



## **Supplemental Material to:**

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**Gene expression differences in adipose tissue associated  
with breast tumorigenesis**

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**Table S1.** Genes differentially expressed between tumor-adjacent and distant adipose from 20 post-menopausal women with invasive breast cancer. Expression level differences were validated for those genes in bold.

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
<b>0.0003356</b>	<b>209875_s_at</b>	<b>3.93</b>	<b>SPP1</b>	<b>Secreted phosphoprotein 1</b>	<b>6696</b>
<b>2.24E-05</b>	<b>201890_at</b>	<b>3.4</b>	<b>RRM2</b>	<b>Ribonucleotidereductase M2</b>	<b>6241</b>
<b>0.0047765</b>	<b>203936_s_at</b>	<b>3.33</b>	<b>MMP9</b>	<b>Matrix metalloproteinase 9 (gelatinase B, 92kda gelatinase, 92kda type IV collagenase)</b>	<b>4318</b>
<b>0.0006941</b>	<b>206214_at</b>	<b>3.01</b>	<b>PLA2G7</b>	<b>Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)</b>	<b>7941</b>
<b>0.0001974</b>	<b>209396_s_at</b>	<b>2.97</b>	<b>CHI3L1</b>	<b>Chitinase 3-like 1 (cartilage glycoprotein-39)</b>	<b>1116</b>
<b>0.0025852</b>	<b>204259_at</b>	<b>2.64</b>	<b>MMP7</b>	<b>Matrix metalloproteinase 7 (matrilysin, uterine)</b>	<b>4316</b>
0.0039884	201422_at	2.56	IFI30	Interferon, gamma-inducible protein 30	10437
2.89E-05	218039_at	2.45	NUSAP1	Nucleolar and spindle associated protein 1	51203
0.002203	221210_s_at	2.41	NPL	N-acetylneuraminase pyruvate lyase (dihydrodipicolinate synthase)	80896
0.0019906	219386_s_at	2.36	SLAMF8	SLAM family member 8	56833
0.003259	204638_at	2.33	ACP5	Acid phosphatase 5, tartrate resistant	54
0.0009249	203240_at	2.24	FCGBP	Fc fragment of igg binding protein	8857
0.0082057	217552_x_at	2.09	CR1	Complement component (3b/4b) receptor 1 (Knops blood group)	1378
0.0011661	209606_at	2.06	CYTIP	Cytohesin 1 interacting protein	9595
0.009725	205569_at	2.06	LAMP3	Lysosomal-associated membrane protein 3	27074
0.0028785	207165_at	2.05	HMMR	Hyaluronan-mediated motility receptor (RHAMM)	3161
0.003867	214770_at	2.02	MSR1	Macrophage scavenger receptor 1	4481
0.0053602	219799_s_at	2.02	DHRS9	Dehydrogenase/reductase (SDR family) member 9	10170
0.00374	204787_at	2.01	VSIG4	V-set and immunoglobulin domain containing 4	11326
<b>0.0030656</b>	<b>206134_at</b>	<b>2</b>	<b>ADAMDEC1</b>	<b>ADAM-like, decysin 1</b>	<b>27299</b>
0.0017403	215049_x_at	1.94	CD163	CD163 molecule	9332
0.0052236	219505_at	1.94	CECR1	Cat eye syndrome chromosome region, candidate 1	51816
0.0027468	202503_s_at	1.93	KIAA0101	Kiaa0101	9768
0.0036383	207540_s_at	1.93	SYK	Spleen tyrosine kinase	6850
9.64E-05	202589_at	1.89	TYMS	Thymidylatesynthetase	7298
0.0029199	220330_s_at	1.88	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	64092
0.0016751	219344_at	1.87	SLC29A3	Solute carrier family 29 (nucleoside transporters), member 3	55315
0.0002895	204825_at	1.86	MELK	Maternal embryonic leucine zipper kinase	9833
0.0019932	208079_s_at	1.86	AURKA	Aurora kinase A	6790
0.0025394	201292_at	1.86	TOP2A	Topoisomerase (DNA) II alpha 170kda	7153
0.0012023	203148_s_at	1.85	TRIM14	Tripartite motif-containing 14	9830
0.0026574	209734_at	1.84	NCKAP1L	NCK-associated protein 1-like	3071
0.0046402	203760_s_at	1.84	SLA	Src-like-adaptor	6503
0.009694	204588_s_at	1.83	SLC7A7	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	9056
0.0013364	204137_at	1.82	GPR137B	G protein-coupled receptor 137B	7107
0.0036007	204337_at	1.82	RGS4	Regulator of G-protein signaling 4	5999

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0.0015251	213869_x_at	1.81	THY1	Thy-1 cell surface antigen	7070
0.0077075	203416_at	1.81	CD53	CD53 molecule	963
0.0015914	204146_at	1.8	RAD51AP1	RAD51 associated protein 1	10635
0.0048473	201721_s_at	1.8	LAPTM5	Lysosomal protein transmembrane 5	7805
0.0057977	216834_at	1.79	RGS1	Regulator of G-protein signaling 1	5996
0.009431	206715_at	1.78	TFEC	Transcription factor EC	22797
0.0017595	212488_at	1.77	COL5A1	Collagen, type V, alpha 1	1289
0.0066839	214511_x_at	1.77	FCGR1B	Fc fragment of igg, high affinity lb, receptor (CD64)	2210
0.0025883	202954_at	1.76	UBE2C	Ubiquitin-conjugating enzyme E2C	11065
0.0053765	214467_at	1.75	GPR65	G protein-coupled receptor 65	8477
0.0054807	202391_at	1.74	BASP1	Brain abundant, membrane attached signal protein 1	10409
0.0043167	213125_at	1.73	OLFML2B	Olfactomedin-like 2B	25903
0.0053887	203471_s_at	1.73	PLEK	Pleckstrin	5341
0.0001677	205105_at	1.72	MAN2A1	Mannosidase, alpha, class 2A, member 1	4124
0.0024154	216250_s_at	1.72	LPXN	Leupaxin	9404
0.0040031	204982_at	1.69	GIT2	G protein-coupled receptor kinase interacting arfgap 2	9815
0.0058881	210059_s_at	1.69	MAPK13	Mitogen-activated protein kinase 13	5603
0.0072444	205479_s_at	1.69	PLAU	Plasminogen activator, urokinase	5328
4.16E-05	203358_s_at	1.68	EZH2	Enhancer of zeste homolog 2 (Drosophila)	2146
0.0037548	213135_at	1.66	TIAM1	T-cell lymphoma invasion and metastasis 1	7074
0.0044157	214085_x_at	1.66	GLIPR1	GLI pathogenesis-related 1	11010
0.0068644	219403_s_at	1.66	HPSE	Heparanase	10855
0.0074941	205098_at	1.66	CCR1	Chemokine (C-C motif) receptor 1	1230
0.0077472	208146_s_at	1.66	CPVL	Carboxypeptidase, vitellogenic-like	54504
0.0006037	209627_s_at	1.65	OSBPL3	Oxysterol binding protein-like 3	26031
0.008156	204774_at	1.65	EVI2A	Ecotropic viral integration site 2A	2123
0.0012253	218009_s_at	1.64	PRC1	Protein regulator of cytokinesis 1	9055
0.0035824	205504_at	1.63	BTK	Brutonagammaglobulinemia tyrosine kinase	695
0.0077447	203052_at	1.63	C2	Complement component 2	717
0.0082134	203473_at	1.63	SLCO2B1	Solute carrier organic anion transporter family, member 2B1	11309
0.0011952	203755_at	1.61	BUB1B	Budding uninhibited by benzimidazoles 1 homolog beta (yeast)	701
0.0041828	204912_at	1.61	IL10RA	Interleukin 10 receptor, alpha	3587
0.0045576	205666_at	1.6	FMO1	Flavin containing monooxygenase 1	2326
0.0051567	203554_x_at	1.59	PTTG1	Pituitary tumor-transforming 1	9232
0.0086067	221521_s_at	1.59	GINS2	GINS complex subunit 2 (Psf2 homolog)	51659
0.0080088	221731_x_at	1.58	VCAN	Versican	1462
0.0008528	204026_s_at	1.57	ZWINT	ZW10 interactor	11130
0.0004001	202207_at	1.56	ARL4C	ADP-ribosylation factor-like 4C	10123
0.0023225	208195_at	1.56	TTN	Titin	7273

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0.0050495	212658_at	1.56	LHFPL2	Lipoma HMGIC fusion partner-like 2	10184
0.0055473	209360_s_at	1.56	RUNX1	Runt-related transcription factor 1	861
0.0069799	217984_at	1.55	RNASET2	Ribonuclease T2	8635
0.0075925	208885_at	1.55	LCP1	Lymphocyte cytosolic protein 1 (L-plastin)	3936
0.0071944	204923_at	1.54	SASH3	SAM and SH3 domain containing 3	54440
0.0087396	204170_s_at	1.54	CKS2	CDC28 protein kinase regulatory subunit 2	1164
0.0067119	202838_at	1.53	FUCA1	Fucosidase, alpha-L- 1, tissue	2517
0.007859	213888_s_at	1.53	TRAF3IP3	TRAF3 interacting protein 3	80342
0.0003089	221802_s_at	1.52	KIAA1598	Kiaa1598	57698
0.0003683	219033_at	1.52	PARP8	Poly (ADP-ribose) polymerase family, member 8	79668
0.0012659	209380_s_at	1.52	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	10057
0.0022784	201818_at	1.52	LPCAT1	Lysophosphatidylcholineacyltransferase 1	79888
0.0033638	218627_at	1.52	DRAM1	DNA-damage regulated autophagy modulator 1	55332
0.0046727	207075_at	1.52	NLRP3	NLR family, pyrin domain containing 3	114548
0.0047778	209408_at	1.52	KIF2C	Kinesin family member 2C	11004
0.0086424	207565_s_at	1.52	MR1	Major histocompatibility complex, class I-related	3140
0.0029198	213418_at	1.51	HSPA6	Heat shock 70kda protein 6 (HSP70B')	3310
0.0037236	217771_at	1.51	GOLM1	Golgi membrane protein 1	51280
0.0038918	201563_at	1.51	SORD	Sorbitol dehydrogenase	6652
0.005342	212810_s_at	1.51	SLC1A4	Solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	6509
0.0008395	219631_at	1.5	LRP12	Low density lipoprotein receptor-related protein 12	29967
0.0060581	212314_at	1.5	SEL1L3	Sel-1 suppressor of lin-12-like 3 (C. Elegans)	23231
0.0073122	206638_at	1.5	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	3357
0.0089049	219032_x_at	1.5	OPN3	Opsin 3	23596
0.0090037	207571_x_at	1.5	C1orf38	Chromosome 1 open reading frame 38	9473
0.0018087	207828_s_at	1.49	CENPF	Centromere protein F, 350/400kda (mitosin)	1063
0.0005606	204861_s_at	1.48	NAIP	NLR family, apoptosis inhibitory protein	4671
0.0046906	202628_s_at	1.48	SERPINE1	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	5054
0.0060288	219735_s_at	1.48	TFCP2L1	Transcription factor CP2-like 1	29842
0.0086554	203213_at	1.48	CDK1	Cyclin-dependent kinase 1	983
0.0096176	219358_s_at	1.48	ADAP2	Arfgap with dual PH domains 2	55803
0.0052655	219105_x_at	1.47	ORC6L	Origin recognition complex, subunit 6 like (yeast)	23594
0.0059786	205988_at	1.47	CD84	CD84 molecule	8832
0.0014417	206028_s_at	1.46	MERTK	C-mer proto-oncogene tyrosine kinase	10461
0.0017444	214806_at	1.46	BICD1	Bicaudal D homolog 1 (Drosophila)	636
0.0023701	209693_at	1.46	ASTN2	Astrotactin 2	23245
0.0045869	203185_at	1.46	RASSF2	Ras association (ralgds/AF-6) domain family member 2	9770
0.0078033	212820_at	1.46	DMXL2	Dmx-like 2	23312
0.0008997	202869_at	1.45	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kda	4938

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0.0029346	209267_s_at	1.45	SLC39A8	Solute carrier family 39 (zinc transporter), member 8	64116
0.00569	204527_at	1.45	MYO5A	Myosin VA (heavy chain 12, myosin)	4644
0.0068839	200708_at	1.45	GOT2	Glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	2806
0.0018196	202087_s_at	1.44	CTSL1	Cathepsin L1	1514
0.0028339	203530_s_at	1.44	STX4	Syntaxin 4	6810
0.0033591	214697_s_at	1.44	ROD1	ROD1 regulator of differentiation 1 (S. Pombe)	9991
0.008842	222039_at	1.44	KIF18B	Kinesin family member 18B	146909
0.0097392	202888_s_at	1.44	ANPEP	Alanyl (membrane) aminopeptidase	290
0.0011624	212481_s_at	1.43	TPM4	Tropomyosin 4	7171
0.002494	218443_s_at	1.43	DAZAP1	DAZ associated protein 1	26528
0.0058446	206687_s_at	1.43	PTPN6	Protein tyrosine phosphatase, non-receptor type 6	5777
0.0070059	218543_s_at	1.42	PARP12	Poly (ADP-ribose) polymerase family, member 12	64761
0.007597	204033_at	1.42	TRIP13	Thyroid hormone receptor interactor 13	9319
0.0044509	218257_s_at	1.41	UGGT1	UDP-glucose glycoprotein glucosyltransferase 1	56886
0.0053565	219210_s_at	1.41	RAB8B	RAB8B, member RAS oncogene family	51762
0.0061665	219806_s_at	1.41	C11orf75	Chromosome 11 open reading frame 75	56935
0.0016516	203744_at	1.4	HMGB3	High-mobility group box 3	3149
0.0033126	206060_s_at	1.4	PTPN22	Protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	26191
0.0061097	203879_at	1.4	PIK3CD	Phosphoinositide-3-kinase, catalytic, delta polypeptide	5293
0.0062097	201847_at	1.4	LIPA	Lipase A, lysosomal acid, cholesterol esterase	3988
0.0069465	221734_at	1.4	PRRC1	Proline-rich coiled-coil 1	133619
0.0019759	213428_s_at	1.39	COL6A1	Collagen, type VI, alpha 1	1291
0.0064075	201576_s_at	1.39	GLB1	Galactosidase, beta 1	2720
0.0074102	210809_s_at	1.39	POSTN	Periostin, osteoblast specific factor	10631
0.0006619	217947_at	1.38	CMTM6	CKLF-like MARVEL transmembrane domain containing 6	54918
0.0017961	202329_at	1.38	CSK	C-src tyrosine kinase	1445
0.0028848	201883_s_at	1.37	B4GALT1	UDP-Gal:betaglucnac beta 1,4- galactosyltransferase, polypeptide 1	2683
0.0039191	202404_s_at	1.37	COL1A2	Collagen, type I, alpha 2	1278
0.0062403	211719_x_at	1.37	FN1	Fibronectin 1	2335
0.0098333	210074_at	1.37	CTSL2	Cathepsin L2	1515
0.0020082	214453_s_at	1.36	IFI44	Interferon-induced protein 44	10561
0.003898	210125_s_at	1.36	BANF1	Barrier to autointegration factor 1	8815
0.0063312	205024_s_at	1.36	RAD51	RAD51 homolog (reca homolog, E. Coli) (S. Cerevisiae)	5888
0.0069814	213007_at	1.36	FANCI	Fanconi anemia, complementation group I	55215
0.008555	208248_x_at	1.36	APLP2	Amyloid beta (A4) precursor-like protein 2	334
0.003228	221538_s_at	1.35	PLXNA1	Plexin A1	5361
0.0095224	219734_at	1.35	SIDT1	SID1 transmembrane family, member 1	54847
0.0022433	202397_at	1.34	NUTF2	Nuclear transport factor 2	10204
0.0025634	203585_at	1.34	ZNF185	Zinc finger protein 185 (LIM domain)	7739

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0.0036957	204417_at	1.34	GALC	Galactosylceramidase	2581
0.004958	209545_s_at	1.34	RIPK2	Receptor-interacting serine-threonine kinase 2	8767
0.0052422	220242_x_at	1.34	ZNF701	Zinc finger protein 701	55762
0.0031561	213797_at	1.33	RSAD2	Radical S-adenosyl methionine domain containing 2	91543
0.0037867	217764_s_at	1.33	RAB31	RAB31, member RAS oncogene family	11031
0.0039831	205685_at	1.33	CD86	CD86 molecule	942
0.0043737	212281_s_at	1.33	TMEM97	Transmembrane protein 97	27346
0.0072245	212021_s_at	1.33	MKI67	Antigen identified by monoclonal antibody Ki-67	4288
0.0081089	202086_at	1.33	MX1	Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	4599
5.62E-05	212321_at	1.32	SGPL1	Sphingosine-1-phosphate lyase 1	8879
0.0009792	204728_s_at	1.32	WDHD1	WD repeat and HMG-box DNA binding protein 1	11169
0.0012094	211963_s_at	1.32	ARPC5	Actin related protein 2/3 complex, subunit 5, 16kda	10092
0.0055039	212829_at	1.32	PIP4K2A	Phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	5305
0.0090241	202188_at	1.32	NUP93	Nucleoporin 93kda	9688
0.0095982	217838_s_at	1.32	EVL	Enah/Vasp-like	51466
0.0021678	217995_at	1.31	SQRDL	Sulfide quinoreductase-like (yeast)	58472
0.0042538	218781_at	1.31	SMC6	Structural maintenance of chromosomes 6	79677
0.0048086	201278_at	1.31	DAB2	Disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	1601
0.0052592	203878_s_at	1.31	MMP11	Matrix metalloproteinase 11 (stromelysin 3)	4320
0.0070483	221957_at	1.31	PKD3	Pyruvate dehydrogenase kinase, isozyme 3	5165
0.008931	219148_at	1.31	PBK	PDZ binding kinase	55872
0.0091833	213618_at	1.31	ARAP2	Arfgap with rhogap domain, ankyrin repeat and PH domain 2	116984
0.0005992	206182_at	1.3	ZNF134	Zinc finger protein 134	7693
0.0006699	200989_at	1.3	HIF1A	Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	3091
0.0017515	217749_at	1.3	COPG	Coatmer protein complex, subunit gamma	22820
0.0048176	211048_s_at	1.3	PDIA4	Protein disulfide isomerase family A, member 4	9601
0.0059483	218400_at	1.3	OAS3	2'-5'-oligoadenylate synthetase 3, 100kda	4940
0.0064025	204674_at	1.3	LRMP	Lymphoid-restricted membrane protein	4033
0.0064302	204444_at	1.3	KIF11	Kinesin family member 11	3832
0.0005574	212539_at	1.29	CHD1L	Chromodomain helicase DNA binding protein 1-like	9557
0.0006721	213720_s_at	1.29	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	6597
0.0011121	219565_at	1.29	CYP20A1	Cytochrome P450, family 20, subfamily A, polypeptide 1	57404
0.0025466	208913_at	1.29	GGA2	Golgi-associated, gamma adaptin ear containing, ARF binding protein 2	23062
0.0041427	209444_at	1.29	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	5910
0.0041623	202580_x_at	1.29	FOXM1	Forkhead box M1	2305
0.0076891	212791_at	1.29	C1orf216	Chromosome 1 open reading frame 216	127703
0.0096237	205997_at	1.29	ADAM28	ADAM metalloproteinase domain 28	10863
0.0011904	201786_s_at	1.28	ADAR	Adenosine deaminase, RNA-specific	103

