	ch 1 , 156,449,378	NM_004326.3	ch 1 , 147,094,072	CCAACTTTGCCATGCCTGTACGGTGCCTGTCCAATCAGAGCTCACTGCAGTTTCAAGTATCCCA GCGGCTCCCTGGTCAACCTTCCCTGGTGCATCATCCCTCAGGACCCGCGGCTCTGTCCCCCA GCAGCCAGCACTACAGAGGAACAGTGTCTCTGGCCTGCCAGCGGCCAGCTAGTGCGGGG CCATGCTGGGGGTGACCTGAACAGTGTAAACGGAGCCTGCCAGCCCTGTG GAATGGGCATTA AATACACAGAATCCTCGAATTTCAAGTCCAAACCCCGTGGTTCGGATGCCAACCTCAGCCCAATG GGAATGACCCAGCCACTTTCTCACTCAATCAGATGCCCTCTCAAATGCCGTGGGACCCAAACATA CTCCTCATGGGGTCCCAATGGGGCCTGGCTTGATGTCACACAATCTATCATGGGGCATGGGTCC CAGGAGCCACCGATGGTACCTCAAGGACGGATGGGCTTCCCCAGGGCTTCCCTCCAGTACAGTC TCCCCACAGCAGGTTCCATTCCCTACAATGGCCCCAGTGGGGGGCAGGGCA  CCCAGCTTGGAGCCCCAGCCGCAAGCCGACCTGCGAGTCACTTCCCAGGCAGGAAAGGGG TTAATGCATCACTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTATTTCGCTCACCACC CCAGTGGTTTCTGTGGCAACGCGAGTTTACTCAGCCAGGGCCTCCCCTTCTCTCCATGCCCACT GCCTACAACACAG JCAACTTACGTTGCCAGATGTTGGGACTTCTGGATGAGGTTCTGTTTCT TGAGCTGCAGCGGGAGGAAGCGGACAAGCTAGTGAAGCAGTACAACGAGGAAGGGCCGCAAGGC TGGGCCACCCCTGAAAAGCGCTTTGACAACCGAGGTGGTGGTTCGGGGCCGCGGGGGT GTGGTGGCTTCCAGCGCTATGAAAA	coding   coding
<i>MEF2D</i>	- <i>BCL9</i>	08	NM_005920.3	ch 1 , 156,449,378	NM_004326.3	ch 1 , 147,094,072	ACAGAGGAACAGTGTCTCCTGGCCTGCCAGCGGCCAGCTAGTGCGG GTGGCCCCCACCTC CTACAGCCAGCCAGCCTGCCTCTGTGAATATCCCT	coding   coding
<i>MEF2D</i>	- <i>BCL9</i>	08	NM_005920.3	ch 1 , 156,449,378	NM_004326.3	ch 1 , 147,094,072	ACAGAGGAACAGTGTCTCCTGGCCTGCCAGCGGCCAGCTAGTGCGG GTGGCCCCCACCTC CTACAGCCAGCCAGCCTGCCTCTGTGAATATCCCT	coding   coding
<i>MEF2D</i>	- <i>BCL9</i>	10	NM_005920.3	ch 1 , 156449082	NM_004326.3	ch 1 , 147095643	CCAACTTTGCCATGCCTGTACGGTGCCTGTCCAATCAGAGCTCACTGCAGTTTCAAGTATCCCA GCGGCTCCCTGGTCAACCTTCCCTGGTGCATCATCCCTCAGGACCCGCGGCTCTGTCCCCCA GCAGCCAGCACTACAGAGGAACAGTGTCTCTGGCCTGCCAGCGGCCAGCTAGTGCGGGG CCATGCTGGGGGTGACCTGAACAGTGTAAACGGAGCCTGCCAGCCCTGTG GAATGGGCATTA AATACACAGAATCCTCGAATTTCAAGTCCAAACCCCGTGGTTCGGATGCCAACCTCAGCCCAATG GGAATGACCCAGCCACTTTCTCACTCAATCAGATGCCCTCTCAAATGCCGTGGGACCCAAACATA CTCCTCATGGGGTCCCAATGGGGCCTGGCTTGATGTCACACAATCTATCATGGGGCATGGGTCC CAGGAGCCACCGATGGTACCTCAAGGACGGATGGGCTTCCCCAGGGCTTCCCTCCAGTACAGTC TCCCCACAGCAGGTTCCATTCCCTACAATGGCCCCAGTGGGGGGCAGGGCA  CCCAGCTTGGAGCCCCAGCCGCAAGCCGACCTGCGAGTCACTTCCCAGGCAGGAAAGGGG TTAATGCATCACTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTATTTCGCTCACCACC CCAGTGGTTTCTGTGGCAACGCGAGTTTACTCAGCCAGGGCCTCCCCTTCTCTCCATGCCCACT GCCTACAACACAG JCAACTTACGTTGCCAGATGTTGGGACTTCTGGATGAGGTTCTGTTTCT TGAGCTGCAGCGGGAGGAAGCGGACAAGCTAGTGAAGCAGTACAACGAGGAAGGGCCGCAAGGC TGGGCCACCCCTGAAAAGCGCTTTGACAACCGAGGTGGTGGTTCGGGGCCGCGGGGGT GTGGTGGCTTCCAGCGCTATGAAAA	coding   coding
<i>MEF2D</i>	- <i>HNRNPUL1</i>	11	NM_005920.3	ch 1 , 156444900		ch # , 41808570	CCCAGCTTGGAGCCCCAGCCGCAAGCCGACCTGCGAGTCACTTCCCAGGCAGGAAAGGGG TTAATGCATCACTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTATTTCGCTCACCACC CCAGTGGTTTCTGTGGCAACGCGAGTTTACTCAGCCAGGGCCTCCCCTTCTCTCCATGCCCACT GCCTACAACACAG JCAACTTACGTTGCCAGATGTTGGGACTTCTGGATGAGGTTCTGTTTCT TGAGCTGCAGCGGGAGGAAGCGGACAAGCTAGTGAAGCAGTACAACGAGGAAGGGCCGCAAGGC TGGGCCACCCCTGAAAAGCGCTTTGACAACCGAGGTGGTGGTTCGGGGCCGCGGGGGT GTGGTGGCTTCCAGCGCTATGAAAA	coding   coding

<i>MEF2D</i>	- <i>HNRNPUL1</i>	13	NM_005920.3	ch 1 ,	156,444,900	ch # ,	41,808,570	GCCCCAGCCGCAAGCCCGACCTGCGAGTCATCACTTCCCAGGCAGGAAAGGGGTTAATGCATCACTTGACTGAGGACCATTTAGATCTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTCATTCTGCTACCAACCCAGTGGTTTCTGTGGCAACGCCGAGTTTACTCAGCCAGGGCCTCCCTTCTCTCCATGCCCCACTGCCTACAACACAG CCAACCTTACGTTGCCAGATGTTGGGGACTTCTGGATGAGGTCTGTTCATTGAGCTGCAGCGGGAGGAAGCGGACAAGCTAGTGAGGCAGTACAACGAGGAAGGC CGAAAGGCTGGGCCACCCCTGAAAAGCGCTTTGACAACCGAGGTGGTGGTCCCGGGGCCGCGGGGTGGTGGTCCAGCGCTATGAAAACCGAGGACCCCTGGAGGCAACCGTGGCGCTTCCAGAACCGAGGGGAGGCAGCGGTGGAGGAGGCAACTACCGAGGAGGTTTCAACCGCAGCGGAGGTGGTATAGCCAGA	coding		coding
<i>MEF2D</i>	- <i>HNRNPUL1</i>	14	NM_005920.3	ch 1 ,	156444900	ch # ,	41808570	GCTTCCCTGGCTCCTCCCTGTGGCCAATGGCAACAGCCTAAACAAGGTCATCCCTGCCAAGTCTCCACCCACCTACCCACAGCACCCAGCTTGGAGCCCCAGCCGCAAGCCGACCTGCGAGTCATC ACTTCCCAGGCAGGAAAGGGGTTAATGCATCACTTGAACAATGCCAGCGCCTTGGGGTCTCCCA GTCTACTCATTGCTCACCAACCCAGTGGTTTCTGTGGCAACGCCGAGTTTACTCAGCCAGGGCCT CCCCTTCTTCCATGCCACTGCCTACAACACAG CCAACCTTACGTTGCCAGATGTTGGGGACTT CCTGGATGAGGTCTGTTCATTGAGCTGCAGCGGGAGGAAGCGGACAAGCTAGTGAGGCAGTAC AACGAGGAAGGCCGCAAGGCTGGGCCACCCCTGAAAAGCGCTTTGACAACCGAGGTGGTGGTGGCTTCCGGGGCCGCGGGGTGGTGGTCCAGCGCTATGAAAACCGAGGACCCCTGGAGGC AACCCTGGCGCTTCCAGAACCGAGGGGAGGCAGCGGTGGAGGAGGCAACTACCGAGGAGGTT TCAACCGCAGCGGAGGTGGTGGCTATAGCCAGA	coding		coding
<i>MEF2D</i>	- <i>HNRNPUL1</i>	15	NM_005920.3	ch 1 ,	156444900	ch # ,	41808570	CAACAGCCTAAACAAGGTCATCCCTGCCAAGTCTCCACCCACCTACCCACAGCACCCAGCTTGG AGCCCCAGCCGCAAGCCGACCTGCGAGTCATCACTTCCCAGGCAGGAAAGGGGTTAATGCATC ACTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTCATTGCTCACCAACCCAGTGGTTT CTGTGGCAACGCCGAGTTTACTCAGCCAGGGCCTCCCTTCTTCCATGCCACTGCCTACAACA CAGCCAACCTTACGTTGCCAGATGTTGGGGACTTCTGGATGAGGTTCTGTTCATTGAGCTGCAG CGGGAGGAAGCGGACAAGCTAGTGAGGCAGTACAACGAGGAAGGCCGCAAGGCTGGGCCACCC CTGAAAAGCGCTTTGACAACCGAGGTGGTGGTGGCTTCCGGGGCCGCGGGGTGGTGGTGGCTT CAGCGCTATGAAAACCGAGGACCCCTGGAGGCAACCGTGGCGGCTTCCAGAACCGAGGGGAG GCAGCGGTGGAGGAGCAACTACCGA	coding		coding
<i>MEF2D</i>	- <i>HNRNPHI</i>	17	NM_005920.3	ch 1 ,	156,450,636	ch 5 ,	179,046,338	TCCAGTACGCCAGCACCGACATGGACAAGGTGCTGCTCAAGTACACGGAGTACAATGAGCCACAC GAGAGCCGCACCAACGCCGACATCATCGAGACCCTGAGGAAGAAGGGCTTCAACGGCTGCGACA GCCCGAGCCGACGGGGAGGACTCGCTGGAACAGAGCCCTTGGTGGAGGACAAGTACCGACGC GCCAGCGAGGAGCTCGACGGGCTTCCG CGTGAGTTTGCTTACAGGAAATAGCTGAAAAGG CTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAAATCTTAAAGAGCAGTAGAGC TGAAAGTTAGAACTCATTATGATCCACCACGAAAGCTTATGGCCATGCAGCGCCAGGTCTTATG ACAGACTGGGGCTGGTAGAGGTTAATACAGCATT	coding		coding
<i>MEF2D</i>	- <i>HNRNPHI</i>	17	NM_005920.3	ch 1 ,	156,446,874	ch 5 ,	179,046,340	CCGACGCGCCAGCGAGGAGCTCGACGGGCTTCCGGCGCTATGGGTCAACTGTCCCGCCCCCA ACTTGGCCATGCCTGTACCGGTGCCGTGTTCAATCAGAGCTCACTGCAGTTCAGCAATCCCAGCG GCTCCCTGGTACCCCTTCCCTGGTGACATCATCCCTCACGGACCCGCGGCTCTGTCCCCCAGCA GCCAGCACTACAGAGGAACAGTGTGTCTCCTGGCCTGCCCAAGCGGCCAGCTAGTGGGGGGCCA TGCTGGGGGTGACCTGAACAGTGTAAACGGAGCCTGCCAGCCCTGTGGGAATGGCTACGTC AGTGCTCGGGCTTCCCTGGCTCCTCCTGTGGCCAATGGCAACAGCCTAAACAAGGTCATCCCT GCCAAGTCTCCACCCCACTACCCACAGCACCCAGCTTGGTTCTGTGAGTTTGCTTACAGGAAA TAGCTGAAAAGGCTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAAATCTTTAA GAGCAGTAGAGCTGAAGTTAGAAGTCTTATGATCCACCACGAAAGCTTATGGCCATGCAGCGGC CAGGTCCTTATGACAGACCTGGGGCTGGTAGAGGTTAATACAGCATTGGCAGAGGAGCTGGCTT TGAGAGGATGAGCGGTGGTGGTATGGTGGAGGCTATGGAGGCTATGATGATTACAATGGCTAT AATGATGGCTATGGATTTGGGTGAGATAGATTTGGAAG	coding		coding



Table S4. Immunophenotypes of BCP-ALL cases with *MEF2D* fusions

Case	Fusion partner	Immunophenotype (positivity, %)									
		cyt-CD79a	HLA-DR	CD19	CD20	CD22	CD24	cyt-Igμ	Igκ	Igλ	Igμ
1	<i>BCL9</i>	82.40	84.70	83.00	12.60	46.80	78.00	7.80	0.60	0.50	0.90
2	<i>BCL9</i>	96.40	90.10	98.60	2.20	7.10	98.20	76.40	1.90	1.20	1.00
3	<i>BCL9</i>	89.60	72.80	88.60	31.40	79.00	93.40	85.70	2.70	2.20	13.60
4	<i>BCL9</i>	97.70	98.00	99.80	0.60	40.70	99.70	77.40	0.60	0.10	3.10
5	<i>BCL9</i>	87.85	91.06	97.60	7.23	86.07	96.12	85.35	2.79	3.22	23.26
6	<i>BCL9</i>	96.55	98.38	98.48	4.13	97.61	96.93	9.06	1.00	4.45	4.99
7	<i>BCL9</i>	99.26	2.88	95.97	1.67	19.75	97.89	99.74	0.68	0.01	1.22
9	<i>BCL9</i>	97.70	56.80	99.60	0.20	77.60	99.70	5.50	0.40	0.10	1.50
11	<i>HNRNPULI</i>	93.00	4.70	93.60	2.30	31.30	93.10	93.40	0.90	1.10	2.70
13	<i>HNRNPULI</i>	68.77	45.79	68.94	27.44	55.23	75.37	10.63	4.97	1.07	3.74
14	<i>HNRNPULI</i>	94.74	96.43	93.68	8.88	6.46	98.25	92.51	3.50	1.56	5.30
16	<i>HNRNPULI</i>	49.05	82.20	97.94	12.54	7.98	99.11	6.19	1.53	1.30	0.70
	Antibody against:	CD79a	HLA-DR	CD19	CD20	CD22	CD24	Igμ	Igκ	Igλ	Igμ
	Vendor:	BC	BC	BC	BC	BC	BC	DAKO	DAKO	DAKO	DAKO
	Catalog number:	IM3456U	6603424	IM2643	IM3629	IM1835	IM2645	F0058	FR481	FR481	F0058
Case	Fusion partner	CD10	7.1(NG-2)	CD34	cyt-TdT	CD99	CD58	CD38	CD56		
1	<i>BCL9</i>	73.90	0.10	11.00	4.90	1.61	83.50	89.30	1.70		
2	<i>BCL9</i>	89.60	0.00	13.30	5.20	NT	99.60	99.40	0.80		
3	<i>BCL9</i>	88.60	0.10	0.60	34.10	1.80	98.00	96.60	1.70		
4	<i>BCL9</i>	73.80	0.10	26.40	74.80	0.10	97.50	99.50	0.10		
5	<i>BCL9</i>	95.19	0.40	17.72	21.32	0.19	98.88	96.55	0.62		
6	<i>BCL9</i>	6.15	8.78	50.22	49.05	8.24	98.50	98.05	1.89		
7	<i>BCL9</i>	0.13	0.03	26.89	25.50	0.45	93.27	97.44	0.09		
9	<i>BCL9</i>	3.20	0.10	95.50	98.90	3.20	99.90	99.20	0.20		
11	<i>HNRNPULI</i>	90.90	0.10	1.20	82.20	0.15	94.80	97.30	0.50		
13	<i>HNRNPULI</i>	72.36	0.20	0.22	9.35	5.42	90.87	85.37	1.63		
14	<i>HNRNPULI</i>	69.64	0.07	20.85	14.08	25.46	92.49	98.70	0.97		
16	<i>HNRNPULI</i>	98.21	0.54	14.42	13.36	0.44	71.79	99.25	0.18		
		CD10	7.1(NG-2)	CD34	cyt-TdT	CD99	CD58	CD38	CD56		
		BC	BC	BC	DAKO	BD	BC	BC	BC		
		IM2721	IM3454U	A07509	F7139	555688	IM1218U	IM0775	A07508		

Case	Fusion partner	cyt-MPO	CD65	CD15	CD13	CD33	CD117	CD14	CD64	CD11b	CD66c
1	<i>BCL9</i>	3.00	0.40	0.10	1.60	1.10	0.00	0.50	1.20	7.20	0.00
2	<i>BCL9</i>	0.30	2.30	0.10	0.60	0.10	0.00	0.20	0.30	0.40	0.10
3	<i>BCL9</i>	1.50	0.60	1.60	1.10	53.00	0.50	0.20	1.30	3.90	0.20
4	<i>BCL9</i>	0.30	0.10	NT	0.10	0.00	0.70	0.00	NT	NT	0.10
5	<i>BCL9</i>	4.94	0.52	1.84	1.08	66.68	0.57	0.59	0.85	NT	0.09
6	<i>BCL9</i>	0.68	0.17	0.32	2.38	0.13	9.83	0.11	NT	NT	0.09
7	<i>BCL9</i>	1.26	0.32	0.16	0.09	0.23	2.27	0.08	0.09	0.23	0.08
10	<i>BCL9</i>	0.10	0.10	0.10	0.10	0.10	0.30	0.00	0.10	0.10	0.10
11	<i>HNRNPUL1</i>	2.60	0.90	0.50	0.90	0.70	0.10	0.50	1.30	2.40	0.50
13	<i>HNRNPUL1</i>	15.27	7.44	11.20	4.77	13.25	0.16	2.24	NT	NT	10.92
14	<i>HNRNPUL1</i>	0.13	0.56	0.13	1.69	0.03	0.81	0.09	0.83	0.51	0.07
16	<i>HNRNPUL1</i>	0.32	0.35	0.06	0.13	6.15	0.71	0.21	0.04	0.13	0.33
		cyt-MPO BC IM3455U	CD65 BC IM1654U	CD15 BC IM1423U	CD13 BC IM1427	CD33 BC IM1179	CD117 BC IM3698	CD14 BC A22331	CD64 BC IM3601U	CD11b BC A54822	CD66c BC IM2039U

Case	Fusion partner	cyt-CD3	CD7	CD2	CD5	CD1a	CD8	CD4	CD3	TCR- $\alpha/\beta$	TCR- $\gamma/\delta$
1	<i>BCL9</i>	13.20	9.80	3.00	10.50	0.10	4.50	8.20	10.10	12.00	2.60
2	<i>BCL9</i>	3.00	0.80	0.30	73.30	0.00	0.50	0.30	0.70	0.90	0.30
3	<i>BCL9</i>	2.90	5.70	3.30	39.40	0.10	2.40	2.30	3.50	3.10	0.70
4	<i>BCL9</i>	0.50	0.10	0.10	0.70	NT	0.10	0.10	0.50	NT	0.10
5	<i>BCL9</i>	2.91	1.38	3.72	68.13	0.02	2.03	1.83	2.40	2.53	0.20
6	<i>BCL9</i>	2.23	1.36	3.87	54.52	0.01	1.89	0.96	1.28	1.43	0.20
7	<i>BCL9</i>	0.04	0.68	1.20	6.50	0.07	0.66	0.01	0.62	0.17	0.16
10	<i>BCL9</i>	0.80	1.00	1.10	0.60	0.10	0.30	0.10	0.30	0.40	0.01
11	<i>HNRNPUL1</i>	7.60	5.10	2.30	4.00	0.20	2.90	2.70	4.40	4.10	0.60
13	<i>HNRNPUL1</i>	9.69	12.11	10.97	19.54	0.13	4.91	10.19	10.11	10.72	1.23
14	<i>HNRNPUL1</i>	0.20	0.52	0.09	37.37	0.00	0.64	0.06	0.50	0.62	1.28
16	<i>HNRNPUL1</i>	0.07	0.34	0.06	9.54	0.01	0.40	0.31	0.13	0.10	0.33
		cyt-CD3 BC 6607100	CD7 BC IM1429U	CD2 BC IM3625	CD5 BC IM3627	CD1a BC IM3610	CD8 BC 6607102	CD4 BC IM0449	CD3 BC 6607100	TCR- $\alpha/\beta$ BC IM1467	TCR- $\gamma/\delta$ BC IM1571U

BC, Beckman Coulter; BD, BD Pharmingen

Note: As data sources of *TCF3-PBX1* -positive cases and B-others without *MEF2D* fusions included in Figure 2, the data presented in Table S5 in Ref. Hirabayashi et al, 2017 were used with exceptions of *ZNF384* -WT-38, 52, and 57, because they were later revealed to have *MEF2D* fusions presented in this study as cases 3, 1, and 2, respectively.

Table S5. Genomic copy number alterations detected by MLPA of BCP-ALL cases with *MEF2D* fusions

Case	Fusion partner	Gene	<i>IKZF1</i>	<i>CRLF2</i>	<i>CDKN2A</i>	<i>CDKN2B</i>	<i>PAX5</i>	<i>ETV6</i>	<i>RBI</i>	<i>EBF1</i>	<i>BTG1</i>	<i>PHF6</i>	<i>LEF1</i>	<i>NF1</i>	<i>EZH2</i>	<i>SUZ12</i>	<i>PTEN</i>
		Chromosome	7p12.2	Xp22.33	9p21.3	9p21.3	9p13.2	12p13.2	13q14.2	5q33.3	12q21.33	Xq26.2	4q25	17q11.2	7q36.1	17q11.2	10q23.31
1	<i>BCL9</i>		WT	WT	CN1	CN1	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
2	<i>BCL9</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
3	<i>BCL9</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
4	<i>BCL9</i>		WT	WT	WT	WT	WT	CN1	WT	WT	WT	WT	WT	WT	WT	WT	WT
5	<i>BCL9</i>		WT	WT	CN0	CN0	CN1	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
6	<i>BCL9</i>		WT	WT	CN1	CN1	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
7	<i>BCL9</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	CN1	WT	WT
8	<i>BCL9</i>		WT	WT	CN1	CN1	WT	WT	WT	WT	WT	WT	CN1	WT	WT	WT	WT
9	<i>BCL9</i>		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	CN1	WT	WT
11	<i>HNRNPUL1</i>		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
12	<i>HNRNPUL1</i>		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
13	<i>HNRNPUL1</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
14	<i>HNRNPUL1</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
15	<i>HNRNPUL1</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
16	<i>HNRNPUL1</i>		WT	WT	CN0	CN0	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
17	<i>HNRNPH1</i>		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
		Frequency	0/16	0/16	11/16*	11/16*	1/16	1/16	0/16	0/16	0/16	0/16	1/16	0/16	2/16	0/16	0/16

Abbreviations: WT, wild-type; CN1, copy number1=heterozygous deletion; CN0, copy number0=homozygous deletion.

\*  $p < 0.001$ , against B-other enrolled in L04-16/06-16 (*CDKN2A/2B* deletion 22/101)

Table S6. Additional genetic abnormalities of *MEF2D* fusion-positive cases detected by whole exome sequencing

Case	Fusion partner	Gene	<i>ALK</i>	<i>ARFGEF3</i>	<i>BRCA1</i>	<i>BRMS1</i>	<i>C8orf4</i>	<i>ITIH1</i>	<i>MAPK13</i>	<i>NCOR2</i>
		Chromosome	2p23.1	6q23.3	17q21.31	11q13.2	8p11	3p21.1	6p21.31	12q24.31
		Gene ontology	kinase	regulation of glucose homeostasis	DNA repair, E3 ubiquitin	transcriptional repressor, apoptosis	apoptosis, Wnt/beta-catenin	cell adhesion	MAP kinase	transcriptional corepressor, histone deacetylases
1	<i>BCL9</i>		WT	R1881W	L1306F	WT	H23R	WT	WT	WT
8	<i>BCL9</i>		R672S	WT	WT	WT	WT	Q490P	R98S	1802_1808 17bp del
10	<i>BCL9</i>		WT	WT	WT	WT	WT	WT	WT	WT
17	<i>HNRNPH1</i>		WT	WT	WT	R202G	WT	WT	WT	WT

Case	Fusion partner	Gene	<i>NLE</i>	<i>NOTCH1</i>	<i>PHF3</i>	<i>PHF6</i>	<i>PHF10</i>	<i>PIK3R5</i>	<i>RBI</i>	<i>TET1</i>
		Chromosome	17q12	9q34.3	6q12	Xq26.2	6q27	17p13.1	13q14.2	10q21.3
		Gene ontology	signaling	signaling	transcription factor	transcriptional regulation	chromatin remodeling	kinase	cell cycle	cell differentiation, DNA methylation
1	<i>BCL9</i>		WT	M2255T, 1676_1676 3bp del	WT	WT	WT	WT	G423X	WT
8	<i>BCL9</i>		WT	WT	WT	WT	WT	Q636K	WT	WT
10	<i>BCL9</i>		WT	WT	WT	WT	WT	WT	WT	WT
17	<i>HNRNPH1</i>		R302G	WT	V67L	R319X	M417T	WT	WT	N1462K

Abbreviation: WT, wild-type.

Table S7. Differentially expressed genes under all paired conditions of genetic abnormalities

The top 10 upregulated and top 10 downregulated genes under each paired condition are listed with the exception of the pair of *MEF2D* and *TCF3-PBX1*, that are presented as all of the genes showing up and down fold change >2.0 .

	Overlapped probe	FC	Log FC	FC (abs)	Regulation	Gene Symbol	Entrez Gene	Alignments
	Probe Set ID							
FC ([ <i>BCR-ABL1</i> ] vs [ <i>CRLF2</i> ])	217022_s_at	11.586802	3.5344105	11.5868	up	<i>IGH//IGHA1//IGHA2</i>	3492///3493///3494	chr14:106173474-106518511 (-) // 86.68 // q32.33
	209676_at	9.685388	3.2758098	9.685388	up	<i>TFPI</i>	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
	212094_at	7.87984	2.9781663	7.87984	up	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
	203196_at	7.5775914	2.9217393	7.577591	up	<i>ABCC4</i>	10257	chr13:95672089-95953683 (-) // 98.2 // q32.1
	229589_x_at	7.4587994	2.8989434	7.458799	up	<i>BIVM</i>	54841	chr13:103493722-103493883 (-) // 58.97 // q33.1
	243727_at	7.1363645	2.8351893	7.136365	up	<i>CPNE8</i>	144402	chr12:39047710-39079496 (-) // 95.86 // q12
	211644_x_at	7.1031013	2.828449	7.103101	up	<i>IGKC</i>	3514	chr2:89160396-89442344 (-) // 97.55 // p11.2
	213258_at	7.0992227	2.827661	7.099223	up	<i>TFPI</i>	7035	chr2:188328956-188330208 (-) // 77.08 // q32.1
	210664_s_at	6.711683	2.7466745	6.711683	up	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	205726_at	6.6236024	2.727616	6.623602	up	<i>DIAPH2</i>	1730	chrX:95939710-96859992 (+) // 70.9 // q21.33 chrX:765305-1331616 (-) // 36.46 //
FC ([ <i>BCR-ABL1</i> ] vs [ <i>CRLF2</i> ])	208303_s_at	-27.42348	-4.77734	27.42348	down	<i>CRLF2</i>	64109	p22.33///chrY:1264893-1281616 (-) // 36.46 // p11.32
	229288_at	-11.51791	-3.525807	11.51791	down	<i>EPHA7</i>	2045	chr6:93949742-93950473 (-) // 76.75 // q16.1
	238533_at	-10.0104	-3.323428	10.0104	down	<i>EPHA7</i>	2045	chr6:93950469-93951606 (-) // 99.74 // q16.1
	210016_at	-9.168335	-3.19666	9.168335	down	<i>MYT1L</i>	23040	chr2:1792886-2335051 (-) // 92.31 // p25.3
	206852_at	-9.008268	-3.17125	9.008268	down	<i>EPHA7</i>	2045	chr6:93951803-94129244 (-) // 99.45 // q16.1
	1554633_a_at	-7.463434	-2.89984	7.463434	down	<i>MYT1L</i>	23040	chr2:1795304-2334966 (-) // 90.43 // p25.3
	1560018_at	-6.828112	-2.771487	6.828112	down	<i>ARPP21</i>	10777	chr3:35825570-35828018 (+) // 74.89 // p22.3
	220359_s_at	-6.804895	-2.766573	6.804895	down	<i>ARPP21</i>	10777	chr3:35721166-35727359 (+) // 96.28 // p22.3
	1556598_at	-6.677554	-2.73932	6.677554	down	<i>ARPP21</i>	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	210432_s_at	-6.634951	-2.730086	6.634951	down	<i>SCN3A</i>	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
FC ([ <i>BCR-ABL1</i> ] vs [ <i>ETV6-RUNX1</i> ])	1553849_at	28.219559	4.8186235	28.21956	up	<i>CCDC26</i>	137196	chr8:130363987-130382623 (-) // 40.2 // q24.21
	210830_s_at	24.87955	4.6368885	24.87955	up	<i>PON2</i>	5445	chr7:95034650-95064288 (-) // 99.73 // q21.3
	218035_s_at	20.12055	4.330598	20.12055	up	<i>RBM47</i>	54502	chr4:40425740-40517968 (-) // 97.34 // p14
	201876_at	20.098072	4.328985	20.09807	up	<i>PON2</i>	5445	chr7:95034174-95064295 (-) // 97.69 // q21.3
	207610_s_at	19.04257	4.2511563	19.04257	up	<i>ADGRE2</i>	30817	chr19:14846368-14887637 (-) // 97.52 // p13.12
	227998_at	17.447021	4.124909	17.44702	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	1553645_at	14.428183	3.8508177	14.42818	up	<i>CCDC141</i>	285025	chr2:179697304-179710470 (-) // 92.79 // q31.2
	218469_at	14.086425	3.8162336	14.08643	up	<i>GREM1</i>	26585	chr15:33010301-33026866 (+) // 99.65 // q13.3
	213189_at	12.150536	3.602948	12.15054	up	<i>MINA</i>	84864	chr3:97662924-97671129 (-) // 98.22 // q11.2
	241812_at	12.145084	3.6023006	12.14508	up	<i>SPATS2L</i>	26010	chr2:201341599-201342246 (+) // 40.46 // q33.1
FC ([ <i>BCR-ABL1</i> ] vs [ <i>ETV6-RUNX1</i> ])	223689_at	-167.5204	-7.388193	167.5204	down	<i>IGF2BP1</i>	10642	chr17:47074802-471127147 (+) // 99.79 // q21.32
	231455_at	-42.57822	-5.412044	42.57822	down	<i>LINC00487</i>	400941	chr2:6869299-6869779 (-) // 8.02 // p25.2
	238275_at	-33.82889	-5.080184	33.82889	down	<i>HAP1</i>	9001	chr17:39873997-39881327 (-) // 53.38 // q21.2 chr12:70079571-70079964 (+) // 92.39 // q15
	240178_at	-25.33491	-4.663055	25.33491	down		5796	chr6:128289931-128841513 (-) // 99.2 // q22.33
	203038_at	-24.61902	-4.621702	24.61902	down	<i>PTPRK</i>	144453	chr12:70047389-70047852 (-) // 97.03 // q15
	237003_at	-23.09635	-4.529593	23.09635	down	<i>BEST3</i>	120066	chr11:7846583-7847519 (-) // 100.0 // p15.4
	1553078_at	-21.53643	-4.428707	21.53643	down	<i>OR5P3</i>	2045	chr6:93951803-94129244 (-) // 99.45 // q16.1
	206852_at	-19.78967	-4.306676	19.78967	down	<i>EPHA7</i>	1948	chr13:107142097-107187462 (-) // 95.58 // q33.3
	202668_at	-18.95601	-4.244583	18.95601	down	<i>EFNB2</i>	2045	chr6:93949742-93950473 (-) // 76.75 // q16.1
	229288_at	-16.74511	-4.065668	16.74511	down	<i>EPHA7</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
FC ([ <i>BCR-ABL1</i> ] vs [ <i>MEF2D</i> ])	203373_at	534.36115	9.061671	534.3612	up	<i>SOCS2</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
	238689_at	393.23514	8.619248	393.2351	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (+) // 93.01 // p12.3
	203372_s_at	359.9735	8.491747	359.9735	up	<i>SOCS2</i>	8835	chr12:93966635-93969024 (+) // 100.0 // q22
	1559315_s_at	201.90578	7.6575384	201.9058	up	<i>SOCS2-AS1</i>	144481	chr12:93936239-93965628 (-) // 29.03 // q22
	227998_at	162.36745	7.3431187	162.3675	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	204030_s_at	148.93187	7.2185087	148.9319	up	<i>IQCI-SCHIP1//SCHIP1</i>	29970///100505385	chr3:158991543-159615139 (+) // 96.02 // q25.32
	209200_at	142.76144	7.1574626	142.7614	up	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
	236489_at	141.82465	7.1479645	141.8247	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	227923_at	138.86543	7.1175437	138.8654	up	<i>SHANK3</i>	85358	chr22:511590325-51171638 (+) // 92.82 // q13.33
	202242_at	112.25346	6.810616	112.2535	up	<i>TSPAN7</i>	7102	chrX:38420796-38548171 (+) // 99.25 // p11.4
FC ([ <i>BCR-ABL1</i> ] vs [ <i>MEF2D</i> ])	206806_at	-97.08046	-6.601109	97.08046	down	<i>DGKI</i>	9162	chr7:137074384-138037046 (-) // 89.79 // q33
	1553025_at	-96.56249	-6.593391	96.56249	down	<i>ADGRG6</i>	57211	chr6:142726824-142764664 (+) // 65.95 // q24.1
	240395_at	-77.9764	-6.284966	77.9764	down	<i>DGKI//LOC10012872</i>	9162///100128727	chr7:137069155-137069660 (-) // 68.09 // q33
	213094_at	-75.31664	-6.234897	75.31664	down	<i>ADGRG6</i>	57211	chr6:142726625-142767388 (+) // 98.09 // q24.1
	210033_s_at	-60.87012	-5.927662	60.87012	down	<i>SPAG6</i>	9576	chr10:22634415-22706536 (+) // 99.96 // p12.2
	242747_at	-57.26297	-5.839531	57.26297	down	<i>LOC105374869</i>	105374869	
	231223_at	-55.07549	-5.783339	55.07549	down	<i>CSMD1</i>	64478	chr8:2792875-2793277 (-) // 97.34 // p23.2
	239650_at	-53.84653	-5.750782	53.84653	down	<i>NCKAP5</i>	344148	chr2:133429372-133429887 (-) // 97.91 // q21.2
	228956_at	-45.15836	-5.496921	45.15836	down	<i>UGT8</i>	7368	chr4:115597646-115599380 (+) // 91.08 // q26
	239178_at	-45.05133	-5.493498	45.05133	down	<i>FGF9</i>	2254	chr13:22277427-22278133 (+) // 100.0 // q12.11
FC ([ <i>BCR-ABL1</i> ] vs [ <i>MLL</i> ])	238689_at	240.87468	7.912139	240.8747	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	227923_at	230.79477	7.8504667	230.7948	up	<i>SHANK3</i>	85358	chr22:511590325-51171638 (+) // 92.82 // q13.33
	236489_at	134.71242	7.073739	134.7124	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	229698_at	103.15962	6.6887345	103.1596	up	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	215937_at	99.50077	6.636636	99.50077	up	<i>PTGDR</i>	5729	chr14:52735176-52741741 (-) // 100.0 // q22.1
	212094_at	96.83233	6.597417	96.83233	up	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
	220454_s_at	92.382744	6.5295515	92.38274	up	<i>SEMA6A</i>	57556	chr5:115782196-115910504 (-) // 98.32 // q23.1
	203434_s_at	92.2935	6.528157	92.2935	up	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.06 // q25.2
	212364_at	75.972984	6.2474146	75.97298	up	<i>MYO1B</i>	4430	chr2:192160843-192290112 (+) // 95.31 // q32.3
	210875_s_at	75.878204	6.2456136	75.8782	up	<i>ZEB1</i>	6935	chr10:31608141-31816734 (+) // 94.76 // p11.22
FC ([ <i>BCR-ABL1</i> ] vs [ <i>MLL</i> ])	1559477_s_at	-245.2831	-7.938304	245.2831	down	<i>MEIS1</i>	4211	chr2:66662516-66798905 (+) // 98.16 // p14
	226415_at	-192.4536	-7.588367	192.4536	down	<i>VAT1L</i>	57687	chr16:77822490-78014003 (+) // 98.65 // q23.1
	204069_at	-183.661	-7.520902	183.661	down	<i>MEIS1</i>	4211	chr2:66662923-66799613 (+) // 98.33 // p14
	1559265_at	-175.4162	-7.454639	175.4162	down	<i>SKIDA1</i>	387640	chr10:21802406-21805716 (-) // 87.55 // p12.31
	219463_at	-107.5455	-6.748803	107.5455	down	<i>LAMP5</i>	24141	chr20:9495297-9511171 (+) // 100.0 // p12.2

	1557534_at	-44.59135	-5.478692	44.59135	down	<i>LOC339862</i>	339862	chr3:18308508-18310408 (+) // 80.54 // p24.3
	242172_at	-42.176	-5.39835	42.176	down			chr2:66793373-66793942 (+) // 96.92 // p14
	212686_at	-26.9344	-4.751378	26.9344	down	<i>PPMIH</i>	57460	chr12:63037767-63226046 (-) // 99.05 // q14.1
	209822_s_at	-24.12634	-4.592537	24.12634	down	<i>VLDLR</i>	7436	chr9:2622079-2654463 (+) // 98.14 // p24.2
	240463_at	-22.46299	-4.489478	22.46299	down			chr10:123990123-123990568 (+) // 38.7 // q26.13
FC ( <i>[BCR-ABL1]</i> vs <i>[TCF3-PBX1]</i> )	238689_at	378.54263	8.564312	378.5426	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	236489_at	125.87511	6.975849	125.8751	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	227923_at	119.22957	6.8975983	119.2296	down	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	227998_at	98.98003	6.6290655	98.98003	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	229698_at	87.67397	6.454077	87.67397	up	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	202242_at	76.33917	6.2543516	76.33917	up	<i>TSPAN7</i>	7102	chrX:38420796-38548171 (+) // 99.25 // p11.4
	212364_at	57.05091	5.834178	57.05091	up	<i>MYO1B</i>	4430	chr2:192160843-192290112 (+) // 95.31 // q32.3
	212298_at	47.016388	5.555092	47.01639	up	<i>NRP1</i>	8829	chr10:33466425-33623596 (-) // 97.9 // p11.22
	206940_s_at	45.797733	5.5172043	45.79773	up	<i>POU4F1</i>	5457	chr13:79173324-79176836 (-) // 88.55 // q31.1
	232539_at	40.93306	5.3551946	40.93306	up	<i>SOCS2</i>	8835	chr12:93974410-93979385 (+) // 47.02 // q22
FC ( <i>[BCR-ABL1]</i> vs <i>[TCF3-PBX1]</i> )	205253_at	-800.1575	-9.64414	800.1575	down	<i>PBX1</i>	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
	227441_s_at	-609.5574	-9.251618	609.5574	down	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
	227949_at	-251.9896	-7.97722	251.9896	down	<i>PHACTR3</i>	116154	chr20:58318161-58422766 (+) // 92.17 // q13.32
	212148_at	-232.5002	-7.861088	232.5002	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	231040_at	-184.2968	-7.525887	184.2968	down	<i>RORB</i>	6096	chr9:77307631-77308087 (+) // 96.6 // q21.13
	212151_at	-137.8825	-7.107296	137.8825	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	201579_at	-86.52967	-6.435123	86.52967	down	<i>FAT1</i>	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
	234985_at	-79.98794	-6.321711	79.98794	down	<i>LDLRAD3</i>	143458	chr11:36251772-36253697 (+) // 93.97 // p12.2
	243533_x_at	-72.01138	-6.170153	72.01138	down			chr12:99438003-99438316 (-) // 96.01 // q23.1
	240292_x_at	-67.37734	-6.074192	67.37734	down	<i>ANKS1B</i>	56899	chr12:99137751-99138287 (-) // 99.81 // q23.1
FC ( <i>[BCR-ABL1]</i> vs <i>[ZNF384]</i> )	238689_at	164.47862	7.3617563	164.4786	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	212094_at	112.35237	6.811887	112.3524	up	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
	236489_at	96.75727	6.596298	96.75727	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	204680_s_at	52.719418	5.7202625	52.71942	up	<i>RAPGEF5</i>	9771	chr7:22157921-22233334 (-) // 94.14 // p15.3
	206940_s_at	51.890076	5.6973867	51.89008	up	<i>POU4F1</i>	5457	chr13:79173324-79176836 (-) // 88.55 // q31.1
	204681_s_at	51.768997	5.6940165	51.769	up	<i>RAPGEF5</i>	9771	chr7:22157921-22233334 (-) // 94.41 // p15.3
	215937_at	50.747257	5.665258	50.74726	up	<i>PTGDR</i>	5729	chr14:52735176-52741741 (-) // 100.0 // q22.1
	211341_at	43.179447	5.432273	43.17945	up	<i>POU4F1</i>	5457	chr13:79173231-79177695 (-) // 89.78 // q31.1
	212298_at	34.01042	5.087905	34.01042	up	<i>NRP1</i>	8829	chr10:33466425-33623596 (-) // 97.9 // p11.22
	203434_s_at	33.271618	5.05622	33.27162	up	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.06 // q25.2
FC ( <i>[BCR-ABL1]</i> vs <i>[ZNF384]</i> )	236501_at	-136.9554	-7.097563	136.9554	down			chr20:50399783-50400264 (+) // 100.0 // q13.2
	229661_at	-59.55474	-5.896144	59.55474	down	<i>SALL4</i>	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
	210665_at	-30.46084	-4.928884	30.46084	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	210664_s_at	-19.76564	-4.304923	19.76564	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	209602_s_at	-18.40507	-4.202031	18.40507	down	<i>GATA3</i>	2625	chr10:8096669-8117213 (+) // 95.62 // p14
	212062_at	-16.61867	-4.054733	16.61867	down	<i>ATP9A</i>	10079	chr20:50213053-50384867 (-) // 98.9 // q13.2
	202988_s_at	-15.72744	-3.975212	15.72744	down	<i>RGS1</i>	5996	chr1:192544950-192549071 (+) // 96.74 // q31.2
	210432_s_at	-14.32957	-3.840923	14.32957	down	<i>SCN3A</i>	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
	209676_at	-14.31645	-3.839602	14.31645	down	<i>TFPI</i>	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
	213058_at	-13.29802	-3.73314	13.29802	down	<i>TTC28</i>	23331	chr22:28374003-28386064 (-) // 91.41 // q12.1
FC ( <i>[CRLF2]</i> vs <i>[ETV6-RUNX1]</i> )	208303_s_at	224.78728	7.8124166	224.7873	up	<i>CRLF2</i>	64109	p22.33//chrY:1264893-1281616 (-) // 36.46 // p11.32
	1553849_at	22.626205	4.4999228	22.62621	up	<i>CCDC26</i>	137196	chr8:130363987-130382623 (-) // 40.2 // q24.21
	227998_at	22.235817	4.4748135	22.23582	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	220389_at	19.700455	4.300157	19.70046	up	<i>CCDC81</i>	60494	chr11:86106223-86134150 (+) // 96.16 // q14.2
	237974_at	18.324993	4.1957407	18.32499	up	<i>ABHD12B</i>	145447	chr14:51371224-51371687 (+) // 37.14 // q22.1
	218035_s_at	16.395779	4.0352526	16.39578	up	<i>RBM47</i>	54502	chr4:40425740-40517968 (-) // 97.34 // p14
	232544_at	13.661778	3.7720733	13.66178	up			chr4:57966254-57969648 (-) // 60.18 // q12
	210016_at	12.92954	3.692599	12.92954	up	<i>MYT1L</i>	23040	chr2:1792886-2335051 (-) // 92.31 // p25.3
	207610_s_at	12.744857	3.6718433	12.74486	up	<i>ADGRE2</i>	30817	chr19:14846368-14887637 (-) // 97.52 // p13.12
	227954_at	12.625023	3.658214	12.62502	up	<i>ITPR1P2</i>	162073	chr16:19126959-19128212 (+) // 99.21 // p12.3
FC ( <i>[CRLF2]</i> vs <i>[ETV6-RUNX1]</i> )	223689_at	-266.5272	-8.058139	266.5272	down	<i>IGF2BP1</i>	10642	chr17:47074802-47127147 (+) // 99.79 // q21.32
	203431_s_at	-84.67062	-6.40379	84.67062	down	<i>ARHGAP32</i>	9743	chr11:128837841-128894009 (-) // 99.98 // q24.3
	240178_at	-43.42219	-5.440361	43.42219	down			chr12:70079571-70079964 (+) // 92.39 // q15
	231455_at	-41.77499	-5.384568	41.77499	down	<i>LINC00487</i>	400941	chr2:6869299-6869779 (-) // 8.02 // p25.2
	209676_at	-39.7107	-5.311456	39.7107	down	<i>TFPI</i>	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
	210664_s_at	-30.45114	-4.928424	30.45114	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	237003_at	-30.20558	-4.916743	30.20558	down	<i>BEST3</i>	144453	chr12:70047389-70047852 (-) // 97.03 // q15
	213258_at	-28.82986	-4.849492	28.82986	down	<i>TFPI</i>	7035	chr2:188328956-188330208 (-) // 77.08 // q32.1
	203038_at	-25.95649	-4.698023	25.95649	down	<i>PTPRK</i>	5796	chr6:128289931-128841513 (-) // 99.2 // q22.33
	213558_at	-23.12026	-4.531086	23.12026	down	<i>PCLO</i>	27445	chr7:82449795-82546134 (-) // 99.12 // q21.11
FC ( <i>[CRLF2]</i> vs <i>[MEF2D]</i> )	203373_at	537.7491	9.070789	537.7491	up	<i>SOCS2</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
	203372_s_at	307.08435	8.262491	307.0844	up	<i>SOCS2</i>	8835	chr12:93966635-93969024 (+) // 100.0 // q22
	238689_at	290.67953	8.183286	290.6795	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	208303_s_at	233.09908	7.8647995	233.0991	up	<i>CRLF2</i>	64109	chrX:765305-1331616 (-) // 36.46 // p11.32
	227998_at	206.93347	7.693023	206.9335	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	1559315_s_at	167.31346	7.3864098	167.3135	up	<i>SOCS2-AS1</i>	144481	chr12:93936239-93965628 (-) // 29.03 // q22
	236489_at	160.55687	7.3269405	160.5569	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	209200_at	142.27682	7.152557	142.2768	up	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
	227923_at	132.32083	7.0478964	132.3208	up	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	210432_s_at	129.97552	7.022096	129.9755	up	<i>SCN3A</i>	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
FC ( <i>[CRLF2]</i> vs <i>[MEF2D]</i> )	1553025_at	-247.2306	-7.949714	247.2306	down	<i>ADGRG6</i>	57211	chr6:142726824-142764664 (+) // 65.95 // q24.1
	206806_at	-162.0786	-7.34055	162.0786	down	<i>DGKI</i>	9162	chr7:137074384-138037046 (-) // 89.79 // q33
	239650_at	-130.0194	-7.022583	130.0194	down	<i>NCKAP5</i>	344148	chr2:133429372-133429887 (-) // 97.91 // q21.2
	240395_at	-129.4706	-7.01648	129.4706	down	<i>DGKI//LOC100128727</i>	9162//100128727	chr7:137069155-137069660 (-) // 68.09 // q33
	228956_at	-121.3987	-6.923609	121.3987	down	<i>UGT8</i>	7368	chr4:115597646-115599380 (+) // 91.08 // q26
	213094_at	-114.3147	-6.836867	114.3147	down	<i>ADGRG6</i>	57211	chr6:142726625-142767388 (+) // 98.09 // q24.1
	210033_s_at	-112.8007	-6.817633	112.8007	down	<i>SPAG6</i>	9576	chr10:22634415-22706536 (+) // 99.96 // p12.2

FC ([ <i>CRLF2</i> ] vs [ <i>MLL</i> ])	203431_s_at	-105.8328	-6.725643	105.8328	down	<i>ARHGAP32</i>	9743	chr11:128837841-128894009 (-) // 99.98 // q24.3
	221584_s_at	-65.99194	-6.044218	65.99194	down	<i>KCNMA1</i>	3778	chr10:78644637-79397291 (-) // 96.26 // q22.3
	208358_s_at	-60.73704	-5.924505	60.73704	down	<i>UGT8</i>	7368	chr4:115519909-115597486 (+) // 99.21 // q26
	227923_at	219.9177	7.78082	219.9177	up	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	238689_at	178.05464	7.4761763	178.0546	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	236489_at	152.50525	7.252715	152.5053	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	229698_at	127.31428	6.9922504	127.3143	up	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	203434_s_at	105.8531	6.7259197	105.8531	up	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.06 // q25.2
	208303_s_at	99.22241	6.632594	99.22241	up	<i>CRLF2</i>	64109	p22.33//chrY:1264893-1281616 (-) // 36.46 // p11.32
	203435_s_at	86.12277	6.428323	86.12277	up	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.53 // q25.2
FC ([ <i>CRLF2</i> ] vs [ <i>MLL</i> ])	206492_at	67.31439	6.072843	67.31439	up	<i>FHIT</i>	2272	chr3:59737946-61237124 (-) // 69.41 // p14.2
	210875_s_at	62.331303	5.961885	62.3313	up	<i>ZEB1</i>	6935	chr10:31608141-31816734 (+) // 94.76 // p11.22
	220454_s_at	61.475384	5.941937	61.47538	up	<i>SEMA6A</i>	57556	chr5:115782196-115910504 (-) // 98.32 // q23.1
	204069_at	-935.4745	-9.869555	935.4745	down	<i>MEIS1</i>	4211	chr2:66662923-66799613 (+) // 98.33 // p14
	1559477_s_at	-553.0705	-9.11132	553.0705	down	<i>MEIS1</i>	4211	chr2:66662516-66798905 (+) // 98.16 // p14
	226415_at	-313.5722	-8.292654	313.5722	down	<i>VATIL</i>	57687	chr16:77822490-78014003 (+) // 92.65 // q23.1
	219463_at	-155.7675	-7.283251	155.7675	down	<i>LAMP5</i>	24141	chr20:9495297-9511171 (+) // 100.0 // p12.2
	1559265_at	-125.4063	-6.970466	125.4063	down	<i>SKIDA1</i>	387640	chr10:21802406-21805716 (-) // 87.55 // p12.31
	242172_at	-68.27753	-6.093339	68.27753	down		chr2:66793373-66793942 (+) // 96.92 // p14	
	232231_at	-44.56324	-5.477782	44.56324	down	<i>RUNX2</i>	860	chr6:45515256-45518818 (+) // 70.84 // p21.1
FC ([ <i>CRLF2</i> ] vs [ <i>TCF3-PBX1</i> ])	209822_s_at	-38.54686	-5.268541	38.54686	down	<i>VLDLR</i>	7436	chr9:2622079-2654463 (+) // 98.14 // p24.2
	237439_at	-37.26444	-5.219728	37.26444	down	<i>USP43</i>	124739	chr17:9632728-9633004 (+) // 84.43 // p13.1
	209191_at	-33.83802	-5.080573	33.83802	down	<i>TUBB6</i>	84617	chr18:12308256-12326567 (+) // 98.43 // p11.21
	238689_at	279.81885	8.128349	279.8189	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	208303_s_at	192.5404	7.5890174	192.5404	up	<i>CRLF2</i>	64109	p22.33//chrY:1264893-1281616 (-) // 36.46 // p11.32
	236489_at	142.5007	7.154825	142.5007	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	227998_at	126.14765	6.9789696	126.1477	up	<i>SI00A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	227923_at	113.61043	6.8279514	113.6104	up	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	229698_at	108.20274	6.757593	108.2027	up	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	229288_at	69.42241	6.1173296	69.42241	up	<i>EPHA7</i>	2045	chr6:93949742-93950473 (-) // 76.75 // q16.1
FC ([ <i>CRLF2</i> ] vs [ <i>TCF3-PBX1</i> ])	206852_at	65.49045	6.0332127	65.49045	up	<i>EPHA7</i>	2045	chr6:93951803-94129244 (-) // 99.45 // q16.1
	202242_at	64.49895	6.011204	64.49895	up	<i>TSPAN7</i>	7102	chrX:38420796-38548171 (+) // 99.25 // p11.4
	205289_at	64.151596	6.003413	64.1516	up	<i>BMP2</i>	650	chr20:6748310-6760923 (+) // 97.71 // p12.3
	205253_at	-1176.626	-10.20044	1176.626	down	<i>PBX1</i>	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
	227441_s_at	-545.7316	-9.092048	545.7316	down	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
	212148_at	-422.5859	-8.723101	422.5859	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	227949_at	-414.5039	-8.695242	414.5039	down	<i>PHACTR3</i>	116154	chr20:58318161-58422766 (+) // 92.17 // q13.32
	212151_at	-226.7902	-7.825214	226.7902	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	234985_at	-213.3248	-7.736908	213.3248	down	<i>LDLRAD3</i>	143458	chr11:36251772-36253697 (+) // 93.97 // p13
	201579_at	-191.3501	-7.580071	191.3501	down	<i>FAT1</i>	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
FC ([ <i>CRLF2</i> ] vs [ <i>ZNF384</i> ])	231040_at	-151.7955	-7.245985	151.7955	down	<i>RORB</i>	6096	chr9:77307631-77308087 (+) // 96.6 // q21.13
	239650_at	-145.22	-7.182097	145.22	down	<i>NCKAP5</i>	344148	chr2:133429372-133429887 (-) // 97.91 // q21.2
	240292_x_at	-129.1649	-7.01307	129.1649	down	<i>ANKS1B</i>	56899	chr12:99137751-99138287 (-) // 99.81 // q23.1
	220359_s_at	213.98154	7.7413425	213.9815	up	<i>ARPP21</i>	10777	chr3:35721166-35727359 (+) // 96.28 // p22.3
	1556599_s_at	166.89355	7.3827844	166.8936	up	<i>ARPP21</i>	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	1556598_at	155.29666	7.278883	155.2967	up	<i>ARPP21</i>	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	238689_at	121.58266	6.9257936	121.5827	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	231935_at	118.03645	6.8830886	118.0364	up	<i>ARPP21</i>	10777	chr3:35731569-35835978 (+) // 97.11 // p22.3
	236489_at	109.53699	6.7752743	109.537	up	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
	227036_at	85.981865	6.4259605	85.98187	up	<i>RASAL2</i>	9462	chr1:178446192-178447985 (+) // 97.31 // q25.2
FC ([ <i>CRLF2</i> ] vs [ <i>ZNF384</i> ])	205289_at	82.435036	6.3651857	82.43504	up	<i>BMP2</i>	650	chr20:6748310-6760923 (+) // 97.71 // p12.3
	1552722_at	56.90767	5.830551	56.90767	up	<i>ARPP21</i>	10777	chr3:35722428-35726283 (+) // 94.39 // p22.3
	1560018_at	53.60792	5.7443743	53.60792	up	<i>ARPP21</i>	10777	chr3:35825570-35828018 (+) // 74.89 // p22.3
	236501_at	-400.3018	-8.644944	400.3018	down		chr20:50399783-50400264 (+) // 100.0 // q13.2	
	209676_at	-138.6604	-7.115412	138.6604	down	<i>TFPI</i>	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
	210664_s_at	-132.6607	-7.051597	132.6607	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	210665_at	-105.681	-6.723572	105.681	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	213258_at	-92.20155	-6.526719	92.20155	down	<i>TFPI</i>	7035	chr2:188328956-188330208 (-) // 77.08 // q32.1
	229661_at	-67.21104	-6.070626	67.21104	down	<i>SALL4</i>	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
	214378_at	-37.91134	-5.244557	37.91134	down	<i>TFPI</i>	7035	chr2:188393901-188419076 (-) // 57.23 // q32.1
FC ([ <i>ETV6-RUNX1</i> ] vs [ <i>MEF2D</i> ])	202988_s_at	-28.01057	-4.8079	28.01057	down	<i>RGS1</i>	5996	chr1:192544950-192549071 (+) // 96.74 // q31.2
	201445_at	-27.39118	-4.77564	27.39118	down	<i>CNN3</i>	1266	chr1:95362765-95392638 (-) // 98.44 // p21.3
	238107_at	-24.01292	-4.585739	24.01292	down		chr7:5465598-5466031 (+) // 97.09 // p22.1	
	203373_at	330.36414	8.367913	330.3641	up	<i>SOCS2</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
	210432_s_at	303.71863	8.246592	303.7186	up	<i>SCN3A</i>	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
	227923_at	281.1341	8.135115	281.1341	up	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	1553078_at	265.47446	8.052429	265.4745	up	<i>OR5P3</i>	120066	chr11:7846583-7847519 (-) // 100.0 // p15.4
	229698_at	233.13283	7.8650084	233.1328	up	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	203372_s_at	223.36797	7.8032784	223.368	up	<i>SOCS2</i>	8835	chr12:93966635-93969024 (+) // 100.0 // q22
	213558_at	203.38383	7.6680613	203.3838	up	<i>PCLO</i>	27445	chr7:82449795-82546134 (-) // 99.12 // q11.11
FC ([ <i>ETV6-RUNX1</i> ] vs [ <i>MEF2D</i> ])	238689_at	188.77202	7.560501	188.772	up	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
	206001_at	165.2085	7.368144	165.2085	up	<i>NPY</i>	4852	chr7:24324859-24331416 (+) // 96.16 // p15.3
	209200_at	154.4033	7.27056	154.4033	up	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
	213094_at	-146.259	-7.192382	146.259	down	<i>ADGRG6</i>	57211	chr6:142726625-142767388 (+) // 98.09 // q24.1
	206806_at	-110.9958	-6.794361	110.9958	down	<i>DGKI</i>	9162	chr7:137074384-138037046 (-) // 89.79 // q33
	1553025_at	-105.4539	-6.720469	105.4539	down	<i>ADGRG6</i>	57211	chr6:142726824-142764664 (+) // 65.95 // q24.1
	1553849_at	-83.0815	-6.376455	83.0815	down	<i>CCDC26</i>	137196	chr8:130363987-130382623 (-) // 40.2 // q24.21
	240395_at	-81.8541	-6.354983	81.8541	down	<i>DGKI//LOC100128727</i>	9162//100128727	chr7:137069155-137069660 (-) // 68.09 // q33
	210033_s_at	-65.74915	-6.0389	65.74915	down	<i>SPAG6</i>	9576	chr10:22634415-22706536 (+) // 99.96 // p12.2
	242976_at	-64.46685	-6.010486	64.46685	down		chr6:73397971-73398396 (+) // 38.25 // q13	
FC ([ <i>ETV6-RUNX1</i> ] vs [ <i>MEF2D</i> ])	215721_at	-64.22744	-6.005118	64.22744	down	<i>IGHG1//IGHV5-51</i>	3500//28388	chr14:107034162-107035220 (-) // 98.58 // q32.33
	244623_at	-60.12838	-5.909974	60.12838	down	<i>KCNQ5</i>	56479	chr6:73908065-73908580 (+) // 100.0 // q13
	228956_at	-54.91846	-5.779219	54.91846	down	<i>UGT8</i>	7368	chr4:115597646-115599380 (+) // 91.08 // q26

FC ([ <i>ETV6-RUNX1</i> ] vs [MLL])	227923_at	467.24588	8.868038	467.2459	up	<i>SHANK3</i>	85358 chr22:51159032-51171638 (+) // 92.82 // q13.33
	229698_at	301.31595	8.235133	301.316	up	<i>SHANK3</i>	85358 chr22:51161943-51162466 (+) // 85.1 // q13.33
	213558_at	189.52567	7.5662494	189.5257	up	<i>PCLO</i>	27445 chr7:82449795-82546134 (-) // 99.12 // q21.11
	223689_at	135.85803	7.085956	135.858	up	<i>IGF2BP1</i>	10642 chr17:47074802-47127147 (+) // 99.79 // q21.32
	203431_s_at	125.53582	6.9719553	125.5358	up	<i>ARHGAP32</i>	9743 chr11:128837841-128894009 (-) // 99.98 // q24.3
	238689_at	115.63158	6.8533916	115.6316	up	<i>ADGRF1</i>	266977 chr6:46977124-46980043 (-) // 93.01 // p12.3
	220454_s_at	103.99545	6.7003765	103.9954	up	<i>SEMA6A</i>	57556 chr5:115782196-115910504 (-) // 98.32 // q23.1
	208422_at	93.14877	6.541465	93.14877	up	<i>MSR1</i>	4481 chr8:15998287-16050168 (-) // 99.93 // p22
	212094_at	88.77659	6.4721074	88.77659	up	<i>PEG10</i>	23089 chr7:94285681-94299007 (+) // 95.76 // q21.3
	212092_at	85.72597	6.4216604	85.72597	up	<i>PEG10</i>	23089 chr7:94285681-94299007 (+) // 95.76 // q21.3
FC ([ <i>ETV6-RUNX1</i> ] vs [MLL])	204069_at	-344.1062	-8.42671	344.1062	down	<i>MEIS1</i>	4211 chr2:66662923-66799613 (+) // 98.33 // p14
	226415_at	-263.66	-8.042535	263.66	down	<i>VATIL</i>	57687 chr16:77822490-78014003 (+) // 98.65 // q23.1
	1559477_s_at	-251.7215	-7.975685	251.7215	down	<i>MEIS1</i>	4211 chr2:66662516-66798905 (+) // 98.16 // p14
	1559265_at	-182.187	-7.509276	182.187	down	<i>SKIDA1</i>	387640 chr10:21802406-21805716 (-) // 87.55 // p12.31
	219463_at	-140.0716	-7.130021	140.0716	down	<i>LAMP5</i>	24141 chr20:9495297-9511171 (+) // 100.0 // p12.2
	218469_at	-80.05001	-6.32283	80.05001	down	<i>GREM1</i>	26585 chr15:33010301-33026866 (+) // 99.65 // q13.3
	232231_at	-73.88348	-6.20718	73.88348	down	<i>RUNX2</i>	860 chr6:45515256-45518818 (+) // 70.84 // p21.1
	242976_at	-52.16884	-5.705116	52.16884	down		chr6:73397971-73398396 (+) // 38.25 // q13
	242172_at	-47.29325	-5.563562	47.29325	down		chr2:66793373-66793942 (+) // 96.92 // p14
	244623_at	-47.15624	-5.559377	47.15624	down	<i>KCNQ5</i>	56479 chr6:73908065-73908580 (+) // 100.0 // q13
FC ([ <i>ETV6-RUNX1</i> ] vs [TCF3-PBX1])	229698_at	256.0843	8.000475	256.0843	up	<i>SHANK3</i>	85358 chr22:51161943-51162466 (+) // 85.1 // q13.33
	227923_at	241.38124	7.9151697	241.3812	up	<i>SHANK3</i>	85358 chr22:51159032-51171638 (+) // 92.82 // q13.33
	213558_at	208.73625	7.7055373	208.7363	up	<i>PCLO</i>	27445 chr7:82449795-82546134 (-) // 99.12 // q21.11
	223689_at	185.73198	7.5370784	185.732	up	<i>IGF2BP1</i>	10642 chr17:47074802-47127147 (+) // 99.79 // q21.32
	238689_at	181.7189	7.5055647	181.7189	up	<i>ADGRF1</i>	266977 chr6:46977124-46980043 (-) // 93.01 // p12.3
	1553078_at	147.7639	7.20715	147.7639	up	<i>OR5P3</i>	120066 chr11:7846583-7847519 (-) // 100.0 // p15.4
	206852_at	143.87163	7.168638	143.8716	up	<i>EPHA7</i>	2045 chr6:93951803-94129244 (-) // 99.45 // q16.1
	210432_s_at	109.44524	6.7740655	109.4452	up	<i>SCN3A</i>	6328 chr2:165944039-166060553 (-) // 98.62 // q24.3
	229288_at	100.9286	6.6571913	100.9286	up	<i>EPHA7</i>	2045 chr6:93949742-93950473 (-) // 76.75 // q16.1
	203431_s_at	84.2212	6.3961115	84.2212	up	<i>ARHGAP32</i>	9743 chr11:128837841-128894009 (-) // 99.98 // q24.3
FC ([ <i>ETV6-RUNX1</i> ] vs [TCF3-PBX1])	227441_s_at	-822.2768	-9.68348	822.2768	down	<i>ANKS1B</i>	56899 chr12:99138036-99194959 (-) // 98.27 // q23.1
	205253_at	-407.4553	-8.670498	407.4553	down	<i>PBX1</i>	5087 chr1:164528936-164816309 (+) // 97.97 // q23.3
	227949_at	-252.4745	-7.979994	252.4745	down	<i>PHACTR3</i>	116154 chr20:58318161-58422766 (+) // 92.17 // q13.32
	212148_at	-216.277	-7.756736	216.277	down	<i>PBX1</i>	5087 chr1:164816353-164821067 (+) // 91.39 // q23.3
	212151_at	-133.8746	-7.064738	133.8746	down	<i>PBX1</i>	5087 chr1:164816353-164821067 (+) // 91.39 // q23.3
	224022_x_at	-102.3114	-6.676823	102.3114	down	<i>WNT16</i>	chr7:120969089-120981157 (+) // 98.56 // q31.31
	239092_at	-95.82947	-6.582398	95.82947	down	<i>ITGA8</i>	8516 chr10:15638513-15646269 (-) // 88.85 // p13
	231040_at	-92.71056	-6.534662	92.71056	down	<i>RORB</i>	6096 chr9:77307631-77308087 (+) // 96.6 // q21.13
	240292_x_at	-89.49863	-6.483794	89.49863	down	<i>ANKS1B</i>	56899 chr12:99137751-99138287 (-) // 99.81 // q23.1
	234985_at	-83.51479	-6.38396	83.51479	down	<i>LDLRAD3</i>	143458 chr11:36251772-36253697 (+) // 93.97 // p13
FC ([ <i>ETV6-RUNX1</i> ] vs [ZNF384])	220359_s_at	163.05711	7.3492336	163.0571	up	<i>ARPP21</i>	10777 chr3:35721166-35727359 (+) // 96.28 // p22.3
	223689_at	145.9068	7.1889033	145.9068	up	<i>IGF2BP1</i>	10642 chr17:47074802-47127147 (+) // 99.79 // q21.32
	1556598_at	135.91881	7.0866013	135.9188	up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
	1556599_s_at	118.47068	6.8883862	118.4707	up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
	231935_at	114.76572	6.842548	114.7657	up	<i>ARPP21</i>	10777 chr3:35731569-35835978 (+) // 97.11 // p22.3
	212094_at	103.00549	6.6865773	103.0055	up	<i>PEG10</i>	23089 chr7:94285681-94299007 (+) // 95.76 // q21.3
	1553078_at	85.838615	6.423555	85.83862	up	<i>OR5P3</i>	120066 chr11:7846583-7847519 (-) // 100.0 // p15.4
	227036_at	82.20613	6.361174	82.20613	up	<i>RASAL2</i>	9462 chr1:178446192-178447985 (+) // 97.31 // q25.2
	238689_at	78.957756	6.303009	78.95776	up	<i>ADGRF1</i>	266977 chr6:46977124-46980043 (-) // 93.01 // p12.3
	213558_at	73.969055	6.20885	73.96906	up	<i>PCLO</i>	27445 chr7:82449795-82546134 (-) // 99.12 // q21.11
FC ([ <i>ETV6-RUNX1</i> ] vs [ZNF384])	209602_s_at	-31.06497	-4.957217	31.06497	down	<i>GATA3</i>	2625 chr10:8096669-8117213 (+) // 95.62 // p14
	207610_s_at	-31.00198	-4.954289	31.00198	down	<i>ADGRE2</i>	30817 chr19:14846368-14887637 (-) // 97.52 // p13.12
	236501_at	-24.88425	-4.637161	24.88425	down		chr20:50399783-50400264 (+) // 100.0 // q13.2
	1556385_at	-22.6691	-4.502655	22.6691	down		chr11:67136401-67138578 (-) // 98.18 // q13.2
	235146_at	-21.73052	-4.44165	21.73052	down	<i>TMCC3</i>	57458 chr12:94960882-94961956 (-) // 99.91 // q22.2
	227998_at	-18.69305	-4.22443	18.69305	down	<i>S100A16</i>	140576 chr1:153579361-153579825 (-) // 80.19 // q21.3
	228303_at	-18.3442	-4.197252	18.3442	down	<i>GALNT6</i>	11226 chr12:51745656-51746252 (-) // 73.65 // q13.13
	220568_at	-18.21761	-4.187262	18.21761	down		chr11:33894740-33896541 (-) // 86.74 // p15
	1553849_at	-17.58237	-4.136057	17.58237	down	<i>CCDC26</i>	137196 chr8:130363987-130382623 (-) // 40.2 // q24.21
	209604_s_at	-17.02195	-4.089324	17.02195	down	<i>GATA3</i>	2625 chr10:8096772-8116487 (+) // 96.76 // p14
FC ([ <i>MEF2D</i> ] vs [MLL])	213050_at	165.1468	7.367605	165.1468	up	<i>COBL</i>	23242 chr7:51083909-51384496 (-) // 99.25 // p12.1
	225369_at	158.504	7.3083754	158.504	up	<i>ESAM</i>	90952 chr11:124623025-124632167 (-) // 97.98 // q24.2
	203431_s_at	156.91168	7.293809	156.9117	up	<i>ARHGAP32</i>	9743 chr11:128837841-128894009 (-) // 99.98 // q24.3
	1552496_a_at	156.77109	7.2925158	156.7711	up	<i>COBL</i>	23242 chr7:51084978-51103652 (-) // 92.11 // p12.1
	213094_at	142.25336	7.152319	142.2534	up	<i>ADGRG6</i>	57211 chr6:142726625-142767388 (+) // 98.09 // q24.1
	1553025_at	121.24793	6.9218163	121.2479	up	<i>ADGRG6</i>	57211 chr6:142726824-142764664 (+) // 65.95 // q24.1
	206806_at	103.04137	6.68708	103.0414	up	<i>DGKI</i>	9162 chr7:137074384-138037046 (-) // 89.79 // q33
	1559827_at	92.60098	6.5329556	92.60098	up	<i>LINC00960</i>	401074 chr3:75721432-75722390 (+) // 33.33 // p12.3
	240395_at	84.37603	6.3987613	84.37603	up	<i>DGKI//LOC100128727</i>	9162//100128727 chr7:137069155-137069660 (-) // 68.09 // q33
	235099_at	80.105934	6.3238373	80.10593	up	<i>CMTM8</i>	152189 chr3:32398903-32411811 (+) // 98.85 // p22.3
FC ([ <i>MEF2D</i> ] vs [MLL])	203431_s_at	158.41647	7.3075786	158.4165	up	<i>ARHGAP32</i>	9743 chr11:128837841-128894009 (-) // 99.98 // q24.3
	213050_at	154.88837	7.275085	154.8884	up	<i>COBL</i>	23242 chr7:51083909-51384496 (-) // 99.25 // p12.1
	1552496_a_at	151.85094	7.246512	151.8509	up	<i>COBL</i>	23242 chr7:51084978-51103652 (-) // 92.11 // p12.1
	225369_at	150.93758	7.237808	150.9376	up	<i>ESAM</i>	90952 chr11:124623025-124632167 (-) // 97.98 // q24.2
	213094_at	145.65346	7.186396	145.6535	up	<i>ADGRG6</i>	57211 chr6:142726625-142767388 (+) // 98.09 // q24.1
	1553025_at	127.7383	6.9970474	127.7383	up	<i>ADGRG6</i>	57211 chr6:142726824-142764664 (+) // 65.95 // q24.1
	206806_at	95.4291	6.5763574	95.4291	up	<i>DGKI</i>	9162 chr7:137074384-138037046 (-) // 89.79 // q33
	1559827_at	88.07385	6.460642	88.07385	up	<i>LINC00960</i>	401074 chr3:75721432-75722390 (+) // 33.33 // p12.3
	241871_at	82.57313	6.3676004	82.57313	up	<i>CAMK4</i>	814 chr5:110820673-110821638 (+) // 99.48 // q22.1
	235099_at	80.14876	6.3246083	80.14876	up	<i>CMTM8</i>	152189 chr3:32398903-32411811 (+) // 98.85 // p22.3
FC ([ <i>MEF2D</i> ] vs [ZNF384])	230597_at	282.79184	8.143597	282.7918	up	<i>SLC7A3</i>	84889 chrX:70145431-70146018 (-) // 96.24 // q13.1
	213094_at	107.2253	6.7445016	107.2253	up	<i>ADGRG6</i>	57211 chr6:142726625-142767388 (+) // 98.09 // q24.1
	242747_at	96.64905	6.5946836	96.64905	up	<i>LOC105374869</i>	105374869
	1556599_s_at	93.381874	6.5450706	93.38187	up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
	1556598_at	92.63576	6.5334973	92.63576	up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
	1553025_at	86.27633	6.430893	86.27633	up	<i>ADGRG6</i>	57211 chr6:142726824-142764664 (+) // 65.95 // q24.1



