

**Supplementary Table 1d. Molecular signature associated to the tumor transformation from NOSEs to TOVs in *BRCA1*-mutated samples**

Probe set	Gene Symbol (HUGO)	Entrez Gene ID	Gene Description	Cytoband (HUGO)	T-Statistic	Q-Value
V00535_ma2_s_at	<i>IFNB1</i>	3456	interferon, beta 1, fibroblast	9p21	-8.68	0.007
L15326_s_at	<i>PTGS2</i>	5743	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	1q25.2-q25.3	-8.35	0.007
D28235_s_at	<i>PTGS2</i>	5743	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	1q25.2-q25.3	-8.34	0.007
V00551_f_at	<i>IFNA10</i>	3446	interferon, alpha 10	9p22	-7.78	0.009
M21642_s_at	<i>SERPINC1</i>	462	serpin peptidase inhibitor, clade C (antithrombin), member 1	1q23-q25.1	-7.71	0.009
X51441_at	<i>SAA2</i>	6289	serum amyloid A2	11p15.1-p14	-7.44	0.01
HG4094-HT4364_s_at	<i>TFCP2</i>	7024	transcription factor CP2	12q13	-7.14	0.011
U59058_s_at	<i>CRYBA1</i>	1411	crystallin, beta A1	17q11.2	-7.09	0.011
X78711_at	<i>GK3P</i>	2713	glycerol kinase 3 pseudogene	4q32.1	-7.06	0.011
U25975_at	<i>PAK2</i>	5062	p21 (CDKN1A)-activated kinase 2	3q29	-6.91	0.011
X15422_at	<i>MBL2</i>	4153	mannose-binding lectin (protein C) 2, soluble (opsonic defect)	10q11.2-q21	-6.72	0.012
HG2147-HT2217_at	<i>MUC3A</i>	4584	mucin 3A, cell surface associated	7q22	-6.66	0.013
J03242_s_at	<i>IGF2</i>	3481	insulin-like growth factor 2 (somatomedin A)	11p15.5	-6.54	0.013
X51441_s_at	<i>SAA2</i>	6289	serum amyloid A2	11p15.1-p14	-6.51	0.013
HG4063-HT4333_s_at		2291			-6.5	0.013
X57809_at	<i>IGL@</i>	3535	immunoglobulin lambda locus	22q11.1-q11.2	-6.38	0.013
Y09943_s_at	<i>BTG2</i>	7832	BTG family, member 2	1q32	-6.38	0.013
X93017_at	<i>SLC8A3</i>	6547	solute carrier family 8 (sodium-calcium exchanger), member 3	14q24.1	-6.35	0.013
Y11180_at	<i>TWIST1</i>	7291	twist homolog 1 (acrocephalosyndactyly 3; Saethre-Chotzen syndrome) ( <i>Drosophila</i> )	7p21.2	-6.2	0.014
D00003_s_at	<i>CYP3A4</i>	1576	cytochrome P450, family 3, subfamily A, polypeptide 4	7q21.1	-6.2	0.014
Z22534_at	<i>ACVR1</i>	90	activin A receptor, type I	2q23-q24	-6.18	0.014

U58675_cds2_at	<i>OR3A1</i>	4994	olfactory receptor, family 3, subfamily A, member 1	17p13.3	-6.17	0.014
L17418_cds2_s_at	<i>CR1</i>	1378	complement component (3b/4b) receptor 1 (Knops blood group)	1q32	-6.13	0.014
M26901_s_at	<i>REN</i>	5972	renin	1q32	-6.04	0.015
U73167_cds2_s_at	<i>NAT6</i>	24142	N-acetyltransferase 6	3p21.3	-6	0.015
U24685_at	<i>IGHM</i>	3507	immunoglobulin heavy constant mu	14q32.33	-5.98	0.015
X00090_f_at	<i>HIST1H3B</i>	8358	histone cluster 1, H3b	6p21.3	-5.92	0.016
U43916_s_at	<i>EMP1</i>	2012	epithelial membrane protein 1	12p12.3	-5.87	0.016
X06182_s_at	<i>KIT</i>	3815	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	4q11-q12	-5.85	0.016
U33880_at	<i>ITGB1</i>	3688	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	10p11.2	-5.83	0.016
J03474_at	<i>SAA2</i>	6289	serum amyloid A2	11p15.1-p14	-5.77	0.017
HG2999-HT4756_s_at	<i>TPO</i>	7173	thyroid peroxidase	2p25	-5.73	0.017
M10051_s_at	<i>INSR</i>	3643	insulin receptor	19p13.3-p13.2	-5.73	0.017
K03189_f_at	<i>CGB</i>	1082	chorionic gonadotropin, beta polypeptide	19q13.32	-5.7	0.018
X91103_at	<i>HR44</i>	27251	Hr44 antigen		-5.69	0.018
J02874_at	<i>FABP4</i>	2167	fatty acid binding protein 4, adipocyte	8q21	-5.63	0.018
U12707_s_at	<i>WAS</i>	7454	Wiskott-Aldrich syndrome (eczema-thrombocytopenia)	Xp11.4-p11.21	-5.6	0.018
Y10202_at	<i>LRRC16</i>	55604	leucine rich repeat containing 16	6p22.2	-5.58	0.018
U10689_f_at	<i>MAGEA5</i>	4104	melanoma antigen family A, 5	Xq28	-5.56	0.018
D85759_s_at	<i>DYRK1A</i>	1859	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	21q22.13	-5.55	0.018
Z48512_at	<i>XG</i>	7499	Xg blood group	Xp22.32	-5.54	0.018
M19154_at	<i>TGFB2</i>	7042	transforming growth factor, beta 2	1q41	-5.53	0.018
HG2479-HT2575_at	<i>TCF4</i>	6925	transcription factor 4	18q21.1	-5.51	0.018
HG2441-HT2537_s_at	<i>RB1</i>	5925	retinoblastoma 1 (including osteosarcoma)	13q14.2	-5.5	0.018
M13058_s_at	<i>PRH2</i>	5555	proline-rich protein HaellI subfamily 2	12p13.2	-5.47	0.018
M16336_s_at	<i>CD2</i>	914	CD2 molecule	1p13	-5.44	0.018
Z22536_at	<i>ACVR1B</i>	91	activin A receptor, type IB	12q13	-5.39	0.019
HG2147-HT2217_r_at	<i>MUC3A</i>	4584	mucin 3A, cell surface associated	7q22	-5.37	0.02
S62907_s_at	<i>GABRA2</i>	2555	gamma-aminobutyric acid (GABA) A receptor, alpha 2	4p12	-5.35	0.02

Z49825_s_at	<i>HNF4A</i>	3172	hepatocyte nuclear factor 4, alpha	20q12-q13.1	-5.31	0.02
M58026_at	<i>CALML3</i>	810	calmodulin-like 3	10pter-p13	-5.3	0.02
M61855_at	<i>CYP2C9</i>	1559	cytochrome P450, family 2, subfamily C, polypeptide 9	10q24	-5.26	0.021
X83857_s_at	<i>PTGER3</i>	5733	prostaglandin E receptor 3 (subtype EP3)	1p31.2	-5.25	0.021
X83492_s_at	<i>FAS</i>	355	Fas (TNF receptor superfamily, member 6)	10q24.1	-5.25	0.021
M28439_at	<i>KRT16</i>	3868	keratin 16 (focal non-epidermolytic palmoplantar keratoderma)	17q12-q21	-5.19	0.022
Z23090_at	<i>HSPB1</i>	3315	heat shock 27kDa protein 1	7q11.23	-5.19	0.022
M60503_at	<i>FLG</i>	2312	filaggrin	1q21.3	-5.18	0.022
S69231_s_at	<i>DCT</i>	1638	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	13q32	-5.16	0.022
U23850_s_at	<i>ITPR1</i>	3708	inositol 1,4,5-triphosphate receptor, type 1	3p26-p25	-5.15	0.022
L37036_s_at	<i>CXCL5</i>	6374	chemokine (C-X-C motif) ligand 5	4q12-q13	-5.15	0.022
J00210_rna1_at	<i>IFNA1</i>	3439	interferon, alpha 1	9p22	-5.15	0.022
M64710_s_at	<i>NPPC</i>	4880	natriuretic peptide precursor C	2q24-qter	-5.14	0.022
X07496_at	<i>APOA1</i>	335	apolipoprotein A-I	11q23-q24	-5.1	0.022
D13638_s_at	<i>ARHGAP11A</i>	9824	Rho GTPase activating protein 11A	15q13.2	-5.1	0.022
Y08409_at	<i>THRSP</i>	7069	thyroid hormone responsive (SPOT14 homolog, rat)	11q13.5	-5.08	0.023
HG3426-HT3610_s_at	<i>ZNF124</i>	7678	zinc finger protein 124	1q44	-5.08	0.023
X82835_at	<i>SCN9A</i>	6335	sodium channel, voltage-gated, type IX, alpha subunit	2q24	-5.07	0.023
Y10055_at	<i>PIK3CD</i>	5293	phosphoinositide-3-kinase, catalytic, delta polypeptide	1p36.2	-5.06	0.023
M71243_f_at	<i>GYPA</i>	2993	glycophorin A (MNS blood group)	4q28.2-q31.1	-5.05	0.023
U58675_cds1_at	<i>OR3A2</i>	4995	olfactory receptor, family 3, subfamily A, member 2	17p13.3	-5.05	0.023
M81695_s_at	<i>ITGAX</i>	3687	integrin, alpha X (complement component 3 receptor 4 subunit)	16p11.2	-5.04	0.023
U32907_at	<i>LRRC17</i>	10234	leucine rich repeat containing 17	7q22.1	-5.04	0.023
D87017_cds3_at	<i>IGL@</i>	3535	immunoglobulin lambda locus	22q11.1-q11.2	-5.03	0.023
X60104_s_at	<i>EGR4</i>	1961	early growth response 4	2p13	-5.02	0.023
L36644_at	<i>EPHA5</i>	2044	EPH receptor A5	4q13.1	-4.99	0.023
M17863_s_at	<i>IGF2</i>	3481	insulin-like growth factor 2 (somatomedin A)	11p15.5	-4.99	0.023
HG2255-HT2344_f_at					-4.99	0.023

HG1783-HT1803_s_at	<i>IAPP</i>	3375	islet amyloid polypeptide	12p12.3-p12.1	-4.98	0.023
V00565_s_at	<i>INS</i>	3630	insulin	11p15.5	-4.97	0.023
X69886_s_at	<i>GK</i>	2710	glycerol kinase	Xp21.3	-4.96	0.023
U33052_s_at	<i>PKN2</i>	5586	protein kinase N2	1p22.2	-4.96	0.023
X16323_at	<i>HGF</i>	3082	hepatocyte growth factor (hepapoietin A; scatter factor)	7q21.1	-4.95	0.023
L38593_s_at	<i>SLC11A1</i>	6556	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	2q35	-4.94	0.023
M81778_s_at	<i>HTR2C</i>	3358	5-hydroxytryptamine (serotonin) receptor 2C	Xq24	-4.94	0.023
U45448_s_at	<i>P2RX1</i>	5023	purinergic receptor P2X, ligand-gated ion channel, 1	17p13.3	-4.93	0.023
U23430_s_at	<i>CCKAR</i>	886	cholecystokinin A receptor	4p15.1-p15.2	-4.92	0.023
M36634_at	<i>VIP</i>	7432	vasoactive intestinal peptide	6q25	-4.91	0.023
U04806_s_at	<i>FLT3LG</i>	2323	fms-related tyrosine kinase 3 ligand	19q13.3	-4.91	0.023
S78693_f_at	<i>CREB1</i>	1385	cAMP responsive element binding protein 1	2q34	-4.88	0.024
X52228_at	<i>MUC1</i>	4582	mucin 1, cell surface associated	1q21	-4.88	0.024
U03858_at	<i>FLT3LG</i>	2323	fms-related tyrosine kinase 3 ligand	19q13.3	-4.87	0.024
HG3085-HT3254_s_at	<i>PDE4D</i>	5144	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	5q12	-4.87	0.024
X13930_f_at	<i>CYP2A6</i>	1548	cytochrome P450, family 2, subfamily A, polypeptide 6	19q13.2	-4.85	0.024
X15675_at					-4.84	0.024
X00088_at	<i>HIST1H2BJ</i>	8970	histone cluster 1, H2bj	6p22.1	-4.84	0.024
S67247_s_at	<i>MYH10</i>	4628	myosin, heavy chain 10, non-muscle	17p13	-4.83	0.024
M60746_at	<i>HIST1H3E</i>	8353	histone cluster 1, H3e	6p21.3	-4.81	0.024
U24153_at	<i>PAK2</i>	5062	p21 (CDKN1A)-activated kinase 2	3q29	-4.81	0.024
M13994_s_at	<i>BCL2</i>	596	B-cell CLL/lymphoma 2	18q21.33	-4.8	0.024
HG1428-HT1428_s_at	<i>HBB</i>	3043	hemoglobin, beta	11p15.5	-4.8	0.024
L00205_at	<i>KRT6B</i>	3854	keratin 6B	12q12-q13	-4.8	0.024
M24122_s_at	<i>MYL3</i>	4634	myosin, light chain 3, alkali; ventricular, skeletal, slow	3p21.3-p21.2	-4.78	0.024
Z34822_f_at	<i>CACNA1C</i>	775	calcium channel, voltage-dependent, L type, alpha 1C subunit	12p13.3	-4.78	0.024
HG4116-HT4386_s_at	<i>OR3A2</i>	4995	olfactory receptor, family 3, subfamily A, member 2	17p13.3	-4.77	0.024