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0.0013472	206483_at	1.28	LRR6	Leucine rich repeat containing 6	23639
0.002745	208117_s_at	1.28	LAS1L	LAS1-like (S. Cerevisiae)	81887
0.0052002	200615_s_at	1.28	AP2B1	Adaptor-related protein complex 2, beta 1 subunit	163
0.0028077	200697_at	1.27	HK1	Hexokinase 1	3098
0.0030282	201967_at	1.27	RBM6	RNA binding motif protein 6	10180
0.0048307	206118_at	1.27	STAT4	Signal transducer and activator of transcription 4	6775
0.0051376	215076_s_at	1.27	COL3A1	Collagen, type III, alpha 1	1281
0.0066147	204994_at	1.27	MX2	Myxovirus (influenza virus) resistance 2 (mouse)	4600
0.0083489	210947_s_at	1.27	MSH3	Muts homolog 3 (E. Coli)	4437
0.0091269	200616_s_at	1.27	MLEC	Malectin	9761
0.0003806	218157_x_at	1.26	CDC42SE1	CDC42 small effector 1	56882
0.0004938	203974_at	1.26	HDHD1	Haloacid dehalogenase-like hydrolase domain containing 1	8226
0.0009124	204226_at	1.26	STAU2	Staufen, RNA binding protein, homolog 2 (Drosophila)	27067
0.0021223	202854_at	1.26	HPRT1	Hypoxanthine phosphoribosyltransferase 1	3251
0.0062063	202382_s_at	1.26	GNPDA1	Glucosamine-6-phosphate deaminase 1	10007
0.0071882	209683_at	1.26	FAM49A	Family with sequence similarity 49, member A	81553
0.0088209	200975_at	1.26	PPT1	Palmitoyl-protein thioesterase 1	5538
0.0097531	219863_at	1.26	HERC5	Hect domain and RLD 5	51191
0.0002413	218374_s_at	1.25	C12orf4	Chromosome 12 open reading frame 4	57102
0.0009292	218229_s_at	1.25	POGK	Pogo transposable element with KRAB domain	57645
0.0019194	221073_s_at	1.25	NOD1	Nucleotide-binding oligomerization domain containing 1	10392
0.0036223	202369_s_at	1.25	TRAM2	Translocation associated membrane protein 2	9697
0.0044991	212288_at	1.25	FNBP1	Formin binding protein 1	23048
0.0070469	221892_at	1.25	H6PD	Hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	9563
0.0081624	218248_at	1.25	FAM111A	Family with sequence similarity 111, member A	63901
0.0090315	203721_s_at	1.25	UTP18	UTP18, small subunit (SSU) processome component, homolog (yeast)	51096
0.0097056	203298_s_at	1.25	JARID2	Jumonji, AT rich interactive domain 2	3720
0.0013499	212899_at	1.24	CDK19	Cyclin-dependent kinase 19	23097
0.0028508	205588_s_at	1.24	FGFR1OP	FGFR1 oncogene partner	11116
0.0034608	208829_at	1.24	TAPBP	TAP binding protein (tapasin)	6892
0.0038561	217750_s_at	1.24	UBE2Z	Ubiquitin-conjugating enzyme E2Z	65264
0.0051484	202361_at	1.24	SEC24C	SEC24 family, member C (S. Cerevisiae)	9632
0.0083759	203127_s_at	1.24	SPTLC2	Serine palmitoyltransferase, long chain base subunit 2	9517
0.0085075	46323_at	1.24	CANT1	Calcium activated nucleotidase 1	124583
0.0098824	202510_s_at	1.24	TNFAIP2	Tumor necrosis factor, alpha-induced protein 2	7127
0.0011604	218979_at	1.23	RMI1	RMI1, recq mediated genome instability 1, homolog (S. Cerevisiae)	80010
0.0034124	218867_s_at	1.23	C12orf49	Chromosome 12 open reading frame 49	79794
0.0036638	202128_at	1.23	KIAA0317	Kiaa0317	9870

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0057978	202804_at	1.23	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	4363
0.0061632	219661_at	1.23	RANBP17	RAN binding protein 17	64901
0.009322	203567_s_at	1.23	TRIM38	Tripartite motif-containing 38	10475
0.0096289	213238_at	1.23	ATP10D	Atpase, class V, type 10D	57205
0.0097206	200999_s_at	1.23	CKAP4	Cytoskeleton-associated protein 4	10970
0.0009744	222231_s_at	1.22	LRRCS9	Leucine rich repeat containing 59	55379
0.0023267	202642_s_at	1.22	TRRAP	Transformation/transcription domain-associated protein	8295
0.0026747	203284_s_at	1.22	HS2ST1	Heparan sulfate 2-O-sulfotransferase 1	9653
0.0031642	219384_s_at	1.22	ADAT1	Adenosine deaminase, trna-specific 1	23536
0.0031689	207719_x_at	1.22	CEP170	Centrosomal protein 170kda	9859
0.0053298	204140_at	1.22	TPST1	Tyrosylproteinsulfotransferase 1	8460
0.0062534	220155_s_at	1.22	BRD9	Bromodomain containing 9	65980
0.0094602	209450_at	1.22	OSGEP	O-sialoglycoproteinendopeptidase	55644
0.0051938	200619_at	1.21	SF3B2	Splicing factor 3b, subunit 2, 145kda	10992
0.0060917	203037_s_at	1.21	MTSS1	Metastasis suppressor 1	9788
0.0073379	201410_at	1.21	PLEKH2	Pleckstrin homology domain containing, family B (evectins) member 2	55041
0.0002655	203327_at	1.2	IDE	Insulin-degrading enzyme	3416
0.0030417	201376_s_at	1.2	HNRNPF	Heterogeneous nuclear ribonucleoprotein F	3185
0.0035564	203376_at	1.2	CDC40	Cell division cycle 40 homolog (S. Cerevisiae)	51362
0.0046203	205745_x_at	1.2	ADAM17	ADAM metallopeptidase domain 17	6868
0.0085534	218140_x_at	1.2	SRPRB	Signal recognition particle receptor, B subunit	58477
0.00995	209953_s_at	1.2	CDC37	Cell division cycle 37 homolog (S. Cerevisiae)	11140
0.001635	219002_at	1.19	FASTKD1	FAST kinase domains 1	79675
0.0020407	208959_s_at	1.19	ERP44	Endoplasmic reticulum protein 44	23071
0.0025952	209770_at	1.19	BTN3A1	Butyrophilin, subfamily 3, member A1	11119
0.0042323	201664_at	1.19	SMC4	Structural maintenance of chromosomes 4	10051
0.0042902	211724_x_at	1.19	MIOS	Missing oocyte, meiosis regulator, homolog (Drosophila)	54468
0.0094351	220577_at	1.19	GVIN1	Gtpase, very large interferon inducible 1	387751
0.0006787	202713_s_at	1.18	KIAA0391	Kiaa0391	9692
0.0009462	208644_at	1.18	PARP1	Poly (ADP-ribose) polymerase 1	142
0.0015119	202093_s_at	1.18	PAF1	Paf1, RNA polymerase II associated factor, homolog (S. Cerevisiae)	54623
0.0018603	217928_s_at	1.18	PPP6R3	Protein phosphatase 6, regulatory subunit 3	55291
0.0036302	213101_s_at	1.18	ACTR3	ARP3 actin-related protein 3 homolog (yeast)	10096
0.0078717	213449_at	1.18	POP1	Processing of precursor 1, ribonuclease P/MRP subunit (S. Cerevisiae)	10940
0.0080747	212269_s_at	1.18	MCM3AP	Minichromosome maintenance complex component 3 associated protein	8888
0.0047895	201331_s_at	1.17	STAT6	Signal transducer and activator of transcription 6, interleukin-4 induced	6778
0.0048764	202406_s_at	1.17	TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1	7073
0.0025061	203612_at	1.16	BYSL	Bystin-like	705



<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.006099	213115_at	1.16	ATG4A	ATG4 autophagy related 4 homolog A (S. Cerevisiae)	115201
0.0091732	204202_at	1.16	IQCE	IQ motif containing E	23288
0.0093119	218652_s_at	1.16	PIGG	Phosphatidylinositol glycan anchor biosynthesis, class G	54872
0.0020306	219394_at	1.15	PGS1	Phosphatidylglycerophosphate synthase 1	9489
0.0044091	202852_s_at	1.15	AAGAB	Alpha- and gamma-adaptin binding protein	79719
0.0045658	201438_at	1.15	COL6A3	Collagen, type VI, alpha 3	1293
0.0058449	221741_s_at	1.15	YTHDF1	YTH domain family, member 1	54915
0.0095827	203278_s_at	1.15	PHF21A	PHD finger protein 21A	51317
0.0049341	200599_s_at	1.14	HSP90B1	Heat shock protein 90kda beta (Grp94), member 1	7184
0.0015971	208801_at	1.13	SRP72	Signal recognition particle 72kda	6731
0.0040154	218909_at	1.13	RPS6KC1	Ribosomal protein S6 kinase, 52kda, polypeptide 1	26750
0.0063999	202040_s_at	1.13	KDM5A	Lysine (K)-specific demethylase 5A	5927
0.0007296	200614_at	1.12	CLTC	Clathrin, heavy chain (Hc)	1213
0.0021547	201263_at	1.12	TARS	Threonyl-tRNA synthetase	6897
0.0077629	208642_s_at	1.12	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	7520
0.0096862	204835_at	1.12	POLA1	Polymerase (DNA directed), alpha 1, catalytic subunit	5422
0.0057401	217727_x_at	1.1	VPS35	Vacuolar protein sorting 35 homolog (S. Cerevisiae)	55737
0.0059825	200860_s_at	1.1	CNOT1	CCR4-NOT transcription complex, subunit 1	23019
0.0065199	201371_s_at	1.09	CUL3	Cullin 3	8452
0.002026	217963_s_at	0.91	NGFRAP1	Nerve growth factor receptor (TNFRSF16) associated protein 1	27018
0.0059871	212144_at	0.9	SUN2	Sad1 and UNC84 domain containing 2	25777
0.0079631	217731_s_at	0.9	ITM2B	Integral membrane protein 2B	9445
0.0031017	209001_s_at	0.89	ANAPC13	Anaphase promoting complex subunit 13	25847
0.0053812	200718_s_at	0.89	SKP1	S-phase kinase-associated protein 1	6500
0.0067769	200032_s_at	0.89	RPL9	Ribosomal protein L9	6133
0.0012161	206158_s_at	0.88	CNBP	CCHC-type zinc finger, nucleic acid binding protein	7555
0.002223	210774_s_at	0.88	NCOA4	Nuclear receptor coactivator 4	8031
0.0087019	200056_s_at	0.88	C1D	C1D nuclear receptor corepressor	10438
0.0009782	209075_s_at	0.87	ISCU	Iron-sulfur cluster scaffold homolog (E. Coli)	23479
0.0045783	221613_s_at	0.87	ZFAND6	Zinc finger, AN1-type domain 6	54469
0.0047506	205236_x_at	0.87	SOD3	Superoxide dismutase 3, extracellular	6649
0.007394	213218_at	0.87	ZNF187	Zinc finger protein 187	7741
0.008164	204386_s_at	0.87	MRP63	Mitochondrial ribosomal protein 63	78988
0.008596	203261_at	0.87	DCTN6	Dynactin 6	10671
0.0022409	201836_s_at	0.86	SUPT7L	Suppressor of Ty 7 (S. Cerevisiae)-like	9913
0.0036292	209004_s_at	0.86	FBXL5	F-box and leucine-rich repeat protein 5	26234
0.0071054	213282_at	0.86	APOOL	Apolipoprotein O-like	139322
0.0091986	212099_at	0.86	RHOB	Ras homolog gene family, member B	388
0.0092002	217761_at	0.86	ADI1	Acireductonedioxygenase 1	55256

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0010155	204311_at	0.85	ATP1B2	Atpase, Na+/K+ transporting, beta 2 polypeptide	482
0.0020134	202299_s_at	0.85	HBXIP	Hepatitis B virus x interacting protein	10542
0.004156	202419_at	0.85	KDSR	3-ketodihydrosphingosine reductase	2531
0.0042233	32091_at	0.85	SLC25A44	Solute carrier family 25, member 44	9673
0.004314	202858_at	0.85	U2AF1	U2 small nuclear RNA auxiliary factor 1	7307
0.0051382	216321_s_at	0.85	NR3C1	Nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	2908
0.0063394	218407_x_at	0.85	NENF	Neuron derived neurotrophic factor	29937
0.0066193	212097_at	0.85	CAV1	Caveolin 1, caveolae protein, 22kda	857
0.0086291	202334_s_at	0.85	UBE2B	Ubiquitin-conjugating enzyme E2B (RAD6 homolog)	7320
0.0095388	217845_x_at	0.85	HIGD1A	HIG1 hypoxia inducible domain family, member 1A	25994
0.0015474	221775_x_at	0.84	RPL22	Ribosomal protein L22	6146
0.0030282	215096_s_at	0.84	ESD	Esterase D	2098
0.0030374	204145_at	0.84	FRG1	FSHD region gene 1	2483
0.0031079	206217_at	0.84	EDA	Ectodysplasin A	1896
0.0059988	219030_at	0.84	TPRKB	TP53RK binding protein	51002
0.0066993	219041_s_at	0.84	REPIN1	Replication initiator 1	29803
0.0071933	204001_at	0.84	SNAPC3	Small nuclear RNA activating complex, polypeptide 3, 50kda	6619
0.0073871	220487_at	0.84	SNTG2	Syntrophin, gamma 2	54221
0.0077041	201738_at	0.84	EIF1B	Eukaryotic translation initiation factor 1B	10289
0.0089274	218289_s_at	0.84	UBA5	Ubiquitin-like modifier activating enzyme 5	79876
0.009168	209358_at	0.84	TAF11	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kda	6882
0.0008667	203053_at	0.83	BCAS2	Breast carcinoma amplified sequence 2	10286
0.0013977	218204_s_at	0.83	FYCO1	FYVE and coiled-coil domain containing 1	79443
0.0016697	202824_s_at	0.83	TCEB1	Transcription elongation factor B (SIII), polypeptide 1 (15kda, elongin C)	6921
0.002349	201317_s_at	0.83	PSMA2	Proteasome (prosome, macropain) subunit, alpha type, 2	5683
0.0032197	218226_s_at	0.83	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kda	4710
0.0063785	218050_at	0.83	UFM1	Ubiquitin-fold modifier 1	51569
0.0083571	218946_at	0.83	NFU1	NFU1 iron-sulfur cluster scaffold homolog (S. Cerevisiae)	27247
0.00113	213835_x_at	0.82	GTPBP3	GTP binding protein 3 (mitochondrial)	84705
0.0014035	201134_x_at	0.82	COX7C	Cytochrome c oxidase subunit viic	1350
0.0015922	200091_s_at	0.82	RPS25	Ribosomal protein S25	6230
0.0022484	214263_x_at	0.82	POLR2C	Polymerase (RNA) II (DNA directed) polypeptide C, 33kda	5432
0.0022735	202069_s_at	0.82	IDH3A	Isocitrate dehydrogenase 3 (NAD+) alpha	3419
0.0041157	219446_at	0.82	RIC8B	Resistance to inhibitors of cholinesterase 8 homolog B (C. Elegans)	55188
0.0055785	217773_s_at	0.82	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kda	4697
0.0056091	209120_at	0.82	NR2F2	Nuclear receptor subfamily 2, group F, member 2	7026
0.0059883	218101_s_at	0.82	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kda	4718

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0075599	212440_at	0.82	SNRNP27	Small nuclear ribonucleoprotein 27kda (U4/U6.U5)	11017
0.0002643	205849_s_at	0.81	UQCRB	Ubiquinol-cytochrome c reductase binding protein	7381
0.0018362	219006_at	0.81	NDUFAF4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4	29078
0.0025763	213206_at	0.81	GOSR2	Golgi SNAP receptor complex member 2	9570
0.0042473	203478_at	0.81	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kda	4717
0.0046251	203484_at	0.81	SEC61G	Sec61 gamma subunit	23480
0.0052688	221570_s_at	0.81	METTL5	Methyltransferase like 5	29081
0.0093059	207547_s_at	0.81	FAM107A	Family with sequence similarity 107, member A	11170
0.0003553	218085_at	0.8	CHMP5	Chromatin modifying protein 5	51510
0.0009734	207550_at	0.8	MPL	Myeloproliferative leukemia virus oncogene	4352
0.0015173	217408_at	0.8	MRPS18B	Mitochondrial ribosomal protein S18B	28973
0.0017552	202325_s_at	0.8	ATP5J	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6	522
0.0053731	209550_at	0.8	NDN	Necdin homolog (mouse)	4692
0.0070129	210512_s_at	0.8	VEGFA	Vascular endothelial growth factor A	7422
0.0010081	202724_s_at	0.79	FOXO1	Forkhead box O1	2308
0.0016173	203781_at	0.79	MRPL33	Mitochondrial ribosomal protein L33	9553
0.0018793	218334_at	0.79	THOC7	THO complex 7 homolog (Drosophila)	80145
0.003681	201897_s_at	0.79	CKS1B	CDC28 protein kinase regulatory subunit 1B	1163
0.0067692	221596_s_at	0.79	C7orf64	Chromosome 7 open reading frame 64	84060
0.007007	206837_at	0.79	ALX1	ALX homeobox 1	8092
0.009298	200595_s_at	0.79	EIF3A	Eukaryotic translation initiation factor 3, subunit A	8661
0.0004607	218643_s_at	0.78	CRIP1	Cysteine-rich PDZ-binding protein	9419
0.0007611	209551_at	0.78	YIPF4	Yip1 domain family, member 4	84272
0.0010045	211747_s_at	0.78	LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. Cerevisiae)	23658
0.0031695	221689_s_at	0.78	PIGP	Phosphatidylinositol glycan anchor biosynthesis, class P	51227
0.0038684	206554_x_at	0.78	SETMAR	SET domain and mariner transposase fusion gene	6419
0.0066724	208158_s_at	0.78	OSBPL1A	Oxysterol binding protein-like 1A	114876
0.0071751	206995_x_at	0.78	SCARF1	Scavenger receptor class F, member 1	8578
0.0075174	204442_x_at	0.78	LTBP4	Latent transforming growth factor beta binding protein 4	8425
0.0089959	215088_s_at	0.78	SDHC	Succinate dehydrogenase complex, subunit C, integral membrane protein, 15kda	6391
0.001689	209303_at	0.77	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kda (NADH-coenzyme Q reductase)	4724
0.0053028	204363_at	0.77	F3	Coagulation factor III (thromboplastin, tissue factor)	2152
0.0080026	203169_at	0.77	RGP1	RGP1 retrograde golgi transport homolog (S. Cerevisiae)	9827
0.0081238	205231_s_at	0.77	EPM2A	Epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	7957
0.0019111	219291_at	0.76	DTWD1	DTW domain containing 1	56986
0.0085842	212719_at	0.76	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1	23239
0.0028527	213221_s_at	0.75	SIK2	Salt-inducible kinase 2	23235

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0037233	212914_at	0.75	CBX7	Chromobox homolog 7	23492
0.0001346	203735_x_at	0.74	PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	8496
0.0018997	201829_at	0.74	NET1	Neuroepithelial cell transforming 1	10276
0.001246	207738_s_at	0.73	NCKAP1	NCK-associated protein 1	10787
0.0049882	213844_at	0.73	HOXA5	Homeobox A5	3202
0.0086085	219371_s_at	0.73	KLF2	Kruppel-like factor 2 (lung)	10365
0.0007168	205036_at	0.72	LSM6	LSM6 homolog, U6 small nuclear RNA associated (S. Cerevisiae)	11157
0.0003705	219979_s_at	0.71	C11orf73	Chromosome 11 open reading frame 73	51501
0.001831	206262_at	0.69	ADH1C	Alcohol dehydrogenase 1C (class I), gamma polypeptide	126
0.0019937	204075_s_at	0.69	KIAA0562	Kiaa0562	9731
0.0035308	205421_at	0.66	SLC22A3	Solute carrier family 22 (extraneuronal monoamine transporter), member 3	6581

**Table S2.** Genes differentially expressed between tumor-adjacent adipose and adipose from non-malignant breasts. Expression level differences were validated for those genes in bold.