FC ([MEF2D] vs [ZNF384])	204681_s_at	72.56965	6.1812944	72.56965	up	RAPGEF5	9771	chr7:22157921-22233334 (-) // 94.41 // p15.3
	204680_s_at	70.92104	6.148142	70.92104	up	RAPGEF5	9771	chr7:22157921-22233334 (-) // 94.14 // p15.3
	210473_s_at	69.93411	6.1279244	69.93411	up	ADGRA3	166647	chr4:22389006-22403181 (-) // 49.47 // p15.2
	206806_at	68.753105	6.103353	68.75311	up	DGKI	9162	chr7:137074384-138037046 (-) // 89.79 // q33
	210664_s_at	-418.2018	-8.708056	418.2018	down	TFPI	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	211214_s_at	-295.2457	-8.205772	295.2457	down	DAPK1	1612	chr9:90112803-90260886 (+) // 88.99 // q21.33
	210432_s_at	-280.7094	-8.132934	280.7094	down	SCN3A	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
	210665_at	-189.1149	-7.563119	189.1149	down	TFPI	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	227998_at	-173.9634	-7.44264	173.9634	down	SI00A16	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	227923_at	-168.0186	-7.392477	168.0186	down	SHANK3	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
203373_at	-167.2664	-7.386004	167.2664	down	SOCS2	8835	chr12:93966458-93969978 (+) // 94.2 // q22	
209676_at	-146.9291	-7.198977	146.9291	down	TFPI	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1	
229698_at	-130.0933	-7.023402	130.0933	down	SHANK3	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33	
203372_s_at	-112.686	-6.816165	112.686	down	SOCS2	8835	chr12:93966635-93969024 (+) // 100.0 // q22	
FC ([MLL] vs [TCF3-PBX1])	1559265_at	381.97803	8.577346	381.978	up	SKIDA1	387640	chr10:21802406-21805716 (-) // 87.55 // p12.31
	204069_at	330.88495	8.370186	330.885	up	MEIS1	4211	chr2:66662923-66799613 (+) // 98.33 // p14
	1559477_s_at	225.36842	7.8161416	225.3684	up	MEIS1	4211	chr2:66662516-66798905 (+) // 98.16 // p14
	232231_at	82.840065	6.3722568	82.84007	up	RUNX2	860	chr6:45515256-45518818 (+) // 70.84 // p21.1
	242172_at	69.99496	6.129179	69.99496	up			chr2:66793373-66793942 (+) // 96.92 // p14
	204304_s_at	57.184456	5.837551	57.18446	up	PROM1	8842	chr4:15969856-16077566 (-) // 99.92 // p15.32
	1557534_at	49.135483	5.6186934	49.13548	up	LOC339862	339862	chr3:18308508-18310408 (+) // 80.54 // p24.3
	212686_at	36.371098	5.1847205	36.3711	up	PPMIH	57460	chr12:63037767-63226046 (-) // 99.05 // q14.1
	232539_at	33.397217	5.061656	33.39722	up	SOCS2	8835	chr12:93974410-93979385 (+) // 47.02 // q22
	203373_at	25.520748	4.673599	25.52075	up	SOCS2	8835	chr12:93966458-93969978 (+) // 94.2 // q22
FC ([MLL] vs [TCF3-PBX1])	205253_at	-1361.198	-10.41066	1361.198	down	PBX1	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
	227441_s_at	-1110.394	-10.11686	1110.394	down	ANKS1B	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
	212148_at	-509.5727	-8.993144	509.5727	down	PBX1	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	212151_at	-278.6711	-8.122419	278.6711	down	PBX1	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	225369_at	-185.3915	-7.534432	185.3915	down	ESAM	90952	chr11:124623025-124632167 (-) // 97.98 // q24.2
	201579_at	-166.4601	-7.379033	166.4601	down	FAT1	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
	235099_at	-141.2774	-7.142386	141.2774	down	CMTM8	152189	chr3:32398903-32411811 (+) // 98.85 // p22.3
	224022_x_at	-133.2301	-7.057777	133.2301	down	WNT16	51384	chr7:120969089-120981157 (+) // 98.56 // q31.31
	227439_at	-131.7336	-7.04148	131.7336	down	ANKS1B	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
	240292_x_at	-129.8667	-7.020887	129.8667	down	ANKS1B	56899	chr12:99137751-99138287 (-) // 99.81 // q23.1
FC ([MLL] vs [ZNF384])	226415_at	272.51733	8.090204	272.5173	up	VAT1L	57687	chr16:77822490-78014003 (+) // 98.65 // q23.1
	1556599_s_at	185.19818	7.532926	185.1982	up	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	220359_s_at	167.31584	7.3864303	167.3158	up	ARPP21	10777	chr3:35721166-35727359 (+) // 96.28 // p22.3
	1556598_at	147.62741	7.2058167	147.6274	up	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	2295265_at	141.19534	7.1415486	141.1953	up	SKIDA1	387640	chr10:21802406-21805716 (-) // 87.55 // p12.31
	204069_at	134.81964	7.074887	134.8196	up	MEIS1	4211	chr2:66662923-66799613 (+) // 98.33 // p14
	219463_at	117.67395	6.878651	117.674	up	LAMP5	24141	chr20:9495297-9511171 (+) // 100.0 // p12.2
	1559477_s_at	81.432526	6.347533	81.43253	up	MEIS1	4211	chr2:66662516-66798905 (+) // 98.16 // p14
	231935_at	65.665886	6.037072	65.66589	up	ARPP21	10777	chr3:35731569-35835978 (+) // 97.11 // p22.3
	223475_at	51.06028	5.6741295	51.06028	up	CRISPLDI1	83690	chr8:75897111-75945532 (+) // 100.0 // q21.11
FC ([MLL] vs [ZNF384])	236501_at	-362.6864	-8.502579	362.6864	down			chr20:50399783-50400264 (+) // 100.0 // q13.2
	227923_at	-279.2473	-8.1254	279.2473	down	SHANK3	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	201445_at	-275.2679	-8.104692	275.2679	down	CNN3	1266	chr1:95362765-95362638 (-) // 98.44 // p21.3
	210664_s_at	-187.5355	-7.55102	187.5355	down	TFPI	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	229698_at	-168.1409	-7.393527	168.1409	down	SHANK3	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	209676_at	-168.111	-7.393271	168.111	down	TFPI	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
	228297_at	-140.303	-7.132402	140.303	down			chr1:95362512-95362927 (+) // 88.38 // p21.3
	229661_at	-130.8472	-7.031739	130.8472	down	SALLA	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
	211214_s_at	-112.7575	-6.817079	112.7575	down	DAPK1	1612	chr9:90112803-90260886 (+) // 88.99 // q21.33
	225369_at	-111.2021	-6.79704	111.2021	down	ESAM	90952	chr11:124623025-124632167 (-) // 97.98 // q24.2
FC ([TCF3-PBX1] vs [ZNF384])	227441_s_at	747.7279	9.54637	747.7279	up	ANKS1B	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
	205253_at	563.4566	9.138161	563.4566	up	PBX1	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
	212148_at	256.3685	8.002075	256.3685	up	PBX1	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	1556598_at	249.16243	7.9609427	249.1624	up	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	227949_at	208.83775	7.7062387	208.8378	up	PHACTR3	116154	chr20:58318161-58422766 (+) // 92.17 // q13.32
	1556599_s_at	205.61859	7.683827	205.6186	up	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
	231040_at	173.12221	7.435647	173.1222	up	RORB	6096	chr9:77307631-77308087 (+) // 96.6 // q21.13
	212151_at	146.0126	7.189949	146.0126	up	PBX1	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
	220389_at	123.07043	6.9433403	123.0704	up	CCDC81	60494	chr11:86106223-86134150 (+) // 96.16 // q14.2
	227036_at	122.82803	6.940496	122.828	up	RASAL2	9462	chr1:178446192-178447985 (+) // 97.31 // q25.2
FC ([TCF3-PBX1] vs [ZNF384])	236501_at	-275.225	-8.104467	275.225	down			chr20:50399783-50400264 (+) // 100.0 // q13.2
	209602_s_at	-178.5827	-7.480449	178.5827	down	GATA3	2625	chr10:8096669-8117213 (+) // 95.62 // p14
	227923_at	-144.2604	-7.172531	144.2604	down	SHANK3	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
	229698_at	-142.9007	-7.158869	142.9007	down	SHANK3	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
	210665_at	-116.7283	-6.86701	116.7283	down	TFPI	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	227998_at	-106.049	-6.728587	106.049	down	SI00A16	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
	210432_s_at	-101.1538	-6.660407	101.1538	down	SCN3A	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
	210664_s_at	-99.89134	-6.642288	99.89134	down	TFPI	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
	229661_at	-77.66001	-6.2791	77.66001	down	SALLA	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
	211214_s_at	-61.4101	-5.940404	61.4101	down	DAPK1	1612	chr9:90112803-90260886 (+) // 88.99 // q21.33
FC ([MEF2D] vs [TCF3-PBX1])	213094_at	221.00047	7.7879057	221.0005	up	ADGRG6	57211	chr6:142726625-142767388 (+) // 98.09 // q24.1
	1553025_at	162.2364	7.3419538	162.2364	up	ADGRG6	57211	chr6:142726824-142764664 (+) // 65.95 // q24.1
	240395_at	138.70108	7.115835	138.7011	up	DGKI//LOC100128727	9162//100128727	chr7:137069155-137069660 (-) // 68.09 // q33
	206806_at	111.52378	6.8012075	111.5238	up	DGKI	9162	chr7:137074384-138037046 (-) // 89.79 // q33
	203431_s_at	105.27107	6.717965	105.2711	up	ARHGAP32	9743	chr11:128837841-128894009 (-) // 99.98 // q24.3
	203038_at	97.84575	6.6124372	97.84575	up	PTPRK	5796	chr6:128289931-128841513 (-) // 99.2 // q22.33
	209602_s_at	40.127357	5.3265142	40.12736	up	GATA3	2625	chr10:8096669-8117213 (+) // 95.62 // p14
	230551_at	24.944912	4.6406736	24.94491	up	KSR2	283455	chr12:117890858-117891310 (-) // 87.61 // q24.22
	232914_s_at	19.126116	4.257472	19.12612	up	SYTL2	54843	chr11:85405326-85522178 (-) // 99.08 // q14.1
	205826_at	18.695738	4.2246375	18.69574	up	MYO2	9172	chr8:1993247-2093379 (+) // 99.21 // p23.3
225496_s_at	18.42061	4.203249	18.42061	up	SYTL2	54843	chr11:85405263-85426180 (-) // 97.27 // q14.1	
201976_s_at	17.700762	4.1457396	17.70076	up	MYO10	4651	chr5:16665412-16936139 (-) // 99.08 // p15.1	

212686_at	17.468632	4.1266947	17.46863	up	PPM1H	57460	chr12:63037767-63226046 (-) // 99.05 // q14.1
206385_s_at	16.130053	4.011679	16.13005	up	ANK3	288	chr10:61788159-62149488 (-) // 99.47 // q21.2
220613_s_at	15.500665	3.9542582	15.50067	up	SYTL2	54843	chr11:85444653-85468788 (-) // 82.64 // q14.1
243313_at	15.488819	3.9531553	15.48882	up	SYNPO2L	79933	chr10:75404638-75405095 (-) // 99.35 // q22.2
242952_at	14.529079	3.8608713	14.52908	up			chr7:18559232-18559703 (+) // 49.58 // p21.1
216874_at	14.056555	3.8131711	14.05656	up	LOC100505498	100505498	
209604_s_at	11.057326	3.4669306	11.05733	up	GATA3	2625	chr10:8096772-8116487 (+) // 96.76 // p14
211597_s_at	10.680705	3.416935	10.68071	up	HOPX	84525	chr4:57514165-57524065 (-) // 91.34 // q12
229589_x_at	10.487624	3.390616	10.48762	up	BIVM	54841	chr13:103493722-103493883 (-) // 58.97 // q33.1
225540_at	9.438071	3.238492	9.438071	up	MAP2	4133	chr2:210596755-210598836 (+) // 95.43 // q34
238733_at	9.125913	3.1899688	9.125913	up	MDM2	4193	chr12:69244012-69244725 (+) // 65.38 // q15
204686_at	9.119561	3.1889644	9.119561	up	IRS1	3667	chr2:227599937-227664475 (-) // 97.31 // q36.3
1557534_at	8.054234	3.0097473	8.054234	up	LOC339862	339862	chr3:18308508-18310408 (+) // 80.54 // p24.3
203917_at	8.02871	3.0051682	8.02871	up	CXADR	1525	chr21:18885394-18939265 (+) // 97.9 // q21.1
239567_at	7.9457498	2.9901834	7.94575	up			chr4:148676845-148677300 (+) // 60.03 // q31.23
211586_s_at	7.6560664	2.9366033	7.656066	up	ATP2B2	491	chr3:10370484-10547246 (-) // 99.23 // p25.3
212592_at	7.6375504	2.93311	7.63755	up	JCHAIN	3512	chr4:71521258-71532344 (-) // 95.36 // q13.3
240178_at	7.607815	2.9274821	7.607815	up			chr12:70079571-70079964 (+) // 92.39 // q15
210015_s_at	7.588974	2.923905	7.588974	up	MAP2	4133	chr2:210517906-210595233 (+) // 99.46 // q34
226325_at	7.4592814	2.8990366	7.459281	up	ADSSL1	122622	chr14:105205698-105213647 (+) // 95.77 // q32.33
206310_at	7.439975	2.8952978	7.439975	up	SPINK2	6691	chr4:57676033-57687893 (-) // 98.15 // q12
233911_s_at	7.3686295	2.8813963	7.36863	up	PPM1H	57460	chr12:63042213-63328930 (-) // 94.34 // q14.1
221584_s_at	7.297053	2.8673139	7.297053	up	KCNMA1	3778	chr10:78644637-79397291 (-) // 96.26 // q22.3
217542_at	7.245093	2.8570042	7.245093	up	MDM2	4193	chr12:69238755-69239321 (+) // 77.06 // q15.1
222761_at	7.21376	2.8507514	7.21376	up	BIVM	54841	chr13:103451504-103494222 (+) // 91.27 // q33.1
228384_s_at	7.094211	2.8266423	7.094211	up	PYROXD2	84795	chr10:100143321-100152732 (-) // 88.53 // q24.2
205659_at	6.908692	2.7884126	6.908692	up	HDAC9	9734	chr7:18535368-18708465 (+) // 100.0 // p21.1
237775_x_at	6.8848686	2.7834291	6.884869	up			chr2:179594882-179595242 (+) // 87.69 // q31.2
209603_at	6.6864977	2.7412508	6.686498	up	GATA3	2625	chr10:8096669-8117213 (+) // 95.62 // p14
230597_at	6.460864	2.6917272	6.460864	up	SLC7A3	84889	chrX:70145431-70146018 (-) // 96.24 // q13.1
216120_s_at	6.4506583	2.6894464	6.450658	up	ATP2B2	491	chr3:10369785-10491297 (-) // 98.08 // p25.3
233255_s_at	6.4016566	2.6784453	6.401657	up	BIVM	54841	chr13:103472736-103492498 (+) // 92.22 // q33.1
238933_at	6.360143	2.6690593	6.360143	up	IRS1	3667	chr2:227656695-227657564 (-) // 95.98 // q36.3
242771_at	6.2951193	2.6542337	6.295119	up	TTN	7273	chr2:179497944-179498463 (+) // 98.27 // q31.2
1553849_at	6.292521	2.6536381	6.292521	up	CCDC26	137196	chr8:130363987-130382623 (-) // 40.2 // q24.21
237439_at	6.171617	2.6256485	6.171617	up	USP43	124739	chr17:9632728-9633004 (+) // 84.43 // p13.1
1559167_x_at	6.0204563	2.5898728	6.020456	up	MPV17L	255027	chr16:15489610-16099412 (+) // 50.38 // p13.11
1563881_at	5.9810667	2.5804029	5.981067	up	MAG11	9223	
237003_at	5.918861	2.5653195	5.918861	up	BEST3	144453	chr12:70047389-70047852 (-) // 97.03 // q15
1553645_at	5.666481	2.502453	5.666481	up	CCDC141	285025	chr2:179697304-179710470 (-) // 92.79 // q31.2
224520_s_at	5.4770775	2.4534063	5.477078	up	BEST3	144453	chr12:70077018-70093113 (-) // 70.52 // q15
230968_at	5.3476596	2.4189076	5.34766	up	HDAC9	9734	chr7:19041411-19042039 (+) // 97.21 // p21.1
225160_x_at	5.335328	2.415577	5.335328	up	MDM2	4193	chr12:69234746-69238051 (+) // 84.47 // q15
219471_at	5.019747	2.3276145	5.019747	up	KIAA0226L	80183	chr13:46917101-46961384 (-) // 99.28 // q14.13
1555492_a_at	5.0171614	2.3268714	5.017161	up	BEST3	144453	chr12:70065206-70093141 (-) // 84.46 // q15
221583_s_at	5.0150976	2.3262777	5.015098	up	KCNMA1	3778	chr10:78644636-79397568 (-) // 95.13 // q22.3
226364_at	4.9573665	2.309574	4.957367	up	HIP1	3092	chr7:75162620-75163920 (-) // 83.01 // q11.23
205385_at	4.9468493	2.30651	4.946849	up	MDM2	4193	chr12:69201967-69234214 (-) // 87.1 // q15
1557994_at	4.8384514	2.2745454	4.838451	up	TTN	7273	chr2:179544620-179570084 (-) // 94.29 // q31.2
206674_at	4.7227187	2.2396176	4.722719	up	FLT3	2322	chr13:2857752-28674705 (-) // 99.14 // p21.2
1552760_at	4.5543613	2.1872487	4.554361	up	HDAC9	9734	chr7:18535368-19036398 (+) // 96.51 // p21.1
209822_s_at	4.54062	2.1828892	4.54062	up	VLDLR	7436	chr9:2622079-2654463 (+) // 98.14 // p24.2
213222_at	4.4642925	2.1584315	4.464293	up	PLCB1	23236	chr20:8113295-8865547 (+) // 98.51 // p12.3
216028_at	4.3853083	2.1326783	4.385308	up			
1569956_at	4.314308	2.1091292	4.314308	up	MYLK	4638	chr3:123329583-123330850 (-) // 57.29 // q21.1
241871_at	4.3110504	2.1080394	4.31105	up	CAMK4	814	chr5:110820673-110821638 (+) // 99.48 // q22.1
230128_at	4.304541	2.1058595	4.304541	up	CKAP2	26586	chr22:23230013-23232345 (+) // 64.14 // p11.22
204891_s_at	4.23821	2.083455	4.23821	up	LCK	3932	chr1:32716931-32751761 (+) // 92.03 // p35.1
211925_s_at	4.21691	2.0761862	4.21691	up	PLCB1	23236	chr20:8128682-8862496 (+) // 99.53 // p12.3
231234_at	4.2122793	2.0746012	4.212279	up	CTSC	1075	chr11:88053980-88054560 (-) // 24.51 // q14.2
214645_at	4.0761123	2.0271938	4.076112	up			chr9:71599554-71605112 (+) // 30.62 // q21.11
205386_s_at	4.063511	2.0227268	4.063511	up	MDM2	4193	chr12:69201970-69234214 (+) // 87.73 // q15
1552758_at	4.0365663	2.0131285	4.036566	up	HDAC9	9734	chr7:18535368-19036398 (+) // 96.51 // p21.1
229114_at	3.8930907	1.9609159	3.893091	up	GAB1	2549	chr4:144393988-144394654 (+) // 96.25 // q31.21
239832_at	3.8604648	1.9487746	3.860465	up			chr9:71558088-71558577 (+) // 98.57 // q21.11
205295_at	3.8279977	1.93659	3.827998	up	CKMT2	1160	chr5:80539858-80562216 (+) // 99.06 // q14.1
205426_s_at	3.8086355	1.9292742	3.808636	up	HIP1	3092	chr7:75165774-75228560 (-) // 99.77 // q11.23
211832_s_at	3.793582	1.9235607	3.793582	up	MDM2	4193	chr12:69203006-69233629 (+) // 100.0 // q15
204836_at	3.7796533	1.9182539	3.779653	up	GLDC	2731	chr9:6532468-6645650 (-) // 98.31 // p24.1
205425_at	3.7415934	1.9036528	3.741593	up	HIP1	3092	chr7:75163857-75228560 (-) // 86.45 // q11.23
242826_at	3.6972442	1.8864503	3.697244	up			
238154_at	3.6854243	1.8818307	3.685424	up	CEP70	80321	chr3:138215751-138216171 (-) // 91.52 // q22.3
217373_x_at	3.6844249	1.8814394	3.684425	up	MDM2	4193	chr12:69202991-69233629 (+) // 100.0 // q15
236328_at	3.6151931	1.8540727	3.615193	up	ZNF285	26974	chr19:44889801-44889288 (-) // 53.69 // q13.31
203517_at	3.6063328	1.8505325	3.606333	up	MTX2	10651	chr2:177134156-177202662 (+) // 99.45 // q31.1
213309_at	3.5909958	1.844384	3.590996	up	PLCL2	23228	chr3:16926451-17132087 (+) // 97.28 // p24.3
204890_s_at	3.5671618	1.8347766	3.567162	up	LCK	3932	chr1:32739806-32751342 (+) // 99.18 // p35.1
212070_at	3.5574276	1.8308344	3.557428	up	ADGRG1	9289	chr16:57662637-57699071 (+) // 85.48 // q21
218469_at	3.5100355	1.8114856	3.510036	up	GREM1	26585	chr15:33010301-33026866 (+) // 99.65 // q13.3
231150_at	3.4942534	1.8049842	3.494253	up			chr18:9473420-9473892 (-) // 80.88 // p11.22
210349_at	3.3999884	1.765528	3.399984	up	CAMK4	814	chr5:110559647-110820283 (+) // 98.29 // q22.1
236501_at	3.3997793	1.7654411	3.399779	up			chr20:50399783-50400264 (+) // 100.0 // q13.2
1552496_a_at	3.389947	1.7612627	3.389947	up	COBL	23242	chr7:51084978-51103652 (-) // 92.11 // p12.1
213050_at	3.3775253	1.7559665	3.377525	up	COBL	23242	chr7:51083909-51384496 (-) // 99.25 // p12.1
204129_at	3.3067443	1.7254115	3.306744	up	BCL9	607	chr1:147013181-147098012 (+) // 99.22 // q21.2
205632_s_at	3.2899735	1.718076	3.289974	up	PIP5K1B	8395	chr9:71320615-71624091 (+) // 94.07 // q21.11
226109_at	3.2855372	1.7161293	3.285537	up	C21orf91	54149	chr21:19161290-19191703 (-) // 97.02 // q21.1
204808_s_at	3.2565434	1.7033415	3.256543	up	TMEM5	10329	chr12:64173636-64202887 (+) // 97.17 // q14.2
218988_at	3.244906	1.6981766	3.244906	up	SLC35E3	55508	chr12:69139962-69159844 (+) // 72.5 // q15
216218_s_at	3.1934514	1.6751165	3.193451	up	PLCL2	23228	chr3:17051985-17123038 (+) // 99.88 // p24.3

232444_at	3.188589	1.6729182	3.188589	up	<i>CEP85L</i>	387119	chr6:118784925-118972477 (-) // 91.28 // q22.31
202946_s_at	3.099998	1.6322672	3.099998	up	<i>BTBD3</i>	22903	chr20:11898564-11907242 (+) // 99.34 // p12.2
226002_at	3.0711708	1.6187887	3.071171	up	<i>GAB1</i>	2549	chr4:144359643-144393901 (+) // 99.0 // q31.21
219036_at	3.0673523	1.6169939	3.067352	up	<i>CEP70</i>	80321	chr3:138213188-138313079 (-) // 99.12 // q22.2
204256_at	3.0651004	1.6159344	3.0651	up	<i>ELOVL6</i>	79071	chr4:110970542-111119771 (-) // 98.56 // q25
229838_at	3.0255547	1.5971997	3.025555	up	<i>LOC105376575// /NUCB2</i>	4925//105376575	chr11:17370980-17371527 (+) // 43.25 // p15.1
215687_x_at	3.0112653	1.5903698	3.011265	up	<i>PLCB1</i>	23236	chr20:8113295-8862701 (+) // 99.87 // p12.3
202555_s_at	2.9998827	1.5849061	2.999883	up	<i>MYLK</i>	4638	chr3:123332891-123420361 (-) // 98.51 // q21.1
225998_at	2.9598227	1.5655107	2.959823	up	<i>GAB1</i>	2549	chr4:144359643-144393901 (+) // 99.0 // q31.21
224823_at	2.9527125	1.5620409	2.952713	up	<i>MYLK</i>	4638	chr3:123331083-123332990 (-) // 95.45 // q21.1
202893_at	2.9517822	1.5615863	2.951782	up	<i>UNC13B</i>	10497	chr9:35162058-35405331 (+) // 99.34 // p13.3
226517_at	2.9369786	1.5543327	2.936979	up	<i>BCAT1</i>	586	chr12:24967603-24970594 (-) // 81.74 // p12.1
205290_s_at	2.9304602	1.5511272	2.93046	up	<i>BMP2</i>	650	chr20:6749206-6759769 (+) // 98.77 // p12.3
234393_at	2.929197	1.5505053	2.929197	up	<i>HDAC9</i>	9734	chr7:18993768-19035803 (+) // 100.0 // p21.1
214987_at	2.8966794	1.5344	2.896679	up	<i>GAB1</i>	2549	chr4:144394611-144395718 (+) // 83.18 // q31.21
216060_s_at	2.8941264	1.5331279	2.894126	up	<i>DAAMI</i>	23002	chr14:59655436-59836471 (+) // 97.57 // q23.1
226666_at	2.8933227	1.5327272	2.893323	up	<i>DAAMI</i>	23002	chr14:59836486-59838261 (+) // 88.59 // q23.1
229744_at	2.8630111	1.5175333	2.863011	up	<i>SSFA2</i>	6744	chr2:182758544-182759422 (+) // 97.56 // q31.3
228066_at	2.8617978	1.5169218	2.861798	up	<i>CI7orf96</i>	100170841	chr17:36827955-36829184 (-) // 95.76 // q12
227354_at	2.8529072	1.5124328	2.852907	up	<i>PAG1</i>	55824	chr8:81880044-81882262 (-) // 86.34 // q21.13
224150_s_at	2.8376434	1.5046933	2.837643	up	<i>CEP70</i>	80321	chr3:138218774-138313079 (-) // 91.93 // q22.3
217869_at	2.829516	1.5005553	2.829516	up	<i>HSD17B12</i>	51144	chr11:43702304-43878168 (+) // 88.63 // p11.2
225285_at	2.8106472	1.4909024	2.810647	up	<i>BCAT1</i>	586	chr12:24964296-24967742 (-) // 98.08 // p12.1
220941_s_at	2.7890441	1.4797708	2.789044	up	<i>C21orf91</i>	54149	chr21:19165564-19191656 (+) // 99.81 // q21.1
238919_at	2.776858	1.4734534	2.776858	up	<i>PCDH9</i>	5101	chr13:67775146-67775679 (-) // 93.89 // q21.32
209485_s_at	2.7141023	1.4404751	2.714102	up	<i>OSBPL1A</i>	114876	chr18:21739475-21852196 (-) // 98.89 // q11.2
230212_at	2.7031672	1.4346508	2.703167	up	<i>SPRY1</i>	10252	chr4:124318381-124318987 (+) // 92.95 // q28.1
225681_at	2.6966414	1.4311637	2.696641	up	<i>CTHRC1</i>	115908	chr8:104383731-104395221 (+) // 98.16 // q22.3
203097_s_at	2.6842418	1.4245147	2.684242	up	<i>RAPGEF2</i>	9693	chr4:160189245-160281299 (+) // 99.98 // q32.1
244043_at	2.6840768	1.424426	2.684077	up	<i>TFDP2</i>	7029	chr3:141668665-141669736 (-) // 74.28 // q21.3
205833_s_at	2.6651804	1.4142332	2.66518	up	<i>PART1</i>	25859	chr5:59783758-59787091 (+) // 99.34 // q12.1
210058_at	2.6651137	1.4141971	2.665114	up	<i>MAPK13</i>	5603	chr6:36098318-36107827 (+) // 78.3 // p21.31
213243_at	2.6617239	1.4123609	2.661724	up	<i>VPS13B</i>	157680	chr8:100779031-100889807 (+) // 93.7 // q22.2
210868_s_at	2.6472085	1.4044718	2.647209	up	<i>ELOVL6</i>	79071	chr4:110970683-111119758 (-) // 97.91 // q25
214452_at	2.6218433	1.3905815	2.621843	up	<i>BCAT1</i>	586	chr12:24970555-25102096 (-) // 99.83 // p12.1
228249_at	2.6149356	1.3867755	2.614936	up	<i>C11orf74</i>	119710	chr11:36616056-36680822 (+) // 86.91 // p12
229661_at	2.6107583	1.3844689	2.610758	up	<i>SALLA</i>	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
209526_s_at	2.608003	1.3829454	2.608003	up	<i>HDGFRP3</i>	50810	chr15:83807318-83876286 (-) // 99.3 // q25.2
226157_at	2.5973513	1.3770412	2.597351	up	<i>TFDP2</i>	7029	chr3:141663269-141666288 (-) // 77.27 // q23
219892_at	2.5956664	1.376105	2.595666	up	<i>TM6SF1</i>	53346	chr15:83776379-83805674 (+) // 97.99 // q25.2
226159_at	2.5933847	1.3748362	2.593385	up	<i>CSorf51</i>	285636	chr5:41920458-41921737 (+) // 76.47 // p13.1
215987_at	2.5745199	1.3643034	2.57452	up	<i>RAPGEF2</i>	9693	chr4:160279264-160280493 (-) // 56.23 // q32.1
235971_at	2.573912	1.3639627	2.573912	up	<i>TIFA</i>	92610	chr4:113195694-113196576 (-) // 78.78 // q25
238858_at	2.572166	1.3629837	2.572166	up	<i>TIFA</i>	92610	chr4:113196445-113197439 (-) // 73.63 // q25
239530_at	2.5703506	1.3619652	2.570351	up	<i>ADD2</i>	119	chr2:70887284-70888216 (-) // 54.54 // p13.3
207112_s_at	2.54847	1.3496314	2.54847	up	<i>GAB1</i>	2549	chr4:144258266-144390603 (+) // 98.05 // q31.21
229029_at	2.547095	1.3488528	2.547095	up	<i>CAMK4</i>	814	chr5:110829958-110830580 (+) // 97.65 // q22.1
228266_s_at	2.5436046	1.3468745	2.543605	up	<i>HDGFRP3</i>	50810	chr15:83820015-83876290 (-) // 97.7 // q25.2
244180_at	2.5370095	1.3431289	2.53701	up	<i>ZNF793</i>	390927	chr19:38033220-38034233 (+) // 55.0 // q13.12
215194_at	2.498831	1.3212534	2.498831	up	<i>PRKCA</i>	5578	chr17:64800301-64801436 (-) // 96.75 // q24.2
213129_s_at	2.4949245	1.3189962	2.494925	up	<i>GCSH</i>	2653	chr16:81115542-81129954 (-) // 98.49 // q23.2
213484_at	2.4934843	1.318163	2.493484	up	<i>ADD2</i>	119	chr2:70883921-70886228 (-) // 87.37 // p13.3
203566_s_at	2.4888458	1.3154769	2.488846	up	<i>AGL</i>	178	chr1:100326765-100389576 (+) // 96.77 // p21.2
203096_s_at	2.4848466	1.3131568	2.484847	up	<i>RAPGEF2</i>	9693	chr4:160189245-160281302 (+) // 99.44 // q32.1
229205_at	2.4845288	1.3129722	2.484529	up	<i>ZNF793-AS1</i>	101927720	chr19:37988068-37988494 (-) // 47.11 // q13.12
244261_at	2.4811265	1.3109953	2.481127	up	<i>IFNLRI</i>	163702	chr1:24480646-24481111 (-) // 86.54 // p36.11
217477_at	2.4776053	1.3089464	2.477605	up	<i>PIPSK1B</i>	8395	chr9:71503910-71624091 (-) // 100.0 // q21.11
240145_at	2.4754179	1.307672	2.475418	up	<i>DGKH</i>	160851	chr13:42807647-42808080 (+) // 97.52 // q14.11
206983_at	2.4700468	1.3045384	2.470047	up	<i>CCR6</i>	1235	chr6:167536258-167552416 (+) // 75.59 // q27
241948_at	2.4649465	1.3015563	2.464947	up			chr9:71556903-71557640 (+) // 95.13 // q21.11
202780_at	2.4641988	1.3011186	2.464199	up	<i>OXCT1</i>	5019	chr5:41730168-41870558 (-) // 99.31 // p13.1
220183_s_at	2.462427	1.3000809	2.462427	up	<i>NUDT6</i>	11162	chr4:123813798-123844123 (-) // 99.63 // q28.1
236917_at	2.4621203	1.2999012	2.46212	up	<i>LRRC34</i>	151827	chr3:169511266-169514584 (-) // 97.59 // q26.2
232111_at	2.4591029	1.2981321	2.459103	up	<i>TUNAR</i>	100507043	chr14:96342728-96391900 (+) // 80.59 // q32.2
235675_at	2.4538653	1.2950561	2.453865	up	<i>DHFR1L</i>	200895	chr3:93776767-93777390 (-) // 39.37 // q11.1
227790_at	2.4387743	1.2861563	2.438774	up	<i>UBE3D</i>	90025	chr6:83602117-83732282 (-) // 95.68 // q14.1
214390_s_at	2.438294	1.285872	2.438294	up	<i>BCAT1</i>	586	chr12:24989380-25101983 (-) // 99.59 // p12.1
1559507_at	2.4374464	1.2853705	2.437446	up	<i>LOC100130357</i>	100130357	chr6:13279526-13295818 (-) // 91.79 // p24.1
1557222_at	2.43356	1.2830683	2.43356	up			chr7:153431108-153432042 (+) // 11.16 // q36.2
214231_s_at	2.4232986	1.2769722	2.423299	up	<i>VWA8</i>	23078	chr13:42293474-42306285 (-) // 97.78 // q14.11
1569225_a_at	2.4123802	1.2704573	2.41238	up	<i>SCML4</i>	256380	chr6:108025874-108053600 (-) // 94.28 // q21
1558103_a_at	2.411352	1.2698421	2.411352	up	<i>HDGFRP3</i>	50810	chr15:83802877-83805687 (-) // 85.7 // q25.2
210059_s_at	2.410426	1.2692881	2.410426	up	<i>MAPK13</i>	5603	chr6:36098318-36107827 (+) // 78.3 // p21.31
210424_s_at	2.4096897	1.2688473	2.40969	up	<i>GOLGA8A//GOL GA8B</i>	23015//440270	chr15:34673223-34679643 (-) // 92.72 // q14//chr15:34819444-34825864 (-) // 92.72 // q14
214432_at	2.405708	1.2664616	2.405708	up	<i>ATP1A3</i>	478	chr19:42470735-42498367 (-) // 98.06 // q13.2
1556472_s_at	2.392061	1.2582542	2.392061	up	<i>SCML4</i>	256380	chr6:108025307-108145521 (-) // 99.58 // q21
1561411_at	2.3798292	1.2508581	2.379829	up	<i>LINC01222</i>	102800316	chr1:198975170-198990166 (-) // 43.42 // q32.1
211715_s_at	2.3797982	1.2508392	2.379798	up	<i>BDH1</i>	622	chr3:197238446-197282823 (-) // 90.28 // q29
205289_at	2.3748012	1.2478068	2.374801	up	<i>BMP2</i>	650	chr20:6748310-6760923 (+) // 97.71 // p12.3
209525_at	2.3671637	1.2431594	2.367164	up	<i>HDGFRP3</i>	50810	chr15:83805573-83876321 (-) // 96.08 // q25.2
230733_at	2.3639386	1.2411926	2.363939	up			chr18:3250305-3251198 (+) // 75.84 // p11.31
243618_s_at	2.352051	1.2339194	2.352051	up	<i>ZNF827</i>	152485	chr4:146859684-146860181 (-) // 69.14 // q31.22
212719_at	2.3380592	1.2253114	2.338059	up	<i>PHLPP1</i>	23239	chr18:60384309-60647666 (+) // 96.34 // q21.33
219463_at	2.3370008	1.2246583	2.337001	up	<i>LAMP5</i>	24141	chr20:9495297-9511171 (+) // 100.0 // p12.2
231399_at	2.3293326	1.2199166	2.329333	up	<i>RAB3IP</i>	117177	chr12:70216365-70216982 (+) // 26.25 // q15
1557174_a_at	2.312281	1.2093167	2.312281	up	<i>IRAK1BPI</i>	134728	chr6:79608328-79610965 (+) // 50.38 // q14.1
236856_x_at	2.299265	1.2011727	2.299265	up	<i>LOC105371220</i>	105371220	
213238_at	2.291191	1.1960979	2.291191	up	<i>ATP10B</i>	57205	chr4:47560039-47595435 (+) // 95.25 // p12
227379_at	2.290727	1.1958054	2.290727	up	<i>MBOAT1</i>	154141	chr6:20100947-20144187 (-) // 73.78 // p22.3
212062_at	2.2904723	1.1956451	2.290472	up	<i>ATP9A</i>	10079	chr20:50213053-50384867 (-) // 98.9 // q13.2

218942_at	2.2780118	1.1877753	2.278012	up	<i>PIP4K2C</i>	79837	chr12:57992924-57997198 (+) // 96.88 // q13.3
215992_s_at	2.2773263	1.187341	2.277326	up	<i>RAPGEF2</i>	9693	chr4:160247812-160251788 (+) // 85.82 // q32.1
213133_s_at	2.2736595	1.1850162	2.27366	up	<i>GCSH</i>	2653	chr16:81115542-81129954 (-) // 98.49 // q23.2
219109_at	2.2622094	1.1777325	2.262209	up	<i>SPAG16</i>	79582	chr2:214149142-214182689 (+) // 82.47 // q34
244699_at	2.2618852	1.1775258	2.261885	up	<i>AH1I</i>	54806	chr6:135623042-135623693 (-) // 54.55 // q23.3
213610_s_at	2.2584627	1.175341	2.258463	up	<i>KLHL23//PHOS PHO2-KLHL23</i>	151230//10052683	chr2:170606859-170608394 (+) // 48.07 // q31.1
232715_at	2.253149	1.1719427	2.253149	up			chr3:30739152-30741067 (+) // 63.19 // p24.1
227908_at	2.2483613	1.1688739	2.248361	up	<i>TBC1D24</i>	57465	chr16:2554707-2555733 (+) // 84.64 // p13.3 chr7:143306174-143307659 (+) // 50.2 //
212981_s_at	2.2467258	1.167824	2.246726	up	<i>TCAF1</i>	9747	q35//chr7:143548469-143549946 (-) // 50.33 // q35
235952_at	2.2426772	1.1652219	2.242677	up	<i>DGKH</i>	160851	chr13:42809095-42809674 (+) // 98.8 // q14.11
211105_s_at	2.2308836	1.1576153	2.230884	up	<i>NFATC1</i>	4772	chr18:77160335-77289322 (+) // 95.58 // q23
226694_at	2.2301795	1.1571599	2.23018	up	<i>AKAP2//PALM2- AKAP2</i>	11217//445815	chr9:112934085-112934792 (+) // 86.35 // q31.3
1565602_at	2.2255256	1.1541461	2.225526	up	<i>PCDH9</i>	5101	chr13:67780302-67780881 (-) // 50.59 // q21.32
225646_at	2.2199533	1.1505293	2.219953	up	<i>CTSC</i>	1075	chr11:88059253-88070910 (-) // 94.86 // q21.6
201915_at	2.1916149	1.1319942	2.191615	up	<i>SEC63</i>	11231	chr6:108191512-108279393 (-) // 96.13 // q21
244805_at	2.1824415	1.125943	2.182442	up			chr7:51090282-51090981 (-) // 78.54 // p12.1
225626_at	2.1707416	1.1181879	2.170742	up	<i>PAG1</i>	55824	chr8:81883477-81905544 (-) // 98.76 // q21.13
237625_s_at	2.168326	1.1165817	2.168326	up			chr2:89159878-89160419 (-) // 99.45 // p11.2
221569_at	2.163382	1.1132885	2.163382	up	<i>AH1I</i>	54806	chr6:135605124-135813392 (-) // 91.91 // q23.3
226546_at	2.1623082	1.1125722	2.162308	up	<i>LOC100506844</i>	100506844	chr12:58325231-58329950 (-) // 53.46 // q14.1
1559916_a_at	2.1574247	1.1093102	2.157425	up			chr7:2446140-2446701 (+) // 6.59 // p22.3
236654_s_at	2.155407	1.1079602	2.155407	up			chr3:169511311-169511753 (+) // 96.93 // q26.2
1565601_at	2.1506698	1.104786	2.15067	up			chr13:67780292-67780881 (+) // 50.59 // q21.32
238662_at	2.142911	1.0995718	2.142911	up	<i>DPH6</i>	89978	chr15:35664300-35834710 (-) // 88.82 // q14
223750_s_at	2.129406	1.090451	2.129406	up	<i>TLR10</i>	81793	chr4:38774658-38784579 (-) // 95.26 // p14
206654_s_at	2.1268754	1.0887356	2.126875	up	<i>POLR3G</i>	10622	chr5:89770725-89808125 (+) // 83.9 // q14.3
223461_at	2.1248906	1.0873885	2.124891	up	<i>TBC1D7</i>	51256	chr6:13305185-13328614 (-) // 97.82 // p24.1 chr15:82973443-82976258 (+) // 76.59 //
							q25.2//chr15:82763617-82766434 (-) // 76.66 //
223327_x_at	2.1221702	1.0855403	2.12217	up	<i>GOLGA2P10</i>	80154	q25.2//chr15:83140203-83143018 (-) // 76.63 //
							q25.2//chr15:85746679-85749517 (-) // 76.08 //
							q25.3//chr15:84867602-84870440 (-) // 78.97 //
							q25.2
204573_at	2.1159573	1.0813105	2.115957	up	<i>CROT</i>	54677	chr7:86975651-87029110 (+) // 88.8 // q21.12
236535_at	2.1045034	1.0734799	2.104503	up	<i>SMC6</i>	79677	chr2:17845078-17845931 (-) // 92.42 // p24.2
213430_at	2.0993752	1.06996	2.099375	up	<i>RUFY3</i>	22902	chr4:71654628-71673476 (+) // 87.04 // q13.3
203069_at	2.095661	1.0674053	2.095661	up	<i>SV2A</i>	9900	chr1:149874875-149889377 (-) // 98.64 // q21.2
205268_s_at	2.0943704	1.0665165	2.09437	up	<i>ADD2</i>	119	chr2:70889264-70995329 (-) // 95.74 // p13.3
204168_at	2.084636	1.0597955	2.084636	up	<i>MGST2</i>	4258	chr4:140587170-140625407 (+) // 93.55 // q31.1
1554489_a_at	2.083503	1.0590112	2.083503	up	<i>CEP70</i>	80321	chr3:138255761-138313120 (-) // 96.89 // q22.3
244602_at	2.081302	1.0574863	2.081302	up			chr12:27948648-27949215 (-) // 97.73 // p11.22
235391_at	2.0780199	1.0552095	2.07802	up	<i>FAM92A1</i>	137392	chr8:94718292-94740797 (+) // 99.16 // q22.1
236918_s_at	2.0712907	1.0505301	2.071291	up	<i>LRRC34</i>	151827	chr3:169511266-169514584 (-) // 97.59 // q26.2
212946_at	2.06889	1.048857	2.06889	up	<i>VWA8</i>	23078	chr13:421409633-42442607 (-) // 98.81 // q14.11
230741_at	2.066903	1.0474707	2.066903	up	<i>P2RX7</i>	5027	chr12:121625357-121625834 (+) // 97.15 // q24.31
213437_at	2.0645165	1.045804	2.064517	up	<i>RUFY3</i>	22902	chr4:71654628-71673476 (+) // 87.04 // q13.3
205590_at	2.051869	1.0369385	2.051869	up	<i>RASGRP1</i>	10125	chr15:38780305-38856932 (-) // 98.49 // q14
238599_at	2.0494256	1.0352197	2.049426	up	<i>IRAK1BP1</i>	134728	chr6:79595092-79608302 (+) // 84.71 // q14.1
201301_s_at	2.045174	1.0322236	2.045174	up	<i>ANXA4</i>	307	chr2:69969223-70052774 (+) // 98.08 // p13.3
229715_at	2.0422118	1.0301325	2.042212	up	<i>NCR3LG1</i>	374383	chr11:17402681-17403207 (+) // 80.15 // p15.1
224486_s_at	2.0394342	1.0281689	2.039434	up	<i>PC15orf41</i>	84529	chr15:36872044-37102439 (+) // 97.04 // q14
225622_at	2.026808	1.0192094	2.026808	up	<i>PAG1</i>	55824	chr8:81883477-81905544 (-) // 98.76 // q21.13
239033_at	2.0253272	1.018155	2.025327	up			chr9:115391391-115392115 (+) // 98.1 // q32
215947_s_at	2.0234246	1.0167991	2.023425	up	<i>FAM136A</i>	84908	chr2:70523107-70523920 (-) // 50.31 // p13.3
1554555_a_at	2.021497	1.0154241	2.021497	up	<i>SETD6</i>	79918	chr16:58549424-58553010 (+) // 95.4 // q21
230281_at	2.0213675	1.0153316	2.021368	up	<i>C16orf46</i>	123775	chr16:81087101-81087565 (-) // 92.6 // q23.2
223689_at	2.014732	1.0105879	2.014732	up	<i>IGF2BP1</i>	10642	chr17:47074802-47127147 (+) // 99.79 // q21.32
230434_at	2.0047169	1.0033985	2.004717	up	<i>PHOSPHO2</i>	493911	chr2:170557729-170558216 (+) // 94.93 // q31.1
227441_s_at	-966.2643	-9.916274	966.2643	down	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
205253_at	-804.9539	-9.652762	804.9539	down	<i>PBX1</i>	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
212148_at	-606.4952	-9.244352	606.4952	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
212151_at	-261.4563	-8.030426	261.4563	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
231040_at	-192.4071	-7.588018	192.4071	down	<i>RORB</i>	6096	chr9:77307631-77308087 (+) // 96.6 // q21.13
227949_at	-129.322	-7.014823	129.322	down	<i>PHACTR3</i>	116154	chr20:58318161-58422766 (+) // 92.17 // q13.32
243533_x_at	-120.9163	-6.917864	120.9163	down			chr12:99438003-99438316 (-) // 96.01 // q23.1
206001_at	-113.0846	-6.821259	113.0846	down	<i>NPY</i>	4852	chr7:24324859-24331416 (+) // 96.16 // p15.3
209200_at	-105.062	-6.715097	105.062	down	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
240292_x_at	-99.62414	-6.638423	99.62414	down	<i>ANKS1B</i>	56899	chr12:99137751-99138287 (-) // 99.81 // q23.1
1563000_at	-98.28409	-6.618886	98.28409	down			chr12:99422689-99423795 (-) // 75.78 // q23.1
227439_at	-83.59977	-6.385427	83.59977	down	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
218625_at	-75.86215	-6.245308	75.86215	down	<i>NRN1</i>	51299	chr6:5998234-6007150 (-) // 92.57 // p25.1
232289_at	-55.41633	-5.792239	55.41633	down	<i>KCNJ12</i>	3768	chr17:21320481-21323181 (+) // 96.44 // p11.2
209199_s_at	-53.52153	-5.742047	53.52153	down	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
213005_s_at	-51.68724	-5.691736	51.68724	down	<i>KANK1</i>	23189	chr9:676887-746103 (+) // 99.21 // p24.3
202599_s_at	-50.97738	-5.671785	50.97738	down	<i>NR1P1</i>	8204	chr21:16333561-16340799 (-) // 96.45 // q11.2
236395_at	-47.88063	-5.58137	47.88063	down			chr5:88171900-88172437 (-) // 94.29 // q14.3
216364_s_at	-45.90723	-5.520649	45.90723	down	<i>AFF2</i>	2334	chrX:147582617-148072862 (+) // 96.67 // q28
202600_s_at	-43.14729	-5.431198	43.14729	down	<i>NR1P1</i>	8204	chr21:16333560-16437255 (-) // 96.06 // q11.2
1564821_at	-38.21108	-5.255919	38.21108	down			chr10:129991025-129991879 (-) // 30.63 // q26.2
234261_at	-38.19415	-5.25528	38.19415	down			chr12:99258022-99260721 (-) // 27.84 // q23.1
207968_s_at	-33.02588	-5.045525	33.02588	down	<i>MEF2C</i>	4208	chr5:88018315-88119671 (-) // 72.47 // q14.3
223723_at	-30.72077	-4.941143	30.72077	down	<i>MEF2</i>	4241	chr3:196745824-196756642 (-) // 91.17 // q29
218486_at	-27.05553	-4.757852	27.05553	down	<i>KLF11</i>	8462	chr2:10183708-10192854 (+) // 46.1 // p25.1
207926_at	-26.87222	-4.748044	26.87222	down	<i>GP5</i>	2814	chr3:194114983-194120234 (-) // 58.06 // q29
235911_at	-24.66538	-4.624416	24.66538	down	<i>MEF2</i>	4241	chr3:196728610-196729068 (-) // 99.57 // q29
231455_at	-24.62343	-4.62196	24.62343	down	<i>LINC00487</i>	400941	chr2:6869299-6869779 (-) // 8.02 // p25.2
244230_at	-22.66865	-4.502626	22.66865	down			chr5:88063251-88063715 (-) // 97.89 // q14.3
210957_s_at	-21.99753	-4.45927	21.99753	down	<i>AFF2</i>	2334	chrX:147582243-148075954 (+) // 97.25 // q28
1562984_at	-20.36455	-4.347988	20.36455	down	<i>LOC101928937</i>	101928937	chr12:99487136-99498787 (+) // 41.36 // q23.1

FC ([MEF2D] vs [TCF3-  
PBX1])

219686_at	-18.90793	-4.24092	18.90793	down	<i>STK32B</i>	55351	chr4:5053526-5502725 (+) // 85.95 // p16.2
203373_at	-18.8268	-4.234716	18.8268	down	<i>SOCS2</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
223853_at	-18.72149	-4.226624	18.72149	down	<i>BYES</i>	11149	chr6:1055448495-105584560 (-) // 97.21 // q21
223693_s_at	-16.75336	-4.066378	16.75336	down	<i>RADIL</i>	55698	chr7:4838813-4856985 (-) // 97.94 // p22.1
222146_s_at	-16.22089	-4.019781	16.22089	down	<i>TCF4</i>	6925	chr18:52895059-52897726 (-) // 77.03 // q21.2
212489_at	-15.60699	-3.96412	15.60699	down	<i>COL5A1</i>	1289	chr9:137734331-137736688 (+) // 99.36 // q34.3
224022_x_at	-15.19986	-3.925987	15.19986	down	<i>WNT16</i>	51384	chr7:120969089-120981157 (+) // 98.56 // q31.31
203372_s_at	-14.69757	-3.877506	14.69757	down	<i>SOCS2</i>	8835	chr12:93966635-93969024 (+) // 100.0 // q22
211913_s_at	-14.46963	-3.854956	14.46963	down	<i>MERTK</i>	10461	chr2:112733019-112779973 (+) // 40.76 // q13
226122_at	-14.36377	-3.844362	14.36377	down	<i>PLEKHG1</i>	57480	chr6:151125780-151164799 (+) // 94.6 // q25.1
225483_at	-13.93394	-3.800531	13.93394	down	<i>VPS26B</i>	112936	chr11:134116715-134117684 (+) // 95.54 // q25
1553137_s_at	-13.58386	-3.763822	13.58386	down	<i>KLF11</i>	8462	chr2:10183708-10192854 (+) // 82.76 // p25.1
227230_s_at	-13.50333	-3.755243	13.50333	down	<i>KIAA1211</i>	57482	chr4:57180759-57196774 (+) // 93.22 // q12
241701_at	-13.37093	-3.741028	13.37093	down	<i>ARHGAP21</i>	57584	chr6:80779317-80780225 (-) // 86.83 // q14.1
219313_at	-13.25843	-3.728838	13.25843	down	<i>GRAMD1C</i>	54762	chr3:113633304-113666017 (+) // 93.06 // q13.31
226865_at	-12.97249	-3.697383	12.97249	down	<i>PLXDC2</i>	84898	chr10:20575769-20578025 (+) // 89.46 // p12.31
221942_s_at	-12.92768	-3.692391	12.92768	down	<i>GUCY1A3</i>	2982	chr4:156638368-156652730 (+) // 98.88 // q32.1
1555270_a_at	-12.90568	-3.689934	12.90568	down	<i>WFS1</i>	7466	chr4:6271642-6304609 (+) // 98.69 // p16.1
205489_at	-12.74526	-3.671888	12.74526	down	<i>CRYM</i>	1428	chr16:21269838-21289602 (-) // 99.52 // p12.2
1559315_s_at	-12.5	-3.643856	12.5	down	<i>SOCS2-AS1</i>	144481	chr12:93936239-93965628 (-) // 29.03 // q22
210517_s_at	-12.27116	-3.6172	12.27116	down	<i>AKAP12</i>	9590	chr6:151646822-151677908 (+) // 99.97 // q25.1
212488_at	-12.02589	-3.588071	12.02589	down	<i>COL5A1</i>	1289	chr9:137734331-137736688 (+) // 99.36 // q34.3
240321_at	-11.93294	-3.576877	11.93294	down		chr18:53238979-53239479 (-) // 98.8 // q21.2	
202206_at	-11.7952	-3.560128	11.7952	down	<i>ARL4C</i>	10123	chr2:235401681-235405622 (-) // 95.42 // q37.1
227276_at	-11.66282	-3.543845	11.66282	down	<i>PLXDC2</i>	84898	chr10:20465989-20569286 (+) // 95.93 // p12.31
217022_s_at	-11.16579	-3.481013	11.16579	down	<i>IGH//IGHA1//IGHA2</i>	3492//3493//3494	chr14:106173474-106518511 (-) // 86.68 // q32.33
221760_at	-11.12942	-3.476306	11.12942	down	<i>MAN1A1</i>	4121	chr6:119498373-119670926 (-) // 94.18 // q22.31
227235_at	-11.09942	-3.472413	11.09942	down	<i>GUCY1A3</i>	2982	chr4:156656844-156658211 (+) // 88.22 // q32.1
214807_at	-10.90674	-3.447149	10.90674	down	<i>PLXDC2</i>	84898	chr10:20573594-20575768 (+) // 82.23 // p12.31
239092_at	-10.72689	-3.42316	10.72689	down	<i>ITGA8</i>	8516	chr10:15638513-15646269 (-) // 88.85 // p13
229233_at	-10.69868	-3.419361	10.69868	down	<i>NRG3</i>	10718	chr10:84745112-84746933 (+) // 96.89 // q23.1
237974_at	-10.69596	-3.418994	10.69596	down	<i>ABHD12B</i>	145447	chr14:51371224-51371687 (+) // 37.14 // q22.1
202207_at	-10.649	-3.412646	10.649	down	<i>ARL4C</i>	10123	chr2:235401681-235405622 (-) // 95.42 // q37.1
231095_at	-10.62043	-3.408771	10.62043	down	<i>LOC101928045</i>	101928045	chr17:65671127-65671746 (-) // 95.4 // q24.2
1554633_a_at	-10.3926	-3.377485	10.3926	down	<i>MYT1L</i>	23040	chr2:1795304-2334966 (-) // 90.43 // p25.3
214265_at	-10.28501	-3.362472	10.28501	down	<i>ITGA8</i>	8516	chr10:15559087-15761656 (-) // 98.57 // p13
206181_at	-10.23534	-3.355487	10.23534	down	<i>SLAMF1</i>	6504	chr1:160579888-160616869 (-) // 99.83 // q23.3
225079_at	-10.23114	-3.354895	10.23114	down	<i>EMP2</i>	2013	chr16:10622279-10623791 (-) // 81.39 // p13.13
228783_at	-9.592567	-3.261917	9.592567	down	<i>BYES</i>	11149	chr6:105544700-105546557 (-) // 98.2 // q21
206591_at	-9.526848	-3.251999	9.526848	down	<i>RAG1</i>	5896	chr11:36589562-36601264 (+) // 94.13 // p12
1558662_s_at	-9.208719	-3.203001	9.208719	down	<i>BANK1</i>	55024	chr4:102982572-102995610 (+) // 88.82 // q24
203325_s_at	-9.084587	-3.183421	9.084587	down	<i>COL5A1</i>	1289	chr9:137533804-137734754 (+) // 87.76 // q34.3
231817_at	-8.934526	-3.159391	8.934526	down	<i>USP53</i>	54532	chr4:120177594-120215955 (+) // 80.5 // q26
218418_s_at	-8.724063	-3.125	8.724063	down	<i>KANK2</i>	25959	chr19:11274946-11276906 (-) // 82.5 // p13.2
1556538_at	-8.691032	-3.119528	8.691032	down	<i>MF12</i>	4241	chr3:196752410-196756165 (-) // 90.76 // q29
1556037_s_at	-8.556928	-3.097093	8.556928	down	<i>HHIP</i>	64399	chr4:145569331-145606824 (+) // 94.97 // q31.21
208820_at	-8.450222	-3.078989	8.450222	down	<i>PTK2</i>	5747	chr8:141668500-142011303 (-) // 93.09 // q24.3
226099_at	-8.357224	-3.063024	8.357224	down	<i>ELL2</i>	22936	chr5:95222194-95224470 (-) // 93.99 // q15
204005_s_at	-8.19274	-3.034346	8.19274	down	<i>PAWR</i>	5074	chr12:79985933-80084743 (-) // 90.98 // q21.2
235146_at	-8.185988	-3.033157	8.185988	down	<i>TMCC3</i>	57458	chr12:94960882-94961956 (-) // 99.11 // q22.2
205120_s_at	-8.083846	-3.015042	8.083846	down	<i>SGCB</i>	6443	chr4:52889863-52899808 (-) // 97.45 // q12
207267_s_at	-8.069155	-3.012418	8.069155	down	<i>RIPPLY3</i>	53820	chr21:38378862-38391956 (+) // 72.15 // q22.13
231067_s_at	-8.0541	-3.009723	8.0541	down	<i>AKAP12</i>	9590	chr6:151678865-151679337 (-) // 96.33 // q25.1
237849_at	-7.995652	-2.999216	7.995652	down		chr6:119502630-119503241 (-) // 53.57 // q22.31	
238451_at	-7.816402	-2.966505	7.816402	down	<i>MPP7</i>	143098	chr10:28340816-28342114 (-) // 98.01 // p12.1
210016_at	-7.774393	-2.95873	7.774393	down	<i>MYT1L</i>	23040	chr2:1792886-2335051 (-) // 92.31 // p25.3
222693_at	-7.704096	-2.945626	7.704096	down	<i>FNDC3B</i>	64778	chr3:172052787-172116573 (+) // 92.02 // q26.31
211644_x_at	-7.489387	-2.904848	7.489387	down	<i>IGKC</i>	3514	chr2:89160396-89442344 (-) // 97.55 // p11.2
235666_at	-7.434756	-2.894285	7.434756	down	<i>ITGA8</i>	8516	chr10:15555950-15556389 (-) // 97.54 // p13
226944_at	-7.430583	-2.893475	7.430583	down	<i>HTRA8</i>	94031	chr4:8308249-8308822 (+) // 77.61 // p16.1
234985_at	-7.376471	-2.882931	7.376471	down	<i>LDLRAD3</i>	143458	chr11:36251772-36253697 (+) // 93.97 // p13
218087_s_at	-7.18955	-2.845902	7.18955	down	<i>SORBS1</i>	10580	chr10:97071530-97321135 (-) // 99.43 // q24.1
204993_at	-7.149941	-2.837931	7.149941	down	<i>GNAZ</i>	2781	chr22:23437878-23467218 (+) // 97.09 // q11.22
201616_s_at	-7.12041	-2.83196	7.12041	down	<i>CALD1</i>	800	chr7:134464375-134654691 (+) // 94.06 // q33
222513_s_at	-7.056965	-2.819048	7.056965	down	<i>SORBS1</i>	10580	chr10:97071530-97321135 (-) // 96.59 // q24.1
238778_at	-7.035485	-2.81465	7.035485	down	<i>MPP7</i>	143098	chr10:28339921-28340418 (-) // 100.0 // p12.1
244280_at	-6.958891	-2.798858	6.958891	down	<i>LINC01013</i>	100507254	chr6:132455550-132490502 (+) // 98.23 // q23.2
225078_at	-6.852153	-2.776557	6.852153	down	<i>EMP2</i>	2013	chr16:10622279-10623791 (-) // 81.39 // p13.13
1555336_a_at	-6.593285	-2.720997	6.593285	down	<i>ITGA9</i>	3680	chr3:37493605-37671009 (+) // 94.64 // p22.2
239580_at	-6.583729	-2.718905	6.583729	down	<i>GUCY1A3</i>	2982	chr4:15665994-156656804 (+) // 96.17 // q32.1
1553722_s_at	-6.486247	-2.697384	6.486247	down	<i>RNF152</i>	220441	chr18:59480572-59560304 (-) // 97.83 // q21.33
207821_s_at	-6.450191	-2.689342	6.450191	down	<i>PTK2</i>	5747	chr8:141669174-141856385 (-) // 97.67 // q24.3
203708_at	-6.442352	-2.687588	6.442352	down	<i>PDE4B</i>	5142	chr1:66797686-66839942 (+) // 89.92 // p31.3
206546_at	-6.356825	-2.668306	6.356825	down	<i>SYCP2</i>	10388	chr20:58439007-58497481 (-) // 99.42 // q13.33
204114_at	-6.3024	-2.655901	6.3024	down	<i>NID2</i>	22795	chr14:52471527-52535712 (-) // 98.36 // q22.1
221113_s_at	-6.266017	-2.647549	6.266017	down	<i>WNT16</i>	51384	chr7:120965420-120979512 (+) // 99.11 // q31.31
228010_at	-6.24595	-2.642921	6.24595	down	<i>PPP2R2C</i>	5522	chr4:6322307-6323560 (-) // 93.14 // p16.1
1559072_a_at	-6.206976	-2.633891	6.206976	down	<i>ELFN2</i>	114794	chr22:37763999-37771579 (-) // 93.56 // q13.1
228311_at	-6.176733	-2.626844	6.176733	down	<i>BCL6B</i>	255877	chr17:6931270-6931315 (+) // 95.48 // p13.1
222915_s_at	-6.145853	-2.619613	6.145853	down	<i>BANK1</i>	55024	chr4:102735035-102995967 (+) // 97.01 // q24
229530_at	-6.141004	-2.618475	6.141004	down	<i>GUCY1A3</i>	2982	chr4:156653914-156654981 (+) // 84.91 // q32.1
202208_s_at	-6.049887	-2.596908	6.049887	down	<i>ARL4C</i>	10123	chr2:235403805-235405204 (-) // 94.67 // q37.1
201445_at	-5.990125	-2.582586	5.990125	down	<i>CNN3</i>	1266	chr1:95362765-95392638 (-) // 98.44 // p21.3
204030_s_at	-5.965465	-2.576635	5.965465	down	<i>IQCJ-SCHIP1//SCHIP1</i>	29970//100505385	chr3:158991543-159615139 (+) // 96.02 // q25.32
1568611_at	-5.935664	-2.569409	5.935664	down		chr5:131525836-131527060 (-) // 12.33 // q31.1	
243629_x_at	-5.892919	-2.558982	5.892919	down	<i>MF12-AS1</i>	100507057	chr3:196730658-196731609 (+) // 93.65 // q29
207221_at	-5.880558	-2.555953	5.880558	down	<i>F2RL3</i>	9002	chr19:16999825-17009516 (+) // 58.18 // p13.11

209570_s_at	-5.860978	-2.551142	5.860978	down	<i>NSG1</i>	27065	chr4:4388765-4420784 (+) // 98.67 // p16.3
1564308_a_at	-5.835218	-2.544787	5.835218	down	<i>MPP7</i>	143098	chr10:28342991-28527666 (-) // 93.52 // p12.1
209823_x_at	-5.825027	-2.542265	5.825027	down	<i>HLA-DQB1</i>	3119	chr6:32627941-32634457 (-) // 91.71 // p21.32
1555486_a_at	-5.812618	-2.539188	5.812618	down	<i>PRRSL</i>	79899	chr11:36476838-36485223 (+) // 96.81 // p12
222326_at	-5.797002	-2.535307	5.797002	down			chr1:66822753-66823108 (+) // 62.81 // p31.3
218764_at	-5.779446	-2.530931	5.779446	down	<i>PRKCH</i>	5583	chr14:62016673-62017690 (+) // 98.35 // q23.1
208116_s_at	-5.749563	-2.523452	5.749563	down	<i>MAN1A1</i>	4121	chr6:119500316-119670089 (-) // 74.71 // p22.31
225548_at	-5.688722	-2.508105	5.688722	down	<i>SHROOM3</i>	57619	chr4:77660882-77701305 (+) // 99.65 // q21.1
230546_at	-5.637242	-2.49499	5.637242	down	<i>VASH1</i>	22846	chr14:77239478-77239992 (+) // 82.62 // q24.3
228297_at	-5.566927	-2.476881	5.566927	down			chr1:95362512-95362927 (+) // 88.38 // p21.3
237495_at	-5.486293	-2.455832	5.486293	down	<i>MPP7</i>	143098	chr10:28525534-28527629 (-) // 79.66 // p12.1
234196_at	-5.409946	-2.435614	5.409946	down			chr12:95014382-95016612 (-) // 90.09 // q22
244306_at	-5.397998	-2.432425	5.397998	down			
202908_at	-5.303242	-2.406875	5.303242	down	<i>WFS1</i>	7466	chr4:6271576-6304992 (+) // 99.89 // p16.1
211302_s_at	-5.247529	-2.391638	5.247529	down	<i>PDE4B</i>	5142	chr1:66258863-66839187 (+) // 99.65 // p31.3
227297_at	-5.188407	-2.375292	5.188407	down	<i>ITGA9</i>	3680	chr3:37862525-37864996 (+) // 95.53 // p22.2
206255_at	-5.14407	-2.36291	5.14407	down	<i>BLK</i>	640	chr8:11351879-11422107 (+) // 95.7 // p23.1
226632_at	-5.126026	-2.357841	5.126026	down	<i>HHIP-AS1</i>	646576	chr4:145564072-145564751 (-) // 72.65 // q31.21
218966_at	-5.095956	-2.349353	5.095956	down	<i>MYO5C</i>	55930	chr15:52484521-52587852 (-) // 94.36 // q21.2
211656_x_at	-5.065757	-2.340778	5.065757	down	<i>HLA-DQB1</i>	3119	chr6:32627663-32634352 (-) // 92.03 // p21.32
226796_at	-5.044901	-2.334826	5.044901	down	<i>ABHD15</i>	116236	chr17:27887690-27889792 (-) // 85.78 // q11.2
230315_at	-5.014219	-2.326025	5.014219	down			chr4:38666649-38667210 (-) // 99.29 // p14
209295_at	-4.998499	-2.321495	4.998499	down	<i>TNFRSF10B</i>	8795	chr8:22877645-22926516 (-) // 84.97 // p21.3
226018_at	-4.985554	-2.317754	4.985554	down	<i>MTURN</i>	222166	chr7:30201359-30202378 (+) // 90.74 // p14.3
204192_at	-4.984458	-2.317437	4.984458	down	<i>CD37</i>	951	chr19:49838734-49843801 (+) // 99.47 // q13.33
202796_at	-4.906	-2.294547	4.906	down	<i>SYNPO</i>	11346	chr5:150020252-150038769 (+) // 92.22 // q33.1
227565_at	-4.900224	-2.292848	4.900224	down	<i>KLHL5</i>	51088	chr4:39127137-39127851 (+) // 52.89 // p14
229775_s_at	-4.850065	-2.278004	4.850065	down	<i>MLLT4</i>	4301	chr6:168227670-168272970 (-) // 87.99 // q27
225133_at	-4.849298	-2.277776	4.849298	down	<i>KLFB3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
211214_s_at	-4.807775	-2.265369	4.807775	down	<i>DAPK1</i>	1612	chr9:90112803-90260886 (+) // 88.99 // q21.33
222496_s_at	-4.798987	-2.26273	4.798987	down	<i>RBM47</i>	54502	chr4:40425283-40517979 (-) // 93.35 // p14
240463_at	-4.783491	-2.258064	4.783491	down			chr10:123990123-123990568 (+) // 38.7 // q26.13
201212_at	-4.781412	-2.257437	4.781412	down	<i>LGMN</i>	5641	chr14:93170161-93199163 (-) // 98.92 // q32.12
225140_at	-4.761467	-2.251406	4.761467	down	<i>KLFB3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
226001_at	-4.75342	-2.248966	4.75342	down	<i>KLHL5</i>	51088	chr4:39064545-39124043 (+) // 94.21 // p14
224666_at	-4.752328	-2.248634	4.752328	down	<i>NSMCE1</i>	197370	chr16:27236320-27268903 (-) // 82.95 // p12.1
227036_at	-4.689729	-2.229505	4.689729	down	<i>RASAL2</i>	9462	chr1:178446192-178447985 (+) // 97.31 // q25.2
216495_x_at	-4.581033	-2.195673	4.581033	down			chr22:22764345-22764606 (-) // 89.01 // q11.22
201579_at	-4.578224	-2.194788	4.578224	down	<i>FAT1</i>	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
211654_x_at	-4.517042	-2.175378	4.517042	down	<i>HLA-DQB1</i>	3119	chr6:32627773-32634352 (-) // 96.37 // p21.32
1563494_at	-4.471791	-2.160853	4.471791	down			chr10:83668583-83673960 (+) // 61.42 // q23.1
202052_s_at	-4.435923	-2.149234	4.435923	down	<i>RAI14</i>	26064	chr5:34656517-34832716 (+) // 98.13 // p13.2
214745_at	-4.37028	-2.127726	4.37028	down	<i>PLCH1</i>	23007	chr3:155197670-155301350 (-) // 99.75 // q25.31
1566647_s_at	-4.332605	-2.115235	4.332605	down	<i>LINC01225</i>	149086	chr1:31971896-31974166 (+) // 49.91 // p35.2
215671_at	-4.329151	-2.114084	4.329151	down	<i>PDE4B</i>	5142	chr1:66834352-66835833 (+) // 82.06 // p31.3
227345_at	-4.328455	-2.113852	4.328455	down	<i>TNFRSF10D</i>	8793	chr8:22993100-22994017 (-) // 95.52 // p21.3
209197_at	-4.270088	-2.094266	4.270088	down	<i>SEPT11//SYT11</i>	23208//55752	chr1:155829323-155854986 (+) // 87.02 // q22
225235_at	-4.204659	-2.071989	4.204659	down	<i>TSPAN17</i>	26262	chr5:176074423-176086052 (+) // 76.37 // q35.2
212762_s_at	-4.204037	-2.071775	4.204037	down	<i>TCF7L2</i>	6934	chr10:114710142-114927433 (+) // 97.22 // q25.2
210664_s_at	-4.186567	-2.065768	4.186567	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
202668_at	-4.146309	-2.051828	4.146309	down	<i>EFNB2</i>	1948	chr13:107142097-107187462 (-) // 95.58 // q33.3
210830_s_at	-4.138068	-2.048957	4.138068	down	<i>PON2</i>	5445	chr7:95034650-95064288 (-) // 99.73 // q21.3
216576_x_at	-4.129541	-2.045981	4.129541	down			chr2:89160739-89568031 (-) // 82.53 // p11.2
210140_at	-4.093353	-2.033283	4.093353	down	<i>CST7</i>	8530	chr20:24929926-24940562 (+) // 100.0 // p11.21
212789_at	-4.005153	-2.001857	4.005153	down	<i>NCAPD3</i>	23310	chr11:134022339-134093868 (-) // 98.79 // q25
206009_at	-3.929292	-1.974269	3.929292	down	<i>ITGA9</i>	3680	chr3:37493812-37860937 (+) // 99.41 // p22.2
206999_at	-3.913021	-1.968283	3.913021	down	<i>IL12RB2</i>	3595	chr1:67773046-67862583 (+) // 90.1 // p31.3
224764_at	-3.904671	-1.965201	3.904671	down	<i>ARHGAP21</i>	57584	chr10:24872544-24909099 (-) // 97.91 // p12.1//chr6:80773214-80778149 (-) // 96.15 // q14.1
221773_at	-3.827332	-1.936339	3.827332	down	<i>ELK3</i>	2004	chr12:96660976-96663598 (+) // 91.53 // q23.1
201189_s_at	-3.82463	-1.93532	3.82463	down	<i>ITPR3</i>	3710	chr6:33589343-33664339 (+) // 99.83 // p21.31
215176_x_at	-3.816725	-1.932335	3.816725	down	<i>IGKV1-39//IGKVID-39</i>	28893//28930	chr2:89157154-89619827 (-) // 90.1 // p11.2
238804_at	-3.803278	-1.927244	3.803278	down			chr3:195355780-195356401 (+) // 74.64 // q29//chr3:197387406-197388027 (-) // 74.8 // q29
209151_x_at	-3.774192	-1.916168	3.774192	down	<i>TCF3</i>	6929	chr19:1609291-1650291 (-) // 94.42 // p13.3
204304_s_at	-3.774089	-1.916128	3.774089	down	<i>PROM1</i>	8842	chr4:15969856-16077566 (-) // 99.92 // p15.32
229228_at	-3.750753	-1.90718	3.750753	down	<i>CREB5</i>	9586	chr7:28865040-28865508 (+) // 95.12 // p14.3
204429_s_at	-3.742326	-1.903935	3.742326	down	<i>SLC2A5</i>	6518	chr1:9097004-9132285 (-) // 98.46 // p36.23
210395_x_at	-3.719137	-1.894968	3.719137	down	<i>MYL4</i>	4635	chr17:45286764-45301045 (+) // 58.16 // q21.32
225056_at	-3.714986	-1.893357	3.714986	down	<i>SIPA1L2</i>	57568	chr1:232533714-232650489 (-) // 98.35 // q42.2
230193_at	-3.703869	-1.889033	3.703869	down	<i>WDR66</i>	144406	chr12:122437730-122441823 (+) // 93.1 // q24.31
205330_at	-3.697616	-1.886596	3.697616	down	<i>MN1</i>	4330	chr22:28144265-28197486 (-) // 95.36 // q12.1
203434_s_at	-3.696078	-1.885995	3.696078	down	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.06 // q25.2
1564310_a_at	-3.684502	-1.88147	3.684502	down	<i>PARP15</i>	165631	chr3:122313370-122354886 (+) // 99.8 // q21.1
219837_s_at	-3.681264	-1.880201	3.681264	down	<i>CYTL1</i>	54360	chr4:5016317-5021199 (-) // 99.7 // p16.2
206127_at	-3.678438	-1.879093	3.678438	down	<i>ELK3</i>	2004	chr12:96588206-96661055 (+) // 99.31 // q23.1
209789_at	-3.671316	-1.876297	3.671316	down	<i>CORO2B</i>	10391	chr15:68871574-69020140 (+) // 87.83 // q23
224774_s_at	-3.662688	-1.872903	3.662688	down	<i>NAV1</i>	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
210088_x_at	-3.65245	-1.868865	3.65245	down	<i>MYL4</i>	4635	chr17:45286734-45301045 (+) // 93.42 // p21.32
202289_s_at	-3.642712	-1.865013	3.642712	down	<i>TACC2</i>	10579	chr10:123923358-124014053 (+) // 98.59 // q26.13
233587_s_at	-3.6414	-1.864493	3.6414	down	<i>SIPA1L2</i>	57568	chr1:232534209-232581496 (-) // 99.89 // q42.2
233866_at	-3.636773	-1.862659	3.636773	down	<i>KLHL5</i>	51088	chr4:39104903-39117952 (+) // 80.16 // p14
1559469_s_at	-3.630566	-1.860194	3.630566	down	<i>SIPA1L2</i>	57568	chr1:232649621-232651330 (-) // 98.16 // q42.2
212092_at	-3.624793	-1.857899	3.624793	down	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
1555420_a_at	-3.623949	-1.857563	3.623949	down	<i>KLFB3</i>	8609	chr2:207945087-208031571 (-) // 95.89 // q33.3
213058_at	-3.623764	-1.857489	3.623764	down	<i>TTC28</i>	23331	chr22:28374003-28386064 (-) // 91.41 // q12.1
212974_at	-3.615411	-1.854516	3.615411	down	<i>DENND3</i>	22898	chr8:142146605-142205903 (+) // 98.8 // q24.3
211102_s_at	-3.559308	-1.831597	3.559308	down	<i>LILRA2</i>	11027	chr19:55085345-55098862 (+) // 99.85 // q13.42