U24056_s_at	<i>KCNJ4</i>	3761	potassium inwardly-rectifying channel, subfamily J, member 4	22q13.1	-4.77	0.024
X55989_rna1_at	<i>LOC643332</i>	643332	similar to Nonsecretory ribonuclease precursor (Ribonuclease US) (Eosinophil-derived neurotoxin) (RNase Upl-2) (Ribonuclease 2) (RNase 2)	14q11.2	-4.77	0.024
HG2175-HT2245_s_at					-4.76	0.024
HG1034-HT1034_f_at	<i>ATP1A2</i>	477	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 (+) polypeptide	1q21-q23	-4.72	0.026
M23178_s_at	<i>CCL3</i>	6348	chemokine (C-C motif) ligand 3	17q11-q21	-4.72	0.026
D17570_s_at	<i>ZPBP</i>	11055	zona pellucida binding protein	7p14.3	-4.71	0.026
Y09980_rna4_at	<i>HOXD3</i>	3232	homeobox D3	2q31.1	-4.71	0.026
Z29074_at	<i>KRT9</i>	3857	keratin 9 (epidermolytic palmoplantar keratoderma)	17q21.1-q21.2	-4.7	0.026
K03498_xpt1_s_at					-4.7	0.026
U62434_at	<i>CHRNA5</i>	1138	cholinergic receptor, nicotinic, alpha 5	15q24	-4.69	0.026
X04445_rna1_s_at	<i>INHHA</i>	3623	inhibin, alpha	2q33-q36	-4.69	0.026
D49487_s_at	<i>LEP</i>	3952	leptin (obesity homolog, mouse)	7q31.3	-4.68	0.026
L76627_at	<i>GRM1</i>	2911	glutamate receptor, metabotropic 1	6q24	-4.67	0.026
Z11850_at	<i>GHR</i>	2690	growth hormone receptor	5p13-p12	-4.65	0.027
L49218_f_at	<i>RB1</i>	5925	retinoblastoma 1 (including osteosarcoma)	13q14.2	-4.65	0.027
M13150_s_at	<i>MAS1</i>	4142	MAS1 oncogene	6q25.3-q26	-4.65	0.027
HG3437-HT3628_s_at	<i>PLP1</i>	5354	proteolipid protein 1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)	Xq22	-4.65	0.027
HG2239-HT2324_r_at	<i>KCNK3</i>	3748	potassium voltage-gated channel, Shaw-related subfamily, member 3	19q13.3-q13.4	-4.64	0.027
HG3238-HT4861_s_at	<i>PTGER3</i>	5733	prostaglandin E receptor 3 (subtype EP3)	1p31.2	-4.64	0.027
L34035_at	<i>ME1</i>	4199	malic enzyme 1, NADP(+)-dependent, cytosolic	6q12	-4.63	0.027
X91653_s_at	<i>MGAT5</i>	4249	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase	2q21	-4.62	0.027
U02388_at	<i>CYP4F2</i>	8529	cytochrome P450, family 4, subfamily F, polypeptide 2	19pter-p13.11	-4.62	0.027
S71043_rna1_s_at	<i>IGHA1</i>	3493	immunoglobulin heavy constant alpha 1	14q32.33	-4.61	0.027
U43203_s_at	<i>NKX2-1</i>	7080	NK2 homeobox 1	14q13	-4.59	0.028
X16866_at	<i>CYP2D6</i>	1565	cytochrome P450, family 2, subfamily D, polypeptide 6	22q13.1	-4.59	0.028

V00542_f_at	<i>IFNA14</i>	3448	interferon, alpha 14	9p22	-4.57	0.028
U05012_s_at	<i>NTRK3</i>	4916	neurotrophic tyrosine kinase, receptor, type 3	15q25	-4.55	0.028
X54667_s_at	<i>CST4</i>	1472	cystatin S	20p11.21	-4.54	0.028
Z80787_at	<i>HIST1H4E</i>	8367	histone cluster 1, H4e	6p21.3	-4.54	0.028
M29696_at	<i>IL7R</i>	3575	interleukin 7 receptor	5p13	-4.52	0.029
Y07596_at	<i>PIGK</i>	10026	phosphatidylinositol glycan anchor biosynthesis, class K	1p31.1	-4.52	0.029
X77753_at	<i>TACSTD2</i>	4070	tumor-associated calcium signal transducer 2	1p32-p31	-4.52	0.029
M17446_s_at	<i>FGF4</i>	2249	fibroblast growth factor 4 (heparin secretory transforming protein 1, Kaposi sarcoma oncogene)	11q13.3	-4.51	0.029
M74088_s_at	<i>APC</i>	324	adenomatosis polyposis coli	5q21-q22	-4.49	0.029
U61276_s_at	<i>JAG1</i>	182	jagged 1 (Alagille syndrome)	20p12.1-p11.23	-4.49	0.029
M15465_s_at	<i>PKLR</i>	5313	pyruvate kinase, liver and RBC	1q21	-4.49	0.029
X00695_s_at	<i>IL2</i>	3558	interleukin 2	4q26-q27	-4.49	0.029
X14767_at	<i>GABRB1</i>	2560	gamma-aminobutyric acid (GABA) A receptor, beta 1	4p12	-4.49	0.029
HG2510-HT2606_at	<i>RASGRF1</i>	5923	Ras protein-specific guanine nucleotide-releasing factor 1	15q24	-4.48	0.029
X90846_s_at	<i>MAP3K10</i>	4294	mitogen-activated protein kinase kinase kinase 10	19q13.2	-4.47	0.029
HG627-HT5098_s_at	<i>RHCE</i>	6006	Rh blood group, CcEe antigens	1p36.11	-4.47	0.029
HG627-HT5097_s_at	<i>RHCE</i>	6006	Rh blood group, CcEe antigens	1p36.11	-4.45	0.03
HG1227-HT1227_s_at	<i>COL2A1</i>	1280	collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital)	12q13.11-q13.2	-4.44	0.03
U20816_s_at	<i>NFKB2</i>	4791	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	10q24	-4.44	0.03
J00116_s_at	<i>COL2A1</i>	1280	collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital)	12q13.11-q13.2	-4.44	0.03
X94563_xpt2_r_at	<i>DBI</i>	1622	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	2q12-q21	-4.43	0.03
L20433_at	<i>POU4F1</i>	5457	POU class 4 homeobox 1	13q31.1	-4.43	0.03
U52373_s_at	<i>DYRK1A</i>	1859	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	21q22.13	-4.42	0.03
M34353_s_at	<i>ROS1</i>	6098	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	6q22	-4.42	0.03

M24748_cds2_s_at	<i>THRA</i>	7067	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	17q11.2	-4.41	0.03
U21556_at	<i>LOC646652</i>	646652	integral membrane glycoprotein-like	5p13.3	-4.4	0.03
X83703_at	<i>ANKRD1</i>	27063	ankyrin repeat domain 1 (cardiac muscle)	10q23.31	-4.4	0.03
X97267_rna1_s_at	<i>PTPRCAP</i>	5790	protein tyrosine phosphatase, receptor type, C-associated protein	11q13.3	-4.4	0.03
K02777_s_at	<i>TRA@</i>	6955	T cell receptor alpha locus	14q11.2	-4.4	0.03
HG2887-HT3031_at	<i>SOX15</i>	6665	SRY (sex determining region Y)-box 15	17p13	-4.38	0.03
U22322_s_at	<i>FRK</i>	2444	fyn-related kinase	6q21-q22.3	-4.38	0.03
Y07512_at	<i>PRKG1</i>	5592	protein kinase, cGMP-dependent, type I	10q11.2	-4.37	0.03
X98178_s_at	<i>CASP8</i>	841	caspase 8, apoptosis-related cysteine peptidase	2q33-q34	-4.37	0.03
U23852_s_at	<i>LCK</i>	3932	lymphocyte-specific protein tyrosine kinase	1p34.3	-4.37	0.03
M33318_r_at	<i>CYP2A6</i>	1548	cytochrome P450, family 2, subfamily A, polypeptide 6	19q13.2	-4.37	0.03
U13696_s_at	<i>PMS2</i>	5395	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	7p22.2	-4.36	0.03
M87789_s_at	<i>IGHG3</i>	3502	immunoglobulin heavy constant gamma 3 (G3m marker)	14q32.33	-4.35	0.03
S77582_at					-4.35	0.03
X75918_at	<i>NR4A2</i>	4929	nuclear receptor subfamily 4, group A, member 2	2q22-q23	-4.34	0.03
U27333_at	<i>FUT6</i>	2528	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	19p13.3	-4.33	0.03
M29932_s_at	<i>ADRB3</i>	155	adrenergic, beta-3-, receptor	8p12-p11.2	-4.33	0.03
J00268_s_at	<i>INS</i>	3630	insulin	11p15.5	-4.33	0.03
Y08613_at	<i>NUP88</i>	4927	nucleoporin 88kDa	17p13.2	-4.33	0.03
X66142_s_at	<i>PDE6B</i>	5158	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	4p16.3	-4.32	0.03
D49728_at	<i>NR4A1</i>	3164	nuclear receptor subfamily 4, group A, member 1	12q13	-4.32	0.03
X68985_s_at	<i>HLF</i>	3131	hepatic leukemia factor	17q22	-4.32	0.03
Y11416_at	<i>TP73</i>	7161	tumor protein p73	1p36.3	-4.31	0.03
HG1877-HT1917_s_at	<i>MBP</i>	4155	myelin basic protein	18q23	-4.3	0.03
U59321_at	<i>DDX17</i>	10521	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	22q13.1	-4.3	0.03
D31833_s_at	<i>AVPR1B</i>	553	arginine vasopressin receptor 1B	1q32	-4.3	0.03
U74324_at	<i>RABIF</i>	5877	RAB interacting factor	1q32-q41	-4.29	0.03