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
7.30E-06	205819_at	6.33	MARCO	Macrophage receptor with collagenous structure	8685
1.00E-07	204787_at	5.72	VSIG4	V-set and immunoglobulin domain containing 4	11326
3.00E-07	202953_at	5.32	C1QB	Complement component 1, q subcomponent, B chain	713
1.60E-06	218232_at	4.77	C1QA	Complement component 1, q subcomponent, A chain	712
1.99E-05	217552_x_at	4.77	CR1	Complement component (3b/4b) receptor 1 (Knops blood group)	1378
< 1e-07	215049_x_at	4.71	CD163	CD163 molecule	9332
< 1e-07	204829_s_at	4.49	FOLR2	Folate receptor 2 (fetal)	2350
1.63E-05	201422_at	4.38	IFI30	Interferon, gamma-inducible protein 30	10437
0.0001088	219799_s_at	4.04	DHRS9	Dehydrogenase/reductase (SDR family) member 9	10170
2.80E-06	203665_at	3.94	HMOX1	Hemeoxygenase (decycling) 1	3162
7.00E-07	201743_at	3.82	CD14	CD14 molecule	929
7.00E-07	219607_s_at	3.77	MS4A4A	Membrane-spanning 4-domains, subfamily A, member 4	51338
1.70E-06	201785_at	3.76	RNASE1	Ribonuclease, rnase A family, 1 (pancreatic)	6035
5.00E-07	203473_at	3.75	SLCO2B1	Solute carrier organic anion transporter family, member 2B1	11309
2.90E-06	204122_at	3.65	TYROBP	TYRO protein tyrosine kinase binding protein	7305
8.00E-07	209906_at	3.59	C3AR1	Complement component 3a receptor 1	719
<b>0.0004022</b>	<b>34210_at</b>	<b>3.56</b>	<b>CD52</b>	<b>CD52 molecule</b>	<b>1043</b>
4.20E-06	214770_at	3.55	MSR1	Macrophage scavenger receptor 1	4481
9.50E-05	206682_at	3.54	CLEC10A	C-type lectin domain family 10, member A	10462
< 1e-07	207075_at	3.47	NLRP3	NLR family, pyrin domain containing 3	114548
2.00E-07	203760_s_at	3.47	SLA	Src-like-adaptor	6503
0.0030059	203936_s_at	3.43	MMP9	Matrix metalloproteinase 9 (gelatinase B, 92kda gelatinase, 92kda type IV collagenase)	4318
<b>0.0046384</b>	<b>219454_at</b>	<b>3.41</b>	<b>EGFL6</b>	<b>EGF-like-domain, multiple 6</b>	<b>25975</b>
8.90E-06	207277_at	3.4	CD209	CD209 molecule	30835
9.00E-07	203561_at	3.35	FCGR2A	Fc fragment of igg, low affinity iia, receptor (CD32)	2212
1.50E-06	201212_at	3.29	LGMN	Legumain	5641
<b>3.69E-05</b>	<b>215051_x_at</b>	<b>3.29</b>	<b>AIF1</b>	<b>Allograft inflammatory factor 1</b>	<b>199</b>
3.60E-06	200678_x_at	3.25	GRN	Granulin	2896
<b>0.0001015</b>	<b>202803_s_at</b>	<b>3.2</b>	<b>ITGB2</b>	<b>Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)</b>	<b>3689</b>
1.99E-05	221210_s_at	3.16	NPL	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)	80896
<b>0.0003872</b>	<b>32128_at</b>	<b>3.11</b>	<b>CCL18</b>	<b>Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)</b>	<b>6362</b>

P value	ProbeSet	Fold change	Symbol	Name	EntrezID
0.0002279	206214_at	3.07	PLA2G7	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	7941
2.00E-07	205488_at	3.05	GZMA	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	3001
1.23E-05	210889_s_at	3.03	FCGR2B	Fc fragment of igg, low affinity iib, receptor (CD32)	2213
3.30E-05	201721_s_at	3.03	LAPTM5	Lysosomal protein transmembrane 5	7805
<b>0.0033799</b>	<b>207621_s_at</b>	<b>3.03</b>	<b>PEMT</b>	<b>Phosphatidylethanolamine N-methyltransferase</b>	<b>10400</b>
1.37E-05	205098_at	3.01	CCR1	Chemokine (C-C motif) receptor 1	1230
4.00E-06	38487_at	2.97	STAB1	Stabilin 1	23166
7.20E-06	207540_s_at	2.94	SYK	Spleen tyrosine kinase	6850
5.40E-06	209734_at	2.87	NCKAP1L	NCK-associated protein 1-like	3071
2.00E-07	202957_at	2.86	HCLS1	Hematopoietic cell-specific Lyn substrate 1	3059
0.000911	204638_at	2.86	ACP5	Acid phosphatase 5, tartrate resistant	54
9.75E-05	219386_s_at	2.84	SLAMF8	SLAM family member 8	56833
2.59E-05	202902_s_at	2.82	CTSS	Cathepsin 5	1520
1.00E-06	204912_at	2.79	IL10RA	Interleukin 10 receptor, alpha	3587
7.50E-06	219358_s_at	2.78	ADAP2	Arfgap with dual PH domains 2	55803
5.39E-05	204158_s_at	2.78	TCIRG1	T-cell, immune regulator 1, atpase, H+ transporting, lysosomal V0 subunit A3	10312
1.00E-07	207571_x_at	2.77	C1orf38	Chromosome 1 open reading frame 38	9473
9.64E-05	204232_at	2.77	FCER1G	Fc fragment of ige, high affinity 1, receptor for; gamma polypeptide	2207
2.30E-05	205786_s_at	2.73	ITGAM	Integrin, alpha M (complement component 3 receptor 3 subunit)	3684
0.0056346	209875_s_at	2.73	SPP1	Secreted phosphoprotein 1	6696
8.10E-06	203416_at	2.69	CD53	CD53 molecule	963
0.0001717	203886_s_at	2.68	FBLN2	Fibulin 2	2199
0.0001383	209933_s_at	2.65	CD300A	CD300a molecule	11314
0.0005857	203915_at	2.64	CXCL9	Chemokine (C-X-C motif) ligand 9	4283
<b>0.0035533</b>	<b>201890_at</b>	<b>2.63</b>	<b>RRM2</b>	<b>Ribonucleotidoreductase M2</b>	<b>6241</b>
5.70E-06	203104_at	2.57	CSF1R	Colony stimulating factor 1 receptor	1436
1.30E-06	209685_s_at	2.56	PRKCB	Protein kinase C, beta	5579
1.70E-05	213418_at	2.53	HSPA6	Heat shock 70kda protein 6 (HSP70B')	3310
0.0001709	204588_s_at	2.53	SLC7A7	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	9056
0.0006259	219025_at	2.53	CD248	CD248 molecule, endosialin	57124
8.00E-07	206545_at	2.5	CD28	CD28 molecule	940
7.20E-06	203923_s_at	2.49	CYBB	Cytochrome b-245, beta polypeptide	1536
0.0002624	205349_at	2.48	GNA15	Guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	2769
1.02E-05	210644_s_at	2.47	LAIR1	Leukocyte-associated immunoglobulin-like receptor 1	3903

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
2.20E-06	44673_at	2.45	SIGLEC1	Sialic acid binding Ig-like lectin 1, sialoadhesin	6614
3.80E-06	206219_s_at	2.45	VAV1	Vav 1 guanine nucleotide exchange factor	7409
3.23E-05	203471_s_at	2.45	PLEK	Pleckstrin	5341
0.0005516	205419_at	2.43	GPR183	G protein-coupled receptor 183	1880
0.000567	206407_s_at	2.43	CCL13	Chemokine (C-C motif) ligand 13	6357
4.29E-05	209417_s_at	2.4	IFI35	Interferon-induced protein 35	3430
0.0003318	206666_at	2.4	GZMK	Granzyme K (granzyme 3; tryptase II)	3003
0.0016344	205653_at	2.4	CTSG	Cathepsin G	1511
0.0037695	205922_at	2.38	VNN2	Vanin 2	8875
0.0045292	212488_at	2.38	COL5A1	Collagen, type V, alpha 1	1289
0.0001493	209606_at	2.37	CYTIP	Cytohesin 1 interacting protein	9595
0.0001641	220088_at	2.36	C5AR1	Complement component 5a receptor 1	728
1.04E-05	202880_s_at	2.34	CYTH1	Cytohesin 1	9267
2.61E-05	204774_at	2.34	EVI2A	Ecotropic viral integration site 2A	2123
7.04E-05	219282_s_at	2.34	TRPV2	Transient receptor potential cation channel, subfamily V, member 2	51393
5.99E-05	219666_at	2.33	MS4A6A	Membrane-spanning 4-domains, subfamily A, member 6A	64231
6.50E-06	205988_at	2.32	CD84	CD84 molecule	8832
2.77E-05	206715_at	2.32	TFEC	Transcription factor EC	22797
0.0047596	221666_s_at	2.32	PYCARD	PYD and CARD domain containing	29108
1.89E-05	205128_x_at	2.31	PTGS1	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	5742
0.0011351	200736_s_at	2.31	GPX1	Glutathione peroxidase 1	2876
0.000164	206726_at	2.29	HPGDS	Hematopoietic prostaglandin D synthase	27306
0.0003482	211748_x_at	2.29	PTGDS	Prostaglandin D2 synthase 21kda (brain)	5730
0.0011044	204446_s_at	2.29	ALOX5	Arachidonate 5-lipoxygenase	240
7.24E-05	208146_s_at	2.28	CPVL	Carboxypeptidase, vitellogenic-like	54504
0.0001034	209949_at	2.28	NCF2	Neutrophil cytosolic factor 2	4688
4.96E-05	219952_s_at	2.27	MCOLN1	Mucolipin 1	57192
0.004423	203028_s_at	2.27	CYBA	Cytochrome b-245, alpha polypeptide	1535
0.0095467	200852_x_at	2.27	GNB2	Guanine nucleotide binding protein (G protein), beta polypeptide 2	2783
3.80E-06	217362_x_at	2.26	HLA-DRB6	Major histocompatibility complex, class II, DR beta 6 (pseudogene)	3128
0.0002933	208961_s_at	2.26	KLF6	Kruppel-like factor 6	1316
0.0075654	213553_x_at	2.26	APOC1	Apolipoprotein C-I	341
3.40E-05	205504_at	2.25	BTK	Brutonagammaglobulinemia tyrosine kinase	695
0.0012052	219059_s_at	2.25	LYVE1	Lymphatic vessel endothelial hyaluronan receptor 1	10894
0.0068727	213869_x_at	2.25	THY1	Thy-1 cell surface antigen	7070
3.80E-06	213160_at	2.23	DOCK2	Dedicator of cytokinesis 2	1794

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
8.10E-05	218831_s_at	2.23	FCGRT	Fc fragment of igg, receptor, transporter, alpha	2217
0.0086297	201953_at	2.23	CIB1	Calcium and integrin binding 1 (calmyrin)	10519
0.0044968	203535_at	2.22	S100A9	S100 calcium binding protein A9	6280
0.0004422	202180_s_at	2.21	MVP	Major vault protein	9961
0.0039992	204103_at	2.21	CCL4	Chemokine (C-C motif) ligand 4	6351
2.05E-05	56821_at	2.2	SLC38A7	Solute carrier family 38, member 7	55238
0.0005066	219344_at	2.18	SLC29A3	Solute carrier family 29 (nucleoside transporters), member 3	55315
1.90E-06	204057_at	2.16	IRF8	Interferon regulatory factor 8	3394
7.71E-05	208306_x_at	2.16	HLA-DRB4	Major histocompatibility complex, class II, DR beta 4	3126
0.0001294	204655_at	2.16	CCL5	Chemokine (C-C motif) ligand 5	6352
0.0001845	221269_s_at	2.16	SH3BGR3	SH3 domain binding glutamic acid-rich protein like 3	83442
0.0009411	201809_s_at	2.16	ENG	Endoglin	2022
0.0018647	206420_at	2.16	IGSF6	Immunoglobulin superfamily, member 6	10261
4.50E-06	203508_at	2.15	TNFRSF1B	Tumor necrosis factor receptor superfamily, member 1B	7133
2.19E-05	203052_at	2.15	C2	Complement component 2	717
0.000141	202910_s_at	2.15	CD97	CD97 molecule	976
0.0006601	213566_at	2.13	RNASE6	Ribonuclease, rnase A family, k6	6039
0.0004916	218384_at	2.12	CARHSP1	Calcium regulated heat stable protein 1, 24kda	23589
0.0009527	202947_s_at	2.11	GYPC	Glycophorin C (Gerbich blood group)	2995
0.0048472	204647_at	2.11	HOMER3	Homer homolog 3 (Drosophila)	9454
0.0002187	208894_at	2.1	HLA-DRA	Major histocompatibility complex, class II, DR alpha	3122
1.61E-05	212873_at	2.09	HMHA1	Histocompatibility (minor) HA-1	23526
0.0022541	213905_x_at	2.08	BGN	Biglycan	633
9.87E-05	207677_s_at	2.07	NCF4	Neutrophil cytosolic factor 4, 40kda	4689
0.0004485	218567_x_at	2.07	DPP3	Dipeptidyl-peptidase 3	10072
2.04E-05	205269_at	2.06	LCP2	Lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kda)	3937
0.0002118	201360_at	2.06	CST3	Cystatin C	1471
0.0002331	200837_at	2.06	BCAP31	B-cell receptor-associated protein 31	10134
0.0004962	200827_at	2.06	PLOD1	Procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	5351
0.0004422	220330_s_at	2.05	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	64092
0.000427	213125_at	2.04	OLFML2B	Olfactomedin-like 2B	25903
0.0007612	200634_at	2.04	PFN1	Profilin 1	5216
0.0027715	203305_at	2.04	F13A1	Coagulation factor XIII, A1 polypeptide	2162
0.0030644	201393_s_at	2.04	IGF2R	Insulin-like growth factor 2 receptor	3482
0.0065288	206100_at	2.04	CPM	Carboxypeptidase M	1368
0.0081883	202075_s_at	2.04	PLTP	Phospholipid transfer protein	5360
0.0026086	200710_at	2.03	ACADVL	Acyl-coa dehydrogenase, very long chain	37



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0.0091489	207509_s_at	2.03	LAIR2	Leukocyte-associated immunoglobulin-like receptor 2	3904
0.0001886	201954_at	2.02	ARPC1B	Actin related protein 2/3 complex, subunit 1B, 41kda	10095
0.0010615	218272_at	2.02	TTC38	Tetratricopeptide repeat domain 38	55020
0.0013236	218231_at	2.02	NAGK	N-acetylglucosamine kinase	55577
0.0013558	221698_s_at	2.02	CLEC7A	C-type lectin domain family 7, member A	64581
0.0015027	218843_at	2.02	FNDC4	Fibronectin type III domain containing 4	64838
1.50E-06	201487_at	2.01	CTSC	Cathepsin C	1075
0.0003003	211395_x_at	2.01	FCGR2C	Fc fragment of igg, low affinity iic, receptor for (CD32) (gene/pseudogene)	9103
0.0001531	219183_s_at	2	CYTH4	Cytohesin 4	27128
3.27E-05	200661_at	1.99	CTSA	Cathepsin A	5476
7.49E-05	217925_s_at	1.99	C6orf106	Chromosome 6 open reading frame 106	64771
0.0002822	210075_at	1.99	MARCH2	Membrane-associated ring finger (C3HC4) 2	51257
0.0032943	205119_s_at	1.98	FPR1	Formyl peptide receptor 1	2357
0.000114	201818_at	1.97	LPCAT1	Lysophosphatidylcholineacyltransferase 1	79888
0.0002264	214574_x_at	1.97	LST1	Leukocyte specific transcript 1	7940
3.78E-05	206278_at	1.96	PTAFR	Platelet-activating factor receptor	5724
0.0006106	219452_at	1.96	DPEP2	Dipeptidase 2	64174
0.0028791	203234_at	1.96	UPP1	Uridinephosphorylase 1	7378
0.0001616	210176_at	1.95	TLR1	Toll-like receptor 1	7096
0.0008187	34206_at	1.95	ARAP1	Arfgap with rhogap domain, ankyrin repeat and PH domain 1	116985
0.0014946	202391_at	1.95	BASP1	Brain abundant, membrane attached signal protein 1	10409
0.0001526	214617_at	1.94	PRF1	Perforin 1 (pore forming protein)	5551
0.0003238	211742_s_at	1.94	EVI2B	Ecotropic viral integration site 2B	2124
0.0006894	217118_s_at	1.94	C22orf9	Chromosome 22 open reading frame 9	23313
0.0009258	218130_at	1.94	C17orf62	Chromosome 17 open reading frame 62	79415
0.0047173	205792_at	1.94	WISP2	WNT1 inducible signaling pathway protein 2	8839
0.0013642	206134_at	1.93	ADAMDEC1	ADAM-like, decysin 1	27299
0.0046684	202975_s_at	1.93	RHOBTB3	Rho-related BTB domain containing 3	22836
0.0059497	205483_s_at	1.93	ISG15	ISG15 ubiquitin-like modifier	9636
0.006076	214297_at	1.93	CSPG4	Chondroitin sulfate proteoglycan 4	1464
0.0071393	202659_at	1.93	PSMB10	Proteasome (prosome, macropain) subunit, beta type, 10	5699
3.53E-05	204923_at	1.92	SASH3	SAM and SH3 domain containing 3	54440
0.0002767	219403_s_at	1.91	HPSE	Heparanase	10855
0.0035717	203507_at	1.91	CD68	CD68 molecule	968
6.41E-05	208625_s_at	1.9	EIF4G1	Eukaryotic translation initiation factor 4 gamma, 1	1981
0.0002126	202944_at	1.9	NAGA	N-acetylgalactosaminidase, alpha-	4668
0.0010586	204007_at	1.9	FCGR3B	Fc fragment of igg, low affinity iiib, receptor (CD16b)	2215

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.007631	201050_at	1.9	PLD3	Phospholipase D family, member 3	23646
7.23E-05	200839_s_at	1.89	CTSB	Cathepsin B	1508
0.0001333	208885_at	1.89	LCP1	Lymphocyte cytosolic protein 1 (L-plastin)	3936
0.001304	204220_at	1.89	GMFG	Glia maturation factor, gamma	9535
0.0041702	210029_at	1.89	IDO1	Indoleamine 2,3-dioxygenase 1	3620
7.11E-05	205685_at	1.88	CD86	CD86 molecule	942
0.0009744	213539_at	1.88	CD3D	CD3d molecule, delta (CD3-TCR complex)	915
4.76E-05	204663_at	1.87	ME3	Malic enzyme 3, NADP(+)-dependent, mitochondrial	10873
0.000498	210659_at	1.87	CMKLR1	Chemokine-like receptor 1	1240
0.0009058	210042_s_at	1.87	CTSZ	Cathepsin Z	1522
0.0032066	205012_s_at	1.87	HAGH	Hydroxyacylglutathione hydrolase	3029
4.62E-05	214054_at	1.86	DOK2	Docking protein 2, 56kda	9046
4.92E-05	202838_at	1.86	FUCA1	Fucosidase, alpha-L- 1, tissue	2517
6.73E-05	212588_at	1.86	PTPRC	Protein tyrosine phosphatase, receptor type, C	5788
0.0004774	213193_x_at	1.86	TRBC1	T cell receptor beta constant 1	28639
0.0056883	205859_at	1.86	LY86	Lymphocyte antigen 86	9450
0.0035222	200991_s_at	1.85	SNX17	Sorting nexin 17	9784
0.0070649	218039_at	1.85	NUSAP1	Nucleolar and spindle associated protein 1	51203
0.0097162	201792_at	1.85	AEBP1	AE binding protein 1	165
9.34E-05	204527_at	1.84	MYO5A	Myosin VA (heavy chain 12, myoxin)	4644
0.0004813	208714_at	1.84	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kda	4723
0.0006116	206950_at	1.84	SCN9A	Sodium channel, voltage-gated, type IX, alpha subunit	6335
0.001354	205831_at	1.84	CD2	CD2 molecule	914
0.001366	219690_at	1.84	TMEM149	Transmembrane protein 149	79713
0.0002504	203741_s_at	1.83	ADCY7	Adenylatecyclase 7	113
0.0004006	204043_at	1.83	TCN2	Transcobalamin II	6948
0.0055901	160020_at	1.83	MMP14	Matrix metalloproteinase 14 (membrane-inserted)	4323
0.0002138	38671_at	1.82	PLXND1	Plexin D1	23129
0.0006014	205844_at	1.82	VNN1	Vanin 1	8876
0.001284	201040_at	1.82	GNAI2	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	2771
0.0037184	219656_at	1.82	PCDH12	Protocadherin 12	51294
0.0057317	217767_at	1.82	C3	Complement component 3	718
0.0002367	217808_s_at	1.81	MAPKAP1	Mitogen-activated protein kinase associated protein 1	79109
6.55E-05	208018_s_at	1.8	HCK	Hemopoietic cell kinase	3055
0.0005111	218473_s_at	1.8	GLT25D1	Glycosyltransferase 25 domain containing 1	79709
0.0006455	208322_s_at	1.8	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	6482
0.0009171	204959_at	1.8	MNDA	Myeloid cell nuclear differentiation antigen	4332

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0.001546	212041_at	1.8	ATP6V0D1	Atpase, H+ transporting, lysosomal 38kda, V0 subunit d1	9114
0.0019644	206991_s_at	1.8	CCR5	Chemokine (C-C motif) receptor 5	1234
0.0067198	209916_at	1.8	DHTKD1	Dehydrogenase E1 and transketolase domain containing 1	55526
0.0079981	218404_at	1.8	SNX10	Sorting nexin 10	29887
5.83E-05	209380_s_at	1.79	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	10057
8.88E-05	205639_at	1.79	AOAH	Acyloxyacyl hydrolase (neutrophil)	313
0.0002792	220005_at	1.79	P2RY13	Purinergic receptor P2Y, G-protein coupled, 13	53829
0.002107	203031_s_at	1.79	UROS	Uroporphyrinogen III synthase	7390
0.0035817	203920_at	1.79	NR1H3	Nuclear receptor subfamily 1, group H, member 3	10062
0.0048839	202009_at	1.79	TWF2	Twinfilin, actin-binding protein, homolog 2 (Drosophila)	11344
0.0096355	202800_at	1.79	SLC1A3	Solute carrier family 1 (glial high affinity glutamate transporter), member 3	6507
0.000347	219947_at	1.78	CLEC4A	C-type lectin domain family 4, member A	50856
0.0012977	213603_s_at	1.78	RAC2	Ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	5880
0.0026926	203148_s_at	1.78	TRIM14	Tripartite motif-containing 14	9830
0.0038428	203167_at	1.78	TIMP2	TIMP metallopeptidase inhibitor 2	7077
0.0006321	213888_s_at	1.77	TRAF3IP3	TRAF3 interacting protein 3	80342
0.0016971	209166_s_at	1.77	MAN2B1	Mannosidase, alpha, class 2B, member 1	4125
0.0075676	204563_at	1.77	SELL	Selectin L	6402
2.92E-05	206631_at	1.76	PTGER2	Prostaglandin E receptor 2 (subtype EP2), 53kda	5732
0.0002758	207651_at	1.76	GPR171	G protein-coupled receptor 171	29909
0.0040894	1294_at	1.76	UBA7	Ubiquitin-like modifier activating enzyme 7	7318
0.0008478	210589_s_at	1.75	GBAP1	Glucosidase, beta, acid pseudogene 1	2630
0.0015351	218376_s_at	1.75	MICAL1	Microtubule associated monooxygenase, calponin and LIM domain containing 1	64780
0.0017475	204924_at	1.75	TLR2	Toll-like receptor 2	7097
0.0024441	211576_s_at	1.75	SLC19A1	Solute carrier family 19 (folate transporter), member 1	6573
7.66E-05	204328_at	1.74	TMC6	Transmembrane channel-like 6	11322
0.000266	202974_at	1.74	MPP1	Membrane protein, palmitoylated 1, 55kda	4354
0.0005955	209619_at	1.74	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain	972
0.0024953	40420_at	1.74	STK10	Serine/threonine kinase 10	6793
0.0031448	202589_at	1.74	TYMS	Thymidylatesynthetase	7298
0.0061148	212884_x_at	1.74	APOE	Apolipoprotein E	348
0.0070728	210314_x_at	1.74	TNFSF13	Tumor necrosis factor (ligand) superfamily, member 13	8741
0.0085711	221601_s_at	1.74	FAIM3	Fas apoptotic inhibitory molecule 3	9214
0.008821	217984_at	1.74	RNASET2	Ribonuclease T2	8635
0.0008281	218153_at	1.73	CARS2	CysteinyI-trna synthetase 2, mitochondrial	79587