224770_s_at	-3.533229	-1.820987	3.533229	down	NAV1	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
203435_s_at	-3.520497	-1.815779	3.520497	down	MME	4311	chr3:154797633-154901492 (+) // 88.53 // q25.2
227534_at	-3.520356	-1.815721	3.520356	down	AAED1	195827	chr9:99403536-99417473 (-) // 78.46 // q22.33
1561015_at	-3.473742	-1.796491	3.473742	down			chr4:38684730-38685328 (+) // 92.66 // p14
225715_at	-3.463746	-1.792333	3.463746	down	RPTOR	57521	chr17:78717086-78940168 (+) // 99.23 // q25.3
241679_at	-3.44665	-1.785195	3.44665	down			chr6:151630641-151631108 (+) // 45.82 // q25.1
210993_s_at	-3.432404	-1.779219	3.432404	down	SMAD1	4086	chr4:146403956-146479106 (+) // 99.94 // q31.21
211101_x_at	-3.423829	-1.775611	3.423829	down	LILRA2	11027	chr19:55085307-55098862 (+) // 99.86 // q13.42
1559425_at	-3.402051	-1.766405	3.402051	down			chr14:61807191-61810069 (+) // 67.71 // q23.1
204270_at	-3.381639	-1.757723	3.381639	down	SKI	6497	chr1:2160133-2241006 (+) // 96.42 // p36.33
242104_at	-3.377741	-1.756059	3.377741	down			chr22:42319815-42320195 (+) // 70.99 // q13.2
1559477_s_at	-3.372702	-1.753905	3.372702	down	MEIS1	4211	chr2:66662516-66798905 (+) // 98.16 // p14
217258_x_at	-3.370189	-1.752829	3.370189	down			chr22:22764357-22764612 (+) // 86.17 // q11.22
1553380_at	-3.354223	-1.745979	3.354223	down	PARP15	165631	chr3:122334524-122355536 (+) // 98.42 // q21.1
215146_s_at	-3.334099	-1.737297	3.334099	down	TTC28	23331	chr22:28377255-28501665 (-) // 99.76 // q12.1
1562937_at	-3.33222	-1.736484	3.33222	down			chr4:187543069-187544347 (-) // 61.8 // q35.2
201188_s_at	-3.323751	-1.732812	3.323751	down	ITPR3	3710	chr6:33589155-33663708 (+) // 99.58 // p21.31
1554625_at	-3.276921	-1.712341	3.276921	down	BCL6B	255877	chr17:6926844-6931370 (+) // 97.59 // p13.1
231174_s_at	-3.256095	-1.703143	3.256095	down			chr6:131160852-131161519 (+) // 98.21 // q23.1
241535_at	-3.244642	-1.698059	3.244642	down	LOC101060391	101060391	chr2:945313-945594 (-) // 96.9 // p25.3
229900_at	-3.241602	-1.696707	3.241602	down	CD109	135228	chr6:74520770-74533826 (+) // 97.85 // q13
217378_x_at	-3.230722	-1.691857	3.230722	down	IGKV1OR2-108	28862	chr2:114164151-114164447 (+) // 100.0 // q13
227829_at	-3.230095	-1.691577	3.230095	down	GYLTLIB	120071	chr11:45949904-45950647 (+) // 91.53 // p11.2
1556950_s_at	-3.200953	-1.678502	3.200953	down	SERPIN6	5269	chr6:2966567-2968803 (-) // 19.64 // p25.2
1566646_at	-3.200591	-1.678338	3.200591	down	LINC01225	149086	chr1:31971896-31974166 (-) // 49.91 // p35.2
219256_s_at	-3.199653	-1.677915	3.199653	down	SH3TC1	54436	chr4:8216248-8242828 (+) // 99.28 // p16.1
204334_at	-3.198499	-1.677395	3.198499	down	KLF7	8609	chr2:207943711-208030739 (-) // 94.27 // q33.3
205931_s_at	-3.193126	-1.67497	3.193126	down	CREB5	9586	chr7:28475233-28859617 (+) // 92.63 // p15.1
224773_at	-3.190297	-1.673691	3.190297	down	NAV1	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
237497_at	-3.185966	-1.671731	3.185966	down			chr8:19606737-19607113 (-) // 100.0 // p21.3
212759_s_at	-3.180928	-1.669448	3.180928	down	TCF7L2	6934	chr10:114710142-114927433 (+) // 97.22 // q25.2
1552892_at	-3.180068	-1.669057	3.180068	down	TNFRSF13C	115650	chr22:42321035-42322782 (-) // 95.02 // q13.2
210514_x_at	-3.179175	-1.668653	3.179175	down	HLA-G	3135	chr6:29795597-29798557 (+) // 99.45 // p22.1
232898_at	-3.168291	-1.663705	3.168291	down	DAB2	1601	chr5:39386694-39389681 (-) // 86.89 // p13.1
215217_at	-3.16527	-1.662329	3.16527	down	IGKC	3514	chr2:89442057-89442333 (+) // 75.21 // p11.2
227000_at	-3.152607	-1.656545	3.152607	down	MTURN	222166	chr7:30198570-30200892 (+) // 91.07 // p14.3
235278_at	-3.150179	-1.655434	3.150179	down	MACROD2	140733	chr20:16032536-16033842 (+) // 94.09 // p12.1
241849_at	-3.149045	-1.654915	3.149045	down			chr5:149787316-149788164 (-) // 65.15 // q32
205159_at	-3.146977	-1.653966	3.146977	down	CSF2RB	1439	chr22:37318075-37336481 (+) // 88.72 // q12.3
213419_at	-3.12996	-1.646144	3.12996	down	APBB2	323	chr4:40816613-41016240 (-) // 94.26 // p14
209717_at	-3.124986	-1.643835	3.124986	down	EVIS	7813	chr1:92974252-93257961 (-) // 81.11 // p22.1
203999_at	-3.115741	-1.639575	3.115741	down	SYT1	6857	chr12:79258566-79845782 (+) // 96.51 // q21.2
211645_x_at	-3.101211	-1.632832	3.101211	down	IGKV1-17	28937	chr2:89161395-89417117 (-) // 99.38 // p11.2
1563209_a_at	-3.09726	-1.630744	3.09726	down	MACROD2	140733	chr20:15967370-16030686 (+) // 70.38 // p12.1
221757_at	-3.09347	-1.629226	3.09347	down	PIK3IP1	113791	chr22:31677578-31688465 (-) // 92.96 // q12.2
221978_at	-3.080196	-1.623022	3.080196	down	HLA-F	3134	chr6:29693711-29694301 (+) // 91.49 // p22.1
209558_s_at	-3.072197	-1.619271	3.072197	down	HIP1R	9026	chr12:123335801-123347507 (+) // 99.95 // q24.31
202073_at	-3.067973	-1.617286	3.067973	down	OPTN	10133	chr10:13142209-13180308 (+) // 85.94 // p13
215041_s_at	-3.067528	-1.617076	3.067528	down	DOCK9	23348	chr13:99540765-99738647 (-) // 97.39 // q32.3
213854_at	-3.061751	-1.614357	3.061751	down	SYNGR1	9145	chr22:39760174-39774386 (+) // 77.12 // q13.1
212671_s_at	-3.05612	-1.611701	3.05612	down	DQA1//HLA-DQA2	3117//3118	chr6:32605133-32611457 (+) // 95.34 // p21.32
218035_s_at	-3.054916	-1.611133	3.054916	down	RBM47	54502	chr4:40425740-40517968 (-) // 97.34 // p14
203045_at	-3.041464	-1.604766	3.041464	down	NINJ1	4814	chr9:95883781-95896519 (-) // 92.22 // q22.31
240432_x_at	-3.023948	-1.596433	3.023948	down	KLF7	8609	chr2:207939809-207940236 (-) // 91.16 // q33.3
233309_at	-3.020871	-1.594965	3.020871	down			chr9:74322255-74323767 (-) // 66.31 // q21.13
212094_at	-3.018777	-1.593964	3.018777	down	PEG10	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
224771_at	-3.014529	-1.591933	3.014529	down	NAV1	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
219039_at	-2.999217	-1.584586	2.999217	down	SEMA4C	54910	chr2:97525478-97530503 (-) // 97.01 // q11.2
207857_at	-2.994116	-1.58213	2.994116	down	LILRA2	11027	chr19:55085258-55099021 (+) // 99.88 // q13.42
240448_at	-2.96437	-1.567725	2.96437	down			chr18:8821582-8821930 (+) // 82.34 // p11.22
38340_at	-2.951601	-1.561498	2.951601	down	HIP1R	9026	chr12:123320050-123347500 (+) // 91.86 // q24.31
240081_at	-2.951034	-1.56122	2.951034	down			chr15:52495943-52496471 (-) // 65.34 // q21.2
227130_s_at	-2.949163	-1.560306	2.949163	down	TLE1	7088	chr9:84205813-84225212 (+) // 93.23 // q21.32
211100_x_at	-2.947631	-1.559556	2.947631	down	LILRA2	11027	chr19:55085345-55098862 (+) // 99.87 // q13.42
214961_at	-2.939865	-1.55575	2.939865	down	MTUS2	23281	chr13:29599450-30077877 (+) // 99.68 // q12.3
224793_s_at	-2.923745	-1.547817	2.923745	down	TGFBR1	7046	chr9:101912527-101915931 (+) // 94.86 // q22.33
212820_at	-2.907841	-1.539949	2.907841	down	DMXL2	23312	chr15:51739907-51773473 (-) // 98.88 // q21.2
239272_at	-2.899368	-1.535738	2.899368	down	MMP28	79148	chr17:34105508-34106012 (-) // 95.64 // q12
229623_at	-2.895557	-1.533841	2.895557	down	TMEM150C	441027	chr4:83403975-83404959 (-) // 57.14 // q21.22
236173_s_at	-2.894005	-1.533067	2.894005	down	LRIG1	26018	chr3:66465369-66550708 (+) // 98.19 // p14.1
226645_at	-2.893838	-1.532984	2.893838	down			chr19:16436641-16438887 (-) // 92.01 // p13.11
220389_at	-2.868826	-1.52046	2.868826	down	CCDC81	60494	chr11:86106223-86134150 (+) // 96.16 // q14.2
227721_at	-2.867912	-1.520001	2.867912	down	CPAMD8	27151	chr19:17003757-17137450 (-) // 96.6 // p13.11
206864_s_at	-2.865754	-1.518915	2.865754	down	HRK	8739	chr12:117299027-117319232 (-) // 75.84 // q24.22
237483_at	-2.845721	-1.508794	2.845721	down			chr12:19404356-19404673 (+) // 9.85 // p12.3
209676_at	-2.845501	-1.508683	2.845501	down	TFPI	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
241371_at	-2.840281	-1.506034	2.840281	down	TNFRSF10A	8797	chr8:23047968-23048455 (-) // 27.98 // p21.3
213358_at	-2.833329	-1.502498	2.833329	down	MTCL1	23255	chr18:8783685-8832776 (+) // 96.73 // p11.22
40562_at	-2.829425	-1.500509	2.829425	down	GNA11	2767	chr19:3094529-3121733 (+) // 78.16 // p13.3
207788_s_at	-2.829022	-1.500303	2.829022	down	SORBS3	10174	chr8:22423190-22432263 (+) // 96.41 // p21.3
205227_at	-2.807455	-1.489263	2.807455	down	ILIRAP	3556	chr3:190231890-190369301 (+) // 90.45 // q28
201811_x_at	-2.803072	-1.487009	2.803072	down	SH3BP5	9467	chr3:15296363-15373888 (-) // 95.02 // p25.1
220359_s_at	-2.801264	-1.486078	2.801264	down	ARPP21	10777	chr3:35721166-35727359 (+) // 96.28 // p22.3
202510_s_at	-2.796496	-1.483362	2.796496	down	TNFAIP2	7127	chr14:103592663-103603776 (+) // 75.19 // q32.32
206360_s_at	-2.793084	-1.481859	2.793084	down	SOCS3	9021	chr17:76354432-76355282 (-) // 99.76 // q25.3
217157_x_at	-2.790903	-1.480732	2.790903	down			chr2:89160396-89339984 (-) // 88.62 // p11.2

210432_s_at	-2.775075	-1.472527	2.775075	down	SCN3A	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
225288_at	-2.759815	-1.464572	2.759815	down	COL27A1	85301	chr9:117069690-117074794 (+) // 94.39 // q32
47069_at	-2.757753	-1.463494	2.757753	down	PRR5	55615	chr22:45133086-45133561 (+) // 76.37 // q13.31
201876_at	-2.755476	-1.462301	2.755476	down	PON2	5445	chr7:95034174-95064295 (-) // 97.69 // q21.3
46665_at	-2.754316	-1.461694	2.754316	down	SEMA4C	54910	chr2:97525472-97525948 (-) // 74.61 // q11.2
201906_s_at	-2.748129	-1.45845	2.748129	down	CTDSPL	10217	chr3:37903124-38025959 (+) // 93.6 // p22.2
225949_at	-2.748126	-1.458448	2.748126	down	NRBP2	340371	chr8:144915754-144923125 (-) // 70.08 // q24.3
227336_at	-2.745506	-1.457072	2.745506	down	DTX1	1840	chr12:113495494-113535830 (+) // 91.82 // q24.13
219551_at	-2.73334	-1.450665	2.73334	down	EAF2	55840	chr3:121554029-121605314 (+) // 97.52 // q13.33
204430_s_at	-2.732199	-1.450062	2.732199	down	SLC2A5	6518	chr1:9097006-9129670 (-) // 99.91 // p36.23
216401_x_at	-2.728559	-1.448139	2.728559	down	IGKV1-37//IGKVID-37	28894//28931	chr2:89923741-89924030 (+) // 92.31 // p11.2//chr2:89161046-89597303 (-) // 99.68 // p11.2
203222_s_at	-2.727409	-1.447531	2.727409	down	TLE1	7088	chr9:84199098-84303181 (-) // 99.19 // q21.32
201718_s_at	-2.725354	-1.446443	2.725354	down	EPB41L2	2037	chr6:131160486-131384391 (-) // 96.76 // q23.1
238339_x_at	-2.724811	-1.446156	2.724811	down	LRI1G1	26018	chr3:66463369-66550708 (-) // 97.5 // p14.1
220637_at	-2.718435	-1.442776	2.718435	down	FAM124B	79843	chr2:225243415-225266751 (-) // 97.9 // q36.2
1555609_a_at	-2.690902	-1.42809	2.690902	down	ZMAT3	64393	chr3:178742721-178789570 (-) // 99.63 // q26.32
1556598_at	-2.6897	-1.427445	2.6897	down	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
242525_at	-2.688542	-1.426824	2.688542	down	SLC2A5	6518	chr1:9095165-9095635 (-) // 63.1 // p36.23
209722_s_at	-2.686941	-1.425965	2.686941	down	SERPIN9	5272	chr6:2890245-2903527 (-) // 100.0 // p25.2
211789_s_at	-2.682497	-1.423577	2.682497	down	MLXIP	22877	chr12:122516759-122626359 (+) // 96.78 // q24.31
236255_at	-2.673761	-1.418871	2.673761	down	PLEKHG4B	153478	chr5:184414-185017 (+) // 10.97 // p15.33
210934_at	-2.672146	-1.417999	2.672146	down	BLK	640	chr8:11351677-11367397 (+) // 97.39 // p23.1
203220_s_at	-2.668752	-1.416165	2.668752	down	TLE1	7088	chr9:84198599-84303212 (-) // 98.66 // q21.32
1553297_a_at	-2.668502	-1.41603	2.668502	down	CSF3R	1441	chr1:36931643-36948509 (-) // 97.68 // p34.3
207446_at	-2.661371	-1.41217	2.661371	down	TLR6	10333	chr4:38828407-38831160 (-) // 94.93 // p14
219871_at	-2.657186	-1.409899	2.657186	down	KLF3-AS1	79667	chr4:38614321-38666249 (-) // 74.75 // p14
233567_at	-2.646653	-1.404169	2.646653	down	IPO9-AS1	100873949	chr1:201780629-201789881 (-) // 99.11 // q32.1
217478_s_at	-2.643771	-1.402597	2.643771	down	HLA-DMA	3108	chr6:32916407-32920314 (-) // 99.7 // p21.32
235457_at	-2.641829	-1.401537	2.641829	down	MAML2	84441	chr11:95709758-95710774 (-) // 98.55 // q21
204115_at	-2.628003	-1.393967	2.628003	down	GNL1	2791	chr7:93551358-93555821 (+) // 97.41 // q21.3
213075_at	-2.627879	-1.393899	2.627879	down	OLFM2A	169611	chr9:127575023-127577161 (+) // 50.92 // q33.3
230260_s_at	-2.625309	-1.392487	2.625309	down			chr3:16450929-16555158 (+) // 99.84 // p24.3
212975_at	-2.620161	-1.389656	2.620161	down	DENND3	22898	chr8:142146605-142205903 (+) // 98.8 // q24.3
203998_s_at	-2.619856	-1.389487	2.619856	down	SYT1	6857	chr12:79258566-79845782 (+) // 96.51 // q21.2
1555349_a_at	-2.607029	-1.382407	2.607029	down	ITGB2	3689	chr21:46306272-46340784 (-) // 99.68 // q22.3
239104_at	-2.600682	-1.37889	2.600682	down	LOC439933	439933	chr4:36230958-36245979 (+) // 95.33 // p14
216517_at	-2.59553	-1.376029	2.59553	down	IGKVID-8	28904	chr2:90259773-90260299 (+) // 100.0 // p11.2//chr2:89291876-89292403 (-) // 96.02 // p11.2
1566734_at	-2.588466	-1.372097	2.588466	down	LOC283454	283454	chr12:117293949-117295968 (+) // 57.16 // q24.22
215177_s_at	-2.582465	-1.368749	2.582465	down	ITGA6	3655	chr2:173355948-173369965 (+) // 94.77 // q31.1
216207_x_at	-2.564707	-1.358794	2.564707	down	IGKVID-13	28902	chr2:90192947-90193426 (+) // 100.0 // p11.2//chr2:89345484-89345963 (-) // 100.0 // p11.2//chr2:89309477-89309954 (-) // 95.47 // p11.2//chr2:89265779-89266257 (-) // 94.9 // p11.2//chr2:89291926-89619857 (-) // 94.9 // p11.2
1564149_at	-2.557008	-1.354457	2.557008	down	LOC102723927	102723927	chr2:242913028-242918857 (+) // 13.64 // q37.3
217480_x_at	-2.556836	-1.35436	2.556836	down	IGKV1ORI-1//IGKV1OR10-1//IGKV1OR2-1//IGKV1OR2-118	3525//3531//33956	chr10:42680769-42681237 (+) // 96.58 // q11.21//chr2:90458194-90458669 (+) // 99.15 // p11.2//chr2:91678896-91679371 (+) // 99.15 // p11.1//chr2:92005804-92006272 (+) // 96.3 // p11.1//chr9:42751541-42752482 (+) // 89.46 // p12//chr2:9222549-92223017 (-) // 96.3 // p11.1//chr22:17385110-17415105 (-) // 97.44 // q11.1//chr9:69777478-69777950 (-) // 88.6 // q21.11//chr9:70394617-70395089 (-) // 88.03 // q21.11//chrY:13629439-13629907 (-) // 94.87 // q11.21
209920_at	-2.552666	-1.352005	2.552666	down	BMPR2	659	chr2:203242161-203424683 (+) // 100.0 // q33.1
206337_at	-2.544785	-1.347544	2.544785	down	CCR7	1236	chr17:38710054-38721724 (-) // 99.77 // q21.2
212985_at	-2.53284	-1.340756	2.53284	down	APBB2	323	chr4:40812044-40816814 (-) // 79.15 // p14
229832_x_at	-2.529758	-1.338999	2.529758	down	SH3TC1	54436	chr4:8242463-8242814 (-) // 99.72 // p16.1
227221_at	-2.527149	-1.337511	2.527149	down	ZMAT3	64393	chr3:178737832-178739374 (-) // 97.71 // q26.32
1563357_at	-2.52039	-1.333647	2.52039	down	TNF	7124	chr6:2887602-2888080 (+) // 21.82 // p25.2
211798_x_at	-2.519036	-1.332872	2.519036	down	IGL3	28831	chr22:23063350-23241838 (+) // 43.04 // q11.22
204222_s_at	-2.518507	-1.332568	2.518507	down	GLIPR1	11010	chr12:75874533-75892891 (+) // 99.72 // q21.2
40148_at	-2.502096	-1.323137	2.502096	down	APBB2	323	chr4:40817320-41016240 (-) // 88.64 // p14
220373_at	-2.501197	-1.322619	2.501197	down	DCHS2	54798	chr4:155155526-155161977 (-) // 99.16 // q31.3
217183_at	-2.496069	-1.319658	2.496069	down	SPC24	147841	chr19:11238683-11242201 (-) // 99.63 // p13.2
1555557_a_at	-2.488873	-1.315493	2.488873	down	TNK2	10188	chr3:195590235-195619452 (-) // 97.49 // q29
1567628_at	-2.483823	-1.312563	2.483823	down	CD74	972	chr5:149782683-149782877 (-) // 91.08 // q32
217274_x_at	-2.478227	-1.309309	2.478227	down	MYL4	4635	chr17:45286473-45301036 (+) // 52.64 // p21.32
1552722_at	-2.473605	-1.306615	2.473605	down	ARPP21	10777	chr3:35722428-35726283 (+) // 94.39 // p22.3
211190_x_at	-2.472956	-1.306237	2.472956	down	CD84	8832	chr1:160518036-160549294 (-) // 99.69 // q23.3
203139_at	-2.470432	-1.304764	2.470432	down	DAPK1	1612	chr9:90112795-90323543 (+) // 98.7 // q21.33
229390_at	-2.465985	-1.302164	2.465985	down	FAM26F	441168	chr6:116782532-116784946 (+) // 97.23 // q22.1
206313_at	-2.464865	-1.301509	2.464865	down	HLA-DOA	3111	chr6:32974337-32977389 (-) // 100.0 // p21.32
1567627_at	-2.457063	-1.296935	2.457063	down	CD74	972	chr5:149782683-149782877 (+) // 91.08 // q32
219564_at	-2.454352	-1.295342	2.454352	down	KCNJ16	3773	chr17:68071425-68131744 (+) // 94.83 // q24.3
204032_at	-2.452838	-1.294452	2.452838	down	BCAR3	8412	chr1:94027350-94147202 (-) // 97.07 // p22.1
224772_at	-2.452436	-1.294215	2.452436	down	NAV1	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
208779_x_at	-2.449528	-1.292504	2.449528	down	DDR1	780	chr6:30852340-30867929 (+) // 96.82 // p21.33
212828_at	-2.447109	-1.291078	2.447109	down	SYNJ2	8871	chr6:158480004-158520205 (+) // 99.19 // q25.3
214181_x_at	-2.438133	-1.285777	2.438133	down	LST1	7940	chr6:31554806-31556685 (+) // 58.31 // p21.33
203940_s_at	-2.434386	-1.283558	2.434386	down	VASH1	22846	chr14:77228779-77249359 (+) // 92.12 // q24.3
211991_s_at	-2.428746	-1.280212	2.428746	down	HLA-DPA1	3113	chr6:33032790-33048537 (-) // 94.19 // p21.32
224350_at	-2.425842	-1.278486	2.425842	down			chr4:38676412-38677218 (+) // 61.53 // p14
214978_s_at	-2.420311	-1.275193	2.420311	down	PPFIA4	8497	chr1:203024706-2030447863 (+) // 97.84 // q32.1



1563802_at	-2.418409	-1.274058	2.418409	down	LINC01226	284551	chr1:31986546-31989846 (+) // 67.09 // p35.2
204069_at	-2.418204	-1.273936	2.418204	down	MEIS1	4211	chr2:66662923-66799613 (+) // 98.33 // p14
201810_s_at	-2.410437	-1.269295	2.410437	down	SH3BP5	9467	chr3:15296359-15374066 (-) // 92.33 // p25.1
211189_x_at	-2.396812	-1.261117	2.396812	down	CD84	8832	chr1:160518034-160549294 (-) // 99.73 // q23.3
211799_x_at	-2.391552	-1.257947	2.391552	down	HLA-C	3107	chr6:31237114-31239848 (-) // 93.57 // p21.33
202198_s_at	-2.38153	-1.251889	2.38153	down	MTMR3	8897	chr22:30374429-30421806 (+) // 99.7 // q12.2
231935_at	-2.380596	-1.251323	2.380596	down	ARPP21	10777	chr3:35731569-35835978 (+) // 97.11 // p22.3
203217_s_at	-2.380495	-1.251262	2.380495	down	ST3GALS5	8869	chr2:86066273-86116137 (-) // 97.46 // p11.2
216976_s_at	-2.380018	-1.250972	2.380018	down	RYK	6259	chr3:133876768-133969598 (-) // 92.23 // q22.2
209253_at	-2.379016	-1.250365	2.379016	down	SORBS3	10174	chr8:22409461-22433012 (+) // 97.69 // p21.3
227954_at	-2.37331	-1.246901	2.37331	down	ITPRIPL2	162073	chr16:19126959-19128212 (+) // 99.21 // p12.3
213712_at	-2.373041	-1.246737	2.373041	down	ELOVL2	54898	chr6:10980994-10982303 (-) // 92.52 // p24.2
237187_at	-2.370337	-1.245092	2.370337	down	HRK	8739	chr12:117297456-117297924 (-) // 96.88 // q24.22
210612_s_at	-2.370311	-1.245076	2.370311	down	SYNJ2	8871	chr6:158402918-158519568 (+) // 99.84 // q25.3
218113_at	-2.367082	-1.24311	2.367082	down	TMEM2	23670	chr9:74298282-74383408 (-) // 98.39 // q21.13
228585_at	-2.358152	-1.237657	2.358152	down	ENTPD1	953	chr10:97636304-97637022 (+) // 82.67 // q24.1
220566_at	-2.353441	-1.234772	2.353441	down	PIK3R5	23533	chr17:8783412-8814834 (-) // 96.25 // p13.1
1007_s_at	-2.351936	-1.233849	2.351936	down	DDR1	780	chr6:30856165-30867931 (+) // 95.63 // p21.33
211582_x_at	-2.337499	-1.224966	2.337499	down	LST1	7940	chr6:31554475-31556587 (+) // 85.2 // p21.33
217436_x_at	-2.335653	-1.223826	2.335653	down	HLA-J	3137	chr6:29974373-29977148 (+) // 99.55 // p22.1
216080_s_at	-2.331689	-1.221375	2.331689	down	FADS3	3995	chr11:61643320-61653789 (-) // 96.92 // q12.2
211530_x_at	-2.32635	-1.218068	2.32635	down	HLA-G	3135	chr6:29795621-29798631 (+) // 99.83 // p22.1
219396_s_at	-2.324804	-1.217109	2.324804	down	NEIL1	79661	chr15:75639409-75647586 (+) // 97.65 // q24.2
218831_s_at	-2.32411	-1.216678	2.32411	down	FCGRT	2217	chr19:50016537-50029588 (+) // 99.31 // q13.33
207838_x_at	-2.323249	-1.216144	2.323249	down	PBXIP1	57326	chr1:154917428-154928580 (-) // 99.15 // q21.3
218045_x_at	-2.32255	-1.21571	2.32255	down	PTMS	5763	chr12:6875562-6880114 (+) // 78.72 // p13.31
226108_at	-2.321884	-1.215296	2.321884	down	ZC3H18	124245	chr16:88690414-88698371 (+) // 98.94 // q24.2
207238_s_at	-2.318198	-1.213004	2.318198	down	PTPRC	5788	chr1:198608230-198725624 (+) // 98.98 // q31.3
207237_at	-2.31203	-1.20916	2.31203	down	KCNA3	3738	chr1:11214309-11217362 (-) // 99.5 // p13.3
1559394_a_at	-2.309837	-1.207791	2.309837	down			chr1:64377384-64377813 (+) // 43.88 // p31.3
243825_at	-2.307454	-1.206302	2.307454	down	BCL6B	255877	chr17:6933190-6933610 (+) // 75.41 // p13.1
203839_s_at	-2.306146	-1.205484	2.306146	down	TNK2	10188	chr3:195590235-195635955 (-) // 97.12 // q29
203028_s_at	-2.304209	-1.204272	2.304209	down	CYBA	1535	chr16:88709697-88717449 (-) // 93.6 // q24.3
1554383_a_at	-2.303282	-1.203691	2.303282	down	TRAM2	9697	chr6:52367770-52441862 (-) // 85.3 // p12.2
					IGHA1//IGHD//IGHG1//IGHG3//IGHM//IGHV3-21//IGHV3-48//IGHV3-71//IGHV4-31	3493//3495//3500//	chr14:106691672-106691896 (-) // 74.66 // q32.33
216557_x_at	-2.285786	-1.19269	2.285786	down	LINC01181	379034	chr8:104133259-104152583 (+) // 73.83 // q22.3
1562433_at	-2.279795	-1.188904	2.279795	down			chr12:122615421-122618703 (+) // 92.28 // q24.31
1554886_a_at	-2.278814	-1.188283	2.278814	down	MLXIP	22877	
211192_s_at	-2.275301	-1.186058	2.275301	down	CD84	8832	chr1:160523538-160549294 (-) // 99.18 // q23.3
225725_at	-2.272199	-1.184089	2.272199	down	ZMAT3	64393	chr3:178735014-178737263 (-) // 90.94 // q26.32
216322_at	-2.269052	-1.18209	2.269052	down	CD58	965	chr1:117061852-117087208 (+) // 96.54 // p13.1
215813_s_at	-2.265861	-1.180059	2.265861	down	PTGS1	5742	chr9:125133363-125155457 (+) // 99.91 // q33.2
225293_at	-2.262678	-1.178031	2.262678	down	COL27A1	85301	chr9:117069690-117074794 (+) // 94.39 // q22.1
211596_s_at	-2.262121	-1.177676	2.262121	down	LRIG1	26018	chr3:66429221-66551351 (-) // 97.86 // p14.1
213138_at	-2.261873	-1.177518	2.261873	down	ARID5A	10865	chr2:97202467-97218371 (+) // 95.59 // q11.2
213618_at	-2.254433	-1.172765	2.254433	down	ARAP2	116984	chr4:36067625-36166729 (-) // 97.81 // p14
201719_s_at	-2.253831	-1.172379	2.253831	down	EPB41L2	2037	chr6:131160489-131277640 (-) // 97.28 // q23.1
219753_at	-2.253211	-1.171982	2.253211	down	STAG3	10734	chr7:99775346-99812003 (+) // 99.21 // q22.1
231963_at	-2.251866	-1.171121	2.251866	down	ANKRD33B	651746	chr5:10654586-10657225 (+) // 99.58 // p15.2
239657_x_at	-2.247883	-1.168567	2.247883	down	FOXO6	100132074	chr1:41848960-41849262 (+) // 96.46 // p34.2
209458_x_at	-2.247598	-1.168384	2.247598	down	HBA1//HBA2	3039//3040	chr16:226694-227448 (+) // 100.0 // p13.3//chr16:222890-223613 (+) // 95.08 // p13.3
214777_at	-2.243479	-1.165737	2.243479	down	IGKV4-1	28908	chr2:89184912-89185668 (+) // 70.17 // p11.2
228362_s_at	-2.236329	-1.161133	2.236329	down	FAM26F	441168	chr6:116783401-116784745 (-) // 98.1 // q22.1
211581_x_at	-2.234967	-1.160253	2.234967	down	LST1	7940	chr6:31554624-31556587 (+) // 80.95 // p21.33
207042_at	-2.233022	-1.158997	2.233022	down	E2F2	1870	chr1:23836347-23857712 (-) // 99.94 // p36.12
244676_s_at	-2.232591	-1.158719	2.232591	down	MTUS2	23281	chr13:30079606-30080074 (+) // 91.76 // q12.3
221704_s_at	-2.230189	-1.157166	2.230189	down	VPS37B	79720	chr12:123349878-123380651 (-) // 99.0 // p24.31
231775_at	-2.226537	-1.154802	2.226537	down	TNFRSF10A	8797	chr8:23048579-23082629 (-) // 78.95 // p21.3
220712_at	-2.220429	-1.150838	2.220429	down			chr8:142180497-142183016 (+) // 89.64 // q24.3
225262_at	-2.218581	-1.149637	2.218581	down	FOSL2	2355	chr2:28637668-28639558 (+) // 81.76 // p23.2
201656_at	-2.21525	-1.14747	2.21525	down	ITGA6	3655	chr2:173292369-173371002 (+) // 99.04 // q31.1
221669_s_at	-2.211782	-1.145209	2.211782	down	ACAD8	27034	chr11:134123464-134135555 (+) // 96.63 // q25
225360_at	-2.207448	-1.142379	2.207448	down	TRABD	80305	chr22:50624361-50638295 (+) // 97.55 // q13.33
1556599_s_at	-2.201911	-1.138756	2.201911	down	ARPP21	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
202087_s_at	-2.199451	-1.137143	2.199451	down	CTSL	1514	chr9:90341033-90346307 (+) // 100.0 // q21.33
224516_s_at	-2.198047	-1.136222	2.198047	down	CXXC5	51523	chr5:139027945-139063465 (+) // 94.22 // q31.2
221105_at	-2.190744	-1.131421	2.190744	down			chr8:134537860-134540252 (+) // 48.06 // q24.22
230896_at	-2.187836	-1.129504	2.187836	down	BEND4	389206	chr4:42112869-42113898 (-) // 99.81 // p13
208637_x_at	-2.185223	-1.127781	2.185223	down	ACTN1	87	chr14:69341398-69446010 (-) // 97.92 // q24.1
204257_at	-2.17744	-1.122633	2.17744	down	FADS3	3995	chr11:61640998-61658986 (-) // 92.83 // q12.2
209723_at	-2.177209	-1.12248	2.177209	down	SERPINB9	5272	chr6:2887505-2903507 (-) // 57.09 // p25.2
200952_s_at	-2.176824	-1.122225	2.176824	down	CCND2	894	chr12:4382937-4414519 (+) // 95.53 // p13.32
242814_at	-2.175213	-1.121157	2.175213	down	SERPINB9	5272	chr6:2893303-2893707 (-) // 88.02 // p25.2
213662_at	-2.172644	-1.119452	2.172644	down	FAM134B	54463	chr5:16474222-16617210 (+) // 92.87 // p15.1
231062_at	-2.17262	-1.119436	2.17262	down	DOCK9-A52	100861541	chr13:99740468-99740878 (+) // 98.79 // q32.3
216942_s_at	-2.168354	-1.1166	2.168354	down	CD58	965	chr1:117061852-117087212 (-) // 97.53 // p13.1
226017_at	-2.166753	-1.115535	2.166753	down	CMTM7	112616	chr3:32433363-32496333 (+) // 96.96 // p22.3
214574_x_at	-2.165432	-1.114655	2.165432	down	LST1	7940	chr6:31554976-31556658 (+) // 78.24 // p21.33
206636_at	-2.16532	-1.11458	2.16532	down	RASA2	5922	chr3:141205925-141331197 (+) // 97.84 // q23
242957_at	-2.157369	-1.109273	2.157369	down	VWCE	220001	chr11:61025761-61026208 (-) // 95.31 // q12.2
211887_x_at	-2.155352	-1.107924	2.155352	down	MSR1	4481	chr8:15967593-16035497 (-) // 100.0 // p22
214367_at	-2.151329	-1.105228	2.151329	down	RASGRP2	10235	chr11:64508337-64511839 (+) // 92.05 // q13.1
210749_x_at	-2.145463	-1.101289	2.145463	down	DDR1	780	chr6:30852445-30867931 (+) // 99.68 // p21.33
231873_at	-2.136977	-1.095571	2.136977	down	BMPR2	659	chr2:203426755-203429771 (+) // 71.06 // q33.2
223179_at	-2.133634	-1.093313	2.133634	down	YPEL3	83719	chr16:30103635-30106757 (-) // 87.83 // p11.2
235106_at	-2.13234	-1.092438	2.13234	down	MAML2	84441	chr11:95711403-95724879 (-) // 99.8 // q21

241505_at	-2.130579	-1.091246	2.130579	down		chr2:242924313-242924755 (+) // 35.84 // q37.3
222528_s_at	-2.128313	-1.08971	2.128313	down	<i>SLC25A37</i>	51312 chr8:23386488-23429716 (+) // 95.47 // p21.2
229391_s_at	-2.127125	-1.088905	2.127125	down	<i>FAM26F</i>	441168 chr6:116782532-116784946 (+) // 97.23 // q22.1
210629_x_at	-2.122938	-1.086063	2.122938	down	<i>LST1</i>	7940 chr6:31553977-31556587 (+) // 85.23 // p21.33
227589_at	-2.121707	-1.085226	2.121707	down	<i>PITPNCI</i>	26207 chr17:65373941-65665781 (-) // 91.68 // q24.2
1555536_at	-2.120609	-1.084479	2.120609	down	<i>ANTXR2</i>	118429 chr4:80898690-80993854 (-) // 99.85 // q21.21
239988_at	-2.119649	-1.083825	2.119649	down	<i>LOC102723458</i>	102723458 chr4:89336532-89337004 (-) // 23.94 // q22.1
242764_at	-2.118813	-1.083257	2.118813	down	<i>DCHS2</i>	54798 chr4:155253536-155254604 (-) // 97.75 // q31.3
234924_s_at	-2.107318	-1.075408	2.107318	down	<i>ZNF687</i>	57592 chr1:151259959-151264379 (+) // 99.15 // q21.3
235076_at	-2.095322	-1.067172	2.095322	down	<i>CALCOCO2</i>	10241 chr17:46941446-46942575 (+) // 75.49 // q21.32
214326_x_at	-2.090343	-1.06374	2.090343	down	<i>JUND</i>	3727 chr19:18391013-18391448 (-) // 99.54 // p13.11
214156_at	-2.089952	-1.06347	2.089952	down	<i>MYRIP</i>	25924 chr3:40285936-40301809 (+) // 91.64 // p22.1
240413_at	-2.088644	-1.062567	2.088644	down	<i>PYHINI</i>	149628 chr1:158946486-158946838 (+) // 69.89 // q23.1
209372_x_at	-2.084915	-1.059989	2.084915	down	<i>TUBB2A//TUBB2B</i>	7280//347733 chr6:3224508-3227969 (-) // 96.67 // p25.2
208506_at	-2.083084	-1.058721	2.083084	down	<i>HIST1H3F</i>	8968 chr6:26250422-26250833 (-) // 100.0 // p22.2
228527_s_at	-2.077785	-1.055047	2.077785	down	<i>SLC25A37</i>	51312 chr8:23429095-23429606 (-) // 99.8 // p21.2
217531_at	-2.074896	-1.053039	2.074896	down		chr3:32317138-32317651 (+) // 39.32 // p22.3
200953_s_at	-2.06792	-1.04818	2.06792	down	<i>CCND2</i>	894 chr12:4382937-4414516 (+) // 97.58 // p13.32
218807_at	-2.067624	-1.047974	2.067624	down	<i>VAV3</i>	10451 chr1:108113789-108507538 (-) // 99.48 // p13.3
232267_at	-2.06616	-1.046952	2.06616	down	<i>ADGRD1</i>	chr12:131555397-131626010 (+) // 98.39 // q24.33
219279_at	-2.063316	-1.044965	2.063316	down	<i>DOCK10</i>	55619 chr2:225629807-225661715 (-) // 98.89 // q36.2
227060_at	-2.061523	-1.043711	2.061523	down	<i>RELT</i>	84957 chr11:73105302-73108518 (+) // 74.0 // q13.4
220568_at	-2.061288	-1.043546	2.061288	down		chr11:33894740-33896541 (-) // 86.74 // p13
211745_x_at	-2.054578	-1.038842	2.054578	down	<i>HBA1//HBA2</i>	3039//3040 chr16:226678-227521 (+) // 91.15 // p13.3
51158_at	-2.054441	-1.038746	2.054441	down	<i>FAM174B</i>	400451 chr15:93160677-93161316 (-) // 96.23 // q26.1
1554834_a_at	-2.051291	-1.036532	2.051291	down	<i>RASSF5</i>	83593 chr1:206680878-206761044 (+) // 98.34 // q32.1
221920_s_at	-2.049141	-1.035019	2.049141	down	<i>SLC25A37</i>	51312 chr8:23429095-23429717 (+) // 99.36 // p21.2
213541_s_at	-2.048505	-1.034572	2.048505	down	<i>ERG</i>	2078 chr21:39753379-39754939 (-) // 94.4 // q22.2
202479_s_at	-2.047818	-1.034087	2.047818	down	<i>TRIB2</i>	28951 chr2:12857947-12881530 (+) // 98.7 // p24.3
223670_s_at	-2.047523	-1.03388	2.047523	down	<i>HEMGN</i>	55363 chr9:100689633-100707103 (-) // 98.64 // q22.33
37028_at	-2.046433	-1.033112	2.046433	down	<i>PPP1R15A</i>	23645 chr19:49375697-49379315 (+) // 96.47 // q13.33
208423_s_at	-2.046432	-1.033111	2.046432	down	<i>MSR1</i>	4481 chr8:15998287-16050168 (-) // 99.93 // p22
205128_x_at	-2.045054	-1.032139	2.045054	down	<i>PTGS1</i>	5742 chr9:125133358-125155569 (+) // 99.84 // q33.2
228246_s_at	-2.041692	-1.029765	2.041692	down	<i>SPTBN1</i>	6711 chr2:54856333-54856838 (-) // 100.0 // p16.2
1555565_s_at	-2.041115	-1.029357	2.041115	down	<i>TAPBP</i>	6892 chr6:33272044-33281818 (-) // 99.92 // p21.32
215485_s_at	-2.03996	-1.028541	2.03996	down	<i>ICAM1</i>	3383 chr19:10394394-10395941 (+) // 98.06 // p13.2
211020_at	-2.035158	-1.025141	2.035158	down	<i>GCNT2</i>	2651 chr6:10556402-10627190 (+) // 100.0 // p24.3
207375_s_at	-2.025481	-1.018264	2.025481	down	<i>IL15RA</i>	3601 chr10:5994333-6019537 (-) // 98.57 // p15.1
227425_at	-2.0249	-1.017851	2.0249	down	<i>REPS2</i>	9185 chrX:17169413-17171395 (+) // 97.54 // p22.13
207667_s_at	-2.012192	-1.008768	2.012192	down	<i>MAP2K3</i>	5606 chr17:21194780-21218277 (+) // 97.0 // p11.2
201369_s_at	-2.004072	-1.002935	2.004072	down	<i>ZFP36L2</i>	678 chr2:43451373-43453518 (-) // 85.02 // p21
1568619_s_at	-2.002802	-1.00202	2.002802	down	<i>ITPR1PL2</i>	162073 chr16:19130076-19131514 (+) // 82.15 // p12.3
229860_x_at	-2.002329	-1.001679	2.002329	down	<i>C4orf48</i>	401115 chr4:2043719-2045691 (+) // 81.84 // p16.3
202723_s_at	-2.001068	-1.00077	2.001068	down	<i>FOXO1</i>	2308 chr13:41129803-41240734 (-) // 97.69 // q14.11
217173_s_at	-2.001057	-1.000763	2.001057	down	<i>LDLR</i>	3949 chr19:11238683-11242201 (+) // 99.63 // p13.2

Table S8. Probe set ID used for hierarchical clustering and principal component analysis

Probe Set ID

1552496_a_at	203373_at	209604_s_at	213189_at	227954_at	237439_at
1552722_at	203431_s_at	209676_at	213258_at	227998_at	237974_at
1553025_at	203434_s_at	209822_s_at	213558_at	228297_at	238107_at
1553078_at	203435_s_at	210016_at	214378_at	228303_at	238275_at
1553645_at	204030_s_at	210033_s_at	215721_at	228956_at	238533_at
1553849_at	204069_at	210432_s_at	215937_at	229288_at	238689_at
1554633_a_at	204304_s_at	210473_s_at	217022_s_at	229589_x_at	239092_at
1556385_at	204680_s_at	210664_s_at	218035_s_at	229661_at	239178_at
1556598_at	204681_s_at	210665_at	218469_at	229698_at	239650_at
1556599_s_at	205253_at	210830_s_at	219463_at	230551_at	240178_at
1557534_at	205289_at	210875_s_at	220359_s_at	230597_at	240292_x_at
1559265_at	205726_at	211214_s_at	220389_at	231040_at	240395_at
1559315_s_at	205826_at	211341_at	220454_s_at	231223_at	240463_at
1559477_s_at	206001_at	211644_x_at	220568_at	231455_at	241812_at
1559827_at	206492_at	212062_at	221584_s_at	231935_at	241871_at
1560018_at	206806_at	212092_at	223475_at	232231_at	242172_at
201445_at	206852_at	212094_at	223689_at	232539_at	242747_at
201579_at	206940_s_at	212148_at	224022_x_at	232544_at	242976_at
201876_at	207610_s_at	212151_at	225369_at	232914_s_at	243533_x_at
202242_at	208303_s_at	212298_at	226415_at	234985_at	243727_at
202668_at	208358_s_at	212364_at	227036_at	235099_at	244623_at
202988_s_at	208422_at	212686_at	227439_at	235146_at	
203038_at	209191_at	213050_at	227441_s_at	236489_at	
203196_at	209200_at	213058_at	227923_at	236501_at	
203372_s_at	209602_s_at	213094_at	227949_at	237003_at	

Table S9. Differentially expressed genes between *MEF2D* fusion- or *TCF3-PBX1*-positive ALL and B-others (up and down fold change >2.0)

A. ([*MEF2D*] vs. [B-others])

Probe Set ID	FC ([ <i>MEF2D</i> ] vs. [B-others])	Log FC ([ <i>MEF2D</i> ] vs. [B-others])	FC (abs) ([ <i>MEF2D</i> ] vs. [B-others])	Regulation ([ <i>MEF2D</i> ] vs. [B-others])	Gene Symbol	Entrez Gene	Alignments
213094_at	145.23874	7.1822824	145.23874	up	<i>ADGRG6</i>	57211	chr6:142726625-142767388 (+) // 98.09 // q24.1
1553025_at	122.24506	6.9336324	122.24506	up	<i>ADGRG6</i>	57211	chr6:142726824-142764664 (+) // 65.95 // q24.1
206806_at	95.01052	6.5700154	95.01052	up	<i>DGKI</i>	9162	chr7:137074384-138037046 (-) // 89.79 // q33
240395_at	94.95383	6.5691543	94.95383	up	<i>DGKI</i> /// <i>LOC10012872</i> 7	9162///100128727	chr7:137069155-137069660 (-) // 68.09 // q33
239650_at	70.52362	6.1400347	70.52362	up	<i>NCKAP5</i>	344148	chr2:133429372-133429887 (-) // 97.91 // q21.2
210033_s_at	49.194225	5.620417	49.194225	up	<i>SPAG6</i>	9576	chr10:22634415-22706536 (+) // 99.96 // p12.2
228956_at	49.16877	5.6196704	49.16877	up	<i>UGT8</i>	7368	chr4:115597646-115599380 (+) // 91.08 // q26
208358_s_at	40.513012	5.3403134	40.513012	up	<i>UGT8</i>	7368	chr4:115519909-115597486 (+) // 99.21 // q26
221584_s_at	40.132996	5.326717	40.132996	up	<i>KCNMA1</i>	3778	chr10:78644637-79397291 (-) // 96.26 // q22.3
225540_at	33.14054	5.050525	33.14054	up	<i>MAP2</i>	4133	chr2:210596755-210598836 (+) // 95.43 // q34
226415_at	30.172554	4.915165	30.172554	up	<i>VATIL</i>	57687	chr16:77822490-78014003 (+) // 98.65 // q23.1
242747_at	29.25002	4.8703656	29.25002	up	<i>LOC105374869</i>	105374869	
203038_at	26.91565	4.7503734	26.91565	up	<i>PTPRK</i>	5796	chr6:128289931-128841513 (-) // 99.2 // q22.33
1561135_at	26.381325	4.721445	26.381325	up			chr2:133689906-133690479 (-) // 95.93 // q21.2
230128_at	25.019943	4.6450067	25.019943	up	<i>CKAP2</i>	26586	chr22:23230013-23232345 (+) // 64.14 // q11.22
243313_at	24.79025	4.631701	24.79025	up	<i>SYNPO2L</i>	79933	chr10:75404638-75405095 (-) // 99.35 // q22.2
1552496_a_at	24.63379	4.6225667	24.63379	up	<i>COBL</i>	23242	chr7:51084978-51103652 (-) // 92.11 // p12.1
1563881_at	23.981451	4.583847	23.981451	up	<i>MAG11</i>	9223	
213050_at	23.427458	4.5501285	23.427458	up	<i>COBL</i>	23242	chr7:51083909-51384496 (-) // 99.25 // p12.1
210015_s_at	22.617943	4.499396	22.617943	up	<i>MAP2</i>	4133	chr2:210517906-210595233 (+) // 99.46 // q34
230551_at	22.092213	4.465466	22.092213	up	<i>KSR2</i>	283455	chr12:117890858-117891310 (-) // 87.61 // q24.22
231223_at	21.960262	4.4568233	21.960262	up	<i>CSMD1</i>	64478	chr8:2792875-2793277 (-) // 97.34 // p23.2
238751_at	20.589724	4.3638525	20.589724	up			chr4:186563515-186564270 (-) // 81.17 // q35.1
240178_at	20.348364	4.346841	20.348364	up			chr12:70079571-70079964 (+) // 92.39 // q15
203865_s_at	20.136637	4.331751	20.136637	up	<i>ADARB1</i>	104	chr21:46494514-46646474 (+) // 95.17 // q22.3
221583_s_at	17.968172	4.1673717	17.968172	up	<i>KCNMA1</i>	3778	chr10:78644636-79397568 (-) // 95.13 // q22.3
238919_at	17.403845	4.121334	17.403845	up	<i>PCDH9</i>	5101	chr13:67775146-67775679 (-) // 93.89 // q21.32
205826_at	15.866263	3.9878905	15.866263	up	<i>MYOM2</i>	9172	chr8:1993247-2093379 (+) // 99.21 // p23.3
232914_s_at	15.475428	3.9519074	15.475428	up	<i>SYTL2</i>	54843	chr11:85405326-85522178 (-) // 99.08 // q14.1
230968_at	15.134597	3.9197783	15.134597	up	<i>HDAC9</i>	9734	chr7:19041411-19042039 (+) // 97.21 // p21.1
242952_at	14.807755	3.888281	14.807755	up			chr7:18559232-18559703 (+) // 49.58 // p21.1
211597_s_at	14.656923	3.8735104	14.656923	up	<i>HOPX</i>	84525	chr4:57514165-57524065 (-) // 91.34 // q12
237003_at	14.155292	3.8232696	14.155292	up	<i>BEST3</i>	144453	chr12:70047389-70047852 (-) // 97.03 // q15
219463_at	14.091564	3.8167598	14.091564	up	<i>LAMP5</i>	24141	chr20:9495297-9511171 (+) // 100.0 // p12.2
242764_at	13.997021	3.8070478	13.997021	up	<i>DCHS2</i>	54798	chr4:155253536-155254604 (-) // 97.75 // q31.3
1552760_at	13.841484	3.7909267	13.841484	up	<i>HDAC9</i>	9734	chr7:18535368-19036398 (+) // 96.51 // p21.1
214432_at	13.455819	3.7501583	13.455819	up	<i>ATPLA3</i>	478	chr19:42470735-42498367 (-) // 98.06 // q13.2
1565602_at	13.190083	3.7213817	13.190083	up	<i>PCDH9</i>	5101	chr13:67780302-67780881 (-) // 50.59 // q21.32
239178_at	13.119987	3.7136943	13.119987	up	<i>FGF9</i>	2254	chr13:22277427-22278133 (+) // 100.0 // q12.11
201579_at	12.799459	3.678011	12.799459	up	<i>FAT1</i>	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
203431_s_at	12.790092	3.6769547	12.790092	up	<i>ARHGAP32</i>	9743	chr11:128837841-128894009 (-) // 99.98 // q24.3
213610_s_at	12.711058	3.6680121	12.711058	up	<i>KLHL23</i> /// <i>PHOSPHO</i> <i>2-KLHL23</i>	151230///100526832	chr2:170606859-170608394 (+) // 48.07 // q31.1
244623_at	12.451494	3.638247	12.451494	up	<i>KCNQ5</i>	56479	chr6:73908065-73908580 (+) // 100.0 // q13
225496_s_at	12.31663	3.6225357	12.31663	up	<i>SYTL2</i>	54843	chr11:85405263-85426180 (-) // 97.27 // q14.1
204686_at	12.29635	3.6201582	12.29635	up	<i>IRS1</i>	3667	chr2:227599937-227664475 (-) // 97.31 // q36.3
216874_at	12.045064	3.5903702	12.045064	up	<i>LOC100505498</i>	100505498	
201976_s_at	12.036118	3.5892982	12.036118	up	<i>MYO10</i>	4651	chr5:16665412-16936139 (-) // 99.08 // p15.1

237439_at	11.911289	3.5742576	11.911289 up	<i>USP43</i>	124739 chr17:9632728-9633004 (+) // 84.43 // p13.1
220613_s_at	11.796968	3.5603442	11.796968 up	<i>SYTL2</i>	54843 chr11:85444653-85468788 (-) // 82.64 // q14.1
225369_at	11.728035	3.5518894	11.728035 up	<i>ESAM</i>	90952 chr11:124623025-124632167 (-) // 97.98 // q24.2
242976_at	11.657309	3.5431628	11.657309 up		chr6:73397971-73398396 (+) // 38.25 // q13
212651_at	11.647822	3.5419884	11.647822 up	<i>RHOBTB1</i>	9886 chr10:62629199-62703926 (-) // 97.78 // q21.2
206385_s_at	11.5299	3.527308	11.5299 up	<i>ANK3</i>	288 chr10:61788159-62149488 (-) // 99.47 // q21.2
205659_at	11.528107	3.5270836	11.528107 up	<i>HDAC9</i>	9734 chr7:18535368-18708465 (+) // 100.0 // p21.1
1555492_a_at	11.117199	3.4747214	11.117199 up	<i>BEST3</i>	144453 chr12:70065206-70093141 (-) // 84.46 // q15
205769_at	11.014946	3.4613905	11.014946 up	<i>SLC27A2</i>	11001 chr15:50474421-50528570 (+) // 99.11 // q21.2
235721_at	10.740942	3.4250486	10.740942 up	<i>DTX3</i>	196403 chr12:58003197-58003585 (+) // 90.66 // q13.3
241871_at	10.719818	3.4222085	10.719818 up	<i>CAMK4</i>	814 chr5:110820673-110821638 (+) // 99.48 // q22.1
206404_at	10.693496	3.4186616	10.693496 up	<i>FGF9</i>	2254 chr13:22245874-22276184 (+) // 93.66 // q12.11
205805_s_at	10.587056	3.4042296	10.587056 up	<i>ROR1</i>	4919 chr1:64239713-64644707 (+) // 98.93 // p31.3
211586_s_at	10.570616	3.4019876	10.570616 up	<i>ATP2B2</i>	491 chr3:10370484-10547246 (-) // 99.23 // p25.3
230597_at	10.530271	3.3964705	10.530271 up	<i>SLC7A3</i>	84889 chrX:70145431-70146018 (-) // 96.24 // q13.1
203917_at	10.31203	3.3662565	10.31203 up	<i>CXADR</i>	1525 chr21:18885394-18939265 (+) // 97.9 // q21.1
1565601_at	10.274663	3.3610191	10.274663 up		chr13:67780292-67780881 (+) // 50.59 // q21.32
220373_at	10.268256	3.3601193	10.268256 up	<i>DCHS2</i>	54798 chr4:155155526-155161977 (-) // 99.16 // q31.3
224520_s_at	10.132397	3.3409035	10.132397 up	<i>BEST3</i>	144453 chr12:70077018-70093113 (-) // 70.52 // q15
219738_s_at	10.125776	3.3399606	10.125776 up	<i>PCDH9</i>	5101 chr13:66876970-67802690 (-) // 97.3 // q21.32
218469_at	10.036625	3.3272023	10.036625 up	<i>GREM1</i>	26585 chr15:33010301-33026866 (+) // 99.65 // q13.3
1558815_at	9.860515	3.301663	9.860515 up	<i>SORBS2</i>	8470 chr4:186695157-186877513 (-) // 93.79 // q35.1
224363_at	9.712796	3.2798867	9.712796 up		chr2:133874576-133876622 (+) // 65.81 // q21.2
204836_at	9.5998745	3.2630155	9.5998745 up	<i>GLDC</i>	2731 chr9:6532468-6645650 (-) // 98.31 // p24.1
204680_s_at	9.484631	3.2455916	9.484631 up	<i>RAPGEF5</i>	9771 chr7:22157921-22233334 (-) // 94.14 // p15.3
203999_at	9.335964	3.222799	9.335964 up	<i>SYT1</i>	6857 chr12:79258566-79845782 (+) // 96.51 // q21.2
215721_at	9.200398	3.2016964	9.200398 up	<i>IGHG1///IGHV5-51</i>	3500//28388 chr14:107034162-107035220 (-) // 98.58 // q32.33
213273_at	8.999559	3.1698544	8.999559 up	<i>TENM4</i>	26011 chr11:78364327-78380208 (-) // 95.31 // q14.1
217968_at	8.969445	3.1650188	8.969445 up	<i>TSSCI</i>	7260 chr2:3192742-3381598 (-) // 97.54 // p25.3
1553849_at	8.950297	3.1619356	8.950297 up	<i>CCDC26</i>	137196 chr8:130363987-130382623 (-) // 40.2 // q24.21
205768_s_at	8.87218	3.1492887	8.87218 up	<i>SLC27A2</i>	11001 chr15:50474421-50528570 (+) // 99.11 // q21.2
235343_at	8.671251	3.1162403	8.671251 up	<i>VASH2</i>	79805 chr1:213164456-213164925 (+) // 97.71 // q32.3
1559394_a_at	8.563926	3.0982723	8.563926 up		chr1:64377384-64377813 (+) // 43.88 // p31.3
236854_at	8.552122	3.0962825	8.552122 up	<i>LINC00494</i>	284749 chr20:46998720-46999381 (+) // 26.76 // q13.13
216120_s_at	8.529381	3.092441	8.529381 up	<i>ATP2B2</i>	491 chr3:10369785-10491297 (-) // 98.08 // p25.3
223891_at	8.507499	3.088735	8.507499 up	<i>KCNQ5</i>	56479 chr6:73331808-73905303 (+) // 98.73 // q13
1553405_a_at	8.456387	3.0800414	8.456387 up	<i>CSMD1</i>	64478 chr8:2795620-4852223 (-) // 99.35 // p23.2
214645_at	8.409028	3.071939	8.409028 up		chr9:71599554-71601512 (+) // 30.62 // q21.11
213712_at	8.368686	3.065001	8.368686 up	<i>ELOVL2</i>	54898 chr6:10980994-10982303 (-) // 92.52 // p24.2
211925_s_at	8.151897	3.0271358	8.151897 up	<i>PLCB1</i>	23236 chr20:8128682-8862496 (+) // 99.53 // p12.3
204681_s_at	8.143196	3.0255952	8.143196 up	<i>RAPGEF5</i>	9771 chr7:22157921-22233334 (-) // 94.41 // p15.3
205780_at	8.134628	3.0240765	8.134628 up	<i>BIK</i>	638 chr22:43519630-43525717 (+) // 68.15 // q13.2
243727_at	7.8837504	2.978882	7.8837504 up	<i>CPNE8</i>	144402 chr12:39047710-39079496 (-) // 95.86 // q12
1569122_at	7.826958	2.9684517	7.826958 up	<i>LOC105370697</i>	105370697 chr14:105998191-106000652 (+) // 82.33 // q32.33
210349_at	7.7301874	2.9505033	7.7301874 up	<i>CAMK4</i>	814 chr5:110559647-110820283 (+) // 98.29 // q22.1
242826_at	7.6759725	2.9403496	7.6759725 up		chr2:89159878-89160419 (-) // 99.45 // p11.2
237625_s_at	7.6732545	2.9398386	7.6732545 up		285766 chr6:181465-205484 (-) // 81.22 // p25.3
1564253_at	7.6255856	2.9308481	7.6255856 up	<i>LOC285766</i>	9734 chr7:18535368-19036398 (+) // 96.51 // p21.1
1552758_at	7.569525	2.9202027	7.569525 up	<i>HDAC9</i>	144402 chr12:39046006-39047351 (-) // 98.68 // q12
228365_at	7.4612045	2.8994086	7.4612045 up	<i>CPNE8</i>	586 chr12:24967603-24970594 (-) // 81.74 // p12.1
226517_at	7.401474	2.8878126	7.401474 up	<i>BCAT1</i>	3932 chr1:32716931-32751761 (+) // 92.03 // p35.1
204891_s_at	7.3101583	2.8699026	7.3101583 up	<i>LCK</i>	1075 chr11:88053980-88054560 (-) // 24.51 // q14.2
231234_at	7.3095107	2.8697748	7.3095107 up	<i>CTSC</i>	29968 chr9:80912058-80945007 (+) // 97.98 // q21.2
223062_s_at	7.2477775	2.8575387	7.2477775 up	<i>PSAT1</i>	9734 chr7:18993768-19035803 (+) // 100.0 // p21.1
234393_at	7.2469993	2.8573837	7.2469993 up	<i>HDAC9</i>	100507043 chr14:96342728-96391900 (+) // 80.59 // q32.2
232111_at	7.2004323	2.8480835	7.2004323 up	<i>TUNAR</i>	586 chr12:24970555-25102096 (-) // 99.83 // p12.1
214452_at	7.1380267	2.8355253	7.1380267 up	<i>BCAT1</i>	

220911_s_at	7.0562797	2.8189077	7.0562797 up	<i>NYNRIN</i>	57523 chr14:24868204-24888488 (+) // 91.57 // q12
225285_at	7.055046	2.8186555	7.055046 up	<i>BCAT1</i>	586 chr12:24964296-24967742 (-) // 98.08 // p12.1
213222_at	7.0251293	2.8125248	7.0251293 up	<i>PLCB1</i>	23236 chr20:8113295-8865547 (+) // 98.51 // p12.3
235246_at	7.0162306	2.8106961	7.0162306 up	<i>WDR86</i>	349136 chr7:151080999-151082001 (-) // 49.75 // q36.1
216028_at	6.837785	2.773529	6.837785 up		
203998_s_at	6.758773	2.7567613	6.758773 up	<i>SYT1</i>	6857 chr12:79258566-79845782 (+) // 96.51 // q21.2
227846_at	6.6427417	2.7317789	6.6427417 up	<i>GPR176</i>	11245 chr15:40091222-40092816 (-) // 97.81 // q14
219737_s_at	6.594854	2.7213407	6.594854 up	<i>PCDH9</i>	5101 chr13:66876970-67802690 (-) // 97.01 // q21.32
214829_at	6.546669	2.710761	6.546669 up	<i>AASS</i>	10157 chr7:121715556-121726207 (-) // 82.83 // q31.32
205632_s_at	6.516329	2.7040594	6.516329 up	<i>PIP5K1B</i>	8395 chr9:71320615-71624091 (+) // 94.07 // q21.11
1559167_x_at	6.479721	2.6959317	6.479721 up	<i>MPV17L</i>	255027 chr16:15489610-16099412 (+) // 50.38 // p13.11
220567_at	6.4695654	2.6936688	6.4695654 up	<i>IKZF2</i>	22807 chr2:213871343-214015058 (-) // 98.84 // q34
239567_at	6.4467525	2.6885726	6.4467525 up		chr4:148676845-148677300 (+) // 60.03 // q31.23
228384_s_at	6.4017935	2.678476	6.4017935 up	<i>PYROXD2</i>	84795 chr10:100143321-100152732 (-) // 88.53 // q24.2
					chr15:82973443-82976258 (+) // 76.59 //
					q25.2//chr15:82763617-82766434 (-) // 76.66 //
223327_x_at	6.394957	2.6769347	6.394957 up	<i>GOLGA2P10</i>	80154 q25.2//chr15:83140203-83143018 (-) // 76.63 //
					q25.2//chr15:85746679-85749517 (-) // 76.08 //
					q25.3//chr15:84867602-84870440 (-) // 78.97 // q25.2
1569956_at	6.3541374	2.6676962	6.3541374 up	<i>MYLK</i>	4638 chr3:123329583-123330850 (-) // 57.29 // q21.1
230186_at	6.2391195	2.6413424	6.2391195 up	<i>TMEM136</i>	219902 chr11:120196036-120201348 (+) // 99.43 // q23.3
213484_at	6.229506	2.6391177	6.229506 up	<i>ADD2</i>	119 chr2:70883921-70886228 (-) // 87.37 // p13.3
226325_at	6.2043805	2.6332872	6.2043805 up	<i>ADSSLI</i>	122622 chr14:105205698-105213647 (+) // 95.77 // q32.33
210852_s_at	6.180136	2.6276386	6.180136 up	<i>AASS</i>	10157 chr7:121716295-121784268 (-) // 99.97 // q31.32
204890_s_at	6.138958	2.6179938	6.138958 up	<i>LCK</i>	3932 chr1:32739806-32751342 (+) // 99.18 // p35.1
204129_at	6.118253	2.6131198	6.118253 up	<i>BCL9</i>	607 chr1:147013181-147098012 (+) // 99.22 // q21.2
239530_at	6.1162424	2.6126456	6.1162424 up	<i>ADD2</i>	119 chr2:70887284-70888216 (-) // 54.54 // p13.3
202555_s_at	6.088439	2.6060724	6.088439 up	<i>MYLK</i>	4638 chr3:123332891-123420361 (-) // 98.51 // q21.1
217477_at	6.0782986	2.6036675	6.0782986 up	<i>PIP5K1B</i>	8395 chr9:71503910-71624091 (-) // 100.0 // q21.11
239752_at	6.074161	2.6026852	6.074161 up	<i>CECR2</i>	27443 chr22:18037369-18037852 (+) // 91.32 // q11.21
1554076_s_at	6.0432186	2.5953171	6.0432186 up	<i>TMEM136</i>	219902 chr11:120196015-120201347 (+) // 95.99 // q23.3
214390_s_at	5.9633884	2.5761323	5.9633884 up	<i>BCAT1</i>	586 chr12:24989380-25101983 (-) // 99.59 // p12.1
225688_s_at	5.889521	2.5581503	5.889521 up	<i>PHLDB2</i>	90102 chr3:111667804-111695136 (+) // 95.89 // q13.2
239832_at	5.8893933	2.558119	5.8893933 up		chr9:71558088-71558577 (+) // 98.57 // q21.11
206310_at	5.884855	2.5570068	5.884855 up	<i>SPINK2</i>	6691 chr4:57676033-57687893 (-) // 98.15 // q12
234799_at	5.827146	2.5427895	5.827146 up	<i>ADARB1</i>	104 chr21:46564911-46567120 (+) // 75.17 // q22.3
231399_at	5.776971	2.5303133	5.776971 up	<i>RAB3IP</i>	117177 chr12:70216365-70216982 (+) // 26.25 // q15
219752_at	5.7579293	2.5255501	5.7579293 up	<i>RASAL1</i>	8437 chr12:113537317-113574021 (-) // 99.14 // q24.13
219740_at	5.715286	2.5148256	5.715286 up	<i>VASH2</i>	79805 chr1:213123935-213163404 (+) // 98.67 // q32.3
244805_at	5.6906805	2.5086012	5.6906805 up		chr7:51090282-51090981 (-) // 78.54 // p12.1
223475_at	5.6821966	2.5064487	5.6821966 up		chr8:75897111-75945532 (+) // 100.0 // q21.11
230671_at	5.6629734	2.5015597	5.6629734 up	<i>CRISPLD1</i>	chr5:195892-196458 (+) // 98.77 // p15.33
212592_at	5.631118	2.4934213	5.631118 up	<i>JCHAIN</i>	3512 chr4:71521258-71532344 (-) // 95.36 // q13.3
202893_at	5.6304803	2.493258	5.6304803 up	<i>UNC13B</i>	10497 chr9:35162058-35405331 (+) // 99.34 // p13.3
229838_at	5.602483	2.4860663	5.602483 up	<i>LOC105376575//NU CB2</i>	4925//105376575 chr11:17370980-17371527 (+) // 43.25 // p15.1
231929_at	5.592879	2.483591	5.592879 up	<i>IKZF2</i>	22807 chr2:213864421-213867171 (-) // 90.3 // q34
224823_at	5.5925083	2.4834955	5.5925083 up	<i>MYLK</i>	4638 chr3:123331083-123332990 (-) // 95.45 // q21.1
233695_s_at	5.583748	2.4812338	5.583748 up	<i>CECR2</i>	27443 chr22:18003141-18033015 (+) // 99.21 // q11.21
239092_at	5.560156	2.4751253	5.560156 up	<i>ITGA8</i>	8516 chr10:15638513-15646269 (-) // 88.85 // p13
1555060_a_at	5.543518	2.4708018	5.543518 up	<i>IKZF2</i>	22807 chr2:213871896-214016333 (-) // 98.27 // q34
214781_at	5.51694	2.4638684	5.51694 up	<i>SHANKI</i>	50944 chr3:126748885-126753574 (+) // 72.81 // q21.3
203263_s_at	5.5114937	2.4624434	5.5114937 up	<i>ARHGEF9</i>	23229 chrX:62854847-62974993 (-) // 97.44 // q11.1
226889_at	5.423557	2.4392393	5.423557 up	<i>WDR35</i>	57539 chr2:20110023-20160359 (-) // 99.23 // p24.1
209602_s_at	5.3416104	2.4172747	5.3416104 up	<i>GATA3</i>	2625 chr10:8096669-8117213 (+) // 95.62 // p14
235372_at	5.3345637	2.4153702	5.3345637 up	<i>FCRLA</i>	84824 chr1:161683165-161684141 (+) // 42.96 // q23.3
205406_s_at	5.323299	2.4123206	5.323299 up	<i>SPA17</i>	53340 chr11:124543779-124564685 (+) // 38.49 // q24.2