Y08564_at	<i>GALNT4</i>	8693	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4)	12q21.3-q22	-4.28	0.03
L40384_s_at	<i>TRIP13</i>	9319	thyroid hormone receptor interactor 13	5p15.33	-4.27	0.03
U25988_at	<i>PSG11</i>	5680	pregnancy specific beta-1-glycoprotein 11	19q13.2	-4.27	0.03
Y10205_at	<i>LRRC16</i>	55604	leucine rich repeat containing 16	6p22.2	-4.27	0.03
X16281_at	<i>ZNF44</i>	51710	zinc finger protein 44	19p13.2	-4.27	0.03
HG4099-HT4369_s_at	<i>ADRA1B</i>	147	adrenergic, alpha-1B-, receptor	5q23-q32	-4.27	0.03
U72648_s_at	<i>ADRA2C</i>	152	adrenergic, alpha-2C-, receptor	4p16	-4.26	0.03
X91148_at	<i>MTTP</i>	4547	microsomal triglyceride transfer protein	4q24	-4.26	0.03
Z35278_at	<i>RUNX3</i>	864	runt-related transcription factor 3	1p36	-4.25	0.03
M60751_at	<i>HIST1H2BD</i>	3017	histone cluster 1, H2bd	6p21.3	-4.25	0.03
HG880-HT880_at	<i>MUC6</i>	4588	mucin 6, oligomeric mucus/gel-forming	11p15.5-p15.4	-4.25	0.03
X07619_s_at	<i>CYP2D7P1</i>	1564	cytochrome P450, family 2, subfamily D, polypeptide 7 pseudogene 1	22q13	-4.25	0.03
M86933_s_at	<i>ARHGAP6</i>	395	Rho GTPase activating protein 6	Xp22.3	-4.24	0.03
L10333_s_at	<i>RTN1</i>	6252	reticulon 1	14q23.1	-4.24	0.03
M17252_at	<i>CYP21A2</i>	1589	cytochrome P450, family 21, subfamily A, polypeptide 2	6p21.3	-4.24	0.03
M27533_s_at	<i>CD80</i>	941	CD80 molecule	3q13.3-q21	-4.24	0.03
HG2148-HT2218_f_at	<i>MUC3A</i>	4584	mucin 3A, cell surface associated	7q22	-4.23	0.03
Y08836_at	<i>MLL3</i>	58508	myeloid/lymphoid or mixed-lineage leukemia 3	7q36.1	-4.23	0.03
U29943_s_at	<i>ELAVL2</i>	1993	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)	9p21	-4.23	0.03
X81636_at	<i>CLTA</i>	1211	clathrin, light chain (Lca)	9p13	-4.23	0.03
S68805_at	<i>GATM</i>	2628	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	15q21.1	-4.23	0.03
L27584_s_at	<i>CACNB3</i>	784	calcium channel, voltage-dependent, beta 3 subunit	12q13	-4.22	0.03
L37360_s_at	<i>EFNA3</i>	1944	ephrin-A3	1q21-q22	-4.22	0.03
U36759_s_at	<i>PTCRA</i>	171558	pre T-cell antigen receptor alpha	6p21.3	-4.22	0.03
D10925_at	<i>CCR1</i>	1230	chemokine (C-C motif) receptor 1	3p21	-4.21	0.031
U06155_s_at	<i>RPL23AP7</i>	118433	ribosomal protein L23a pseudogene 7	2q14	-4.21	0.031
U11862_s_at	<i>ABP1</i>	26	amiloride binding protein 1 (amine oxidase (copper-containing))	7q34-q36	-4.2	0.031
M57703_s_at	<i>PMCH</i>	5367	pro-melanin-concentrating hormone	12q23-q24	-4.2	0.031



D90070_s_at	<i>PMAIP1</i>	5366	phorbol-12-myristate-13-acetate-induced protein 1	18q21.32	-4.19	0.031
X13955_s_at	<i>MYL4</i>	4635	myosin, light chain 4, alkali; atrial, embryonic	17q21-qter	-4.18	0.032
U43185_s_at	<i>STAT5A</i>	6776	signal transducer and activator of transcription 5A	17q11.2	-4.18	0.032
X07730_at	<i>KLK3</i>	354	kallikrein-related peptidase 3	19q13.41	-4.17	0.032
HG2348-HT2444_s_at	<i>PYY</i>	5697	peptide YY	17q21.1	-4.17	0.032
X91141_at	<i>RABEP1</i>	9135	rabaptin, RAB GTPase binding effector protein 1	17p13.2	-4.16	0.032
Z11899_s_at	<i>POU5F1</i>	5460	POU class 5 homeobox 1	6p21.31	-4.16	0.032
U31216_s_at	<i>GRM1</i>	2911	glutamate receptor, metabotropic 1	6q24	-4.15	0.032
X54667_at	<i>CST4</i>	1472	cystatin S	20p11.21	-4.15	0.033
Z00010_at	<i>IGKV1-13</i>	28939	immunoglobulin kappa variable 1-13	2p12	-4.15	0.033
U12259_cds2_s_at	<i>PAX3</i>	5077	paired box 3	2q35-q37	-4.13	0.033
U13021_s_at	<i>CASP2</i>	835	caspace 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2)	7q34-q35	-4.13	0.033
D49372_s_at	<i>CCL11</i>	6356	chemokine (C-C motif) ligand 11	17q21.1-q21.2	-4.13	0.033
Z18859_rna1_at	<i>GNAT2</i>	2780	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	1p13.1	-4.13	0.033
U23736_s_at	<i>PRDM2</i>	7799	PR domain containing 2, with ZNF domain	1p36.21	-4.12	0.033
U89922_s_at	<i>LTB</i>	4050	lymphotoxin beta (TNF superfamily, member 3)	6p21.3	-4.11	0.033
M55683_at	<i>MATN1</i>	4146	matrilin 1, cartilage matrix protein	1p35	-4.11	0.033
X87871_s_at	<i>HNF4A</i>	3172	hepatocyte nuclear factor 4, alpha	20q12-q13.1	-4.11	0.033
D86331_s_at	<i>MMP15</i>	4324	matrix metalloproteinase 15 (membrane-inserted)	16q13-q21	-4.11	0.033
X98266_cds2_at		53587			-4.1	0.033
Y00970_at	<i>ACR</i>	49	acrosin	22q13-qter	-4.09	0.033
U40572_at	<i>SNTB2</i>	6645	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	16q22-q23	-4.09	0.033
X86371_s_at	<i>LLGL1</i>	3996	lethal giant larvae homolog 1 (Drosophila)	17p11.2	-4.08	0.034
X58399_at	<i>LOC90925</i>	90925	hypothetical protein LOC90925	14q32.33	-4.08	0.034
Z48511_at	<i>XG</i>	7499	Xg blood group	Xp22.32	-4.08	0.034
X74142_at	<i>FOXG1</i>	2290	forkhead box G1	14q13	-4.08	0.034
D00408_at	<i>CYP3A7</i>	1551	cytochrome P450, family 3, subfamily A, polypeptide 7	7q21-q22.1	-4.07	0.034
Z35227_at	<i>RHOH</i>	399	ras homolog gene family, member H	4p13	-4.07	0.034

HG4113-HT4383_s_at	<i>OR3A3</i>	8392	olfactory receptor, family 3, subfamily A, member 3	17p13.3	-4.07	0.034
AF003743_at	<i>KCNQ1</i>	3784	potassium voltage-gated channel, KQT-like subfamily, member 1	11p15.5	-4.07	0.034
M68519_rna1_at	<i>SFTPA2B</i>	6436	surfactant, pulmonary-associated protein A2B	10q22.3	-4.06	0.034
HG2271-HT2367_at	<i>FLG</i>	2312	filaggrin	1q21.3	-4.06	0.034
D17461_at	<i>WNK1</i>	65125	WNK lysine deficient protein kinase 1	12p13.3	-4.06	0.034
HG1686-HT4572_s_at		2552			-4.05	0.034
Y11174_at	<i>MAPRE3</i>	22924	microtubule-associated protein, RP/EB family, member 3	2p23.3-p23.1	-4.05	0.034
U43747_s_at	<i>FXN</i>	2395	frataxin	9q13-q21.1	-4.05	0.034
X69115_at	<i>ZNF37A</i>	7587	zinc finger protein 37A	10p11.2	-4.04	0.034
Y07683_at	<i>P2RX3</i>	5024	purinergic receptor P2X, ligand-gated ion channel, 3	11q12	-4.03	0.034
X86564_at	<i>CFHR2</i>	3080	complement factor H-related 2	1q31-q32.1	-4.03	0.034
M24736_s_at	<i>SELE</i>	6401	selectin E (endothelial adhesion molecule 1)	1q22-q25	-4.02	0.034
M63438_s_at	<i>IGKC</i>	3514	immunoglobulin kappa constant	2p12	-4.02	0.034
S75881_s_at	<i>MYBL1</i>	4603	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	8q22	-4.02	0.034
S79862_s_at	<i>PSMD5</i>	5711	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5	9q33.2	-4.02	0.034
U13616_at	<i>ANK3</i>	288	ankyrin 3, node of Ranvier (ankyrin G)	10q21	-4.02	0.034
AFFX-TrpnX-M_at					-4.02	0.034
Y10207_at	<i>SLC17A1</i>	6568	solute carrier family 17 (sodium phosphate), member 1	6p23-p21.3	-4.02	0.034
X99699_at	<i>XAF1</i>	54739	XIAP associated factor-1	17p13.2	-4.02	0.034
Y00062_at	<i>PTPRC</i>	5788	protein tyrosine phosphatase, receptor type, C	1q31-q32	-4.01	0.034
M95585_s_at	<i>HLF</i>	3131	hepatic leukemia factor	17q22	-4.01	0.034
U35835_s_at	<i>PRKDC</i>	5591	protein kinase, DNA-activated, catalytic polypeptide	8q11	-4.01	0.034
X13810_s_at	<i>POU2F2</i>	5452	POU class 2 homeobox 2	19q13.2	-4	0.035
M27749_r_at	<i>IGLL1</i>	3543	immunoglobulin lambda-like polypeptide 1	22q11.23	-4	0.035
L37868_s_at	<i>POU3F2</i>	5454	POU class 3 homeobox 2	6q16	-4	0.035
U51003_s_at	<i>DLX2</i>	1746	distal-less homeobox 2	2q32	-3.99	0.035
S75256_s_at	<i>LCN2</i>	3934	lipocalin 2 (oncogene 24p3)	9q34	-3.99	0.035
X60955_s_at	<i>TYRP1</i>	7306	tyrosinase-related protein 1	9p23	-3.99	0.035

X91348_at	<i>DGCR5</i>	26220	DiGeorge syndrome critical region gene 5 (non-coding)	22q11	-3.98	0.035
M15169_at	<i>ADRB2</i>	154	adrenergic, beta-2-, receptor, surface	5q31-q32	-3.98	0.035
Z80776_at	<i>HIST1H2AD</i>	3013	histone cluster 1, H2ad	6p21.3	-3.98	0.035
M81886_s_at	<i>GRIA1</i>	2890	glutamate receptor, ionotropic, AMPA 1	5q33	-3.97	0.035
X81851_s_at	<i>IL4</i>	3565	interleukin 4	5q31.1	-3.97	0.035
D49354_s_at	<i>PPFIA1</i>	8500	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	11q13.3	-3.97	0.035
M33772_s_at	<i>TNNC2</i>	7125	troponin C type 2 (fast)	20q12-q13.11	-3.96	0.035
X69920_s_at	<i>CALCR</i>	799	calcitonin receptor	7q21.3	-3.96	0.035
HG243-HT243_s_at	<i>OCRL</i>	4952	oculocerebrorenal syndrome of Lowe	Xq25-q26.1	-3.96	0.035
X14766_at	<i>GABRA1</i>	2554	gamma-aminobutyric acid (GABA) A receptor, alpha 1	5q34-q35	-3.96	0.036
U59632_s_at	<i>GP1BB</i>	2812	glycoprotein Ib (platelet), beta polypeptide	22q11.21-q11.23	-3.95	0.036
X95826_at	<i>ART4</i>	420	ADP-ribosyltransferase 4 (Dombrock blood group)	12p13-p12	-3.95	0.036
U12767_at	<i>NR4A3</i>	8013	nuclear receptor subfamily 4, group A, member 3	9q22	-3.95	0.036
X13766_s_at	<i>CSN2</i>	1447	casein beta	4q21.1	-3.94	0.036
M18391_s_at	<i>EPHA1</i>	2041	EPH receptor A1	7q34	-3.93	0.036
Y00414_s_at	<i>TH</i>	7054	tyrosine hydroxylase	11p15.5	-3.93	0.036
Z30643_at	<i>CLCNKA</i>	1187	chloride channel Ka	1p36	-3.92	0.036
U60206_s_at	<i>STK3</i>	6788	serine/threonine kinase 3 (STE20 homolog, yeast)	8q22.2	-3.92	0.036
M57466_s_at	<i>HLA-DPB1</i>	3115	major histocompatibility complex, class II, DP beta 1	6p21.3	-3.92	0.036
X89986_s_at	<i>BIK</i>	638	BCL2-interacting killer (apoptosis-inducing)	22q13.31	-3.91	0.036
HG2365-HT2461_at	<i>GAPDH</i>	2597	glyceraldehyde-3-phosphate dehydrogenase	12p13	-3.91	0.036
X95239_at	<i>CRISP2</i>	7180	cysteine-rich secretory protein 2	6p21-qter	-3.91	0.036
U45255_s_at	<i>PAX2</i>	5076	paired box 2	10q24	-3.9	0.036
M23892_s_at	<i>ALOX15</i>	246	arachidonate 15-lipoxygenase	17p13.3	-3.9	0.036
S83309_s_at	<i>NR6A1</i>	2649	nuclear receptor subfamily 6, group A, member 1	9q33-q34.1	-3.9	0.036
U40317_s_at	<i>PTPRS</i>	5802	protein tyrosine phosphatase, receptor type, S	19p13.3	-3.9	0.036
AFFX-BioB-5_st					-3.9	0.036
Y11709_at	<i>COL14A1</i>	7373	collagen, type XIV, alpha 1 (undulin)	8q23	-3.9	0.036