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
				(putative)	
0.0008441	214085_x_at	1.73	GLIPR1	GLI pathogenesis-related 1	11010
0.0009032	203932_at	1.73	HLA-DMB	Major histocompatibility complex, class II, DM beta	3109
0.001095	202767_at	1.73	ACP2	Acid phosphatase 2, lysosomal	53
0.0036341	200913_at	1.73	PPM1G	Protein phosphatase, Mg2+/Mn2+ dependent, 1G	5496
0.0057455	219628_at	1.73	ZMAT3	Zinc finger, matrin-type 3	64393
0.0060792	211047_x_at	1.73	AP2S1	Adaptor-related protein complex 2, sigma 1 subunit	1175
0.0084245	35626_at	1.73	SGSH	N-sulfoglucosamininesulfohydrolase	6448
5.29E-05	201576_s_at	1.72	GLB1	Galactosidase, beta 1	2720
0.0020519	221734_at	1.72	PRRC1	Proline-rich coiled-coil 1	133619
0.0068452	202201_at	1.72	BLVRB	Biliverdinreductase B (flavinreductase (NADPH))	645
0.0078814	212359_s_at	1.72	KIAA0913	Kiaa0913	23053
0.0002697	206687_s_at	1.71	PTPN6	Protein tyrosine phosphatase, non-receptor type 6	5777
0.0035257	202954_at	1.71	UBE2C	Ubiquitin-conjugating enzyme E2C	11065
0.0059633	208079_s_at	1.71	AURKA	Aurora kinase A	6790
0.00637	221019_s_at	1.7	COLEC12	Collectin sub-family member 12	81035
1.69E-05	205401_at	1.69	AGPS	Alkylglycerone phosphate synthase	8540
0.0009975	201584_s_at	1.69	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	10212
0.0012409	211833_s_at	1.69	BAX	BCL2-associated X protein	581
0.0012934	214687_x_at	1.69	ALDOA	Aldolase A, fructose-bisphosphate	226
4.52E-05	201609_x_at	1.68	ICMT	Isoprenylcysteine carboxyl methyltransferase	23463
0.0006174	200600_at	1.68	MSN	Moesin	4478
0.0017849	204982_at	1.68	GIT2	G protein-coupled receptor kinase interacting arfgap 2	9815
0.002366	207163_s_at	1.68	AKT1	V-akt murine thymoma viral oncogene homolog 1	207
0.0060062	207857_at	1.68	LILRA2	Leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	11027
0.0014717	211339_s_at	1.67	ITK	IL2-inducible T-cell kinase	3702
0.0013596	202869_at	1.66	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kda	4938
0.0014135	202860_at	1.66	DENND4B	DENN/MADD domain containing 4B	9909
0.007904	200923_at	1.66	LGALS3BP	Lectin, galactoside-binding, soluble, 3 binding protein	3959
8.36E-05	211974_x_at	1.65	RBPJ	Recombination signal binding protein for immunoglobulin kappa J region	3516
0.0009343	204502_at	1.65	SAMHD1	SAM domain and HD domain 1	25939
0.0014043	203332_s_at	1.65	INPP5D	Inositol polyphosphate-5-phosphatase, 145kda	3635
0.0024272	204458_at	1.65	PLA2G15	Phospholipase A2, group XV	23659
0.0041796	210762_s_at	1.65	DLC1	Deleted in liver cancer 1	10395
0.004481	212890_at	1.65	SLC38A10	Solute carrier family 38, member 10	124565
0.0002918	212975_at	1.64	DENND3	DENN/MADD domain containing 3	22898

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0016458	210140_at	1.64	CST7	Cystatin F (leukocystatin)	8530
0.0021696	200001_at	1.64	CAPNS1	Calpain, small subunit 1	826
0.0041401	212350_at	1.64	TBC1D1	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	23216
0.0044369	214467_at	1.64	GPR65	G protein-coupled receptor 65	8477
0.0063467	203717_at	1.64	DPP4	Dipeptidyl-peptidase 4	1803
0.0004576	210146_x_at	1.63	LILRB2	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	10288
0.0007975	207224_s_at	1.63	SIGLEC7	Sialic acid binding Ig-like lectin 7	27036
0.0008625	203755_at	1.63	BUB1B	Budding uninhibited by benzimidazoles 1 homolog beta (yeast)	701
0.0018493	210746_s_at	1.63	EPB42	Erythrocyte membrane protein band 4.2	2038
0.0047698	209042_s_at	1.63	UBE2G2	Ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	7327
0.0051035	202030_at	1.63	BCKDK	Branched chain ketoacid dehydrogenase kinase	10295
0.0097151	216264_s_at	1.63	LAMB2	Laminin, beta 2 (laminin S)	3913
6.44E-05	207992_s_at	1.62	AMPD3	Adenosine monophosphate deaminase 3	272
7.72E-05	33197_at	1.62	MYO7A	Myosin VIIA	4647
0.0002782	201278_at	1.62	DAB2	Disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	1601
0.0003789	201186_at	1.62	LRPAP1	Low density lipoprotein receptor-related protein associated protein 1	4043
0.0022893	216237_s_at	1.62	MCM5	Minichromosome maintenance complex component 5	4174
0.0041552	211474_s_at	1.62	SERPINB6	Serpin peptidase inhibitor, clade B (ovalbumin), member 6	5269
0.0044496	213045_at	1.62	MAST3	Microtubule associated serine/threonine kinase 3	23031
0.0050931	217838_s_at	1.62	EVL	Enah/Vasp-like	51466
0.0084076	213733_at	1.62	MYO1F	Myosin IF	4542
0.0011107	200616_s_at	1.61	MLEC	Malectin	9761
0.0028439	203262_s_at	1.61	FAM50A	Family with sequence similarity 50, member A	9130
0.003289	207809_s_at	1.61	ATP6AP1	Atpase, H+ transporting, lysosomal accessory protein 1	537
0.0045052	204319_s_at	1.61	RGS10	Regulator of G-protein signaling 10	6001
0.0051582	202207_at	1.61	ARL4C	ADP-ribosylation factor-like 4C	10123
0.0050543	218291_at	1.6	ROBLD3	Roadblock domain containing 3	28956
0.005689	204825_at	1.6	MELK	Maternal embryonic leucine zipper kinase	9833
0.0070369	215075_s_at	1.6	GRB2	Growth factor receptor-bound protein 2	2885
0.0009785	200720_s_at	1.59	ACTR1A	ARP1 actin-related protein 1 homolog A, cetractin alpha (yeast)	10121
0.0025211	201126_s_at	1.59	MGAT1	Mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	4245
0.0057071	204958_at	1.59	PLK3	Polo-like kinase 3	1263
0.0097697	208308_s_at	1.59	GPI	Glucose-6-phosphate isomerase	2821

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0015209	210164_at	1.58	GZMB	Granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	3002
0.0018803	212663_at	1.58	FKBP15	FK506 binding protein 15, 133kda	23307
0.001934	221756_at	1.58	PIK3IP1	Phosphoinositide-3-kinase interacting protein 1	113791
0.0022655	219862_s_at	1.58	NARF	Nuclear prelamin A recognition factor	26502
0.0028449	202897_at	1.58	SIRPA	Signal-regulatory protein alpha	140885
0.0039984	219020_at	1.58	HS1BP3	HCLS1 binding protein 3	64342
0.0048098	200982_s_at	1.58	ANXA6	Annexin A6	309
0.0048242	39817_s_at	1.58	C6orf108	Chromosome 6 open reading frame 108	10591
0.0077302	211714_x_at	1.58	TUBB	Tubulin, beta	203068
0.0080273	208918_s_at	1.58	NADK	NAD kinase	65220
0.0006195	218257_s_at	1.57	UGGT1	UDP-glucose glycoprotein glucosyltransferase 1	56886
0.0008328	208829_at	1.57	TAPBP	TAP binding protein (tapasin)	6892
0.0012579	220007_at	1.57	METTL8	Methyltransferase like 8	79828
0.0016461	204567_s_at	1.57	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	9619
0.0033089	218072_at	1.57	COMMD9	COMM domain containing 9	29099
0.003407	220155_s_at	1.57	BRD9	Bromodomain containing 9	65980
0.0053727	207565_s_at	1.57	MR1	Major histocompatibility complex, class I-related	3140
0.0084286	201292_at	1.57	TOP2A	Topoisomerase (DNA) II alpha 170kda	7153
0.0003661	207072_at	1.56	IL18RAP	Interleukin 18 receptor accessory protein	8807
0.0007711	204061_at	1.56	PRKX	Protein kinase, X-linked	5613
0.0008032	201647_s_at	1.56	SCARB2	Scavenger receptor class B, member 2	950
0.0014832	209420_s_at	1.56	SMPD1	Sphingomyelinphosphodiesterase 1, acid lysosomal	6609
0.0017169	201252_at	1.56	PSMC4	Proteasome (prosome, macropain) 26S subunit, atpase, 4	5704
0.004764	205721_at	1.56	GFRA2	GDNF family receptor alpha 2	2675
0.0053109	209345_s_at	1.56	PI4K2A	Phosphatidylinositol 4-kinase type 2 alpha	55361
0.0088935	202154_x_at	1.56	TUBB3	Tubulin, beta 3	10381
0.0008074	206206_at	1.55	CD180	CD180 molecule	4064
0.0023078	204135_at	1.55	FILIP1L	Filamin A interacting protein 1-like	11259
0.0024366	203185_at	1.55	RASSF2	Ras association (ralgds/AF-6) domain family member 2	9770
0.0026621	206335_at	1.55	GALNS	Galactosamine (N-acetyl)-6-sulfate sulfatase	2588
0.0028571	200905_x_at	1.55	HLA-E	Major histocompatibility complex, class I, E	3133
0.0035179	202397_at	1.55	NUTF2	Nuclear transport factor 2	10204
0.0073776	204114_at	1.55	NID2	Nidogen 2 (osteonidogen)	22795
0.00767	40665_at	1.55	FMO3	Flavin containing monooxygenase 3	2328
3.81E-05	219033_at	1.54	PARP8	Poly (ADP-ribose) polymerase family, member 8	79668
0.0004543	217764_s_at	1.54	RAB31	RAB31, member RAS oncogene family	11031
0.0007721	205105_at	1.54	MAN2A1	Mannosidase, alpha, class 2A, member 1	4124

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0.0007742	221653_x_at	1.54	APOL2	Apolipoprotein L, 2	23780
0.0020266	204137_at	1.54	GPR137B	G protein-coupled receptor 137B	7107
0.0031691	202625_at	1.54	LYN	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog	4067
0.0042926	219696_at	1.54	DENND1B	DENN/MADD domain containing 1B	163486
0.007025	37966_at	1.54	PARVB	Parvin, beta	29780
7.85E-05	206060_s_at	1.53	PTPN22	Protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	26191
0.0008536	202087_s_at	1.53	CTSL1	Cathepsin L1	1514
0.0037675	221561_at	1.53	SOAT1	Sterol O-acyltransferase 1	6646
0.0038042	209980_s_at	1.53	SHMT1	Serine hydroxymethyltransferase 1 (soluble)	6470
0.0043401	203514_at	1.53	MAP3K3	Mitogen-activated protein kinase kinase kinase 3	4215
0.0003892	206171_at	1.52	ADORA3	Adenosine A3 receptor	140
0.0027588	210609_s_at	1.52	TP53I3	Tumor protein p53 inducible protein 3	9540
0.0043028	202041_s_at	1.52	FIBP	Fibroblast growth factor (acidic) intracellular binding protein	9158
0.0058734	217817_at	1.52	ARPC4	Actin related protein 2/3 complex, subunit 4, 20kda	10093
0.0087853	211964_at	1.52	COL4A2	Collagen, type IV, alpha 2	1284
0.009711	205403_at	1.52	IL1R2	Interleukin 1 receptor, type II	7850
3.53E-05	212418_at	1.51	ELF1	E74-like factor 1 (ets domain transcription factor)	1997
0.0005196	203320_at	1.51	SH2B3	SH2B adaptor protein 3	10019
0.0009609	218856_at	1.51	TNFRSF21	Tumor necrosis factor receptor superfamily, member 21	27242
0.0016222	202155_s_at	1.51	NUP214	Nucleoporin 214kda	8021
0.0042344	219032_x_at	1.51	OPN3	Opsin 3	23596
0.0062309	217751_at	1.51	GSTK1	Glutathione S-transferase kappa 1	373156
0.0067569	202948_at	1.51	IL1R1	Interleukin 1 receptor, type I	3554
0.0070047	219256_s_at	1.51	SH3TC1	SH3 domain and tetratricopeptide repeats 1	54436
5.52E-05	219763_at	1.5	DENND1A	DENN/MADD domain containing 1A	57706
0.0004536	204362_at	1.5	SKAP2	Src kinase associated phosphoprotein 2	8935
0.0026202	218009_s_at	1.5	PRC1	Protein regulator of cytokinesis 1	9055
0.0035718	202185_at	1.5	PLOD3	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	8985
0.0063867	209953_s_at	1.5	CDC37	Cell division cycle 37 homolog (S. Cerevisiae)	11140
0.0077429	200919_at	1.5	PHC2	Polyhomeotic homolog 2 (Drosophila)	1912
4.08E-05	205687_at	1.49	UBFD1	Ubiquitin family domain containing 1	56061
0.0005833	209232_s_at	1.49	DCTN5	Dynactin 5 (p25)	84516
0.001342	209575_at	1.49	IL10RB	Interleukin 10 receptor, beta	3588
0.0020352	201826_s_at	1.49	SCCPDH	Saccharopine dehydrogenase (putative)	51097
0.0047998	208659_at	1.49	CLIC1	Chloride intracellular channel 1	1192
0.0060884	205024_s_at	1.49	RAD51	RAD51 homolog (reca homolog, E. Coli) (S. Cerevisiae)	5888
0.0072847	219402_s_at	1.49	DERL1	Der1-like domain family, member 1	79139

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0.000205	203912_s_at	1.48	DNASE1L1	Deoxyribonuclease I-like 1	1774
0.0002073	217865_at	1.48	RNF130	Ring finger protein 130	55819
0.001109	213475_s_at	1.48	ITGAL	Integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	3683
0.0013865	218474_s_at	1.48	KCTD5	Potassium channel tetramerisation domain containing 5	54442
0.001597	203530_s_at	1.48	STX4	Syntaxin 4	6810
0.0023796	205101_at	1.48	CIITA	Class II, major histocompatibility complex, transactivator	4261
0.0029227	206540_at	1.48	GLB1L	Galactosidase, beta 1-like	79411
0.0040458	204640_s_at	1.48	SPOP	Speckle-type POZ protein	8405
0.0093692	203475_at	1.48	CYP19A1	Cytochrome P450, family 19, subfamily A, polypeptide 1	1588
0.0019385	204861_s_at	1.47	NAIP	NLR family, apoptosis inhibitory protein	4671
0.0035287	207734_at	1.47	LAX1	Lymphocyte transmembrane adaptor 1	54900
0.003988	202106_at	1.47	GOLGA3	Golgin A3	2802
0.0043382	212791_at	1.47	C1orf216	Chromosome 1 open reading frame 216	127703
0.005006	219394_at	1.47	PGS1	Phosphatidylglycerophosphate synthase 1	9489
0.0051754	212681_at	1.47	EPB41L3	Erythrocyte membrane protein band 4.1-like 3	23136
0.0060446	200788_s_at	1.47	PEA15	Phosphoprotein enriched in astrocytes 15	8682
0.006624	208630_at	1.47	HADHA	Hydroxyacyl-coa dehydrogenase/3-ketoacyl-coa thiolase/enoyl-coa hydratase (trifunctional protein), alpha subunit	3030
0.0076025	203118_at	1.47	PCSK7	Proprotein convertase subtilisin/kexin type 7	9159
0.0089952	215764_x_at	1.47	AP2A2	Adaptor-related protein complex 2, alpha 2 subunit	161
0.0093478	205423_at	1.47	AP1B1	Adaptor-related protein complex 1, beta 1 subunit	162
0.0010918	209627_s_at	1.46	OSBPL3	Oxysterol binding protein-like 3	26031
0.0019384	211794_at	1.46	FYB	FYN binding protein	2533
0.004073	202664_at	1.46	WIPF1	WAS/WASL interacting protein family, member 1	7456
0.0043045	201991_s_at	1.46	KIF5B	Kinesin family member 5B	3799
4.49E-05	218109_s_at	1.45	MFSD1	Major facilitator superfamily domain containing 1	64747
0.0001465	210114_at	1.45	INVS	Inversin	27130
0.0015073	201000_at	1.45	AARS	Alanyl-trna synthetase	16
0.0016172	217754_at	1.45	DDX56	DEAD (Asp-Glu-Ala-Asp) box polypeptide 56	54606
0.0017242	205821_at	1.45	KLRK1	Killer cell lectin-like receptor subfamily K, member 1	22914
0.0020522	219460_s_at	1.45	TMEM127	Transmembrane protein 127	55654
0.0027139	219316_s_at	1.45	FLVCR2	Feline leukemia virus subgroup C cellular receptor family, member 2	55640
0.0039929	201620_at	1.45	MBTPS1	Membrane-bound transcription factor peptidase, site 1	8720
0.0053972	218282_at	1.45	EDEM2	ER degradation enhancer, mannosidase alpha-like 2	55741
0.0003835	205046_at	1.44	CENPE	Centromere protein E, 312kda	1062



<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.000389	204891_s_at	1.44	LCK	Lymphocyte-specific protein tyrosine kinase	3932
0.0009511	219366_at	1.44	AVEN	Apoptosis, caspase activation inhibitor	57099
0.0032752	209828_s_at	1.44	IL16	Interleukin 16 (lymphocyte chemoattractant factor)	3603
0.0065715	222218_s_at	1.44	PILRA	Paired immunoglobulin-like type 2 receptor alpha	29992
0.0098421	204204_at	1.44	SLC31A2	Solute carrier family 31 (copper transporters), member 2	1318
0.0004501	217789_at	1.43	SNX6	Sorting nexin 6	58533
0.001039	212638_s_at	1.43	WWP1	WW domain containing E3 ubiquitin protein ligase 1	11059
0.0011595	201125_s_at	1.43	ITGB5	Integrin, beta 5	3693
0.0027317	202483_s_at	1.43	RANBP1	RAN binding protein 1	5902
0.0029825	207655_s_at	1.43	BLNK	B-cell linker	29760
0.0033003	201587_s_at	1.43	IRAK1	Interleukin-1 receptor-associated kinase 1	3654
0.0083799	219001_s_at	1.43	DCAF10	DDB1 and CUL4 associated factor 10	79269
0.0085611	211373_s_at	1.43	PSEN2	Presenilin 2 (Alzheimer disease 4)	5664
0.0007372	207233_s_at	1.42	MITF	Microphthalmia-associated transcription factor	4286
0.0017736	204174_at	1.42	ALOX5AP	Arachidonate 5-lipoxygenase-activating protein	241
0.0035748	212268_at	1.42	SERPINB1	Serpin peptidase inhibitor, clade B (ovalbumin), member 1	1992
0.0083627	203206_at	1.42	FAM53B	Family with sequence similarity 53, member B	9679
0.0003913	209553_at	1.41	VPS8	Vacuolar protein sorting 8 homolog (S. Cerevisiae)	23355
0.0021424	203139_at	1.41	DAPK1	Death-associated protein kinase 1	1612
0.0032593	213290_at	1.41	COL6A2	Collagen, type VI, alpha 2	1292
0.0034542	219892_at	1.41	TM6SF1	Transmembrane 6 superfamily member 1	53346
0.007052	205039_s_at	1.41	IKZF1	IKAROS family zinc finger 1 (Ikaros)	10320
0.0098175	218454_at	1.41	PLBD1	Phospholipase B domain containing 1	79887
7.10E-06	202347_s_at	1.4	UBE2K	Ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	3093
0.0007924	208620_at	1.4	PCBP1	Poly(rc) binding protein 1	5093
0.0010392	209467_s_at	1.4	MKMK1	MAP kinase interacting serine/threonine kinase 1	8569
0.0015776	206200_s_at	1.4	ANXA11	Annexin A11	311
0.0030367	221036_s_at	1.4	APH1B	Anterior pharynx defective 1 homolog B (C. Elegans)	83464
0.0030371	219694_at	1.4	FAM105A	Family with sequence similarity 105, member A	54491
0.0044149	220199_s_at	1.4	AIDA	Axin interactor, dorsalization associated	64853
0.0050279	219289_at	1.4	HEATR3	HEAT repeat containing 3	55027
0.0064185	204247_s_at	1.4	CDK5	Cyclin-dependent kinase 5	1020
0.0070031	202157_s_at	1.4	CELF2	CUGBP, Elav-like family member 2	10659
0.0078018	203878_s_at	1.4	MMP11	Matrix metalloproteinase 11 (stromelysin 3)	4320
0.0078565	218078_s_at	1.4	ZDHHC3	Zinc finger, DHHC-type containing 3	51304
0.0080635	206856_at	1.4	LILRB5	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	10990