205833_s_at	5.268835	2.397484	5.268835 up	<i>PART1</i>
238933_at	5.2221136	2.3846338	5.2221136 up	<i>IRS1</i>
225019_at	5.2181797	2.3835466	5.2181797 up	<i>CAMK2D</i>
224027_at	5.18089	2.3732	5.18089 up	<i>CCL28</i>
226364_at	5.14761	2.3639028	5.14761 up	<i>HIP1</i>
1566081_at	5.135026	2.3603716	5.135026 up	<i>DLEU7</i>
202780_at	5.1070476	2.3524895	5.1070476 up	<i>OXCT1</i>
219840_s_at	5.104381	2.351736	5.104381 up	<i>TC16</i>
226890_at	5.079574	2.3447075	5.079574 up	<i>WDR35</i>
205229_s_at	5.0762415	2.3437607	5.0762415 up	<i>COCH</i>
238733_at	5.002162	2.3225517	5.002162 up	<i>MDM2</i>
1557174_a_at	4.988214	2.3185234	4.988214 up	<i>IRAK1BP1</i>
215574_at	4.9774885	2.315418	4.9774885 up	
206615_s_at	4.9579554	2.3097453	4.9579554 up	<i>ADAM22</i>
223729_at	4.9324503	2.3023045	4.9324503 up	<i>CECR2</i>
232544_at	4.916424	2.2976093	4.916424 up	
229589_x_at	4.9080405	2.2951472	4.9080405 up	<i>BIYM</i>
216987_at	4.893279	2.2908015	4.893279 up	<i>IRF4</i>
230951_at	4.868191	2.2833858	4.868191 up	<i>EPB41L5</i>
234985_at	4.8315177	2.2724764	4.8315177 up	<i>LDLRAD3</i>
220602_s_at	4.814616	2.2674208	4.814616 up	<i>GOLGA2P10//GOLG</i>
				<i>A2P7//LOC10272413 80154//388152//72</i>
				<i>5//LOC727751</i>
202786_at	4.779987	2.2570066	4.779987 up	<i>STK39</i>
202796_at	4.7706094	2.2541735	4.7706094 up	<i>SYNPO</i>
236328_at	4.7618403	2.2515192	4.7618403 up	<i>ZNF285</i>
241706_at	4.7449956	2.2464068	4.7449956 up	<i>CPNE8</i>
203517_at	4.6783686	2.2260056	4.6783686 up	<i>MTX2</i>
224022_x_at	4.667913	2.2227776	4.667913 up	<i>WNT16</i>
1557534_at	4.61409	2.206046	4.61409 up	<i>LOC339862</i>
238858_at	4.6015854	2.202131	4.6015854 up	<i>TIFA</i>
220892_s_at	4.60125	2.202026	4.60125 up	<i>PSAT1</i>
1553645_at	4.592265	2.1992059	4.592265 up	<i>CCDC141</i>
244261_at	4.5909023	2.1987777	4.5909023 up	<i>IFNLR1</i>
205268_s_at	4.5827436	2.1962116	4.5827436 up	<i>ADD2</i>
212686_at	4.5759454	2.1940699	4.5759454 up	<i>PPM1H</i>
242771_at	4.5739837	2.1934512	4.5739837 up	<i>TTN</i>
225619_at	4.5660195	2.190937	4.5660195 up	<i>SLAIN1</i>
205426_s_at	4.5586414	2.1886039	4.5586414 up	<i>HIP1</i>
235971_at	4.5561376	2.1878114	4.5561376 up	<i>TIFA</i>
235952_at	4.5556746	2.1876647	4.5556746 up	<i>DGKH</i>
218816_at	4.552164	2.1865525	4.552164 up	<i>LRRC1</i>
216517_at	4.5409446	2.1829925	4.5409446 up	<i>IGKVID-8</i>
240145_at	4.534812	2.1810427	4.534812 up	<i>DGKH</i>
217542_at	4.507343	2.1722772	4.507343 up	<i>MDM2</i>
241948_at	4.4955654	2.1685026	4.4955654 up	
215687_x_at	4.4822583	2.1642258	4.4822583 up	<i>PLCB1</i>
238526_at	4.474505	2.1617281	4.474505 up	<i>RAB31P</i>
240718_at	4.4618416	2.1576393	4.4618416 up	
229292_at	4.4574895	2.1562314	4.4574895 up	
238853_at	4.4263067	2.1461034	4.4263067 up	<i>EPB41L5</i>
230733_at	4.4178762	2.143353	4.4178762 up	<i>RAB31P</i>
223750_s_at	4.4161077	2.1427753	4.4161077 up	<i>TLR10</i>

25859	chr5:59783758-59787091 (+) // 99.34 // q12.1
3667	chr2:227656695-227657564 (-) // 95.98 // q36.3
817	chr4:114373569-114683202 (-) // 88.24 // q26
56477	chr5:43376757-43412472 (-) // 41.44 // p12
3092	chr7:75162620-75163920 (-) // 83.01 // q11.23
220107	chr13:51285143-51289621 (-) // 42.28 // q14.3
5019	chr5:41730168-41870558 (-) // 99.31 // p13.1
27004	chr14:96131198-96135702 (+) // 77.11 // q32.13
57539	chr2:20110023-20160359 (-) // 99.23 // p24.1
1690	chr14:31343729-31359822 (+) // 99.07 // q12
4193	chr12:69244012-69244725 (+) // 65.38 // q15
134728	chr6:79608328-79610965 (+) // 50.38 // q14.1
	chr11:79134602-79136342 (-) // 37.59 // q14.1
53616	chr7:87563734-87826447 (+) // 97.93 // q21.12
27443	chr22:17956627-18033845 (+) // 89.28 // q11.21
	chr4:57966254-57969648 (-) // 60.18 // q12
54841	chr13:103493722-103493883 (-) // 58.97 // q33.1
3662	chr6:391767-407616 (+) // 99.94 // p25.3
57669	chr2:120864031-120864491 (+) // 97.87 // q14.2
143458	chr11:36251772-36253697 (+) // 93.97 // p13
	chr15:82944960-82975797 (+) // 95.25 //
	q25.2//chr15:82764078-82798184 (-) // 95.72 //
	q25.2//chr15:83140664-83182762 (-) // 95.29 //
	q25.2//chr15:84868063-84898722 (-) // 97.68 //
	q25.2//chr15:85747140-85777828 (-) // 94.5 // q25.3
27347	chr2:168810530-169104105 (-) // 94.99 // q24.3
11346	chr5:150020252-150038769 (+) // 92.22 // q33.1
26974	chr19:44889801-44890288 (-) // 53.69 // q13.31
144402	chr12:39120160-39299420 (-) // 99.11 // q12
10651	chr2:177134156-177202662 (+) // 99.45 // q31.1
51384	chr7:120969089-120981157 (+) // 98.56 // q31.31
339862	chr3:18308508-18310408 (+) // 80.54 // p24.3
92610	chr4:113196445-113197439 (-) // 73.63 // q25
	chr9:80912093-80944059 (+) // 99.81 //
29968	q21.2//chr1:79520572-79521773 (-) // 95.68 // p31.1
285025	chr2:179697304-179710470 (-) // 92.79 // q31.2
163702	chr1:24480646-24481111 (-) // 86.54 // p36.11
	119 chr2:70889264-70995329 (-) // 95.74 // p13.3
57460	chr12:63037767-63226046 (-) // 99.05 // q14.1
7273	chr2:179497944-179498463 (+) // 98.27 // q31.2
122060	chr13:78272469-78338366 (+) // 96.33 // q22.3
3092	chr7:75165774-75228560 (-) // 99.77 // q11.23
92610	chr4:113195694-113196576 (-) // 78.78 // q25
160851	chr13:42809095-42809674 (+) // 98.8 // q14.11
55227	chr6:53660074-53788656 (+) // 99.85 // p12.1
	chr2:90259773-90260299 (+) // 100.0 //
28904	p11.2//chr2:89291876-89292403 (-) // 96.02 // p11.2
160851	chr13:42807647-42808080 (+) // 97.52 // q14.11
4193	chr12:69238755-69239321 (+) // 77.06 // q15
	chr9:71556903-71557640 (+) // 95.13 // q21.11
23236	chr20:8113295-8862701 (+) // 99.87 // p12.3
117177	chr12:70210358-70211237 (+) // 75.54 // q15
	chr12:25255751-25256226 (+) // 42.26 // p12.1
57669	chr2:120862124-120862688 (+) // 93.23 // q14.2
117177	chr12:70213715-70214333 (+) // 40.33 // q15
	chr18:3250305-3251198 (+) // 75.84 // p11.31
81793	chr4:38774658-38784579 (-) // 95.26 // p14

232950_s_at	4.412079	2.1414585	4.412079	up	<i>PITPNM2</i>	57605	chr12:123468027-123485692 (-) // 98.79 // q24.31
228066_at	4.382987	2.1319144	4.382987	up	<i>CI7orf96</i>	100170841	chr17:36827955-36829184 (-) // 95.76 // q12
225389_at	4.333714	2.115604	4.333714	up	<i>BTBD6</i>	90135	chr14:105715711-105717430 (+) // 97.72 // q32.33
231042_s_at	4.3255777	2.1128929	4.3255777	up			chr4:114374777-114375242 (+) // 76.14 // q26
1557098_s_at	4.3142548	2.1091113	4.3142548	up	<i>HAR1A</i>	768096	chr20:61733559-61735737 (+) // 89.14 // q13.33
224818_at	4.3099546	2.1076727	4.3099546	up	<i>SORT1</i>	6272	chr1:109852192-109855236 (-) // 93.5 // p13.3
1557222_at	4.285299	2.0993958	4.285299	up			chr7:153431108-153432042 (+) // 11.16 // q36.2
228232_s_at	4.252078	2.0881681	4.252078	up	<i>VSIG2</i>	23584	chr11:124617367-124621476 (-) // 92.22 // q24.2
212946_at	4.251882	2.0881016	4.251882	up	<i>VWA8</i>	23078	chr13:42140963-42442607 (-) // 98.81 // q14.11
240463_at	4.2020807	2.0711038	4.2020807	up			chr10:123990123-123990568 (+) // 38.7 // q26.13
235099_at	4.1970806	2.0693862	4.1970806	up	<i>CMTM8</i>	152189	chr3:32398903-32411811 (+) // 98.85 // p22.3
213358_at	4.1353183	2.0479984	4.1353183	up	<i>MTCL1</i>	23255	chr18:8783685-8832776 (+) // 96.73 // p11.22
240915_at	4.131978	2.0468326	4.131978	up	<i>IGHV1-69</i>	28461	chr14:107169512-107169902 (-) // 57.36 // q32.33
218942_at	4.1291227	2.0458353	4.1291227	up	<i>PIP4K2C</i>	79837	chr12:57992924-57997198 (+) // 96.88 // q13.3
209822_s_at	4.1063776	2.0378664	4.1063776	up	<i>VLDLR</i>	7436	chr9:2622079-2654463 (+) // 98.14 // p24.2
219564_at	4.1057897	2.0376596	4.1057897	up	<i>KCNJ16</i>	3773	chr17:68071425-68131744 (+) // 94.83 // q24.3
205425_at	4.102286	2.036428	4.102286	up	<i>HIP1</i>	3092	chr7:75163857-75228560 (-) // 86.45 // q11.23
231793_s_at	4.0818143	2.0292106	4.0818143	up	<i>CAMK2D</i>	817	chr4:114375269-114682224 (-) // 99.84 // q26
219109_at	4.0760407	2.0271685	4.0760407	up	<i>SPAG16</i>	79582	chr2:214149142-214182689 (+) // 82.47 // q34
214265_at	4.051421	2.018428	4.051421	up	<i>ITGA8</i>	8516	chr10:15559087-15761656 (-) // 98.57 // p13
232821_at	4.0356607	2.012805	4.0356607	up	<i>GTSF1L</i>	149699	chr20:42354803-42355334 (-) // 87.43 // q13.12
210868_s_at	4.0339346	2.0121877	4.0339346	up	<i>ELOVL6</i>	79071	chr4:110970683-111119758 (-) // 97.91 // q25
226109_at	4.0235624	2.0084734	4.0235624	up	<i>C21orf91</i>	54149	chr21:19161290-19191703 (-) // 97.02 // q21.1
1558368_s_at	4.0208373	2.0074959	4.0208373	up	<i>DRAXIN</i>	374946	chr1:11751780-11786209 (+) // 76.21 // p36.22
222761_at	4.018046	2.006494	4.018046	up	<i>BIVM</i>	54841	chr13:103451504-103494222 (+) // 91.27 // q33.1
220389_at	3.9966562	1.9987935	3.9966562	up	<i>CCDC81</i>	60494	chr11:86106223-86134150 (+) // 96.16 // q14.2
228555_at	3.9948442	1.9981393	3.9948442	up	<i>CAMK2D</i>	817	chr4:114372189-114373421 (-) // 43.5 // q26
201889_at	3.9461508	1.9804461	3.9461508	up	<i>FAM3C</i>	10447	chrX:23093707-23096495 (+) // 98.87 // p22.11//chr7:120988906-121036341 (-) // 97.54 // q31.31
204674_at	3.937351	1.9772253	3.937351	up	<i>LRMP</i>	4033	chr12:25205632-25261169 (+) // 95.66 // p12.1
1552947_x_at	3.922159	1.971648	3.922159	up	<i>ZNF114</i>	163071	chr19:48774653-48790863 (+) // 86.58 // q13.33
224994_at	3.8934557	1.9610512	3.8934557	up	<i>CAMK2D</i>	817	chr4:114373569-114683202 (-) // 88.24 // q26
242586_at	3.8664353	1.951004	3.8664353	up	<i>FSD1L</i>	83856	chr9:108312267-108313193 (+) // 76.83 // q31.2
201518_at	3.8505194	1.9450531	3.8505194	up	<i>CBX1</i>	10951	chr17:46147422-46178800 (-) // 97.16 // q21.32
206096_at	3.8364625	1.9397767	3.8364625	up	<i>ZNF35</i>	7584	chr3:44690270-44702275 (+) // 98.55 // p21.31
216986_s_at	3.8318172	1.9380287	3.8318172	up	<i>IRF4</i>	3662	chr6:391767-407616 (+) // 99.94 // p25.3
242452_at	3.830927	1.9376935	3.830927	up			chr7:151086220-151086625 (-) // 60.25 // q36.1
225855_at	3.8272433	1.9363056	3.8272433	up	<i>EPB41L5</i>	57669	chr2:120834601-120936695 (+) // 97.71 // q14.2
35974_at	3.8260548	1.9358575	3.8260548	up	<i>LRMP</i>	4033	chr12:25205632-25261267 (+) // 82.58 // p12.1
242414_at	3.8229263	1.9346774	3.8229263	up	<i>QPRT</i>	23475	chr16:29709255-29710020 (+) // 28.84 // p11.2
202946_s_at	3.8064435	1.9284437	3.8064435	up	<i>BTBD3</i>	22903	chr20:11898564-11907242 (+) // 99.34 // p12.2
238599_at	3.8029945	1.9271358	3.8029945	up	<i>IRAK1BP1</i>	134728	chr6:79595092-79608302 (+) // 84.71 // q14.1
230896_at	3.7681015	1.9138378	3.7681015	up	<i>BEND4</i>	389206	chr4:42112869-42113898 (-) // 99.81 // p13
203557_s_at	3.7641048	1.9123068	3.7641048	up	<i>PCBD1</i>	5092	chr10:72643417-72645687 (-) // 96.47 // q22.1
238750_at	3.7411158	1.9034686	3.7411158	up	<i>CCL28</i>	56477	chr5:43379298-43380180 (-) // 51.68 // p12
201403_s_at	3.7333338	1.9004645	3.7333338	up	<i>MGST3</i>	4259	chr1:165619074-165624857 (+) // 89.98 // q24.1
211379_x_at	3.731468	1.8997433	3.731468	up	<i>B3GALNT1</i>	8706	chr3:160802783-160804650 (-) // 93.62 // q26.1
1552696_at	3.7304087	1.8993337	3.7304087	up	<i>NIPAI</i>	123606	chr15:23048315-23086436 (-) // 89.16 // q11.2
1559827_at	3.728624	1.8986434	3.728624	up	<i>LINC00960</i>	401074	chr3:75721432-75722390 (+) // 33.33 // p12.3
1569225_a_at	3.724488	1.8970422	3.724488	up	<i>SCML4</i>	256380	chr6:108025874-108053600 (-) // 94.28 // q21
237775_x_at	3.6989448	1.8871138	3.6989448	up			chr2:179594882-179595242 (+) // 87.69 // q31.2
220643_s_at	3.6937695	1.8850938	3.6937695	up	<i>FAIM</i>	55179	chr3:138327918-138352211 (+) // 99.89 // q22.3
202478_at	3.6916296	1.8842578	3.6916296	up	<i>TRIB2</i>	28951	chr2:12857207-12882856 (+) // 99.24 // p24.3
229233_at	3.6757853	1.8780525	3.6757853	up	<i>NRG3</i>	10718	chr10:84745112-84746933 (+) // 96.89 // q23.1
1552923_a_at	3.6543884	1.86963	3.6543884	up	<i>PITPNM2</i>	57605	chr12:123468980-123519201 (-) // 98.02 // q24.31
1564129_a_at	3.6522133	1.8687711	3.6522133	up	<i>QPRT</i>	23475	chr16:29707117-29709316 (-) // 43.94 // p11.2
203264_s_at	3.6521895	1.8687617	3.6521895	up	<i>ARHGXF9</i>	23229	chrX:62854847-62974993 (-) // 97.65 // q11.1



204256_at	3.6274173	1.8589427	3.6274173 up	<i>ELOVL6</i>	79071 chr4:110970542-111119771 (-) // 98.56 // q25
224240_s at	3.6231682	1.8572518	3.6231682 up	<i>CCL28</i>	56477 chr5:43381900-43412470 (-) // 64.71 // p12
233198_at	3.6143668	1.853743	3.6143668 up	<i>GOLGA2P5</i>	55592 chr12:100557089-100558238 (-) // 35.82 // q23.1
210473_s at	3.6097326	1.851892	3.6097326 up	<i>ADGRA3</i>	166647 chr4:22389006-22403181 (-) // 49.47 // p15.2
225646_at	3.6038215	1.8495276	3.6038215 up	<i>CTSC</i>	1075 chr11:88059253-88070910 (-) // 94.86 // q14.2
223735_at	3.5782223	1.839243	3.5782223 up	<i>ARL6</i>	84100 chr3:97486937-97517008 (+) // 96.23 // q11.2
206660_at	3.5747383	1.8378376	3.5747383 up	<i>IGLL1</i>	3543 chr22:23915363-23922495 (-) // 99.88 // q11.23
238154_at	3.5558395	1.8301902	3.5558395 up	<i>CEP70</i>	80321 chr3:138215751-138216171 (-) // 91.52 // q22.3
213238_at	3.5525053	1.8288368	3.5525053 up	<i>ATP10D</i>	57205 chr4:47560039-47595435 (+) // 95.25 // p12
226117_at	3.5264907	1.8182333	3.5264907 up	<i>TIFA</i>	92610 chr4:113197631-113207090 (-) // 96.63 // q25
217246_s_at	3.5222783	1.8165089	3.5222783 up	<i>DIAPH2</i>	1730
221125_s_at	3.5094974	1.8112644	3.5094974 up	<i>KCNMB3</i>	27094 chr3:178960555-178968832 (-) // 99.32 // q26.32
204682_at	3.507666	1.8105115	3.507666 up	<i>LTBP2</i>	4053 chr14:74966457-75079034 (-) // 99.49 // q24.3
201334_s at	3.502594	1.8084238	3.502594 up	<i>ARHGEF12</i>	23365 chr11:120276823-120360645 (+) // 97.31 // q23.3
205726_at	3.4994285	1.8071194	3.4994285 up	<i>DIAPH2</i>	1730 chrX:95939710-96859992 (+) // 70.9 // q21.33
217869_at	3.4975626	1.8063499	3.4975626 up	<i>HSD17B12</i>	51144 chr11:43702304-43878168 (+) // 88.63 // p11.2
203763_at	3.4851873	1.8012362	3.4851873 up	<i>DYNC2LI1</i>	51626 chr2:44001215-44037147 (+) // 99.19 // p21
209603_at	3.4751775	1.7970867	3.4751775 up	<i>GATA3</i>	2625 chr10:8096669-8117213 (+) // 95.62 // p14
225160_x at	3.4582546	1.7900441	3.4582546 up	<i>MDM2</i>	4193 chr12:69234746-69238051 (+) // 84.47 // q15
204044_at	3.4466138	1.7851796	3.4466138 up	<i>LOC105369247//QP</i>	23475//105369247 chr16:29690474-29708956 (+) // 85.36 // p11.2
234541_s_at	3.437171	1.7812216	3.437171 up	<i>RT</i>	
216218_s_at	3.4337115	1.7797688	3.4337115 up	<i>ARHGEF12</i>	23365 chr11:120300113-120301227 (-) // 66.58 // q23.3
236513_at	3.4205456	1.7742264	3.4205456 up	<i>PLCL2</i>	23228 chr3:17051985-17123038 (+) // 99.88 // p24.3
212807_s_at	3.4078224	1.7688501	3.4078224 up	<i>PRELID2</i>	153768 chr5:145135907-145136310 (-) // 58.29 // q32
202479_s at	3.4009624	1.765943	3.4009624 up	<i>SORT1</i>	6272 chr1:109855074-109940551 (-) // 99.47 // p13.3
233255_s_at	3.3971283	1.7643157	3.3971283 up	<i>TRIB2</i>	28951 chr2:12857947-12881530 (+) // 98.7 // p24.3
212845_at	3.3962698	1.7639511	3.3962698 up	<i>BIYM</i>	54841 chr13:103472736-103492498 (+) // 92.22 // q33.1
214231_s at	3.3901649	1.7613554	3.3901649 up	<i>SAMD4A</i>	23034 chr14:55168860-55260030 (+) // 97.07 // q22.2
205385_at	3.3805585	1.7572616	3.3805585 up	<i>VWA8</i>	23078 chr13:42293474-42306285 (-) // 97.78 // q14.11
209604_s at	3.3749108	1.7548494	3.3749108 up	<i>MDM2</i>	4193 chr12:69201967-69234214 (-) // 87.1 // q15
229029_at	3.3683054	1.752023	3.3683054 up	<i>GATA3</i>	2625 chr10:8096772-8116487 (+) // 96.76 // p14
220941_s_at	3.3639896	1.7501732	3.3639896 up	<i>CAMK4</i>	814 chr5:110829958-110830580 (+) // 97.65 // q22.1
225752_at	3.3622246	1.7494161	3.3622246 up	<i>C21orf91</i>	54149 chr21:19165564-19191656 (-) // 99.81 // q21.1
236270_at	3.34168	1.7405736	3.34168 up	<i>NIPAI</i>	123606 chr15:23043278-23046097 (-) // 92.96 // q11.2
208923_at	3.3368454	1.7384849	3.3368454 up	<i>NFATC4</i>	4776 chr14:24848008-24848805 (+) // 70.58 // q12
213419_at	3.335132	1.7377439	3.335132 up	<i>CYFIP1</i>	23191 chr15:22892735-23003602 (+) // 99.54 // q11.2
204562_at	3.3315048	1.736174	3.3315048 up	<i>APBB2</i>	323 chr4:40816613-41016240 (-) // 94.26 // p14
229715_at	3.2866402	1.7166135	3.2866402 up	<i>IRF4</i>	3662 chr6:391759-411193 (+) // 94.65 // p25.3
236917_at	3.2853003	1.7160252	3.2853003 up	<i>NCR3LGI</i>	374383 chr11:17402681-17403207 (+) // 80.15 // p15.1
211715_s at	3.2852118	1.7159864	3.2852118 up	<i>LRRC34</i>	151827 chr3:169511266-169514584 (-) // 97.59 // q26.2
239033_at	3.2831447	1.7150784	3.2831447 up	<i>BDH1</i>	622 chr3:197238446-197282823 (-) // 90.28 // q29
1556472_s at	3.2689798	1.7088405	3.2689798 up		chr9:115391391-115392115 (+) // 98.1 // q32
233911_s_at	3.2505767	1.7006958	3.2505767 up	<i>SCML4</i>	256380 chr6:108025307-108145521 (-) // 99.58 // q21
232611_at	3.2173238	1.6858611	3.2173238 up	<i>PPM1H</i>	57460 chr12:63042213-63328930 (-) // 94.34 // q14.1
244306_at	3.21656	1.6855185	3.21656 up	<i>GOLGA2P5</i>	55592 chr12:100558829-100567087 (-) // 75.5 // q23.1
204120_s_at	3.2132602	1.6840378	3.2132602 up	<i>ADK</i>	132 chr10:75936443-76468781 (+) // 98.89 // q22.2
1559507_at	3.2075155	1.6814562	3.2075155 up	<i>LOC100130357</i>	100130357 chr6:13279526-13295818 (-) // 91.79 // p24.1
204029_at	3.2069752	1.6812133	3.2069752 up	<i>CELSR2</i>	1952 chr1:109792640-109818372 (+) // 98.95 // p13.3
1558378_a at	3.2053413	1.680478	3.2053413 up	<i>AHNAK2</i>	113146 chr14:105419850-105444660 (-) // 98.82 // q32.33
217218_at	3.2029002	1.6793789	3.2029002 up	<i>WAPL</i>	23063 chr10:88196766-88230820 (+) // 88.89 // q23.2
239657_x_at	3.1809866	1.6694744	3.1809866 up	<i>FOXO6</i>	100132074 chr1:41848960-41849262 (+) // 96.46 // p34.2
203762_s at	3.176341	1.6673658	3.176341 up	<i>DYNC2LI1</i>	51626 chr2:44001215-44037147 (+) // 99.19 // p21
205386_s_at	3.151769	1.6561618	3.151769 up	<i>MDM2</i>	4193 chr12:69201970-69234214 (+) // 87.73 // q15
1562550_at	3.1429558	1.652122	3.1429558 up		chr12:123506054-123508317 (-) // 78.39 // q24.31
212985_at	3.126588	1.6445892	3.126588 up	<i>APBB2</i>	323 chr4:40812044-40816814 (-) // 79.15 // p14
228266_s_at	3.1206145	1.6418302	3.1206145 up	<i>HDFGRP3</i>	50810 chr15:83820015-83876290 (-) // 97.7 // q25.2

209525_at	3.1204882	1.6417718	3.1204882 up	<i>HDGFRP3</i>	50810	chr15:83805573-83876321 (-) // 96.08 // q25.2
235068_at	3.1199808	1.6415372	3.1199808 up	<i>ZDHHC21</i>	340481	chr9:14615452-14617065 (-) // 99.44 // p22.3
1563494_at	3.1082072	1.6360826	3.1082072 up			chr10:83668583-83673960 (+) // 61.42 // q23.1
231150_at	3.106111	1.6351094	3.106111 up			chr18:9473420-9473892 (-) // 80.88 // p11.22
209526_s_at	3.1040792	1.6341654	3.1040792 up	<i>HDGFRP3</i>	50810	chr15:83807318-83876286 (-) // 99.3 // q25.2
212264_s_at	3.0958147	1.6303191	3.0958147 up	<i>WAPL</i>	23063	chr10:88195014-88281525 (-) // 98.76 // q23.2
1569110_x_at	3.0943153	1.6296202	3.0943153 up	<i>LOC728613</i>	728613	chr5:1628812-1634073 (-) // 67.34 // p15.33
213129_s_at	3.0890136	1.6271462	3.0890136 up	<i>GCSH</i>	2653	chr16:81115542-81129954 (-) // 98.49 // q23.2
226159_at	3.0846317	1.6250982	3.0846317 up	<i>C5orf51</i>	285636	chr5:41920458-41921737 (+) // 76.47 // p13.1
1558103_a_at	3.080024	1.6229416	3.080024 up	<i>HDGFRP3</i>	50810	chr15:83802877-83805687 (-) // 85.7 // q25.2
201562_s_at	3.065562	1.6161516	3.065562 up	<i>SORD</i>	6652	chr15:45315340-45366323 (+) // 99.94 // q21.1 // chr15:45118660-45154184 (-) // 97.12 // q21.1
224150_s_at	3.0612757	1.614133	3.0612757 up	<i>CEP70</i>	80321	chr3:138218774-138313079 (-) // 91.93 // q22.3
225202_at	3.0533023	1.6103704	3.0533023 up	<i>RHOBTB3</i>	22836	chr5:95130825-95132071 (+) // 91.89 // q15
203196_at	3.045234	1.6065531	3.045234 up	<i>ABCC4</i>	10257	chr13:95672089-95953683 (-) // 98.2 // q32.1
213133_s_at	3.0437164	1.605834	3.0437164 up	<i>GCSH</i>	2653	chr16:81115542-81129954 (-) // 98.49 // q23.2
39729_at	3.035063	1.6017265	3.035063 up	<i>PRDX2</i>	7001	chr19:12907636-12912662 (-) // 75.2 // p13.2
229283_at	3.0346172	1.6015146	3.0346172 up	<i>LOC728613</i>	728613	chr5:1599038-1599857 (-) // 96.05 // p15.33
226745_at	3.0313027	1.5999379	3.0313027 up	<i>CYP4V2//KLKB1</i>	3818//285440	chr4:187125447-187134266 (+) // 69.23 // q35.2
213243_at	3.014437	1.5918885	3.014437 up	<i>VPS13B</i>	157680	chr8:100779031-100889807 (+) // 93.7 // q22.2
210058_at	3.0069861	1.5883182	3.0069861 up	<i>MAPK13</i>	5603	chr6:36098318-36107827 (+) // 78.3 // p21.31
213309_at	2.9962778	1.5831714	2.9962778 up	<i>PLCL2</i>	23228	chr3:16926451-17132087 (+) // 97.28 // p24.3
240448_at	2.994278	1.5822082	2.994278 up			chr18:8821582-8821930 (+) // 82.34 // p11.22
226546_at	2.9743888	1.5725932	2.9743888 up	<i>LOC100506844</i>	100506844	chr12:58325231-58329950 (-) // 53.46 // q14.1
228941_at	2.9726439	1.5717466	2.9726439 up	<i>ALG10B</i>	144245	chr12:38722854-38723523 (+) // 95.54 // q12 // chr12:34187560-34188231 (+) // 94.39 // p11.1
226666_at	2.9723594	1.5716085	2.9723594 up	<i>DAAMI</i>	23002	chr14:59836486-59838261 (+) // 88.59 // q23.1
1555976_s_at	2.9685514	1.5697591	2.9685514 up	<i>MYL12A</i>	10627	chr18:3247609-3249923 (+) // 86.96 // p11.31
212503_s_at	2.9616528	1.5664026	2.9616528 up	<i>DIP2C</i>	22982	chr10:320129-465133 (-) // 98.63 // p15.3
200878_at	2.9556801	1.5634902	2.9556801 up	<i>EPAS1</i>	2034	chr2:46524581-46613836 (+) // 96.6 // p21
213725_x_at	2.9529788	1.562171	2.9529788 up	<i>XYLT1</i>	64131	chr16:17195756-17200121 (-) // 87.06 // p12.3
201163_s_at	2.946227	1.5588686	2.946227 up	<i>IGFBP7</i>	3490	chr4:57897245-57976539 (-) // 98.58 // q12
1554242_a_at	2.9446862	1.5581139	2.9446862 up	<i>COCH</i>	1690	chr14:31343733-31364264 (+) // 97.1 // q12
216060_s_at	2.9312844	1.551533	2.9312844 up	<i>DAAMI</i>	23002	chr14:59655436-59836471 (+) // 97.57 // q23.1
215030_at	2.9249187	1.5483965	2.9249187 up	<i>GRSF1</i>	2926	chr4:71682125-71684629 (-) // 40.57 // q13.3
1558217_at	2.9235513	1.5477219	2.9235513 up	<i>SLFN13</i>	146857	chr17:33766002-33774435 (-) // 75.62 // q12
244043_at	2.9152915	1.5436401	2.9152915 up	<i>TFDP2</i>	7029	chr3:141668665-141669736 (-) // 74.28 // q23
1554441_a_at	2.9012537	1.5366764	2.9012537 up	<i>WAPL</i>	23063	chr10:88197131-88281568 (-) // 99.45 // q23.2
1562572_at	2.9004457	1.5362746	2.9004457 up			chr9:71699896-71700953 (+) // 11.07 // q21.11
229205_at	2.8999872	1.5360465	2.8999872 up	<i>ZNF793-ASI</i>	101927720	chr19:37988068-37988494 (-) // 47.11 // q13.12
232267_at	2.8995538	1.5358309	2.8995538 up	<i>ADGRD1</i>	283383	chr12:131555397-131626010 (+) // 98.39 // q24.33
1553096_s_at	2.899524	1.5358161	2.899524 up	<i>BCL2L1</i>	10018	chr2:111881322-111921808 (+) // 100.0 // q13
36499_at	2.8850257	1.5285842	2.8850257 up	<i>CELSR2</i>	1952	chr1:109794571-109818373 (+) // 78.27 // p13.3
203566_s_at	2.8848636	1.5285031	2.8848636 up	<i>AGL</i>	178	chr1:100326765-100389576 (+) // 96.77 // p21.2
209485_s_at	2.8829837	1.5275626	2.8829837 up	<i>OSBPL1A</i>	114876	chr18:21739475-21852196 (-) // 98.89 // q11.2
243924_at	2.8816652	1.5269028	2.8816652 up	<i>LINC00665</i>	100506930	chr19:36803979-36813129 (-) // 78.58 // q13.12
208302_at	2.8813741	1.526757	2.8813741 up	<i>HMHB1</i>	57824	chr5:143191725-143200282 (+) // 84.38 // q31.3
226157_at	2.8806658	1.5264022	2.8806658 up	<i>TFDP2</i>	7029	chr3:141663269-141666288 (-) // 77.27 // q23
211832_s_at	2.873458	1.5227879	2.873458 up	<i>MDM2</i>	4193	chr12:69203006-69233629 (+) // 100.0 // q15
227908_at	2.863731	1.5178959	2.863731 up	<i>TBC1D24</i>	57465	chr16:2554707-2555733 (+) // 84.64 // p13.3
204119_s_at	2.857542	1.5147747	2.857542 up	<i>ADK</i>	132	chr10:75936537-76468241 (+) // 99.66 // q22.2
244602_at	2.832441	1.502046	2.832441 up			chr12:27948648-27949215 (-) // 97.73 // p11.22
1553423_a_at	2.8114643	1.4913217	2.8114643 up	<i>SLFN13</i>	146857	chr17:33766493-33775783 (-) // 78.16 // q12
230224_at	2.8097315	1.4904323	2.8097315 up	<i>ZCCHC18</i>	644353	chrX:103359964-103360533 (+) // 52.02 // q22.2
205295_at	2.7976148	1.4841974	2.7976148 up	<i>CKMT2</i>	1160	chr5:80539858-80562216 (+) // 99.06 // q14.1
218826_at	2.7785888	1.4743524	2.7785888 up	<i>SLC35F2</i>	54733	chr11:107661719-107729511 (-) // 84.73 // q22.3
1555122_at	2.749832	1.4593434	2.749832 up	<i>ADGRA3</i>	166647	chr4:22415816-22444758 (-) // 97.33 // p15.2

226694_at	2.749068	1.4589427	2.749068 up	<i>AKAP2</i> /// <i>PALM2-AKAP2</i>	11217///445815	chr9:112934085-112934792 (+) // 86.35 // q31.3
217373_x_at	2.7396946	1.4540151	2.7396946 up	<i>MDM2</i>	4193	chr12:69202991-69233629 (+) // 100.0 // q15
231902_at	2.7363605	1.4522583	2.7363605 up	<i>ZNF827</i>	152485	chr4:146679986-146681372 (-) // 96.4 // q31.21
1557994_at	2.733201	1.4505916	2.733201 up	<i>TTN</i>	7273	chr2:179544620-179570084 (-) // 94.29 // q31.2
204019_s_at	2.7263052	1.4469471	2.7263052 up	<i>SH3YL1</i>	26751	chr2:218154-253121 (-) // 84.11 // p25.3
202289_s_at	2.7239046	1.4456762	2.7239046 up	<i>TACC2</i>	10579	chr10:123923358-124014053 (+) // 98.59 // q26.13
212267_at	2.7214527	1.444377	2.7214527 up	<i>WAPL</i>	23063	chr10:88195014-88281525 (-) // 98.76 // q23.2
218137_s_at	2.717401	1.4422275	2.717401 up	<i>SMAP1</i>	60682	chr6:71377658-71570869 (+) // 97.97 // q13
210450_at	2.7123783	1.4395584	2.7123783 up	<i>IGHV5-78</i> /// <i>MIR5195</i>	28387///100847062	chr14:107258712-107259792 (-) // 93.79 // q32.33
230281_at	2.7045748	1.4354018	2.7045748 up	<i>C16orf46</i>	123775	chr16:81087101-81087565 (-) // 92.6 // q23.2
235666_at	2.7012439	1.4336239	2.7012439 up	<i>ITGA8</i>	8516	chr10:15555950-15556389 (-) // 97.54 // p13
210151_s_at	2.6988373	1.432338	2.6988373 up	<i>DYRK3</i>	8444	chr1:206808902-206822455 (+) // 99.81 // q32.1
218795_at	2.6985846	1.4322029	2.6985846 up	<i>ACP6</i>	51205	chr1:147119173-147142546 (-) // 98.79 // q21.2
223471_at	2.6857913	1.4253472	2.6857913 up	<i>RAB3IP</i>	117177	chr12:70132682-70209464 (+) // 68.69 // q15
236918_s_at	2.676468	1.4203303	2.676468 up	<i>LRRC34</i>	151827	chr3:169511266-169514584 (-) // 97.59 // q26.2
219892_at	2.6543293	1.4083474	2.6543293 up	<i>TM6SF1</i>	53346	chr15:83776379-83805674 (+) // 97.99 // q25.2
221113_s_at	2.6534278	1.4078573	2.6534278 up	<i>WNT16</i>	51384	chr7:120965420-120979512 (+) // 99.11 // q31.31
215436_at	2.6469834	1.4043491	2.6469834 up	<i>HSDL2</i>	84263	chr9:115234409-115237781 (+) // 6.54 // q32
228432_at	2.6451306	1.403339	2.6451306 up	<i>RAB3IP</i>	117177	chr12:70149161-70188284 (-) // 95.93 // q15
213910_at	2.6450486	1.4032942	2.6450486 up	<i>IGFBP7</i>	3490	chr4:57896527-57898393 (-) // 94.29 // q12
1558143_a_at	2.6425264	1.4019178	2.6425264 up	<i>BCL2L1</i>	10018	chr2:111922398-111924603 (+) // 96.19 // q13
204458_at	2.6400824	1.4005829	2.6400824 up	<i>PLA2G15</i>	23659	chr16:68279275-68294961 (+) // 97.22 // q22.1
225961_at	2.623049	1.3912448	2.623049 up	<i>KLHLA2</i>	57542	chr12:27932960-27953641 (+) // 92.09 // p11.22
217557_s_at	2.6149845	1.3868024	2.6149845 up	<i>CPM</i>	1368	chr12:69248249-69248922 (+) // 7.49 // q15
241765_at	2.614931	1.386773	2.614931 up	<i>CPM</i>	1368	chr12:69247047-69247511 (-) // 98.31 // q15
221021_s_at	2.605262	1.3814285	2.605262 up	<i>CTNBL1</i>	56259	chr20:36407684-36500519 (+) // 97.49 // q11.23
222343_at	2.6038415	1.3806417	2.6038415 up	<i>BCL2L1</i>	10018	chr2:111921737-111922208 (+) // 98.32 // q13
236654_s_at	2.5991483	1.3780389	2.5991483 up			chr3:169511311-169511753 (+) // 96.93 // q26.2
40148_at	2.5985727	1.3777194	2.5985727 up	<i>APBB2</i>	323	chr4:40817320-41016240 (-) // 88.64 // p14
244699_at	2.5911868	1.373613	2.5911868 up	<i>AHI1</i>	54806	chr6:135623042-135623693 (-) // 54.55 // q23.3
220132_s_at	2.5830543	1.3690779	2.5830543 up	<i>CLEC2D</i>	29121	chr12:9822324-9847724 (+) // 75.29 // p13.31
						chr3:195378718-195379150 (+) // 83.69 // q29//chr3:197360532-197360975 (-) // 83.69 // q29//chr3:195722955-195723398 (-) // 86.23 // q29//chr3:195663472-195663904 (-) // 83.05 // q29
214373_at	2.5783134	1.3664277	2.5783134 up			
215772_x_at	2.567544	1.360389	2.567544 up	<i>SUCLG2</i>	8801	chr3:67425144-67705002 (-) // 96.33 // p14.1
1556599_s_at	2.5626705	1.357648	2.5626705 up	<i>ARPP21</i>	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
219271_at	2.561037	1.3567281	2.561037 up	<i>GALNT14</i>	79623	chr2:31133333-31361013 (-) // 96.03 // p23.1
1561238_at	2.5588362	1.3554878	2.5588362 up	<i>PEX2</i>	5828	chr8:77908882-77912306 (-) // 79.25 // q21.11
212459_x_at	2.5516555	1.3514335	2.5516555 up	<i>SUCLG2</i>	8801	chr3:67425142-67705085 (-) // 86.68 // p14.1
214779_s_at	2.5489876	1.3499243	2.5489876 up	<i>SGSM3</i>	27352	chr22:40799917-40806289 (+) // 93.96 // q13.1
235391_at	2.548759	1.349795	2.548759 up	<i>FAM92A1</i>	137392	chr8:94718292-94740797 (+) // 99.16 // q22.1
238691_at	2.546167	1.348327	2.546167 up	<i>SNHG10</i>	283596	chr14:95998878-96000504 (-) // 52.68 // q32.13
205603_s_at	2.5452833	1.3478262	2.5452833 up	<i>DIAPH2</i>	1730	chrX:95939710-96724830 (+) // 99.23 // q21.33
235019_at	2.5388832	1.344194	2.5388832 up	<i>CPM</i>	1368	chr12:69247447-69248696 (-) // 33.77 // q15
206999_at	2.5295527	1.3388823	2.5295527 up	<i>IL12RB2</i>	3595	chr1:67773046-67862583 (+) // 90.1 // p31.3
215987_at	2.5260396	1.3368772	2.5260396 up	<i>RAPGEF2</i>	9693	chr4:160279264-160280493 (-) // 56.23 // q32.1
206100_at	2.5147696	1.3304262	2.5147696 up	<i>CPM</i>	1368	chr12:69249536-69326622 (-) // 83.36 // q15
223493_at	2.512376	1.3290524	2.512376 up	<i>FBXO4</i>	26272	chr5:41925411-41941663 (+) // 98.55 // p13.1
221054_s_at	2.5044868	1.324515	2.5044868 up	<i>TCL6</i>	27004	chr14:96129592-96137824 (+) // 49.19 // q32.13
201709_s_at	2.5017605	1.3229437	2.5017605 up	<i>NIPSNAP1</i>	8508	chr22:29950799-29977328 (-) // 95.16 // q12.2
202760_s_at	2.4952822	1.3192029	2.4952822 up	<i>AKAP2</i> /// <i>PALM2-AKAP2</i>	11217///445815	chr9:112542576-112932482 (+) // 96.68 // q31.3
1553088_a_at	2.4942918	1.3186302	2.4942918 up	<i>BCL2L1</i>	10018	chr2:111881322-111921808 (+) // 100.0 // q13
208536_s_at	2.486344	1.314026	2.486344 up	<i>BCL2L1</i>	10018	chr2:111881322-111921808 (+) // 99.76 // q13
233500_x_at	2.4861894	1.3139362	2.4861894 up	<i>CLEC2D</i>	29121	chr12:9833520-9847724 (+) // 76.3 // p13.31

203675_at	2.4836652	1.3124707	2.4836652	up	<i>NUCB2</i>	4925	chr11:17298311-17353070 (+) // 90.86 // p15.1
227720_at	2.4817472	1.3113561	2.4817472	up	<i>ANKRD13B</i>	124930	chr17:27936273-27942023 (+) // 96.53 // q11.2
201494_at	2.4806006	1.3106894	2.4806006	up	<i>PRCP</i>	5547	chr11:82535409-82611473 (-) // 99.61 // q14.1
203096_s_at	2.4767213	1.3084315	2.4767213	up	<i>RAPGEF2</i>	9693	chr4:160189245-160281302 (+) // 99.44 // q32.1
1554555_a_at	2.4739096	1.3067929	2.4739096	up	<i>SETD6</i>	79918	chr16:58549424-58553010 (+) // 95.4 // q21
234140_s_at	2.4717858	1.3055537	2.4717858	up	<i>STIM2</i>	57620	chr4:27004621-27025582 (+) // 92.54 // p15.2
225332_at	2.4693675	1.3041415	2.4693675	up	<i>OIP5-AS1</i>	729082	chr15:41592299-41594744 (+) // 76.19 // q15.1
220183_s_at	2.4642966	1.3011758	2.4642966	up	<i>NUDT6</i>	11162	chr4:123813798-123844123 (-) // 99.63 // q28.1
201487_at	2.4635994	1.3007677	2.4635994	up	<i>CTSC</i>	1075	chr11:88026760-88070873 (-) // 98.37 // q14.2
228225_at	2.450335	1.292979	2.450335	up	<i>PEX2</i>	5828	chr8:77894051-77894926 (-) // 67.24 // q21.11
203069_at	2.4485004	1.2918984	2.4485004	up	<i>SV2A</i>	9900	chr1:149874875-149889377 (-) // 98.64 // q21.2
203097_s_at	2.4482322	1.2917404	2.4482322	up	<i>RAPGEF2</i>	9693	chr4:160189245-160281299 (+) // 99.98 // q32.1
1569833_at	2.4461813	1.2905314	2.4461813	up	<i>LINC01585</i>	101929765	chr15:91203464-91208160 (+) // 30.83 // q26.1
228654_at	2.4403603	1.2870941	2.4403603	up	<i>SPIN4</i>	139886	chrX:62567106-62569298 (-) // 33.14 // q11.1
1552924_a_at	2.439244	1.286434	2.439244	up	<i>PITPNM2</i>	57605	chr12:123468980-123519201 (-) // 98.02 // q24.3.1
227790_at	2.4360995	1.2845731	2.4360995	up	<i>UBE3D</i>	90025	chr6:83602117-83732282 (-) // 95.68 // q14.1
227611_at	2.4337692	1.2831924	2.4337692	up	<i>TARSL2</i>	123283	chr15:102193954-102215943 (-) // 96.66 // q26.3
219036_at	2.4293318	1.2805595	2.4293318	up	<i>CEP70</i>	80321	chr3:138213188-138313079 (-) // 99.12 // q22.3
225633_at	2.428112	1.279835	2.428112	up	<i>DPY19L3</i>	147991	chr19:32973185-32976795 (+) // 81.87 // q13.11
213430_at	2.4257622	1.2784381	2.4257622	up	<i>RUFY3</i>	22902	chr4:71654628-71673476 (+) // 87.04 // q13.3
1569796_s_at	2.4207726	1.2754675	2.4207726	up	<i>ATRNL1</i>	26033	chr10:116853123-116931126 (+) // 94.88 // q25.3
206589_at	2.4176297	1.2735933	2.4176297	up	<i>GFI1</i>	2672	chr1:92940321-92952430 (-) // 92.17 // p22.1
239161_at	2.4086154	1.268204	2.4086154	up	<i>FDX1</i>	2230	chr11:110335168-110335608 (+) // 56.01 // q22.3
230234_at	2.3964517	1.2608999	2.3964517	up	<i>FXN</i>	2395	chr9:71693479-71693992 (+) // 71.54 // q21.11
243618_s_at	2.3946328	1.2598045	2.3946328	up	<i>ZNF827</i>	152485	chr4:146859684-146860181 (-) // 69.14 // q31.22
204808_s_at	2.3936098	1.2591879	2.3936098	up	<i>TMEM5</i>	10329	chr12:64173636-64202887 (+) // 97.17 // q14.2
1553102_a_at	2.3929029	1.2587619	2.3929029	up	<i>CCDC69</i>	26112	chr5:150560795-150603706 (-) // 75.31 // q33.1
223155_at	2.3848524	1.2539	2.3848524	up	<i>HDHD2</i>	84064	chr18:44633781-44676862 (-) // 93.12 // q21.1
1556598_at	2.3840282	1.2534013	2.3840282	up	<i>ARPP21</i>	10777	chr3:35681195-35683573 (+) // 93.51 // p22.3
211105_s_at	2.3839207	1.2533362	2.3839207	up	<i>NFATC1</i>	4772	chr18:77160335-77289322 (+) // 95.58 // q23
205590_at	2.3759472	1.2485027	2.3759472	up	<i>RASGRP1</i>	10125	chr15:38780305-38856932 (-) // 98.49 // q14
223874_at	2.3751907	1.2480434	2.3751907	up	<i>ACTR3C</i>	653857	chr7:149944301-149992436 (-) // 79.72 // q36.1
243529_at	2.368254	1.2438238	2.368254	up	<i>MARS2</i>	92935	chr2:198570788-198572568 (+) // 98.66 // q33.1
220841_s_at	2.3649387	1.2418028	2.3649387	up	<i>AHI1</i>	54806	chr6:135708922-135776915 (-) // 93.69 // q23.3
217848_s_at	2.360398	1.2390301	2.360398	up	<i>PPA1</i>	5464	chr10:71962593-71993160 (-) // 98.6 // q22.1
209574_s_at	2.3574998	1.2372576	2.3574998	up	<i>LDLRAD4</i>	753	chr18:13278099-13653093 (+) // 98.8 // p11.21
225288_at	2.350838	1.233175	2.350838	up	<i>COL27A1</i>	85301	chr9:117069690-117074794 (+) // 94.39 // q32
228426_at	2.3413813	1.2273599	2.3413813	up	<i>CLEC2D</i>	29121	chr12:9847076-9847724 (+) // 65.08 // p13.3.1
210059_s_at	2.3382819	1.2254488	2.3382819	up	<i>MAPK13</i>	5603	chr6:36098318-36107827 (+) // 78.3 // p21.3.1
223246_s_at	2.3367136	1.2244809	2.3367136	up	<i>STRBP</i>	55342	chr9:125887701-125941338 (-) // 98.68 // q33.3
215992_s_at	2.3339603	1.22278	2.3339603	up	<i>RAPGEF2</i>	9693	chr4:160247812-160251788 (+) // 85.82 // q32.1
205307_s_at	2.332702	1.222002	2.332702	up	<i>KMO</i>	8564	chr1:241695706-241758943 (+) // 79.22 // q43
206478_at	2.3323247	1.2217686	2.3323247	up	<i>KIAA0125</i>	9834	chr14:106390611-106398500 (+) // 87.01 // q32.3.3
223229_at	2.3247092	1.2170502	2.3247092	up	<i>UBE2T</i>	29089	chr1:202300950-202304924 (-) // 99.85 // q32.1
230047_at	2.3206987	1.2145592	2.3206987	up	<i>ARHGAP42</i>	143872	chr11:100846873-100860755 (+) // 97.28 // q22.1
230434_at	2.3146594	1.2107999	2.3146594	up	<i>PHOSPHO2</i>	493911	chr2:170557729-170558216 (+) // 94.93 // q31.1
219553_at	2.3113134	1.2087129	2.3113134	up	<i>NME7</i>	29922	chr1:169101770-169337040 (-) // 100.0 // q24.2
235675_at	2.3065205	1.2057182	2.3065205	up	<i>DHFR1L</i>	200895	chr3:93776767-93777390 (-) // 39.37 // q11.1
202148_s_at	2.299284	1.2011846	2.299284	up	<i>PYCR1</i>	5831	chr17:79890268-79894701 (-) // 95.42 // q25.3
210912_x_at	2.2981482	1.2004719	2.2981482	up	<i>GSTM4</i>	2948	chr1:110198743-110241298 (+) // 66.74 // p13.3
208758_at	2.2909787	1.1959641	2.2909787	up	<i>ATIC</i>	471	chr2:216176808-216214477 (+) // 99.74 // q35
232715_at	2.2825086	1.1906203	2.2825086	up			chr3:30739152-30741067 (+) // 63.19 // p24.1
213447_at	2.2804482	1.1893173	2.2804482	up	<i>IPW</i>	3653	chr15:25361691-25365293 (+) // 82.82 // q11.2
215947_s_at	2.2748227	1.1857541	2.2748227	up	<i>FAM136A</i>	84908	chr2:70523107-70523920 (-) // 50.31 // p13.3
204226_at	2.272979	1.1845844	2.272979	up	<i>STAU2</i>	27067	chr8:74461843-74659057 (-) // 97.98 // q21.11
223245_at	2.2671726	1.1808943	2.2671726	up	<i>STRBP</i>	55342	chr9:125886987-125946578 (-) // 93.48 // q33.3
224486_s_at	2.257391	1.1746563	2.257391	up	<i>CI5orf41</i>	84529	chr15:36872044-37102439 (+) // 97.04 // q14

201301_s_at	2.2538278	1.1723772	2.2538278	up	<i>ANXA4</i>	307	chr2:69969223-70052774 (+) // 98.08 // p13.3
203066_at	2.2484481	1.1689296	2.2484481	up	<i>CHST15</i>	51363	chr10:125767219-125851908 (-) // 96.69 // q26.13
221551_x_at	2.248313	1.1688428	2.248313	up	<i>ST6GALNAC4</i>	27090	chr9:130670596-130678719 (-) // 99.9 // q34.11
219517_at	2.2458997	1.1672935	2.2458997	up	<i>ELL3</i>	80237	chr15:44064821-44069184 (-) // 98.5 // q15.3
212038_s_at	2.2438002	1.1659442	2.2438002	up	<i>VDAC1</i>	7416	chr5:133307605-133328709 (-) // 91.56 // q31.1
232444_at	2.239953	1.1634685	2.239953	up	<i>CEP85L</i>	387119	chr6:118784925-118972477 (-) // 91.28 // q22.31
218948_at	2.23858	1.1625838	2.23858	up	<i>QRSL1</i>	55278	chr6:107077452-107115410 (+) // 75.55 // q21
222428_s_at	2.226357	1.1546849	2.226357	up	<i>LARS</i>	51520	chr5:145493027-145562128 (-) // 99.76 // q32
209624_s_at	2.2173638	1.1488456	2.2173638	up	<i>MCCC2</i>	64087	chr5:70883153-70952908 (+) // 98.46 // q13.2
220937_s_at	2.212509	1.1456833	2.212509	up	<i>ST6GALNAC4</i>	27090	chr9:130670380-130678747 (-) // 99.31 // q34.11
236856_x_at	2.209214	1.1435331	2.209214	up	<i>LOC105371220</i>	105371220	
213437_at	2.2057638	1.1412783	2.2057638	up	<i>RUFY3</i>	22902	chr4:71654628-71673476 (+) // 87.04 // q13.3
215194_at	2.2053435	1.1410034	2.2053435	up	<i>PRKCA</i>	5578	chr17:64800301-64801436 (-) // 96.75 // q24.2
225293_at	2.2034073	1.1397362	2.2034073	up	<i>COL27A1</i>	85301	chr9:117069690-117074794 (+) // 94.39 // q32
224968_at	2.20264	1.1392337	2.20264	up	<i>CFAP36</i>	112942	chr2:55746694-55772215 (+) // 96.82 // p16.1
220741_s_at	2.198312	1.1363962	2.198312	up	<i>PPA2</i>	27068	chr4:106290719-106395221 (-) // 97.94 // q24
228855_at	2.1979637	1.1361675	2.1979637	up	<i>NUD17</i>	283927	chr16:77775601-77776154 (+) // 89.52 // q23.1
212282_at	2.1953185	1.1344302	2.1953185	up	<i>TMEM97</i>	27346	chr17:26646128-26655404 (+) // 84.6 // q11.2
1552399_a_at	2.1924436	1.1325397	2.1924436	up	<i>BRF1</i>	2972	chr14:105675624-105714777 (-) // 79.96 // q32.33
219155_at	2.182243	1.1258118	2.182243	up	<i>PITPNC1</i>	26207	chr17:65374270-65689129 (+) // 99.38 // q24.2
1566646_at	2.182057	1.1256888	2.182057	up	<i>LINC01225</i>	149086	chr1:31971896-31974166 (-) // 49.91 // p35.2
212504_at	2.1805007	1.1246595	2.1805007	up	<i>DIP2C</i>	22982	chr10:320129-465133 (-) // 98.63 // p15.3
213853_at	2.177911	1.122945	2.177911	up	<i>DNAJC24</i>	120526	chr11:31391429-31454380 (+) // 88.88 // p13
218988_at	2.16723	1.1158521	2.16723	up	<i>SLC35E3</i>	55508	chr12:69139962-69159844 (+) // 72.5 // q15
225666_at	2.1640882	1.1137594	2.1640882	up	<i>TMTC4</i>	84899	chr13:101255879-101321013 (-) // 98.71 // q32.3
238662_at	2.1624599	1.1126734	2.1624599	up	<i>DPH6</i>	89978	chr15:35664300-35834710 (-) // 88.82 // q14
202722_s_at	2.160699	1.111498	2.160699	up	<i>GFPT1</i>	2673	chr2:69552406-69614325 (-) // 99.94 // p13.3
212719_at	2.1498504	1.1042362	2.1498504	up	<i>PHLPP1</i>	23239	chr18:60384309-60647666 (+) // 96.34 // q21.33
218458_at	2.1483912	1.1032568	2.1483912	up	<i>GMCL1</i>	64395	chr2:70066588-70107384 (+) // 99.34 // p13.3
212371_at	2.1398551	1.0975131	2.1398551	up	<i>DES12</i>	51029	chr1:244870374-244872331 (+) // 97.27 // q44
222427_s_at	2.1362474	1.0950787	2.1362474	up	<i>LARS</i>	51520	chr5:145492594-145562223 (-) // 93.31 // q32
228758_at	2.1304426	1.0911531	2.1304426	up	<i>BCL6</i>	604	chr3:187455563-187456278 (-) // 82.83 // q27.3
224516_s_at	2.1300573	1.0908922	2.1300573	up	<i>CXXC5</i>	51523	chr5:139027945-139063465 (+) // 94.22 // q31.2
227589_at	2.115389	1.0809231	2.115389	up	<i>PITPNC1</i>	26207	chr17:65373941-65665781 (-) // 91.68 // q24.2
233138_at	2.1129549	1.0792619	2.1129549	up	<i>LDLRAD4</i>	753	chr18:13613691-13615746 (+) // 89.18 // p11.21
200849_s_at	2.1053011	1.0740266	2.1053011	up	<i>AHLYC1</i>	10768	chr1:110527395-110566351 (+) // 93.33 // p13.3
225090_at	2.0995233	1.0700618	2.0995233	up	<i>SYVNI</i>	84447	chr11:64894750-64897793 (-) // 94.88 // q13.1
223506_at	2.099512	1.0700542	2.099512	up	<i>ZC3H8</i>	84524	chr2:112973441-113012650 (-) // 67.15 // q13
226233_at	2.0976973	1.0688064	2.0976973	up	<i>B3GALNT2</i>	148789	chr1:235610527-235611546 (-) // 60.92 // q42.3
228011_at	2.0972552	1.0685024	2.0972552	up	<i>FAM92A1</i>	137392	chr8:94722018-94741626 (+) // 98.93 // q22.1
231588_at	2.0964859	1.0679731	2.0964859	up	<i>PRCP</i>	5547	chr11:82564217-82611469 (+) // 100.0 // q14.1
204730_at	2.0846457	1.0598022	2.0846457	up	<i>RIMS3</i>	9783	chr1:41086351-41131324 (-) // 95.4 // p34.2
218973_at	2.077967	1.0551727	2.077967	up	<i>EFTUD1</i>	79631	chr15:82422576-82530699 (-) // 99.89 // q25.2
225841_at	2.0755045	1.0534621	2.0755045	up	<i>HENMT1</i>	113802	chr1:109190918-109203691 (-) // 98.26 // p13.3
223461_at	2.0750635	1.0531554	2.0750635	up	<i>TBC1D7</i>	51256	chr6:13305185-13328614 (-) // 97.82 // p24.1
210296_s_at	2.0721295	1.0511141	2.0721295	up	<i>PEX2</i>	5828	chr8:77895314-77912325 (-) // 97.64 // q21.11
244180_at	2.0710332	1.0503507	2.0710332	up	<i>ZNF793</i>	390927	chr19:38033220-38034233 (+) // 55.0 // q13.12
218412_s_at	2.0696936	1.0494173	2.0696936	up	<i>GTF2IRD1</i>	9569	chr7:73868119-74016910 (+) // 91.79 // q11.23
234488_s_at	2.069418	1.0492251	2.069418	up	<i>GMCL1//GMCL1P1</i>	64395//64396	chr5:177612382-177613882 (-) // 96.92 // q35.3
231095_at	2.0659761	1.0468236	2.0659761	up	<i>LOC101928045</i>	101928045	chr17:65671127-65671746 (-) // 95.4 // q24.2
220999_s_at	2.0560582	1.0398811	2.0560582	up	<i>CYFIP2</i>	26999	chr5:156820983-156822592 (+) // 90.45 // q33.3
227379_at	2.0554128	1.0394281	2.0554128	up	<i>MBOAT1</i>	154141	chr6:20100947-20144187 (-) // 73.78 // p22.3
1553691_at	2.050272	1.0358152	2.050272	up	<i>B3GALNT2</i>	148789	chr1:235612643-235667884 (-) // 99.96 // q42.3
214013_s_at	2.0487134	1.0347182	2.0487134	up			chr4:38016244-38022304 (-) // 98.52 // p14
209191_at	2.048242	1.0343863	2.048242	up	<i>TUBB6</i>	84617	chr18:12308256-12326567 (+) // 98.43 // p11.21
222158_s_at	2.0468185	1.0333831	2.0468185	up	<i>DES12</i>	51029	chr1:244816457-244869241 (+) // 81.93 // q44
215391_at	2.0464375	1.0331147	2.0464375	up	<i>MAP1A</i>	4130	chr15:43814544-43815779 (-) // 88.21 // q15.3

204324_s_at	2.0433066	1.0309057	2.0433066	up	<i>GOLIM4</i>	27333	chr3:167727653-167813086 (-) // 95.29 // q26.2
239355_at	2.0404687	1.0289006	2.0404687	up	<i>GMCL1</i>	64395	chr2:70107788-70108504 (+) // 67.47 // p13.3
1554489_a_at	2.0404027	1.0288539	2.0404027	up	<i>CEP70</i>	80321	chr3:138255761-138313120 (-) // 96.89 // q22.3
212981_s_at	2.0376985	1.0269406	2.0376985	up	<i>TCAF1</i>	9747	chr7:143306174-143307659 (+) // 50.2 // q35//chr7:143548469-143549946 (-) // 50.33 // q35
233538_s_at	2.0329165	1.023551	2.0329165	up	<i>CYBB</i>	1536	chr15:58901356-58913713 (+) // 76.72 // q21.3
224391_s_at	2.0300887	1.0215427	2.0300887	up	<i>SIAE</i>	54414	chr11:124505693-124543616 (-) // 94.73 // q24.2
232167_at	2.0168896	1.012132	2.0168896	up	<i>SLC2A11</i>	66035	chr22:24199058-24227586 (+) // 79.27 // q11.23
230860_at	2.0112157	1.0080677	2.0112157	up	<i>CEP19</i>	84984	chr3:196433148-196433878 (-) // 97.86 // q29
212133_at	2.005685	1.0040951	2.005685	up	<i>NIPA2</i>	81614	chr15:23004236-23034370 (-) // 94.71 // q11.2

Down

Probe Set ID	FC ([ <i>MEF2D</i> ] vs. [B-others])	Log FC ([ <i>MEF2D</i> ] vs. [B-others])	FC (abs) ([ <i>MEF2D</i> ] vs. [B-others])	Regulation ([ <i>MEF2D</i> ] vs. [B-others])	Gene Symbol	Entrez Gene	Alignments
203373_at	-244.7651	-7.935254	244.7651	down	<i>SOCS2</i>	8835	chr12:93966458-93969978 (+) // 94.2 // q22
203372_s_at	-156.36859	-7.288807	156.36859	down	<i>SOCS2</i>	8835	chr12:93966635-93969024 (+) // 100.0 // q22
227923_at	-86.53519	-6.435215	86.53519	down	<i>SHANK3</i>	85358	chr22:51159032-51171638 (+) // 92.82 // q13.33
209200_at	-82.93198	-6.3738565	82.93198	down	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
227998_at	-75.68591	-6.241953	75.68591	down	<i>S100A16</i>	140576	chr1:153579361-153579825 (-) // 80.19 // q21.3
1559315_s_at	-69.026474	-6.109078	69.026474	down	<i>SOCS2-AS1</i>	144481	chr12:93936239-93965628 (-) // 29.03 // q22
202599_s_at	-66.16118	-6.047913	66.16118	down	<i>NRIP1</i>	8204	chr21:16333561-16340799 (-) // 96.45 // q11.2
229698_at	-59.473145	-5.8941665	59.473145	down	<i>SHANK3</i>	85358	chr22:51161943-51162466 (+) // 85.1 // q13.33
206001_at	-54.569786	-5.7700305	54.569786	down	<i>NPY</i>	4852	chr7:24324859-24331416 (+) // 96.16 // p15.3
236395_at	-53.73598	-5.7478166	53.73598	down			chr5:88171900-88172437 (-) // 94.29 // q14.3
202600_s_at	-49.994164	-5.6436877	49.994164	down	<i>NRIP1</i>	8204	chr21:16333560-16437255 (-) // 96.06 // q11.2
209199_s_at	-49.580143	-5.6316905	49.580143	down	<i>MEF2C</i>	4208	chr5:88014057-88179024 (-) // 97.25 // q14.3
211214_s_at	-42.924427	-5.423727	42.924427	down	<i>DAPK1</i>	1612	chr9:90112803-90260886 (+) // 88.99 // q21.33
219686_at	-39.720253	-5.311803	39.720253	down	<i>STK32B</i>	55351	chr4:5053526-5502725 (+) // 85.95 // p16.2
204030_s_at	-38.73076	-5.275408	38.73076	down	<i>IQCJ-SCHIP1//SCHIP1</i>	29970//100505385	chr3:158991543-159615139 (+) // 96.02 // q25.32
205330_at	-35.394432	-5.1454506	35.394432	down	<i>MNI</i>	4330	chr22:28144265-28197486 (-) // 95.36 // q12.1
229900_at	-33.200226	-5.053121	33.200226	down	<i>CD109</i>	135228	chr6:74520770-74533826 (+) // 97.85 // q13
221760_at	-31.473738	-4.9760766	31.473738	down	<i>MAN1A1</i>	4121	chr6:119498373-119670926 (-) // 94.18 // q22.31
237849_at	-30.670025	-4.9387574	30.670025	down			chr6:119502630-119503241 (-) // 53.57 // q22.31
219837_s_at	-30.136744	-4.9134517	30.136744	down	<i>CYTL1</i>	54360	chr4:5016317-5021199 (-) // 99.7 // p16.2
202242_at	-29.744152	-4.894534	29.744152	down	<i>TSPAN7</i>	7102	chrX:38420796-38548171 (+) // 99.25 // p11.4
1553078_at	-29.178535	-4.8668356	29.178535	down	<i>OR5P3</i>	120066	chr11:7846583-7847519 (-) // 100.0 // p15.4
203708_at	-26.381332	-4.7214456	26.381332	down	<i>PDE4B</i>	5142	chr1:66797686-66839942 (+) // 89.92 // p31.3
207968_s_at	-25.874662	-4.693468	25.874662	down	<i>MEF2C</i>	4208	chr5:88018315-88119671 (-) // 72.47 // q14.3
244230_at	-25.275839	-4.659687	25.275839	down			chr5:88063251-88063715 (-) // 97.89 // q14.3
222326_at	-24.148075	-4.5938363	24.148075	down			chr1:66822753-66823108 (+) // 62.81 // p31.3
221942_s_at	-24.049404	-4.5879292	24.049404	down	<i>GUCY1A3</i>	2982	chr4:156638368-156652730 (+) // 98.88 // q32.1
204115_at	-23.632498	-4.5627003	23.632498	down	<i>GNG11</i>	2791	chr7:93551358-93555821 (+) // 97.43 // q21.3
210432_s_at	-23.51334	-4.5554075	23.51334	down	<i>SCN3A</i>	6328	chr2:165944039-166060553 (-) // 98.62 // q24.3
241844_x_at	-21.328175	-4.4146886	21.328175	down	<i>TMEM156</i>	80008	chr4:39029997-39034003 (-) // 55.15 // p14
232898_at	-20.827473	-4.380416	20.827473	down	<i>DAB2</i>	1601	chr5:39386694-39389681 (-) // 86.89 // p13.1
227235_at	-20.198256	-4.3361588	20.198256	down	<i>GUCY1A3</i>	2982	chr4:156656844-156658211 (+) // 88.22 // q32.1
206852_at	-20.114094	-4.330135	20.114094	down	<i>EPHA7</i>	2045	chr6:93951803-94129244 (-) // 99.45 // q16.1
218486_at	-20.001448	-4.3220325	20.001448	down	<i>KLF11</i>	8462	chr2:10183708-10192854 (+) // 46.1 // p25.1
200951_s_at	-19.321898	-4.272165	19.321898	down	<i>CCND2</i>	894	chr12:4382937-4414519 (+) // 95.53 // p13.32
1558662_s_at	-19.251604	-4.2669067	19.251604	down	<i>BANK1</i>	55024	chr4:102982572-102995610 (+) // 88.82 // q24
231259_s_at	-19.045214	-4.2513566	19.045214	down	<i>CCND2</i>	894	chr12:4410863-4411609 (-) // 89.69 // p13.32
231924_at	-18.28546	-4.192625	18.28546	down	<i>LINC00958</i>	100506305	chr11:13000565-13002547 (-) // 68.82 // p15.2
227954_at	-18.216639	-4.187185	18.216639	down	<i>ITPR1PL2</i>	162073	chr16:19126959-19128212 (+) // 99.21 // p12.3
200953_s_at	-18.005167	-4.170339	18.005167	down	<i>CCND2</i>	894	chr12:4382937-4414516 (+) // 97.58 // p13.32
226545_at	-17.334013	-4.115534	17.334013	down	<i>CD109</i>	135228	chr6:74536266-74538037 (+) // 93.33 // q13