M59216_s_at	<i>GABRB1</i>	2560	gamma-aminobutyric acid (GABA) A receptor, beta 1	4p12	-3.89	0.036
L43576_at	<i>CXorf40A</i>	91966	chromosome X open reading frame 40A	Xq28	-3.89	0.036
L04731_at	<i>MLL</i>	4297	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	11q23	-3.89	0.036
X99688_at	<i>PSD</i>	5662	pleckstrin and Sec7 domain containing	10q24	-3.89	0.036
X14474_at	<i>MAPT</i>	4137	microtubule-associated protein tau	17q21.1	-3.89	0.036
U64315_s_at	<i>ERCC4</i>	2072	excision repair cross-complementing rodent repair deficiency, complementation group 4	16p13.3-p13.11	-3.88	0.036
M64231_rna1_at	<i>SRM</i>	6723	spermidine synthase	1p36-p22	-3.88	0.036
U40279_at	<i>ITGAD</i>	3681	integrin, alpha D	16p11.2	-3.88	0.036
Z48923_at	<i>BMPR2</i>	659	bone morphogenetic protein receptor, type II (serine/threonine kinase)	2q33-q34	-3.88	0.036
X95289_at	<i>HCG9</i>	10255	HLA complex group 9	6p21.3	-3.87	0.036
X54741_at	<i>CYP11B2</i>	1585	cytochrome P450, family 11, subfamily B, polypeptide 2	8q21-q22	-3.87	0.036
S69265_s_at	<i>ELAVL3</i>	1995	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)	19p13.2	-3.87	0.036
HG1996-HT2044_at	<i>RAP2A</i>	5911	RAP2A, member of RAS oncogene family	13q34	-3.87	0.036
HG3921-HT4191_f_at	<i>HOXA6</i>	3203	homeobox A6	7p15-p14	-3.86	0.036
Z80779_at	<i>HIST1H2BF</i>	8343	histone cluster 1, H2bf	6p21.3	-3.86	0.036
Z83741_at	<i>HIST1H2AB</i>	8335	histone cluster 1, H2ab	6p21.3	-3.85	0.037
HG4236-HT4506_f_at	<i>ZNF138</i>	7697	zinc finger protein 138	7q11.21-q11.23	-3.85	0.037
D83017_s_at	<i>NELL1</i>	4745	NEL-like 1 (chicken)	11p15.2-p15.1	-3.85	0.037
X00948_at	<i>RLN2</i>	6019	relaxin 2	9p24.1	-3.85	0.037
J00220_cds5_at	<i>IGHA1</i>	3493	immunoglobulin heavy constant alpha 1	14q32.33	-3.85	0.037
U75309_s_at	<i>TAF5</i>	6877	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 100kDa	10q24-q25.2	-3.85	0.037
M83712_s_at	<i>CHRNA5</i>	1138	cholinergic receptor, nicotinic, alpha 5	15q24	-3.84	0.037
X83492_at	<i>FAS</i>	355	Fas (TNF receptor superfamily, member 6)	10q24.1	-3.84	0.037
M58569_s_at	<i>FGA</i>	2243	fibrinogen alpha chain	4q28	-3.83	0.037
J03915_s_at	<i>CHGA</i>	1113	chromogranin A (parathyroid secretory protein 1)	14q32	-3.83	0.037
X57110_s_at	<i>CBL</i>	867	Cas-Br-M (murine) ecotropic retroviral transforming sequence	11q23.3	-3.82	0.038
X98833_rna1_at	<i>SALL1</i>	6299	sal-like 1 (Drosophila)	16q12.1	-3.82	0.038
HG4020-HT4290_s_at	<i>TGM4</i>	7047	transglutaminase 4 (prostate)	3p22-p21.33	-3.82	0.038

L37112_at	<i>AVPR1B</i>	553	arginine vasopressin receptor 1B	1q32	-3.82	0.038
Z49105_at	<i>SSX2</i>	6757	synovial sarcoma, X breakpoint 2	Xp11.23-p11.22	-3.81	0.038
S57212_s_at	<i>MEF2C</i>	4208	myocyte enhancer factor 2C	5q14	-3.81	0.038
Z50781_at	<i>TSC22D3</i>	1831	TSC22 domain family, member 3	Xq22.3	-3.81	0.038
HG3996-HT4266_at					-3.81	0.038
U92314_s_at	<i>SULT2B1</i>	6820	sulfotransferase family, cytosolic, 2B, member 1	19q13.3	-3.81	0.038
X67235_s_at	<i>HHEX</i>	3087	hematopoietically expressed homeobox	10q23.33	-3.8	0.038
X52426_s_at	<i>KRT13</i>	3860	keratin 13	17q12-q21.2	-3.8	0.038
U68162_cds1_s_at	<i>MPL</i>	4352	myeloproliferative leukemia virus oncogene	1p34	-3.79	0.038
D00003_at	<i>CYP3A4</i>	1576	cytochrome P450, family 3, subfamily A, polypeptide 4	7q21.1	-3.79	0.038
U19713_s_at	<i>AIF1</i>	199	allograft inflammatory factor 1	6p21.3	-3.78	0.039
X92368_at	<i>SLC8A1</i>	6546	solute carrier family 8 (sodium/calcium exchanger), member 1	2p23-p22	-3.77	0.039
V00533_rna1_f_at	<i>IFNA14</i>	3448	interferon, alpha 14	9p22	-3.76	0.039
J05253_s_at	<i>RBP3</i>	5949	retinol binding protein 3, interstitial	10q11.2	-3.76	0.039
X16666_s_at	<i>HOXB1</i>	3211	homeobox B1	17q21.3	-3.76	0.039
Z83735_at	<i>HIST1H3H</i>	8357	histone cluster 1, H3h	6p22-p21.3	-3.75	0.039
X55990_rna1_at	<i>RNASE3</i>	6037	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	14q24-q31	-3.75	0.039
HG759-HT759_s_at	<i>ADRB1</i>	153	adrenergic, beta-1-, receptor	10q24-q26	-3.75	0.039
U33841_at	<i>ATM</i>	472	ataxia telangiectasia mutated	11q22-q23	-3.75	0.039
X58822_rna1_s_at	<i>IFNW1</i>	3467	interferon, omega 1	9p22	-3.75	0.039
HG3731-HT4001_r_at	<i>IGHG3</i>	3502	immunoglobulin heavy constant gamma 3 (G3m marker)	14q32.33	-3.75	0.039
Z68274_at					-3.75	0.039
Z83745_at	<i>PPP1R11P2</i>	94298	protein phosphatase 1, regulatory (inhibitor) subunit 11 pseudogene 2		-3.74	0.039
X51698_s_at	<i>TFF2</i>	7032	trefoil factor 2 (spasmolytic protein 1)	21q22.3	-3.74	0.04
X13461_s_at	<i>CALML3</i>	810	calmodulin-like 3	10pter-p13	-3.73	0.04
M10943_at	<i>MT1F</i>	4494	metallothionein 1F	16q13	-3.73	0.04
Z48541_at	<i>PTPRO</i>	5800	protein tyrosine phosphatase, receptor type, O	12p13.3-p13.2	-3.73	0.04
U31116_at	<i>SGCB</i>	6443	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)	4q12	-3.73	0.04
U08854_s_at	<i>UGT2B15</i>	7366	UDP glucuronosyltransferase 2 family, polypeptide B15	4q13	-3.73	0.04

U38291_rna1_at	<i>MAP1A</i>	4130	microtubule-associated protein 1A	15q13-qter	-3.73	0.04
U25041_at	<i>MRPL12</i>	6182	mitochondrial ribosomal protein L12	17q25	-3.73	0.04
U48730_at	<i>STAT5B</i>	6777	signal transducer and activator of transcription 5B	17q11.2	-3.72	0.04
U90552_at	<i>BTN3A1</i>	11119	butyrophilin, subfamily 3, member A1	6p22.1	-3.72	0.04
U11821_s_at	<i>FASLG</i>	356	Fas ligand (TNF superfamily, member 6)	1q23	-3.72	0.04
Z70723_at	<i>PON1</i>	5444	paraoxonase 1	7q21.3	-3.72	0.04
HG2479-HT2575_s_at	<i>TCF4</i>	6925	transcription factor 4	18q21.1	-3.72	0.04
D50477_s_at	<i>MMP16</i>	4325	matrix metalloproteinase 16 (membrane-inserted)	8q21	-3.71	0.04
U35005_s_at	<i>MAPK8</i>	5599	mitogen-activated protein kinase 8	10q11.22	-3.71	0.04
D31628_s_at	<i>HPD</i>	3242	4-hydroxyphenylpyruvate dioxygenase	12q24-qter	-3.71	0.04
X97261_at	<i>MT1L</i>	4500	metallothionein 1L (gene/pseudogene)	16q13	-3.71	0.04
U59877_s_at	<i>RAB31</i>	11031	RAB31, member RAS oncogene family	18p11.3	-3.7	0.041
X52896_s_at	<i>ELN</i>	2006	elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)	7q11.23	-3.7	0.041
M61853_at	<i>CYP2C18</i>	1562	cytochrome P450, family 2, subfamily C, polypeptide 18	10q24	-3.7	0.041
X81637_at	<i>CLTB</i>	1212	clathrin, light chain (Lcb)	4q2-q3	-3.7	0.041
Y10260_at	<i>EYA1</i>	2138	eyes absent homolog 1 (Drosophila)	8q13.3	-3.7	0.041
U27516_s_at	<i>RAD52</i>	5893	RAD52 homolog (S. cerevisiae)	12p13-p12.2	-3.69	0.041
X80818_at	<i>GRM4</i>	2914	glutamate receptor, metabotropic 4	6p21.3	-3.69	0.041
L26584_s_at	<i>RASGRF1</i>	5923	Ras protein-specific guanine nucleotide-releasing factor 1	15q24	-3.69	0.041
X72308_at	<i>CCL7</i>	6354	chemokine (C-C motif) ligand 7	17q11.2-q12	-3.68	0.041
U33838_s_at	<i>RELA</i>	5970	v-rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, p65 (avian)	11q13	-3.68	0.041
X95237_at	<i>CRISP1</i>	167	cysteine-rich secretory protein 1	6p21.3	-3.68	0.041
D86958_at	<i>RB1CC1</i>	9821	RB1-inducible coiled-coil 1	8q11	-3.67	0.042
D38024_at	<i>DUX4</i>	22947	double homeobox, 4	4q35	-3.67	0.042
X99886_s_at	<i>CCL8</i>	6355	chemokine (C-C motif) ligand 8	17q11.2	-3.67	0.042
L41390_at	<i>GCNT1</i>	2650	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	9q13	-3.66	0.042
M16404_at	<i>CHRM2</i>	1129	cholinergic receptor, muscarinic 2	7q31-q35	-3.66	0.042