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0.0092904	200830_at	1.4	PSMD2	Proteasome (prosome, macropain) 26S subunit, non-atpase, 2	5708
4.60E-05	212880_at	1.39	WDR7	WD repeat domain 7	23335
0.0004985	217947_at	1.39	CMTM6	CKLF-like MARVEL transmembrane domain containing 6	54918
0.0024976	213379_at	1.39	COQ2	Coenzyme Q2 homolog, prenyltransferase (yeast)	27235
0.0028009	201966_at	1.39	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kda (NADH-coenzyme Q reductase)	4720
0.0063421	218673_s_at	1.39	ATG7	ATG7 autophagy related 7 homolog (S. Cerevisiae)	10533
0.0066589	209846_s_at	1.39	BTN3A2	Butyrophilin, subfamily 3, member A2	11118
0.0094954	204131_s_at	1.39	FOXO3	Forkhead box O3	2309
0.0009929	217759_at	1.38	TRIM44	Tripartite motif-containing 44	54765
0.0011088	219797_at	1.38	MGAT4A	Mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	11320
0.0023366	202580_x_at	1.38	FOXM1	Forkhead box M1	2305
0.0027459	218358_at	1.38	CRELD2	Cysteine-rich with EGF-like domains 2	79174
0.0030845	206483_at	1.38	LRR6	Leucine rich repeat containing 6	23639
0.0040527	201729_s_at	1.38	KIAA0100	Kiaa0100	9703
0.0047312	205981_s_at	1.38	ING2	Inhibitor of growth family, member 2	3622
0.0057022	219574_at	1.38	MARCH1	Membrane-associated ring finger (C3HC4) 1	55016
0.0062933	217788_s_at	1.38	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (galnac-T2)	2590
0.0087652	52975_at	1.38	FAM125B	Family with sequence similarity 125, member B	89853
0.0088771	213416_at	1.38	ITGA4	Integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	3676
0.0010668	220939_s_at	1.37	DPP8	Dipeptidyl-peptidase 8	54878
0.0012123	220753_s_at	1.37	CRYL1	Crystallin, lambda 1	51084
0.001499	220761_s_at	1.37	TAOK3	TAO kinase 3	51347
0.0017655	219349_s_at	1.37	EXOC2	Exocyst complex component 2	55770
0.0031631	201935_s_at	1.37	EIF4G3	Eukaryotic translation initiation factor 4 gamma, 3	8672
0.0097678	203744_at	1.37	HMGB3	High-mobility group box 3	3149
0.0005012	202040_s_at	1.36	KDM5A	Lysine (K)-specific demethylase 5A	5927
0.0009883	214784_x_at	1.36	XPO6	Exportin 6	23214
0.001829	201157_s_at	1.36	NMT1	N-myristoyltransferase 1	4836
0.002959	214830_at	1.36	SLC38A6	Solute carrier family 38, member 6	145389
0.0048789	220416_at	1.36	ATP8B4	Atpase, class I, type 8B, member 4	79895
0.0070663	218543_s_at	1.36	PARP12	Poly (ADP-ribose) polymerase family, member 12	64761
0.007961	205273_s_at	1.36	PITRM1	Pitriysin metalloproteinase 1	10531
0.0002226	211928_at	1.35	DYNC1H1	Dynein, cytoplasmic 1, heavy chain 1	1778
0.0011949	200882_s_at	1.35	PSMD4	Proteasome (prosome, macropain) 26S subunit, non-atpase, 4	5710

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0013871	206182_at	1.35	ZNF134	Zinc finger protein 134	7693
0.0025278	219618_at	1.35	IRAK4	Interleukin-1 receptor-associated kinase 4	51135
0.0078528	218672_at	1.35	SCNM1	Sodium channel modifier 1	79005
0.0001658	214061_at	1.34	WDR67	WD repeat domain 67	93594
0.0005614	221504_s_at	1.34	ATP6V1H	Atpase, H+ transporting, lysosomal 50/57kda, V1 subunit H	51606
0.0015329	203145_at	1.34	SPAG5	Sperm associated antigen 5	10615
0.0039468	203656_at	1.34	FIG4	FIG4 homolog, SAC1 lipid phosphatase domain containing (S. Cerevisiae)	9896
0.0048989	219384_s_at	1.34	ADAT1	Adenosine deaminase, trna-specific 1	23536
0.00552	212993_at	1.34	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing	138151
0.0005192	203971_at	1.33	SLC31A1	Solute carrier family 31 (copper transporters), member 1	1317
0.0022448	202092_s_at	1.33	ARL2BP	ADP-ribosylation factor-like 2 binding protein	23568
0.0022879	208628_s_at	1.33	YBX1	Y box binding protein 1	4904
0.006088	201272_at	1.33	AKR1B1	Aldo-ketoreductase family 1, member B1 (aldose reductase)	231
0.0072552	220477_s_at	1.32	C20orf30	Chromosome 20 open reading frame 30	29058
0.000871	219079_at	1.3	CYB5R4	Cytochrome b5 reductase 4	51167
0.0024161	211269_s_at	1.3	IL2RA	Interleukin 2 receptor, alpha	3559
0.0028955	212829_at	1.3	PIP4K2A	Phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	5305
0.002997	217978_s_at	1.3	UBE2Q1	Ubiquitin-conjugating enzyme E2Q family member 1	55585
0.0031088	209397_at	1.3	ME2	Malic enzyme 2, NAD(+)-dependent, mitochondrial	4200
0.0015172	201573_s_at	1.29	ETF1	Eukaryotic translation termination factor 1	2107
0.0028976	218271_s_at	1.29	PARL	Presenilin associated, rhomboid-like	55486
0.0062836	218659_at	1.29	ASXL2	Additional sex combs like 2 (Drosophila)	55252
0.0001192	202114_at	1.28	SNX2	Sorting nexin 2	6643
0.0014989	218987_at	1.28	ATF7IP	Activating transcription factor 7 interacting protein	55729
0.0032716	207671_s_at	1.28	BEST1	Bestrophin 1	7439
0.0088726	202772_at	1.28	HMGCL	3-hydroxymethyl-3-methylglutaryl-coa lyase	3155
0.0011707	212724_at	1.27	RND3	Rho family gtpase 3	390
0.0026684	204479_at	1.27	OSTF1	Osteoclast stimulating factor 1	26578
0.006826	219284_at	1.27	HSPBAP1	HSPB (heat shock 27kda) associated protein 1	79663
0.0073004	209450_at	1.27	OSGEP	O-sialoglycoproteinendopeptidase	55644
0.0098492	205707_at	1.27	IL17RA	Interleukin 17 receptor A	23765
0.0027353	218763_at	1.26	STX18	Syntaxin 18	53407
0.0032788	202188_at	1.26	NUP93	Nucleoporin 93kda	9688
0.0042767	203776_at	1.26	GPKOW	G patch domain and KOW motifs	27238
0.0056457	217792_at	1.26	SNX5	Sorting nexin 5	27131
0.0065087	208693_s_at	1.26	GARS	Glycyl-trna synthetase	2617
0.0066741	221605_s_at	1.26	PIPOX	Pipelicolic acid oxidase	51268

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0078745	205565_s_at	1.26	FXN	Frataxin	2395
0.0011354	202406_s_at	1.24	TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1	7073
0.0028112	213115_at	1.24	ATG4A	ATG4 autophagy related 4 homolog A (S. Cerevisiae)	115201
0.0037702	209520_s_at	1.24	NCBP1	Nuclear cap binding protein subunit 1, 80kda	4686
0.0059049	207840_at	1.24	CD160	CD160 molecule	11126
0.0060573	219715_s_at	1.24	TDP1	Tyrosyl-DNA phosphodiesterase 1	55775
0.0087684	203022_at	1.24	RNASEH2A	Ribonuclease H2, subunit A	10535
0.0004373	208959_s_at	1.23	ERP44	Endoplasmic reticulum protein 44	23071
0.0070072	200791_s_at	1.23	IQGAP1	IQ motif containing gtpase activating protein 1	8826
0.000753	208642_s_at	1.22	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	7520
0.0074189	200871_s_at	1.22	PSAP	Prosaposin	5660
0.0039868	200843_s_at	1.21	EPRS	Glutamyl-prolyl-trna synthetase	2058
0.0001117	218107_at	1.2	WDR26	WD repeat domain 26	80232
0.000296	221449_s_at	1.2	ITFG1	Integrin alpha FG-GAP repeat containing 1	81533
0.003726	218241_at	1.2	GOLGA5	Golgin A5	9950
0.0074154	211963_s_at	1.18	ARPC5	Actin related protein 2/3 complex, subunit 5, 16kda	10092
0.0047348	208644_at	1.16	PARP1	Poly (ADP-ribose) polymerase 1	142
0.0084054	200955_at	1.16	IMMT	Inner membrane protein, mitochondrial	10989
0.0060699	218304_s_at	1.15	OSBPL11	Oxysterol binding protein-like 11	114885
0.0082102	203635_at	1.15	DSCR3	Down syndrome critical region gene 3	10311
0.0039422	217513_at	1.14	C17orf60	Chromosome 17 open reading frame 60	284021
0.0039169	208845_at	0.9	VDAC3	Voltage-dependent anion channel 3	7419
0.0058803	200810_s_at	0.9	CIRBP	Cold inducible RNA binding protein	1153
0.0093298	202428_x_at	0.9	DBI	Diazepam binding inhibitor (GABA receptor modulator, acyl-coa binding protein)	1622
0.0002846	211069_s_at	0.89	SUMO1	SMT3 suppressor of mif two 3 homolog 1 (S. Cerevisiae)	7341
0.0057596	212547_at	0.89	BRD3	Bromodomain containing 3	8019
0.0072486	220121_at	0.89	LINS1	Lines homolog 1 (Drosophila)	55180
0.007348	213499_at	0.89	CLCN2	Chloride channel 2	1181
0.0039193	201464_x_at	0.88	JUN	Jun proto-oncogene	3725
0.0039275	208640_at	0.88	RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	5879
0.0053075	213588_x_at	0.88	RPL14	Ribosomal protein L14	9045
0.0084812	208820_at	0.88	PTK2	PTK2 protein tyrosine kinase 2	5747
0.0010155	200763_s_at	0.87	RPLP1	Ribosomal protein, large, P1	6176
0.0016893	214394_x_at	0.87	EEF1D	Eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	1936
0.0023599	201891_s_at	0.87	B2M	Beta-2-microglobulin	567

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0024647	218253_s_at	0.87	LGTN	Ligatin	1939
0.0046989	202215_s_at	0.87	NFYC	Nuclear transcription factor Y, gamma	4802
0.0052599	200089_s_at	0.87	RPL4	Ribosomal protein L4	6124
0.0058994	212933_x_at	0.87	RPL13	Ribosomal protein L13	6137
0.0063349	200095_x_at	0.87	RPS10	Ribosomal protein S10	6204
0.0012828	210825_s_at	0.86	PEBP1	Phosphatidylethanolamine binding protein 1	5037
0.002736	200006_at	0.86	PARK7	Parkinson disease (autosomal recessive, early onset) 7	11315
0.0057939	212447_at	0.86	KBTBD2	Kelch repeat and BTB (POZ) domain containing 2	25948
0.0074443	200088_x_at	0.86	RPL12	Ribosomal protein L12	6136
0.0080104	212039_x_at	0.86	RPL3	Ribosomal protein L3	6122
0.0001717	217719_at	0.85	EIF3L	Eukaryotic translation initiation factor 3, subunit L	51386
0.0002582	213919_at	0.85	DNAJC4	Dnaj (Hsp40) homolog, subfamily C, member 4	3338
0.0009733	213377_x_at	0.85	RPS12	Ribosomal protein S12	6206
0.0010019	200016_x_at	0.85	HNRNPA1	Heterogeneous nuclear ribonucleoprotein A1	3178
0.0010824	201994_at	0.85	MORF4L2	Mortality factor 4 like 2	9643
0.0015608	200933_x_at	0.85	RPS4X	Ribosomal protein S4, X-linked	6191
0.0016562	201049_s_at	0.85	RPS18	Ribosomal protein S18	6222
0.0023948	204386_s_at	0.85	MRP63	Mitochondrial ribosomal protein 63	78988
0.0054637	213699_s_at	0.85	YWHAQ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	10971
0.0065944	202560_s_at	0.85	C1orf77	Chromosome 1 open reading frame 77	26097
0.006984	207783_x_at	0.85	HUWE1	HECT, UBA and WWE domain containing 1	10075
0.0079157	208855_s_at	0.85	STK24	Serine/threonine kinase 24	8428
0.0089401	209390_at	0.85	TSC1	Tuberous sclerosis 1	7248
0.0002644	213614_x_at	0.84	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1	1915
0.0003623	200717_x_at	0.84	RPL7	Ribosomal protein L7	6129
0.0006361	200025_s_at	0.84	RPL27	Ribosomal protein L27	6155
0.001688	214143_x_at	0.84	RPL24	Ribosomal protein L24	6152
0.0040722	201254_x_at	0.84	RPS6	Ribosomal protein S6	6194
0.0049855	219169_s_at	0.84	TFB1M	Transcription factor B1, mitochondrial	51106
0.0054849	200030_s_at	0.84	SLC25A3	Solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	5250
0.0072153	214328_s_at	0.84	HSP90AA1	Heat shock protein 90kda alpha (cytosolic), class A member 1	3320
0.0085271	823_at	0.84	CX3CL1	Chemokine (C-X3-C motif) ligand 1	6376
0.0090938	202622_s_at	0.84	ATXN2	Ataxin 2	6311
0.0093643	216085_at	0.84	DKFZP434C153	DKFZP434C153 protein	26105
5.55E-05	213881_x_at	0.83	SUMO2	SMT3 suppressor of mif two 3 homolog 2 ( <i>S. Cerevisiae</i> )	6613
7.17E-05	217982_s_at	0.83	MORF4L1	Mortality factor 4 like 1	10933

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0.0017377	212284_x_at	0.83	TPT1	Tumor protein, translationally-controlled 1	7178
0.0017724	213084_x_at	0.83	RPL23A	Ribosomal protein l23a	6147
0.0021247	200718_s_at	0.83	SKP1	S-phase kinase-associated protein 1	6500
0.0024387	204957_at	0.83	ORC5L	Origin recognition complex, subunit 5-like (yeast)	5001
0.003192	218356_at	0.83	FTSJ2	Ftsj homolog 2 (E. Coli)	29960
0.0036386	221474_at	0.83	MYL12B	Myosin, light chain 12B, regulatory	103910
0.0037231	213151_s_at	0.83	SEPT7	Septin 7	989
0.003725	212973_at	0.83	RPIA	Ribose 5-phosphate isomerase A	22934
0.0038234	221681_s_at	0.83	DSPP	Dentin sialophosphoprotein	1834
0.004082	207160_at	0.83	IL12A	Interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	3592
0.0045749	202231_at	0.83	EIF3M	Eukaryotic translation initiation factor 3, subunit M	10480
0.0046507	200674_s_at	0.83	RPL32	Ribosomal protein L32	6161
0.0054168	204098_at	0.83	RBMX2	RNA binding motif protein, X-linked 2	51634
0.0056921	201160_s_at	0.83	CSDA	Cold shock domain protein A	8531
0.0057698	40446_at	0.83	PHF1	PHD finger protein 1	5252
0.0067879	201934_at	0.83	WDR82	WD repeat domain 82	80335
0.0074042	204733_at	0.83	KLK6	Kallikrein-related peptidase 6	5653
0.0003078	221476_s_at	0.82	RPL15	Ribosomal protein L15	6138
0.0010243	213941_x_at	0.82	RPS7	Ribosomal protein S7	6201
0.0011455	208695_s_at	0.82	RPL39	Ribosomal protein L39	6170
0.0013067	200741_s_at	0.82	RPS27	Ribosomal protein S27	6232
0.0027417	200858_s_at	0.82	RPS8	Ribosomal protein S8	6202
0.0045733	204618_s_at	0.82	GABPB1	GA binding protein transcription factor, beta subunit 1	2553
0.0047302	200037_s_at	0.82	CBX3	Chromobox homolog 3	11335
0.0061305	213034_at	0.82	SIK3	SIK family kinase 3	23387
0.006631	208718_at	0.82	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	10521
0.0099934	221954_at	0.82	C20orf111	Chromosome 20 open reading frame 111	51526
0.0003024	201031_s_at	0.81	HNRNPH1	Heterogeneous nuclear ribonucleoprotein H1 (H)	3187
0.0009621	203667_at	0.81	TBCA	Tubulin folding cofactor A	6902
0.0010809	204700_x_at	0.81	C1orf107	Chromosome 1 open reading frame 107	27042
0.0013865	201134_x_at	0.81	COX7C	Cytochrome c oxidase subunit viic	1350
0.0014404	200018_at	0.81	RPS13	Ribosomal protein S13	6207
0.0018418	213130_at	0.81	ZNF473	Zinc finger protein 473	25888
0.0048492	201257_x_at	0.81	RPS3A	Ribosomal protein S3A	6189
0.0048788	201877_s_at	0.81	PPP2R5C	Protein phosphatase 2, regulatory subunit B', gamma	5527
0.0070129	217731_s_at	0.81	ITM2B	Integral membrane protein 2B	9445
0.007184	201658_at	0.81	ARL1	ADP-ribosylation factor-like 1	400
0.0074606	213848_at	0.81	DUSP7	Dual specificity phosphatase 7	1849

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0.007915	208647_at	0.81	FDFT1	Farnesyl-diphosphatefarnesyltransferase 1	2222
0.0088766	212126_at	0.81	CBX5	Chromobox homolog 5	23468
0.0002564	212077_at	0.8	CALD1	Caldesmon 1	800
0.0004107	206896_s_at	0.8	GNG7	Guanine nucleotide binding protein (G protein), gamma 7	2788
0.0009532	215096_s_at	0.8	ESD	Esterase D	2098
0.0011697	200963_x_at	0.8	RPL31	Ribosomal protein L31	6160
0.0013017	213313_at	0.8	RABGAP1	RAB gtpase activating protein 1	23637
0.0014667	217740_x_at	0.8	RPL7A	Ribosomal protein l7a	6130
0.0015369	211946_s_at	0.8	BAT2L2	HLA-B associated transcript 2-like 2	23215
0.00245	201166_s_at	0.8	PUM1	Pumilio homolog 1 (Drosophila)	9698
0.0032341	217927_at	0.8	SPCS1	Signal peptidase complex subunit 1 homolog (S. Cerevisiae)	28972
0.0046739	209944_at	0.8	ZNF410	Zinc finger protein 410	57862
0.0051781	32091_at	0.8	SLC25A44	Solute carrier family 25, member 44	9673
0.0055209	200926_at	0.8	RPS23	Ribosomal protein S23	6228
0.0078868	208826_x_at	0.8	HINT1	Histidine triad nucleotide binding protein 1	3094
0.0001254	200043_at	0.79	ERH	Enhancer of rudimentary homolog (Drosophila)	2079
0.0001735	200063_s_at	0.79	NPM1	Nucleophosmin (nucleolarphosphoprotein B23, numatrin)	4869
0.0002869	200062_s_at	0.79	RPL30	Ribosomal protein L30	6156
0.0003208	212578_x_at	0.79	RPS17	Ribosomal protein S17	6218
0.0003997	202443_x_at	0.79	NOTCH2	Notch 2	4853
0.0014688	218527_at	0.79	APTX	Aprataxin	54840
0.002131	202029_x_at	0.79	RPL38	Ribosomal protein L38	6169
0.0026755	216347_s_at	0.79	PPP1R13B	Protein phosphatase 1, regulatory (inhibitor) subunit 13B	23368
0.0034853	205256_at	0.79	ZBTB39	Zinc finger and BTB domain containing 39	9880
0.0067828	213035_at	0.79	ANKRD28	Ankyrin repeat domain 28	23243
0.0070522	218648_at	0.79	CRTC3	CREB regulated transcription coactivator 3	64784
0.0086646	213188_s_at	0.79	MINA	MYC induced nuclear antigen	84864
0.0095233	216215_s_at	0.79	RBM9	RNA binding motif protein 9	23543
0.0096224	217724_at	0.79	SERBP1	SERPINE1 mrna binding protein 1	26135
0.0002505	200873_s_at	0.78	CCT8	Chaperonin containing TCP1, subunit 8 (theta)	10694
0.0008986	204514_at	0.78	DPH2	DPH2 homolog (S. Cerevisiae)	1802
0.001181	200032_s_at	0.78	RPL9	Ribosomal protein L9	6133
0.0017611	203735_x_at	0.78	PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	8496
0.001923	213198_at	0.78	ACVR1B	Activin A receptor, type IB	91
0.0020964	208672_s_at	0.78	SRSF3	Serine/arginine-rich splicing factor 3	6428
0.0024089	200735_x_at	0.78	NACA	Nascent polypeptide-associated complex alpha subunit	4666
0.0031904	201987_at	0.78	MED13	Mediator complex subunit 13	9969
0.0034955	201928_at	0.78	PKP4	Plakophilin 4	8502