211302_s_at	-16.692087	-4.0610924	16.692087	down	<i>PDE4B</i>	5142	chr1:66258863-66839187 (+) // 99.65 // p31.3
203139_at	-16.634224	-4.0560827	16.634224	down	<i>DAPK1</i>	1612	chr9:90112795-90323543 (+) // 98.7 // q21.33
208116_s_at	-16.388466	-4.034609	16.388466	down	<i>MAN1A1</i>	4121	chr6:119500316-119670089 (-) // 74.71 // q22.31
232539_at	-16.285267	-4.0254955	16.285267	down	<i>SOCS2</i>	8835	chr12:93974410-93979385 (+) // 47.02 // q22
208422_at	-16.205414	-4.018404	16.205414	down	<i>MSR1</i>	4481	chr8:15998287-16050168 (-) // 99.93 // p22
222496_s_at	-15.926493	-3.9933567	15.926493	down	<i>RBM47</i>	54502	chr4:40425283-40517979 (-) // 93.35 // p14
1559469_s_at	-15.609281	-3.964332	15.609281	down	<i>SIPA1L2</i>	57568	chr1:232649621-232651330 (-) // 98.16 // q42.2
211341_at	-15.496211	-3.9538436	15.496211	down	<i>POU4F1</i>	5457	chr13:79173231-79177695 (-) // 89.78 // q31.1
206940_s_at	-15.491371	-3.953393	15.491371	down	<i>POU4F1</i>	5457	chr13:79173324-79176836 (-) // 88.55 // q31.1
225056_at	-15.453889	-3.949898	15.453889	down	<i>SIPA1L2</i>	57568	chr1:232533714-232650489 (-) // 98.35 // q42.2
212094_at	-15.424447	-3.947147	15.424447	down	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
209295_at	-15.386862	-3.943627	15.386862	down	<i>TNFRSF10B</i>	8795	chr8:22877645-22926516 (-) // 84.97 // p21.3
210942_s_at	-15.260424	-3.931723	15.260424	down	<i>ST3GAL6</i>	10402	chr3:98451129-98512805 (+) // 98.91 // q12.1
229288_at	-15.235392	-3.9293547	15.235392	down	<i>EPHA7</i>	2045	chr6:93949742-93950473 (-) // 76.75 // q16.1
212489_at	-15.040416	-3.9107726	15.040416	down	<i>COL5A1</i>	1289	chr9:137734331-137736688 (+) // 99.36 // q34.3
226099_at	-14.960961	-3.903131	14.960961	down	<i>ELL2</i>	22936	chr5:95222194-95224470 (-) // 93.99 // q15
241535_at	-14.862096	-3.8935657	14.862096	down	<i>LOC101060391</i>	101060391	chr2:945313-945594 (-) // 96.9 // p25.3
213355_at	-14.648005	-3.8726323	14.648005	down	<i>ST3GAL6</i>	10402	chr3:98451159-98514689 (+) // 82.31 // q12.1
200952_s_at	-14.346141	-3.8425908	14.346141	down	<i>CCND2</i>	894	chr12:4382937-4414519 (+) // 95.53 // p13.32
214745_at	-14.15718	-3.823462	14.15718	down	<i>PLCH1</i>	23007	chr3:155197670-155301350 (-) // 99.75 // q25.31
204429_s_at	-14.104142	-3.818047	14.104142	down	<i>SLC2A5</i>	6518	chr1:9097004-9132285 (-) // 98.46 // p36.23
1553572_a_at	-13.975686	-3.8048472	13.975686	down	<i>CYGB</i>	114757	chr17:74524601-74533667 (-) // 98.22 // q25.1
238533_at	-13.94825	-3.8020122	13.94825	down	<i>EPHA7</i>	2045	chr6:93950469-93951606 (-) // 99.74 // q16.1
230315_at	-13.723925	-3.7786212	13.723925	down		5142	chr4:38666649-38667210 (-) // 99.29 // p14
215671_at	-13.618614	-3.767508	13.618614	down	<i>PDE4B</i>	5142	chr1:66834352-66835833 (+) // 82.06 // p31.3
218035_s_at	-13.090662	-3.7104661	13.090662	down	<i>RBM47</i>	54502	chr4:40425740-40517968 (-) // 97.34 // p14
212092_at	-12.966981	-3.6967707	12.966981	down	<i>PEG10</i>	23089	chr7:94285681-94299007 (+) // 95.76 // q21.3
225133_at	-12.716091	-3.6685834	12.716091	down	<i>KLF3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
212364_at	-12.691023	-3.6657364	12.691023	down	<i>MYO1B</i>	4430	chr2:192160843-192290112 (+) // 95.31 // q32.3
233587_s_at	-12.65155	-3.6612422	12.65155	down	<i>SIPA1L2</i>	57568	chr1:232534209-232581496 (-) // 99.89 // q42.2
240704_at	-12.631027	-3.6589	12.631027	down		5641	chr4:38986125-38986684 (-) // 98.21 // p14
201212_at	-12.399934	-3.6322606	12.399934	down	<i>LGDN</i>	55024	chr14:93170161-93199163 (-) // 98.92 // q32.12
222915_s_at	-12.321227	-3.623074	12.321227	down	<i>BANK1</i>	7035	chr4:102735035-102995967 (+) // 97.01 // q24
210664_s_at	-12.006204	-3.5857081	12.006204	down	<i>TFPI</i>	54762	chr2:188343307-188419158 (-) // 94.74 // q32.1
219313_at	-11.910072	-3.5741103	11.910072	down	<i>GRAMD1C</i>	54762	chr3:113633304-113666017 (+) // 93.06 // q13.31
240738_at	-11.685536	-3.546652	11.685536	down		4481	chr10:33617837-33618257 (-) // 76.64 // p11.22
211887_x_at	-11.677605	-3.5456724	11.677605	down	<i>MSR1</i>	4481	chr8:15967593-16035497 (-) // 100.0 // p22
1555270_a_at	-11.601304	-3.536215	11.601304	down	<i>WFS1</i>	7466	chr4:6271642-6304609 (+) // 98.69 // p16.1
212488_at	-11.245606	-3.4912896	11.245606	down	<i>COL5A1</i>	1289	chr9:137734331-137736688 (+) // 99.36 // q34.3
204430_s_at	-11.20281	-3.4857888	11.20281	down	<i>SLC2A5</i>	6518	chr1:9097006-9129670 (-) // 99.91 // p36.23
225140_at	-11.159259	-3.4801693	11.159259	down	<i>KLF3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
240413_at	-10.995578	-3.4588516	10.995578	down	<i>PYHINI</i>	149628	chr1:158946486-158946838 (+) // 69.89 // q23.1
212298_at	-10.931151	-3.4503734	10.931151	down	<i>NRP1</i>	8829	chr10:33466425-33623596 (-) // 97.9 // p11.22
207267_s_at	-10.80793	-3.4340184	10.80793	down	<i>RIPPLY3</i>	53820	chr21:38378862-38391956 (+) // 72.15 // q22.13
1555536_at	-10.546993	-3.3987598	10.546993	down	<i>ANTXR2</i>	118429	chr4:80898690-80993854 (-) // 99.85 // q21.21
239580_at	-10.465985	-3.3876362	10.465985	down	<i>GUCY1A3</i>	2982	chr4:156655994-156656804 (+) // 96.17 // q32.1
242525_at	-10.440521	-3.384122	10.440521	down	<i>SLC2A5</i>	6518	chr1:9095165-9095635 (-) // 63.1 // p36.23
241701_at	-10.3354	-3.3695223	10.3354	down	<i>ARHGAP21</i>	57584	chr6:80779317-80780225 (-) // 86.83 // q14.1
208423_s_at	-10.297843	-3.3642702	10.297843	down	<i>MSR1</i>	4481	chr8:15998287-16050168 (-) // 99.93 // p22
204438_at	-10.289752	-3.3631363	10.289752	down	<i>MRC1</i>	4360	chr10:18098351-18200090 (+) // 99.69 // p12.33
1562433_at	-10.26487	-3.3596435	10.26487	down	<i>LINC01181</i>	379034	chr8:104133259-104152583 (+) // 73.83 // q22.3
240321_at	-10.248361	-3.3573213	10.248361	down			chr18:53238979-53239479 (-) // 98.8 // q21.2
204270_at	-10.159431	-3.3447478	10.159431	down	<i>SKI</i>	6497	chr1:2160133-2241006 (+) // 96.42 // p36.33
213075_at	-10.130429	-3.3406234	10.130429	down	<i>OLFML2A</i>	169611	chr9:127575023-127577161 (+) // 50.92 // q33.3
229390_at	-10.121052	-3.3392873	10.121052	down	<i>FAM26F</i>	441168	chr6:116782532-116784946 (+) // 97.23 // q22.1
223853_at	-10.099154	-3.3361626	10.099154	down	<i>BVES</i>	11149	chr6:105548495-105584560 (-) // 97.21 // q21

226001_at	-9.966411	-3.317074	9.966411	down	<i>KLHL5</i>	51088	chr4:39064545-39124043 (+) // 94.21 // p14
227565_at	-9.954013	-3.3152783	9.954013	down	<i>KLHL5</i>	51088	chr4:39127137-39127851 (+) // 52.89 // p14
239719_at	-9.844519	-3.2993207	9.844519	down	<i>CD109</i>	135228	chr6:74534122-74534797 (+) // 91.47 // q13
227405_s_at	-9.818106	-3.2954447	9.818106	down	<i>FZD8</i>	8325	chr10:35927536-35928379 (-) // 86.53 // p11.21
228362_s_at	-9.751138	-3.2855706	9.751138	down	<i>FAM26F</i>	441168	chr6:116783401-116784745 (-) // 98.1 // q22.1
226632_at	-9.742593	-3.2843058	9.742593	down	<i>CYGB</i>	114757	chr17:74523437-74533767 (-) // 89.66 // q25.1
229391_s_at	-9.639537	-3.2689638	9.639537	down	<i>FAM26F</i>	441168	chr6:116782532-116784946 (+) // 97.23 // q22.1
1554876_a_at	-9.436925	-3.2383168	9.436925	down	<i>S100Z</i>	170591	chr5:76145924-76217056 (+) // 87.43 // q13.3
204304_s_at	-9.423284	-3.23623	9.423284	down	<i>PROM1</i>	8842	chr4:15969856-16077566 (-) // 99.92 // p15.32
224215_s_at	-9.381444	-3.22981	9.381444	down	<i>DLL1</i>	28514	chr6:170591329-170599480 (-) // 96.83 // q27
222146_s_at	-9.28667	-3.2151613	9.28667	down	<i>TCF4</i>	6925	chr18:52895059-52897726 (-) // 77.03 // q21.2
227345_at	-9.197713	-3.201275	9.197713	down	<i>TNFRSF10D</i>	8793	chr8:22993100-22994017 (-) // 95.52 // p21.3
203325_s_at	-9.17789	-3.1981626	9.17789	down	<i>COL5A1</i>	1289	chr9:137533804-137734754 (+) // 87.76 // q34.3
1564821_at	-9.156022	-3.194721	9.156022	down			chr10:129991025-129991879 (-) // 30.63 // q26.2
229530_at	-8.886484	-3.1516128	8.886484	down	<i>GUCY1A3</i>	2982	chr4:156653914-156654981 (+) // 84.91 // q32.1
207446_at	-8.778999	-3.1340566	8.778999	down	<i>TLR6</i>	10333	chr4:38828407-38831160 (-) // 94.93 // p14
1568619_s_at	-8.746554	-3.1287148	8.746554	down	<i>ITPR1PL2</i>	162073	chr16:19130076-19131514 (+) // 82.15 // p12.3
224325_at	-8.71076	-3.1227987	8.71076	down	<i>FZD8</i>	8325	chr10:35927176-35930362 (-) // 86.7 // p11.21
226122_at	-8.71061	-3.122774	8.71061	down	<i>PLEKHG1</i>	57480	chr6:151125780-151164799 (+) // 94.6 // q25.1
240432_x_at	-8.634807	-3.110164	8.634807	down	<i>KLF7</i>	8609	chr2:207939809-207940236 (-) // 91.16 // q33.3
208820_at	-8.590082	-3.1026719	8.590082	down	<i>PTK2</i>	5747	chr8:141668500-142011303 (-) // 93.09 // q24.3
218764_at	-8.402233	-3.070773	8.402233	down	<i>PRKCH</i>	5583	chr14:62016673-62017690 (+) // 98.35 // q23.1
229543_at	-8.357071	-3.0629973	8.357071	down			chr6:116782532-116784961 (-) // 99.83 // q22.1
228311_at	-8.337521	-3.0596185	8.337521	down	<i>BCL6B</i>	255877	chr17:6931270-6933135 (+) // 95.48 // p13.1
1553137_s_at	-8.286829	-3.05082	8.286829	down	<i>KLF11</i>	8462	chr2:10183708-10192854 (+) // 82.76 // p25.1
235146_at	-8.264184	-3.0468724	8.264184	down	<i>TMCC3</i>	57458	chr12:94960882-94961956 (-) // 99.91 // q22
242814_at	-8.261769	-3.0464509	8.261769	down	<i>SERPINB9</i>	5272	chr6:2893303-2893707 (-) // 88.02 // p25.2
225660_at	-8.246261	-3.04374	8.246261	down	<i>SEMA6A</i>	57556	chr5:115781092-115910452 (-) // 97.45 // q23.1
228297_at	-8.187204	-3.033371	8.187204	down			chr1:95362512-95362927 (+) // 88.38 // p21.3
216248_s_at	-8.18617	-3.0331886	8.18617	down	<i>NR4A2</i>	4929	chr2:157180968-157189041 (-) // 97.76 // q24.1
206591_at	-8.124247	-3.022234	8.124247	down	<i>RAG1</i>	5896	chr11:36589562-36601264 (+) // 94.13 // p12
215177_s_at	-8.062848	-3.0112896	8.062848	down	<i>ITGA6</i>	3655	chr2:173355948-173369965 (+) // 94.77 // q31.1
204334_at	-8.010744	-3.0019362	8.010744	down	<i>KLF7</i>	8609	chr2:207943711-208030739 (-) // 94.27 // q33.3
205227_at	-7.96813	-2.9942412	7.96813	down	<i>IL1RAP</i>	3556	chr3:190231890-190369301 (+) // 90.45 // q28
218625_at	-7.922539	-2.9859629	7.922539	down	<i>NRN1</i>	51299	chr6:5998234-6007150 (-) // 92.57 // p25.1
204446_s_at	-7.8420663	-2.9712338	7.8420663	down	<i>ALOX5</i>	240	chr10:45869685-45941561 (+) // 96.56 // q11.21
1555420_a_at	-7.778486	-2.9594893	7.778486	down	<i>KLF7</i>	8609	chr2:207945087-208031571 (-) // 95.89 // q33.3
201278_at	-7.440276	-2.8953562	7.440276	down	<i>DAB2</i>	1601	chr5:39371775-39425331 (-) // 99.31 // p13.1
1561015_at	-7.4120765	-2.8898778	7.4120765	down			chr4:38684730-38685328 (+) // 92.66 // p14
201445_at	-7.301897	-2.8682714	7.301897	down	<i>CNN3</i>	1266	chr1:95362765-95392638 (-) // 98.44 // p21.3
223449_at	-7.1530557	-2.8385596	7.1530557	down	<i>SEMA6A</i>	57556	chr5:115779251-115781281 (-) // 93.01 // q23.1
235457_at	-7.1101513	-2.8298802	7.1101513	down	<i>MAML2</i>	84441	chr11:95709758-95710774 (-) // 98.55 // q21
233866_at	-7.0810575	-2.8239648	7.0810575	down	<i>KLHL5</i>	51088	chr4:39104903-39117952 (+) // 80.16 // p14
228010_at	-7.0486727	-2.8173516	7.0486727	down	<i>PPP2R2C</i>	5522	chr4:6322307-6323560 (-) // 93.14 // p16.1
217022_s_at	-6.9681044	-2.8007662	6.9681044	down	<i>IGH///IGHA1///IGHA2</i>	3492///3493///3494	chr14:106173474-106518511 (-) // 86.68 // q32.33
234196_at	-6.8348756	-2.7729151	6.8348756	down			chr12:95014382-95016612 (-) // 90.09 // q22
238365_s_at	-6.8069963	-2.7670183	6.8069963	down	<i>Clorf228</i>	339541	chr1:45190044-45191261 (+) // 95.62 // p34.1
237497_at	-6.7579517	-2.756586	6.7579517	down			chr8:19606737-19607113 (-) // 100.0 // p21.3
220637_at	-6.748576	-2.7545831	6.748576	down	<i>FAM124B</i>	79843	chr2:225243415-225266751 (-) // 97.9 // q36.2
222180_at	-6.7476335	-2.7543817	6.7476335	down			chr18:738057-739662 (-) // 34.08 // p11.32
225524_at	-6.73016	-2.7506409	6.73016	down	<i>ANTXR2</i>	118429	chr4:80826724-80905126 (-) // 93.94 // q21.21
214181_x_at	-6.7270513	-2.7499743	6.7270513	down	<i>LST1</i>	7940	chr6:31554806-31556685 (+) // 58.31 // p21.33
209365_s_at	-6.650967	-2.7335641	6.650967	down	<i>ECM1</i>	1893	chr1:150480654-150485972 (+) // 99.94 // q21.3
220030_at	-6.6351004	-2.7301183	6.6351004	down	<i>STYKI</i>	55359	chr12:10771537-10826639 (-) // 90.75 // p13.2
224350_at	-6.619447	-2.7267108	6.619447	down			chr4:38676412-38677218 (+) // 61.53 // p14
201656_at	-6.587079	-2.7196388	6.587079	down	<i>ITGA6</i>	3655	chr2:173292369-173371002 (+) // 99.04 // q31.1
230276_at	-6.571132	-2.716142	6.571132	down	<i>FAM49A</i>	81553	chr2:16730726-16731295 (-) // 88.87 // p24.2



214574_x_at	-6.524389	-2.7058427	6.524389	down	<i>LST1</i>	7940	chr6:31554976-31556658 (+) // 78.24 // p21.33
1563357_at	-6.3906837	-2.6759703	6.3906837	down	<i>TNF</i>	7124	chr6:2887602-2888080 (+) // 21.82 // p25.2
215813_s_at	-6.3882656	-2.6754243	6.3882656	down	<i>PTGS1</i>	5742	chr9:125133363-125155457 (+) // 99.91 // q33.2
238986_at	-6.372661	-2.671896	6.372661	down	<i>LINC-PINT</i>	378805	chr7:130792982-130793526 (-) // 81.07 // q32.3
229265_at	-6.3371925	-2.6638439	6.3371925	down	<i>SKI</i>	6497	chr1:2241285-2241652 (+) // 85.15 // p36.33
221773_at	-6.3159966	-2.6590104	6.3159966	down	<i>ELK3</i>	2004	chr12:96660976-96663598 (+) // 91.53 // q23.1
205289_at	-6.315794	-2.6589642	6.315794	down	<i>BMP2</i>	650	chr20:6748310-6760923 (+) // 97.71 // p12.3
216976_s_at	-6.314833	-2.6587446	6.314833	down	<i>RYK</i>	6259	chr3:133876768-133969598 (-) // 92.23 // q22.2
211582_x_at	-6.2655168	-2.6474335	6.2655168	down	<i>LST1</i>	7940	chr6:31554475-31556587 (+) // 85.2 // p21.33
212598_at	-6.2610545	-2.6464057	6.2610545	down	<i>WDFY3</i>	23001	chr4:85590695-85612934 (-) // 97.2 // q21.23
212365_at	-6.223084	-2.6376297	6.223084	down	<i>MYO1B</i>	4430	chr2:192160843-192290112 (+) // 95.31 // q32.3
215028_at	-6.156262	-2.6220546	6.156262	down	<i>SEMA6A</i>	57556	chr5:115804662-115806106 (-) // 98.9 // q23.1
238689_at	-6.0229154	-2.590462	6.0229154	down	<i>ADGRF1</i>	266977	chr6:46977124-46980043 (-) // 93.01 // p12.3
213854_at	-6.0025225	-2.585569	6.0025225	down	<i>SYNGR1</i>	9145	chr22:39760174-39774386 (+) // 77.12 // q13.1
211581_x_at	-5.9970355	-2.5842495	5.9970355	down	<i>LST1</i>	7940	chr6:31554624-31556587 (+) // 80.95 // p21.33
219871_at	-5.9903197	-2.582633	5.9903197	down	<i>KLF3-AS1</i>	79667	chr4:38614321-38666249 (-) // 74.75 // p14
239055_at	-5.935595	-2.5693927	5.935595	down			chr7:130630222-130792989 (+) // 90.53 // q32.3
207821_s_at	-5.9265375	-2.5671895	5.9265375	down	<i>PTK2</i>	5747	chr8:141669174-141856385 (-) // 97.67 // q24.3
233309_at	-5.9220476	-2.566096	5.9220476	down			chr9:74322255-74323767 (-) // 66.31 // q21.13
210830_s_at	-5.8902025	-2.5583172	5.8902025	down	<i>PON2</i>	5445	chr7:95034650-95064288 (-) // 99.73 // q21.3
206360_s_at	-5.8691006	-2.5531394	5.8691006	down	<i>SOCS3</i>	9021	chr17:76354432-76355282 (-) // 99.76 // q25.3
220454_s_at	-5.792728	-2.5342429	5.792728	down	<i>SEMA6A</i>	57556	chr5:115782196-115910504 (-) // 98.32 // q23.1
228783_at	-5.7768326	-2.5302787	5.7768326	down	<i>BVES</i>	11149	chr6:105544700-105546557 (-) // 98.2 // q21
213558_at	-5.758259	-2.5256326	5.758259	down	<i>PCLO</i>	27445	chr7:82449795-82546134 (-) // 99.12 // q21.11
202908_at	-5.7334394	-2.5194008	5.7334394	down	<i>WFS1</i>	7466	chr4:6271576-6304992 (+) // 99.89 // p16.1
219243_at	-5.7302065	-2.518587	5.7302065	down	<i>GIMAP4</i>	55303	chr7:150264495-150271040 (+) // 96.37 // q36.1
209823_x_at	-5.692781	-2.5091336	5.692781	down	<i>HLA-DQB1</i>	3119	chr6:32627941-32634457 (-) // 91.71 // p21.32
1559425_at	-5.688064	-2.5079377	5.688064	down			chr14:61807191-61810069 (+) // 67.71 // q23.1
210629_x_at	-5.669857	-2.5033123	5.669857	down	<i>LST1</i>	7940	chr6:31553977-31556587 (+) // 85.23 // p21.33
204621_s_at	-5.617165	-2.4898422	5.617165	down	<i>NR4A2</i>	4929	chr2:157180950-157189212 (-) // 98.27 // q24.1
222154_s_at	-5.601681	-2.4858599	5.601681	down	<i>SPATS2L</i>	26010	chr2:201171064-201343252 (+) // 98.04 // q33.1
225262_at	-5.592521	-2.4834988	5.592521	down	<i>FOSL2</i>	2355	chr2:28637668-28639558 (+) // 81.76 // p23.2
238660_at	-5.588322	-2.4824152	5.588322	down	<i>WDFY3</i>	23001	chr4:85729639-85730374 (-) // 89.18 // q21.23
239519_at	-5.569435	-2.477531	5.569435	down			chr10:33579295-33579764 (-) // 99.15 // p11.22
205128_x_at	-5.5626087	-2.4757617	5.5626087	down	<i>PTGS1</i>	5742	chr9:125133358-125155569 (+) // 99.84 // q33.2
1556950_s_at	-5.5597444	-2.4750185	5.5597444	down	<i>SERPINB6</i>	5269	chr6:2966567-2968803 (-) // 19.64 // p25.2
230389_at	-5.545122	-2.4712193	5.545122	down	<i>FNBP1</i>	23048	chr9:132681292-132682080 (-) // 96.68 // q34.11
202932_at	-5.4685507	-2.4511585	5.4685507	down	<i>YES1</i>	7525	chr18:721746-812542 (-) // 92.32 // p11.32
209723_at	-5.440756	-2.4438071	5.440756	down	<i>SERPINB9</i>	5272	chr6:2887505-2903507 (-) // 57.09 // p25.2
209722_s_at	-5.3578787	-2.4216619	5.3578787	down	<i>SERPINB9</i>	5272	chr6:2890245-2903527 (-) // 100.0 // p25.2
209676_at	-5.3561807	-2.4212046	5.3561807	down	<i>TFPI</i>	7035	chr2:188331284-188419050 (-) // 99.02 // q32.1
243716_at	-5.3554955	-2.42102	5.3554955	down			chr7:130793390-130794098 (+) // 72.83 // q32.3
218966_at	-5.3511987	-2.419862	5.3511987	down	<i>MYO5C</i>	55930	chr15:52484521-52587852 (-) // 94.36 // q21.2
209543_s_at	-5.346144	-2.4184988	5.346144	down	<i>CD34</i>	947	chr1:208059883-208084683 (-) // 99.92 // q32.2
224774_s_at	-5.330096	-2.4141614	5.330096	down	<i>NAV1</i>	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
215633_x_at	-5.219497	-2.383911	5.219497	down	<i>LST1</i>	7940	chr6:31553991-31556533 (+) // 68.09 // p21.33
201811_x_at	-5.2191696	-2.3838203	5.2191696	down	<i>SH3BP5</i>	9467	chr3:15296363-15373888 (-) // 95.02 // p25.1
224770_s_at	-5.2090106	-2.3810093	5.2090106	down	<i>NAV1</i>	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
235106_at	-5.1579146	-2.366788	5.1579146	down	<i>MAML2</i>	84441	chr11:95711403-95724879 (-) // 99.8 // q21
1555691_a_at	-5.1331186	-2.3598356	5.1331186	down	<i>KLRC4-KLRC1//KLRC1</i>	22914//100528032	chr12:10525783-10544473 (-) // 100.0 // p13.2
221757_at	-5.1310716	-2.35926	5.1310716	down	<i>PIK3IP1</i>	113791	chr22:31677578-31688465 (-) // 92.96 // q12.2
208092_s_at	-5.0845594	-2.3461227	5.0845594	down	<i>FAM49A</i>	81553	chr2:16733900-16805288 (-) // 95.31 // p24.2
213952_s_at	-5.048147	-2.335754	5.048147	down	<i>ALOX5</i>	240	chr10:45939672-45941400 (-) // 99.61 // q11.21
230161_at	-5.026934	-2.3296788	5.026934	down			chrX:2652753-2653637 (+) // 81.49 // p22.33//chrY:2602753-2603637 (+) // 81.49 // p11.31

208303_s_at	-5.0150595	-2.3262668	5.0150595	down	<i>CRLF2</i>	64109	chrX:765305-1331616 (-) // 36.46 // p22.33//chrY:1264893-1281616 (-) // 36.46 // p11.32
239272_at	-4.973444	-2.3142452	4.973444	down	<i>MMP28</i>	79148	chr17:34105508-34106012 (-) // 95.64 // q12
206127_at	-4.9130945	-2.296632	4.9130945	down	<i>ELK3</i>	2004	chr12:96588206-96661055 (+) // 99.31 // q23.1
1559072_a_at	-4.8711104	-2.2842507	4.8711104	down	<i>ELFN2</i>	114794	chr22:37763999-37771579 (-) // 93.56 // q13.1
211656_x_at	-4.83879	-2.2746463	4.83879	down	<i>HLA-DQB1</i>	3119	chr6:32627663-32634352 (-) // 92.03 // p21.32
205821_at	-4.8059673	-2.2648268	4.8059673	down	<i>KLRC4-KLKK1//KLKK1</i>	22914//100528032	chr12:10524952-10560365 (-) // 58.64 // p13.2
225009_at	-4.802741	-2.263858	4.802741	down	<i>CMTM4</i>	146223	chr16:66648653-66652270 (-) // 98.2 // q21
224773_at	-4.8020864	-2.2636614	4.8020864	down	<i>NAV1</i>	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
218418_s_at	-4.782939	-2.2578974	4.782939	down	<i>KANK2</i>	25959	chr19:11274946-11276906 (-) // 82.5 // p13.2
228188_at	-4.78163	-2.2575026	4.78163	down	<i>FOSL2</i>	2355	chr2:28637749-28640177 (+) // 91.09 // p23.2
231817_at	-4.705581	-2.2343729	4.705581	down	<i>USP53</i>	54532	chr4:120177594-120215955 (+) // 98.5 // q26
230086_at	-4.6923	-2.2302952	4.6923	down	<i>FNBP1</i>	23048	chr9:132686003-132687158 (-) // 94.46 // q34.11
204222_s_at	-4.656609	-2.2192798	4.656609	down	<i>GLIPRI</i>	11010	chr12:75874533-75892891 (+) // 99.72 // q21.2
210665_at	-4.6097655	-2.2046933	4.6097655	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
202073_at	-4.5993824	-2.20144	4.5993824	down	<i>OPTN</i>	10133	chr10:13142209-13180308 (+) // 85.94 // p13
242520_s_at	-4.5981665	-2.2010586	4.5981665	down	<i>C1orf228</i>	339541	chr1:45166317-45190052 (+) // 99.46 // p34.1
201601_x_at	-4.5727143	-2.1930509	4.5727143	down	<i>IFITM1//IFITM2</i>	8519//10581	chr11:314061-315272 (+) // 98.92 // p15.5
206864_s_at	-4.5629864	-2.1899784	4.5629864	down	<i>HRK</i>	8739	chr12:117299027-117319232 (-) // 75.84 // q24.22
215146_s_at	-4.5260444	-2.1782508	4.5260444	down	<i>TTC28</i>	23331	chr22:28377255-28501665 (-) // 99.76 // q12.1
236199_at	-4.488418	-2.166207	4.488418	down			chr10:45925406-45926079 (+) // 40.86 // q11.21
204192_at	-4.4701414	-2.1603205	4.4701414	down	<i>CD37</i>	951	chr19:49838734-49843801 (+) // 99.47 // q13.33
201279_s_at	-4.4686894	-2.1598518	4.4686894	down	<i>DAB2</i>	1601	chr5:39373297-39424931 (-) // 98.96 // p13.1
209683_at	-4.463315	-2.1581156	4.463315	down	<i>FAM49A</i>	81553	chr2:16731119-16805288 (-) // 89.02 // p24.2
1554625_at	-4.460684	-2.157265	4.460684	down	<i>BCL6B</i>	255877	chr17:6926844-6931370 (+) // 97.59 // p13.1
1553297_a_at	-4.4572206	-2.1561444	4.4572206	down	<i>CSF3R</i>	1441	chr1:36931643-36948509 (-) // 97.68 // p34.3
241371_at	-4.434574	-2.1487956	4.434574	down	<i>TNFRSF10A</i>	8797	chr8:23047968-23048455 (-) // 27.98 // p21.3
221696_s_at	-4.4334846	-2.148441	4.4334846	down	<i>STYKI</i>	55359	chr12:10771781-10826891 (-) // 98.11 // p13.2
241812_at	-4.405997	-2.1394684	4.405997	down	<i>SPATS2L</i>	26010	chr2:201341599-201342246 (+) // 40.46 // q33.1
219256_s_at	-4.395514	-2.1360319	4.395514	down	<i>SH3TC1</i>	54436	chr4:8216248-8242828 (+) // 99.28 // p16.1
212671_s_at	-4.387166	-2.1332893	4.387166	down	<i>HLA-DQA1//HLA-DQA2</i>	3117//3118	chr6:32605133-32611457 (+) // 95.34 // p21.32
219753_at	-4.3123927	-2.1084886	4.3123927	down	<i>STAG3</i>	10734	chr7:99775346-99812003 (+) // 99.21 // q22.1
230866_at	-4.30847	-2.1071756	4.30847	down	<i>CYSLTR1</i>	10800	chrX:77526970-77527698 (-) // 94.96 // q21.1
238669_at	-4.299225	-2.1040766	4.299225	down	<i>PTGS1</i>	5742	chr9:125157277-125158088 (+) // 23.12 // q33.2
224771_at	-4.296112	-2.1030316	4.296112	down	<i>NAV1</i>	89796	chr1:201755568-201794455 (+) // 95.64 // q32.1
212762_s_at	-4.290051	-2.1009948	4.290051	down	<i>TCF7L2</i>	6934	chr10:114710142-114927433 (+) // 97.22 // q25.2
226733_at	-4.286671	-2.0998578	4.286671	down	<i>PFKFB2</i>	5208	chr1:207249862-207251161 (+) // 98.33 // q32.2
232512_at	-4.2801404	-2.0976582	4.2801404	down			chr2:165944037-165950976 (+) // 98.66 // q24.3
214156_at	-4.26487	-2.0925019	4.26487	down	<i>MYRIP</i>	25924	chr3:40285936-40301809 (+) // 91.64 // p22.1
211644_x_at	-4.256625	-2.08971	4.256625	down	<i>IGKC</i>	3514	chr2:89160396-89442344 (-) // 97.55 // p11.2
207610_s_at	-4.2334247	-2.0818253	4.2334247	down	<i>ADGRE2</i>	30817	chr19:14846368-14887637 (-) // 97.52 // p13.12
202853_s_at	-4.208186	-2.0731986	4.208186	down	<i>RYK</i>	6259	chr3:133875977-133969590 (-) // 89.84 // q22.2
213058_at	-4.1761656	-2.0621789	4.1761656	down	<i>TTC28</i>	23331	chr22:28374003-28386064 (-) // 91.41 // q12.1
213258_at	-4.163129	-2.0576682	4.163129	down	<i>TFPI</i>	7035	chr2:188328956-188330208 (-) // 77.08 // q32.1
1562468_at	-4.145132	-2.051418	4.145132	down			chr3:190252077-190254598 (-) // 73.32 // q28
217183_at	-4.1372476	-2.0486712	4.1372476	down	<i>SPC24</i>	147841	chr19:11238683-11242201 (-) // 99.63 // p13.2
1566734_at	-4.077466	-2.0276728	4.077466	down	<i>LOC283454</i>	283454	chr12:117293949-117295968 (+) // 57.16 // q24.22
201810_s_at	-4.000648	-2.0002337	4.000648	down	<i>SH3BP5</i>	9467	chr3:15296359-15374066 (-) // 92.33 // p25.1
213755_s_at	-3.9932268	-1.997555	3.9932268	down	<i>MORNI</i>	79906	chr1:2238618-2239117 (-) // 100.0 // p36.33
216633_s_at	-3.9921677	-1.9971724	3.9921677	down	<i>PLCH1</i>	23007	chr3:155093368-155267730 (-) // 99.95 // q25.31
220566_at	-3.9718604	-1.9898149	3.9718604	down	<i>PIK3R5</i>	23533	chr17:8783412-8814834 (-) // 96.25 // p13.1
225949_at	-3.959516	-1.9853241	3.959516	down	<i>NRBP2</i>	340371	chr8:144915754-144923125 (-) // 70.08 // q24.3
211654_x_at	-3.9445205	-1.9798499	3.9445205	down	<i>HLA-DQB1</i>	3119	chr6:32627773-32634352 (-) // 96.37 // p21.32
224793_s_at	-3.924779	-1.9726114	3.924779	down	<i>TGFBR1</i>	7046	chr9:101912527-101915931 (+) // 94.86 // q22.33
224733_at	-3.8922658	-1.9606103	3.8922658	down	<i>CMTM3</i>	123920	chr16:66638347-66647790 (+) // 90.96 // q21

218045_x_at	-3.88778	-1.9589466	3.88778	down	<i>PTMS</i>	5763	chr12:6875562-6880114 (+) // 78.72 // p13.31
206636_at	-3.8820722	-1.9568269	3.8820722	down	<i>RASA2</i>	5922	chr3:141205925-141331197 (+) // 97.84 // q23
205290_s_at	-3.8776474	-1.9551816	3.8776474	down	<i>BMP2</i>	650	chr20:6749206-6759769 (+) // 98.77 // p12.3
51158_at	-3.8683078	-1.9517026	3.8683078	down	<i>FAM174B</i>	400451	chr15:93160677-93161316 (-) // 96.23 // q26.1
2205648_at	-3.8575444	-1.9476827	3.8575444	down			chr11:33894740-33896541 (-) // 86.74 // p13
242051_at	-3.8468883	-1.943692	3.8468883	down			chrX:2663762-2664372 (+) // 50.63 //
238366_at	-3.8416507	-1.9417263	3.8416507	down	<i>C1orf228</i>	339541	p22.33//chrY:2613762-2614372 (+) // 84.49 // p11.31
224772_at	-3.8371098	-1.9400201	3.8371098	down	<i>NAV1</i>	89796	chr1:45190044-45191261 (-) // 95.62 // p34.1
224925_at	-3.8369517	-1.9399606	3.8369517	down	<i>PREX1</i>	57580	chr1:201755568-201794455 (+) // 95.64 // q32.1
218854_at	-3.806646	-1.9285204	3.806646	down	<i>DSE</i>	29940	chr20:47240786-47444285 (-) // 98.53 // q13.13
206337_at	-3.768635	-1.9140421	3.768635	down	<i>CCR7</i>	1236	chr6:116692188-116759440 (+) // 97.62 // q22.1
238032_at	-3.7216127	-1.8959279	3.7216127	down			chr17:38710054-38721724 (-) // 99.77 // q21.2
238367_s_at	-3.7121487	-1.8922545	3.7121487	down	<i>C1orf228</i>	339541	chr1:12674727-12675378 (-) // 95.8 // p36.22
212974_at	-3.7081497	-1.8906995	3.7081497	down	<i>DENND3</i>	22898	chr1:45190044-45191261 (-) // 95.62 // p34.1
211102_s_at	-3.7050695	-1.8895006	3.7050695	down	<i>LILRA2</i>	11027	chr8:142146605-142205903 (+) // 98.8 // q24.3
227321_at	-3.7023792	-1.8884526	3.7023792	down	<i>GATS</i>	352954	chr19:55085345-55098862 (+) // 99.85 // q13.42
217378_x_at	-3.7006233	-1.8877683	3.7006233	down	<i>IGKV1OR2-108</i>	28862	chr7:99798282-99798880 (-) // 96.75 // q22.1
218113_at	-3.6939929	-1.8851811	3.6939929	down	<i>TMEM2</i>	23670	chr2:114164151-114164447 (+) // 100.0 // q13
210993_s_at	-3.6925728	-1.8846264	3.6925728	down	<i>SMAD1</i>	4086	chr9:74298282-74383408 (-) // 98.39 // q21.13
230775_s_at	-3.6870947	-1.8824844	3.6870947	down	<i>SPG20</i>	23111	chr4:146403956-146479106 (+) // 99.94 // q31.21
1554486_a_at	-3.671263	-1.8762765	3.671263	down	<i>GFOD1</i>	54438	chr13:36909514-36920419 (+) // 100.0 // q13.3
1559716_at	-3.6470973	-1.8667487	3.6470973	down	<i>INO80C</i>	125476	chr6:13469510-13486978 (-) // 68.4 // p23
211101_x_at	-3.640635	-1.8641901	3.640635	down	<i>LILRA2</i>	11027	chr19:55085307-55098862 (+) // 99.86 // q13.42
1555486_a_at	-3.6212757	-1.856498	3.6212757	down	<i>PRR5L</i>	79899	chr11:36476838-36485223 (+) // 96.81 // p12
203006_at	-3.608547	-1.851418	3.608547	down	<i>INPP5A</i>	3632	chr10:134351646-134596979 (+) // 96.36 // q26.3
223162_s_at	-3.6053164	-1.8501259	3.6053164	down	<i>KIAA1147</i>	57189	chr7:141356529-141357648 (-) // 98.42 // q34
240081_at	-3.6025212	-1.8490069	3.6025212	down			chr15:52495943-52496471 (-) // 65.34 // q21.2
241916_at	-3.59977	-1.8479048	3.59977	down			chr3:146256492-146257226 (-) // 28.17 // q24
237187_at	-3.585705	-1.8422568	3.585705	down	<i>HRK</i>	8739	chr12:117297456-117297924 (-) // 96.88 // q24.22
203320_at	-3.5799592	-1.8399432	3.5799592	down	<i>SH2B3</i>	10019	chr12:111843751-111889426 (+) // 91.76 // q24.12
239111_at	-3.5525737	-1.8288646	3.5525737	down	<i>PRDM8</i>	56978	chr4:81124401-81124892 (-) // 87.17 // q21.21
232549_at	-3.5513742	-1.8283774	3.5513742	down	<i>RBM11</i>	54033	chr21:15588386-15600153 (+) // 96.45 // q11.2
201906_s_at	-3.5483286	-1.8271396	3.5483286	down	<i>CTDSPL</i>	10217	chr3:37903124-38025959 (+) // 93.6 // p22.2
212590_at	-3.5423834	-1.8247204	3.5423834	down	<i>RRAS2</i>	22800	chr11:14299467-14317406 (-) // 92.78 // p15.2
244764_at	-3.5404723	-1.8239418	3.5404723	down	<i>HIVEP3</i>	59269	chr1:42312859-42313754 (-) // 54.35 // p34.2
201028_s_at	-3.5325713	-1.8207186	3.5325713	down	<i>CD99</i>	4267	chrX:2609401-2658845 (+) // 99.65 //
216495_x_at	-3.5254061	-1.8177894	3.5254061	down			p22.33//chrY:2559401-2606297 (+) // 95.11 // p11.31
204268_at	-3.5039406	-1.8089783	3.5039406	down	<i>SI00A2</i>	6273	chr22:22764345-22764606 (-) // 89.01 // q11.22
201876_at	-3.493084	-1.8045013	3.493084	down	<i>PON2</i>	5445	chr1:153533820-153536381 (-) // 96.26 // q21.3
207857_at	-3.4648125	-1.7927773	3.4648125	down	<i>LILRA2</i>	11027	chr7:95034174-95064295 (-) // 97.69 // q21.3
1556037_s_at	-3.4646716	-1.7927186	3.4646716	down	<i>HHIP</i>	64399	chr19:55085258-55099021 (+) // 99.88 // q13.42
1559477_s_at	-3.4516013	-1.7872658	3.4516013	down	<i>MEIS1</i>	4211	chr4:145569331-145606824 (+) // 94.97 // q31.21
229832_x_at	-3.4364023	-1.7808989	3.4364023	down	<i>SH3TC1</i>	54436	chr2:66662516-66798905 (+) // 98.16 // p14
231775_at	-3.4308097	-1.7785491	3.4308097	down	<i>TNFRSF10A</i>	8797	chr4:8242463-8242814 (-) // 99.72 // p16.1
224764_at	-3.4168272	-1.7726573	3.4168272	down	<i>ARHGAP21</i>	57584	chr8:23048579-23082629 (-) // 78.95 // p21.3
207375_s_at	-3.4050486	-1.7676754	3.4050486	down	<i>IL15RA</i>	3601	chr10:24872544-24909099 (-) // 97.91 //
217173_s_at	-3.3985333	-1.7649122	3.3985333	down	<i>LDLR</i>	3949	p12.1//chr6:80773214-80778149 (-) // 96.15 // q14.1
235175_at	-3.3968918	-1.7642152	3.3968918	down	<i>GBP4</i>	115361	chr10:5994333-6019537 (-) // 98.57 // p15.1
207339_s_at	-3.392385	-1.7622999	3.392385	down	<i>LTB</i>	4050	chr19:11238683-11242201 (+) // 99.63 // p13.2
213618_at	-3.3794165	-1.7567742	3.3794165	down	<i>ARAP2</i>	515361	chr1:89646846-89648115 (-) // 28.95 // p22.2
229450_at	-3.3725681	-1.7538476	3.3725681	down	<i>IFIT3</i>	4050	chr6:31548334-31550202 (-) // 96.76 // p21.33
212759_s_at	-3.3637884	-1.7500869	3.3637884	down	<i>TCF7L2</i>	116984	chr4:36067625-36166729 (-) // 97.81 // p14
211100_x_at	-3.362229	-1.749418	3.362229	down	<i>LILRA2</i>	3437	chr10:91100175-91100725 (+) // 70.92 // q23.31
201565_s_at	-3.359007	-1.7480347	3.359007	down	<i>ID2</i>	6934	chr10:114710142-114927433 (+) // 97.22 // q25.2
						11027	chr19:55085345-55098862 (+) // 99.87 // q13.42
						3398	chr2:8822185-8823934 (+) // 99.38 // p25.1

204069_at	-3.3354297	-1.7378726	3.3354297	down	<i>MEIS1</i>	4211	chr2:66662923-66799613 (+) // 98.33 // p14
203217_s at	-3.3034937	-1.7239926	3.3034937	down	<i>ST3GAL5</i>	8869	chr2:86066273-86116137 (-) // 97.46 // p11.2
224909_s at	-3.3030283	-1.7237893	3.3030283	down	<i>PREX1</i>	57580	chr20:47240786-47444285 (-) // 98.53 // q13.13
210140_at	-3.3029203	-1.7237421	3.3029203	down	<i>CST7</i>	8530	chr20:24929926-24940562 (+) // 100.0 // p11.21
1554701_a at	-3.2953641	-1.7204379	3.2953641	down	<i>TBC1D16</i>	125058	chr17:77913820-77987409 (-) // 96.94 // q25.3
235574_at	-3.294499	-1.720059	3.294499	down	<i>GBP4</i>	115361	chr1:89650779-89655990 (-) // 99.83 // p22.2
243343_at	-3.246433	-1.6988554	3.246433	down	<i>RASL10A</i>	10633	chr22:29712730-29713196 (-) // 71.18 // q12.2
237483_at	-3.2454178	-1.6984042	3.2454178	down			chr12:19404356-19404673 (+) // 9.85 // p12.3
244357_at	-3.2215748	-1.6877661	3.2215748	down			chr1:40855741-40856330 (+) // 92.9 // p34.2
239305_at	-3.2203636	-1.6872236	3.2203636	down			chr17:80535898-80536757 (+) // 97.91 // q25.3
239104_at	-3.218169	-1.6862401	3.218169	down	<i>LOC439933</i>	439933	chr4:36230958-36245979 (+) // 95.33 // p14
1556201_at	-3.183173	-1.6704656	3.183173	down	<i>RNASET2</i>	8635	chr6:167351487-167370073 (-) // 95.03 // q27
239988_at	-3.171423	-1.6651303	3.171423	down	<i>LOC102723458</i>	102723458	chr4:89336532-89337004 (-) // 23.94 // q22.1
227534_at	-3.1667192	-1.6629889	3.1667192	down	<i>AAED1</i>	195827	chr9:99403536-99417473 (-) // 78.46 // q22.33
213541_s at	-3.1581924	-1.6590991	3.1581924	down	<i>ERG</i>	2078	chr21:39753379-39754939 (-) // 94.4 // q22.2
229228_at	-3.1494563	-1.6551027	3.1494563	down	<i>CREB5</i>	9586	chr7:28865040-28865508 (+) // 95.12 // p14.3
223161_at	-3.1285331	-1.6454864	3.1285331	down	<i>KIAA1147</i>	57189	chr7:141356529-141365120 (-) // 96.39 // q34
221105_at	-3.1165764	-1.6399621	3.1165764	down			chr8:134537860-134540252 (+) // 48.06 // q24.22
203434_s at	-3.1115398	-1.6376287	3.1115398	down	<i>MME</i>	4311	chr3:154797633-154901492 (+) // 88.06 // q25.2
221978_at	-3.093797	-1.6293786	3.093797	down	<i>HLA-F</i>	3134	chr6:29693711-29694301 (+) // 91.49 // p22.1
233567_at	-3.0895252	-1.6273851	3.0895252	down	<i>IPO9-AS1</i>	100873949	chr1:201780629-201789881 (-) // 99.11 // q32.1
239673_at	-3.085658	-1.6255782	3.085658	down			chr4:149340069-149340662 (-) // 99.83 // q31.23
224140_at	-3.0740852	-1.6201571	3.0740852	down	<i>NPCDR1</i>	246734	chr3:59956577-59958982 (-) // 86.08 // p14.2
218627_at	-3.065755	-1.6162424	3.065755	down	<i>DRAM1</i>	55332	chr12:102295100-102317389 (+) // 83.39 // q23.2
227957_at	-3.0476532	-1.6076988	3.0476532	down	<i>GSN</i>	2934	chr9:124065217-124080774 (-) // 97.14 // q33.2
241926_s at	-3.0383513	-1.6032887	3.0383513	down	<i>ERG</i>	2078	chr21:39754722-39755345 (-) // 99.52 // q22.2
201029_s at	-3.0371244	-1.602706	3.0371244	down	<i>CD99</i>	4267	chrY:2559279-2609274 (+) // 99.19 //
212589_at	-3.030091	-1.5993612	3.030091	down	<i>RRAS2</i>	22800	p11.31//chrX:2609279-2659274 (+) // 99.19 // p22.33
203435_s at	-3.0295782	-1.5991169	3.0295782	down	<i>MME</i>	4311	chr1:14299467-14317406 (-) // 92.78 // p15.2
211626_x at	-3.0250309	-1.5969498	3.0250309	down	<i>ERG</i>	2078	chr3:154797633-154901492 (+) // 88.53 // q25.2
210514_x at	-3.0179453	-1.5935667	3.0179453	down	<i>HLA-G</i>	3135	chr21:39753491-39956824 (-) // 97.18 // q22.2
226018_at	-3.0105503	-1.5900272	3.0105503	down	<i>MTURN</i>	222166	chr6:29795597-29798557 (+) // 99.45 // p22.1
205120_s at	-3.0054255	-1.5875692	3.0054255	down	<i>SGCB</i>	6443	chr7:30201359-30202378 (+) // 90.74 // p14.3
223723_at	-3.003803	-1.5867902	3.003803	down	<i>MFI2</i>	4241	chr4:52889863-52899808 (-) // 97.45 // q12
1563392_at	-2.9746187	-1.5727048	2.9746187	down			chr3:196745824-196756642 (-) // 91.17 // q29
236489_at	-2.9586275	-1.564928	2.9586275	down	<i>ADGRF1</i>	266977	chr21:39770903-39771325 (-) // 96.54 // q22.2
212820_at	-2.9266016	-1.5492264	2.9266016	down	<i>DMXL2</i>	23312	chr6:46965446-46965904 (-) // 76.46 // p12.3
202510_s at	-2.907954	-1.5400045	2.907954	down	<i>TNFAIP2</i>	7127	chr15:51739907-51773473 (-) // 98.88 // q21.2
229622_at	-2.9033132	-1.5377002	2.9033132	down	<i>FAM132B//HMGAI</i>	3159//151176	chr14:103592663-103603776 (+) // 75.19 // q32.32
214961_at	-2.8988354	-1.5354735	2.8988354	down	<i>MTUS2</i>	23281	chr2:239077038-239077515 (+) // 76.89 // q37.3
1555349_a at	-2.8980155	-1.5350653	2.8980155	down	<i>ITGB2</i>	3689	chr13:29599450-30077877 (+) // 99.68 // q12.3
203146_s at	-2.8975403	-1.5348288	2.8975403	down	<i>GABBR1</i>	2550	chr21:46306272-46340784 (-) // 99.68 // q22.3
202087_s at	-2.89569	-1.5339072	2.89569	down	<i>CTSL</i>	1514	chr6:29570005-29600860 (-) // 95.91 // p22.1
202910_s at	-2.8851957	-1.5286692	2.8851957	down	<i>ADGRE5</i>	976	chr9:90341033-90346307 (+) // 100.0 // q21.33
1568795_at	-2.884064	-1.5281031	2.884064	down	<i>LOC105373495</i>	105373495	chr19:14492265-14519533 (+) // 99.18 // p13.12
211991_s at	-2.8744123	-1.523267	2.8744123	down	<i>HLA-DPA1</i>	3113	chr2:96986189-96987644 (-) // 85.53 // q11.2
235777_at	-2.8584108	-1.5152133	2.8584108	down	<i>ANKRD44</i>	91526	chr6:33032790-33048537 (-) // 94.19 // p21.32
223670_s at	-2.8524928	-1.5122232	2.8524928	down	<i>HEMGN</i>	55363	chr2:197964193-197986168 (-) // 96.48 // q33.1
204698_at	-2.8497071	-1.5108137	2.8497071	down	<i>ISG20</i>	3669	chr9:100689633-100707103 (-) // 98.64 // q22.33
243107_at	-2.8480735	-1.5099864	2.8480735	down	<i>CCR7</i>	1236	chr15:89182582-89198880 (+) // 99.85 // q26.1
228303_at	-2.847806	-1.5098509	2.847806	down	<i>GALNT6</i>	11226	chr17:38716173-38716644 (-) // 100.0 // q21.2
208456_s at	-2.8413353	-1.5065691	2.8413353	down	<i>RRAS2</i>	22800	chr12:51745656-51746252 (-) // 73.65 // q13.13
243825_at	-2.8336382	-1.5026555	2.8336382	down	<i>BCL6B</i>	255877	chr11:14300882-14380416 (-) // 100.0 // p15.2
206313_at	-2.8277838	-1.4996718	2.8277838	down	<i>HLA-DOA</i>	3111	chr17:6933190-6933610 (+) // 75.41 // p13.1
236632_at	-2.820477	-1.4959391	2.820477	down	<i>HHIP-AS1</i>	646576	chr6:32974337-32977389 (-) // 100.0 // p21.32
1563335_at	-2.8129838	-1.4921012	2.8129838	down	<i>IRGM</i>	345611	chr4:145564072-145564751 (-) // 72.65 // q31.21
							chr5:150228058-150280295 (+) // 77.33 // q33.1

226207_at	-2.8108132	-1.4909875	2.8108132	down	<i>RILPL1</i>	353116	chr12:123956368-124018000 (-) // 98.23 // q24.31
91682_at	-2.7935972	-1.4821241	2.7935972	down	<i>EXOSC4</i>	54512	chr8:145133638-145134165 (+) // 79.32 // q24.3
206492_at	-2.7846255	-1.4774833	2.7846255	down	<i>FHIT</i>	2272	chr3:59737946-61237124 (-) // 69.41 // p14.2
227824_at	-2.7813113	-1.4757652	2.7813113	down	<i>PRKCB</i>	5579	chr16:24227376-24229801 (+) // 86.27 // p12.1
208637_x_at	-2.7739146	-1.4719234	2.7739146	down	<i>ACTN1</i>	87	chr14:69341398-69446010 (-) // 97.92 // q24.1
40562_at	-2.7727895	-1.471338	2.7727895	down	<i>GNA11</i>	2767	chr19:3094529-3121733 (+) // 78.16 // p13.3
212975_at	-2.771722	-1.4707826	2.771722	down	<i>DENND3</i>	22898	chr8:142146605-142205903 (+) // 98.8 // q24.3
207957_s_at	-2.7564704	-1.4628221	2.7564704	down	<i>PRKCB</i>	5579	chr16:23847359-24231850 (+) // 95.49 // p12.2
231431_s_at	-2.7518084	-1.4603801	2.7518084	down	<i>INAFM2</i>	100505573	chr15:40617344-40618914 (+) // 97.65 // q15.1
239844_x_at	-2.7490377	-1.4589267	2.7490377	down	<i>Clorf228</i>	339541	chr1:45190044-45191014 (-) // 96.81 // p34.1
233831_at	-2.7328951	-1.4504302	2.7328951	down	<i>LOC100291666</i>	100291666	chr15:100037699-100038580 (-) // 63.45 // q26.3
222079_at	-2.7259436	-1.4467556	2.7259436	down	<i>ERG</i>	2078	chr21:39751948-39752430 (-) // 98.57 // q22.2
209458_x_at	-2.7229247	-1.445157	2.7229247	down	<i>HBA1//HBA2</i>	3039//3040	chr16:226694-227448 (+) // 100.0 // p13.3//chr16:222890-223613 (+) // 95.08 // p13.3
219956_at	-2.7130644	-1.4399233	2.7130644	down	<i>GALNT6</i>	11226	chr12:51747167-51773565 (-) // 78.24 // q13.13
241849_at	-2.711428	-1.4390528	2.711428	down			chr5:149787316-149788164 (-) // 65.15 // q32
226939_at	-2.6988118	-1.4323244	2.6988118	down	<i>CPEB2</i>	132864	chr4:15069523-15071775 (+) // 94.52 // p15.33
1558338_at	-2.662628	-1.4128509	2.662628	down	<i>SEMA6A</i>	57556	chr5:115822028-115823231 (+) // 79.28 // q23.1
244676_s_at	-2.6624792	-1.4127703	2.6624792	down	<i>MTUS2</i>	23281	chr13:30079606-30080074 (+) // 91.76 // q12.3
1563209_a_at	-2.661525	-1.4122531	2.661525	down	<i>MACROD2</i>	140733	chr20:15967370-16030686 (+) // 70.38 // p12.1
244367_at	-2.6604517	-1.4116712	2.6604517	down			chr11:33893152-33894633 (-) // 56.32 // p13
228258_at	-2.6432335	-1.4023039	2.6432335	down	<i>TBC1D10C</i>	374403	chr11:67176576-67177559 (+) // 98.34 // q13.2
207788_s_at	-2.6378727	-1.399375	2.6378727	down	<i>SORBS3</i>	10174	chr8:22423190-22432263 (+) // 96.41 // p21.3
235479_at	-2.6356015	-1.3981322	2.6356015	down	<i>CPEB2</i>	132864	chr4:15018817-15068250 (+) // 97.94 // p15.33
228585_at	-2.620536	-1.389862	2.620536	down	<i>ENTPD1</i>	953	chr10:97636304-97637022 (+) // 82.67 // q24.1
230437_s_at	-2.6178784	-1.388398	2.6178784	down	<i>PRKCB</i>	5579	chr16:24046814-24185901 (-) // 96.64 // p12.2
205419_at	-2.5790114	-1.3668182	2.5790114	down	<i>GPR183</i>	1880	chr13:99946795-99948417 (-) // 96.96 // q32.3
239803_at	-2.5785437	-1.3665565	2.5785437	down			
222693_at	-2.5779312	-1.3662137	2.5779312	down	<i>FNDC3B</i>	64778	chr3:172052787-172116573 (+) // 92.02 // q26.31
223693_s_at	-2.5710037	-1.3623316	2.5710037	down	<i>RADIL</i>	55698	chr7:4838813-4856985 (-) // 97.94 // p22.1
207643_s_at	-2.5647802	-1.3588352	2.5647802	down	<i>TNFRSF1A</i>	7132	chr12:6437939-6451149 (-) // 88.57 // p13.31
216364_s_at	-2.5579848	-1.3550076	2.5579848	down	<i>AF2</i>	2334	chrX:147582617-148072862 (+) // 96.67 // q28
204747_at	-2.5509686	-1.3510451	2.5509686	down	<i>IFIT3</i>	3437	chr10:91087769-91100272 (+) // 87.39 // q23.31
213817_at	-2.541568	-1.3457189	2.541568	down	<i>IRAK3</i>	11213	chr12:66645118-66648392 (+) // 64.94 // q14.3
205660_at	-2.5346568	-1.3417904	2.5346568	down	<i>OASL</i>	8638	chr12:121458094-121476780 (-) // 92.09 // q24.31
217478_s_at	-2.5266657	-1.3372347	2.5266657	down	<i>HLA-DMA</i>	3108	chr6:32916407-32920314 (-) // 99.7 // p21.32
203882_at	-2.5218928	-1.334507	2.5218928	down	<i>IRF9</i>	10379	chr14:24631349-24635772 (+) // 96.53 // q12
243629_x_at	-2.5185235	-1.3325782	2.5185235	down	<i>MF12-AS1</i>	100507057	chr3:196730658-196731609 (+) // 93.65 // q29
239814_at	-2.5119135	-1.3287868	2.5119135	down	<i>LOC100506860</i>	100506860	chr7:130606292-130606704 (+) // 83.57 // q32.3
212148_at	-2.4995916	-1.3216923	2.4995916	down	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
211745_x_at	-2.4937801	-1.3183343	2.4937801	down	<i>HBA1//HBA2</i>	3039//3040	chr16:226678-227521 (+) // 91.15 // p13.3
232009_at	-2.4937046	-1.3182906	2.4937046	down	<i>ADGRE2</i>	30817	chr19:14843204-14876384 (-) // 50.65 // p13.12
236226_at	-2.488143	-1.3150693	2.488143	down	<i>BTLA</i>	151888	chr3:112184772-112185231 (-) // 98.28 // q13.2
216236_s_at	-2.4863868	-1.3140507	2.4863868	down	<i>SLC2A14//SLC2A3</i>	6515//144195	chr12:7966124-8025847 (-) // 96.89 // p13.31
235278_at	-2.471494	-1.3053833	2.471494	down	<i>MACROD2</i>	140733	chr20:16032536-16033842 (+) // 94.09 // p12.1
238107_at	-2.4475036	-1.2913109	2.4475036	down			chr7:5465598-5466031 (+) // 97.09 // p22.1
211699_x_at	-2.4380121	-1.2857053	2.4380121	down	<i>HBA1//HBA2</i>	3039//3040	chr16:226690-227447 (+) // 99.59 // p13.3//chr16:222886-223613 (+) // 95.11 // p13.3
225631_at	-2.43796	-1.2856745	2.43796	down	<i>EEDP1</i>	80820	chr7:36192852-36341146 (+) // 92.1 // p14.2
229623_at	-2.4291697	-1.2804632	2.4291697	down	<i>TMEM150C</i>	441027	chr4:83403975-83404959 (-) // 57.14 // q21.22
205180_s_at	-2.4277356	-1.2796113	2.4277356	down	<i>ADAMS</i>	101	chr10:135075906-135090330 (-) // 99.63 // q26.3
218831_s_at	-2.4220273	-1.2762152	2.4220273	down	<i>FCGRT</i>	2217	chr19:50016537-50029588 (+) // 99.31 // q13.33
224657_at	-2.4194672	-1.2746893	2.4194672	down	<i>ERRF11</i>	54206	chr1:8071784-8086353 (-) // 98.88 // p36.23
220008_at	-2.4193044	-1.2745923	2.4193044	down	<i>PEAK1</i>	79834	chr15:77405132-77407654 (-) // 99.1 // q24.3
1552678_a_at	-2.4107037	-1.2694544	2.4107037	down	<i>USP28</i>	57646	chr11:113669577-113746250 (-) // 98.96 // q23.2
225913_at	-2.4054968	-1.2663349	2.4054968	down	<i>PEAK1</i>	79834	chr15:77400505-77402248 (-) // 96.95 // q24.3
37384_at	-2.402822	-1.2647299	2.402822	down	<i>PPM1F</i>	9647	chr22:22273799-22307209 (-) // 98.89 // q11.22

230260_s_at	-2.3996437	-1.2628201	2.3996437	down		chr3:16450929-16555158 (+) // 99.84 // p24.3
225929_s_at	-2.3955874	-1.2603794	2.3955874	down	<i>RNF213</i>	57674 chr17:78337500-78369112 (+) // 96.9 // q25.3
230000_at	-2.3922534	-1.2583702	2.3922534	down	<i>RNF213</i>	57674 chr17:78355533-78356112 (+) // 73.72 // q25.3
220712_at	-2.3722105	-1.246232	2.3722105	down		chr8:142180497-142183016 (+) // 89.64 // q24.3
205931_s_at	-2.3703284	-1.2450869	2.3703284	down	<i>CREB5</i>	9586 chr7:28475233-28859617 (+) // 92.63 // p15.1
235150_at	-2.3687706	-1.2441385	2.3687706	down	<i>SESN3</i>	143686 chr11:94901858-94902871 (-) // 96.61 // q21
235163_at	-2.3530822	-1.2345517	2.3530822	down	<i>MOB3A</i>	126308 chr19:2072604-2096293 (-) // 92.29 // p13.3
1559205_s_at	-2.3451378	-1.2296727	2.3451378	down	<i>LOC100996286</i>	100996286 chr4:153022139-153025872 (+) // 37.65 // q31.3
226865_at	-2.337849	-1.2251817	2.337849	down	<i>PLXDC2</i>	84898 chr10:20575769-20578025 (+) // 89.46 // p12.31
217436_x_at	-2.3355174	-1.2237422	2.3355174	down	<i>HLA-J</i>	3137 chr6:29974373-29977148 (+) // 99.55 // p22.1
222528_s_at	-2.330377	-1.2205634	2.330377	down	<i>SLC25A37</i>	51312 chr8:23386488-23429716 (+) // 95.47 // p21.2
227297_at	-2.3217661	-1.2152226	2.3217661	down	<i>ITGA9</i>	3680 chr3:37862525-37864996 (+) // 95.53 // p22.2
217531_at	-2.3117406	-1.2089796	2.3117406	down		chr3:32317138-32317651 (+) // 39.32 // p22.3
209717_at	-2.3002365	-1.2017821	2.3002365	down	<i>EV15</i>	7813 chr1:92974252-93257961 (-) // 81.11 // p22.1
203710_at	-2.3001616	-1.2017353	2.3001616	down	<i>ITPR1</i>	3708 chr3:4535135-4889081 (+) // 99.77 // p26.1
214367_at	-2.2988822	-1.2009326	2.2988822	down	<i>RASGRP2</i>	10235 chr11:64508337-64511839 (+) // 92.05 // q13.1
226631_at	-2.2952647	-1.1986606	2.2952647	down	<i>METTL10</i>	399818 chr10:126446402-126454158 (-) // 84.47 // q26.13
244280_at	-2.29331	-1.1974313	2.29331	down	<i>LINC01013</i>	100507254 chr6:132455550-132490502 (+) // 98.23 // q23.2
216576_x_at	-2.2844474	-1.1918453	2.2844474	down		chr2:89160739-89568031 (-) // 82.53 // p11.2
231387_at	-2.2761924	-1.1866225	2.2761924	down	<i>PXDC1</i>	221749 chr6:3722433-3723316 (+) // 92.93 // p25.2
209253_at	-2.273221	-1.1847379	2.273221	down	<i>SORBS3</i>	10174 chr8:22409461-22433012 (+) // 97.69 // p21.3
217984_at	-2.2660728	-1.1801941	2.2660728	down	<i>RNASET2</i>	8635 chr6:167343018-167370031 (-) // 99.75 // q27
204276_at	-2.263934	-1.1788318	2.263934	down	<i>TK2</i>	7084 chr16:66543344-66583701 (-) // 90.66 // q21
232231_at	-2.2630682	-1.1782801	2.2630682	down	<i>RUNX2</i>	860 chr6:45515256-45518818 (+) // 70.84 // p21.1
212150_at	-2.260844	-1.1768614	2.260844	down	<i>EFR3A</i>	23167 chr8:132916360-133025884 (+) // 98.6 // q24.22
231455_at	-2.25615	-1.1738629	2.25615	down	<i>LINC00487</i>	400941 chr2:6869299-6869779 (-) // 8.02 // p25.2
214807_at	-2.2541828	-1.1726046	2.2541828	down	<i>PLXDC2</i>	84898 chr10:20573594-20575768 (+) // 82.23 // p12.31
230405_at	-2.2408495	-1.1640457	2.2408495	down	<i>C5orf56</i>	441108 chr5:131746680-131811732 (+) // 92.46 // q31.1
240581_at	-2.2345726	-1.1599989	2.2345726	down	<i>LOC101928373</i>	101928373 chr6:136175173-136175659 (-) // 99.79 // q23.3
222621_at	-2.2294312	-1.1566757	2.2294312	down	<i>DNAJC1</i>	64215 chr10:22045476-22292633 (-) // 92.63 // p12.31
202497_x_at	-2.2283254	-1.15596	2.2283254	down	<i>SLC2A3</i>	6515 chr12:8071825-8088871 (-) // 89.03 // p13.31
230052_s_at	-2.2248387	-1.1537008	2.2248387	down	<i>NFKBID</i>	84807 chr19:36378853-36379358 (-) // 92.68 // q13.12
225681_at	-2.2245417	-1.1535082	2.2245417	down	<i>CTHRC1</i>	115908 chr8:104383731-104395221 (+) // 98.16 // q22.3
201087_at	-2.2242243	-1.1533023	2.2242243	down	<i>PXN</i>	5829 chr12:120648256-120703509 (-) // 99.25 // q24.23
226645_at	-2.2231214	-1.1525867	2.2231214	down		chr19:16436641-16438887 (-) // 92.01 // p13.11
214378_at	-2.2203453	-1.150784	2.2203453	down	<i>TFPI</i>	7035 chr2:188393901-188419076 (-) // 57.23 // q32.1
217414_x_at	-2.202666	-1.1392508	2.202666	down	<i>HBA2</i>	3040 chr16:222874-223709 (+) // 99.44 // p13.3
211020_at	-2.2006955	-1.1379596	2.2006955	down	<i>GCNT2</i>	2651 chr6:10556402-10627190 (+) // 100.0 // p24.3
218832_x_at	-2.1955256	-1.1345664	2.1955256	down	<i>ARRB1</i>	408 chr11:74977162-75001084 (-) // 98.54 // q13.4
202498_s_at	-2.1912868	-1.1317784	2.1912868	down	<i>SLC2A3</i>	6515 chr12:8071825-8088871 (-) // 89.03 // p13.31
231040_at	-2.1908567	-1.1314951	2.1908567	down	<i>RORB</i>	6096 chr9:77307631-77308087 (+) // 96.6 // q21.13
216944_s_at	-2.1880925	-1.1296737	2.1880925	down	<i>ITPR1</i>	3708 chr3:4558175-4888428 (+) // 99.44 // p26.1
228527_s_at	-2.1865153	-1.1286335	2.1865153	down	<i>SLC25A37</i>	51312 chr8:23429095-23429606 (-) // 99.8 // p21.2
222088_s_at	-2.1855385	-1.1279888	2.1855385	down	<i>SLC2A14//SLC2A3</i>	6515//144195 chr12:7965107-7965839 (-) // 97.84 // p13.31//chr12:8071828-8072848 (-) // 92.32 // p13.31
227276_at	-2.185188	-1.1277574	2.185188	down	<i>PLXDC2</i>	84898 chr10:20465989-20569286 (+) // 95.93 // p12.31
214369_s_at	-2.1848369	-1.1275256	2.1848369	down	<i>RASGRP2</i>	10235 chr11:64508337-64511839 (-) // 92.05 // q13.1
215217_at	-2.182787	-1.1261714	2.182787	down	<i>IGKC</i>	3514 chr2:89442057-89442333 (+) // 75.21 // p11.2
215223_s_at	-2.1777241	-1.1228212	2.1777241	down	<i>LOC100129518//SO D2</i>	6648//100129518 chr6:160100150-160114266 (-) // 90.52 // q25.3
211799_x_at	-2.1776438	-1.122768	2.1776438	down	<i>HLA-C</i>	3107 chr6:31237114-31239848 (-) // 93.57 // p21.33
215176_x_at	-2.1737895	-1.1202123	2.1737895	down	<i>IGKV1-39//IGKV1D-39</i>	28893//28930 chr2:89157154-89619827 (-) // 90.1 // p11.2
1554569_a_at	-2.1709647	-1.1183363	2.1709647	down	<i>CELF2</i>	10659 chr10:11059926-11371241 (+) // 95.2 // p14
227000_at	-2.1583102	-1.1099023	2.1583102	down	<i>MTURN</i>	222166 chr7:30198570-30200892 (+) // 91.07 // p14.3
213022_s_at	-2.156364	-1.1086007	2.156364	down	<i>UTRN</i>	7402 chr6:144612964-145172605 (+) // 99.56 // q24.2
202720_at	-2.1413052	-1.0984905	2.1413052	down	<i>TES</i>	26136 chr7:115850633-115898835 (+) // 90.94 // q31.2