M29874_s_at	<i>CYP2B6</i>	1555	cytochrome P450, family 2, subfamily B, polypeptide 6	19q13.2	-3.65	0.042
AB000816_s_at	<i>ARNTL</i>	406	aryl hydrocarbon receptor nuclear translocator-like	11p15	-3.65	0.042
Y08837_at	<i>XRCC2</i>	7516	X-ray repair complementing defective repair in Chinese hamster cells 2	7q36.1	-3.65	0.042
Y12812_at	<i>RFXAP</i>	5994	regulatory factor X-associated protein	13q14	-3.65	0.042
L18920_f_at	<i>MAGEA2</i>	4101	melanoma antigen family A, 2	Xq28	-3.64	0.042
X82850_s_at	<i>NKX2-1</i>	7080	NK2 homeobox 1	14q13	-3.64	0.043
U28758_s_at	<i>GRIN2B</i>	2904	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	12p12	-3.64	0.043
AC002115_cds4_at	<i>UPK1A</i>	11045	uroplakin 1A	19q13.13	-3.64	0.043
X61615_at	<i>LIFR</i>	3977	leukemia inhibitory factor receptor alpha	5p13-p12	-3.63	0.043
V01516_f_at	<i>KRT6A</i>	3853	keratin 6A	12q12-q13	-3.63	0.043
U51333_s_at	<i>HK3</i>	3101	hexokinase 3 (white cell)	5q35.2	-3.62	0.043
AB000381_s_at	<i>GML</i>	2765	GPI anchored molecule like protein	8q24.3	-3.62	0.043
X72475_at	<i>NTN2L</i>	4917	netrin 2-like (chicken)	16p13.3	-3.62	0.043
L00022_s_at	<i>IGHA1</i>	3493	immunoglobulin heavy constant alpha 1	14q32.33	-3.62	0.043
HG3417-HT3600_s_at	<i>GCH1</i>	2643	GTP cyclohydrolase 1 (dopa-responsive dystonia)	14q22.1-q22.2	-3.62	0.043
Z67743_at	<i>CLCN7</i>	1186	chloride channel 7	16p13	-3.61	0.043
K03494_s_at	<i>OPN1MW</i>	2652	opsin 1 (cone pigments), medium-wave-sensitive (color blindness, deutan)	Xq28	-3.61	0.043
X86681_at	<i>SLC29A2</i>	3177	solute carrier family 29 (nucleoside transporters), member 2	11q13	-3.61	0.043
U96136_at	<i>CTNND2</i>	1501	catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein)	5p15.2	-3.61	0.044
X63597_at	<i>SI</i>	6476	sucrase-isomaltase (alpha-glucosidase)	3q25.2-q26.2	-3.6	0.044
D10922_s_at	<i>FPRL1</i>	2358	formyl peptide receptor-like 1	19q13.3-q13.4	-3.6	0.044
D49824_at	<i>HLA-B</i>	3106	major histocompatibility complex, class I, B	6p21.3	-3.6	0.044
AFFX-BioDn-5_st					-3.6	0.044
L11238_s_at	<i>GP5</i>	2814	glycoprotein V (platelet)	3q29	-3.6	0.044
M65134_s_at	<i>C5</i>	727	complement component 5	9q33-q34	-3.6	0.044
Y07565_s_at	<i>RIT2</i>	6014	Ras-like without CAAX 2	18q12.3	-3.59	0.044
X69116_s_at	<i>ZNF37A</i>	7587	zinc finger protein 37A	10p11.2	-3.59	0.044

M55024_s_at	<i>ICAM1</i>	3383	intercellular adhesion molecule 1 (CD54), human rhinovirus receptor	19p13.3-p13.2	-3.59	0.044
M28585_f_at	<i>IFNA16</i>	3449	interferon, alpha 16	9p22	-3.59	0.044
D13814_s_at	<i>AGTR1</i>	185	angiotensin II receptor, type 1	3q21-q25	-3.59	0.044
M23323_s_at	<i>CD3E</i>	916	CD3e molecule, epsilon (CD3-TCR complex)	11q23	-3.59	0.044
U22178_s_at	<i>MSMB</i>	4477	microseminoprotein, beta-	10q11.2	-3.59	0.044
M20203_s_at	<i>ELA2</i>	1991	elastase 2, neutrophil	19p13.3	-3.58	0.044
U43328_at	<i>HAPLN1</i>	1404	hyaluronan and proteoglycan link protein 1	5q14.3	-3.58	0.044
Y10511_at	<i>CAP1</i>	10487	CAP, adenylate cyclase-associated protein 1 (yeast)	1p34.2	-3.58	0.044
D28137_at	<i>BST2</i>	684	bone marrow stromal cell antigen 2	19p13.2	-3.58	0.044
M65062_at	<i>IGFBP5</i>	3488	insulin-like growth factor binding protein 5	2q33-q36	-3.58	0.044
U46744_at	<i>DTNA</i>	1837	dystrobrevin, alpha	18q12	-3.58	0.044
U10690_f_at	<i>MAGEA5</i>	4104	melanoma antigen family A, 5	Xq28	-3.58	0.044
M81650_rna1_at	<i>SEMG1</i>	6406	semenogelin I	20q12-q13.2	-3.57	0.044
U24683_at	<i>IGHM</i>	3507	immunoglobulin heavy constant mu	14q32.33	-3.57	0.044
X75756_at	<i>PRKD1</i>	5587	protein kinase D1	14q11	-3.57	0.045
M83664_at	<i>HLA-DPB1</i>	3115	major histocompatibility complex, class II, DP beta 1	6p21.3	-3.57	0.045
M86933_s_at	<i>ARHGAP6</i>	395	Rho GTPase activating protein 6	Xp22.3	-3.57	0.045
X14690_s_at	<i>ITIH3</i>	3699	inter-alpha (globulin) inhibitor H3	3p21.2-p21.1	-3.56	0.045
U62438_at	<i>CHRNB3</i>	1142	cholinergic receptor, nicotinic, beta 3	8p11.2	-3.56	0.045
D49817_at	<i>PFKFB3</i>	5209	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	10p14-p15	-3.56	0.045
HG331-HT331_at					-3.56	0.045
U77846_rna1_at	<i>ELN</i>	2006	elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)	7q11.23	-3.56	0.045
M20642_s_at	<i>MYL1</i>	4632	myosin, light chain 1, alkali; skeletal, fast	2q33-q34	-3.56	0.045
M35851_s_at	<i>AR</i>	367	androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)	Xq11.2-q12	-3.55	0.045
Z79581_at	<i>BCL6</i>	604	B-cell CLL/lymphoma 6 (zinc finger protein 51)	3q27	-3.55	0.045
L10377_s_at	<i>ATN1</i>	1822	atrophin 1	12p13.31	-3.55	0.045
X16609_s_at	<i>ANK1</i>	286	ankyrin 1, erythrocytic	8p11.1	-3.55	0.045
Z28339_at	<i>AKR1D1</i>	6718	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)	7q32-q33	-3.55	0.045



S83390_s_at	<i>NCOR2</i>	9612	nuclear receptor co-repressor 2	12q24	-3.54	0.045
M27749_at	<i>IGLL1</i>	3543	immunoglobulin lambda-like polypeptide 1	22q11.23	-3.54	0.045
Z48510_at	<i>XG</i>	7499	Xg blood group	Xp22.3	-3.54	0.045
Z47038_s_at	<i>MAP1A</i>	4130	microtubule-associated protein 1A	15q13-qter	-3.54	0.046
X99687_at	<i>MECP2</i>	4204	methyl CpG binding protein 2 (Rett syndrome)	Xq28	-3.54	0.046
L32606_at	<i>DUX4</i>	22947	double homeobox, 4	4q35	-3.54	0.046
HG3412-HT3593_s_at	<i>OPN1SW</i>	611	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	7q31.3-q32	-3.53	0.046
X12953_at	<i>RAB2A</i>	5862	RAB2A, member RAS oncogene family	8q12.1	-3.53	0.046
U62432_at	<i>CHRNA3</i>	1136	cholinergic receptor, nicotinic, alpha 3	15q24	-3.53	0.046
M81181_s_at	<i>ATP1B2</i>	482	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 2 polypeptide	17p13.1	-3.53	0.046
X83490_s_at	<i>FAS</i>	355	Fas (TNF receptor superfamily, member 6)	10q24.1	-3.52	0.046
J04430_s_at	<i>ACP5</i>	54	acid phosphatase 5, tartrate resistant	19p13.3-p13.2	-3.52	0.046
U14577_s_at	<i>MAP1A</i>	4130	microtubule-associated protein 1A	15q13-qter	-3.52	0.046
M62303_at	<i>RARB</i>	5915	retinoic acid receptor, beta	3p24	-3.52	0.047
M92642_at	<i>COL16A1</i>	1307	collagen, type XVI, alpha 1	1p35-p34	-3.51	0.047
M29994_s_at	<i>SPTA1</i>	6708	spectrin, alpha, erythrocytic 1 (elliptocytosis 2)	1q21	-3.51	0.047
HG2239-HT2324_at	<i>KCNC3</i>	3748	potassium voltage-gated channel, Shaw-related subfamily, member 3	19q13.3-q13.4	-3.51	0.047
HG4755-HT5203_s_at	<i>SMA5</i>	11042	glucuronidase, beta pseudogene	5q13	-3.51	0.047
X99140_at	<i>KRT85</i>	3891	keratin 85	12q13	-3.5	0.047
U16720_rna1_s_at	<i>IL10</i>	3586	interleukin 10	1q31-q32	-3.5	0.047
D16105_at	<i>LTK</i>	4058	leukocyte tyrosine kinase	15q15.1-q21.1	-3.5	0.047
Y07707_at	<i>NKRF</i>	55922	NF-kappaB repressing factor	Xq24	-3.5	0.047
M55682_s_at	<i>MATN1</i>	4146	matrilin 1, cartilage matrix protein	1p35	-3.5	0.047
HG3703-HT3915_s_at	<i>UGT1A1</i>	54658	UDP glucuronosyltransferase 1 family, polypeptide A1	2q37	-3.49	0.048
Y08265_s_at	<i>CHERP</i>	10523	calcium homeostasis endoplasmic reticulum protein	19p13.1	-3.49	0.048
HG3527-HT3721_f_at	<i>LHB</i>	3972	luteinizing hormone beta polypeptide	19q13.32	-3.49	0.048
M88461_s_at	<i>NPY1R</i>	4886	neuropeptide Y receptor Y1	4q31.3-q32	-3.48	0.048
M23234_s_at	<i>ABCB4</i>	5244	ATP-binding cassette, sub-family B (MDR/TAP), member 4	7q21.1	-3.48	0.048
U92457_s_at	<i>GRM4</i>	2914	glutamate receptor, metabotropic 4	6p21.3	-3.47	0.049

AF002224_at	<i>UBE3A</i>	7337	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	15q11-q13	-3.46	0.049
HG3107-HT3283_s_at	<i>ATP2B2</i>	491	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	3p25.3	-3.46	0.049
M14306_at	<i>CRYBA1</i>	1411	crystallin, beta A1	17q11.2	-3.46	0.049
U88902_cds1_f_at	<i>RAB18</i>	22931	RAB18, member RAS oncogene family	10p12.1	-3.46	0.049
U47677_at	<i>E2F1</i>	1869	E2F transcription factor 1	20q11.2	-3.46	0.049
U67092_at					-3.45	0.049
Y10275_at	<i>PSPH</i>	5723	phosphoserine phosphatase	7p15.2-p15.1	-3.45	0.049
D21241_xpt1_s_at	<i>CYP19A1</i>	1588	cytochrome P450, family 19, subfamily A, polypeptide 1	15q21.1	-3.45	0.049
S83513_s_at	<i>ADCYAP1</i>	116	adenylate cyclase activating polypeptide 1 (pituitary)	18p11	-3.44	0.05
M64752_at	<i>GRIA1</i>	2890	glutamate receptor, ionotropic, AMPA 1	5q33	-3.44	0.05
S66896_at	<i>SERPINB3</i>	6317	serpin peptidase inhibitor, clade B (ovalbumin), member 3	18q21.3	-3.44	0.05
HG3286-HT3463_at	<i>CRYAA</i>	1409	crystallin, alpha A	21q22.3	-3.44	0.05
AFFX-M27830_3_at					-3.44	0.05
U79266_at	<i>SAC3D1</i>	29901	SAC3 domain containing 1	11q13.1	3.44	0.05
M68864_at	<i>LOC51035</i>	51035	SAPK substrate protein 1	11q12.3	3.44	0.05
L40357_at	<i>HMGN3</i>	9324	high mobility group nucleosomal binding domain 3	6q14.1	3.44	0.05
U49352_at	<i>DECR1</i>	1666	2,4-dienoyl CoA reductase 1, mitochondrial	8q21.3	3.45	0.049
D26135_at	<i>DGKG</i>	1608	diacylglycerol kinase, gamma 90kDa	3q27.2-q27.3	3.45	0.049
X76040_at	<i>LONP1</i>	9361	lon peptidase 1, mitochondrial	19p13.2	3.45	0.049
U63312_at	<i>ETV6</i>	2120	ets variant gene 6 (TEL oncogene)	12p13	3.45	0.05
M97936_at	<i>STAT1</i>	6772	signal transducer and activator of transcription 1, 91kDa	2q32.2	3.45	0.05
D50925_at	<i>PASK</i>	23178	PAS domain containing serine/threonine kinase	2q37.3	3.47	0.048
M37400_at	<i>GOT1</i>	2805	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	10q24.1-q25.1	3.47	0.049
U59919_at	<i>KIFAP3</i>	22920	kinesin-associated protein 3	1q24.2	3.47	0.049
U50330_at	<i>BMP1</i>	649	bone morphogenetic protein 1	8p21	3.47	0.049
U90304_at	<i>IRX5</i>	10265	iroquois homeobox 5	16q11.2-q13	3.48	0.048
M14338_at	<i>PROS1</i>	5627	protein S (alpha)	3q11.2	3.48	0.048