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0040364	208407_s_at	0.78	CTNND1	Catenin (cadherin-associated protein), delta 1	1500
0.0047445	200061_s_at	0.78	RPS24	Ribosomal protein S24	6229
0.0053089	47571_at	0.78	ZNF236	Zinc finger protein 236	7776
0.008852	213861_s_at	0.78	FAM119B	Family with sequence similarity 119, member B	25895
0.0002273	200602_at	0.77	APP	Amyloid beta (A4) precursor protein	351
0.0002796	203117_s_at	0.77	PAN2	PAN2 poly(A) specific ribonuclease subunit homolog (S. Cerevisiae)	9924
0.0007175	210986_s_at	0.77	TPM1	Tropomyosin 1 (alpha)	7168
0.0008222	202097_at	0.77	NUP153	Nucleoporin 153kda	9972
0.0010082	211938_at	0.77	EIF4B	Eukaryotic translation initiation factor 4B	1975
0.0021497	202277_at	0.77	SPTLC1	Serine palmitoyltransferase, long chain base subunit 1	10558
0.0028606	203420_at	0.77	FAM8A1	Family with sequence similarity 8, member A1	51439
0.0029588	202515_at	0.77	DLG1	Discs, large homolog 1 (Drosophila)	1739
0.0031849	38892_at	0.77	KIAA0240	Kiaa0240	23506
0.0032719	218920_at	0.77	FAM193B	Family with sequence similarity 193, member B	54540
0.0050372	200036_s_at	0.77	RPL10A	Ribosomal protein l10a	4736
0.0054016	211784_s_at	0.77	SRSF1	Serine/arginine-rich splicing factor 1	6426
0.0062417	219383_at	0.77	PRR5L	Proline rich 5 like	79899
0.0001576	202981_x_at	0.76	SIAH1	Seven in absentia homolog 1 (Drosophila)	6477
0.0007738	218403_at	0.76	TRIAP1	TP53 regulated inhibitor of apoptosis 1	51499
0.0007811	206323_x_at	0.76	OPHN1	Oligophrenin 1	4983
0.0014417	37462_i_at	0.76	SF3A2	Splicing factor 3a, subunit 2, 66kda	8175
0.0019031	201984_s_at	0.76	EGFR	Epidermal growth factor receptor	1956
0.002018	209694_at	0.76	PTS	6-pyruvoyltetrahydropterin synthase	5805
0.0020657	206158_s_at	0.76	CNBP	CCHC-type zinc finger, nucleic acid binding protein	7555
0.0026831	213278_at	0.76	MTMR9	Myotubularin related protein 9	66036
0.0027902	46665_at	0.76	SEMA4C	Sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	54910
0.0036237	218085_at	0.76	CHMP5	Chromatin modifying protein 5	51510
0.0053311	200012_x_at	0.76	RPL21	Ribosomal protein L21	6144
0.0057449	206816_s_at	0.76	SPAG8	Sperm associated antigen 8	26206
0.0067129	218467_at	0.76	PSMG2	Proteasome (prosome, macropain) assembly chaperone 2	56984
0.007301	210169_at	0.76	SEC14L5	SEC14-like 5 (S. Cerevisiae)	9717
0.0091998	203080_s_at	0.76	BAZ2B	Bromodomain adjacent to zinc finger domain, 2B	29994
0.0098597	202933_s_at	0.76	YES1	V-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	7525
0.0003867	200799_at	0.75	HSPA1A	Heat shock 70kda protein 1A	3303
0.0004524	204370_at	0.75	CLP1	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. Cerevisiae)	10978



<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0016459	208697_s_at	0.75	EIF3E	Eukaryotic translation initiation factor 3, subunit E	3646
0.0023693	220159_at	0.75	ABCA11P	ATP-binding cassette, sub-family A (ABC1), member 11 (pseudogene)	79963
0.0034094	202265_at	0.75	BMI1	BMI1 polycomb ring finger oncogene	648
0.0040193	203848_at	0.75	AKAP8	A kinase (PRKA) anchor protein 8	10270
0.0049106	217988_at	0.75	CCNB1IP1	Cyclin B1 interacting protein 1	57820
0.0055924	213218_at	0.75	ZNF187	Zinc finger protein 187	7741
0.0071283	218171_at	0.75	VPS4B	Vacuolar protein sorting 4 homolog B (S. Cerevisiae)	9525
0.0046022	209993_at	0.74	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	5243
0.0065423	203250_at	0.74	RBM16	RNA binding motif protein 16	22828
0.0083826	203484_at	0.74	SEC61G	Sec61 gamma subunit	23480
0.0085611	201997_s_at	0.74	SPEN	Spen homolog, transcriptional regulator (Drosophila)	23013
0.0013425	214123_s_at	0.73	C4orf10	Chromosome 4 open reading frame 10	317648
0.0014229	217408_at	0.73	MRPS18B	Mitochondrial ribosomal protein S18B	28973
0.0016826	213390_at	0.73	ZC3H4	Zinc finger CCCH-type containing 4	23211
0.0019191	218849_s_at	0.73	PPP1R13L	Protein phosphatase 1, regulatory (inhibitor) subunit 13 like	10848
0.0024428	219531_at	0.73	CEP72	Centrosomal protein 72kda	55722
0.0025609	209679_s_at	0.73	SMAGP	Small cell adhesion glycoprotein	57228
0.0038558	218823_s_at	0.73	KCTD9	Potassium channel tetramerisation domain containing 9	54793
0.0045613	202842_s_at	0.73	DNAJB9	Dnaj (Hsp40) homolog, subfamily B, member 9	4189
0.0056846	217551_at	0.73	OR7E14P	Olfactory receptor, family 7, subfamily E, member 14 pseudogene	10819
0.0057862	220225_at	0.73	IRX4	Iroquoishomeobox 4	50805
0.0076289	218851_s_at	0.73	WDR33	WD repeat domain 33	55339
0.0076987	204367_at	0.73	SP2	Sp2 transcription factor	6668
0.0087533	219961_s_at	0.73	PLK1S1	Polo-like kinase 1 substrate 1	55857
0.0097114	202088_at	0.73	SLC39A6	Solute carrier family 39 (zinc transporter), member 6	25800
0.0006018	65718_at	0.72	GPR124	G protein-coupled receptor 124	25960
0.0010742	219538_at	0.72	WDR5B	WD repeat domain 5B	54554
0.0013007	214662_at	0.72	WDR43	WD repeat domain 43	23160
0.0023213	212505_s_at	0.72	KIAA0892	Kiaa0892	23383
0.0041917	204071_s_at	0.72	TOPORS	Topoisomerase I binding, arginine/serine-rich	10210
0.0054669	200944_s_at	0.72	HMGN1	High-mobility group nucleosome binding domain 1	3150
0.0069101	213743_at	0.72	CCNT2	Cyclin T2	905
0.0082565	215111_s_at	0.72	TSC22D1	TSC22 domain family, member 1	8848
0.0088464	211406_at	0.72	IER3IP1	Immediate early response 3 interacting protein 1	51124
0.0092946	218769_s_at	0.72	ANKRA2	Ankyrin repeat, family A (RFXANK-like), 2	57763
0.0093235	204605_at	0.72	CGRRF1	Cell growth regulator with ring finger domain 1	10668

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0097725	213410_at	0.72	C10orf137	Chromosome 10 open reading frame 137	26098
0.0003001	212838_at	0.71	DNMBP	Dynamin binding protein	23268
0.0003678	217833_at	0.71	SYNCRIP	Synaptotagmin binding, cytoplasmic RNA interacting protein	10492
0.0004685	209139_s_at	0.71	PRKRA	Protein kinase, interferon-inducible double stranded RNA dependent activator	8575
0.0020427	212719_at	0.71	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1	23239
0.0023832	202011_at	0.71	TJP1	Tight junction protein 1 (zonaoccludens 1)	7082
0.004428	216348_at	0.71	RPS17P5	Ribosomal protein S17 pseudogene 5	442216
0.005012	203478_at	0.71	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kda	4717
0.0052152	201406_at	0.71	RPL36A	Ribosomal protein l36a	6173
0.0062452	201746_at	0.71	TP53	Tumor protein p53	7157
0.0073566	218611_at	0.71	IER5	Immediate early response 5	51278
0.0084699	215321_at	0.71	RUNDC3B	RUN domain containing 3B	154661
0.0087999	202220_at	0.71	KIAA0907	Kiaa0907	22889
0.0097571	212230_at	0.71	PPAP2B	Phosphatidic acid phosphatase type 2B	8613
0.0003321	201334_s_at	0.7	ARHGEF12	Rho guanine nucleotide exchange factor (GEF) 12	23365
0.000518	201919_at	0.7	SLC25A36	Solute carrier family 25, member 36	55186
0.0008968	218005_at	0.7	ZNF22	Zinc finger protein 22 (KOX 15)	7570
0.0009544	205136_s_at	0.7	NUFIP1	Nuclear fragile X mental retardation protein interacting protein 1	26747
0.0013327	200595_s_at	0.7	EIF3A	Eukaryotic translation initiation factor 3, subunit A	8661
0.0026123	206648_at	0.7	ZNF571	Zinc finger protein 571	51276
0.0026576	209409_at	0.7	GRB10	Growth factor receptor-bound protein 10	2887
0.0029668	218643_s_at	0.7	CRIPT	Cysteine-rich PDZ-binding protein	9419
0.0048366	208882_s_at	0.7	UBR5	Ubiquitin protein ligase E3 component n-recogin 5	51366
0.0086873	204808_s_at	0.7	TMEM5	Transmembrane protein 5	10329
2.43E-05	209702_at	0.69	FTO	Fat mass and obesity associated	79068
0.0004047	213392_at	0.69	IQCK	IQ motif containing K	124152
0.0005732	218471_s_at	0.69	BBS1	Bardet-Biedl syndrome 1	582
0.0011557	212928_at	0.69	TSPYL4	TSPY-like 4	23270
0.0041736	201957_at	0.69	PPP1R12B	Protein phosphatase 1, regulatory (inhibitor) subunit 12B	4660
0.0041737	219291_at	0.69	DTWD1	DTW domain containing 1	56986
0.0051204	204694_at	0.69	AFP	Alpha-fetoprotein	174
0.0052657	205928_at	0.69	ZNF443	Zinc finger protein 443	10224
0.0053905	202749_at	0.69	WRB	Tryptophan rich basic protein	7485
0.0096295	213322_at	0.69	C6orf130	Chromosome 6 open reading frame 130	221443
0.0005677	221230_s_at	0.68	ARID4B	AT rich interactive domain 4B (RBP1-like)	51742
0.0018668	211988_at	0.68	SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	6605

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0019765	201121_s_at	0.68	PGRMC1	Progesterone receptor membrane component 1	10857
0.0027947	209153_s_at	0.68	TCF3	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	6929
0.0045668	201084_s_at	0.68	BCLAF1	BCL2-associated transcription factor 1	9774
0.0068972	203552_at	0.68	MAP4K5	Mitogen-activated protein kinase kinase kinase 5	11183
0.0075305	219936_s_at	0.68	GPR87	G protein-coupled receptor 87	53836
0.0077666	221931_s_at	0.68	SEH1L	SEH1-like (S. Cerevisiae)	81929
0.00886	212673_at	0.68	METAP1	Methionylaminopeptidase 1	23173
0.0088762	208838_at	0.68	CAND1	Cullin-associated and neddylation-dissociated 1	55832
3.77E-05	212412_at	0.67	PDLIM5	PDZ and LIM domain 5	10611
0.0008588	208655_at	0.67	CCNI	Cyclin I	10983
0.001084	200937_s_at	0.67	RPL5	Ribosomal protein L5	6125
0.0012799	201578_at	0.67	PODXL	Podocalyxin-like	5420
0.0053207	208398_s_at	0.67	TBPL1	TBP-like 1	9519
0.0053453	219338_s_at	0.67	LRRC49	Leucine rich repeat containing 49	54839
0.0062866	213578_at	0.67	BMPR1A	Bone morphogenetic protein receptor, type IA	657
0.0064949	220350_at	0.67	ZNF235	Zinc finger protein 235	9310
0.0079808	202372_at	0.67	RAB3GAP2	RAB3 gtpase activating protein subunit 2 (non-catalytic)	25782
0.0091343	202364_at	0.67	MXI1	MAX interactor 1	4601
4.40E-05	205497_at	0.66	ZNF175	Zinc finger protein 175	7728
0.0002361	217915_s_at	0.66	RSL24D1	Ribosomal L24 domain containing 1	51187
0.0002532	212204_at	0.66	TMEM87A	Transmembrane protein 87A	25963
0.0007593	205080_at	0.66	RARB	Retinoic acid receptor, beta	5915
0.0010822	209386_at	0.66	TM4SF1	Transmembrane 4 L six family member 1	4071
0.0015393	204547_at	0.66	RAB40B	RAB40B, member RAS oncogene family	10966
0.0028324	201015_s_at	0.66	JUP	Junction plakoglobin	3728
0.0035921	203786_s_at	0.66	TPD52L1	Tumor protein D52-like 1	7164
0.0038831	213287_s_at	0.66	KRT10	Keratin 10	3858
0.0039513	202769_at	0.66	CCNG2	Cyclin G2	901
0.0039776	213310_at	0.66	EIF2C2	Eukaryotic translation initiation factor 2C, 2	27161
0.0052764	212850_s_at	0.66	LRP4	Low density lipoprotein receptor-related protein 4	4038
0.0073259	222279_at	0.66	LOC285830	Hypothetical LOC285830	285830
0.0096905	213750_at	0.66	RSL1D1	Ribosomal L1 domain containing 1	26156
0.0097622	205259_at	0.66	NR3C2	Nuclear receptor subfamily 3, group C, member 2	4306
0.0011234	202193_at	0.65	LIMK2	LIM domain kinase 2	3985
0.0012007	204847_at	0.65	ZBTB11	Zinc finger and BTB domain containing 11	27107
0.0021289	203556_at	0.65	ZHX2	Zinc fingers and homeoboxes 2	22882
0.0021593	203316_s_at	0.65	SNRPE	Small nuclear ribonucleoproteinpolypeptide E	6635

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0022136	220184_at	0.65	NANOG	Nanoghomeobox	79923
0.0022319	222304_x_at	0.65	OR7E47P	Olfactory receptor, family 7, subfamily E, member 47 pseudogene	26628
0.0036354	202565_s_at	0.65	SVIL	Supervillin	6840
0.004721	204754_at	0.65	HLF	Hepatic leukemia factor	3131
0.0082662	209909_s_at	0.65	TGFB2	Transforming growth factor, beta 2	7042
0.0089778	211033_s_at	0.65	PEX7	Peroxisomal biogenesis factor 7	5191
0.0012298	219564_at	0.64	KCNJ16	Potassium inwardly-rectifying channel, subfamily J, member 16	3773
0.0012765	214281_s_at	0.64	RCHY1	Ring finger and CHY zinc finger domain containing 1	25898
0.0027983	215596_s_at	0.64	RNF160	Ring finger protein 160	26046
0.0065492	207717_s_at	0.64	PKP2	Plakophilin 2	5318
0.0067774	212239_at	0.64	PIK3R1	Phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	5295
0.00787	204871_at	0.64	MTERF	Mitochondrial transcription termination factor	7978
0.0082775	203951_at	0.64	CNN1	Calponin 1, basic, smooth muscle	1264
0.0002085	217936_at	0.63	ARHGAP5	Rho gtpase activating protein 5	394
0.0003257	221775_x_at	0.63	RPL22	Ribosomal protein L22	6146
0.0022332	219177_at	0.63	BRX1	BRX1, biogenesis of ribosomes, homolog (S. Cerevisiae)	55299
0.0028196	208760_at	0.63	UBE2I	Ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	7329
0.0041096	221193_s_at	0.63	ZCCHC10	Zinc finger, CCHC domain containing 10	54819
0.0045331	213280_at	0.63	RAP1GAP2	RAP1 gtpase activating protein 2	23108
0.0062823	220150_s_at	0.63	FAM184A	Family with sequence similarity 184, member A	79632
0.0073061	202541_at	0.63	AIMP1	Aminoacyltransferase complex-interacting multifunctional protein 1	9255
0.0082983	204199_at	0.63	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1	9649
0.0001834	220324_at	0.62	C6orf155	Chromosome 6 open reading frame 155	79940
0.0003504	213687_s_at	0.62	RPL35A	Ribosomal protein l35a	6165
0.0007606	213701_at	0.62	C12orf29	Chromosome 12 open reading frame 29	91298
0.0007915	205791_x_at	0.62	ZNF230	Zinc finger protein 230	7773
0.00089	218712_at	0.62	C1orf109	Chromosome 1 open reading frame 109	54955
0.0039261	201117_s_at	0.62	CPE	Carboxypeptidase E	1363
0.0049981	222237_s_at	0.62	ZFP112	Zinc finger protein 112 homolog (mouse)	7771
0.0070422	218846_at	0.62	MED23	Mediator complex subunit 23	9439
0.0098464	209791_at	0.62	PADI2	Peptidyl arginine deiminase, type II	11240
0.0099275	220770_s_at	0.62	C5orf54	Chromosome 5 open reading frame 54	63920
8.83E-05	203407_at	0.61	PPL	Periplakin	5493
0.0011343	219515_at	0.61	PRDM10	PR domain containing 10	56980
0.001841	219123_at	0.61	ZNF232	Zinc finger protein 232	7775
0.0018834	203038_at	0.61	PTPRK	Protein tyrosine phosphatase, receptor type, K	5796

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0043846	214607_at	0.61	PAK3	P21 protein (Cdc42/Rac)-activated kinase 3	5063
0.0059124	201260_s_at	0.61	SYPL1	Synaptophysin-like 1	6856
0.0064999	213469_at	0.61	PGAP1	Post-GPI attachment to proteins 1	80055
0.0074247	214706_at	0.61	ZNF200	Zinc finger protein 200	7752
0.0013398	201022_s_at	0.6	DSTN	Destrin (actin depolymerizing factor)	11034
0.0016034	211747_s_at	0.6	LSM5	LSM5 homolog, U6 small nuclear RNA associated ( <i>S. Cerevisiae</i> )	23658
0.0035419	204793_at	0.6	GPRASP1	G protein-coupled receptor associated sorting protein 1	9737
0.0089994	213839_at	0.6	CLMN	Calmin (calponin-like, transmembrane)	79789
6.50E-06	211600_at	0.59	PTPRO	Protein tyrosine phosphatase, receptor type, O	5800
0.0008008	212148_at	0.59	PBX1	Pre-B-cell leukemia homeobox 1	5087
0.0015038	208796_s_at	0.59	CCNG1	Cyclin G1	900
0.0019117	201599_at	0.59	OAT	Ornithine aminotransferase	4942
0.0086192	209288_s_at	0.59	CDC42EP3	CDC42 effector protein (Rho gtpase binding) 3	10602
0.0003319	202221_s_at	0.58	EP300	E1A binding protein p300	2033
0.0013392	203991_s_at	0.58	KDM6A	Lysine (K)-specific demethylase 6A	7403
0.0041355	209242_at	0.58	PEG3	Paternally expressed 3	5178
0.0047915	212828_at	0.58	SYNJ2	Synaptojanin 2	8871
0.0001605	201939_at	0.57	PLK2	Polo-like kinase 2	10769
0.0003596	203202_at	0.57	KRR1	KRR1, small subunit (SSU) processome component, homolog (yeast)	11103
0.0005632	201660_at	0.57	ACSL3	Acyl-coa synthetase long-chain family member 3	2181
0.0006966	202023_at	0.57	EFNA1	Ephrin-A1	1942
0.0030389	203726_s_at	0.57	LAMA3	Laminin, alpha 3	3909
0.0042823	206916_x_at	0.57	TAT	Tyrosine aminotransferase	6898
0.0053019	217901_at	0.57	DSG2	Desmoglein 2	1829
0.0006958	203710_at	0.56	ITPR1	Inositol 1,4,5-triphosphate receptor, type 1	3708
0.001748	203394_s_at	0.56	HES1	Hairy and enhancer of split 1, ( <i>Drosophila</i> )	3280
0.0021628	205094_at	0.55	PEX12	Peroxisomal biogenesis factor 12	5193
0.0021706	202704_at	0.55	TOB1	Transducer of ERBB2, 1	10140
0.0039012	205347_s_at	0.55	TMSB15A	Thymosin beta 15a	11013
0.0040583	205752_s_at	0.55	GSTM5	Glutathione S-transferase mu 5	2949
0.0015814	213929_at	0.54	EXPH5	Exophilin 5	23086
0.0015844	213107_at	0.54	TNIK	TRAF2 and NCK interacting kinase	23043
0.0002225	200017_at	0.53	RPS27A	Ribosomal protein s27a	6233
0.0041981	218804_at	0.53	ANO1	Anoctamin 1, calcium activated chloride channel	55107
0.0017249	213222_at	0.52	PLCB1	Phospholipase C, beta 1 (phosphoinositide-specific)	23236
0.0068033	205442_at	0.51	MFAP3L	Microfibrillar-associated protein 3-like	9848
0.0072749	214023_x_at	0.51	TUBB2B	Tubulin, beta 2B	347733