202499_s_at	-2.1401193	-1.0976912	2.1401193	down	<i>SLC2A3</i>	6515	chr12:8071826-8088871 (-) // 89.96 // p13.31
225701_at	-2.1367612	-1.0954256	2.1367612	down	<i>AKNA</i>	80709	chr9:117098407-117139648 (-) // 98.51 // q32
1553530_a_at	-2.1366196	-1.09533	2.1366196	down	<i>ITGB1//ITGB1P1</i>	3688//100422691	chr10:33190494-33224486 (-) // 96.04 // p11.22
221920_s_at	-2.1337445	-1.0933874	2.1337445	down	<i>SLC25A37</i>	51312	chr8:23429095-23429717 (+) // 99.36 // p21.2
203063_at	-2.1318755	-1.0921232	2.1318755	down	<i>PPM1F</i>	9647	chr22:22273799-22307209 (-) // 99.08 // q11.22
225715_at	-2.124505	-1.0871267	2.124505	down	<i>RPTOR</i>	57521	chr17:78717086-78940168 (+) // 99.23 // q25.3
204908_s_at	-2.118238	-1.0828646	2.118238	down	<i>BCL3</i>	602	chr19:45252030-45263300 (+) // 95.97 // q13.32
213023_at	-2.1136856	-1.0797608	2.1136856	down	<i>UTRN</i>	7402	chr6:144612964-145172605 (+) // 99.56 // q24.2
202988_s_at	-2.1070955	-1.0752556	2.1070955	down	<i>RGS1</i>	5996	chr1:192544950-192549071 (+) // 96.74 // q31.2
1553267_a_at	-2.1034253	-1.0727406	2.1034253	down	<i>CNOT6L</i>	246175	chr4:78647158-78740522 (-) // 99.94 // q21.1
226928_x_at	-2.0975866	-1.0687305	2.0975866	down	<i>SLC25A37</i>	51312	chr8:23429095-23429717 (-) // 99.36 // p21.2
242596_at	-2.09359	-1.065979	2.09359	down			chr7:134853834-134854297 (+) // 98.3 // q33
208701_at	-2.0923388	-1.0651164	2.0923388	down	<i>APLP2</i>	334	chr11:129939785-130014700 (-) // 93.79 // q24.3
229395_at	-2.0874195	-1.0617205	2.0874195	down	<i>STX4</i>	6810	chr16:31045339-31046197 (+) // 69.78 // p11.2
217258_x_at	-2.0837562	-1.0591865	2.0837562	down			chr22:22764357-22764612 (+) // 86.17 // q11.22
1567628_at	-2.0832334	-1.0588244	2.0832334	down	<i>CD74</i>	972	chr5:149782683-149782877 (-) // 91.08 // q32
35617_at	-2.0814216	-1.0575693	2.0814216	down	<i>MAPK7</i>	5598	chr17:19281198-19286852 (+) // 86.55 // p11.2
217655_at	-2.0784855	-1.0555327	2.0784855	down	<i>FXYD5//LOC100127972</i>	53827//100127972	chr19:35658497-35658978 (+) // 43.45 // q13.12
200677_at	-2.07455	-1.0527984	2.07455	down	<i>PTTG1IP</i>	754	chr21:46269512-46293741 (-) // 99.85 // q22.3
1567627_at	-2.0622537	-1.0442219	2.0622537	down	<i>CD74</i>	972	chr5:149782683-149782877 (+) // 91.08 // q32
226080_at	-2.0617628	-1.0438783	2.0617628	down	<i>SSH2</i>	85464	chr17:27952955-27975365 (-) // 98.56 // q11.2
235076_at	-2.0582118	-1.0413915	2.0582118	down	<i>CALCOCO2</i>	10241	chr17:46941446-46942575 (+) // 75.49 // q21.32
227360_at	-2.049923	-1.0355697	2.049923	down			chr19:55555683-55556335 (+) // 77.49 // q13.42
209101_at	-2.046637	-1.0332552	2.046637	down	<i>CTGF</i>	1490	chr6:132269505-132272442 (-) // 92.1 // q23.2
203028_s_at	-2.046141	-1.0329055	2.046141	down	<i>CYBA</i>	1535	chr16:88709697-88717449 (-) // 93.6 // q24.3
236338_at	-2.038286	-1.0273565	2.038286	down			chr13:110432007-110432471 (-) // 100.0 // q34
226944_at	-2.0370116	-1.0264542	2.0370116	down	<i>HTRA3</i>	94031	chr4:8308249-8308822 (+) // 77.61 // p16.1
218810_at	-2.034805	-1.0248905	2.034805	down	<i>ZC3H12A</i>	80149	chr1:37940152-37949976 (+) // 99.26 // p34.3
203186_s_at	-2.022526	-1.0161582	2.022526	down	<i>SI00A4</i>	6275	chr1:153516097-153518282 (-) // 100.0 // q21.3
201945_at	-2.0148866	-1.0106987	2.0148866	down	<i>FURIN</i>	5045	chr15:91411884-91426687 (+) // 99.9 // q26.1
226782_at	-2.0131607	-1.0094624	2.0131607	down	<i>SLC25A30</i>	253512	chr13:45967279-45968395 (-) // 98.59 // q14.13
232289_at	-2.01107	-1.0079633	2.01107	down	<i>KCNJ12</i>	3768	chr17:21320481-21323181 (+) // 96.44 // p11.2
230788_at	-2.0103421	-1.007441	2.0103421	down	<i>GCNT2</i>	2651	chr6:10629228-10629600 (+) // 71.73 // p24.2

B. [*TCF3-PBX1*] vs. [B-others]

Probe Set ID	Regulation		Gene Symbol	Entrez Gene	Alignments		
	FC ([ <i>TCF3-PBX1</i> ] vs. [B-others])	Log FC ([ <i>TCF3-PBX1</i> ] vs. [B-others])				FC (abs) ([ <i>TCF3-PBX1</i> ] vs. [B-others])	[ <i>TCF3-PBX1</i> ] vs. [B-others])
227441_s_at	634.3874	9.30922	634.3874	up	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1
205253_at	544.9216	9.089905	544.9216	up	<i>PBX1</i>	5087	chr1:164528936-164816309 (+) // 97.97 // q23.3
212148_at	242.63777	7.9226604	242.63777	up	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
227949_at	162.6945	7.3460217	162.6945	up	<i>PHACTR3</i>	116154	chr20:58318161-58422766 (+) // 92.17 // q13.32
212151_at	137.53535	7.1036587	137.53535	up	<i>PBX1</i>	5087	chr1:164816353-164821067 (+) // 91.39 // q23.3
231040_at	87.822784	6.4565234	87.822784	up	<i>RORB</i>	6096	chr9:77307631-77308087 (+) // 96.6 // q21.13
239650_at	78.76857	6.299548	78.76857	up	<i>NCKAP5</i>	344148	chr2:133429372-133429887 (-) // 97.91 // q21.2
240292_x_at	77.85142	6.2826514	77.85142	up	<i>ANKS1B</i>	56899	chr12:99137751-99138287 (-) // 99.81 // q23.1
224022_x_at	70.95164	6.148764	70.95164	up	<i>WNT16</i>	51384	chr7:120969089-120981157 (+) // 98.56 // q31.31
243533_x_at	64.719864	6.0161366	64.719864	up			chr12:99438003-99438316 (-) // 96.01 // q23.1
1563000_at	61.41391	5.9404936	61.41391	up			chr12:99422689-99423795 (-) // 75.78 // q23.1
239092_at	59.643185	5.8982854	59.643185	up	<i>ITGA8</i>	8516	chr10:15638513-15646269 (-) // 88.85 // p13
201579_at	58.59879	5.872799	58.59879	up	<i>FATI</i>	2195	chr4:187508948-187644987 (-) // 99.23 // q35.2
227439_at	54.048447	5.7561812	54.048447	up	<i>ANKS1B</i>	56899	chr12:99138036-99194959 (-) // 98.27 // q23.1

214265_at	41.668922	5.3809	41.668922 up	<i>ITGA8</i>	8516 chr10:15559087-15761656 (-) // 98.57 // p13
229233_at	39.32606	5.297414	39.32606 up	<i>NRG3</i>	10718 chr10:84745112-84746933 (+) // 96.89 // q23.1
213005_s_at	39.22674	5.2937655	39.22674 up	<i>KANK1</i>	23189 chr9:676887-746103 (+) // 99.21 // p24.3
228956_at	36.82313	5.2025404	36.82313 up	<i>UGT8</i>	7368 chr4:115597646-115599380 (+) // 91.08 // q26
234985_at	35.63954	5.155407	35.63954 up	<i>LDLRAD3</i>	143458 chr11:36251772-36253697 (+) // 93.97 // p13
210033_s_at	33.214252	5.0537305	33.214252 up	<i>SPAG6</i>	9576 chr10:22634415-22706536 (+) // 99.96 // p12.2
242764_at	29.657078	4.8903046	29.657078 up	<i>DCHS2</i>	54798 chr4:155253536-155254604 (-) // 97.75 // q31.3
242747_at	29.33225	4.874416	29.33225 up	<i>LOC105374869</i>	105374869
203999_at	29.088446	4.8623743	29.088446 up	<i>SYT1</i>	6857 chr12:79258566-79845782 (+) // 96.51 // q21.2
208358_s_at	28.38973	4.827297	28.38973 up	<i>UGT8</i>	7368 chr4:115519909-115597486 (+) // 99.21 // q26
232289_at	27.555645	4.784276	27.555645 up	<i>KCNJ12</i>	3768 chr17:21320481-21323181 (+) // 96.44 // p11.2
234261_at	27.19922	4.7654934	27.19922 up		chr12:99258022-99260721 (-) // 27.84 // q23.1
231223_at	26.102804	4.706133	26.102804 up	<i>CSMD1</i>	64478 chr8:2792875-2793277 (-) // 97.34 // p23.2
220373_at	25.682928	4.682738	25.682928 up	<i>DCHS2</i>	54798 chr4:155155526-155161977 (-) // 99.16 // q31.3
202796_at	23.404602	4.5487204	23.404602 up	<i>SYNPO</i>	11346 chr5:150020252-150038769 (+) // 92.22 // q33.1
227230_s_at	23.240242	4.538553	23.240242 up	<i>KIAA1211</i>	57482 chr4:57180759-57196774 (+) // 93.22 // q12
231095_at	21.941559	4.455594	21.941559 up	<i>LOC101928045</i>	101928045 chr17:65671127-65671746 (-) // 95.4 // q24.2
226415_at	21.546524	4.4293833	21.546524 up	<i>VATIL</i>	57687 chr16:77822490-78014003 (+) // 98.65 // q23.1
240463_at	20.10061	4.3291674	20.10061 up		chr10:123990123-123990568 (+) // 38.7 // q26.13
235666_at	20.083092	4.3279095	20.083092 up	<i>ITGA8</i>	8516 chr10:15555950-15556389 (-) // 97.54 // p13
213712_at	19.859234	4.311738	19.859234 up	<i>ELOVL2</i>	54898 chr6:10980994-10982303 (-) // 92.52 // p24.2
1559394_a_at	19.781271	4.306063	19.781271 up		chr1:64377384-64377813 (+) // 43.88 // p31.3
207926_at	19.403744	4.278263	19.403744 up	<i>GP5</i>	2814 chr3:194114983-194120234 (-) // 58.06 // q29
205805_s_at	19.21669	4.264288	19.21669 up	<i>ROR1</i>	4919 chr1:64239713-64644707 (+) // 98.93 // p31.3
1561135_at	18.823242	4.234443	18.823242 up		chr2:133689906-133690479 (-) // 95.93 // q21.2
216364_s_at	17.946638	4.165642	17.946638 up	<i>AFF2</i>	2334 chrX:147582617-148072862 (+) // 96.67 // q28
203998_s_at	17.707012	4.146249	17.707012 up	<i>SYT1</i>	6857 chr12:79258566-79845782 (+) // 96.51 // q21.2
244306_at	17.362988	4.1179433	17.362988 up		
221113_s_at	16.626425	4.055406	16.626425 up	<i>WNT16</i>	51384 chr7:120965420-120979512 (+) // 99.11 // q31.31
235911_at	14.805811	3.8880916	14.805811 up	<i>MFI2</i>	4241 chr3:196728610-196729068 (-) // 99.57 // q29
1562984_at	14.623039	3.8701713	14.623039 up	<i>LOC101928937</i>	101928937 chr12:99487136-99498787 (+) // 41.36 // q23.1
205489_at	14.472527	3.8552449	14.472527 up	<i>CRYM</i>	1428 chr16:21269838-21289602 (-) // 99.52 // p12.2
1563494_at	13.899252	3.7969353	13.899252 up		chr10:83668583-83673960 (+) // 61.42 // q23.1
225369_at	13.717501	3.7779458	13.717501 up	<i>ESAM</i>	90952 chr11:124623025-124632167 (-) // 97.98 // q24.2
238451_at	13.324974	3.7360609	13.324974 up	<i>MPP7</i>	143098 chr10:28340816-28342114 (-) // 98.01 // p12.1
210957_s_at	13.174676	3.7196956	13.174676 up	<i>AFF2</i>	2334 chrX:147582243-148075954 (+) // 97.25 // q28
1569122_at	13.039958	3.7048674	13.039958 up	<i>LOC105370697</i>	105370697 chr14:105998191-106000652 (+) // 82.33 // q32.33
211913_s_at	12.994098	3.6997845	12.994098 up	<i>MERTK</i>	10461 chr2:112733019-112779973 (+) // 40.76 // q13
237974_at	12.699935	3.6667492	12.699935 up	<i>ABHD12B</i>	145447 chr14:51371224-51371687 (+) // 37.14 // q22.1
239178_at	12.327115	3.6237633	12.327115 up	<i>FGF9</i>	2254 chr13:22277427-22278133 (+) // 100.0 // q12.11
1553405_a_at	11.961529	3.58033	11.961529 up	<i>CSMD1</i>	64478 chr8:2795620-4852223 (-) // 99.35 // p23.2
218087_s_at	11.850378	3.5668612	11.850378 up	<i>SORBS1</i>	10580 chr10:97071530-97321135 (-) // 99.43 // q24.1
216517_at	11.786159	3.5590217	11.786159 up	<i>IGKV1D-8</i>	28904 chr2:90259773-90260299 (+) // 100.0 // p11.2
213358_at	11.716718	3.5504966	11.716718 up	<i>MTCLI</i>	23255 chr18:8783685-8832776 (+) // 96.73 // p11.22
206181_at	11.692193	3.5474737	11.692193 up	<i>SLAMF1</i>	6504 chr1:160579888-160616869 (-) // 99.83 // q23.3
206546_at	11.589402	3.5347342	11.589402 up	<i>SYCP2</i>	10388 chr20:58439007-58497481 (-) // 99.42 // q13.33
220389_at	11.46571	3.5192537	11.46571 up	<i>CCDC81</i>	60494 chr11:86106223-86134150 (+) // 96.16 // q14.2
238751_at	11.369343	3.507077	11.369343 up		chr4:186563515-186564270 (-) // 81.17 // q35.1
238778_at	11.306453	3.4990745	11.306453 up	<i>MPP7</i>	143098 chr10:28339921-28340418 (-) // 100.0 // p12.1
1554633_a_at	11.19024	3.484169	11.19024 up	<i>MYT1L</i>	23040 chr2:1795304-2334966 (-) // 90.43 // p25.3
222513_s_at	11.141407	3.4778595	11.141407 up	<i>SORBS1</i>	10580 chr10:97071530-97321135 (-) // 96.59 // q24.1
210016_at	11.125174	3.475756	11.125174 up	<i>MYT1L</i>	23040 chr2:1792886-2335051 (-) // 92.31 // p25.3
231455_at	10.913913	3.4480965	10.913913 up	<i>LINC00487</i>	400941 chr2:6869299-6869779 (-) // 8.02 // p25.2
204114_at	10.594511	3.405245	10.594511 up	<i>NID2</i>	22795 chr14:52471527-52535712 (-) // 98.36 // q22.1
213419_at	10.438829	3.383888	10.438829 up	<i>APBB2</i>	323 chr4:40816613-41016240 (-) // 94.26 // p14
223723_at	10.227292	3.3543522	10.227292 up	<i>MFI2</i>	4241 chr3:196745824-196756642 (-) // 91.17 // q29



203865_s_at	10.122823	3.3395398	10.122823 up	<i>ADARB1</i>	104 chr21:46494514-46646474 (+) // 95.17 // q22.3
219564_at	10.077054	3.333002	10.077054 up	<i>KCNJ16</i>	3773 chr17:68071425-68131744 (+) // 94.83 // q24.3
202289_s_at	9.922399	3.310689	9.922399 up	<i>TACC2</i>	10579 chr10:123923358-124014053 (+) // 98.59 // q26.13
206999_at	9.898192	3.3071651	9.898192 up	<i>IL12RB2</i>	3595 chr1:67773046-67862583 (+) // 90.1 // p31.3
212651_at	9.838911	3.2984986	9.838911 up	<i>RHOBTB1</i>	9886 chr10:62629199-62703926 (-) // 97.78 // q21.2
206404_at	9.811034	3.2944052	9.811034 up	<i>FGF9</i>	2254 chr13:22245874-22276184 (+) // 93.66 // q12.11
220911_s_at	9.602366	3.26339	9.602366 up	<i>NYNRNIN</i>	57523 chr14:24868204-24888488 (+) // 91.57 // q12
218625_at	9.575485	3.2593455	9.575485 up	<i>NRN1</i>	51299 chr6:5998234-6007150 (-) // 92.57 // p25.1
1553722_s_at	9.483376	3.2454007	9.483376 up	<i>RNF152</i>	220441 chr18:59480572-59560304 (-) // 97.83 // q21.33
227846_at	9.44171	3.2390482	9.44171 up	<i>GPR176</i>	11245 chr15:40091222-40092816 (-) // 97.81 // q14
1564253_at	9.33689	3.222942	9.33689 up	<i>LOC285766</i>	285766 chr6:181465-205484 (-) // 81.22 // p25.3
204680_s_at	9.306636	3.2182598	9.306636 up	<i>RAPGEF5</i>	9771 chr7:22157921-22233334 (-) // 94.14 // p15.3
235372_at	9.26995	3.2125616	9.26995 up	<i>FCRLA</i>	84824 chr1:161683165-161684141 (+) // 42.96 // q23.3
204681_s_at	9.2575035	3.2106233	9.2575035 up	<i>RAPGEF5</i>	9771 chr7:22157921-22233334 (-) // 94.41 // p15.3
205769_at	9.242747	3.2083218	9.242747 up	<i>SLC27A2</i>	11001 chr15:50474421-50528570 (+) // 99.11 // q21.2
202206_at	9.030403	3.1747904	9.030403 up	<i>ARL4C</i>	10123 chr2:235401681-235405622 (-) // 95.42 // q37.1
236854_at	8.989901	3.1683052	8.989901 up	<i>LINC00494</i>	284749 chr20:46998720-46999381 (+) // 26.76 // q13.13
225483_at	8.982072	3.1670482	8.982072 up	<i>VPS26B</i>	112936 chr11:134116715-134117684 (+) // 95.54 // q25
240448_at	8.876147	3.1499336	8.876147 up		chr18:8821582-8821930 (+) // 82.34 // p11.22
244623_at	8.422544	3.074256	8.422544 up	<i>KCNQ5</i>	56479 chr6:73908065-73908580 (+) // 100.0 // q13
1564308_a_at	8.411756	3.072407	8.411756 up	<i>MPP7</i>	143098 chr10:28342991-28527666 (-) // 93.52 // p12.1
224363_at	8.373056	3.0657544	8.373056 up		chr2:133874576-133876622 (+) // 65.81 // q21.2
219752_at	8.284501	3.0504148	8.284501 up	<i>RASAL1</i>	8437 chr12:113537317-113574021 (-) // 99.14 // q24.13
230896_at	8.243985	3.0433419	8.243985 up	<i>BEND4</i>	389206 chr4:42112869-42113898 (-) // 99.81 // p13
219840_s_at	8.232711	3.0413675	8.232711 up	<i>TCL6</i>	27004 chr14:96131198-96135702 (+) // 77.11 // q32.13
235721_at	8.124721	3.0223181	8.124721 up	<i>DTX3</i>	196403 chr12:58003197-58003585 (+) // 90.66 // q13.3
204005_s_at	8.014254	3.0025682	8.014254 up	<i>PAWR</i>	5074 chr12:79985933-80084743 (-) // 90.98 // q21.2
212985_at	7.919146	2.985345	7.919146 up	<i>APBB2</i>	323 chr4:40812044-40816814 (-) // 79.15 // p14
1558368_s_at	7.671405	2.9394908	7.671405 up	<i>DRAXIN</i>	374946 chr1:11751780-11786209 (+) // 76.21 // p36.22
215721_at	7.60804	2.9275248	7.60804 up	<i>IGHG1///IGHV5-51</i>	3500//28388 chr14:107034162-107035220 (-) // 98.58 // q32.33
231042_s_at	7.5635576	2.919065	7.5635576 up		chr4:114374777-114375242 (+) // 76.14 // q26
235099_at	7.4021015	2.887935	7.4021015 up	<i>CMTM8</i>	152189 chr3:32398903-32411811 (+) // 98.85 // p22.3
237495_at	7.3660884	2.8808987	7.3660884 up	<i>MPP7</i>	143098 chr10:28525534-28527629 (-) // 79.66 // p12.1
1552496_a_at	7.26672	2.8613043	7.26672 up	<i>COBL</i>	23242 chr7:51084978-51103652 (-) // 92.11 // p12.1
201616_s_at	7.213477	2.850695	7.213477 up	<i>CALD1</i>	800 chr7:134464375-134654691 (+) // 94.06 // q33
239657_x_at	7.150486	2.8380413	7.150486 up	<i>FOXO6</i>	100132074 chr1:41848960-41849262 (+) // 96.46 // p34.2
1566646_at	6.983872	2.804027	6.983872 up	<i>LINC01225</i>	149086 chr1:31971896-31974166 (-) // 49.91 // p35.2
202479_s_at	6.964549	2.80003	6.964549 up	<i>TRIB2</i>	28951 chr2:12857947-12881530 (+) // 98.7 // p24.3
225019_at	6.9597893	2.7990437	6.9597893 up	<i>CAMK2D</i>	817 chr4:114373569-114683202 (-) // 88.24 // q26
213050_at	6.9362793	2.794162	6.9362793 up	<i>COBL</i>	23242 chr7:51083909-51384496 (-) // 99.25 // p12.1
205780_at	6.872174	2.7807665	6.872174 up	<i>BIK</i>	638 chr22:43519630-43525717 (+) // 68.15 // q13.2
210517_s_at	6.707427	2.7457595	6.707427 up	<i>AKAP12</i>	9590 chr6:151646822-151677908 (+) // 99.97 // q25.1
205768_s_at	6.6552014	2.7344823	6.6552014 up	<i>SLC27A2</i>	11001 chr15:50474421-50528570 (+) // 99.11 // q21.2
202478_at	6.6205306	2.7269468	6.6205306 up	<i>TRIB2</i>	28951 chr2:12857207-12882856 (+) // 99.24 // p24.3
223891_at	6.548104	2.7110772	6.548104 up	<i>KCNQ5</i>	56479 chr6:73331808-73905303 (+) // 98.73 // q13
202668_at	6.526995	2.706419	6.526995 up	<i>EFNB2</i>	1948 chr13:107142097-107187462 (-) // 95.58 // q33.3
231793_s_at	6.525478	2.7060835	6.525478 up	<i>CAMK2D</i>	817 chr4:114375269-114682224 (-) // 99.84 // q26
223693_s_at	6.5162716	2.7040467	6.5162716 up	<i>RADIL</i>	55698 chr7:4838813-4856985 (-) // 97.94 // p22.1
40148_at	6.5018787	2.7008567	6.5018787 up	<i>APBB2</i>	323 chr4:40817320-41016240 (-) // 88.64 // p14
225288_at	6.4878783	2.6977468	6.4878783 up	<i>COL27A1</i>	85301 chr9:117069690-117074794 (+) // 94.39 // q32
226796_at	6.468443	2.6934185	6.468443 up	<i>ABHD15</i>	116236 chr17:27887690-27889792 (-) // 85.78 // q11.2
1556598_at	6.412321	2.6808467	6.412321 up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
217968_at	6.384959	2.6746774	6.384959 up	<i>TSSCI</i>	7260 chr2:3192742-3381598 (-) // 97.54 // p25.3
224994_at	6.360567	2.6691554	6.360567 up	<i>CAMK2D</i>	817 chr4:114373569-114683202 (-) // 88.24 // q26
219738_s_at	6.3588295	2.6687613	6.3588295 up	<i>PCDH9</i>	5101 chr13:66876970-67802690 (-) // 97.3 // q21.32
202207_at	6.3588014	2.6687548	6.3588014 up	<i>ARL4C</i>	10123 chr2:235401681-235405622 (-) // 95.42 // q37.1
235246_at	6.3426723	2.6650908	6.3426723 up	<i>WDR86</i>	349136 chr7:151080999-151082001 (-) // 49.75 // q36.1

242976_at	6.285082	2.6519315	6.285082 up		chr6:73397971-73398396 (+) // 38.25 // q13
238919_at	6.2674584	2.6478806	6.2674584 up	<i>PCDH9</i>	5101 chr13:67775146-67775679 (-) // 93.89 // q21.32
204993_at	6.2310953	2.6394858	6.2310953 up	<i>GNAZ</i>	2781 chr22:23437878-23467218 (+) // 97.09 // q11.22
236270_at	6.1533527	2.6213727	6.1533527 up	<i>NFATC4</i>	4776 chr14:24848008-24848805 (+) // 70.58 // q12
232544_at	6.1325912	2.6164968	6.1325912 up		chr4:57966254-57969648 (-) // 60.18 // q12
225548_at	6.07482	2.6028416	6.07482 up	<i>SHROOM3</i>	57619 chr4:77660882-77701305 (+) // 99.65 // q21.1
219463_at	6.029764	2.5921016	6.029764 up	<i>LAMP5</i>	24141 chr20:9495297-9511171 (+) // 100.0 // p12.2
232267_at	5.9909425	2.582783	5.9909425 up	<i>ADGRD1</i>	283383 chr12:131555397-131626010 (+) // 98.39 // q24.33
1568611_at	5.9585466	2.5749605	5.9585466 up		chr5:131525836-131527060 (-) // 12.33 // q31.1
1565602_at	5.9267263	2.5672355	5.9267263 up	<i>PCDH9</i>	5101 chr13:67780302-67780881 (-) // 50.59 // q21.32
1555060_a_at	5.8968973	2.559956	5.8968973 up	<i>IKZF2</i>	22807 chr2:213871896-214016333 (-) // 98.27 // q34
1558815_at	5.8157306	2.5399604	5.8157306 up	<i>SORBS2</i>	8470 chr4:186695157-186877513 (-) // 93.79 // q35.1
230128_at	5.812453	2.5391471	5.812453 up	<i>CKAP2</i>	26586 chr22:23230013-23232345 (+) // 64.14 // q11.22
220567_at	5.7793765	2.5309138	5.7793765 up	<i>IKZF2</i>	22807 chr2:213871343-214015058 (-) // 98.84 // q34
225078_at	5.7536683	2.524482	5.7536683 up	<i>EMP2</i>	2013 chr16:10622279-10623791 (-) // 81.39 // p13.13
230186_at	5.736401	2.520146	5.736401 up	<i>TMEM136</i>	219902 chr11:120196036-120201348 (+) // 99.43 // q23.3
225079_at	5.6977506	2.5103924	5.6977506 up	<i>EMP2</i>	2013 chr16:10622279-10623791 (-) // 81.39 // p13.13
1556599_s_at	5.6427727	2.4964042	5.6427727 up	<i>ARPP21</i>	10777 chr3:35681195-35683573 (+) // 93.51 // p22.3
209570_at	5.6395907	2.4955904	5.6395907 up	<i>NSG1</i>	27065 chr4:4388765-4420784 (+) // 98.67 // p16.3
228555_at	5.6298356	2.4930928	5.6298356 up	<i>CAMK2D</i>	817 chr4:114372189-114373421 (-) // 43.5 // q26
213610_s_at	5.62819	2.492671	5.62819 up	<i>KLHL23//PHOSPHO 2-KLHL23</i>	151230//100526832 chr2:170606859-170608394 (+) // 48.07 // q31.1
230671_at	5.6205673	2.4907157	5.6205673 up		chr5:195892-196458 (+) // 98.77 // p15.33
214432_at	5.5932884	2.4836967	5.5932884 up	<i>ATP1A3</i>	478 chr19:42470735-42498367 (-) // 98.06 // q13.2
243727_at	5.5683994	2.4772627	5.5683994 up	<i>CPNE8</i>	144402 chr12:39047710-39079496 (-) // 95.86 // q12
206255_at	5.562754	2.4757993	5.562754 up	<i>BLK</i>	640 chr8:11351879-11422107 (+) // 95.7 // p23.1
226865_at	5.548898	2.4722013	5.548898 up	<i>PLXDC2</i>	84898 chr10:20575769-20578025 (+) // 89.46 // p12.31
223062_s_at	5.5070415	2.4612775	5.5070415 up	<i>PSATI</i>	29968 chr9:80912058-80945007 (+) // 97.98 // q21.2
221584_s_at	5.4998913	2.459403	5.4998913 up	<i>KCNMA1</i>	3778 chr10:78644637-79397291 (-) // 96.26 // q22.3
1554076_s_at	5.4715014	2.4519367	5.4715014 up	<i>TMEM136</i>	219902 chr11:120196015-120201347 (+) // 95.99 // q23.3
227276_at	5.337216	2.4160874	5.337216 up	<i>PLXDC2</i>	84898 chr10:20465989-20569286 (+) // 95.93 // p12.31
219039_at	5.3355536	2.415638	5.3355536 up	<i>SEMA4C</i>	54910 chr2:97525478-97530503 (-) // 97.01 // q11.2
216986_s_at	5.3243027	2.4125926	5.3243027 up	<i>IRF4</i>	3662 chr6:391767-407616 (+) // 99.94 // p25.3
213273_at	5.263923	2.3961384	5.263923 up	<i>TENM4</i>	26011 chr11:78364327-78380208 (-) // 95.31 // q14.1
1556538_at	5.134708	2.3602822	5.134708 up	<i>MFI2</i>	4241 chr3:196752410-196756165 (-) // 90.76 // q29
231067_s_at	5.133519	2.3599482	5.133519 up	<i>AKAP12</i>	9590 chr6:151678865-151679337 (-) // 96.33 // q25.1
235343_at	5.130405	2.3590727	5.130405 up	<i>VASH2</i>	79805 chr1:213164456-213164925 (+) // 97.71 // q32.3
230546_at	5.0851603	2.3462932	5.0851603 up	<i>VASH1</i>	22846 chr14:77239478-77239992 (+) // 82.62 // q24.3
1559827_at	5.0773463	2.3440747	5.0773463 up	<i>LINC00960</i>	401074 chr3:75721432-75722390 (+) // 33.33 // p12.3
1566647_s_at	5.063169	2.3400407	5.063169 up	<i>LINC01225</i>	149086 chr1:31971896-31974166 (+) // 49.91 // p35.2
1566081_at	5.012568	2.3255498	5.012568 up	<i>DLEU7</i>	220107 chr13:51285143-51289621 (-) // 42.28 // q14.3
1552923_a_at	4.9986124	2.3215277	4.9986124 up	<i>PITPNM2</i>	57605 chr12:123468980-123519201 (-) // 98.02 // q24.31
1562937_at	4.9922495	2.31969	4.9922495 up		chr4:187543069-187544347 (-) // 61.8 // q35.2
225293_at	4.985601	2.3177674	4.985601 up	<i>COL27A1</i>	85301 chr9:117069690-117074794 (+) // 94.39 // q32
202208_s_at	4.950821	2.3076677	4.950821 up	<i>ARL4C</i>	10123 chr2:235403805-235405204 (-) // 94.67 // q37.1
46665_at	4.913391	2.296719	4.913391 up	<i>SEMA4C</i>	54910 chr2:97525472-97525948 (-) // 74.61 // q11.2
209151_x_at	4.9028945	2.2936337	4.9028945 up	<i>TCF3</i>	6929 chr19:1609291-1650291 (-) // 94.42 // p13.3
225688_s_at	4.8867526	2.288876	4.8867526 up	<i>PHLDB2</i>	90102 chr3:111667804-111695136 (+) // 95.89 // q13.2
227336_at	4.876635	2.285886	4.876635 up	<i>DTX1</i>	1840 chr12:113495494-113535830 (+) // 91.82 // q24.13
214807_at	4.8384466	2.274544	4.8384466 up	<i>PLXDC2</i>	84898 chr10:20573594-20575768 (+) // 82.23 // p12.31
231929_at	4.827461	2.2712646	4.827461 up	<i>IKZF2</i>	22807 chr2:213864421-213867171 (-) // 90.3 // q34
1565601_at	4.777425	2.2562332	4.777425 up		chr13:67780292-67780881 (+) // 50.59 // q21.32
232950_s_at	4.770969	2.2542822	4.770969 up	<i>PITPNM2</i>	57605 chr12:123468027-123485692 (-) // 98.79 // q24.31
216987_at	4.690122	2.2296255	4.690122 up	<i>IRF4</i>	3662 chr6:391767-407616 (+) // 99.94 // p25.3
224516_s_at	4.6819654	2.2271142	4.6819654 up	<i>CXXC5</i>	51523 chr5:139027945-139063465 (+) // 94.22 // q31.2
238804_at	4.6817617	2.2270515	4.6817617 up		chr3:195355780-195356401 (+) // 74.64 // q29//chr3:197387406-197388027 (-) // 74.8 // q29

242452_at	4.6610312	2.2206492	4.6610312 up
1552947_x_at	4.6579876	2.2197068	4.6579876 up
204562_at	4.6442	2.21543	4.6442 up
225235_at	4.632456	2.2117772	4.632456 up
229292_at	4.5361843	2.1814792	4.5361843 up
220892_s_at	4.5303993	2.1796381	4.5303993 up
227036_at	4.496142	2.1686876	4.496142 up
227589_at	4.4882364	2.1661487	4.4882364 up
230951_at	4.4672437	2.159385	4.4672437 up
209789_at	4.4509287	2.1541064	4.4509287 up
219271_at	4.42492	2.1456513	4.42492 up
212789_at	4.405345	2.139255	4.405345 up
210852_s_at	4.281852	2.098235	4.281852 up
214978_s_at	4.261848	2.091479	4.261848 up
204682_at	4.24782	2.0867226	4.24782 up
207221_at	4.235297	2.0824633	4.235297 up
207237_at	4.220388	2.0773757	4.220388 up
231174_s_at	4.214364	2.075315	4.214364 up
228365_at	4.19312	2.0680242	4.19312 up
1564821_at	4.173328	2.0611982	4.173328 up
214829_at	4.1674666	2.0591707	4.1674666 up
219737_s_at	4.0950036	2.0338647	4.0950036 up
215391_at	4.064157	2.0229561	4.064157 up
241706_at	4.062	2.02219	4.062 up
224027_at	4.0404105	2.0145018	4.0404105 up
224666_at	4.039263	2.014092	4.039263 up
223475_at	4.02849	2.0102391	4.02849 up
1563881_at	4.0095606	2.0034442	4.0095606 up
226890_at	4.001021	2.000368	4.001021 up
219740_at	3.9964342	1.9987134	3.9964342 up
205406_s_at	3.983855	1.9941652	3.983855 up
209558_s_at	3.9601097	1.9855404	3.9601097 up
219155_at	3.9358523	1.9766761	3.9358523 up
201334_s_at	3.8050728	1.927924	3.8050728 up
229775_s_at	3.7807627	1.9186773	3.7807627 up
1558143_a_at	3.774967	1.916464	3.774967 up
218949_s_at	3.763523	1.9120839	3.763523 up
206660_at	3.7597454	1.910635	3.7597454 up
1569796_s_at	3.7046428	1.8893344	3.7046428 up
210934_at	3.6999936	1.8875228	3.6999936 up
1555336_a_at	3.6798882	1.8796619	3.6798882 up
225855_at	3.6606812	1.8721122	3.6606812 up
205229_s_at	3.6517482	1.8685873	3.6517482 up
226944_at	3.647786	1.8670211	3.647786 up
223729_at	3.6421394	1.8647861	3.6421394 up
221054_s_at	3.6416028	1.8645736	3.6416028 up
38340_at	3.6260247	1.8583888	3.6260247 up
1553096_s_at	3.61456	1.85382	3.61456 up
1553423_a_at	3.6131759	1.8532674	3.6131759 up
210450_at	3.61057	1.8522266	3.61057 up
218948_at	3.6105523	1.8522196	3.6105523 up
221583_s_at	3.5828161	1.841094	3.5828161 up
204674_at	3.5665596	1.8345331	3.5665596 up
212845_at	3.5411215	1.8242064	3.5411215 up
237625_s_at	3.538792	1.823257	3.538792 up
238750_at	3.524671	1.8174887	3.524671 up

					chr7:151086220-151086625 (-) // 60.25 // q36.1
163071				<i>ZNF114</i>	chr19:48774653-48790863 (+) // 86.58 // q13.33
3662				<i>IRF4</i>	chr6:391759-411193 (+) // 94.65 // p25.3
26262				<i>TSPAN17</i>	chr5:176074423-176086052 (+) // 76.37 // q35.2
57669				<i>EPB41L5</i>	chr2:120862124-120862688 (+) // 93.23 // q14.2
29968				<i>PSAT1</i>	chr9:80912093-80944059 (+) // 99.81 // q21.2//chr1:79520572-79521773 (-) // 95.68 // p31.1
9462				<i>RASAL2</i>	chr1:178446192-178447985 (+) // 97.31 // q25.2
26207				<i>PITPNC1</i>	chr17:65373941-65665781 (-) // 91.68 // q24.2
57669				<i>EPB41L5</i>	chr2:120864031-120864491 (+) // 97.87 // q14.2
10391				<i>CORO2B</i>	chr15:68871574-69020140 (+) // 87.83 // q23
79623				<i>GALNT14</i>	chr2:31133333-31361013 (-) // 96.03 // p23.1
23310				<i>NCAPD3</i>	chr11:134022339-134093868 (-) // 98.79 // q25
10157				<i>AASS</i>	chr7:121716295-121784268 (-) // 99.97 // q31.32
8497				<i>PPF1A4</i>	chr1:203024706-203047863 (+) // 97.84 // q32.1
4053				<i>LTBP2</i>	chr14:74966457-75079034 (-) // 99.49 // q24.3
9002				<i>F2RL3</i>	chr19:16999825-17009516 (+) // 58.18 // p13.11
3738				<i>KCNA3</i>	chr1:111214309-111217362 (-) // 99.5 // p13.3
144402				<i>CPNE8</i>	chr6:131160852-131161519 (+) // 98.21 // q23.1
					chr12:39046006-39047351 (-) // 98.68 // q12
					chr10:129991025-129991879 (-) // 30.63 // q26.2
10157				<i>AASS</i>	chr7:121715556-121726207 (-) // 82.83 // q31.32
5101				<i>PCDH9</i>	chr13:66876970-67802690 (-) // 97.01 // q21.32
4130				<i>MAP1A</i>	chr15:43814544-43815779 (-) // 88.21 // q15.3
144402				<i>CPNE8</i>	chr12:39120160-39299420 (-) // 99.11 // q12
56477				<i>CCL28</i>	chr5:43376757-43412472 (-) // 41.44 // p12
197370				<i>NSMCE1</i>	chr16:27236320-27268903 (-) // 82.95 // p12.1
83690				<i>CRISPLD1</i>	chr8:75897111-75945532 (+) // 100.0 // q21.11
9223				<i>MAG11</i>	
57539				<i>WDR35</i>	chr2:20110023-20160359 (-) // 99.23 // p24.1
79805				<i>VASH2</i>	chr1:213123935-213163404 (+) // 98.67 // q32.3
53340				<i>SPA17</i>	chr11:124543779-124564685 (+) // 38.49 // q24.2
9026				<i>HIP1R</i>	chr12:123335801-123347507 (+) // 99.95 // q24.31
26207				<i>PITPNC1</i>	chr17:65374270-65689129 (+) // 99.38 // q24.2
23365				<i>ARHGGEF12</i>	chr11:120276823-120360645 (+) // 97.31 // q23.3
4301				<i>MLLT4</i>	chr6:168227670-168272970 (-) // 87.99 // q27
10018				<i>BCL2L11</i>	chr2:111922398-111924603 (+) // 96.19 // q13
55278				<i>QRSL1</i>	chr6:107077458-107114235 (+) // 84.73 // q21
3543				<i>IGLL1</i>	chr22:23915363-23922495 (-) // 99.88 // q11.23
26033				<i>ATRNL1</i>	chr10:116853123-116931126 (+) // 94.88 // q25.3
640				<i>BLK</i>	chr8:11351677-11367397 (+) // 97.39 // p23.1
3680				<i>ITGA9</i>	chr3:37493605-37671009 (+) // 94.64 // p22.2
57669				<i>EPB41L5</i>	chr2:120834601-120936695 (+) // 97.71 // q14.2
1690				<i>COCH</i>	chr14:31343729-31359822 (+) // 99.07 // q12
94031				<i>HTRA3</i>	chr4:8308249-8308822 (+) // 77.61 // p16.1
27443				<i>CECR2</i>	chr22:17956627-18033845 (+) // 89.28 // q11.21
27004				<i>TCL6</i>	chr14:96129592-96137824 (+) // 49.19 // q32.13
9026				<i>HIP1R</i>	chr12:123320050-123347500 (+) // 91.86 // q24.31
10018				<i>BCL2L11</i>	chr2:111881322-111921808 (+) // 100.0 // q13
146857				<i>SLFN13</i>	chr17:33766493-33775783 (-) // 78.16 // q12
7062				<i>IGHV5-78//MIR5195</i>	chr4:107258712-107259792 (-) // 93.79 // q32.33
55278				<i>QRSL1</i>	chr6:107077452-107115410 (+) // 75.55 // q21
3778				<i>KCNMA1</i>	chr10:78644636-79397568 (-) // 95.13 // q22.3
4033				<i>LRMP</i>	chr12:25205632-25261169 (+) // 95.66 // p12.1
23034				<i>SAMD4A</i>	chr14:55168860-55260030 (+) // 97.07 // q22.2
					chr2:89159878-89160419 (-) // 99.45 // p11.2
56477				<i>CCL28</i>	chr5:43379298-43380180 (-) // 51.68 // p12

240718_at	3.5226498	1.816661	3.5226498 up		chr12:25255751-25256226 (+) // 42.26 // p12.1
225540_at	3.5113685	1.8120334	3.5113685 up	<i>MAP2</i>	4133 chr2:210596755-210598836 (+) // 95.43 // q34
206478_at	3.4796538	1.7989438	3.4796538 up	<i>KIAA0125</i>	9834 chr14:106390611-106398500 (+) // 87.01 // q32.33
35974_at	3.4644363	1.7926207	3.4644363 up	<i>LRMP</i>	4033 chr12:25205632-25261267 (+) // 82.58 // p12.1
239752_at	3.4612951	1.791312	3.4612951 up	<i>CECR2</i>	27443 chr22:18037369-18037852 (+) // 91.32 // q11.21
206615_s_at	3.4417875	1.7831581	3.4417875 up	<i>ADAM22</i>	53616 chr7:87563734-87826447 (+) // 97.93 // q21.12
224818_at	3.4292343	1.7778865	3.4292343 up	<i>SORT1</i>	6272 chr1:109852192-109855236 (-) // 93.5 // p13.3
242586_at	3.4097924	1.769684	3.4097924 up	<i>FSD1L</i>	83856 chr9:108312267-108313193 (+) // 76.83 // q31.2
204730_at	3.395455	1.7636049	3.395455 up	<i>RIMS3</i>	9783 chr1:41086351-41131324 (-) // 95.4 // p34.2
1553088_a_at	3.3620677	1.7493488	3.3620677 up	<i>BCL2L11</i>	10018 chr2:111881322-111921808 (+) // 100.0 // q13
234541_s_at	3.361182	1.7489686	3.361182 up	<i>ARHGEF12</i>	23365 chr11:120300113-120301227 (-) // 66.58 // q23.3
224240_s_at	3.3491344	1.7437882	3.3491344 up	<i>CCL28</i>	56477 chr5:43381900-43412470 (-) // 64.71 // p12
201718_s_at	3.3454978	1.7422209	3.3454978 up	<i>EPB41L2</i>	2037 chr6:131160486-131384391 (-) // 96.76 // q23.1
205159_at	3.32168	1.7319131	3.32168 up	<i>CSF2RB</i>	1439 chr22:37318075-37336481 (+) // 88.72 // q12.3
201518_at	3.3214283	1.7318038	3.3214283 up	<i>CBX1</i>	10951 chr17:46147422-46178800 (-) // 97.16 // q21.32
236169_at	3.2940032	1.719842	3.2940032 up		chr8:123792785-123793547 (+) // 99.61 // q24.13
210612_s_at	3.282724	1.7148935	3.282724 up	<i>SYNJ2</i>	8871 chr6:158402918-158519568 (+) // 99.84 // q25.3
208536_s_at	3.2741559	1.711123	3.2741559 up	<i>BCL2L11</i>	10018 chr2:111881322-111921808 (+) // 99.76 // q13
214781_at	3.2605898	1.705133	3.2605898 up	<i>SHANK1</i>	50944 chr3:126748885-126753574 (+) // 72.81 // q21.3
1553380_at	3.2487648	1.6998913	3.2487648 up	<i>PARP15</i>	165631 chr3:122334524-122355536 (+) // 98.42 // q21.1
1552924_a_at	3.247464	1.6993135	3.247464 up	<i>PITPNM2</i>	57605 chr12:123468980-123519201 (-) // 98.02 // q24.31
215041_s_at	3.2440553	1.6977984	3.2440553 up	<i>DOCK9</i>	23348 chr13:99540765-99738647 (-) // 97.39 // q32.3
212828_at	3.230015	1.6915408	3.230015 up	<i>SYNJ2</i>	8871 chr6:158480004-158520205 (+) // 99.19 // q25.3
208923_at	3.2264104	1.68993	3.2264104 up	<i>CYFIP1</i>	23191 chr15:22892735-23003602 (+) // 99.54 // q11.2
222343_at	3.1972811	1.6768456	3.1972811 up	<i>BCL2L11</i>	10018 chr2:111921737-111922208 (+) // 98.32 // q13
231935_at	3.184765	1.6711869	3.184765 up	<i>ARPP21</i>	10777 chr3:35731569-35835978 (+) // 97.11 // p22.3
231062_at	3.156822	1.6584729	3.156822 up	<i>DOCK9-AS2</i>	100861541 chr13:99740468-99740878 (+) // 98.79 // q32.3
1562550_at	3.151231	1.6559155	3.151231 up		chr12:123506054-123508317 (-) // 78.39 // q24.31
225619_at	3.135818	1.6488419	3.135818 up	<i>SLAIN1</i>	122060 chr13:78272469-78338366 (+) // 96.33 // q22.3
209760_at	3.129846	1.6460917	3.129846 up	<i>KIAA0922</i>	23240 chr4:154505985-154557775 (+) // 97.57 // q31.3
233695_s_at	3.1221735	1.6425507	3.1221735 up	<i>CECR2</i>	27443 chr22:18003141-18033015 (+) // 99.21 // q11.21
211189_x_at	3.1215682	1.642271	3.1215682 up	<i>CD84</i>	8832 chr1:160518034-160549294 (-) // 99.73 // q23.3
215574_at	3.0907307	1.6279479	3.0907307 up		chr11:79134602-79136342 (-) // 37.59 // q14.1
47069_at	3.081909	1.6238242	3.081909 up	<i>PRR5</i>	55615 chr22:45133086-45133561 (+) // 76.37 // q13.31
1564310_a_at	3.0796812	1.622781	3.0796812 up	<i>PARP15</i>	165631 chr3:122313370-122354886 (+) // 99.8 // q21.1
208644_at	3.0696495	1.6180739	3.0696495 up	<i>PARP1</i>	142 chr1:226548704-226595791 (-) // 99.62 // q42.12
1558217_at	3.0582492	1.612706	3.0582492 up	<i>SLFN13</i>	146857 chr17:33766002-33774435 (-) // 75.62 // q12
215384_s_at	3.0576277	1.6124127	3.0576277 up	<i>MAP1A</i>	4130 chr15:43814544-43815779 (+) // 88.21 // q15.3
227221_at	3.055702	1.6115038	3.055702 up	<i>ZMAT3</i>	64393 chr3:178737832-178739374 (-) // 97.71 // q26.32
234799_at	3.0445182	1.6062139	3.0445182 up	<i>ADARB1</i>	104 chr21:46564911-46567120 (+) // 75.17 // q22.3
1552760_at	3.039171	1.6036779	3.039171 up	<i>HDAC9</i>	9734 chr7:18535368-19036398 (+) // 96.51 // p21.1
244280_at	3.0344312	1.6014261	3.0344312 up	<i>LINC01013</i>	100507254 chr6:132455550-132490502 (+) // 98.23 // q23.2
221125_s_at	3.0307033	1.5996526	3.0307033 up	<i>KCNMB3</i>	27094 chr3:178960555-178968832 (-) // 99.32 // q26.32
230193_at	3.0269334	1.597857	3.0269334 up	<i>WDR66</i>	144406 chr12:122437730-122441823 (+) // 93.1 // q24.31
225389_at	3.0253212	1.5970883	3.0253212 up	<i>BTBD6</i>	90135 chr14:105715711-105717430 (+) // 97.72 // q32.33
227829_at	3.0176117	1.5934072	3.0176117 up	<i>GYLTL1B</i>	120071 chr11:45949904-45950647 (+) // 91.53 // p11.2
					chr15:82973443-82976258 (+) // 76.59 //
					q25.2///chr15:82763617-82766434 (-) // 76.66 //
223327_x_at	3.0134046	1.5913944	3.0134046 up	<i>GOLGA2P10</i>	80154 q25.2///chr15:83140203-83143018 (-) // 76.63 //
					q25.2///chr15:85746679-85749517 (-) // 76.08 //
					q25.3///chr15:84867602-84870440 (-) // 78.97 // q25.2
226889_at	3.0091012	1.5893326	3.0091012 up	<i>WDR35</i>	57539 chr2:20110023-20160359 (-) // 99.23 // p24.1
211190_x_at	2.9938536	1.5820037	2.9938536 up	<i>CD84</i>	8832 chr1:160518036-160549294 (-) // 99.69 // q23.3
222693_at	2.9884808	1.5794122	2.9884808 up	<i>FNDC3B</i>	64778 chr3:172052787-172116573 (+) // 92.02 // q26.31

220602_s_at	2.9846687	1.5775708	2.9846687 up	<i>GOLGA2P10//GOLG</i> <i>A2P7//LOC10272413</i> 80154//388152//72 <i>5//LOC727751</i>	chr15:82944960-82975797 (+) // 95.25 // q25.2//chr15:82764078-82798184 (-) // 95.72 // q25.2//chr15:83140664-83182762 (-) // 95.29 // q25.2//chr15:84868063-84898722 (-) // 97.68 // q25.2//chr15:85747140-85777828 (-) // 94.5 // q25.3
210015_s_at	2.9803693	1.5754911	2.9803693 up	<i>MAP2</i>	4133 chr2:210517906-210595233 (+) // 99.46 // q34
219551_at	2.9669862	1.5668982	2.9669862 up	<i>EAF2</i>	55840 chr3:121554029-121605314 (+) // 97.52 // q13.33
39729_at	2.963347	1.5672276	2.963347 up	<i>PRDX2</i>	7001 chr19:12907636-12912662 (-) // 75.2 // p13.2
232111_at	2.928073	1.5499514	2.928073 up	<i>TUNAR</i>	100507043 chr14:96342728-96391900 (+) // 80.59 // q32.2
204947_at	2.9244075	1.5481443	2.9244075 up	<i>E2F1</i>	1869 chr20:32263488-32274193 (-) // 94.77 // q11.22
205988_at	2.9194832	1.545713	2.9194832 up	<i>CD84</i>	8832 chr1:160515794-160549263 (-) // 79.99 // q23.3
242957_at	2.9105663	1.5412999	2.9105663 up	<i>VWCE</i>	220001 chr1:61025761-61026208 (-) // 95.31 // q12.2
236173_s_at	2.8794506	1.5257936	2.8794506 up	<i>LRIG1</i>	26018 chr3:66465369-66550708 (+) // 98.19 // p14.1
203263_s_at	2.8714488	1.5217788	2.8714488 up	<i>ARHGGEF9</i>	23229 chrX:62854847-62974993 (-) // 97.44 // q11.1
218469_at	2.8594081	1.5157166	2.8594081 up	<i>GREM1</i>	26585 chr15:33010301-33026866 (+) // 99.65 // q13.3
212807_s_at	2.8580735	1.515043	2.8580735 up	<i>SORT1</i>	6272 chr1:109855074-109940551 (-) // 99.47 // p13.3
201163_s_at	2.8548431	1.5134115	2.8548431 up	<i>IGFBP7</i>	3490 chr4:57897245-57976539 (-) // 98.58 // q12
214786_at	2.8494322	1.5106745	2.8494322 up	<i>MAP3K1</i>	4214 chr5:56111458-56190254 (+) // 99.06 // q11.2
230968_at	2.8301346	1.5008707	2.8301346 up	<i>HDAC9</i>	9734 chr7:19041411-19042039 (+) // 97.21 // p21.1
226590_at	2.8201394	1.4957665	2.8201394 up	<i>ZNF618</i>	114991 chr9:116817542-116818875 (+) // 94.6 // q32
1555609_a_at	2.812631	1.4919202	2.812631 up	<i>ZMAT3</i>	64393 chr3:178742721-178789570 (-) // 99.63 // q26.32
201189_s_at	2.810913	1.4910388	2.810913 up	<i>ITPR3</i>	3710 chr6:33589343-33664339 (+) // 99.83 // p21.31
210991_s_at	2.8027675	1.486852	2.8027675 up	<i>RIMS3</i>	9783 chr1:41091886-41131116 (-) // 95.86 // p34.2
207042_at	2.7976062	1.484193	2.7976062 up	<i>E2F2</i>	1870 chr1:23836347-23857712 (-) // 99.94 // p36.12
221021_s_at	2.7941856	1.4824278	2.7941856 up	<i>CTNNB1</i>	56259 chr20:36407684-36500519 (+) // 97.49 // q11.23
216322_at	2.7895415	1.480028	2.7895415 up	<i>CD58</i>	965 chr1:117061852-117087208 (+) // 96.54 // p13.1
233998_x_at	2.7849839	1.477669	2.7849839 up		chr21:47349842-47352477 (-) // 92.94 // q22.3
231963_at	2.769455	1.4696021	2.769455 up	<i>ANKRD33B</i>	651746 chr5:10654586-10657225 (+) // 99.58 // p15.2
202052_s_at	2.7629867	1.4662286	2.7629867 up	<i>RAI14</i>	26064 chr5:34656517-34832716 (+) // 98.13 // p13.2
203940_s_at	2.7610538	1.465219	2.7610538 up	<i>VASH1</i>	22846 chr14:77228779-77249359 (+) // 92.12 // q24.3
218816_at	2.7604733	1.4649156	2.7604733 up	<i>LRRC1</i>	55227 chr6:53660074-53788656 (+) // 99.85 // p12.1
236255_at	2.7487473	1.4587743	2.7487473 up	<i>PLEKHG4B</i>	153478 chr5:184414-185017 (+) // 10.97 // p15.33
201719_s_at	2.7471335	1.457927	2.7471335 up	<i>EPB41L2</i>	2037 chr6:131160489-131277640 (-) // 97.28 // q23.1
238853_at	2.7408712	1.4546345	2.7408712 up	<i>RAB31P</i>	117177 chr12:70213715-70214333 (+) // 40.33 // q15
238691_at	2.738885	1.4535886	2.738885 up	<i>SNHG10</i>	283596 chr14:95998878-96000504 (-) // 52.68 // q32.13
214452_at	2.7225223	1.4449439	2.7225223 up	<i>BCAT1</i>	586 chr12:24970555-25102096 (-) // 99.83 // p12.1
226017_at	2.7142382	1.4405473	2.7142382 up	<i>CMTM7</i>	112616 chr3:32433363-32496333 (+) // 96.96 // p22.3
216942_s_at	2.691186	1.4282421	2.691186 up	<i>CD58</i>	965 chr1:117061852-117087212 (-) // 97.53 // p13.1
205120_s_at	2.6897511	1.4274727	2.6897511 up	<i>SGCB</i>	6443 chr4:52889863-52899808 (-) // 97.45 // q12
1563802_at	2.6826773	1.4236735	2.6826773 up	<i>LINC01226</i>	284551 chr1:31986546-31989846 (+) // 67.09 // p35.2
240178_at	2.6746657	1.4193586	2.6746657 up		chr12:70079571-70079964 (+) // 92.39 // q15
232821_at	2.6737635	1.4188719	2.6737635 up	<i>GTSF1L</i>	149699 chr20:42354803-42355334 (-) // 87.43 // q13.12
219279_at	2.6724498	1.4181628	2.6724498 up	<i>DOCK10</i>	55619 chr2:225629807-225661715 (-) // 98.89 // q36.2
226233_at	2.6699057	1.4167888	2.6699057 up	<i>B3GALNT2</i>	148789 chr1:235610527-235611546 (-) // 60.92 // q42.3
221551_x_at	2.6621404	1.4125867	2.6621404 up	<i>ST6GALNAC4</i>	27090 chr9:130670596-130678719 (-) // 99.9 // q34.11
221669_s_at	2.661537	1.4122596	2.661537 up	<i>ACAD8</i>	27034 chr11:134123464-134135555 (+) // 96.63 // q25
2028_s_at	2.6606956	1.4118035	2.6606956 up	<i>E2F1</i>	1869 chr20:32263488-32274197 (-) // 93.76 // q11.22
1552722_at	2.6569903	1.4097929	2.6569903 up	<i>ARPP21</i>	10777 chr3:35722428-35726283 (+) // 94.39 // p22.3
1557129_a_at	2.6553633	1.4089093	2.6553633 up	<i>FAM111B</i>	374393 chr11:58874666-58892476 (+) // 90.65 // q12.1
1554242_a_at	2.6552987	1.4088742	2.6552987 up	<i>COCH</i>	1690 chr14:31343733-31364264 (+) // 97.1 // q12
1553691_at	2.649726	1.4058431	2.649726 up	<i>B3GALNT2</i>	148789 chr1:235612643-235667884 (-) // 99.96 // q42.3
230391_at	2.6496387	1.4057956	2.6496387 up	<i>CD84</i>	8832 chr1:160510888-160511453 (-) // 89.81 // q23.3
225725_at	2.648604	1.4052321	2.648604 up	<i>ZMAT3</i>	64393 chr3:178735014-178737263 (-) // 90.94 // q26.32
220359_s_at	2.6281283	1.3940357	2.6281283 up	<i>ARPP21</i>	10777 chr3:35721166-35727359 (+) // 96.28 // p22.3
1552696_at	2.6266024	1.3931978	2.6266024 up	<i>NIPAI</i>	123606 chr15:23048315-23086436 (-) // 89.16 // q11.2
211192_s_at	2.6240582	1.3917997	2.6240582 up	<i>CD84</i>	8832 chr1:160523538-160549294 (-) // 99.18 // q23.3

201889_at	2.617283	1.38807	2.617283 up	<i>FAM3C</i>
203264_s_at	2.6133306	1.3858896	2.6133306 up	<i>ARHGGEF9</i>
222158_s_at	2.6129751	1.3856934	2.6129751 up	<i>DES12</i>
206100_at	2.610736	1.3844565	2.610736 up	<i>CPM</i>
244805_at	2.6074836	1.3826582	2.6074836 up	
212371_at	2.5915215	1.3737993	2.5915215 up	<i>DES12</i>
201188_s_at	2.5900733	1.372993	2.5900733 up	<i>ITPR3</i>
241765_at	2.583894	1.3695469	2.583894 up	<i>CPM</i>
202786_at	2.580158	1.3674594	2.580158 up	<i>STK39</i>
1557098_s_at	2.5774534	1.3659463	2.5774534 up	<i>HAR1A</i>
238339_x_at	2.5661979	1.3596324	2.5661979 up	<i>LRIG1</i>
1569110_x_at	2.5586252	1.3553689	2.5586252 up	<i>LOC728613</i>
1552892_at	2.5433762	1.3467449	2.5433762 up	<i>TNFRSF13C</i>
203557_s_at	2.540006	1.3448318	2.540006 up	<i>PCBD1</i>
204836_at	2.5398822	1.3447616	2.5398822 up	<i>GLDC</i>
226592_at	2.5381293	1.3437656	2.5381293 up	<i>ZNF618</i>
222742_s_at	2.5379553	1.3436667	2.5379553 up	<i>IFT22</i>
214373_at	2.5288827	1.3385001	2.5288827 up	
213910_at	2.5281217	1.3380659	2.5281217 up	<i>IGFBP7</i>
225752_at	2.5260403	1.3368777	2.5260403 up	<i>NIPA1</i>
204029_at	2.5232384	1.3352765	2.5232384 up	<i>CELSR2</i>
212503_s_at	2.5208578	1.3339148	2.5208578 up	<i>DIP2C</i>
226517_at	2.520098	1.3334799	2.520098 up	<i>BCAT1</i>
241679_at	2.5185735	1.3326068	2.5185735 up	
220068_at	2.514539	1.3302939	2.514539 up	<i>VPREB3</i>
216080_s_at	2.5137146	1.3298209	2.5137146 up	<i>FADS3</i>
225285_at	2.5101144	1.3277531	2.5101144 up	<i>BCAT1</i>
221557_s_at	2.5002735	1.3220859	2.5002735 up	<i>LEF1</i>
213484_at	2.4983137	1.3209546	2.4983137 up	<i>ADD2</i>
242104_at	2.4885597	1.3153111	2.4885597 up	
228163_at	2.4878843	1.3149194	2.4878843 up	<i>ST6GALNAC4</i>
241871_at	2.4865909	1.3141692	2.4865909 up	<i>CAMK4</i>
228361_at	2.4804986	1.3106301	2.4804986 up	<i>E2F2</i>
231399_at	2.4800973	1.3103967	2.4800973 up	<i>RAB3IP</i>
1560018_at	2.4752686	1.3075851	2.4752686 up	<i>ARPP21</i>
227721_at	2.4745457	1.3071637	2.4745457 up	<i>CPAMD8</i>
234393_at	2.4740562	1.3068783	2.4740562 up	<i>HDAC9</i>
1564129_a_at	2.4711938	1.3052082	2.4711938 up	<i>QPRT</i>
1556037_s_at	2.4697657	1.3043742	2.4697657 up	<i>HHIP</i>
204257_at	2.4647424	1.3014369	2.4647424 up	<i>FADS3</i>
228232_s_at	2.4622457	1.2999748	2.4622457 up	<i>VSIG2</i>
203196_at	2.4573956	1.2971301	2.4573956 up	<i>ABCC4</i>
220937_s_at	2.4555306	1.2960348	2.4555306 up	<i>ST6GALNAC4</i>
217477_at	2.4532957	1.2947211	2.4532957 up	<i>PIP5K1B</i>
214390_s_at	2.445722	1.2902604	2.445722 up	<i>BCAT1</i>
217202_s_at	2.4402385	1.2870221	2.4402385 up	<i>GLUL</i>
240931_s_at	2.4370847	1.2851564	2.4370847 up	
230509_at	2.4357831	1.2843857	2.4357831 up	<i>SNX22</i>
238526_at	2.4346862	1.2837359	2.4346862 up	<i>RAB3IP</i>
220999_s_at	2.4210763	1.2756485	2.4210763 up	<i>CYFIP2</i>
222936_s_at	2.4209056	1.2755468	2.4209056 up	<i>DES12</i>

10447	chrX:23093707-23096495 (+) // 98.87 // p22.11//chr7:120988906-121036341 (-) // 97.54 // q31.31
23229	chrX:62854847-62974993 (-) // 97.65 // q11.1
51029	chr1:244816457-244869241 (+) // 81.93 // q44
1368	chr12:69249536-69326622 (-) // 83.36 // q15
	chr7:51090282-51090981 (-) // 78.54 // p12.1
51029	chr1:244870374-244872331 (+) // 97.27 // q44
3710	chr6:33589155-33663708 (+) // 99.58 // p21.31
1368	chr12:69247047-69247511 (-) // 98.31 // q15
27347	chr2:168810530-169104105 (-) // 94.99 // q24.3
768096	chr20:61733559-61735737 (+) // 89.14 // q13.33
26018	chr3:66463369-66550708 (-) // 97.5 // p14.1
728613	chr5:1628812-1634073 (-) // 67.34 // p15.33
115650	chr22:42321035-42322782 (-) // 95.02 // q13.2
	5092 chr10:72643417-72645687 (-) // 96.47 // q22.1
2731	chr9:6532468-6645650 (-) // 98.31 // p24.1
114991	chr9:116817542-116818875 (+) // 94.6 // q32
64792	chr7:100956556-100965078 (-) // 42.37 // q22.1
	chr3:195378718-195379150 (+) // 83.69 // q29//chr3:197360532-197360975 (-) // 83.69 // q29//chr3:195722955-195723398 (-) // 86.23 // q29//chr3:195663472-195663904 (-) // 83.05 // q29
3490	chr4:57896527-57898393 (-) // 94.29 // q12
123606	chr15:23043278-23046097 (-) // 92.96 // q11.2
1952	chr1:109792640-109818372 (+) // 98.95 // p13.3
22982	chr10:320129-465133 (-) // 98.63 // p15.3
586	chr12:24967603-24970594 (-) // 81.74 // p12.1
	chr6:151630641-151631108 (+) // 45.82 // q25.1
29802	chr22:24094933-24096592 (-) // 84.49 // q11.23
3995	chr11:61643320-61653789 (-) // 96.92 // q12.2
586	chr12:24964296-24967742 (-) // 98.08 // p12.1
51176	chr4:108968703-109089635 (-) // 95.79 // q25
119	chr2:70883921-70886228 (-) // 87.37 // p13.3
	chr22:42319815-42320195 (+) // 70.99 // q13.2
27090	chr9:130670588-130674673 (+) // 99.61 // q34.11
814	chr5:110820673-110821638 (+) // 99.48 // q22.1
1870	chr1:23832921-23833838 (-) // 85.7 // p36.12
117177	chr12:70216365-70216982 (+) // 26.25 // q15
10777	chr3:35825570-35828018 (+) // 74.89 // p22.3
27151	chr19:17003757-17137450 (-) // 96.6 // p13.11
9734	chr7:18993768-19035803 (+) // 100.0 // p21.1
23475	chr16:29707117-29709316 (-) // 43.94 // p11.2
64399	chr4:145569331-145606824 (+) // 94.97 // q31.21
3995	chr11:61640998-61658986 (-) // 92.83 // q12.2
23584	chr11:124617367-124621476 (-) // 92.22 // q24.2
10257	chr13:95672089-95953683 (-) // 98.2 // q32.1
27090	chr9:130670380-130678747 (-) // 99.31 // q34.11
8395	chr9:71503910-71624091 (-) // 100.0 // q21.11
586	chr12:24989380-25101983 (-) // 99.59 // p12.1
2752	chr9:34917171-34918072 (+) // 99.78 // p13.3
	chr3:195362753-195363129 (+) // 79.53 // q29//chr3:197380555-197380931 (-) // 79.53 // q29//chr3:195680254-195680630 (-) // 79.53 // q29
79856	chr15:64447478-64448035 (+) // 45.04 // q22.31
117177	chr12:70210358-70211237 (+) // 75.54 // q15
26999	chr5:156820983-156822592 (+) // 90.45 // q33.3
51029	chr1:244816557-244869558 (-) // 98.56 // q44

217246_s_at	2.4166963	1.2730361	2.4166963 up	<i>DIAPH2</i>	1730
211596_s_at	2.410434	1.269293	2.410434 up	<i>LRIG1</i>	26018 chr3:66429221-66551351 (-) // 97.86 // p14.1
237003_at	2.3915567	1.25795	2.3915567 up	<i>BEST3</i>	144453 chr12:70047389-70047852 (-) // 97.03 // q15
208506_at	2.3848774	1.2539151	2.3848774 up	<i>HIST1H3F</i>	8968 chr6:26250422-26250833 (-) // 100.0 // p22.2
230047_at	2.3829372	1.252741	2.3829372 up	<i>ARHGAP42</i>	143872 chr11:100846873-100860755 (+) // 97.28 // q22.1
211744_s_at	2.3811958	1.2516862	2.3811958 up	<i>CD58</i>	965 chr1:117064418-117113661 (-) // 97.02 // p13.1
239530_at	2.3795364	1.2506806	2.3795364 up	<i>ADD2</i>	119 chr2:70887284-70888216 (-) // 54.54 // p13.3
209781_s_at	2.3741386	1.2474041	2.3741386 up	<i>KHDRBS3</i>	10656 chr8:136469759-136659485 (+) // 91.46 // q24.23
1555613_a_at	2.3685288	1.2439913	2.3685288 up	<i>ZAP70</i>	7535 chr2:98350868-98355961 (+) // 100.0 // q11.2
205726_at	2.35473	1.2355616	2.35473 up	<i>DIAPH2</i>	1730 chrX:95939710-96859992 (+) // 70.9 // q21.33
231873_at	2.3520083	1.2338932	2.3520083 up	<i>BMPR2</i>	659 chr2:203426755-203429771 (+) // 71.06 // q33.2
209574_s_at	2.3517003	1.2337042	2.3517003 up	<i>LDLRAD4</i>	753 chr18:13278099-13653093 (+) // 98.8 // p11.21
211188_at	2.3491204	1.2321206	2.3491204 up	<i>CD84</i>	8832 chr1:160522696-160549294 (-) // 88.14 // q23.3
243629_x_at	2.3398309	1.2264042	2.3398309 up	<i>MF12-AS1</i>	100507057 chr3:196730658-196731609 (+) // 93.65 // q29
223655_at	2.3150122	1.2110198	2.3150122 up	<i>CD163L1</i>	283316 chr12:7507558-7596748 (-) // 99.85 // p13.31
229283_at	2.3021173	1.2029614	2.3021173 up	<i>LOC728613</i>	728613 chr5:1599038-1599857 (-) // 96.05 // p15.33
204044_at	2.298986	1.2009977	2.298986 up	<i>LOC105369247//QP RT</i>	23475//105369247 chr16:29690474-29708956 (+) // 85.36 // p11.2
201403_s_at	2.2927644	1.1970881	2.2927644 up	<i>MGST3</i>	4259 chr1:165619074-165624857 (+) // 89.98 // q24.1
36499_at	2.286612	1.1932116	2.286612 up	<i>CELSR2</i>	1952 chr1:109794571-109818373 (+) // 78.27 // p13.3
244352_at	2.2846496	1.1919729	2.2846496 up	<i>CD84</i>	8832 chr1:160513953-160514954 (-) // 71.46 // q23.3
210088_x_at	2.2796574	1.188817	2.2796574 up	<i>MYL4</i>	4635 chr17:45286734-45301045 (+) // 93.42 // q21.32
210349_at	2.273595	1.1849754	2.273595 up	<i>CAMK4</i>	814 chr5:110559647-110820283 (+) // 98.29 // q22.1
209920_at	2.261836	1.1774943	2.261836 up	<i>BMPR2</i>	659 chr2:203242161-203424683 (+) // 100.0 // q33.1
210395_x_at	2.256584	1.1741405	2.256584 up	<i>MYL4</i>	4635 chr17:45286764-45301045 (+) // 58.16 // q21.32
206096_at	2.2508352	1.1704605	2.2508352 up	<i>ZNF35</i>	7584 chr3:44690270-44702275 (+) // 98.55 // p21.31
1553102_a_at	2.2488508	1.169188	2.2488508 up	<i>CCDC69</i>	26112 chr5:150560795-150603706 (-) // 75.31 // q33.1
46142_at	2.2479253	1.1685941	2.2479253 up	<i>LMF1</i>	64788 chr16:904501-920808 (-) // 93.39 // p13.3
208302_at	2.2459848	1.1673481	2.2459848 up	<i>HMHBI</i>	57824 chr5:143191725-143200282 (+) // 84.38 // q31.3
223229_at	2.2369864	1.1615565	2.2369864 up	<i>UBE2T</i>	29089 chr1:202300950-202304924 (-) // 99.85 // q32.1
200648_s_at	2.2369323	1.1615216	2.2369323 up	<i>GLUL</i>	2752 chr1:182353415-182360850 (-) // 94.66 // q25.3
227297_at	2.2346814	1.1600691	2.2346814 up	<i>ITGA9</i>	3680 chr3:37862525-37864996 (+) // 95.53 // p22.2
210473_s_at	2.2324257	1.1586121	2.2324257 up	<i>ADGRA3</i>	166647 chr4:22389006-22403181 (-) // 49.47 // p15.2
203045_at	2.2254405	1.154091	2.2254405 up	<i>NINJ1</i>	4814 chr9:95883781-95896519 (-) // 92.22 // q22.31
214779_s_at	2.2252584	1.1539729	2.2252584 up	<i>SGSM3</i>	27352 chr22:40799917-40806289 (+) // 93.96 // q13.1
235019_at	2.2180045	1.1492623	2.2180045 up	<i>CPM</i>	1368 chr12:69247447-69248696 (-) // 33.77 // q15
1555492_a_at	2.2158344	1.14785	2.2158344 up	<i>BEST3</i>	144453 chr12:70065206-70093141 (-) // 84.46 // q15
242414_at	2.2117457	1.1451856	2.2117457 up	<i>QPRT</i>	23475 chr16:29709255-29710020 (+) // 28.84 // p11.2
203763_at	2.188852	1.1301744	2.188852 up	<i>DYNC2LL1</i>	51626 chr2:44001215-44037147 (+) // 99.19 // p21
205268_s_at	2.188125	1.129695	2.188125 up	<i>ADD2</i>	119 chr2:70889264-70995329 (-) // 95.74 // p13.3
219136_s_at	2.185427	1.1279151	2.185427 up	<i>LMF1</i>	64788 chr16:903637-1020982 (-) // 98.65 // p13.3
209197_at	2.1666853	1.1154897	2.1666853 up	<i>SEPT11//SYT11</i>	23208//55752 chr1:155829323-155854986 (+) // 87.02 // q22
233198_at	2.1641362	1.1137913	2.1641362 up	<i>GOLGA2P5</i>	55592 chr12:100557089-100558238 (-) // 35.82 // q23.1
1557174_a_at	2.1572697	1.1092066	2.1572697 up	<i>IRAK1BP1</i>	134728 chr6:79608328-79610965 (+) // 50.38 // q14.1
233138_at	2.1556573	1.1081278	2.1556573 up	<i>LDLRAD4</i>	753 chr18:13613691-13615746 (+) // 89.18 // p11.21
225233_at	2.1488566	1.1035693	2.1488566 up	<i>MSI2</i>	124540 chr17:55693354-55760253 (+) // 94.4 // q22
216401_x_at	2.1423998	1.0992277	2.1423998 up	<i>IGKV1-37//IGKV1D-37</i>	28894//28931 chr2:89923741-89924030 (+) // 92.31 // p11.2//chr2:89161046-89597303 (-) // 99.68 // p11.2
220132_s_at	2.136832	1.0954735	2.136832 up	<i>CLEC2D</i>	29121 chr12:9822324-9847724 (+) // 75.29 // p13.31
226745_at	2.1241152	1.086862	2.1241152 up	<i>CYP4V2//KLKB1</i>	3818//285440 chr4:187125447-187134266 (+) // 69.23 // q35.2
238462_at	2.101008	1.0710816	2.101008 up	<i>UBASH3B</i>	84959 chr11:122683771-122685185 (+) // 96.93 // q24.1
219420_s_at	2.0988846	1.0696228	2.0988846 up	<i>COA7</i>	65260 chr1:53152513-53164038 (-) // 99.81 // p32.3
240915_at	2.084263	1.0595374	2.084263 up	<i>IGHV1-69</i>	28461 chr14:107169512-107169902 (-) // 57.36 // q32.33
232951_at	2.08315	1.0587666	2.08315 up	<i>ITGA9</i>	3680 chr3:32516011-32517376 (+) // 33.98 // p22.3
206009_at	2.0777438	1.0550177	2.0777438 up	<i>ITGA9</i>	3680 chr3:37493812-37860937 (+) // 99.41 // p22.2
242826_at	2.0761337	1.0538994	2.0761337 up		
223750_s_at	2.0738685	1.0523244	2.0738685 up	<i>TLR10</i>	81793 chr4:38774658-38784579 (-) // 95.26 // p14