D13636_at	<i>GTF3C2</i>	2976	general transcription factor IIIC, polypeptide 2, beta 110kDa	2p23.3	3.49	0.048
U58048_at	<i>CHMP1A</i>	5119	chromatin modifying protein 1A	16q24.3	3.49	0.048
Y00503_at	<i>KRT19</i>	3880	keratin 19	17q21.2	3.49	0.048
U58331_at	<i>SGCD</i>	6444	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	5q33-q34	3.49	0.048
L20815_at	<i>CDSN</i>	1041	corneodesmosin	6p21.3	3.5	0.047
U78524_at	<i>PIAS1</i>	8554	protein inhibitor of activated STAT, 1	15q	3.51	0.047
D63478_at	<i>UBAP2L</i>	9898	ubiquitin associated protein 2-like	1q21.3	3.52	0.046
M81780_cds5_at	<i>SMPD1</i>	6609	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	11p15.4-p15.1	3.52	0.046
L38810_at	<i>PSMC5</i>	5705	proteasome (prosome, macropain) 26S subunit, ATPase, 5	17q23-q25	3.52	0.046
U03056_at	<i>HYAL1</i>	3373	hyaluronoglucosaminidase 1	3p21.3-p21.2	3.53	0.046
U46571_at	<i>DNAJC7</i>	7266	DnaJ (Hsp40) homolog, subfamily C, member 7	17q11.2	3.53	0.046
U82532_at	<i>ARHGDI3</i>	398	Rho GDP dissociation inhibitor (GDI) gamma	16p13.3	3.53	0.046
S78569_at	<i>LAMA4</i>	3910	laminin, alpha 4	6q21	3.53	0.046
D28124_at	<i>NBL1</i>	4681	neuroblastoma, suppression of tumorigenicity 1	1p36.13-p36.11	3.54	0.046
M20471_at	<i>CLTA</i>	1211	clathrin, light chain (Lca)	9p13	3.55	0.045
L38932_at	<i>BECN1</i>	8678	beclin 1 (coiled-coil, myosin-like BCL2 interacting protein)	17q21	3.55	0.045
X12876_s_at	<i>KRT18</i>	3875	keratin 18	12q13	3.55	0.045
M26682_at	<i>LMO1</i>	4004	LIM domain only 1 (rhombotin 1)	11p15	3.56	0.045
U48296_at	<i>PTP4A1</i>	7803	protein tyrosine phosphatase type IVA, member 1	6q12	3.57	0.044
S80050_at	<i>MGAT5</i>	4249	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase	2q21	3.58	0.044
D00761_at	<i>PSMB1</i>	5689	proteasome (prosome, macropain) subunit, beta type, 1	6q27	3.58	0.044
U73524_at	<i>CLP1</i>	10978	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. cerevisiae)	11q12	3.58	0.044
M97925_rna1_at	<i>DEFA5</i>	1670	defensin, alpha 5, Paneth cell-specific	8pter-p21	3.59	0.044
K03474_at	<i>AMH</i>	268	anti-Mullerian hormone	19p13.3	3.59	0.044
M29971_at	<i>MGMT</i>	4255	O-6-methylguanine-DNA methyltransferase	10q26	3.6	0.044
M97815_at	<i>CRABP2</i>	1382	cellular retinoic acid binding protein 2	1q21.3	3.61	0.043

M69039_at	<i>C1QBP</i>	708	complement component 1, q subcomponent binding protein	17p13.3	3.61	0.043
M60047_at	<i>FGFBP1</i>	9982	fibroblast growth factor binding protein 1	4p16-p15	3.61	0.043
S80335_at	<i>ITGB7</i>	3695	integrin, beta 7	12q13.13	3.61	0.043
M84349_at	<i>CD59</i>	966	CD59 molecule, complement regulatory protein	11p13	3.61	0.044
M17262_at	<i>F2</i>	2147	coagulation factor II (thrombin)	11p11	3.62	0.043
U18919_at	<i>COASY</i>	80347	Coenzyme A synthase	17q12-q21	3.62	0.043
L41351_at	<i>PRSS8</i>	5652	protease, serine, 8	16p11.2	3.63	0.043
U57099_at	<i>SPEG</i>	10290	SPEG complex locus	2q35	3.63	0.043
U09477_at	<i>TP53BP1</i>	7158	tumor protein p53 binding protein 1	15q15-q21	3.64	0.043
M95712_at	<i>BRAF</i>	673	v-raf murine sarcoma viral oncogene homolog B1	7q34	3.64	0.043
M13903_at	<i>IVL</i>	3713	involucrin	1q21	3.65	0.042
X87838_at	<i>CTNNB1</i>	1499	catenin (cadherin-associated protein), beta 1, 88kDa	3p21	3.65	0.042
M84526_at	<i>CFD</i>	1675	complement factor D (adipsin)	19p13.3	3.65	0.042
S71824_at	<i>NCAM1</i>	4684	neural cell adhesion molecule 1	11q23.1	3.66	0.042
U17579_rna1_at	<i>GHRHR</i>	2692	growth hormone releasing hormone receptor	7p14	3.66	0.042
M60165_cds1_at	<i>GNAO1</i>	2775	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	16q13	3.66	0.042
M68840_at	<i>MAOA</i>	4128	monoamine oxidase A	Xp11.3	3.66	0.042
S76992_at	<i>VAV2</i>	7410	vav 2 guanine nucleotide exchange factor	9q34.1	3.66	0.042
M15353_at	<i>EIF4E</i>	1977	eukaryotic translation initiation factor 4E	4q21-q25	3.67	0.042
U62966_at	<i>SLC28A1</i>	9154	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	15q25-q26	3.68	0.041
U25849_at	<i>ACP1</i>	52	acid phosphatase 1, soluble	2p25	3.68	0.041
U65011_at	<i>PRAME</i>	23532	preferentially expressed antigen in melanoma	22q11.22	3.7	0.04
M58285_at	<i>NCKAP1L</i>	3071	NCK-associated protein 1-like	12q13.1	3.7	0.041
M26602_at	<i>DEFA1</i>	1667	defensin, alpha 1	8p23.1	3.7	0.041
M74297_at	<i>HOXA4</i>	3201	homeobox A4	7p15-p14	3.7	0.041
U18937_at	<i>HARS2</i>	23438	histidyl-tRNA synthetase 2, mitochondrial (putative)	5q31.3	3.7	0.041
U58091_at	<i>CUL4B</i>	8450	cullin 4B	Xq23	3.71	0.04
HG998-HT998_s_at	<i>SULT1A1</i>	6817	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	16p12.1	3.71	0.04
U09412_at	<i>ZNF134</i>	7693	zinc finger protein 134	19q13.4	3.73	0.04

U14968_at	<i>RPL27A</i>	6157	ribosomal protein L27a	11p15	3.73	0.04
U36221_at	<i>GP2</i>	2813	glycoprotein 2 (zymogen granule membrane)	16p12	3.73	0.04
D10704_at	<i>CHKA</i>	1119	choline kinase alpha	11q13.2	3.73	0.04
U08049_at	<i>PMP22</i>	5376	peripheral myelin protein 22	17p12-p11.2	3.73	0.04
M95627_at	<i>AAMP</i>	14	angio-associated, migratory cell protein	2q35	3.74	0.039
U25750_at	<i>TMEM106A</i>	113277	transmembrane protein 106A	17q21.31	3.74	0.04
U88726_at	<i>SYMPK</i>	8189	symplekin	19q13.3	3.75	0.039
U85267_at	<i>RCAN1</i>	1827	regulator of calcineurin 1	21q22.1-q22.2	3.75	0.039
L41816_at	<i>CAMK1</i>	8536	calcium/calmodulin-dependent protein kinase I	3p25.3	3.75	0.039
D43682_s_at	<i>ACADVL</i>	37	acyl-Coenzyme A dehydrogenase, very long chain	17p13-p11	3.75	0.039
U68018_at	<i>SMAD2</i>	4087	SMAD family member 2	18q21.1	3.76	0.039
U04520_at	<i>COL4A5</i>	1287	collagen, type IV, alpha 5 (Alport syndrome)	Xq22	3.76	0.039
U79296_at	<i>PDHX</i>	8050	pyruvate dehydrogenase complex, component X	11p13	3.76	0.039
L40394_at	<i>RGS6</i>	9628	regulator of G-protein signaling 6	14q24.3	3.76	0.039
L27476_at	<i>TJP2</i>	9414	tight junction protein 2 (zona occludens 2)	9q13-q21	3.77	0.039
M95623_cds1_at	<i>HMBS</i>	3145	hydroxymethylbilane synthase	11q23.3	3.78	0.039
U73377_at	<i>SHC1</i>	6464	SHC (Src homology 2 domain containing) transforming protein 1	1q21	3.78	0.039
M86849_at	<i>GJB2</i>	2706	gap junction protein, beta 2, 26kDa	13q11-q12	3.78	0.039
U71374_at	<i>PEX13</i>	5194	peroxisome biogenesis factor 13	2p14-p16	3.78	0.039
M57732_at	<i>TCF1</i>	6927	transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor	12q22-qter	3.79	0.038
M76766_at	<i>GTF2B</i>	2959	general transcription factor IIB	1p22-p21	3.8	0.038
S58733_at					3.8	0.038
U63090_at	<i>ST3GAL2</i>	6483	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	16q22.1	3.81	0.038
M60091_at	<i>GALT</i>	2592	galactose-1-phosphate uridylyltransferase	9p13	3.81	0.038
M57892_at	<i>CA6</i>	765	carbonic anhydrase VI	1p36.2	3.81	0.038
U17714_at	<i>ST13</i>	6767	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	22q13.2	3.81	0.038
U68019_at	<i>SMAD3</i>	4088	SMAD family member 3	15q22.33	3.81	0.038
U70321_at	<i>TNFRSF14</i>	8764	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	1p36.3-p36.2	3.82	0.038
U70063_at	<i>ASAH1</i>	427	N-acylsphingosine amidohydrolase (acid ceramidase) 1	8p22-p21.3	3.83	0.037