P value	ProbeSet	Fold change	Symbol	Name	EntrezID
0.0083554	204855_at	0.51	SERPINB5	Serpin peptidase inhibitor, clade B (ovalbumin), member 5	5268
0.0038523	219115_s_at	0.5	IL20RA	Interleukin 20 receptor, alpha	53832
0.0005266	209905_at	0.48	HOXA9	Homeobox A9	3205
0.0012729	213110_s_at	0.48	COL4A5	Collagen, type IV, alpha 5	1287
0.0033316	209842_at	0.48	SOX10	SRY (sex determining region Y)-box 10	6663
0.0016353	209570_s_at	0.47	D4S234E	DNA segment on chromosome 4 (unique) 234 expressed sequence	27065
0.0001791	213900_at	0.46	FAM189A2	Family with sequence similarity 189, member A2	9413
0.0030111	219313_at	0.46	GRAMD1C	GRAM domain containing 1C	54762
0.0052763	209469_at	0.46	GPM6A	Glycoprotein M6A	2823
0.0078456	206104_at	0.46	ISL1	ISL LIM homeobox 1	3670
0.0011572	209343_at	0.45	EFHD1	EF-hand domain family, member D1	80303
0.0051612	206772_at	0.44	PTH2R	Parathyroid hormone 2 receptor	5746
0.0081843	203438_at	0.44	STC2	Stanniocalcin 2	8614
8.36E-05	213992_at	0.42	COL4A6	Collagen, type IV, alpha 6	1288
0.000422	211423_s_at	0.42	SC5DL	Sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. Cerevisiae)-like	6309
0.0076361	214761_at	0.42	ZNF423	Zinc finger protein 423	23090
0.0091814	219476_at	0.42	C1orf116	Chromosome 1 open reading frame 116	79098
1.05E-05	221207_s_at	0.4	NBEA	Neurobeachin	26960
0.005744	213695_at	0.4	PON3	Paraoxonase 3	5446
0.0039097	203797_at	0.39	VSNL1	Visinin-like 1	7447
1.89E-05	205352_at	0.38	SERPINI1	Serpin peptidase inhibitor, clade I (neuroserpin), member 1	5274
0.0005944	210432_s_at	0.38	SCN3A	Sodium channel, voltage-gated, type III, alpha subunit	6328
0.0013149	219308_s_at	0.35	AK5	Adenylate kinase 5	26289
0.0016672	209863_s_at	0.35	TP63	Tumor protein p63	8626
4.74E-05	203638_s_at	0.34	FGFR2	Fibroblast growth factor receptor 2	2263
0.0003375	218541_s_at	0.33	C8orf4	Chromosome 8 open reading frame 4	56892
0.0042707	206143_at	0.32	SLC26A3	Solute carrier family 26, member 3	1811
<b>0.0036168</b>	<b>205030_at</b>	<b>0.29</b>	<b>FABP7</b>	<b>Fatty acid binding protein 7, brain</b>	<b>2173</b>
0.0016194	206825_at	0.27	OXTR <sup>a</sup>	Oxytocin receptor	5021
<b>0.0012488</b>	<b>214087_s_at</b>	<b>0.24</b>	<b>MYBPC1</b>	<b>Myosin binding protein C, slow type</b>	<b>4604</b>
<b>0.0022278</b>	<b>214598_at</b>	<b>0.2</b>	<b>CLDN8</b>	<b>Claudin 8</b>	<b>9073</b>
<b>0.0053071</b>	<b>206509_at</b>	<b>0.16</b>	<b>PIP</b>	<b>Prolactin-induced protein</b>	<b>5304</b>
8.11E-05	209480_at	0.11	HLA-DQB1	Major histocompatibility complex, class II, DQ beta 1	3119
0.0001867	213831_at	0.11	HLA-DQA1	Major histocompatibility complex, class II, DQ alpha 1	3117

<sup>a</sup>Differential expression of OXTR could not be validated using TaqMan gene expression assay Hs00168573\_m1

**Table S3.** Genes differentially expressed between distant adipose compared to adipose from non-malignant breasts. Expression level differences were validated for those genes in bold.

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
<b>0.0010801</b>	<b>205819_at</b>	<b>3.39</b>	<b>MARCO</b>	<b>Macrophage receptor with collagenous structure</b>	<b>8685</b>
<b>1.62E-05</b>	<b>204829_s_at</b>	<b>2.94</b>	<b>FOLR2</b>	<b>Folate receptor 2 (fetal)</b>	<b>2350</b>
0.0003428	204787_at	2.85	VSIG4	V-set and immunoglobulin domain containing 4	11326
0.0011312	218232_at	2.65	C1QA	Complement component 1, q subcomponent, A chain	712
<b>2.23E-05</b>	<b>201212_at</b>	<b>2.64</b>	<b>LGMN</b>	<b>Legumain</b>	<b>5641</b>
0.000614	202953_at	2.63	C1QB	Complement component 1, q subcomponent, B chain	713
0.0014996	201785_at	2.45	RNASE1	Ribonuclease, rnase A family, 1 (pancreatic)	6035
0.000708	201743_at	2.44	CD14	CD14 molecule	929
0.0005315	215049_x_at	2.43	CD163	CD163 molecule	9332
0.0031742	205653_at	2.41	CTSG	Cathepsin G	1511
0.0004546	219607_s_at	2.39	MS4A4A	Membrane-spanning 4-domains, subfamily A, member 4	51338
0.0001159	38487_at	2.38	STAB1	Stabilin 1	23166
0.0008557	203886_s_at	2.36	FBLN2	Fibulin 2	2199
0.0016102	206682_at	2.35	CLEC10A	C-type lectin domain family 10, member A	10462
0.0002564	210889_s_at	2.32	FCGR2B	Fc fragment of igg, low affinity iib, receptor (CD32)	2213
0.0002939	203473_at	2.31	SLCO2B1	Solute carrier organic anion transporter family, member 2B1	11309
<b>1.52E-05</b>	<b>207075_at</b>	<b>2.28</b>	<b>NLRP3</b>	<b>NLR family, pyrin domain containing 3</b>	<b>114548</b>
<b>0.0002033</b>	<b>203561_at</b>	<b>2.28</b>	<b>FCGR2A</b>	<b>Fc fragment of igg, low affinity iia, receptor (CD32)</b>	<b>2212</b>
0.0056765	217552_x_at	2.28	CR1	Complement component (3b/4b) receptor 1 (Knops blood group)	1378
0.0025621	208186_s_at	2.27	LIPE	Lipase, hormone-sensitive	3991
0.0053181	205200_at	2.26	CLEC3B	C-type lectin domain family 3, member B	7123
0.0017459	200736_s_at	2.25	GPX1	Glutathione peroxidase 1	2876
0.0080067	203665_at	2.24	HMOX1	Hemeoxygenase (decycling) 1	3162
0.0014503	207277_at	2.21	CD209	CD209 molecule	30835
0.0042803	200852_x_at	2.2	GNB2	Guanine nucleotide binding protein (G protein), beta polypeptide 2	2783
0.0007559	209906_at	2.19	C3AR1	Complement component 3a receptor 1	719
0.0045844	207057_at	2.18	SLC16A7	Solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	9194
0.0028053	202839_s_at	2.16	NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kda	4713
0.0005139	219025_at	2.15	CD248	CD248 molecule, endosialin	57124
0.0083163	203915_at	2.12	CXCL9	Chemokine (C-X-C motif) ligand 9	4283
0.0014606	209417_s_at	2.06	IFI35	Interferon-induced protein 35	3430
0.0014435	205488_at	2.05	GZMA	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	3001

P value	ProbeSet	Fold change	Symbol	Name	EntrezID
0.0003811	202947_s_at	2.02	GYPC	Glycophorin C (Gerbich blood group)	2995
0.0052893	218934_s_at	2.01	HSPB7	Heat shock 27kda protein family, member 7 (cardiovascular)	27129
0.0015231	208961_s_at	2	KLF6	Kruppel-like factor 6	1316
0.001731	203028_s_at	2	CYBA	Cytochrome b-245, alpha polypeptide	1535
0.0017816	212886_at	2	CCDC69	Coiled-coil domain containing 69	26112
1.89E-05	202910_s_at	1.99	CD97	CD97 molecule	976
0.0002628	210740_s_at	1.98	ITPK1	Inositol 1,3,4-triphosphate 5/6 kinase	3705
0.0002306	210644_s_at	1.97	LAIR1	Leukocyte-associated immunoglobulin-like receptor 1	3903
0.0030384	205792_at	1.97	WISP2	WNT1 inducible signaling pathway protein 2	8839
0.0054961	32837_at	1.96	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	10555
0.0012688	218272_at	1.95	TTC38	Tetratricopeptide repeat domain 38	55020
0.0014272	202942_at	1.95	ETFB	Electron-transfer-flavoprotein, beta polypeptide	2109
0.0020501	204122_at	1.93	TYROBP	TYRO protein tyrosine kinase binding protein	7305
0.0024253	218384_at	1.93	CARHSP1	Calcium regulated heat stable protein 1, 24kda	23589
0.0024565	205012_s_at	1.93	HAGH	Hydroxyacylglutathione hydrolase	3029
0.0005018	202366_at	1.92	ACADS	Acyl-coa dehydrogenase, C-2 to C-3 short chain	35
0.0017154	200678_x_at	1.92	GRN	Granulin	2896
0.0007081	221667_s_at	1.91	HSPB8	Heat shock 22kda protein 8	26353
0.0040253	219059_s_at	1.9	LYVE1	Lymphatic vessel endothelial hyaluronan receptor 1	10894
0.0025086	206407_s_at	1.89	CCL13	Chemokine (C-C motif) ligand 13	6357
0.0003908	206219_s_at	1.88	VAV1	Vav 1 guanine nucleotide exchange factor	7409
0.0023666	203760_s_at	1.88	SLA	Src-like-adaptor	6503
0.0029617	210155_at	1.88	MYOC	Myocilin, trabecular meshwork inducible glucocorticoid response	4653
0.0085083	204647_at	1.88	HOMER3	Homer homolog 3 (Drosophila)	9454
0.0094013	205349_at	1.88	GNA15	Guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	2769
0.0015471	202180_s_at	1.87	MVP	Major vault protein	9961
0.003097	219358_s_at	1.87	ADAP2	Arfgap with dual PH domains 2	55803
0.0032819	214297_at	1.87	CSPG4	Chondroitin sulfate proteoglycan 4	1464
0.0040892	209263_x_at	1.87	TSPAN4	Tetraspanin 4	7106
0.0045807	206855_s_at	1.87	HYAL2	Hyaluronoglucosaminidase 2	8692
0.0009518	208712_at	1.85	CCND1	Cyclin D1	595
0.0010521	202957_at	1.85	HCLS1	Hematopoietic cell-specific Lyn substrate 1	3059
0.0023964	205786_s_at	1.85	ITGAM	Integrin, alpha M (complement component 3 receptor 3 subunit)	3684
0.0001594	207571_x_at	1.84	C1orf38	Chromosome 1 open reading frame 38	9473
0.002247	208609_s_at	1.84	TNXB	Tenascin XB	7148
0.0038565	203305_at	1.84	F13A1	Coagulation factor XIII, A1 polypeptide	2162



<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.007911	211748_x_at	1.84	PTGDS	Prostaglandin D2 synthase 21kda (brain)	5730
0.0098874	201403_s_at	1.84	MGST3	Microsomal glutathione S-transferase 3	4259
0.0003852	201819_at	1.83	SCARB1	Scavenger receptor class B, member 1	949
0.001054	211752_s_at	1.83	NDUF57	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kda (NADH-coenzyme Q reductase)	374291
0.0016253	203104_at	1.83	CSF1R	Colony stimulating factor 1 receptor	1436
0.0010487	221794_at	1.81	DOCK6	Dedicator of cytokinesis 6	57572
0.0058525	205483_s_at	1.81	ISG15	ISG15 ubiquitin-like modifier	9636
0.0061227	205098_at	1.81	CCR1	Chemokine (C-C motif) receptor 1	1230
0.0089685	207509_s_at	1.81	LAIR2	Leukocyte-associated immunoglobulin-like receptor 2	3904
0.0003233	219952_s_at	1.8	MCOLN1	Mucolipin 1	57192
0.0001103	219183_s_at	1.79	CYTH4	Cytohesin 4	27128
0.0035159	210751_s_at	1.79	RGN	Regucalcin (senescence marker protein-30)	9104
0.0053117	201360_at	1.79	CST3	Cystatin C	1471
0.0003852	217362_x_at	1.78	HLA-DRB6	Major histocompatibility complex, class II, DR beta 6 (pseudogene)	3128
0.0007804	207196_s_at	1.78	TNIP1	TNFAIP3 interacting protein 1	10318
0.0020273	205128_x_at	1.78	PTGS1	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	5742
0.0078918	206737_at	1.78	WNT11	Wingless-type MMTV integration site family, member 11	7481
0.0012086	202880_s_at	1.77	CYTH1	Cytohesin 1	9267
0.0056499	217914_at	1.77	TPCN1	Two pore segment channel 1	53373
0.0003202	209685_s_at	1.76	PRKCB	Protein kinase C, beta	5579
0.0030148	206441_s_at	1.76	COMM4	COMM domain containing 4	54939
0.0082073	214770_at	1.76	MSR1	Macrophage scavenger receptor 1	4481
0.0018638	211576_s_at	1.75	SLC19A1	Solute carrier family 19 (folate transporter), member 1	6573
0.006351	203803_at	1.75	PCYOX1	Prenylcysteine oxidase 1	51449
0.0075075	203234_at	1.75	UPP1	Uridinephosphorylase 1	7378
0.0085947	204331_s_at	1.75	MRPS12	Mitochondrial ribosomal protein S12	6183
0.0010385	211432_s_at	1.74	TYRO3	TYRO3 protein tyrosine kinase	7301
0.0011145	208714_at	1.74	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kda	4723
0.0022778	210075_at	1.74	MARCH2	Membrane-associated ring finger (C3HC4) 2	51257
0.0049022	212086_x_at	1.74	LMNA	Lamin A/C	4000
0.0064985	220357_s_at	1.74	SGK2	Serum/glucocorticoid regulated kinase 2	10110
0.0015893	44673_at	1.73	SIGLEC1	Sialic acid binding Ig-like lectin 1, sialoadhesin	6614
0.0027392	204912_at	1.73	IL10RA	Interleukin 10 receptor, alpha	3587
0.0003869	208625_s_at	1.72	EIF4G1	Eukaryotic translation initiation factor 4 gamma, 1	1981
0.000455	201040_at	1.71	GNAI2	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	2771

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0005746	203508_at	1.7	TNFRSF1B	Tumor necrosis factor receptor superfamily, member 1B	7133
0.0073727	219666_at	1.7	MS4A6A	Membrane-spanning 4-domains, subfamily A, member 6A	64231
0.0035371	221276_s_at	1.69	SYNC	Syncoilin, intermediate filament protein	81493
0.0003786	219282_s_at	1.68	TRPV2	Transient receptor potential cation channel, subfamily V, member 2	51393
0.0015118	214617_at	1.68	PRF1	Perforin 1 (pore forming protein)	5551
0.0026015	209039_x_at	1.68	EHD1	EH-domain containing 1	10938
0.0069669	208827_at	1.68	PSMB6	Proteasome (prosome, macropain) subunit, beta type, 6	5694
0.0031395	202927_at	1.67	PIN1	Peptidylprolyl cis/trans isomerase, NIMA-interacting 1	5300
0.0039602	212873_at	1.67	HMHA1	Histocompatibility (minor) HA-1	23526
0.0086447	218130_at	1.67	C17orf62	Chromosome 17 open reading frame 62	79415
0.0014898	204167_at	1.66	BTD	Biotinidase	686
0.0064691	218153_at	1.66	CARS2	Cysteinylnl-trna synthetase 2, mitochondrial (putative)	79587
0.0088391	219656_at	1.66	PCDH12	Protocadherin 12	51294
0.0010179	210205_at	1.65	B3GALT4	UDP-Gal:betaglcnac beta 1,3-galactosyltransferase, polypeptide 4	8705
0.0027363	210201_x_at	1.65	BIN1	Bridging integrator 1	274
0.0034332	59705_at	1.65	SCLY	Selenocysteinylase	51540
0.0039691	40016_g_at	1.65	MAST4	Microtubule associated serine/threonine kinase family member 4	375449
0.0042851	204057_at	1.65	IRF8	Interferon regulatory factor 8	3394
0.0064266	218843_at	1.65	FNDC4	Fibronectin type III domain containing 4	64838
0.00768	217925_s_at	1.65	C6orf106	Chromosome 6 open reading frame 106	64771
0.006673	205290_s_at	1.64	BMP2	Bone morphogenetic protein 2	650
0.0070972	219909_at	1.64	MMP28	Matrix metalloproteinase 28	79148
0.0082156	56821_at	1.64	SLC38A7	Solute carrier family 38, member 7	55238
0.0032591	218105_s_at	1.63	MRPL4	Mitochondrial ribosomal protein L4	51073
0.0019635	202332_at	1.62	CSNK1E	Casein kinase 1, epsilon	1454
0.0028799	203588_s_at	1.62	TFDP2	Transcription factor Dp-2 (E2F dimerization partner 2)	7029
0.0034019	209244_s_at	1.62	KIF1C	Kinesin family member 1C	10749
0.005649	201655_s_at	1.62	HSPG2	Heparan sulfate proteoglycan 2	3339
0.0074914	208928_at	1.62	POR	P450 (cytochrome) oxidoreductase	5447
0.0079795	36829_at	1.62	PER1	Period homolog 1 (Drosophila)	5187
0.0002843	218945_at	1.61	C16orf68	Chromosome 16 open reading frame 68	79091
0.0012979	210746_s_at	1.61	EPB42	Erythrocyte membrane protein band 4.2	2038
0.0023587	201511_at	1.61	AAMP	Angio-associated, migratory cell protein	14
0.0030112	213160_at	1.61	DOCK2	Dedicator of cytokinesis 2	1794
0.0062256	204610_s_at	1.61	CCDC85B	Coiled-coil domain containing 85B	11007
0.0082938	220956_s_at	1.61	EGLN2	Egl nine homolog 2 (C. Elegans)	112398