202780_at	2.0724983	1.0513709	2.0724983 up	<i>OXCT1</i>	5019 chr5:41730168-41870558 (-) // 99.31 // p13.1
206001_at	2.072294	1.0512286	2.072294 up	<i>NPY</i>	4852 chr7:24324859-24331416 (+) // 96.16 // p15.3
217557_s_at	2.067682	1.0480144	2.067682 up	<i>CPM</i>	1368 chr12:69248249-69248922 (+) // 7.49 // q15
203907_s_at	2.0654027	1.0464231	2.0654027 up	<i>IQSEC1</i>	9922 chr3:12939373-12983170 (-) // 99.83 // p25.2
214645_at	2.0630023	1.0447454	2.0630023 up		chr9:71599554-71601512 (+) // 30.62 // q21.11
203222_s_at	2.0591207	1.0420284	2.0591207 up	<i>TLE1</i>	7088 chr9:84199098-84303181 (-) // 99.19 // q21.32
225090_at	2.0581203	1.0413272	2.0581203 up	<i>SYVN1</i>	84447 chr11:64894750-64897793 (-) // 94.88 // q13.1
212946_at	2.0551515	1.0392448	2.0551515 up	<i>VWA8</i>	23078 chr13:42140963-42442607 (-) // 98.81 // q14.11
200878_at	2.053211	1.0378819	2.053211 up	<i>EPAS1</i>	2034 chr2:46524581-46613836 (+) // 96.6 // p21
234140_s_at	2.0509086	1.0362631	2.0509086 up	<i>STIM2</i>	57620 chr4:27004621-27025582 (+) // 92.54 // p15.2
227130_s_at	2.046121	1.0328914	2.046121 up	<i>TLE1</i>	7088 chr9:84205813-84225212 (+) // 93.23 // q21.32
48808_at	2.0453353	1.0323374	2.0453353 up	<i>DHFR</i>	1719 chr18:23747827-23748955 (-) // 29.97 // q11.2
203839_s_at	2.0437007	1.031184	2.0437007 up	<i>TNK2</i>	10188 chr3:195590235-195635955 (-) // 97.12 // q29
210214_s_at	2.0387754	1.0277028	2.0387754 up	<i>BMPR2</i>	659 chr2:203242156-203424733 (+) // 94.13 // q33.1
223471_at	2.0345576	1.0247151	2.0345576 up	<i>RAB3IP</i>	117177 chr12:70132682-70209464 (+) // 68.69 // q15
235952_at	2.0313556	1.0224428	2.0313556 up	<i>DGKH</i>	160851 chr13:42809095-42809674 (+) // 98.8 // q14.11
202555_s_at	2.0295591	1.0211663	2.0295591 up	<i>MYLK</i>	4638 chr3:123332891-123420361 (-) // 98.51 // q21.1
211379_x_at	2.0264874	1.0189812	2.0264874 up	<i>B3GALNT1</i>	8706 chr3:160802783-160804650 (-) // 93.62 // q26.1
212504_at	2.0260406	1.018663	2.0260406 up	<i>DIP2C</i>	22982 chr10:320129-465133 (-) // 98.63 // p15.3
213725_x_at	2.0254347	1.0182316	2.0254347 up	<i>XYLT1</i>	64131 chr16:17195756-17200121 (-) // 87.06 // p12.3
228432_at	2.0208392	1.0149546	2.0208392 up	<i>RAB3IP</i>	117177 chr12:70149161-70188284 (-) // 95.93 // q15
1555557_a_at	2.019452	1.0139639	2.019452 up	<i>TNK2</i>	10188 chr3:195590235-195619452 (-) // 97.49 // q29
1558378_a_at	2.0180056	1.0129302	2.0180056 up	<i>AHNAK2</i>	113146 chr14:105419850-105444660 (-) // 98.82 // q32.33
208716_s_at	2.013531	1.0097276	2.013531 up	<i>TMCO1</i>	54499 chr1:165696778-165738126 (-) // 100.0 // q24.1

Down

Probe Set ID	FC ([ <i>TCF3-PBX1</i> ] vs. [B-others])		Regulation ([ <i>TCF3-PBX1</i> ] vs. [B-others])		Gene Symbol	Entrez Gene Alignments
	Log FC ([ <i>TCF3-PBX1</i> ] vs. [B-others])	FC (abs) ([ <i>TCF3-PBX1</i> ] vs. [B-others])	FC ([ <i>TCF3-PBX1</i> ] vs. [B-others])	Regulation ([ <i>TCF3-PBX1</i> ] vs. [B-others])		
227923_at	-74.298935	-6.2152696	74.298935	down	<i>SHANK3</i>	85358 chr22:51159032-51171638 (+) // 92.82 // q13.33
229698_at	-65.328156	-6.029633	65.328156	down	<i>SHANK3</i>	85358 chr22:51161943-51162466 (+) // 85.1 // q13.33
227998_at	-46.138504	-5.5278993	46.138504	down	<i>S100A16</i>	140576 chr1:153579361-153579825 (-) // 80.19 // q21.3
206852_at	-21.09819	-4.3990474	21.09819	down	<i>EPHA7</i>	2045 chr6:93951803-94129244 (-) // 99.45 // q16.1
202242_at	-20.22783	-4.3382697	20.22783	down	<i>TSPAN7</i>	7102 chrX:38420796-38548171 (+) // 99.25 // p11.4
229288_at	-19.640078	-4.2957287	19.640078	down	<i>EPHA7</i>	2045 chr6:93949742-93950473 (-) // 76.75 // q16.1
224325_at	-17.412596	-4.1220593	17.412596	down	<i>FZD8</i>	8325 chr10:35927176-35930362 (-) // 86.7 // p11.21
1553078_at	-16.240868	-4.021557	16.240868	down	<i>OR5P3</i>	120066 chr11:7846583-7847519 (-) // 100.0 // p15.4
205289_at	-14.998758	-3.9067712	14.998758	down	<i>BMP2</i>	650 chr20:6748310-6760923 (+) // 97.71 // p12.3
200951_s_at	-14.994991	-3.9064088	14.994991	down	<i>CCND2</i>	894 chr12:4382937-4414519 (+) // 95.53 // p13.32
240704_at	-13.963848	-3.8036246	13.963848	down		chr4:38986125-38986684 (-) // 98.21 // p14
232539_at	-13.381936	-3.742215	13.381936	down	<i>SOCS2</i>	8835 chr12:93974410-93979385 (+) // 47.02 // q22
203373_at	-13.000887	-3.7005382	13.000887	down	<i>SOCS2</i>	8835 chr12:93966458-93969978 (+) // 94.2 // q22
231924_at	-12.680452	-3.6645343	12.680452	down	<i>LINC00958</i>	100506305 chr11:13000565-13002547 (-) // 68.82 // p15.2
206940_s_at	-11.829899	-3.5643659	11.829899	down	<i>POU4F1</i>	5457 chr13:79173324-79176836 (-) // 88.55 // q31.1
208422_at	-11.744139	-3.553869	11.744139	down	<i>MSR1</i>	4481 chr8:15998287-16050168 (-) // 99.93 // p22
205290_s_at	-11.363291	-3.5063088	11.363291	down	<i>BMP2</i>	650 chr20:6749206-6759769 (+) // 98.77 // p12.3
241844_x_at	-11.109147	-3.4736762	11.109147	down	<i>TMEM156</i>	80008 chr4:39029997-39034003 (-) // 55.15 // p14
212364_at	-11.046244	-3.465484	11.046244	down	<i>MYO1B</i>	4430 chr2:192160843-192290112 (+) // 95.31 // q32.3
238533_at	-10.766061	-3.4284186	10.766061	down	<i>EPHA7</i>	2045 chr6:93950469-93951606 (-) // 99.74 // q16.1
204438_at	-10.65672	-3.4136915	10.65672	down	<i>MRC1</i>	4360 chr10:18098351-18200090 (+) // 99.69 // p12.33//chr10:17851361-17953177 (+) // 99.56 // p12.33
203372_s_at	-10.639081	-3.4113016	10.639081	down	<i>SOCS2</i>	8835 chr12:93966635-93969024 (+) // 100.0 // q22
226545_at	-10.599444	-3.4059167	10.599444	down	<i>CD109</i>	135228 chr6:74536266-74538037 (+) // 93.33 // q13
209543_s_at	-10.326446	-3.3682718	10.326446	down	<i>CD34</i>	947 chr1:208059883-208084683 (-) // 99.92 // q32.2
229900_at	-10.24192	-3.3564143	10.24192	down	<i>CD109</i>	135228 chr6:74520770-74533826 (+) // 97.85 // q13
239719_at	-9.943164	-3.313705	9.943164	down	<i>CD109</i>	135228 chr6:74534122-74534797 (+) // 91.47 // q13



231259_s_at	-9.651621	-3.2707713	9.651621 down	<i>CCND2</i>	894 chr12:4410863-4411609 (-) // 89.69 // p13.32
205330_at	-9.572232	-3.2588553	9.572232 down	<i>MNI</i>	4330 chr22:28144265-28197486 (-) // 95.36 // q12.1
227405_s_at	-9.075413	-3.1819632	9.075413 down	<i>FZD8</i>	8325 chr10:35927536-35928379 (-) // 86.53 // p11.21
204115_at	-8.992568	-3.1687331	8.992568 down	<i>GNG11</i>	2791 chr7:93551358-93555821 (+) // 97.43 // q21.3
240738_at	-8.985195	-3.1675498	8.985195 down		chr10:33617837-33618257 (-) // 76.64 // p11.22
211214_s_at	-8.92813	-3.158358	8.92813 down	<i>DAPK1</i>	1612 chr9:90112803-90260886 (+) // 88.99 // q21.33
200953_s_at	-8.706898	-3.1221588	8.706898 down	<i>CCND2</i>	894 chr12:4382937-4414516 (+) // 97.58 // p13.32
210432_s_at	-8.473047	-3.082881	8.473047 down	<i>SCN3A</i>	6328 chr2:165944039-166060553 (-) // 98.62 // q24.3
210942_s_at	-8.363472	-3.064102	8.363472 down	<i>ST3GAL6</i>	10402 chr3:98451129-98512805 (+) // 98.91 // q12.1
211341_at	-8.261066	-3.046328	8.261066 down	<i>POU4F1</i>	5457 chr13:79173231-79177695 (-) // 89.78 // q31.1
203431_s_at	-8.230673	-3.0410104	8.230673 down	<i>ARHGAP32</i>	9743 chr11:128837841-128894009 (-) // 99.98 // q24.3
219837_s_at	-8.186522	-3.0332506	8.186522 down	<i>CYTL1</i>	54360 chr4:5016317-5021199 (-) // 99.7 // p16.2
227954_at	-7.6756253	-2.9402843	7.6756253 down	<i>ITPR1PL2</i>	162073 chr16:19126959-19128212 (+) // 99.21 // p12.3
209602_s_at	-7.51222	-2.9092393	7.51222 down	<i>GATA3</i>	2625 chr10:8096669-8117213 (+) // 95.62 // p14
1553572_a_at	-7.4702373	-2.901154	7.4702373 down	<i>CYGB</i>	114757 chr17:74524601-74533667 (-) // 98.22 // q25.1
213355_at	-7.3717403	-2.8820052	7.3717403 down	<i>ST3GAL6</i>	10402 chr3:98451159-98514689 (+) // 82.31 // q12.1
203139_at	-6.733324	-2.751319	6.733324 down	<i>DAPK1</i>	1612 chr9:90112795-90323543 (+) // 98.7 // q21.33
243716_at	-6.695981	-2.7432954	6.695981 down		chr7:130793390-130794098 (+) // 72.83 // q32.3
226632_at	-6.6721315	-2.7381477	6.6721315 down	<i>CYGB</i>	114757 chr17:74523437-74533767 (-) // 89.66 // q25.1
200952_s_at	-6.590399	-2.7203658	6.590399 down	<i>CCND2</i>	894 chr12:4382937-4414519 (+) // 95.53 // p13.32
232898_at	-6.5737257	-2.7167113	6.5737257 down	<i>DAB2</i>	1601 chr5:39386694-39389681 (-) // 86.89 // p13.1
204030_s_at	-6.4924955	-2.6987731	6.4924955 down	<i>IQCJ-SCHIP1///SCHIP1</i>	29970///100505385 chr3:158991543-159615139 (+) // 96.02 // q25.32
1554876_a_at	-6.1041174	-2.6097827	6.1041174 down	<i>S100Z</i>	170591 chr5:76145924-76217056 (+) // 87.43 // q13.3
225681_at	-5.9987917	-2.584672	5.9987917 down	<i>CTHRC1</i>	115908 chr8:104383731-104395221 (+) // 98.16 // q22.3
223449_at	-5.930281	-2.5681005	5.930281 down	<i>SEMA6A</i>	57556 chr5:115779251-115781281 (-) // 93.01 // q23.1
212298_at	-5.912096	-2.5636697	5.912096 down	<i>NRP1</i>	8829 chr10:33466425-33623596 (-) // 97.9 // p11.22
213558_at	-5.9097977	-2.5631087	5.9097977 down	<i>PCLO</i>	27445 chr7:82449795-82546134 (-) // 99.12 // q21.11
238689_at	-5.797881	-2.5355258	5.797881 down	<i>ADGRF1</i>	266977 chr6:46977124-46980043 (-) // 93.01 // p12.3
212365_at	-5.667199	-2.502636	5.667199 down	<i>MYO1B</i>	4430 chr2:192160843-192290112 (+) // 95.31 // q32.3
201278_at	-5.635524	-2.4945498	5.635524 down	<i>DAB2</i>	1601 chr5:39371775-39425331 (-) // 99.31 // p13.1
238986_at	-5.5264425	-2.466351	5.5264425 down	<i>LINC-PINT</i>	378805 chr7:130792982-130793526 (-) // 81.07 // q32.3
1559315_s_at	-5.5221167	-2.4652214	5.5221167 down	<i>SOCS2-AS1</i>	144481 chr12:93936239-93965628 (-) // 29.03 // q22
201279_s_at	-5.505067	-2.46076	5.505067 down	<i>DAB2</i>	1601 chr5:39373297-39424931 (-) // 98.96 // p13.1
212589_at	-5.4975657	-2.458793	5.4975657 down	<i>RRAS2</i>	22800 chr11:14299467-14317406 (-) // 92.78 // p15.2
230086_at	-5.423466	-2.4392152	5.423466 down	<i>FNBP1</i>	23048 chr9:132686003-132687158 (-) // 94.46 // q34.11
211887_x_at	-5.417957	-2.437749	5.417957 down	<i>MSR1</i>	4481 chr8:15967593-16035497 (-) // 100.0 // p22
216248_s_at	-5.3902392	-2.4303493	5.3902392 down	<i>NR4A2</i>	4929 chr2:157180968-157189041 (-) // 97.76 // q24.1
220030_at	-5.347096	-2.4187555	5.347096 down	<i>STYK1</i>	55359 chr12:10771537-10826639 (-) // 90.75 // p13.2
240413_at	-5.264458	-2.396285	5.264458 down	<i>PYHINI</i>	149628 chr1:158946486-158946838 (+) // 69.89 // q23.1
212094_at	-5.1095023	-2.3531828	5.1095023 down	<i>PEG10</i>	23089 chr7:94285681-94299007 (+) // 95.76 // q21.3
220454_s_at	-5.087796	-2.347041	5.087796 down	<i>SEMA6A</i>	57556 chr5:115782196-115910504 (-) // 98.32 // q23.1
208423_s_at	-5.032096	-2.3311594	5.032096 down	<i>MSR1</i>	4481 chr8:15998287-16050168 (-) // 99.93 // p22
1555536_at	-4.9735675	-2.314281	4.9735675 down	<i>ANTXR2</i>	118429 chr4:80898690-80993854 (-) // 99.85 // q21.21
224215_s_at	-4.9459124	-2.3062367	4.9459124 down	<i>DLL1</i>	28514 chr6:170591329-170599480 (-) // 96.83 // q27
215028_at	-4.8555756	-2.2796423	4.8555756 down	<i>SEMA6A</i>	57556 chr5:115804662-115806106 (-) // 98.9 // q23.1
239519_at	-4.785306	-2.2586112	4.785306 down		chr10:33579295-33579764 (-) // 99.15 // p11.22
219471_at	-4.780052	-2.2570264	4.780052 down	<i>KIAA0226L</i>	80183 chr13:46917101-46961384 (-) // 99.28 // q14.13
225660_at	-4.756199	-2.249809	4.756199 down	<i>SEMA6A</i>	57556 chr5:115781092-115910452 (-) // 97.45 // q23.1
230161_at	-4.7513413	-2.248335	4.7513413 down		chrX:2652753-2653637 (+) // 81.49 // p22.33//chrY:2602753-2603637 (+) // 81.49 // p11.31
225009_at	-4.6335616	-2.2121215	4.6335616 down	<i>CMTM4</i>	146223 chr16:66648653-66652270 (-) // 98.2 // q21
204621_s_at	-4.5959606	-2.2003665	4.5959606 down	<i>NR4A2</i>	4929 chr2:157180950-157189212 (-) // 98.27 // q24.1
222180_at	-4.582189	-2.196037	4.582189 down		chr18:738057-739662 (-) // 34.08 // p11.32
241535_at	-4.580505	-2.1955066	4.580505 down	<i>LOC101060391</i>	101060391 chr2:945313-945594 (-) // 96.9 // p25.3
238365_s_at	-4.5560565	-2.1877856	4.5560565 down	<i>Clorf228</i>	339541 chr1:45190044-45191261 (+) // 95.62 // p34.1
229391_s_at	-4.5317206	-2.180059	4.5317206 down	<i>FAM26F</i>	441168 chr6:116782532-116784946 (+) // 97.23 // q22.1



220336_s_at	-3.2717564	-1.7100654	3.2717564	down	<i>GP6</i>	51206	chr19:55525212-55549632 (-) // 72.12 // q13.42
1558338_at	-3.266691	-1.70783	3.266691	down	<i>SEMA6A</i>	57556	chr5:115822028-115823231 (+) // 79.28 // q23.1
214745_at	-3.2394223	-1.6957365	3.2394223	down	<i>PLCH1</i>	23007	chr3:155197670-155301350 (-) // 99.75 // q25.31
213817_at	-3.2208254	-1.6874305	3.2208254	down	<i>IRAK3</i>	11213	chr12:66645118-66648392 (+) // 64.94 // q14.3
203710_at	-3.2043116	-1.6800145	3.2043116	down	<i>ITPR1</i>	3708	chr3:4535135-4889081 (+) // 99.77 // p26.1
211302_s_at	-3.180942	-1.6694541	3.180942	down	<i>PDE4B</i>	5142	chr1:66258863-66839187 (+) // 99.65 // p31.3
236199_at	-3.1659186	-1.6626241	3.1659186	down			chr10:45925406-45926079 (+) // 40.86 // q11.21
212598_at	-3.1488519	-1.6548259	3.1488519	down	<i>WDFY3</i>	23001	chr4:85590695-85612934 (-) // 97.2 // q21.23
215671_at	-3.1457934	-1.6534239	3.1457934	down	<i>PDE4B</i>	5142	chr1:66834352-66835833 (+) // 82.06 // p31.3
215177_s_at	-3.1221528	-1.6425412	3.1221528	down	<i>ITGA6</i>	3655	chr2:173355948-173369965 (+) // 94.77 // q31.1
244764_at	-3.1087096	-1.6363158	3.1087096	down	<i>HIVEP3</i>	59269	chr1:42312859-42313754 (-) // 54.35 // p34.2
209295_at	-3.0782962	-1.6221321	3.0782962	down	<i>TNFRSF10B</i>	8795	chr8:22877645-22926516 (-) // 84.97 // p21.3
219956_at	-3.0695202	-1.6180131	3.0695202	down	<i>GALNT6</i>	11226	chr12:51747167-51773565 (-) // 78.24 // q13.13
218854_at	-3.0525331	-1.6100069	3.0525331	down	<i>DSE</i>	29940	chr6:116692188-116759440 (+) // 97.62 // q22.1
205821_at	-3.0514643	-1.6095017	3.0514643	down	<i>KLRC4- KLRK1///KLRK1</i>	22914///100528032	chr12:10524952-10560365 (-) // 58.64 // p13.2
222154_s_at	-3.050885	-1.6092278	3.050885	down	<i>SPATS2L</i>	26010	chr2:201171064-201343252 (+) // 98.04 // q33.1
211323_s_at	-3.0438893	-1.6059159	3.0438893	down	<i>ITPR1</i>	3708	chr3:4535137-4888187 (+) // 99.53 // p26.1
205259_at	-3.025023	-1.5969461	3.025023	down	<i>NR3C2</i>	4306	chr4:148999919-149363523 (-) // 98.49 // q31.23
214574_x_at	-3.0129735	-1.591188	3.0129735	down	<i>LST1</i>	7940	chr6:31554976-31556658 (+) // 78.24 // p21.33
204270_at	-3.0042922	-1.5870252	3.0042922	down	<i>SKI</i>	6497	chr1:2160133-2241006 (+) // 96.42 // p36.33
242794_at	-2.9746876	-1.5727382	2.9746876	down	<i>MAML3</i>	55534	chr4:140637908-140638417 (-) // 87.62 // q31.1
201656_at	-2.9735146	-1.5721692	2.9735146	down	<i>ITGA6</i>	3655	chr2:173292369-173371002 (+) // 99.04 // q31.1
201028_s_at	-2.9301672	-1.550983	2.9301672	down	<i>CD99</i>	4267	chrX:2609401-2658845 (+) // 99.65 // p22.33//chrY:2559401-2606297 (+) // 95.11 // p11.31
201029_s_at	-2.9028502	-1.5374701	2.9028502	down	<i>CD99</i>	4267	chrY:2559279-2609274 (+) // 99.19 // p11.31//chrX:2609279-2659274 (+) // 99.19 // p22.33
226002_at	-2.8968012	-1.5344607	2.8968012	down	<i>GAB1</i>	2549	chr4:144359643-144393901 (+) // 99.0 // q31.21
204276_at	-2.8962667	-1.5341945	2.8962667	down	<i>TK2</i>	7084	chr16:66543344-66583701 (-) // 90.66 // q21
210664_s_at	-2.867792	-1.5199404	2.867792	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
216944_s_at	-2.857836	-1.5149231	2.857836	down	<i>ITPR1</i>	3708	chr3:4558175-4888428 (+) // 99.44 // p26.1
240432_x_at	-2.855475	-1.5137308	2.855475	down	<i>KLF7</i>	8609	chr2:207939809-207940236 (-) // 91.16 // q33.3
208116_s_at	-2.850384	-1.5111563	2.850384	down	<i>MAN1A1</i>	4121	chr6:119500316-119670089 (-) // 74.71 // q22.31
1562468_at	-2.849173	-1.5105432	2.849173	down			chr3:190252077-190254598 (-) // 73.32 // q28
210665_at	-2.8453064	-1.508584	2.8453064	down	<i>TFPI</i>	7035	chr2:188343307-188419158 (-) // 94.74 // q32.1
205227_at	-2.838204	-1.5049783	2.838204	down	<i>ILIRAP</i>	3556	chr3:190231890-190369301 (+) // 90.45 // q28
215633_x_at	-2.8362129	-1.5039659	2.8362129	down	<i>LST1</i>	7940	chr6:31553991-31556533 (+) // 68.09 // p21.33
225998_at	-2.828084	-1.499825	2.828084	down	<i>GAB1</i>	2549	chr4:144359643-144393901 (+) // 99.0 // q31.21
221760_at	-2.827976	-1.4997699	2.827976	down	<i>MAN1A1</i>	4121	chr6:119498373-119670926 (-) // 94.18 // q22.31
215813_s_at	-2.819355	-1.4953651	2.819355	down	<i>PTGS1</i>	5742	chr9:125133363-125155457 (+) // 99.91 // q33.2
208092_s_at	-2.8135912	-1.4924128	2.8135912	down	<i>FAM49A</i>	81553	chr2:16733900-16805288 (-) // 95.31 // p24.2
1563335_at	-2.8099935	-1.4905668	2.8099935	down	<i>IRGM</i>	345611	chr5:150228058-150280295 (+) // 77.33 // q33.1
242520_s_at	-2.788553	-1.4795167	2.788553	down	<i>C1orf228</i>	339541	chr1:45166317-45190052 (+) // 99.46 // p34.1
238366_at	-2.7874684	-1.4789555	2.7874684	down	<i>C1orf228</i>	339541	chr1:45190044-45191261 (-) // 95.62 // p34.1
238367_s_at	-2.760469	-1.4649134	2.760469	down	<i>C1orf228</i>	339541	chr1:45190044-45191261 (-) // 95.62 // p34.1
214181_x_at	-2.7590995	-1.4641975	2.7590995	down	<i>LST1</i>	7940	chr6:31554806-31556685 (+) // 58.31 // p21.33
204268_at	-2.7462444	-1.45746	2.7462444	down	<i>S100A2</i>	6273	chr1:153533820-153536381 (-) // 96.26 // q21.3
230315_at	-2.737001	-1.452596	2.737001	down			chr4:38666649-38667210 (-) // 99.29 // p14
227360_at	-2.736843	-1.4525127	2.736843	down			chr19:55555683-55556335 (+) // 77.49 // q13.42
202853_s_at	-2.7348452	-1.4514592	2.7348452	down	<i>RYK</i>	6259	chr3:133875977-133969590 (-) // 89.84 // q22.2
224350_at	-2.728721	-1.4482249	2.728721	down			chr4:38676412-38677218 (+) // 61.53 // p14
214987_at	-2.727907	-1.4477944	2.727907	down	<i>GAB1</i>	2549	chr4:144394611-144395718 (+) // 83.18 // q31.21
230866_at	-2.7226653	-1.4450196	2.7226653	down	<i>CYSLTR1</i>	10800	chrX:77526970-77527698 (-) // 94.96 // q21.1
1555691_a_at	-2.7201173	-1.4436688	2.7201173	down	<i>KLRC4- KLRK1///KLRK1</i>	22914///100528032	chr12:10525783-10544473 (-) // 100.0 // p13.2
205128_x_at	-2.720031	-1.4436231	2.720031	down	<i>PTGS1</i>	5742	chr9:125133358-125155569 (+) // 99.84 // q33.2
206983_at	-2.7179272	-1.4425068	2.7179272	down	<i>CCR6</i>	1235	chr6:167536258-167552416 (+) // 75.59 // q27

235457_at	-2.6913743	-1.428343	2.6913743	down	<i>MAML2</i>	84441	chr11:95709758-95710774 (-) // 98.55 // q21
230775_s at	-2.689842	-1.4275215	2.689842	down	<i>SPG20</i>	23111	chr13:36909514-36920419 (+) // 100.0 // q13.3
203320_at	-2.6891868	-1.42717	2.6891868	down	<i>SH2B3</i>	10019	chr12:111843751-111889426 (+) // 91.76 // q24.12
211581_x at	-2.6832774	-1.4239962	2.6832774	down	<i>LST1</i>	7940	chr6:31554624-31556587 (+) // 80.95 // p21.33
211582_x at	-2.6804364	-1.4224678	2.6804364	down	<i>LST1</i>	7940	chr6:31554475-31556587 (+) // 85.2 // p21.33
210629_x at	-2.670759	-1.4172498	2.670759	down	<i>LST1</i>	7940	chr6:31553977-31556587 (+) // 85.23 // p21.33
216976_s at	-2.6532714	-1.4077723	2.6532714	down	<i>RYK</i>	6259	chr3:133876768-133969598 (-) // 92.23 // q22.2
216633_s at	-2.6483698	-1.4051046	2.6483698	down	<i>PLCHI1</i>	23007	chr3:155093368-155267730 (-) // 99.95 // q25.31
236489_at	-2.6259017	-1.392813	2.6259017	down	<i>ADGRF1</i>	266977	chr6:46965446-46965904 (-) // 76.46 // p12.3
207610_s at	-2.624054	-1.3917974	2.624054	down	<i>ADGRE2</i>	30817	chr19:14846368-14887637 (-) // 97.52 // p13.12
225133_at	-2.622254	-1.3908074	2.622254	down	<i>KLF3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
243343_at	-2.5987997	-1.3778454	2.5987997	down	<i>RASL10A</i>	10633	chr22:29712730-29713196 (-) // 71.18 // q12.2
239111_at	-2.5954928	-1.3760085	2.5954928	down	<i>PRDM8</i>	56978	chr4:81124401-81124892 (-) // 87.17 // q21.21
229661_at	-2.594611	-1.3755182	2.594611	down	<i>SALL4</i>	57167	chr20:50400584-50419014 (-) // 99.04 // q13.2
201212_at	-2.593362	-1.3748237	2.593362	down	<i>LGMN</i>	5641	chr14:93170161-93199163 (-) // 98.92 // q32.12
201601_x at	-2.5805995	-1.3677063	2.5805995	down	<i>IFITM1//IFITM2</i>	8519//10581	chr11:314061-315272 (+) // 98.92 // p15.5
241916_at	-2.561663	-1.3570807	2.561663	down			chr3:146256492-146257226 (-) // 28.17 // q24
1559265_at	-2.5537734	-1.3526305	2.5537734	down	<i>SKIDA1</i>	387640	chr10:21802406-21805716 (-) // 87.55 // p12.31
209683_at	-2.5500638	-1.3500334	2.5500638	down	<i>FAM49A</i>	81553	chr2:16731119-16805288 (-) // 89.02 // p24.2
229450_at	-2.548211	-1.3494848	2.548211	down	<i>IFIT3</i>	3437	chr10:91100175-91100725 (+) // 70.92 // q23.31
228188_at	-2.5464406	-1.3484821	2.5464406	down	<i>FOSL2</i>	2355	chr2:28637749-28640177 (+) // 91.09 // p23.2
1563357_at	-2.535593	-1.3423232	2.535593	down	<i>TNF</i>	7124	chr6:2887602-2888080 (+) // 21.82 // p25.2
225262_at	-2.5207648	-1.3338616	2.5207648	down	<i>FOSL2</i>	2355	chr2:28637668-28639558 (+) // 81.76 // p23.2
204334_at	-2.5045323	-1.3245412	2.5045323	down	<i>KLF7</i>	8609	chr2:207943711-208030739 (-) // 94.27 // q33.3
218627_at	-2.502126	-1.3231544	2.502126	down	<i>DRAMI</i>	55332	chr12:102295100-102317389 (+) // 83.39 // q23.2
209723_at	-2.4989593	-1.3213274	2.4989593	down	<i>SERPINB9</i>	5272	chr6:2887505-2903507 (-) // 57.09 // p25.2
204304_s at	-2.4968367	-1.3201015	2.4968367	down	<i>PROM1</i>	8842	chr4:15969856-16077566 (-) // 99.92 // p15.32
207112_s at	-2.4832594	-1.312235	2.4832594	down	<i>GAB1</i>	2549	chr4:144258266-144390603 (+) // 98.05 // q31.21
220637_at	-2.4825222	-1.3118067	2.4825222	down	<i>FAM124B</i>	79843	chr2:225243415-225266751 (-) // 97.9 // q36.2
227354_at	-2.4735198	-1.3065654	2.4735198	down	<i>PAG1</i>	55824	chr8:81880044-81882262 (-) // 86.34 // q21.13
223161_at	-2.4671276	-1.3028324	2.4671276	down	<i>KIAA1147</i>	57189	chr7:141356529-141365120 (-) // 96.39 // q34
238107_at	-2.4589005	-1.2980133	2.4589005	down			chr7:5465598-5466031 (+) // 97.09 // p22.1
202499_s at	-2.4350529	-1.2839531	2.4350529	down	<i>SLC2A3</i>	6515	chr12:8071826-8088871 (-) // 89.96 // p13.31
235106_at	-2.4189888	-1.2743504	2.4189888	down	<i>MAML2</i>	84441	chr11:95711403-95724879 (-) // 99.8 // q21
230212_at	-2.4176192	-1.2735871	2.4176192	down	<i>SPRY1</i>	10252	chr4:124318381-124318987 (+) // 92.95 // q28.1
224140_at	-2.4149985	-1.2720222	2.4149985	down	<i>NPCDR1</i>	246734	chr3:59956577-59958982 (-) // 86.08 // p14.2
235150_at	-2.3939178	-1.2593735	2.3939178	down	<i>SESN3</i>	143686	chr11:94901858-94902871 (-) // 96.61 // q21
212150_at	-2.3813853	-1.2518011	2.3813853	down	<i>EFR3A</i>	23167	chr8:132916360-133025884 (+) // 98.6 // q24.22
226207_at	-2.3766065	-1.248903	2.3766065	down	<i>RILPL1</i>	353116	chr12:123956368-124018000 (-) // 98.23 // q24.31
223162_s at	-2.3713038	-1.2456806	2.3713038	down	<i>KIAA1147</i>	57189	chr7:141356529-141357648 (-) // 98.42 // q34
238669_at	-2.3697717	-1.2447481	2.3697717	down	<i>PTGS1</i>	5742	chr9:125157277-125158088 (+) // 23.12 // q33.2
1556201_at	-2.3642426	-1.2413781	2.3642426	down	<i>RNASET2</i>	8635	chr6:167351487-167370073 (-) // 95.03 // q27
239803_at	-2.3508003	-1.233152	2.3508003	down			
225140_at	-2.3436596	-1.2287631	2.3436596	down	<i>KLF3</i>	51274	chr4:38699279-38702663 (+) // 98.68 // p14
218832_x at	-2.3120975	-1.2092023	2.3120975	down	<i>ARRB1</i>	408	chr11:74977162-75001084 (-) // 98.54 // q13.4
225913_at	-2.3119028	-1.2090807	2.3119028	down	<i>PEAK1</i>	79834	chr15:77400505-77402248 (-) // 96.95 // q24.3
238032_at	-2.2894626	-1.195009	2.2894626	down			chr1:12674727-12675378 (-) // 95.8 // p36.22
233911_s at	-2.266868	-1.1807004	2.266868	down	<i>PPMIH</i>	57460	chr12:63042213-63328930 (-) // 94.34 // q14.1
219871_at	-2.2543848	-1.1727338	2.2543848	down	<i>KLF3-AS1</i>	79667	chr4:38614321-38666249 (-) // 74.75 // p14
206492_at	-2.2497244	-1.1697483	2.2497244	down	<i>FHIT</i>	2272	chr3:59737946-61237124 (-) // 69.41 // p14.2
213258_at	-2.246551	-1.1677119	2.246551	down	<i>TFPI</i>	7035	chr2:188328956-188330208 (-) // 77.08 // q32.1
202988_s at	-2.2371526	-1.1616637	2.2371526	down	<i>RGS1</i>	5996	chr1:192544950-192549071 (+) // 96.74 // q31.2
244357_at	-2.2299175	-1.1569904	2.2299175	down			chr1:40855741-40856330 (+) // 92.9 // p34.2
239844_x at	-2.2221074	-1.1519285	2.2221074	down	<i>Clorf228</i>	339541	chr1:45190044-45191014 (-) // 96.81 // p34.1
235777_at	-2.2197921	-1.1504246	2.2197921	down	<i>ANKRD44</i>	91526	chr2:197964193-197986168 (-) // 96.48 // q33.1
241342_at	-2.2194238	-1.1501851	2.2194238	down	<i>TMEM65</i>	157378	chr8:125323486-125325408 (-) // 99.59 // q24.13
212149_at	-2.2071788	-1.1422035	2.2071788	down	<i>EFR3A</i>	23167	chr8:132916360-133025884 (+) // 98.6 // q24.22

225622_at	-2.203784	-1.1399828	2.203784	down	<i>PAG1</i>	55824	chr8:81883477-81905544 (-) // 98.76 // q21.13
221676_s at	-2.1941025	-1.133631	2.1941025	down	<i>CORO1C</i>	23603	chr12:109040347-109125280 (-) // 96.49 // q24.11
226782_at	-2.1940198	-1.1335765	2.1940198	down	<i>SLC25A30</i>	253512	chr13:45967279-45968395 (-) // 98.59 // q14.13
216236_s at	-2.165591	-1.1147609	2.165591	down	<i>SLC2A14///SLC2A3</i>	6515///144195	chr12:7966124-8025847 (-) // 96.89 // p13.31
1555420_a_at	-2.1464114	-1.1019267	2.1464114	down	<i>KLF7</i>	8609	chr2:207945087-208031571 (-) // 95.89 // q33.3
225626_at	-2.146095	-1.101714	2.146095	down	<i>PAG1</i>	55824	chr8:81883477-81905544 (-) // 98.76 // q21.13
225467_s at	-2.1450484	-1.1010102	2.1450484	down	<i>RDH13</i>	112724	chr19:5555302-55574525 (-) // 81.14 // q13.42
203006_at	-2.1407712	-1.0981306	2.1407712	down	<i>INPP5A</i>	3632	chr10:134351646-134596979 (+) // 96.36 // q26.3
242644_at	-2.1389115	-1.0968767	2.1389115	down	<i>TMC8</i>	147138	chr17:76135326-76135809 (+) // 49.59 // q25.3
229589_x_at	-2.136825	-1.0954688	2.136825	down	<i>BIVM</i>	54841	chr13:103493722-103493883 (-) // 58.97 // q33.1
1561015_at	-2.1337438	-1.093387	2.1337438	down			chr4:38684730-38685328 (+) // 92.66 // p14
224925_at	-2.1262705	-1.0883251	2.1262705	down	<i>PREX1</i>	57580	chr20:47240786-47444285 (-) // 98.53 // q13.13
227345_at	-2.124941	-1.0874228	2.124941	down	<i>TNFRSF10D</i>	8793	chr8:22993100-22994017 (-) // 95.52 // p21.3
213755_s at	-2.1239905	-1.0867773	2.1239905	down	<i>MORNI</i>	79906	chr1:2238618-2239117 (-) // 100.0 // p36.33
222088_s_at	-2.1238039	-1.0866505	2.1238039	down	<i>SLC2A14///SLC2A3</i>	6515///144195	chr12:7965107-7965839 (-) // 97.84 // p13.31//chr12:8071828-8072848 (-) // 92.32 // p13.31
237497_at	-2.1211627	-1.0848552	2.1211627	down			chr8:19606737-19607113 (-) // 100.0 // p21.3
207339_s_at	-2.1129823	-1.0792807	2.1129823	down	<i>LTB</i>	4050	chr6:31548334-31550202 (-) // 96.76 // p21.33
238045_at	-2.1113608	-1.0781732	2.1113608	down	<i>TMEM65</i>	157378	chr8:125325352-125384206 (-) // 97.91 // q24.13
206360_s_at	-2.1012974	-1.0712804	2.1012974	down	<i>SOCS3</i>	9021	chr17:76354432-76355282 (-) // 99.76 // q25.3
219686_at	-2.1007185	-1.0708829	2.1007185	down	<i>STK32B</i>	55351	chr4:5053526-5502725 (+) // 85.95 // p16.2
227321_at	-2.0991616	-1.0698133	2.0991616	down	<i>GATS</i>	352954	chr7:99798282-99798880 (-) // 96.75 // q22.1
226001_at	-2.096682	-1.0681081	2.096682	down	<i>KLHL5</i>	51088	chr4:39064545-39124043 (+) // 94.21 // p14
222409_at	-2.0908172	-1.064067	2.0908172	down	<i>CORO1C</i>	23603	chr12:109038888-109125293 (-) // 98.11 // q24.11
1554701_a_at	-2.0906687	-1.0639645	2.0906687	down	<i>TBC1D16</i>	125058	chr17:77913820-77987409 (-) // 96.94 // q25.3
1558662_s at	-2.0905843	-1.0639062	2.0905843	down	<i>BANK1</i>	55024	chr4:102982572-102995610 (+) // 88.82 // q24
1552665_at	-2.0782099	-1.0553414	2.0782099	down	<i>JMJD1C-AS1</i>	84989	chr10:65224988-65226320 (+) // 94.78 // q21.3
220008_at	-2.0780458	-1.0552275	2.0780458	down	<i>PEAK1</i>	79834	chr15:77405132-77407654 (-) // 99.1 // q24.3
91682_at	-2.0651817	-1.0462688	2.0651817	down	<i>EXOSC4</i>	54512	chr8:145133638-145134165 (+) // 79.32 // q24.3
203882_at	-2.05512	-1.0392226	2.05512	down	<i>IRF9</i>	10379	chr14:24631349-24635772 (+) // 96.53 // q12
202497_x at	-2.04907	-1.0349692	2.04907	down	<i>SLC2A3</i>	6515	chr12:8071825-8088871 (-) // 89.03 // p13.31
231431_s_at	-2.0431294	-1.0307806	2.0431294	down	<i>INAFM2</i>	100505573	chr15:40617344-40618914 (+) // 97.65 // q15.1
214156_at	-2.0406547	-1.029032	2.0406547	down	<i>MYRIP</i>	25924	chr3:40285936-40301809 (+) // 91.64 // p22.1
227565_at	-2.0313385	-1.0224307	2.0313385	down	<i>KLHL5</i>	51088	chr4:39127137-39127851 (+) // 52.89 // p14
211795_s_at	-2.0305076	-1.0218405	2.0305076	down	<i>FYB</i>	2533	chr5:39108331-39203062 (-) // 94.7 // p13.1
205660_at	-2.0268373	-1.0192304	2.0268373	down	<i>OASL</i>	8638	chr12:121458094-121476780 (-) // 92.09 // q24.31
239814_at	-2.0184207	-1.0132269	2.0184207	down	<i>LOC100506860</i>	100506860	chr7:130606292-130606704 (+) // 83.57 // q32.3
220740_s at	-2.0172389	-1.0123819	2.0172389	down	<i>SLC12A6</i>	9990	chr15:34525665-34610930 (-) // 99.97 // q14
232058_at	-2.0105193	-1.0075682	2.0105193	down			chr19:39155209-39158346 (+) // 90.53 // q13.2
219954_s_at	-2.0077975	-1.0056137	2.0077975	down	<i>GBA3</i>	57733	chr4:22694587-22820747 (+) // 99.76 // p15.2
222915_s at	-2.0048037	-1.0034609	2.0048037	down	<i>BANK1</i>	55024	chr4:102735035-102995967 (+) // 97.01 // q24

Table S10. Results of the gene set enrichment analysis (GSEA)

Class A vs. Class B			Up-regulated in									
			phenotype Class A		phenotype Class B		no significance					
			Regular font	Regular font	significant (NOM <i>p</i> -val < 0.05 and/or FDR <i>q</i> -val < 0.25)							
<i>BCR-ABL1</i> vs. B-others	<i>BCR-ABL1</i>	B-others										
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE			
HSC	Details ...		427	0.38504425	<b>1.3932929</b>	0.06526316	<b>0.21342307</b>	0.321	3372	tags=25%, list=16%, signal=30%		
MLP	Details ...		395	0.3467154	1.2441547	0.14430894	0.34053203	0.491	2935	tags=23%, list=14%, signal=26%		
CMP	Details ...		438	0.2124625	0.7284867	0.8389121	1	0.954	3854	tags=17%, list=19%, signal=20%		
GMP	Details ...		436	0.2802507	0.90381104	0.5767635	0.72851086	0.889	3860	tags=22%, list=19%, signal=26%		
MEP	Details ...		291	0.19636539	0.59480894	0.9129512	0.9860897	0.97	3140	tags=13%, list=15%, signal=16%		
PROB	Details ...		416	0.3306329	1.1458614	0.22672065	0.43777627	0.628	3309	tags=25%, list=16%, signal=29%		
ETP	Details ...		427	0.2147571	0.7615553	0.75936884	1	0.949	3244	tags=15%, list=16%, signal=17%		
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	-0.24252345	-0.92431253	0.5746692	0.48966163	0.871	1404	tags=15%, list=7%, signal=16%		
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	0.40204808	<b>1.5624784</b>	<b>0.016842104</b>	<b>0.07461011</b>	0.114	4164	tags=34%, list=20%, signal=42%		
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	0.32441857	<b>1.5719075</b>	<b>0.01713062</b>	<b>0.10672054</b>	0.109	5305	tags=32%, list=26%, signal=42%		
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	0.411151	<b>1.3626856</b>	0.06458333	<b>0.20569819</b>	0.349	3027	tags=28%, list=15%, signal=33%		
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	0.2673447	0.9607047	0.50509167	0.6516279	0.844	5816	tags=31%, list=28%, signal=43%		
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.23535874	1.1651927	0.23717949	0.45619923	0.604	4172	tags=18%, list=20%, signal=22%		
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.25934812	0.96654636	0.49490836	0.6931102	0.834	5138	tags=31%, list=25%, signal=42%		
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.178186	0.70373774	0.8694737	0.94538474	0.96	7251	tags=36%, list=35%, signal=55%		
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	0.29968482	1.0802611	0.3326087	0.5368191	0.716	3737	tags=23%, list=18%, signal=28%		
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.17643759	0.7143072	0.92402464	0.9864956	0.957	2859	tags=12%, list=14%, signal=13%		
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	0.24868597	1.0398759	0.3966597	0.5791334	0.772	1860	tags=13%, list=9%, signal=15%		
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	0.432701	<b>1.6448773</b>	<b>0.014613778</b>	<b>0.1038042</b>	0.063	4585	tags=35%, list=22%, signal=45%		
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	0.2215256	0.7833966	0.7119675	0.70337427	0.876	3690	tags=22%, list=18%, signal=27%		
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	0.3957557	1.285701	0.17489712	0.8690721	0.399	4728	tags=34%, list=23%, signal=45%		
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.30822465	-1.0496573	0.3901099	0.3824863	0.687	1695	tags=19%, list=8%, signal=20%		
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.24398114	0.9470093	0.52007645	1	0.744	3949	tags=19%, list=19%, signal=23%		
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	0.20469187	0.8165218	0.6257796	1	0.85	4624	tags=18%, list=22%, signal=24%		
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.32052243	0.8100429	0.67479676	0.8340033	0.856	85	tags=7%, list=0%, signal=7%		
<i>ZNF384</i> vs B-others	<i>ZNF384</i>	B-others										
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE			
HSC	Details ...		427	0.2835858	1.0250853	0.39807692	0.58170545	0.8	2934	tags=20%, list=14%, signal=23%		
MLP	Details ...		395	0.32723126	1.146641	0.24691358	1	0.648	3065	tags=24%, list=15%, signal=27%		
CMP	Details ...		438	0.30177703	1.0149037	0.43762377	0.5275197	0.803	4495	tags=27%, list=22%, signal=33%		
GMP	Details ...		436	0.44866922	1.4416528	0.086105675	0.4116998	0.247	4453	tags=35%, list=22%, signal=44%		
MEP	Details ...		291	0.2478456	0.73295116	0.7414141	0.85144323	0.966	4495	tags=24%, list=22%, signal=31%		
PROB	Details ...		416	-0.395991	<b>-1.3795329</b>	0.048140045	<b>0.2020555</b>	0.357	1793	tags=24%, list=9%, signal=25%		
ETP	Details ...		427	-0.45926887	<b>-1.6038558</b>	<b>0.024242423</b>	<b>0.06063638</b>	0.085	4244	tags=47%, list=21%, signal=58%		
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.2712796	1.0277416	0.41749504	0.66818124	0.798	4357	tags=25%, list=21%, signal=32%		
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.23757331	-0.9396474	0.5466102	0.5358448	0.855	1234	tags=11%, list=6%, signal=12%		
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	0.21245362	1.0669464	0.37966806	0.6894222	0.745	3462	tags=14%, list=17%, signal=17%		
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	0.26830626	0.8971017	0.65483236	0.6500913	0.888	3852	tags=26%, list=19%, signal=32%		
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	0.31735578	1.1339107	0.26946107	0.8458506	0.667	3355	tags=19%, list=16%, signal=22%		
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.21598753	1.069103	0.33950618	0.8532883	0.743	4300	tags=19%, list=21%, signal=24%		
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.21508507	0.8038236	0.8016032	0.7872405	0.941	4876	tags=28%, list=24%, signal=37%		
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	-0.26820576	-1.0545843	0.4019231	0.4199718	0.76	4625	tags=29%, list=22%, signal=38%		
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.22237147	-0.7980609	0.7979592	0.7219084	0.935	1653	tags=13%, list=8%, signal=14%		
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	-0.28336656	-1.149015	0.242	0.34335497	0.651	1973	tags=16%, list=10%, signal=18%		
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	-0.31102112	<b>-1.293682</b>	0.12138728	<b>0.2200479</b>	0.47	3614	tags=30%, list=18%, signal=36%		
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	0.24920529	0.9546204	0.5049702	0.58976823	0.847	5372	tags=37%, list=26%, signal=50%		
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.48855025	<b>-1.7044448</b>	<b>0.020283977</b>	<b>0.03657025</b>	0.063	5650	tags=46%, list=27%, signal=64%		
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	0.26368895	0.8477747	0.6564417	0.6116805	0.81	4167	tags=25%, list=20%, signal=31%		
GO_B_CELL_DIFFERENTIATION	Details ...		85	0.3218769	1.0957564	0.33333334	0.63632804	0.584	4814	tags=29%, list=23%, signal=38%		
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	-0.5073712	<b>-1.921831</b>	<b>0.003809524</b>	<b>0.012052342</b>	0.011	2106	tags=25%, list=10%, signal=27%		

KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.16227667	-0.6516001	0.8110687	0.8686813	0.946	3902	tags=20%, list=19%, signal=24%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	-0.5604117	-1.387821	0.1496063	<b>0.15020658</b>	0.295	4743	tags=47%, list=23%, signal=61%

*ETV6-RUNX1* vs. B-others

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	-0.21786429	-0.86942875	0.59683794	0.7801593	0.813	4969 tags=28%, list=24%, signal=37%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	0.24548475	0.8707066	0.6481481	0.66663086	0.89	2340 tags=12%, list=11%, signal=14%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.41190243	<b>1.5640236</b>	<b>0.002061856</b>	<b>0.18525481</b>	0.112	1922 tags=15%, list=9%, signal=16%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.46131882	<b>1.8313085</b>	<b>0.022944551</b>	<b>0.019316595</b>	0.024	3341 tags=29%, list=16%, signal=34%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	-0.2433846	-0.9056543	0.6434263	0.69770795	0.889	2946 tags=27%, list=14%, signal=31%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.25927073	-0.8856509	0.6531008	1	0.806	2376 tags=21%, list=12%, signal=24%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.5092589	<b>-1.7324126</b>	<b>0.016563147</b>	<b>0.05556711</b>	0.046	1227 tags=24%, list=6%, signal=26%
PROB	Details ...		416	0.3534943	1.2441832	0.10970464	0.28647706	0.507	2561 tags=23%, list=12%, signal=26%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	0.44539762	<b>1.4411393</b>	0.086021505	<b>0.08765691</b>	0.232	276 tags=9%, list=1%, signal=9%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	0.28545976	1.0433401	0.3929314	0.38056943	0.759	1697 tags=11%, list=8%, signal=12%
ETP	Details ...		427	0.306408	1.1196309	0.30165288	0.32542035	0.673	4196 tags=31%, list=20%, signal=38%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	0.26112765	1.1067677	0.2805907	0.31340456	0.693	2153 tags=15%, list=10%, signal=16%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.2437901	1.1994324	0.1602434	0.27883998	0.567	4516 tags=20%, list=22%, signal=25%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.30406448	1.1994805	0.23632812	0.31867427	0.567	4735 tags=27%, list=23%, signal=35%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	0.3371174	1.291712	0.09917355	0.32648227	0.429	3462 tags=25%, list=17%, signal=30%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.31907666	1.2856052	0.10570825	0.27150285	0.438	3270 tags=22%, list=16%, signal=27%
HSC	Details ...		427	0.35246667	1.291934	0.13530655	0.4353097	0.429	2752 tags=20%, list=13%, signal=22%
GMP	Details ...		436	-0.4680291	<b>-1.4450107</b>	0.07114624	<b>0.12570913</b>	0.237	2362 tags=32%, list=11%, signal=35%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	0.28129187	1.1286775	0.25887266	0.34806755	0.661	3385 tags=22%, list=16%, signal=26%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	-0.33696884	-0.8414481	0.65416664	0.6189038	0.831	721 tags=13%, list=3%, signal=14%
MLP	Details ...		395	0.2400318	0.84108746	0.75527424	0.68120414	0.908	3447 tags=18%, list=17%, signal=21%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	0.29936317	<b>1.464874</b>	0.05487805	<b>0.21298008</b>	0.202	1643 tags=10%, list=8%, signal=11%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.283891	-0.95962983	0.48320895	0.8606105	0.85	2943 tags=26%, list=14%, signal=31%
MEP	Details ...		291	-0.30309442	-0.89343566	0.61747575	0.54506285	0.894	2881 tags=24%, list=14%, signal=28%
CMP	Details ...		438	0.22949457	0.7711725	0.7484536	0.7754234	0.938	3354 tags=17%, list=16%, signal=20%

*TCF3-PBX1* vs. B-others

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
CMP	Details ...		438	0.32586652	1.1021731	0.34029227	0.5210533	0.699	3384 tags=23%, list=16%, signal=26%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.33986068	1.2457552	0.11354582	0.43214554	0.516	2497 tags=21%, list=12%, signal=24%
HSC	Details ...		427	-0.4208071	<b>-1.4687799</b>	0.027944112	<b>0.22597608</b>	0.222	3286 tags=33%, list=16%, signal=38%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.39589152	<b>-1.356994</b>	0.08224299	<b>0.198057</b>	0.323	3259 tags=28%, list=16%, signal=33%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	0.27603877	1.1855001	0.2138229	0.4349596	0.591	2445 tags=18%, list=12%, signal=20%
PROB	Details ...		416	0.38160735	1.3194193	0.085192695	0.41832665	0.403	1922 tags=25%, list=9%, signal=26%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	-0.44273835	-1.4193217	0.083333336	0.3050259	0.258	3386 tags=38%, list=16%, signal=45%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.20397417	-0.95924336	0.484556	0.58395797	0.849	1842 tags=11%, list=9%, signal=12%
GMP	Details ...		436	-0.37765598	-1.2158542	0.23540856	0.29096565	0.59	3692 tags=32%, list=18%, signal=38%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	0.27039617	1.0993329	0.32700422	0.3767797	0.701	2523 tags=18%, list=12%, signal=21%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.26500264	1.0723418	0.33268103	0.3713723	0.727	1650 tags=12%, list=8%, signal=13%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	0.31886038	1.0611721	0.34764826	0.34737983	0.743	3609 tags=29%, list=18%, signal=35%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	-0.20225948	-0.7982431	0.756	0.7309686	0.938	5085 tags=24%, list=25%, signal=32%
MEP	Details ...		291	0.24541412	0.742564	0.74636173	0.84183764	0.958	2000 tags=13%, list=10%, signal=14%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.30394349	-1.0628031	0.38356164	0.36934367	0.664	1759 tags=15%, list=9%, signal=16%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.28950033	-1.0293299	0.4117647	0.53596157	0.804	2141 tags=21%, list=10%, signal=24%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	-0.25167766	-0.957358	0.50666666	0.50357205	0.849	2594 tags=18%, list=13%, signal=20%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	-0.25686845	-1.27751	0.11720227	0.26095858	0.472	2139 tags=13%, list=10%, signal=14%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	0.28072318	0.99286616	0.48232847	0.4124182	0.808	3085 tags=25%, list=15%, signal=29%
ETP	Details ...		427	0.3801371	1.36164	0.12981744	0.6298791	0.323	3583 tags=38%, list=17%, signal=45%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.4504025	<b>1.7866621</b>	0.01875	<b>0.021707056</b>	0.028	3768 tags=38%, list=18%, signal=46%
MLP	Details ...		395	-0.3747944	-1.284741	0.12749004	0.37789223	0.461	3800 tags=34%, list=18%, signal=40%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.2911295	1.1021544	0.27926078	0.4342111	0.699	3534 tags=20%, list=17%, signal=24%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	0.2900546	1.156765	0.31557378	0.26603422	0.529	4545 tags=28%, list=22%, signal=36%

ZHAN\_LATE\_DIFFERENTIATION\_GENES\_DN

Details ...

15

0.66932607

**1.6901048**

0.014403292

**0.020732343**

0.051

3007 tags=47%, list=15%, signal=55%

*MEF2D* vs. B-others**MEF2D** B-others

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.2726389	-1.0502703	0.4248497	0.3626716	0.628	6782	tags=48%, list=33%, signal=71%
MEP	Details ...	291	-0.30118868	-0.8940909	0.60465115	0.58458924	0.893	2875	tags=24%, list=14%, signal=28%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.60715455	<b>-1.8761901</b>	0.002020202	<b>0.014167548</b>	0.012	2772	tags=41%, list=13%, signal=47%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.38834873	<b>-1.6227574</b>	0.016129032	<b>0.061026108</b>	0.079	2326	tags=24%, list=11%, signal=27%
ETP	Details ...	427	-0.25108448	-0.9030658	0.5647773	0.60572964	0.89	1808	tags=15%, list=9%, signal=16%
CMP	Details ...	438	-0.22391951	-0.7407079	0.81906617	0.8350141	0.948	4025	tags=23%, list=20%, signal=28%
HSC	Details ...	427	-0.50131845	<b>-1.7448</b>	0.001883239	<b>0.033210456</b>	0.024	3036	tags=36%, list=15%, signal=41%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.42140123	<b>-1.4005854</b>	0.035928145	<b>0.101032734</b>	0.324	2773	tags=30%, list=13%, signal=35%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.40482748	<b>-1.5102816</b>	0.027027028	<b>0.06732361</b>	0.178	3000	tags=27%, list=15%, signal=32%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.23389244	-1.127463	0.28735632	0.30887008	0.673	1804	tags=10%, list=9%, signal=11%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.24578278	<b>-1.2027705</b>	0.17533718	<b>0.23711602</b>	0.591	2155	tags=10%, list=10%, signal=11%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.35478416	<b>-1.2504783</b>	0.15471698	<b>0.19968289</b>	0.529	2677	tags=28%, list=13%, signal=32%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.40423915	<b>-1.3743458</b>	0.08139535	<b>0.19130589</b>	0.293	3968	tags=36%, list=19%, signal=45%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	-0.35499617	<b>-1.3710437</b>	0.14258555	<b>0.14548136</b>	0.298	2611	tags=19%, list=13%, signal=21%
PROB	Details ...	416	-0.436582	<b>-1.498075</b>	0.009310987	<b>0.06262935</b>	0.192	2717	tags=32%, list=13%, signal=36%
GMP	Details ...	436	-0.46722898	<b>-1.4756131</b>	0.07214429	<b>0.06318924</b>	0.218	3599	tags=37%, list=17%, signal=44%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.4131423	-1.381007	0.13253012	0.27903908	0.289	4152	tags=32%, list=20%, signal=40%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.42586806	<b>-1.5287412</b>	0.01754386	<b>0.06971969</b>	0.152	4014	tags=35%, list=19%, signal=44%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.34618625	<b>-1.3410786</b>	0.10136452	<b>0.13145205</b>	0.406	4154	tags=36%, list=20%, signal=45%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.24909551	0.96488833	0.52079207	0.41096023	0.815	4190	tags=24%, list=20%, signal=30%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.69963855	<b>1.788855</b>	0.00984252	<b>0.010834215</b>	0.036	1423	tags=40%, list=7%, signal=43%
MLP	Details ...	395	-0.46398437	<b>-1.5844058</b>	0.005976096	<b>0.05909341</b>	0.108	3599	tags=32%, list=17%, signal=38%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	-0.27292845	-1.0913436	0.30666667	0.33270746	0.712	3046	tags=22%, list=15%, signal=26%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.2694766	-0.9919672	0.47155964	0.4693922	0.823	2969	tags=23%, list=14%, signal=27%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.2544765	0.9953195	0.45253864	0.7301392	0.783	3220	tags=17%, list=16%, signal=19%

*MLL* vs. B-others**MLL** B-others

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.21057272	-1.0369345	0.39162114	0.55585116	0.801	6989	tags=28%, list=34%, signal=43%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.2502013	-0.90904367	0.60305345	0.6345673	0.908	5825	tags=30%, list=28%, signal=42%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	0.30430204	<b>1.2417256</b>	0.14692983	<b>0.123810574</b>	0.52	2608	tags=29%, list=13%, signal=33%
PROB	Details ...	416	-0.45543134	<b>-1.516117</b>	0.011605416	<b>0.1720998</b>	0.173	5111	tags=42%, list=25%, signal=55%
MEP	Details ...	291	-0.33724123	-1.0440253	0.41975307	0.5990011	0.795	5725	tags=38%, list=28%, signal=53%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	-0.21812949	-0.82862777	0.7834275	0.75499684	0.947	4706	tags=24%, list=23%, signal=31%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	0.27280214	<b>1.3419154</b>	0.09656652	<b>0.13050388</b>	0.35	3670	tags=34%, list=18%, signal=41%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.3274003	-1.1456975	0.28085867	0.34838322	0.555	4101	tags=25%, list=20%, signal=31%
HSC	Details ...	427	-0.34228325	-1.2220333	0.17924528	0.3051728	0.601	5107	tags=33%, list=25%, signal=42%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.29776564	-1.0076246	0.42971888	0.52686936	0.83	4634	tags=27%, list=22%, signal=35%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.30887288	-1.2231222	0.2725528	0.51314366	0.466	4459	tags=24%, list=22%, signal=30%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	-0.3928583	-0.97310716	0.5086042	0.44822997	0.735	2927	tags=20%, list=14%, signal=23%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.35024467	-1.2000144	0.25426945	0.3840693	0.504	2781	tags=20%, list=13%, signal=23%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	-0.3512177	-1.3516761	0.13282733	0.38649818	0.403	4510	tags=28%, list=22%, signal=36%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.3453731	-1.2684973	0.124282986	0.31298056	0.529	3666	tags=26%, list=18%, signal=31%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.38136402	-1.5188816	0.034545455	0.33775374	0.171	5075	tags=33%, list=25%, signal=43%
CMP	Details ...	438	-0.37443984	-1.2787156	0.1522124	0.35338864	0.514	4668	tags=34%, list=23%, signal=43%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	-0.39144635	-1.5192937	0.124282986	0.29784453	0.183	3727	tags=23%, list=18%, signal=28%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	-0.33204386	-1.2807288	0.13690476	0.43761647	0.51	4265	tags=27%, list=21%, signal=34%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.22377323	-0.79934824	0.79452056	0.7629405	0.953	7316	tags=37%, list=36%, signal=58%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.17815873	-0.6591873	0.9694657	0.9381783	0.982	4619	tags=20%, list=22%, signal=25%
GMP	Details ...	436	-0.39801335	-1.2663008	0.16544117	0.27129975	0.532	5549	tags=42%, list=27%, signal=56%
ETP	Details ...	427	-0.28406894	-1.0160459	0.44064748	0.55085045	0.816	3769	tags=24%, list=18%, signal=29%
MLP	Details ...	395	-0.2685322	-0.96267176	0.5264188	0.5699969	0.864	5732	tags=30%, list=28%, signal=40%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	0.21249282	0.68454885	0.87473905	0.8235605	0.864	2831	tags=34%, list=14%, signal=40%



## MEF2D vs. BCR-ABL1

	MEF2D	BCR-ABL1								
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE	
HSC	Details ...		427	-0.55991477		0	0.007725195	0.011	3110	tags=38%, list=15%, signal=44%
MLP	Details ...		395	-0.49767616		0	0.02722617	0.065	4458	tags=37%, list=22%, signal=47%
CMP	Details ...		438	-0.23486994		0.6711799	0.60765094	0.924	4339	tags=22%, list=21%, signal=28%
GMP	Details ...		436	-0.49094415		0.08429119	0.06130918	0.184	3549	tags=36%, list=17%, signal=42%
MEP	Details ...		291	-0.30996796		0.42277992	0.37418133	0.79	3122	tags=23%, list=15%, signal=26%
PROB	Details ...		416	-0.443811		0.032967035	0.061997276	0.242	3085	tags=33%, list=15%, signal=39%
ETP	Details ...		427	0.27223337		0.5235294	0.70322603	0.859	3198	tags=34%, list=16%, signal=39%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.2977558		0.1602434	0.50500983	0.574	1545	tags=14%, list=7%, signal=15%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.43973002		0.013282732	0.026141524	0.076	4695	tags=42%, list=23%, signal=54%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.3320449		0.001992032	0.01545039	0.011	2174	tags=13%, list=11%, signal=14%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.4679826		0.04227941	0.06560657	0.235	3174	tags=34%, list=15%, signal=40%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.4623361		0.024761904	0.040481698	0.131	2989	tags=27%, list=15%, signal=31%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	-0.28495458		0.043052837	0.058141217	0.249	565	tags=6%, list=3%, signal=6%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	-0.3062215		0.27071825	0.27507016	0.695	3029	tags=26%, list=15%, signal=30%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.20552984		0.6763566	0.6148074	0.914	2084	tags=9%, list=10%, signal=10%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.36684024		0.12660551	0.13978969	0.463	3224	tags=29%, list=16%, signal=34%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	-0.2832713		0.16226415	0.22333099	0.618	3224	tags=22%, list=16%, signal=26%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	-0.38048673		0.03937008	0.060538303	0.2	3454	tags=26%, list=17%, signal=31%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		131	-0.50042725		0.003717472	0.01941353	0.042	3025	tags=33%, list=15%, signal=38%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.42825097		0.17669903	0.22578782	0.332	3298	tags=27%, list=16%, signal=32%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	-0.6558089		0.007874016	0.031400964	0.023	2650	tags=38%, list=13%, signal=43%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.3618838		0.1364562	0.2465922	0.426	4401	tags=31%, list=21%, signal=39%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	-0.38567463		0.05566219	0.07824365	0.103	2496	tags=18%, list=12%, signal=20%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	-0.2587274		0.47081712	0.4448415	0.72	7214	tags=39%, list=35%, signal=60%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.59361887		0.07368421	0.05899445	0.165	2066	tags=40%, list=10%, signal=44%

## MEF2D vs. ZNF384

	MEF2D	ZNF384								
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE	
HSC	Details ...		427	-0.45537835		0.02504817	0.10017619	0.111	3123	tags=32%, list=15%, signal=37%
MLP	Details ...		395	-0.4743248		0	0.09429282	0.062	4699	tags=43%, list=23%, signal=54%
CMP	Details ...		438	-0.23591419		0.7234042	0.7191805	0.969	3999	tags=24%, list=19%, signal=29%
GMP	Details ...		436	-0.51879966		0.072407044	0.10522344	0.157	4058	tags=43%, list=20%, signal=52%
MEP	Details ...		291	-0.2706063		0.66862744	0.73522216	0.962	4423	tags=29%, list=21%, signal=36%
PROB	Details ...		416	-0.32092628		0.21062993	0.32762283	0.685	3169	tags=29%, list=15%, signal=34%
ETP	Details ...		427	0.3719535		0.19455253	0.3552981	0.531	4183	tags=45%, list=20%, signal=55%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.2156179		0.6766467	0.5807886	0.922	4288	tags=25%, list=21%, signal=32%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.30906883		0.165692	0.29107848	0.55	3561	tags=26%, list=17%, signal=31%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.2514339		0.18395303	0.24305908	0.566	2585	tags=13%, list=13%, signal=14%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.37899473		0.15697674	0.27292266	0.566	3523	tags=29%, list=17%, signal=34%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.42816192		0.04696673	0.10506819	0.202	3394	tags=30%, list=16%, signal=35%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	-0.23301883		0.27984345	0.32302526	0.709	1943	tags=9%, list=9%, signal=10%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	-0.2507775		0.10305463	0.40827915	0.855	2787	tags=20%, list=14%, signal=23%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.30126765		0.2667984	0.2757478	0.659	2456	tags=18%, list=12%, signal=20%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.28409308		0.41428572	0.43887773	0.855	4874	tags=37%, list=24%, signal=48%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	-0.2497154		0.35496184	0.4363545	0.829	2382	tags=19%, list=12%, signal=21%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	-0.2869288		0.13754646	0.30693498	0.522	3218	tags=21%, list=16%, signal=25%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	-0.35980752		0.14011516	0.2976569	0.459	3972	tags=28%, list=19%, signal=35%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.22732502		0.7294118	0.77249825	0.905	4164	tags=24%, list=20%, signal=31%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	-0.5121104		0.06395349	0.18550727	0.138	1810	tags=25%, list=9%, signal=27%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.4070255		0.082	0.24106273	0.308	4061	tags=36%, list=20%, signal=45%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.31387928		0.0955414	0.11330178	0.286	1838	tags=19%, list=9%, signal=21%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	-0.20512791		0.66986567	0.9301815	0.876	6786	tags=34%, list=33%, signal=50%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.62830615		0.037037037	0.08664568	0.131	4100	tags=47%, list=20%, signal=58%

## MEF2S vs. ETV6-RUNX1

NAME	ETV6-RUNX1		ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
	GS DETAILS	SIZE							
HSC	Details ...	427	-0.5207219	<b>-1.7415699</b>	<b>0</b>	<b>0.013048964</b>	0.013	3442	tags=36%, list=17%, signal=42%
MLP	Details ...	395	-0.4554994	<b>-1.5546657</b>	<b>0.001908397</b>	<b>0.0650853</b>	0.124	3554	tags=27%, list=17%, signal=32%
CMP	Details ...	438	0.23860385	0.80796397	0.6981132	0.69342726	0.914	2097	tags=16%, list=10%, signal=18%
GMP	Details ...	436	-0.3358098	-1.0225993	0.43650794	0.42068672	0.803	3567	tags=27%, list=17%, signal=32%
MEP	Details ...	291	-0.2626273	-0.7715722	0.7123288	0.76183367	0.956	3280	tags=24%, list=16%, signal=28%
PROB	Details ...	416	-0.45449582	<b>-1.560156</b>	0.005649718	<b>0.08264843</b>	0.118	2882	tags=31%, list=14%, signal=36%
ETP	Details ...	427	-0.2810735	-1.0397136	0.39173228	0.41856575	0.781	3411	tags=20%, list=17%, signal=23%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	-0.27821973	-1.0530092	0.36314848	0.42709875	0.77	3607	tags=21%, list=18%, signal=26%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.3673145	<b>-1.4716812</b>	0.051785715	<b>0.0844893</b>	0.206	3020	tags=27%, list=15%, signal=32%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.2975402	<b>-1.4683046</b>	0.034798536	<b>0.074793324</b>	0.212	1445	tags=11%, list=7%, signal=12%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.361087	-1.1495982	0.25142857	0.30640215	0.646	4839	tags=37%, list=23%, signal=48%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.42166927	<b>-1.4517037</b>	<b>0.035916824</b>	<b>0.065730944</b>	0.232	4036	tags=27%, list=20%, signal=43%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.3540271	<b>-1.7634434</b>	<b>0</b>	<b>0.015797175</b>	0.009	1192	tags=10%, list=6%, signal=11%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.2852411	-1.016811	0.42857143	0.4030134	0.808	3682	tags=29%, list=18%, signal=35%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	-0.22866204	-0.88391423	0.5925926	0.58394057	0.903	3451	tags=17%, list=17%, signal=20%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.3424521	-1.2003022	0.20338982	0.26083913	0.59	3704	tags=31%, list=18%, signal=37%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	-0.30958557	<b>-1.2946593</b>	0.09174312	<b>0.17377716</b>	0.456	3020	tags=24%, list=15%, signal=28%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.35739687	<b>-1.4666427</b>	0.07777778	<b>0.06619124</b>	0.215	2357	tags=22%, list=11%, signal=25%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.43143952	<b>-1.5458136</b>	<b>0.019417476</b>	<b>0.05495718</b>	0.13	1678	tags=20%, list=8%, signal=21%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.32825986	-1.1082524	0.35440612	0.40201268	0.63	2290	tags=15%, list=11%, signal=16%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.5763963	<b>-1.6897358</b>	0.019493178	<b>0.051407482</b>	0.065	4315	tags=41%, list=21%, signal=51%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.37245506	-1.2772937	0.14126395	0.31116232	0.43	4454	tags=33%, list=22%, signal=42%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	-0.47840452	<b>-2.067634</b>	<b>0.003766478</b>	<b>0.00274631</b>	0.002	3061	tags=25%, list=15%, signal=29%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.24859421	-0.99405015	0.45306858	0.4355302	0.73	4454	tags=23%, list=22%, signal=29%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.6849561	<b>1.7149676</b>	<b>0.013043478</b>	<b>0.014252748</b>	0.04	1481	tags=40%, list=7%, signal=43%