M16937_at	<i>HOXB7</i>	3217	homeobox B7	17q21.3	3.83	0.037
M34065_at	<i>CDC25C</i>	995	cell division cycle 25 homolog C (S. pombe)	5q31	3.83	0.037
M98343_at	<i>CTTN</i>	2017	cortactin	11q13	3.85	0.037
U22662_at	<i>NR1H3</i>	10062	nuclear receptor subfamily 1, group H, member 3	11p11.2	3.85	0.037
U25435_at	<i>CTCF</i>	10664	CCCTC-binding factor (zinc finger protein)	16q21-q22.3	3.85	0.037
D50582_at	<i>KCNJ11</i>	3767	potassium inwardly-rectifying channel, subfamily J, member 11	11p15.1	3.86	0.036
M77140_at	<i>GAL</i>	51083	galanin	11q13.2	3.86	0.036
X04391_at	<i>CD5</i>	921	CD5 molecule	11q13	3.86	0.036
X77548_at	<i>NCOA4</i>	8031	nuclear receptor coactivator 4	10q11.2	3.86	0.036
U23028_at	<i>EIF2B5</i>	8893	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	3q27.1	3.86	0.036
X04201_at	<i>TPM3</i>	7170	tropomyosin 3	1q21.2	3.86	0.037
M87503_at	<i>ISGF3G</i>	10379	interferon-stimulated transcription factor 3, gamma 48kDa	14q11.2	3.86	0.037
L20348_at	<i>LOC4951</i>	4951	parvalbumin	7q21.2	3.87	0.036
M93415_at	<i>ACVR2A</i>	92	activin A receptor, type IIA	2q22.3	3.87	0.036
D28589_at	<i>KIAA0114</i>	57291	KIAA0114	4q12	3.88	0.036
U41344_at	<i>PRELP</i>	5549	proline/arginine-rich end leucine-rich repeat protein	1q32	3.88	0.036
X04297_at	<i>ATP1A1</i>	476	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 1 polypeptide	1p21	3.89	0.036
D79994_at	<i>ANKRD15</i>	23189	ankyrin repeat domain 15	9p24.3	3.89	0.036
U37431_at	<i>HOXA1</i>	3198	homeobox A1	7p15.3	3.9	0.036
U29725_at	<i>MAPK7</i>	5598	mitogen-activated protein kinase 7	17p11.2	3.9	0.036
X55079_rna1_at	<i>GAA</i>	2548	glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)	17q25.2-q25.3	3.9	0.036
U72209_at	<i>YAF2</i>	10138	YY1 associated factor 2	12q12	3.9	0.036
X63753_at	<i>SON</i>	6651	SON DNA binding protein	21q22.1-q22.2	3.9	0.036
M34079_at	<i>PSMC3</i>	5702	proteasome (prosome, macropain) 26S subunit, ATPase, 3	11p12-p13	3.91	0.036
U63289_at	<i>CUGBP1</i>	10658	CUG triplet repeat, RNA binding protein 1	11p11	3.91	0.036
U08096_at	<i>PMP22</i>	5376	peripheral myelin protein 22	17p12-p11.2	3.91	0.036
M86852_at	<i>PXMP3</i>	5828	peroxisomal membrane protein 3, 35kDa (Zellweger syndrome)	8q21.1	3.92	0.036

U90306_at	<i>IRX4</i>	50805	iroquois homeobox 4	5p15.3	3.92	0.036
U07231_at	<i>GRSF1</i>	2926	G-rich RNA sequence binding factor 1	4q13	3.92	0.036
U32114_at	<i>CAV2</i>	858	caveolin 2	7q31.1	3.93	0.036
AFFX-HUMRGE/ M10098_3_at					3.93	0.036
M30894_at	<i>TARP</i>	445347	TCR gamma alternate reading frame protein	7p15-p14	3.93	0.036
U35451_at	<i>CBX1</i>	10951	chromobox homolog 1 (HP1 beta homolog Drosophila )	17q	3.93	0.036
U50929_at	<i>BHMT</i>	635	betaine-homocysteine methyltransferase	5q13.1-q15	3.94	0.036
L37043_at	<i>CSNK1E</i>	1454	casein kinase 1, epsilon	22q13.1	3.94	0.036
M15059_at	<i>FCER2</i>	2208	Fc fragment of IgE, low affinity II, receptor for (CD23)	19p13.3	3.94	0.036
D86985_at	<i>KIAA0232</i>	9778	KIAA0232	4p16.1	3.94	0.036
L40393_at	<i>NUMB</i>	8650	numb homolog (Drosophila)	14q24.3	3.95	0.036
U57092_at	<i>RAB30</i>	27314	RAB30, member RAS oncogene family	11q12-q14	3.95	0.036
U32645_at	<i>ELF4</i>	2000	E74-like factor 4 (ets domain transcription factor)	Xq26	3.95	0.036
M81780_cds4_at	<i>SMPD1</i>	6609	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	11p15.4-p15.1	3.95	0.036
AF000177_at	<i>LSM1</i>	27257	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	8p11.2	3.96	0.035
L41690_at	<i>TRADD</i>	8717	TNFRSF1A-associated via death domain	16q22	3.98	0.035
L03532_at	<i>HNRPM</i>	4670	heterogeneous nuclear ribonucleoprotein M	19p13.3-p13.2	3.98	0.035
U51334_at	<i>TAF15</i>	8148	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa	17q11.1-q11.2	3.99	0.035
M74447_at	<i>TAP2</i>	6891	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	6p21.3	3.99	0.035
M69023_at	<i>TSPAN3</i>	10099	tetraspanin 3	15q24.3	3.99	0.035
D79992_at	<i>MDC1</i>	9656	mediator of DNA damage checkpoint 1	6p21.3	3.99	0.035
L37127_at	<i>POLR2J</i>	5439	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	7q22.1	3.99	0.035
U79298_at	<i>FAM110B</i>	90362	family with sequence similarity 110, member B	8q12.1	3.99	0.035
L07044_at	<i>CAMK2G</i>	818	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	10q22	4	0.035
U20647_at	<i>ZBTB17</i>	7709	zinc finger and BTB domain containing 17	1p36.2-p36.1	4.01	0.034
L06845_at	<i>CARS</i>	833	cysteinyl-tRNA synthetase	11p15.5	4.01	0.034

L41607_at	<i>GCNT2</i>	2651	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)	6p24.2	4.01	0.035
L41668_ma1_at	<i>GALE</i>	2582	UDP-galactose-4-epimerase	1p36-p35	4.02	0.034
U53468_at	<i>NDUFA5</i>	4698	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	7q32	4.02	0.034
M37197_at	<i>CEBPZ</i>	10153	CCAAT/enhancer binding protein zeta	2p22.2	4.03	0.034
D79991_at	<i>NUP188</i>	23511	nucleoporin 188kDa	9q34.11	4.04	0.034
M17466_at	<i>F12</i>	2161	coagulation factor XII (Hageman factor)	5q33-qter	4.04	0.034
U52112_rna1_at	<i>L1CAM</i>	3897	L1 cell adhesion molecule	Xq28	4.04	0.034
M13690_s_at	<i>SERPING1</i>	710	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	11q12-q13.1	4.05	0.034
L13210_at	<i>LGALS3BP</i>	3959	lectin, galactoside-binding, soluble, 3 binding protein	17q25	4.06	0.034
S76965_at	<i>PKIA</i>	5569	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	8q21.12	4.07	0.034
L24203_at	<i>TRIM29</i>	23650	tripartite motif-containing 29	11q22-q23	4.08	0.034
U48408_at	<i>AQP6</i>	363	aquaporin 6, kidney specific	12q13	4.08	0.034
X13956_at	<i>CCDC130</i>	81576	coiled-coil domain containing 130	19p13.13	4.09	0.033
M32373_at	<i>ARSB</i>	411	arylsulfatase B	5q11-q13	4.09	0.033
HG908-HT908_at	<i>PORCN</i>	64840	porcupine homolog (Drosophila)	Xp11.23	4.1	0.033
X04325_at	<i>GJB1</i>	2705	gap junction protein, beta 1, 32kDa	Xq13.1	4.11	0.033
U66619_at	<i>SMARCD3</i>	6604	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	7q35-q36	4.11	0.033
U11090_at	<i>ASMT</i>	438	acetylserotonin O-methyltransferase	Xp22.3	4.11	0.033
D83783_at	<i>MED12</i>	9968	mediator complex subunit 12	Xq13	4.11	0.033
U79260_at	<i>FTO</i>	79068	fat mass and obesity associated	16q12.2	4.12	0.033
U57057_at	<i>CORO2A</i>	7464	coronin, actin binding protein, 2A	9q22.3	4.12	0.033
X02317_at	<i>SOD1</i>	6647	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	21q22.1	4.12	0.033
U65092_at	<i>CITED1</i>	4435	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1	Xq13.1	4.13	0.033
U78521_at	<i>AIP</i>	9049	aryl hydrocarbon receptor interacting protein	11q13.3	4.13	0.033
D86957_at	<i>Sept_08</i>	23176	septin 8	5q31	4.14	0.033
V00563_at	<i>IGHM</i>	3507	immunoglobulin heavy constant mu	14q32.33	4.14	0.033
D28915_at	<i>IFI44</i>	10561	interferon-induced protein 44	1p31.1	4.14	0.033



M21142_cds2_s_at	<i>GNAS</i>	2778	GNAS complex locus	20q13.3	4.15	0.032
U11292_at	<i>PSME3</i>	10197	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)	17q21	4.17	0.032
D13635_at	<i>UBE3C</i>	9690	ubiquitin protein ligase E3C	7q36.3	4.17	0.032
S70609_at	<i>SLC6A9</i>	6536	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	1p33	4.18	0.032
U79267_at	<i>PPP4R1</i>	9989	protein phosphatase 4, regulatory subunit 1	18p11.22	4.19	0.031
U58334_at	<i>TP53BP2</i>	7159	tumor protein p53 binding protein, 2	1q42.1	4.2	0.031
D10522_at	<i>MARCKS</i>	4082	myristoylated alanine-rich protein kinase C substrate	6q22.2	4.22	0.03
U90426_at	<i>DDX39</i>	10212	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	19p13.12	4.22	0.031
U97105_at	<i>DPYSL2</i>	1808	dihydropyrimidinase-like 2	8p22-p21	4.23	0.03
U33818_at	<i>PABPC4</i>	8761	poly(A) binding protein, cytoplasmic 4 (inducible form)	1p32-p36	4.26	0.03
U52111_rna4_at	<i>PLXNB3</i>	5365	plexin B3	Xq28	4.26	0.03
S77094_at	<i>CHRNA1</i>	1134	cholinergic receptor, nicotinic, alpha 1 (muscle)	2q24-q32	4.27	0.03
X64330_at	<i>ACLY</i>	47	ATP citrate lyase	17q12-q21	4.27	0.03
M15182_at	<i>GUSB</i>	2990	glucuronidase, beta	7q21.11	4.27	0.03
U72066_at	<i>RBBP8</i>	5932	retinoblastoma binding protein 8	18q11.2	4.27	0.03
U90919_at	<i>ZNF410</i>	57862	zinc finger protein 410	14q24.3	4.28	0.03
D21261_at	<i>TAGLN2</i>	8407	transgelin 2	1q21-q25	4.29	0.03
J02973_rna1_at	<i>THBD</i>	7056	thrombomodulin	20p11.2	4.3	0.03
M97856_at	<i>NASP</i>	4678	nuclear autoantigenic sperm protein (histone-binding)	1p34.1	4.3	0.03
M32334_at	<i>ICAM2</i>	3384	intercellular adhesion molecule 2	17q23-q25	4.3	0.03
U53476_at	<i>WNT7A</i>	7476	wingless-type MMTV integration site family, member 7A	3p25	4.3	0.03
S57235_at	<i>CD68</i>	968	CD68 molecule	17p13	4.31	0.03
U90336_at	<i>PEG3</i>	5178	paternally expressed 3	19q13.4	4.32	0.03
U66075_at	<i>GATA6</i>	2627	GATA binding protein 6	18q11.1-q11.2	4.32	0.03
U77456_at	<i>NAP1L4</i>	4676	nucleosome assembly protein 1-like 4	11p15.5	4.32	0.03
U22897_at	<i>CALCOCO2</i>	10241	calcium binding and coiled-coil domain 2	17q21.32	4.33	0.03
M37104_at	<i>ATP5J</i>	522	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit F6	21q21.1	4.33	0.03
M98045_at	<i>FPGS</i>	2356	folylpolyglutamate synthase	9q34.1	4.33	0.03
U11036_at	<i>GALM</i>	130589	galactose mutarotase (aldose 1-epimerase)	2p22.1	4.34	0.03