## MEF2D vs. TCF3-PBX1

NAME	MEF2D		ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
	GS DETAILS	SIZE							
HSC	Details ...	427	-0.41138855	<b>-1.3979552</b>	0.07858546	<b>0.12273804</b>	0.267	2854	tags=27%, list=14%, signal=30%
MLP	Details ...	395	-0.40068275	<b>-1.2890707</b>	0.10650887	<b>0.18814945</b>	0.415	3835	tags=30%, list=19%, signal=36%
CMP	Details ...	438	-0.3143149	-1.0921514	0.3519669	0.29070708	0.681	3492	tags=22%, list=17%, signal=26%
GMP	Details ...	436	-0.41292468	<b>-1.2675576</b>	0.21626984	<b>0.1912042</b>	0.444	3624	tags=32%, list=18%, signal=38%
MEP	Details ...	291	-0.31540385	-0.9977959	0.47010309	0.37039638	0.755	3492	tags=25%, list=17%, signal=29%
PROB	Details ...	416	-0.51033556	<b>-1.6149615</b>	<b>0</b>	<b>0.08582085</b>	0.049	3468	tags=43%, list=17%, signal=51%
ETP	Details ...	427	-0.2995645	-1.1069431	0.33199194	0.29101986	0.664	3857	tags=22%, list=19%, signal=27%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.31497732	1.1818645	0.19753087	0.49537677	0.538	1699	tags=13%, list=8%, signal=14%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.3511201	<b>-1.3399597</b>	0.11553785	<b>0.1585077</b>	0.344	4430	tags=32%, list=21%, signal=40%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	0.2259413	1.092523	0.31836733	0.25261748	0.662	3484	tags=27%, list=17%, signal=32%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.45649362	<b>-1.4243306</b>	0.05436893	<b>0.12098366</b>	0.23	4440	tags=40%, list=22%, signal=50%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.4677693	<b>-1.5386014</b>	<b>0.040229887</b>	<b>0.07678608</b>	0.109	4274	tags=39%, list=21%, signal=48%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.23925206	-1.1597171	0.2398374	0.27413967	0.586	2342	tags=11%, list=11%, signal=12%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.29794875	-1.0439848	0.40380952	0.331461	0.719	2770	tags=17%, list=13%, signal=20%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.2715347	1.0993532	0.32684824	0.3678706	0.652	1986	tags=14%, list=10%, signal=15%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.3415328	<b>-1.2072387</b>	0.19681908	<b>0.23705277</b>	0.529	3152	tags=23%, list=15%, signal=27%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	-0.27239364	-1.1225892	0.26704547	0.29697374	0.643	2014	tags=15%, list=10%, signal=16%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.3782556	<b>-1.5999783</b>	<b>0.013833992</b>	<b>0.054315872</b>	0.062	4274	tags=33%, list=21%, signal=41%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.4179712	<b>-1.5096012</b>	<b>0.03137255</b>	<b>0.07798514</b>	0.14	4665	tags=40%, list=23%, signal=51%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.46543363	<b>-1.5072578</b>	0.07739308	<b>0.14638454</b>	0.16	3619	tags=24%, list=18%, signal=30%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.49534494	<b>-1.4973127</b>	0.056092843	<b>0.1033216</b>	0.169	4517	tags=44%, list=22%, signal=56%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.28545144	-0.9502197	0.5308411	0.47546723	0.722	3662	tags=27%, list=18%, signal=33%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	-0.478185	<b>-1.9524282</b>	<b>0.005725191</b>	<b>0.007407408</b>	0.006	2787	tags=24%, list=14%, signal=28%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.32853	<b>-1.2702669</b>	0.23651452	<b>0.23432532</b>	0.404	5249	tags=32%, list=25%, signal=43%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.4213063	1.1940904	0.2880734	0.25209868	0.492	2021	tags=27%, list=10%, signal=30%

## MEF2D vs. MLL

	MEF2D	MLL								
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE	
HSC	Details ...		427	-0.2578102	-0.94867456	0.54805726	0.68148744	0.929	2243	tags=22%, list=11%, signal=24%
MLP	Details ...		395	-0.3273733	-1.1910142	0.16907217	0.5870933	0.647	2140	tags=24%, list=10%, signal=26%
CMP	Details ...		438	0.36927667	1.2639159	0.14837398	0.32382083	0.499	4549	tags=30%, list=22%, signal=38%
GMP	Details ...		436	-0.21751565	-0.7037327	0.85573125	0.9078087	0.994	1495	tags=16%, list=7%, signal=17%
MEP	Details ...		291	0.32980496	1.0681934	0.37931034	0.40358612	0.802	4549	tags=28%, list=22%, signal=36%
PROB	Details ...		416	0.33889067	1.116676	0.2862823	0.41970366	0.744	5076	tags=33%, list=25%, signal=43%
ETP	Details ...		427	0.3188994	1.1209522	0.33050847	0.47943512	0.735	3772	tags=22%, list=18%, signal=26%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.3264474	1.307679	0.059760958	0.49014145	0.442	4768	tags=27%, list=23%, signal=35%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.4058475	<b>-1.5596058</b>	<b>0.02414487</b>	<b>0.09011908</b>	0.105	3051	tags=38%, list=15%, signal=44%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.23382741	-1.1575043	0.256167	0.47164074	0.695	3273	tags=23%, list=16%, signal=27%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.27384487	-0.95899206	0.52455795	0.81940204	0.92	2000	tags=20%, list=10%, signal=22%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.22620313	-0.828026	0.7519531	0.82969946	0.979	3100	tags=23%, list=15%, signal=26%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.21715538	1.0833764	0.33673468	0.42676443	0.784	5419	tags=22%, list=26%, signal=30%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.21793339	0.83398265	0.8046219	0.70241404	0.978	4928	tags=21%, list=24%, signal=28%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.361927	1.3623966	0.085653104	0.66834474	0.35	3190	tags=19%, list=15%, signal=22%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	0.24659386	0.8712259	0.662	0.68447304	0.964	2201	tags=13%, list=11%, signal=14%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.3456975	1.2929219	0.12307692	0.36313123	0.467	3847	tags=26%, list=19%, signal=32%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	0.30155122	1.1468163	0.25403225	0.5011266	0.692	2876	tags=17%, list=14%, signal=20%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	0.26259133	0.9992043	0.44554454	0.4797112	0.889	3648	tags=24%, list=18%, signal=29%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.21752007	-0.68313664	0.80506825	0.8150065	0.899	1855	tags=17%, list=9%, signal=19%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	-0.45045775	-1.310004	0.16563147	0.41610155	0.332	2943	tags=41%, list=14%, signal=47%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.27843034	-0.93863463	0.5423729	0.7435647	0.736	1290	tags=21%, list=6%, signal=22%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.3563589	<b>1.3873538</b>	0.10944206	<b>0.14221644</b>	0.248	2363	tags=18%, list=11%, signal=20%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	0.3092103	1.1007658	0.3858586	0.31760046	0.544	4743	tags=27%, list=23%, signal=35%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.7101884	<b>1.5805984</b>	<b>0.01863354</b>	<b>0.078717664</b>	0.084	3033	tags=47%, list=15%, signal=55%

## BCR-ABL1 vs. ZNF384

	BCR-ABL1	ZNF384								
NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE	
HSC	Details ...		427	0.3329021	<b>1.3148975</b>	0.09274194	<b>0.247603</b>	0.463	3155	tags=24%, list=15%, signal=28%
MLP	Details ...		395	0.2483688	0.89994586	0.6482618	0.55787325	0.926	2317	tags=15%, list=11%, signal=16%
CMP	Details ...		438	-0.27874678	-0.99502236	0.47137403	0.6671971	0.858	3742	tags=26%, list=18%, signal=31%
GMP	Details ...		436	-0.3475019	-1.1531348	0.3003876	1	0.718	3143	tags=25%, list=15%, signal=29%
MEP	Details ...		291	-0.23295477	-0.7520058	0.7398844	0.81686044	0.969	3947	tags=24%, list=19%, signal=29%
PROB	Details ...		416	0.4256656	<b>1.4628818</b>	0.011976048	<b>0.1531505</b>	0.243	2231	tags=23%, list=11%, signal=25%
ETP	Details ...		427	0.36913177	1.221375	0.248497	0.34304738	0.602	3861	tags=28%, list=19%, signal=34%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	-0.29227155	-1.1160579	0.28320312	0.62796324	0.753	2415	tags=18%, list=12%, signal=21%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	0.3665999	1.5272806	0.025590552	0.25903592	0.163	3166	tags=28%, list=15%, signal=33%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	0.24139813	1.2136037	0.21205822	0.30591586	0.608	7267	tags=40%, list=35%, signal=62%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	0.3629244	1.1553937	0.253493	0.31542262	0.687	2243	tags=20%, list=11%, signal=22%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.23863705	-0.8663546	0.65384614	0.75094604	0.925	2537	tags=17%, list=12%, signal=20%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.2142715	1.1017596	0.29224652	0.32575777	0.745	2841	tags=15%, list=14%, signal=18%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.26156273	0.98945093	0.4698795	0.4388701	0.863	3982	tags=23%, list=19%, signal=28%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.287722	1.1651175	0.26612905	0.33525166	0.669	5160	tags=32%, list=25%, signal=42%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	0.2853937	1.0605781	0.35341364	0.3608388	0.797	2057	tags=15%, list=10%, signal=16%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.27581653	1.145263	0.22709164	0.29724708	0.697	4634	tags=24%, list=22%, signal=31%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	0.3293144	1.3475078	0.09756097	0.25582847	0.417	4158	tags=29%, list=20%, signal=36%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	0.3738848	<b>1.4632499</b>	0.044624746	<b>0.22933134</b>	0.243	3429	tags=27%, list=17%, signal=33%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	0.44692767	<b>1.5633107</b>	0.06477733	<b>0.0994737</b>	0.113	2762	tags=24%, list=13%, signal=28%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	0.32543802	1.0599968	0.39250493	0.4551755	0.624	3772	tags=25%, list=18%, signal=31%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.39062604	<b>-1.3950349</b>	0.051759835	<b>0.096966505</b>	0.254	2542	tags=28%, list=12%, signal=32%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.47088766	<b>1.8202906</b>	0.010416667	<b>0.025877193</b>	0.02	3006	tags=26%, list=15%, signal=30%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	0.18141381	0.7605698	0.7261663	0.7478064	0.889	5027	tags=23%, list=24%, signal=30%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.4770172	1.2754451	0.22037423	0.27409345	0.363	2083	tags=20%, list=10%, signal=22%

## BCR-ABL1 vs. ETV6-RUNX1

BCR-ABL1 ETV6-RUNX1

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...		427	-0.31114438	-1.1953336	0.1741683	0.37494513	0.586	2310 tags=21%, list=11%, signal=24%
MLP	Details ...		395	-0.3030744	-1.0769709	0.32034633	0.43089503	0.736	2472 tags=19%, list=12%, signal=21%
CMP	Details ...		438	-0.21206889	-0.71481895	0.8425197	0.8627592	0.958	3132 tags=17%, list=15%, signal=20%
GMP	Details ...		436	-0.4480152	-1.3704184	0.125	0.4353473	0.328	2876 tags=32%, list=14%, signal=37%
MEP	Details ...		291	-0.28694957	-0.85993016	0.622093	0.6419838	0.896	2934 tags=21%, list=14%, signal=24%
PROB	Details ...		416	-0.2650887	-0.94859165	0.5369979	0.52473	0.837	3619 tags=29%, list=18%, signal=34%
ETP	Details ...		427	0.30985105	1.1386095	0.30374753	0.36693454	0.696	4009 tags=35%, list=19%, signal=43%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.34832114	1.298229	0.09760589	0.47351408	0.457	2366 tags=17%, list=11%, signal=19%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.35549966	-1.4118786	0.082474224	0.65466094	0.277	2615 tags=26%, list=13%, signal=30%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.2656759	-1.3442072	0.11064718	0.3375785	0.368	4809 tags=36%, list=23%, signal=47%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.37624043	-1.2003406	0.17561984	0.43813822	0.579	3114 tags=30%, list=15%, signal=35%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.28532207	-1.0271367	0.39388144	0.481104	0.794	3599 tags=24%, list=17%, signal=29%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	0.18578061	0.9420842	0.55058366	0.4600474	0.874	5411 tags=32%, list=26%, signal=42%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	-0.2865039	-0.9990084	0.45898005	0.48422703	0.806	2412 tags=22%, list=12%, signal=25%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	0.2710478	1.0911027	0.35339805	0.33457196	0.749	3735 tags=24%, list=18%, signal=29%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.31754157	-1.1480569	0.25571725	0.4105276	0.651	2543 tags=22%, list=12%, signal=25%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.29340523	1.2380999	0.13592233	0.3328008	0.559	2768 tags=22%, list=13%, signal=25%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	-0.26869628	-1.1340694	0.29591838	0.38203934	0.666	1761 tags=15%, list=9%, signal=17%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	-0.33430037	-1.2882689	0.12804878	0.34921822	0.459	3558 tags=29%, list=17%, signal=35%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	-0.33154058	-1.1531941	0.2957447	0.7665065	0.482	4354 tags=27%, list=21%, signal=34%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	0.32256535	1.0003976	0.45294118	0.6290546	0.696	777 tags=9%, list=4%, signal=10%
GO_B_CELL_DIFFERENTIATION	Details ...		85	0.24513431	0.85688204	0.6956522	0.60176706	0.823	3406 tags=22%, list=17%, signal=27%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.38159683	<b>1.6096966</b>	0.055343512	<b>0.09204785</b>	0.101	4090 tags=30%, list=20%, signal=37%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	-0.23608595	-0.97131395	0.46753246	0.45193487	0.69	5893 tags=28%, list=29%, signal=39%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	-0.3759541	-1.0500001	0.40618557	0.5480565	0.609	4537 tags=33%, list=22%, signal=43%

*BCR-ABL1 vs. TCF3-PBX1*

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...		427	-0.46716654	<b>-1.5734352</b>	0.012195122	<b>0.12246662</b>	0.093	4066 tags=36%, list=20%, signal=44%
MLP	Details ...		395	-0.40704718	-1.310742	0.09418838	0.21370491	0.42	4433 tags=37%, list=22%, signal=46%
CMP	Details ...		438	0.30091307	1.1100154	0.3046875	0.7202009	0.703	3402 tags=26%, list=17%, signal=31%
GMP	Details ...		436	-0.36700994	-1.1808283	0.26534653	0.27129933	0.603	4677 tags=33%, list=23%, signal=41%
MEP	Details ...		291	-0.22140469	-0.758217	0.7444219	0.78313565	0.954	2631 tags=15%, list=13%, signal=17%
PROB	Details ...		416	0.3184752	1.069569	0.32298136	0.4243027	0.743	2214 tags=24%, list=11%, signal=26%
ETP	Details ...		427	0.37060806	1.3082377	0.15068494	0.51410604	0.436	3068 tags=36%, list=15%, signal=42%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...		103	0.25421357	0.9389307	0.5652174	0.47805476	0.863	2890 tags=17%, list=14%, signal=19%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		153	-0.36240336	-1.3671607	0.10245901	0.24490617	0.328	4397 tags=38%, list=21%, signal=48%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		142	-0.30211174	-1.4248693	0.07751938	0.2425757	0.247	4824 tags=28%, list=23%, signal=37%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		129	-0.32877645	-1.0269518	0.41550696	0.40090322	0.792	2803 tags=22%, list=14%, signal=25%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...		155	-0.30682635	-1.055952	0.3858586	0.38934666	0.761	2865 tags=21%, list=14%, signal=25%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		130	-0.2544951	-1.2651591	0.11133603	0.23656605	0.494	1893 tags=10%, list=9%, signal=11%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...		127	0.2922431	1.0193181	0.43442622	0.42536828	0.807	1142 tags=16%, list=6%, signal=17%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...		123	-0.21940957	-0.95268893	0.5223301	0.47857526	0.856	5606 tags=28%, list=27%, signal=38%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...		136	-0.3302014	-1.2066153	0.18554688	0.26934487	0.564	2137 tags=20%, list=10%, signal=22%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...		129	0.26130936	1.0710151	0.33739838	0.5633745	0.743	1763 tags=15%, list=9%, signal=16%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...		163	-0.27523798	-1.1391889	0.26418787	0.29481143	0.658	1865 tags=14%, list=9%, signal=15%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...		131	-0.36500692	-1.3588246	0.077689245	0.1955894	0.344	3637 tags=28%, list=18%, signal=34%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...		41	0.24271545	0.8820475	0.59411764	0.7784191	0.831	1968 tags=15%, list=10%, signal=16%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...		32	-0.45939055	<b>-1.4555781</b>	0.083333336	<b>0.15063773</b>	0.2	3197 tags=31%, list=16%, signal=37%
GO_B_CELL_DIFFERENTIATION	Details ...		85	-0.29282507	-1.0308138	0.4265306	0.40903133	0.691	5574 tags=34%, list=27%, signal=47%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...		245	0.36273807	<b>1.4989926</b>	0.09224319	<b>0.22109969</b>	0.163	2289 tags=23%, list=11%, signal=26%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...		71	0.1989337	0.84645283	0.6270161	0.63173515	0.852	5858 tags=35%, list=28%, signal=49%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...		15	0.5592389	<b>1.4625896</b>	0.09815951	<b>0.14054985</b>	0.195	3753 tags=47%, list=18%, signal=57%

*BCR-ABL1 vs. MLL*

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
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HSC	Details ...	427	0.4044228	1.4241222	0.037698414	0.3059285	0.258	4146	tags=30%, list=20%, signal=37%
MLP	Details ...	395	0.31747648	1.1404265	0.23921569	0.33267805	0.674	5996	tags=32%, list=29%, signal=44%
CMP	Details ...	438	0.34956992	1.238466	0.15843621	0.25632083	0.543	5292	tags=34%, list=26%, signal=45%
GMP	Details ...	436	0.40144357	<b>1.3054055</b>	0.13572854	<b>0.24990332</b>	0.439	6092	tags=44%, list=30%, signal=61%
MEP	Details ...	291	0.31793317	1.079578	0.3821138	0.36612052	0.753	6027	tags=36%, list=29%, signal=51%
PROB	Details ...	416	0.454425	<b>1.3725628</b>	0.056338027	<b>0.24166383</b>	0.339	4226	tags=35%, list=21%, signal=43%
ETP	Details ...	427	0.27990967	0.9582971	0.496994	0.50549793	0.871	4874	tags=27%, list=24%, signal=35%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.23109023	0.90692085	0.6417323	0.5556088	0.893	6811	tags=38%, list=33%, signal=56%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.19081743	-0.84667027	0.7332054	0.6471128	0.93	2960	tags=29%, list=14%, signal=34%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.17762141	-0.9234932	0.5544933	1	0.885	4285	tags=35%, list=21%, signal=43%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	0.37932086	1.2429253	0.14145383	0.28076243	0.535	4418	tags=31%, list=21%, signal=39%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	0.26739013	0.974147	0.4969072	0.5131569	0.86	6679	tags=35%, list=32%, signal=52%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	0.23022701	1.1967642	0.18379447	0.28443143	0.603	5886	tags=23%, list=29%, signal=32%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	0.21960807	0.81176335	0.81362724	0.7042038	0.941	2799	tags=15%, list=14%, signal=17%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.31698877	1.2675935	0.16733871	0.2769613	0.502	5206	tags=26%, list=25%, signal=35%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	0.31674644	1.1369481	0.27108434	0.31063494	0.68	4516	tags=27%, list=22%, signal=35%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.37534815	1.3854833	0.057803467	0.29162657	0.324	5246	tags=33%, list=25%, signal=43%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	0.3671396	1.3296353	0.13263159	0.25775567	0.407	5798	tags=31%, list=28%, signal=43%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	0.40415445	1.4265857	0.035490606	0.59510696	0.253	4738	tags=33%, list=23%, signal=42%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	0.32858148	1.0477203	0.4108527	0.54060084	0.583	4519	tags=24%, list=22%, signal=31%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	0.2787492	0.847734	0.63619405	0.7134593	0.763	4002	tags=25%, list=19%, signal=31%
GO_B_CELL_DIFFERENTIATION	Details ...	85	0.22334425	0.7971286	0.8130081	0.66449714	0.793	5859	tags=25%, list=28%, signal=34%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.4045734	1.4678504	0.10236221	0.386207	0.164	2113	tags=17%, list=10%, signal=18%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	0.2928628	1.091106	0.37307692	0.63774574	0.545	5650	tags=27%, list=27%, signal=37%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.4672312	1.1712328	0.29803923	0.72580624	0.452	2976	tags=27%, list=14%, signal=31%

ETV6-RUNX1 vs. ZNF384

ETV6-RUNX1 ZNF384

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	0.30762506	1.1857984	0.21138212	0.29069683	0.651	1653	tags=14%, list=8%, signal=15%
MLP	Details ...	395	-0.28604138	-1.05126	0.37890625	0.61724186	0.775	2036	tags=17%, list=10%, signal=18%
CMP	Details ...	438	-0.29700837	-0.9910353	0.48041236	0.58894134	0.822	2879	tags=21%, list=14%, signal=24%
GMP	Details ...	436	-0.5155346	<b>-1.5705045</b>	0.042944785	<b>0.08199722</b>	0.116	4122	tags=44%, list=20%, signal=54%
MEP	Details ...	291	-0.31914726	-0.9549125	0.51814514	0.5434423	0.854	2468	tags=20%, list=12%, signal=22%
PROB	Details ...	416	0.4054452	<b>1.459853</b>	0.013435701	<b>0.20719126</b>	0.224	3275	tags=30%, list=16%, signal=35%
ETP	Details ...	427	0.45977315	<b>1.6445565</b>	<b>0.015037594</b>	<b>0.06815455</b>	0.055	4523	tags=47%, list=22%, signal=59%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.3121761	1.1604263	0.21032505	0.2913991	0.679	2789	tags=17%, list=14%, signal=20%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	0.2912486	1.2258327	0.18199609	0.31871575	0.598	2392	tags=17%, list=12%, signal=19%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	0.21886317	1.0838319	0.3229572	0.32809722	0.767	2374	tags=11%, list=12%, signal=12%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.26426578	-0.8585197	0.68237704	0.6175862	0.907	2849	tags=22%, list=14%, signal=26%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.3001664	-1.0661927	0.37246963	0.8761552	0.76	2890	tags=23%, list=14%, signal=26%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	0.21773127	1.0932559	0.31407943	0.3449819	0.758	2659	tags=13%, list=13%, signal=15%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	0.2435041	0.8836449	0.6535433	0.5660162	0.917	3667	tags=22%, list=18%, signal=27%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.36600646	<b>1.4074094</b>	0.08957952	<b>0.14533682</b>	0.29	4761	tags=36%, list=23%, signal=46%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	0.2687232	0.98638934	0.45180723	0.43441236	0.855	1605	tags=12%, list=8%, signal=13%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.344172	<b>1.4376372</b>	0.028355388	<b>0.16188048</b>	0.262	2532	tags=19%, list=12%, signal=21%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	0.2929088	1.2593709	0.17958412	0.31790474	0.558	4569	tags=34%, list=22%, signal=44%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	0.3127123	1.1966295	0.20547946	0.31482166	0.632	2655	tags=20%, list=13%, signal=23%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	0.2780076	0.9743089	0.47782257	0.6124256	0.733	5938	tags=44%, list=29%, signal=62%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	0.4229534	<b>1.3851029</b>	0.08863199	<b>0.215602</b>	0.281	1470	tags=16%, list=7%, signal=17%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.34185764	-1.1951878	0.22037423	0.49097264	0.502	3859	tags=32%, list=19%, signal=39%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.56618863	<b>2.1224525</b>	<b>0</b>	<b>0</b>	0	2595	tags=30%, list=13%, signal=34%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.16174066	-0.6663109	0.8231579	0.84039307	0.906	5973	tags=28%, list=29%, signal=40%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.34002662	0.9360474	0.54191035	0.5062476	0.758	7021	tags=67%, list=34%, signal=101%

ETV6-RUNX1 vs. TCF3-PBX1

ETV6-RUNX1 TCF3-PBX1

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	0.45037374	<b>1.6050515</b>	<b>0.015414258</b>	<b>0.045036025</b>	0.083	2838	tags=27%, list=14%, signal=30%

MLP	Details ...	395	0.36034408	<b>1.2151666</b>	0.17519686	<b>0.22962758</b>	0.566	3643	tags=26%, list=18%, signal=31%
CMP	Details ...	438	-0.32064238	-1.0827904	0.35185185	0.5251407	0.704	3958	tags=29%, list=19%, signal=36%
GMP	Details ...	436	-0.27779913	-0.89398223	0.57230145	0.53415453	0.88	3829	tags=30%, list=19%, signal=36%
MEP	Details ...	291	-0.30942178	-0.937992	0.52589643	0.5270999	0.847	4100	tags=31%, list=20%, signal=38%
PROB	Details ...	416	-0.3095194	-1.1284134	0.24844721	0.8617429	0.655	2138	tags=21%, list=10%, signal=23%
ETP	Details ...	427	-0.2649728	-1.018303	0.45167652	0.54849255	0.783	4020	tags=29%, list=20%, signal=36%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.32497928	<b>1.1697007</b>	0.23031496	<b>0.24664696</b>	0.616	1437	tags=11%, list=7%, signal=11%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	0.27444625	1.1107068	0.28373015	0.28808472	0.698	3869	tags=31%, list=19%, signal=38%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	0.27990964	<b>1.3376077</b>	0.12842105	<b>0.20234185</b>	0.395	1329	tags=9%, list=6%, signal=10%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.30793363	-0.9966772	0.46341464	0.49535033	0.8	3238	tags=26%, list=16%, signal=30%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	0.2608404	0.9238862	0.52509654	0.47979453	0.854	953	tags=10%, list=5%, signal=10%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	0.3341548	<b>1.6390182</b>	<b>0.001869159</b>	<b>0.059792995</b>	0.055	2420	tags=14%, list=12%, signal=16%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.30829167	-1.0891229	0.3545082	0.68070436	0.699	2223	tags=19%, list=11%, signal=21%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.34617016	<b>1.4048786</b>	0.10176125	<b>0.16923662</b>	0.281	3173	tags=20%, list=15%, signal=24%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	0.2788623	0.99060494	0.45048544	0.41862738	0.812	3052	tags=23%, list=15%, signal=27%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.31811616	<b>1.3188554</b>	0.06877323	<b>0.14933418</b>	0.419	3596	tags=28%, list=17%, signal=34%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.2891913	-1.2582068	0.1573499	0.9429418	0.501	2796	tags=25%, list=14%, signal=28%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	0.34865376	<b>1.3300867</b>	0.09505703	<b>0.16840565</b>	0.405	2805	tags=23%, list=14%, signal=26%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.35583782	<b>-1.2175977</b>	0.23809524	<b>0.31772316</b>	0.45	585	tags=7%, list=3%, signal=8%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	0.54066575	<b>1.713301</b>	<b>0.014373717</b>	<b>0.06604362</b>	0.059	3118	tags=31%, list=15%, signal=37%
GO_B_CELL_DIFFERENTIATION	Details ...	85	0.3815692	<b>1.331248</b>	0.098265894	<b>0.22139142</b>	0.321	2097	tags=21%, list=10%, signal=23%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.2927726	<b>1.2937621</b>	0.17670682	<b>0.17182407</b>	0.363	1605	tags=11%, list=8%, signal=12%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.2960539	<b>-1.1743133</b>	0.28343314	<b>0.24201292</b>	0.496	4489	tags=31%, list=22%, signal=39%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	-0.62315315	<b>-1.593164</b>	<b>0.036734693</b>	<b>0.12531187</b>	0.115	6479	tags=80%, list=31%, signal=117%

*ETV6-RUNX1 vs. MLL*

**ETV6-RUNX1** **MLL**

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	0.3589669	1.3216542	0.11614173	0.37654686	0.462	5098	tags=33%, list=25%, signal=43%
MLP	Details ...	395	0.26694548	0.97626436	0.49355432	0.6047032	0.871	5488	tags=28%, list=27%, signal=37%
CMP	Details ...	438	0.34717962	1.1727625	0.2632653	0.36731946	0.665	5284	tags=34%, list=26%, signal=44%
GMP	Details ...	436	0.2875232	0.93872267	0.54677755	0.6279825	0.897	5382	tags=33%, list=26%, signal=44%
MEP	Details ...	291	0.2864871	0.91015255	0.53512394	0.6358977	0.912	5287	tags=31%, list=26%, signal=41%
PROB	Details ...	416	0.45291397	<b>1.4879017</b>	<b>0.01629328</b>	0.48074457	0.209	5603	tags=44%, list=27%, signal=59%
ETP	Details ...	427	0.3221816	1.1917998	0.23908524	0.4337479	0.642	4563	tags=28%, list=22%, signal=35%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.26493067	0.9985097	0.47348484	0.66904646	0.848	8037	tags=45%, list=39%, signal=73%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.29183754	<b>-1.2081168</b>	0.17540322	<b>0.16049226</b>	0.611	1709	tags=22%, list=8%, signal=23%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.27505866	<b>-1.3281928</b>	0.12311015	<b>0.1654337</b>	0.418	2813	tags=32%, list=14%, signal=36%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	0.29601118	0.9829697	0.4826923	0.64498144	0.864	4990	tags=28%, list=24%, signal=37%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	0.24558762	0.91014946	0.59921414	0.5935045	0.912	4289	tags=23%, list=21%, signal=29%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	0.22696833	1.1850374	0.20622568	0.39252385	0.651	5305	tags=21%, list=26%, signal=28%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	0.20001711	0.735167	0.9029126	0.83332276	0.966	2401	tags=12%, list=12%, signal=13%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.35759082	1.3942577	0.08216433	0.44820482	0.327	3767	tags=24%, list=18%, signal=30%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	0.24739031	0.8999121	0.6212121	0.572946	0.917	6290	tags=31%, list=31%, signal=44%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.33592507	1.2978586	0.116	0.33750913	0.487	6755	tags=39%, list=33%, signal=57%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	0.3262791	1.2854198	0.18787879	0.3030077	0.504	4219	tags=24%, list=20%, signal=30%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	0.3681787	1.3839741	0.05357143	0.3221728	0.351	2736	tags=21%, list=13%, signal=24%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	0.2875598	0.96018064	0.486	0.5380848	0.664	5197	tags=24%, list=25%, signal=33%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	0.360278	1.1559241	0.27364185	0.7503895	0.481	1514	tags=16%, list=7%, signal=17%
GO_B_CELL_DIFFERENTIATION	Details ...	85	0.27312592	0.957426	0.50863725	0.45313677	0.667	4813	tags=25%, list=23%, signal=32%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.49092487	<b>1.730472</b>	0.010638298	<b>0.038418707</b>	0.023	3119	tags=27%, list=15%, signal=31%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	0.27143195	1.0761093	0.38966203	0.6503711	0.566	5858	tags=30%, list=28%, signal=41%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.38861692	1.0391308	0.41910332	0.5429565	0.598	3065	tags=20%, list=15%, signal=23%

*TCF3-PBX1 vs. ZNF384*

**TCF3-PBX1** **ZNF384**

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	-0.40320808	<b>-1.4831235</b>	0.04233871	<b>0.24139935</b>	0.192	2676	tags=26%, list=13%, signal=29%
MLP	Details ...	395	-0.38147688	-1.2901099	0.09832636	0.32356873	0.485	3070	tags=28%, list=15%, signal=33%

CMP	Details ...	438	0.24992786	0.87137586	0.6192385	0.59774107	0.913	3297	tags=20%, list=16%, signal=23%
GMP	Details ...	436	-0.4627429	<b>-1.4353321</b>	<b>0.09430256</b>	<b>0.19762003</b>	0.273	3266	tags=32%, list=16%, signal=37%
MEP	Details ...	291	-0.2551453	-0.80006796	0.6947791	0.73271304	0.945	3055	tags=22%, list=15%, signal=25%
PROB	Details ...	416	0.42371097	<b>1.4645212</b>	<b>0.021868788</b>	<b>0.129171</b>	0.223	2243	tags=26%, list=11%, signal=28%
ETP	Details ...	427	0.4941763	<b>1.6379851</b>	<b>0.010245902</b>	<b>0.057401378</b>	0.061	3136	tags=44%, list=15%, signal=51%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	-0.25262076	-0.94882834	0.5653924	0.5209299	0.875	2196	tags=15%, list=11%, signal=16%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	0.25185832	1.0338773	0.39370078	0.6031875	0.799	1963	tags=14%, list=10%, signal=16%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.22338898	-1.0382372	0.4177215	0.66364384	0.797	3063	tags=15%, list=15%, signal=18%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	0.27075094	0.8744559	0.67058825	0.6676245	0.912	2617	tags=19%, list=13%, signal=21%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.27310827	-0.96550894	0.5	0.5496232	0.859	1206	tags=13%, list=6%, signal=14%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.25152713	-1.2466109	0.15338646	0.31383878	0.555	4176	tags=25%, list=20%, signal=31%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	0.27349314	1.0155418	0.43333334	0.5387141	0.816	3014	tags=22%, list=15%, signal=26%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.25094396	1.0142429	0.4408163	0.4637729	0.818	3167	tags=22%, list=15%, signal=26%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.26430976	-0.99954605	0.4556701	0.55166596	0.826	2737	tags=20%, list=13%, signal=23%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.27763888	1.1166724	0.25252524	0.53226644	0.708	3234	tags=22%, list=16%, signal=26%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	0.30828342	<b>1.3640043</b>	0.073267326	<b>0.18358111</b>	0.381	2279	tags=17%, list=11%, signal=19%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.2564858	-1.0111389	0.4385246	0.6153928	0.815	3135	tags=21%, list=15%, signal=24%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	0.39637882	<b>1.3553913</b>	0.14257029	<b>0.16834812</b>	0.308	2479	tags=27%, list=12%, signal=30%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.43194625	<b>-1.4568392</b>	0.065259114	<b>0.080196485</b>	0.209	1637	tags=22%, list=8%, signal=24%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.44071582	<b>-1.4902897</b>	<b>0.01984127</b>	<b>0.133161</b>	0.179	1253	tags=19%, list=6%, signal=20%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.5140344	<b>1.9196323</b>	<b>0.003795066</b>	<b>0.007498296</b>	0.006	1363	tags=23%, list=7%, signal=24%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	0.21639581	0.91256845	0.5564202	0.5390591	0.802	3993	tags=23%, list=19%, signal=28%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.735791	<b>1.7944173</b>	<b>0.001949318</b>	<b>0.01196319</b>	0.02	4120	tags=67%, list=20%, signal=83%

*TCF3-PBX1 vs. MLL*

**TCF3-PBX1** **MLL**

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	0.2517401	0.92780524	0.57715434	0.57236177	0.88	5979	tags=30%, list=29%, signal=41%
MLP	Details ...	395	0.2057448	0.7141896	0.9233871	0.8633469	0.966	3627	tags=16%, list=18%, signal=19%
CMP	Details ...	438	0.4104302	1.3943605	0.0662768	0.27311063	0.318	5410	tags=39%, list=26%, signal=51%
GMP	Details ...	436	0.31546625	1.0476955	0.40688258	0.5616193	0.786	5697	tags=37%, list=28%, signal=51%
MEP	Details ...	291	0.3476387	1.1548107	0.306	0.38776192	0.676	5259	tags=36%, list=26%, signal=48%
PROB	Details ...	416	0.4899486	<b>1.4781175</b>	<b>0.015968064</b>	0.4558092	0.198	5600	tags=45%, list=27%, signal=60%
ETP	Details ...	427	0.34806627	1.2484359	0.1996008	0.36195222	0.551	5185	tags=30%, list=25%, signal=39%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	0.24412745	0.942185	0.5443299	0.5860665	0.869	4421	tags=21%, list=21%, signal=27%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	-0.31835225	<b>-1.3025936</b>	0.14653465	<b>0.08974387</b>	0.451	2875	tags=34%, list=14%, signal=39%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	-0.2888312	<b>-1.341708</b>	0.1199187	<b>0.14265357</b>	0.387	3598	tags=34%, list=17%, signal=41%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	0.3051638	1.012564	0.444668	0.58633083	0.815	5964	tags=33%, list=29%, signal=46%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	0.26461232	0.9478685	0.54545456	0.6206387	0.864	4534	tags=25%, list=22%, signal=31%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	0.25028655	1.2904232	0.108949415	0.33049166	0.485	2970	tags=15%, list=14%, signal=17%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	0.24199826	0.8819531	0.6572008	0.61457443	0.916	6736	tags=31%, list=33%, signal=47%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	0.29440132	1.1727822	0.25585938	0.4024429	0.652	4941	tags=24%, list=24%, signal=32%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	0.26350853	0.96311647	0.51859504	0.6373868	0.849	4658	tags=23%, list=23%, signal=29%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	0.32923976	1.1943471	0.19787234	0.41365567	0.621	6666	tags=40%, list=32%, signal=58%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	0.36147547	<b>1.3928174</b>	0.09019608	<b>0.20677291</b>	0.322	4343	tags=26%, list=21%, signal=32%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	0.38162494	<b>1.4070104</b>	<b>0.018036073</b>	0.38037086	0.3	3658	tags=27%, list=18%, signal=32%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	0.29746422	0.9606968	0.51473475	0.5902101	0.694	4577	tags=20%, list=22%, signal=25%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.27681774	-0.91106397	0.53346854	0.5222648	0.72	3523	tags=41%, list=17%, signal=49%
GO_B_CELL_DIFFERENTIATION	Details ...	85	0.2119322	0.73381156	0.8879837	0.74244183	0.852	6012	tags=27%, list=29%, signal=38%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	0.49534732	<b>1.6518778</b>	<b>0.039848197</b>	<b>0.092261896</b>	0.061	3572	tags=30%, list=17%, signal=36%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	0.3791179	1.3871608	0.15860735	0.27322334	0.266	4546	tags=27%, list=22%, signal=34%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	0.6068506	<b>1.3755951</b>	0.15667312	<b>0.19059649</b>	0.274	1569	tags=27%, list=8%, signal=29%

*MLL vs. ZNF384*

**MLL** **ZNF384**

NAME	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HSC	Details ...	427	-0.3602687	-1.3291947	0.08	0.67782444	0.456	4483	tags=30%, list=22%, signal=37%
MLP	Details ...	395	-0.2920471	-1.077785	0.3407258	0.6080949	0.817	6048	tags=33%, list=29%, signal=46%
CMP	Details ...	438	-0.38486856	-1.2847217	0.15537849	0.43151215	0.531	4619	tags=34%, list=22%, signal=43%

GMP	Details ...	436	-0.4447087	-1.3825036	0.12151395	0.9220948	0.348	5155 tags=42%, list=25%, signal=55%
MEP	Details ...	291	-0.31384942	-0.9968087	0.4710579	0.5140103	0.889	4776 tags=31%, list=23%, signal=40%
PROB	Details ...	416	-0.3649928	-1.1975577	0.18383838	0.46721157	0.676	5325 tags=37%, list=26%, signal=49%
ETP	Details ...	427	0.27578434	0.96642953	0.484	0.4550565	0.898	2180 tags=28%, list=11%, signal=30%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	Details ...	103	-0.22435215	-0.89051306	0.67172676	0.66637087	0.948	6965 tags=38%, list=34%, signal=57%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	153	0.29758054	<b>1.276326</b>	0.099047616	<b>0.16369705</b>	0.524	3530 tags=35%, list=17%, signal=42%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	142	0.27349702	1.2926681	0.16135459	0.29842776	0.5	4202 tags=37%, list=20%, signal=46%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	129	-0.2997328	-1.0368937	0.39328063	0.5201185	0.862	4538 tags=26%, list=22%, signal=34%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	Details ...	155	-0.26889068	-1.0155545	0.43418467	0.5181047	0.875	3691 tags=21%, list=18%, signal=25%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	130	-0.21085584	-1.0665666	0.35918367	0.5068376	0.828	1126 tags=8%, list=5%, signal=9%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	Details ...	127	-0.18105665	-0.74513465	0.92975205	0.8334727	0.981	5204 tags=22%, list=25%, signal=29%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	Details ...	123	-0.27090392	-1.0673273	0.3670635	0.56084585	0.827	4840 tags=27%, list=23%, signal=35%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	Details ...	136	-0.2121403	-0.8287324	0.75232774	0.7360217	0.965	7331 tags=33%, list=36%, signal=51%
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	Details ...	129	-0.33088732	-1.2717599	0.13320464	0.37340173	0.555	5204 tags=30%, list=25%, signal=40%
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	Details ...	163	-0.28499517	-1.1357241	0.2881002	0.538912	0.755	3330 tags=17%, list=16%, signal=20%
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	Details ...	131	-0.34593272	-1.3036128	0.08928572	0.51848537	0.497	6564 tags=41%, list=32%, signal=60%
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	Details ...	41	-0.29736665	-1.0130945	0.42655936	0.58671945	0.628	3568 tags=20%, list=17%, signal=24%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	Details ...	32	-0.24476583	-0.8143365	0.71399593	0.7791016	0.79	3856 tags=22%, list=19%, signal=27%
GO_B_CELL_DIFFERENTIATION	Details ...	85	-0.326698	-1.1137644	0.29501915	0.841237	0.526	6416 tags=31%, list=31%, signal=44%
HADDAD_B_LYMPHOCYTE_PROGENITOR	Details ...	245	-0.2714281	-1.087142	0.37764934	0.61390996	0.552	2127 tags=13%, list=10%, signal=14%
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	Details ...	71	-0.29482892	-1.1313628	0.3531746	1	0.502	7773 tags=38%, list=38%, signal=61%
ZHAN_LATE_DIFFERENTIATION_GENES_DN	Details ...	15	-0.2629133	-0.6803162	0.81404173	0.82953584	0.866	3982 tags=20%, list=19%, signal=25%



Table S11. Summary of the results of gene set enrichment analysis (GSEA) presented in Table S12

	BCR-ABL1 vs. B-others	ZNF384 vs. B-others	ETV6-RUNX1 vs. B-others	TCF3-PBX1 vs. B-others	MEF2D vs. B-others	MLL vs. B-others	MEF2D vs. BCR-ABL1	MEF2D vs. ZNF384	MEF2S vs. ETV6-RUNX1	MEF2D vs. TCF3-PBX1	MEF2D vs. MLL
Class A	BCR-ABL1	ZNF384	ETV6-RUNX1	TCF3-PBX1	MEF2D	MLL	MEF2D	MEF2D	MEF2D	MEF2D	MEF2D
Class B	B-others	B-others	B-others	B-others	B-others	B-others	BCR-ABL1	ZNF384	ETV6-RUNX1	TCF3-PBX1	MLL
HSC	<b>1.3932929</b>	1.0250853	1.291934	<b>-1.4687799</b>	<b>-1.7448</b>	-1.2220333	<b>-1.7703449</b>	<b>-1.5440434</b>	<b>-1.7415699</b>	<b>-1.3979552</b>	-0.94867456
MLP	1.2441547	1.146641	0.84108746	-1.284741	<b>-1.5844058</b>	-0.96267176	<b>-1.6098431</b>	<b>-1.6092653</b>	<b>-1.5546657</b>	<b>-1.2890707</b>	-1.1910142
CMP	0.7284867	1.0149037	0.7711725	1.1021731	-0.7407079	-1.2787156	<b>-0.8625372</b>	<b>-0.80821854</b>	0.80796397	-1.0921514	1.2639159
GMP	0.90381104	1.4416528	<b>-1.4450107</b>	-1.2158542	<b>-1.4756131</b>	-1.2663008	<b>-1.4626147</b>	<b>-1.5059044</b>	-1.0225993	<b>-1.2675576</b>	-0.7037327
MEP	0.59480894	0.73295116	-0.89343566	0.742564	-0.8940909	-1.0440253	-1.0213622	-0.82557863	-0.7715722	-0.9977959	1.0681934
PROB	1.1458614	<b>-1.3795329</b>	1.2441832	1.3194193	<b>-1.498075</b>	<b>-1.516117</b>	<b>-1.4205911</b>	-1.154881	<b>-1.560156</b>	<b>-1.6149615</b>	1.116676
ETP	0.7615553	<b>-1.6038558</b>	1.1196309	1.36164	-0.9030658	-1.0160459	0.94042677	1.261427	-1.0397136	-1.1069431	1.1209522
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	-0.92431253	1.0277416	<b>1.5640236</b>	1.1021544	0.9953195	-0.82862777	1.1812788	0.8850836	-1.0530092	1.1818645	1.307679
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	<b>1.5624784</b>	-0.9396474	1.1286775	1.0993329	<b>-1.3410786</b>	<b>1.2417256</b>	<b>-1.5921999</b>	-1.2456063	<b>-1.4716812</b>	<b>-1.3399597</b>	<b>-1.5596058</b>
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	<b>1.5719075</b>	1.0669464	<b>1.464874</b>	-0.95924336	-1.127463	<b>1.3419154</b>	<b>-1.773171</b>	<b>-1.2337382</b>	<b>-1.4683046</b>	-1.092523	-1.1575043
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	<b>1.3626856</b>	0.8971017	-0.95962983	1.0611721	<b>-1.4005854</b>	-1.0076246	<b>-1.4258116</b>	-1.2345669	-1.1495982	<b>-1.4243306</b>	-0.95899206
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	0.9607047	1.1339107	0.8707066	0.99286616	<b>-1.5287412</b>	-0.79934824	<b>-1.5170506</b>	<b>-1.4710759</b>	<b>-1.4517037</b>	<b>-1.5386014</b>	-0.820206
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	1.1651927	1.069103	1.1994324	-1.27751	<b>-1.2027705</b>	-1.0369345	<b>-1.4175642</b>	-1.1387703	<b>-1.7634434</b>	-1.1597171	1.0833764
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	0.96654636	0.8038236	-0.9056543	1.2457552	-0.9919672	-0.6591873	-1.1153984	-1.0305463	-1.016811	-1.0439848	0.83398265
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	0.70373774	-1.0545843	1.1994805	-0.7982431	0.96488833	-1.3516761	0.8583869	1.1772594	-0.88391423	1.0993532	1.3623966
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	1.0802611	-0.7980609	1.0433401	-1.0293299	<b>-1.2504783</b>	-0.90904367	<b>-1.2789135</b>	-1.0313615	-1.2003022	<b>-1.2072387</b>	0.8712259
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	0.7143072	-1.149015	1.2856052	1.0723418	-1.0913436	-1.2807288	<b>-1.1788404</b>	-1.0519718	<b>-1.2946593</b>	-1.1225892	1.2929219
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	1.0398759	<b>-1.293682</b>	1.1067677	1.1855001	<b>-1.6227574</b>	-1.5188816	<b>-1.4480186</b>	-1.2642999	<b>-1.4666427</b>	<b>-1.5999783</b>	1.1468163
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	<b>1.6448773</b>	0.9546204	1.291712	-0.957358	<b>-1.5102816</b>	-1.2684973	<b>-1.6601876</b>	-1.3007001	<b>-1.5458136</b>	<b>-1.5096012</b>	0.9992043
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	0.7833966	<b>-1.7044448</b>	<b>-1.7324126</b>	-1.0628031	-1.381007	-1.2000144	<b>-1.3275691</b>	-0.72739416	-1.1082524	<b>-1.5072578</b>	-0.68313664
ZHAN_LATE_DIFFERENTIATION_GENES_UP	1.285701	0.8477747	<b>1.4411393</b>	-1.4193217	<b>-1.8761901</b>	0.68454885	<b>-1.7879483</b>	<b>-1.5258887</b>	<b>-1.6897358</b>	<b>-1.4973127</b>	-1.310004
GO_B_CELL_DIFFERENTIATION	-1.0496573	1.0957564	-0.8856509	<b>-1.356994</b>	<b>-1.3743458</b>	-1.1456975	<b>-1.2489446</b>	<b>-1.3598491</b>	-1.2772937	-0.9502197	-0.93863463
HADDAD_B_LYMPHOCYTE_PROGENITOR	0.9470093	<b>-1.921831</b>	<b>1.8313085</b>	<b>1.7866621</b>	<b>-1.3710437</b>	-1.5192937	<b>-1.5800998</b>	<b>1.3639482</b>	<b>-2.067634</b>	<b>-1.9524282</b>	<b>1.3873538</b>
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	0.8165218	-0.6516001	-0.86942875	1.56765	-1.0502703	-1.2231222	-1.0019308	-0.79008555	-0.99405015	<b>-1.2702669</b>	1.1007658
ZHAN_LATE_DIFFERENTIATION_GENES_DN	0.8100429	<b>-1.387821</b>	-0.8414481	<b>1.6901048</b>	<b>1.788855</b>	-0.97310716	<b>1.4958402</b>	<b>1.5031912</b>	<b>1.7149676</b>	-1.1940904	<b>1.5805984</b>

	BCR-ABL1 vs. ZNF384	BCR-ABL1 vs. ETV6-RUNX1	BCR-ABL1 vs. TCF3-PBX1	BCR-ABL1 vs. MLL	ETV6-RUNX1 vs. ZNF384	ETV6-RUNX1 vs. TCF3-PBX1	ETV6-RUNX1 vs. MLL	TCF3-PBX1 vs. ZNF384	TCF3-PBX1 vs. MLL	MLL vs. ZNF384
Class A	BCR-ABL1	BCR-ABL1	BCR-ABL1	BCR-ABL1	ETV6-RUNX1	ETV6-RUNX1	ETV6-RUNX1	TCF3-PBX1	TCF3-PBX1	MLL
Class B	ZNF384	ETV6-RUNX1	TCF3-PBX1	MLL	ZNF384	TCF3-PBX1	MLL	ZNF384	MLL	ZNF384
HSC	<b>1.3148975</b>	-1.1953336	<b>-1.5734352</b>	1.4241222	1.1857984	<b>1.6050515</b>	1.3216542	<b>-1.4831235</b>	0.92780524	-1.3291947
MLP	0.89994586	-1.0769709	-1.310742	1.1404265	-1.05126	<b>1.2151666</b>	0.97626436	-1.2901099	0.7141896	-1.077785
CMP	-0.99502236	-0.71481895	1.1100154	1.238466	-0.9910353	-1.0827904	1.1727625	0.87137586	1.3943605	-1.2847217
GMP	-1.1531348	-1.3704184	-1.1808283	<b>1.3054055</b>	<b>-1.5705045</b>	-0.89398223	0.93872267	<b>-1.4353321</b>	1.0476955	-1.3825036
MEP	-0.7520058	-0.85993016	-0.758217	1.079578	-0.9549125	-0.937992	0.91015255	-0.80006796	1.1548107	-0.968087
PROB	<b>1.4628818</b>	-0.94859165	1.069569	<b>1.3725628</b>	<b>1.459853</b>	-1.1284134	<b>1.4879017</b>	<b>1.4645212</b>	<b>1.4781175</b>	-1.1975577
ETP	1.221375	1.1386095	1.3082377	0.9582971	<b>1.6445565</b>	-1.018303	1.1917998	<b>1.6379851</b>	1.2484359	0.96642953
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_DN	-1.1160579	1.298229	0.9389307	0.90692085	1.1604263	<b>1.1697007</b>	0.9985097	-0.94882834	0.942185	-0.89051306
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	1.5272806	-1.4118786	-1.3671607	-0.84667027	1.2258327	1.1107068	<b>-1.2081168</b>	1.0338773	<b>-1.3025936</b>	<b>1.276326</b>
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	1.2136037	-1.3442072	-1.4248693	-0.9234932	1.0838319	<b>1.3376077</b>	<b>-1.3281928</b>	-1.0382372	<b>-1.341708</b>	1.2926681
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	1.1553937	-1.2003406	-1.0269518	1.2429253	-0.8585197	-0.9966772	0.9829697	0.8744559	1.012564	-1.0368937
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	-0.8663546	-1.0271367	-1.055952	0.974147	-1.0661927	0.9238862	0.91014946	-0.96550894	0.9478685	-1.0155545
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	1.1017596	0.9420842	-1.2651591	1.1967642	1.0932559	<b>1.6390182</b>	1.1850374	-1.2466109	1.2904232	-1.0665666
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	0.98945093	-0.9990084	1.0193181	0.81176335	0.8836449	-1.0891229	0.735167	1.0155418	0.8819531	-0.74513465
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	1.1651175	1.0911027	-0.95268893	1.2675935	<b>1.4074094</b>	<b>1.4048786</b>	1.3942577	1.0142429	1.1727822	-1.0673273
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	1.0605781	-1.1480569	-1.2066153	1.1369481	0.98638934	0.99060494	0.8999121	-0.99954605	0.96311647	-0.8287324
GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP	1.145263	1.2380999	1.0710151	1.3854833	<b>1.4376372</b>	<b>1.3188554</b>	1.2978586	1.1166724	1.1943471	-1.2717599
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	1.3475078	-1.1340694	-1.1391889	1.3296353	1.2593709	-1.2582068	1.2854198	<b>1.3640043</b>	<b>1.3928174</b>	-1.1357241
GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN	<b>1.4632499</b>	-1.2882689	-1.3588246	1.4265857	1.1966295	<b>1.3300867</b>	1.3839741	-1.0111389	<b>1.4070104</b>	-1.3036128
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	<b>1.5633107</b>	-1.1531941	0.8820475	1.0477203	0.9743089	<b>-1.2175977</b>	0.96018064	<b>1.3553913</b>	0.9606968	-1.0130945
ZHAN_LATE_DIFFERENTIATION_GENES_UP	1.0599968	1.0003976	<b>-1.4555781</b>	0.847734	<b>1.3851029</b>	<b>1.713301</b>	1.1559241	<b>-1.4568392</b>	-0.91106397	-0.8143365
GO_B_CELL_DIFFERENTIATION	<b>-1.3950349</b>	0.85688204	-1.0308138	0.7971286	-1.1951878	1.331248	0.957426	<b>-1.4902897</b>	0.73381156	-1.1137644
HADDAD_B_LYMPHOCYTE_PROGENITOR	<b>1.8202906</b>	<b>1.6096966</b>	<b>1.4989926</b>	1.4678504	<b>2.1224525</b>	<b>1.2937621</b>	<b>1.730472</b>	<b>1.9196323</b>	<b>1.6518778</b>	-1.087142
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	0.7605698	-0.97131395	0.84645283	1.091106	-0.6663109	<b>-1.1743133</b>	1.0761093	0.91256845	1.3871608	-1.1313628
ZHAN_LATE_DIFFERENTIATION_GENES_DN	1.2754451	-1.0500001	<b>1.4625896</b>	1.1712328	0.9360474	<b>-1.593164</b>	1.0391308	<b>1.7944173</b>	<b>1.3755951</b>	-0.6803162

upregulated in phenotype Class , phenotype Class B  
Regular font      Regular font  
**Bold font**      **Bold font**      significant (NOM *p* -val < 0.05 and/or FDR *q* -val < 0.25)

## Legend for Supplementary Figures

**Figure S1. Flow chart of the analysis of patients.** The respective numbers of patients and cohorts that were investigated were presented in a hierarchical fashion. See also Table S1.

**Figure S2. Hierarchical clustering analysis of filtered microarray data obtained from B-ALLs with *MEF2D* fusion-positive or other types of genetic abnormalities and B-others.** Two-way hierarchical clustering analysis on the microarray data, including B-ALLs with *MEF2D* fusion-positive or other types of genetic abnormalities and B-others, were performed similarly as in **Figure 3**.

**Figure S3. Immunophenotypic characteristics of B-ALL patients with *MEF2D* fusions.** The positivity (percentage) of CD10 and CD22 of B-ALLs with *MEF2D* fusion-positive or other types of genetic abnormalities and B-others was plotted on a scattergram as in **Figure 2**.

**Figure S4. Hierarchical clustering analysis of filtered microarray data obtained from *MEF2D* fusions or *TCF3-PBX1*-positive B-ALLs and B-others.** Two-way hierarchical clustering was performed on either (A) all filtered microarray data or (B) up and down fold change >2.0 of *MEF2D* fusions or *TCF3-PBX1*-positive B-ALLs and B-others. The results are displayed using a heat map as a dendrogram.

**Figure S5. Summary of differentially expressed genes in *MEF2D* fusions or *TCF3-PBX1*-positive B-ALLs.** B-cell differentiation-related genes which differentially expressed in *MEF2D* fusions or *TCF3-PBX1*-positive B-ALLs listed in Table S9 were schematically summarized.

**Figure S1**

**Patient selection and analyses carried out for each case**

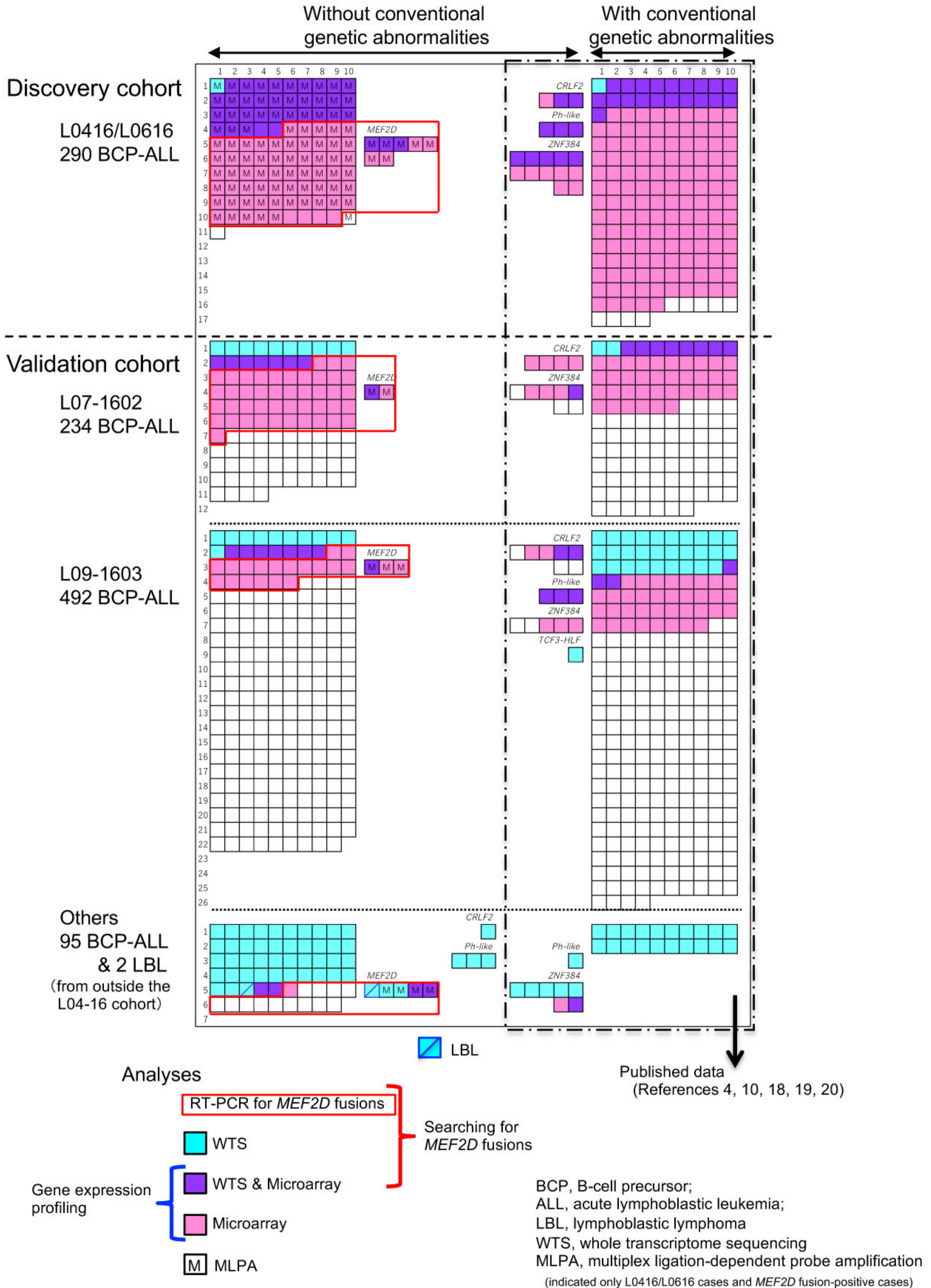


Figure S2

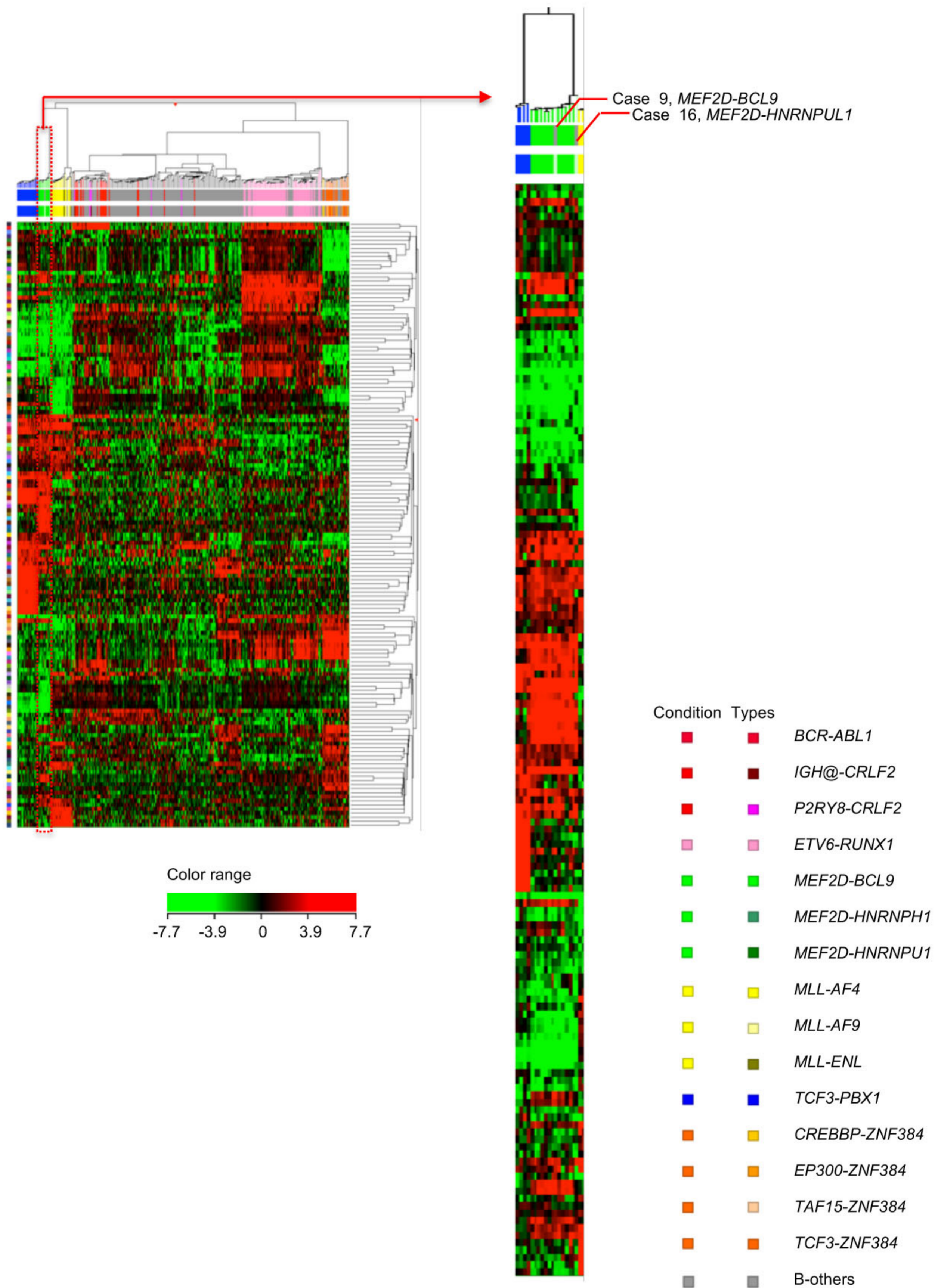


Figure S3

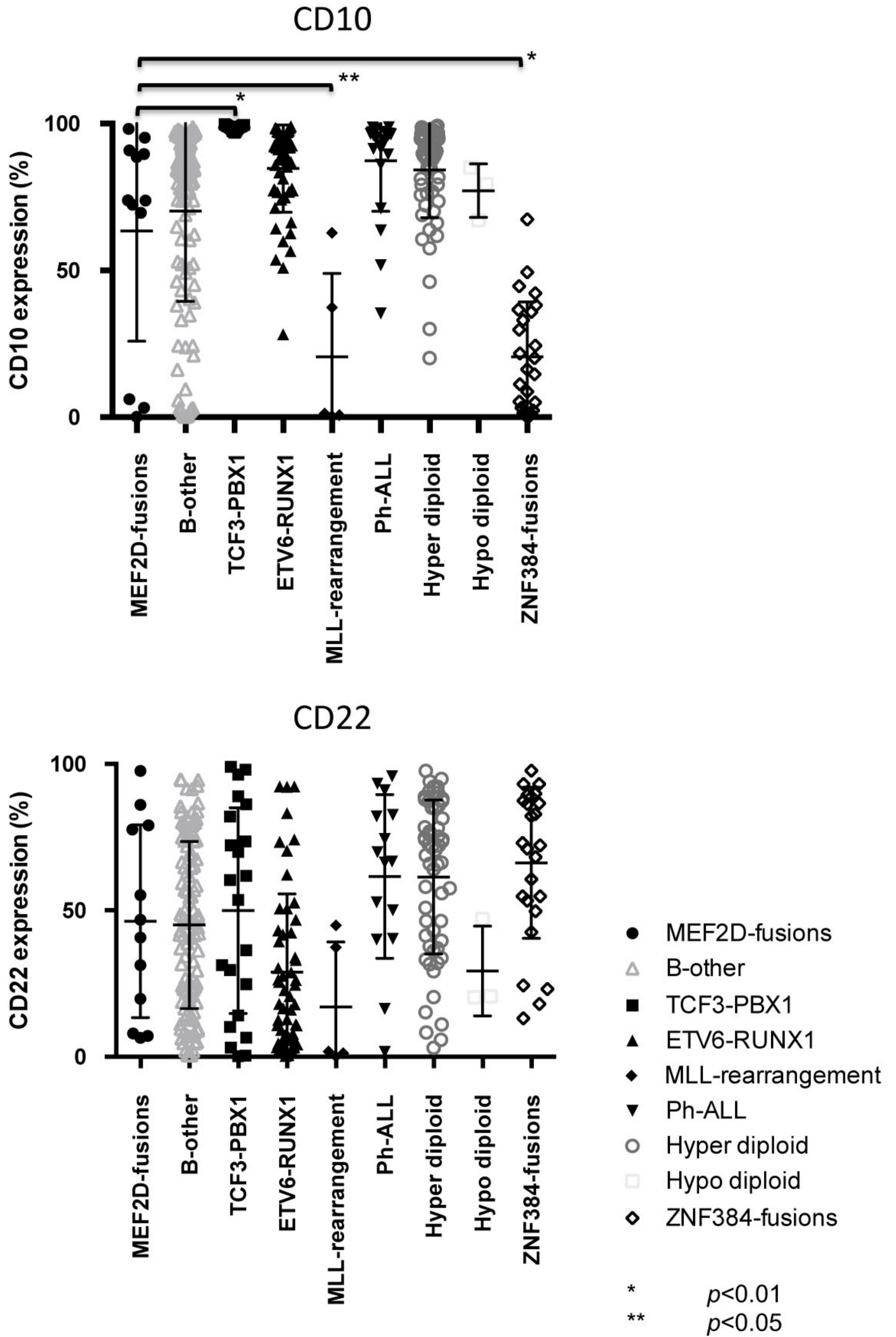
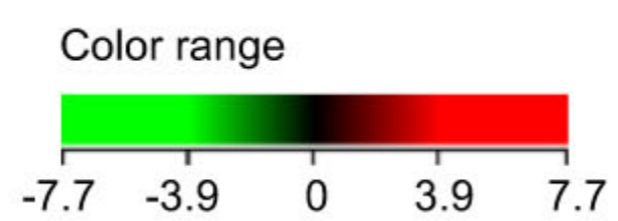
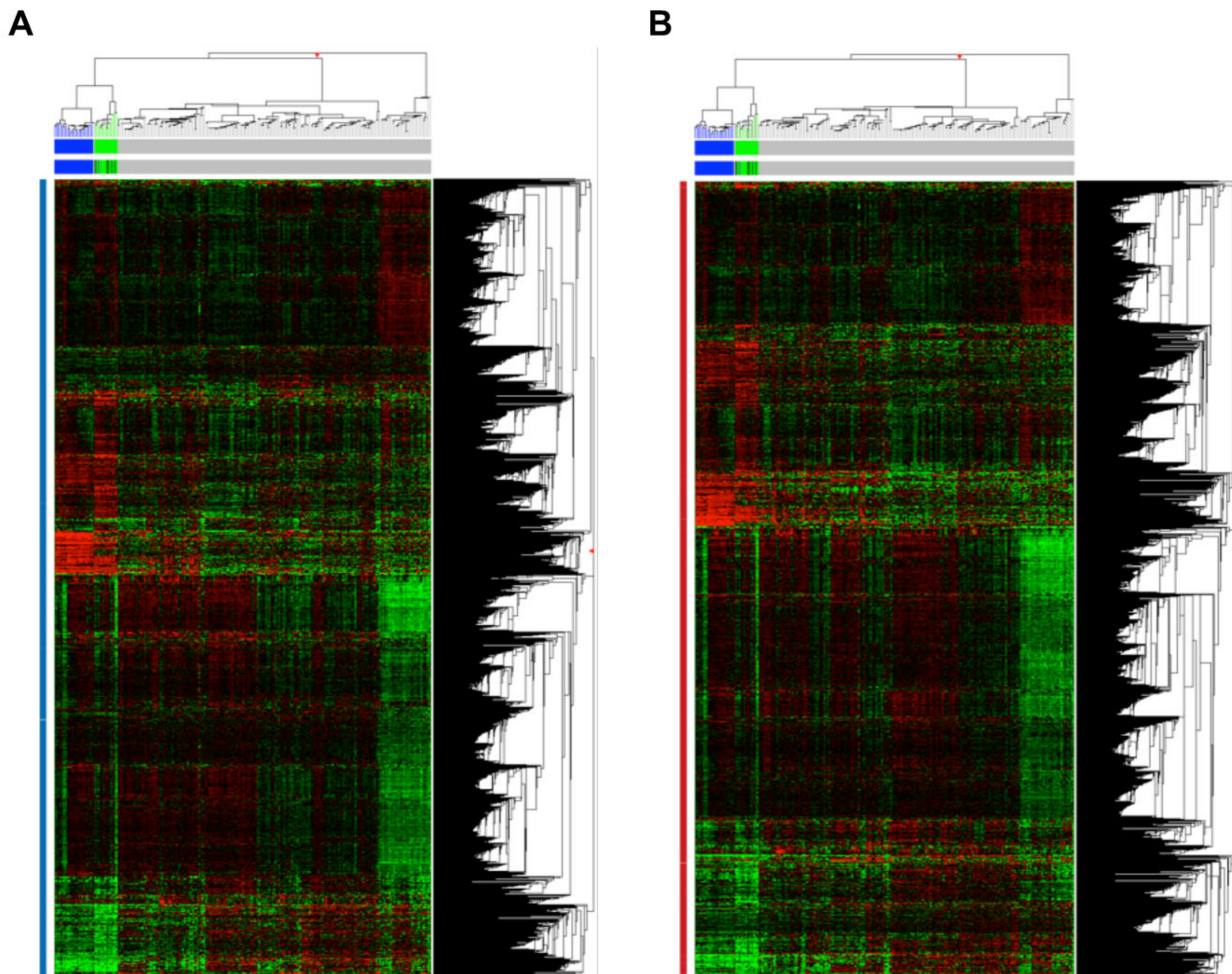


Figure S4



Condition Types

- B-others
- *MEF2D-BCL9*
- *MEF2D-HNRNPH1*
- *MEF2D-HNRNPU1*
- *TCF3-PBX1*

**Figure S5**