X02596_at	<i>BCR</i>	613	breakpoint cluster region	22q11	4.34	0.03
X13482_at	<i>SNRPA1</i>	6627	small nuclear ribonucleoprotein polypeptide A'	15q26.3	4.34	0.03
M26062_at	<i>IL2RB</i>	3560	interleukin 2 receptor, beta	22q13	4.34	0.03
U23143_at	<i>SHMT2</i>	6472	serine hydroxymethyltransferase 2 (mitochondrial)	12q12-q14	4.34	0.03
U07225_at	<i>P2RY2</i>	5029	purinergic receptor P2Y, G-protein coupled, 2	11q13.5-q14.1	4.35	0.03
U71598_at	<i>ZNF274</i>	10782	zinc finger protein 274	19qter	4.35	0.03
U18934_at	<i>TYRO3</i>	7301	TYRO3 protein tyrosine kinase	15q15.1-q21.1	4.35	0.03
X51521_at	<i>VIL2</i>	7430	villin 2 (ezrin)	6q25.2-q26	4.35	0.03
X54936_at	<i>PGF</i>	5228	placental growth factor, vascular endothelial growth factor-related protein	14q24-q31	4.37	0.03
L43631_at	<i>SAFB</i>	6294	scaffold attachment factor B	19p13.3-p13.2	4.38	0.03
U14575_at	<i>PPP1R8</i>	5511	protein phosphatase 1, regulatory (inhibitor) subunit 8	1p35	4.39	0.03
M11353_at	<i>H3F3A</i>	3020	H3 histone, family 3A	1q41	4.39	0.03
L47345_at	<i>TCEB3</i>	6924	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)	1p36.1	4.4	0.03
L07493_at	<i>RPA3</i>	6119	replication protein A3, 14kDa	7p22	4.4	0.03
D82348_at	<i>ATIC</i>	471	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	2q35	4.4	0.03
U73514_at	<i>HSD17B10</i>	3028	hydroxysteroid (17-beta) dehydrogenase 10	Xp11.2	4.4	0.03
U04810_at	<i>TROAP</i>	10024	trophinin associated protein (tastin)	12q13.12	4.41	0.03
D84145_at	<i>DCTN6</i>	10671	dynactin 6	8p12-p11	4.41	0.03
M64572_at	<i>PTPN3</i>	5774	protein tyrosine phosphatase, non-receptor type 3	9q31	4.43	0.03
U22963_at	<i>MR1</i>	3140	major histocompatibility complex, class I-related	1q25.3	4.43	0.03
U61263_at	<i>ILVBL</i>	10994	ilvB (bacterial acetolactate synthase)-like	19p13.1	4.45	0.03
D87469_at	<i>CELSR2</i>	1952	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	1p21	4.45	0.03
L77566_at	<i>DGCR14</i>	8220	DiGeorge syndrome critical region gene 14	22q11.21	4.46	0.03
U79299_at	<i>OLFM1</i>	10439	olfactomedin 1	9q34.3	4.47	0.029
U09584_at	<i>TMEM115</i>	11070	transmembrane protein 115	3p21.3	4.47	0.029
U17894_at	<i>FUT2</i>	2524	fucosyltransferase 2 (secretor status included)	19q13.3	4.48	0.029
D21267_at	<i>SNAP25</i>	6616	synaptosomal-associated protein, 25kDa	20p12-p11.2	4.5	0.029
L09209_s_at	<i>APLP2</i>	334	amyloid beta (A4) precursor-like protein 2	11q23-q25	4.51	0.029

X06272_at	<i>SRPR</i>	6734	signal recognition particle receptor ('docking protein')	11q24.3	4.52	0.029
U44839_at	<i>USP11</i>	8237	ubiquitin specific peptidase 11	Xp11.23	4.52	0.029
U85611_at	<i>CIB1</i>	10519	calcium and integrin binding 1 (calmyrin)	15q25.3-q26	4.53	0.029
U39487_at	<i>XDH</i>	7498	xanthine dehydrogenase	2p23.1	4.54	0.028
U88667_at	<i>ABCA4</i>	24	ATP-binding cassette, sub-family A (ABC1), member 4	1p22.1-p21	4.54	0.029
U66469_at	<i>CGRRF1</i>	10668	cell growth regulator with ring finger domain 1	14q22.2	4.55	0.028
U49869_rna1_at	<i>UBB</i>	7314	ubiquitin B	17p12-p11.2	4.55	0.028
X66364_at	<i>CDK5</i>	1020	cyclin-dependent kinase 5	7q36	4.56	0.028
U52112_rna5_at	<i>RENBP</i>	5973	renin binding protein	Xq28	4.56	0.028
D29805_at	<i>B4GALT1</i>	2683	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1	9p13	4.56	0.028
U79265_at	<i>B3GNTL1</i>	146712	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1	17q25.3	4.58	0.028
U72507_at	<i>MBOAT5</i>	10162	membrane bound O-acyltransferase domain containing 5	12p13	4.58	0.028
D42053_at	<i>MBTPS1</i>	8720	membrane-bound transcription factor peptidase, site 1		16 4.59	0.028
U49742_at	<i>RHO</i>	6010	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)	3q21-q24	4.59	0.028
D21262_at	<i>NOLC1</i>	9221	nucleolar and coiled-body phosphoprotein 1	10q24.32	4.67	0.026
U82671_cds2_at	<i>ZNF185</i>	7739	zinc finger protein 185 (LIM domain)	Xq28	4.68	0.026
U32324_at	<i>IL11RA</i>	3590	interleukin 11 receptor, alpha	9p13	4.75	0.024
U37673_at	<i>AP3B2</i>	8120	adaptor-related protein complex 3, beta 2 subunit	15q	4.76	0.024
HG1102-HT1102_at	<i>RAC1</i>	5879	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	7p22	4.78	0.024
U43177_at	<i>UCN</i>	7349	urocortin	2p23-p21	4.79	0.024
U08377_at	<i>SFRS8</i>	6433	splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila)	12q24.33	4.81	0.024
U49844_at	<i>ATR</i>	545	ataxia telangiectasia and Rad3 related	3q22-q24	4.82	0.024
S74728_at	<i>ALDH7A1</i>	501	aldehyde dehydrogenase 7 family, member A1	5q31	4.84	0.024
X16662_at	<i>ANXA8L2</i>	244	annexin A8-like 2	10q11.22	4.84	0.024
U48437_at	<i>APLP1</i>	333	amyloid beta (A4) precursor-like protein 1	19q13.1	4.86	0.024

U77413_at	<i>OGT</i>	8473	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	Xq13	4.9	0.023
U46689_at	<i>ALDH3A2</i>	224	aldehyde dehydrogenase 3 family, member A2	17p11.2	4.9	0.023
D76444_at	<i>RNF103</i>	7844	ring finger protein 103	2p11.2	4.92	0.023
M13955_at	<i>KRT7</i>	3855	keratin 7	12q12-q13	4.92	0.023
D84424_at	<i>HAS1</i>	3036	hyaluronan synthase 1	19q13.4	4.93	0.023
M62302_at	<i>GDF1</i>	2657	growth differentiation factor 1	19p12	4.93	0.023
U01160_at	<i>TSPAN31</i>	6302	tetraspanin 31	12q13.3	4.94	0.023
U65404_at	<i>KLF1</i>	10661	Kruppel-like factor 1 (erythroid)	19p13.13-p13.12	4.94	0.023
X56997_rna1_at	<i>UBA52</i>	7311	ubiquitin A-52 residue ribosomal protein fusion product 1	19p13.1-p12	4.97	0.023
U97502_rna1_at	<i>BTN3A2</i>	11118	butyrophilin, subfamily 3, member A2	6p22.1	5.03	0.023
U04811_at	<i>TRO</i>	7216	trophinin	Xp11.22-p11.21	5.06	0.023
U79302_at	<i>TP53I11</i>	9537	tumor protein p53 inducible protein 11	11p11.2	5.06	0.023
X85750_at	<i>MMD</i>	23531	monocyte to macrophage differentiation-associated	17q	5.13	0.022
L38928_at	<i>MTHFS</i>	10588	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	15q25.1	5.14	0.022
U24576_at	<i>LMO4</i>	8543	LIM domain only 4	1p22.3	5.15	0.022
U94592_at	<i>UCP2</i>	7351	uncoupling protein 2 (mitochondrial, proton carrier)	11q13	5.15	0.022
U44772_at	<i>PPT1</i>	5538	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	1p32	5.18	0.022
M32313_at	<i>SRD5A1</i>	6715	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	5p15	5.22	0.022
X16832_at	<i>CTSH</i>	1512	cathepsin H	15q24-q25	5.25	0.021
U49857_at	<i>C1orf61</i>	10485	chromosome 1 open reading frame 61	1q22	5.27	0.021
X13916_at	<i>LRP1</i>	4035	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	12q13-q14	5.3	0.02
U94585_at	<i>DPF2</i>	5977	D4, zinc and double PHD fingers family 2	11q13	5.32	0.02
S72370_at	<i>PC</i>	5091	pyruvate carboxylase	11q13.4-q13.5	5.35	0.02
U20657_at	<i>USP4</i>	7375	ubiquitin specific peptidase 4 (proto-oncogene)	3p21.3	5.39	0.019
X15525_rna1_at	<i>ACP2</i>	53	acid phosphatase 2, lysosomal	11p11.2-p11.11	5.44	0.018

M63391_rna1_at	<i>DES</i>	1674	desmin	2q35	5.44	0.018
U14588_at	<i>PXN</i>	5829	paxillin	12q24.31	5.46	0.018
U61232_at	<i>TBCE</i>	6905	tubulin folding cofactor E	1q42.3	5.46	0.018
S81003_at	<i>UBE2L3</i>	7332	ubiquitin-conjugating enzyme E2L 3	22q11.21	5.55	0.018
U69645_at	<i>ZNF32</i>	7580	zinc finger protein 32	10q22-q25	5.57	0.018
U41387_at	<i>DDX21</i>	9188	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	10q21	5.57	0.018
U01147_at	<i>ABR</i>	29	active BCR-related gene	17p13.3	5.58	0.018
U15782_at	<i>CSTF3</i>	1479	cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa	11p13	5.58	0.018
U03100_at	<i>CTNNA1</i>	1495	catenin (cadherin-associated protein), alpha 1, 102kDa	5q31	5.64	0.018
U41060_at	<i>SLC39A6</i>	25800	solute carrier family 39 (zinc transporter), member 6	18q12.2	5.64	0.018
M94345_at	<i>CAPG</i>	822	capping protein (actin filament), gelsolin-like	2p11.2	5.64	0.018
U16799_s_at	<i>ATP1B1</i>	481	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide	1q24	5.73	0.017
U73682_at	<i>CTAGE5</i>	4253	CTAGE family, member 5	14q13.3	5.77	0.017
M86934_at	<i>HDHD1A</i>	8226	haloacid dehalogenase-like hydrolase domain containing 1A	Xp22.32	5.84	0.016
U18932_at	<i>NDST1</i>	3340	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	5q33.1	5.89	0.016
M33197_3_at	<i>GAPDH</i>	2597	glyceraldehyde-3-phosphate dehydrogenase	12p13	5.94	0.016
X74929_s_at	<i>KRT8</i>	3856	keratin 8	12q13	6.08	0.014
M74491_at	<i>ARF3</i>	377	ADP-ribosylation factor 3	12q13	6.1	0.014
U33849_at	<i>PCSK7</i>	9159	proprotein convertase subtilisin/kexin type 7	11q23-q24	6.1	0.014
L20591_at	<i>ANXA3</i>	306	annexin A3	4q13-q22	6.23	0.014
M58297_at	<i>MZF1</i>	7593	myeloid zinc finger 1	19q13.2-q13.4	6.29	0.014
L20861_at	<i>WNT5A</i>	7474	wingless-type MMTV integration site family, member 5A	3p21-p14	6.31	0.014
U25956_at	<i>SELPLG</i>	6404	selectin P ligand	12q24	6.43	0.013
X76057_at	<i>MPI</i>	4351	mannose phosphate isomerase	15q22-qter	6.56	0.013
X13973_at	<i>RNH1</i>	6050	ribonuclease/angiogenin inhibitor 1	11p15.5	6.62	0.013
U43286_at	<i>SEPHS2</i>	22928	selenophosphate synthetase 2	16p11.2	6.77	0.012
U41371_at	<i>SF3B2</i>	10992	splicing factor 3b, subunit 2, 145kDa	11q13.1	6.82	0.012
M61916_at	<i>LAMB1</i>	3912	laminin, beta 1	7q22	6.98	0.011
U61262_at	<i>NEO1</i>	4756	neogenin homolog 1 (chicken)	15q22.3-q23	7.11	0.011

U40998_at	<i>UNC119</i>	9094	unc-119 homolog ( <i>C. elegans</i> )	17q11.2	7.19	0.011
M57730_at	<i>EFNA1</i>	1942	ephrin-A1	1q21-q22	7.62	0.009
U10868_at	<i>ALDH3B1</i>	221	aldehyde dehydrogenase 3 family, member B1	11q13	8.31	0.007
M63379_at	<i>CLU</i>	1191	clusterin	8p21-p12	8.54	0.007

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