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0011601	205125_at	1.6	PLCD1	Phospholipase C, delta 1	5333
0.0022791	209042_s_at	1.6	UBE2G2	Ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	7327
5.55E-05	201609_x_at	1.59	ICMT	Isoprenylcysteine carboxyl methyltransferase	23463
0.0006463	212975_at	1.59	DENND3	DENN/MADD domain containing 3	22898
0.0018069	210640_s_at	1.59	GPER	G protein-coupled estrogen receptor 1	2852
0.0051877	220141_at	1.59	C11orf63	Chromosome 11 open reading frame 63	79864
0.0003573	205620_at	1.58	F10	Coagulation factor X	2159
0.0017945	38671_at	1.58	PLXND1	Plexin D1	23129
0.0019187	220757_s_at	1.58	UBXN6	UBX domain protein 6	80700
0.0022487	206950_at	1.58	SCN9A	Sodium channel, voltage-gated, type IX, alpha subunit	6335
0.0054075	212540_at	1.58	CDC34	Cell division cycle 34 homolog (S. Cerevisiae)	997
0.0091684	221692_s_at	1.58	MRPL34	Mitochondrial ribosomal protein L34	64981
0.0002976	213656_s_at	1.57	KLC1	Kinesin light chain 1	3831
0.0017952	205988_at	1.57	CD84	CD84 molecule	8832
0.0044688	202564_x_at	1.57	ARL2	ADP-ribosylation factor-like 2	402
0.006468	206545_at	1.57	CD28	CD28 molecule	940
0.0080006	218144_s_at	1.57	INF2	Inverted formin, FH2 and WH2 domain containing	64423
0.0001693	204360_s_at	1.56	NAGLU	N-acetylglucosaminidase, alpha	4669
0.0014011	37384_at	1.56	PPM1F	Protein phosphatase, Mg2+/Mn2+ dependent, 1F	9647
0.0021849	205423_at	1.56	AP1B1	Adaptor-related protein complex 1, beta 1 subunit	162
0.0088282	201379_s_at	1.56	TPD52L2	Tumor protein D52-like 2	7165
0.0092135	220088_at	1.56	C5AR1	Complement component 5a receptor 1	728
0.0004568	220007_at	1.55	METTL8	Methyltransferase like 8	79828
0.0006347	212144_at	1.55	SUN2	Sad1 and UNC84 domain containing 2	25777
0.0023351	220005_at	1.55	P2RY13	Purinergic receptor P2Y, G-protein coupled, 13	53829
0.0028913	204276_at	1.55	TK2	Thymidine kinase 2, mitochondrial	7084
0.0030276	208918_s_at	1.55	NADK	NAD kinase	65220
0.0033562	218046_s_at	1.55	MRPS16	Mitochondrial ribosomal protein S16	51021
0.0050579	217808_s_at	1.55	MAPKAP1	Mitogen-activated protein kinase associated protein 1	79109
0.0068939	205036_at	1.55	LSM6	LSM6 homolog, U6 small nuclear RNA associated (S. Cerevisiae)	11157
0.000627	209980_s_at	1.54	SHMT1	Serine hydroxymethyltransferase 1 (soluble)	6470
0.0065949	203717_at	1.54	DPP4	Dipeptidyl-peptidase 4	1803
0.0081493	210762_s_at	1.54	DLC1	Deleted in liver cancer 1	10395
0.0090686	203010_at	1.54	STAT5A	Signal transducer and activator of transcription 5A	6776
0.0003598	201186_at	1.53	LRPAP1	Low density lipoprotein receptor-related protein associated protein 1	4043
9.40E-05	204174_at	1.52	ALOX5AP	Arachidonate 5-lipoxygenase-activating protein	241

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0029075	215075_s_at	1.52	GRB2	Growth factor receptor-bound protein 2	2885
0.0034972	204663_at	1.52	ME3	Malic enzyme 3, NADP(+)-dependent, mitochondrial	10873
0.0050172	204135_at	1.52	FILIP1L	Filamin A interacting protein 1-like	11259
0.0060146	217784_at	1.52	YKT6	YKT6 v-SNARE homolog (S. Cerevisiae)	10652
0.0060788	209665_at	1.52	CYB561D2	Cytochrome b-561 domain containing 2	11068
0.0065684	217849_s_at	1.52	CDC42BPB	CDC42 binding protein kinase beta (DMPK-like)	9578
0.0076546	212739_s_at	1.52	NME4	Non-metastatic cells 4, protein expressed in	4833
0.0082059	218487_at	1.52	ALAD	Aminolevulinatedehydratase	210
0.005567	219431_at	1.51	ARHGAP10	Rho gtpase activating protein 10	79658
0.0061836	218743_at	1.51	CHMP6	Chromatin modifying protein 6	79643
0.0004652	207233_s_at	1.5	MITF	Microphthalmia-associated transcription factor	4286
0.0015361	210163_at	1.5	CXCL11	Chemokine (C-X-C motif) ligand 11	6373
0.0070556	202154_x_at	1.5	TUBB3	Tubulin, beta 3	10381
1.35E-05	52975_at	1.49	FAM125B	Family with sequence similarity 125, member B	89853
0.000674	218610_s_at	1.48	CPPED1	Calcineurin-like phosphoesterase domain containing 1	55313
0.001931	211974_x_at	1.48	RBPJ	Recombination signal binding protein for immunoglobulin kappa J region	3516
0.002931	206637_at	1.48	P2RY14	Purinergic receptor P2Y, G-protein coupled, 14	9934
0.0045685	214054_at	1.48	DOK2	Docking protein 2, 56kda	9046
0.0018906	212860_at	1.47	ZDHHC18	Zinc finger, DHHC-type containing 18	84243
0.0035638	218540_at	1.47	THTPA	Thiamine triphosphatase	79178
0.0048923	219020_at	1.47	HS1BP3	HCLS1 binding protein 3	64342
0.0016151	202449_s_at	1.46	RXRA	Retinoid X receptor, alpha	6256
0.0019224	216323_x_at	1.46	TUBA3D	Tubulin, alpha 3d	113457
0.0020095	205401_at	1.46	AGPS	Alkylglycerone phosphate synthase	8540
0.0031294	204505_s_at	1.46	EPB49	Erythrocyte membrane protein band 4.9 (dematin)	2039
0.0045608	218902_at	1.46	NOTCH1	Notch 1	4851
0.0054891	203002_at	1.46	AMOTL2	Angiomotin like 2	51421
0.0074176	221653_x_at	1.46	APOL2	Apolipoprotein L, 2	23780
0.0080365	221290_s_at	1.46	MUM1	Melanoma associated antigen (mutated) 1	84939
0.0002332	220477_s_at	1.45	C20orf30	Chromosome 20 open reading frame 30	29058
0.0011064	219001_s_at	1.45	DCAF10	DDB1 and CUL4 associated factor 10	79269
0.0017879	213974_at	1.45	ADAMTSL3	ADAMTS-like 3	57188
0.0028972	212197_x_at	1.45	MPRIP	Myosin phosphatase Rho interacting protein	23164
0.0035004	205911_at	1.45	PTH1R	Parathyroid hormone 1 receptor	5745
0.0055792	202944_at	1.45	NAGA	N-acetylgalactosaminidase, alpha-	4668
0.0063166	208018_s_at	1.45	HCK	Hemopoietic cell kinase	3055
0.0078595	222175_s_at	1.44	MED15	Mediator complex subunit 15	51586
0.0093779	202157_s_at	1.44	CELF2	CUGBP, Elav-like family member 2	10659

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0045266	206128_at	1.43	ADRA2C	Adrenergic, alpha-2C-, receptor	152
0.0053103	212856_at	1.43	GRAMD4	GRAM domain containing 4	23151
0.007046	49329_at	1.43	KLHL22	Kelch-like 22 (Drosophila)	84861
0.0023327	209370_s_at	1.42	SH3BP2	SH3-domain binding protein 2	6452
0.0027332	33197_at	1.42	MYO7A	Myosin VIIA	4647
0.0044819	201487_at	1.42	CTSC	Cathepsin C	1075
0.0093403	215088_s_at	1.42	SDHC	Succinate dehydrogenase complex, subunit C, integral membrane protein, 15kda	6391
0.0010567	203206_at	1.41	FAM53B	Family with sequence similarity 53, member B	9679
0.0026138	201114_x_at	1.41	PSMA7	Proteasome (prosome, macropain) subunit, alpha type, 7	5688
0.0087824	206016_at	1.41	CCDC22	Coiled-coil domain containing 22	28952
0.0049265	53076_at	1.4	B4GALT7	Xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I)	11285
0.0074445	218208_at	1.39	PQLC1	PQ loop repeat containing 1	80148
0.0097643	218496_at	1.39	RNASEH1	Ribonuclease H1	246243
0.0035564	218078_s_at	1.38	ZDHHC3	Zinc finger, DHHC-type containing 3	51304
0.0047932	212437_at	1.37	CENPB	Centromere protein B, 80kda	1059
0.0052297	34406_at	1.37	PACS2	Phosphofurin acidic cluster sorting protein 2	23241
0.0056987	204191_at	1.37	IFNAR1	Interferon (alpha, beta and omega) receptor 1	3454
0.0077771	219625_s_at	1.37	COL4A3BP	Collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	10087
0.0078759	204187_at	1.37	GMPR	Guanosine monophosphate reductase	2766
4.44E-05	212103_at	1.36	KPNA6	Karyopherin alpha 6 (importin alpha 7)	23633
0.006899	207992_s_at	1.36	AMPD3	Adenosine monophosphate deaminase 3	272
0.0056641	208728_s_at	1.34	CDC42	Cell division cycle 42 (GTP binding protein, 25kda)	998
0.0065587	201314_at	1.34	STK25	Serine/threonine kinase 25	10494
0.006731	213836_s_at	1.34	WIPI1	WD repeat domain, phosphoinositide interacting 1	55062
0.0010158	204211_x_at	1.33	EIF2AK2	Eukaryotic translation initiation factor 2-alpha kinase 2	5610
0.0017999	200882_s_at	1.33	PSMD4	Proteasome (prosome, macropain) 26S subunit, non-atpase, 4	5710
0.0036591	219180_s_at	1.33	PEX26	Peroxisomal biogenesis factor 26	55670
0.0056663	204488_at	1.33	DOLK	Dolichol kinase	22845
0.006963	201000_at	1.33	AARS	Alanyl-trna synthetase	16
0.0087943	204264_at	1.32	CPT2	Carnitinepalmitoyltransferase 2	1376
0.0059441	219366_at	1.31	AVEN	Apoptosis, caspase activation inhibitor	57099
0.0076698	203512_at	1.31	TRAPPC3	Trafficking protein particle complex 3	27095
0.008246	205981_s_at	1.31	ING2	Inhibitor of growth family, member 2	3622
0.0063335	207469_s_at	1.3	PIR	Pirin (iron-binding nuclear protein)	8544
0.0072519	222021_x_at	1.3	SDHAP1	Succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1	255812

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0092438	201157_s_at	1.3	NMT1	N-myristoyltransferase 1	4836
0.00053	203776_at	1.29	GPKOW	G patch domain and KOW motifs	27238
0.0061597	213290_at	1.29	COL6A2	Collagen, type VI, alpha 2	1292
0.006307	218673_s_at	1.29	ATG7	ATG7 autophagy related 7 homolog (S. Cerevisiae)	10533
0.0060487	219723_x_at	1.27	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	56894
0.0083228	205687_at	1.27	UBFD1	Ubiquitin family domain containing 1	56061
0.0087457	209414_at	1.27	FZR1	Fizzy/cell division cycle 20 related 1 (Drosophila)	51343
0.0065346	219620_x_at	1.25	C9orf167	Chromosome 9 open reading frame 167	54863
0.0073004	202347_s_at	1.25	UBE2K	Ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	3093
0.0063658	221725_at	1.21	WASF2	WAS protein family, member 2	10163
0.008407	203270_at	1.21	DTYMK	Deoxythymidylate kinase (thymidylate kinase)	1841
0.0086163	212010_s_at	1.19	CDV3	CDV3 homolog (mouse)	55573
0.0084035	221321_s_at	1.17	KCNIP2	Kv channel interacting protein 2	30819
0.0077824	206806_at	0.91	DGKI	Diacylglycerol kinase, iota	9162
0.0079829	212547_at	0.89	BRD3	Bromodomain containing 3	8019
0.0017957	217982_s_at	0.87	MORF4L1	Mortality factor 4 like 1	10933
0.0027698	201994_at	0.87	MORF4L2	Mortality factor 4 like 2	9643
0.0019686	212718_at	0.86	PAPOLA	Poly(A) polymerase alpha	10914
0.0059058	205788_s_at	0.86	ZC3H11A	Zinc finger CCCH-type containing 11A	9877
0.0048675	202560_s_at	0.85	C1orf77	Chromosome 1 open reading frame 77	26097
0.0053822	209688_s_at	0.85	CCDC93	Coiled-coil domain containing 93	54520
0.0043372	214328_s_at	0.84	HSP90AA1	Heat shock protein 90kda alpha (cytosolic), class A member 1	3320
0.0050789	201658_at	0.84	ARL1	ADP-ribosylation factor-like 1	400
0.0070005	207160_at	0.84	IL12A	Interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	3592
0.0071707	212872_s_at	0.84	MED20	Mediator complex subunit 20	9477
0.0095495	202521_at	0.84	CTCF	CCCTC-binding factor (zinc finger protein)	10664
0.0005094	221476_s_at	0.83	RPL15	Ribosomal protein L15	6138
0.0020706	202981_x_at	0.83	SIAH1	Seven in absentia homolog 1 (Drosophila)	6477
0.0033618	218783_at	0.83	INTS7	Integrator complex subunit 7	25896
0.0042875	208718_at	0.83	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	10521
0.0063748	217740_x_at	0.83	RPL7A	Ribosomal protein l7a	6130
0.0081041	201987_at	0.83	MED13	Mediator complex subunit 13	9969
0.0099203	221873_at	0.83	ZNF143	Zinc finger protein 143	7702
0.0009473	200043_at	0.82	ERH	Enhancer of rudimentary homolog (Drosophila)	2079
0.0014848	200068_s_at	0.82	CANX	Calnexin	821
0.0022958	200063_s_at	0.82	NPM1	Nucleophosmin (nucleolarphosphoprotein B23, numatrin)	4869
0.0047971	221843_s_at	0.82	KIAA1609	Kiaa1609	57707

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0.0069739	203026_at	0.82	ZBTB5	Zinc finger and BTB domain containing 5	9925
0.0074039	212114_at	0.82	ATXN7L3B	Ataxin 7-like 3B	552889
0.0005185	200627_at	0.81	PTGES3	Prostaglandin E synthase 3 (cytosolic)	10728
0.0039632	210986_s_at	0.81	TPM1	Tropomyosin 1 (alpha)	7168
0.0049894	214363_s_at	0.81	MATR3	Matrin 3	9782
0.005047	211784_s_at	0.81	SRSF1	Serine/arginine-rich splicing factor 1	6426
0.0055115	203389_at	0.81	KIF3C	Kinesin family member 3C	3797
0.008027	213278_at	0.81	MTMR9	Myotubularin related protein 9	66036
0.0093542	212593_s_at	0.81	PDCD4	Programmed cell death 4 (neoplastic transformation inhibitor)	27250
0.0004529	204957_at	0.8	ORC5L	Origin recognition complex, subunit 5-like (yeast)	5001
0.0010465	209390_at	0.8	TSC1	Tuberous sclerosis 1	7248
0.0032423	200794_x_at	0.8	DAZAP2	DAZ associated protein 2	9802
0.0054927	208668_x_at	0.8	HMG2	High-mobility group nucleosomal binding domain 2	3151
0.007719	200945_s_at	0.8	SEC31A	SEC31 homolog A ( <i>S. Cerevisiae</i> )	22872
0.0089126	204587_at	0.8	SLC25A14	Solute carrier family 25 (mitochondrial carrier, brain), member 14	9016
0.0092073	210409_at	0.8	C6orf124	Chromosome 6 open reading frame 124	653483
0.0004308	200877_at	0.79	CCT4	Chaperonin containing TCP1, subunit 4 (delta)	10575
0.0023786	203848_at	0.79	AKAP8	A kinase (PRKA) anchor protein 8	10270
0.0027798	204098_at	0.79	RBMX2	RNA binding motif protein, X-linked 2	51634
0.0047603	218403_at	0.79	TRIAP1	TP53 regulated inhibitor of apoptosis 1	51499
0.0058601	200799_at	0.79	HSPA1A	Heat shock 70kda protein 1A	3303
0.0064789	207417_s_at	0.79	ZNF177	Zinc finger protein 177	7730
0.0066178	214035_x_at	0.79	LOC399491	GPS, PLAT and transmembrane domain-containing protein	399491
0.0071964	201773_at	0.79	ADNP	Activity-dependent neuroprotectorhomeobox	23394
0.001299	213861_s_at	0.78	FAM119B	Family with sequence similarity 119, member B	25895
0.0026189	204370_at	0.78	CLP1	CLP1, cleavage and polyadenylation factor I subunit, homolog ( <i>S. Cerevisiae</i> )	10978
0.0034364	209572_s_at	0.78	EED	Embryonic ectoderm development	8726
0.0053973	212066_s_at	0.78	USP34	Ubiquitin specific peptidase 34	9736
0.0078558	218263_s_at	0.78	ZBED5	Zinc finger, BED-type containing 5	58486
0.0079856	217833_at	0.78	SYNCRIP	Synaptotagmin binding, cytoplasmic RNA interacting protein	10492
0.0091278	213390_at	0.78	ZC3H4	Zinc finger CCCH-type containing 4	23211
0.0001428	203117_s_at	0.77	PAN2	PAN2 poly(A) specific ribonuclease subunit homolog ( <i>S. Cerevisiae</i> )	9924
0.0012603	202184_s_at	0.77	NUP133	Nucleoporin 133kda	55746
0.0018253	208697_s_at	0.77	EIF3E	Eukaryotic translation initiation factor 3, subunit E	3646
0.0022832	214661_s_at	0.77	NOP14	NOP14 nucleolar protein homolog (yeast)	8602

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0.0032245	203266_s_at	0.77	MAP2K4	Mitogen-activated protein kinase kinase 4	6416
0.0036646	207153_s_at	0.77	GLMN	Glomulin, FKBP associated protein	11146
0.004585	209944_at	0.77	ZNF410	Zinc finger protein 410	57862
0.0046919	213762_x_at	0.77	RBMX	RNA binding motif protein, X-linked	27316
0.0049172	212455_at	0.77	YTHDC1	YTH domain containing 1	91746
0.0058852	218920_at	0.77	FAM193B	Family with sequence similarity 193, member B	54540
0.006684	203531_at	0.77	CUL5	Cullin 5	8065
0.0095887	214123_s_at	0.77	C4orf10	Chromosome 4 open reading frame 10	317648
0.0095968	208939_at	0.77	SEPHS1	Selenophosphate synthetase 1	22929
0.0001638	202265_at	0.76	BMI1	BMI1 polycomb ring finger oncogene	648
0.0008435	213682_at	0.76	NUP50	Nucleoporin 50kda	10762
0.0010042	212153_at	0.76	POGZ	Pogo transposable element with ZNF domain	23126
0.0023176	219661_at	0.76	RANBP17	RAN binding protein 17	64901
0.002414	218005_at	0.76	ZNF22	Zinc finger protein 22 (KOX 15)	7570
0.0043089	46323_at	0.76	CANT1	Calcium activated nucleotidase 1	124583
0.0043583	202842_s_at	0.76	DNAJB9	Dnaj (Hsp40) homolog, subfamily B, member 9	4189
0.0056807	212474_at	0.76	AVL9	AVL9 homolog (S. Cerevisiae)	23080
0.0057736	36552_at	0.76	C2CD3	C2 calcium-dependent domain containing 3	26005
0.0067915	221954_at	0.76	C20orf111	Chromosome 20 open reading frame 111	51526
0.0070195	208655_at	0.76	CCNI	Cyclin I	10983
0.0076797	203616_at	0.76	POLB	Polymerase (DNA directed), beta	5423
7.07E-05	200873_s_at	0.75	CCT8	Chaperonin containing TCP1, subunit 8 (theta)	10694
0.0003121	218378_s_at	0.75	PRKRIP1	PRKR interacting protein 1 (IL11 inducible)	79706
0.0007199	213271_s_at	0.75	DOPEY1	Dopey family member 1	23033
0.0008025	203229_s_at	0.75	CLK2	CDC-like kinase 2	1196
0.0014334	219538_at	0.75	WDR5B	WD repeat domain 5B	54554
0.0016115	221751_at	0.75	PANK3	Pantothenate kinase 3	79646
0.0034142	212416_at	0.75	SCAMP1	Secretory carrier membrane protein 1	9522
0.0049051	202076_at	0.75	BIRC2	Baculoviral IAP repeat-containing 2	329
0.0052029	212838_at	0.75	DNMBP	Dynamin binding protein	23268
0.0063734	221952_x_at	0.75	TRMT5	TRM5 tnamethyltransferase 5 homolog (S. Cerevisiae)	57570
0.0064509	212149_at	0.75	EFR3A	EFR3 homolog A (S. Cerevisiae)	23167
0.0071622	201687_s_at	0.75	API5	Apoptosis inhibitor 5	8539
0.0082084	203611_at	0.75	TERF2	Telomeric repeat binding factor 2	7014
0.0092241	202133_at	0.75	WWTR1	WW domain containing transcription regulator 1	25937
3.78E-05	204618_s_at	0.74	GABPB1	GA binding protein transcription factor, beta subunit 1	2553
0.0004268	218527_at	0.74	APTX	Aprataxin	54840
0.0011597	208801_at	0.74	SRP72	Signal recognition particle 72kda	6731



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0.0011892	207753_at	0.74	ZNF304	Zinc finger protein 304	57343
0.0014559	203057_s_at	0.74	PRDM2	PR domain containing 2, with ZNF domain	7799
0.0018468	213857_s_at	0.74	CD47	CD47 molecule	961
0.0019029	212836_at	0.74	POLD3	Polymerase (DNA-directed), delta 3, accessory subunit	10714
0.0020524	219526_at	0.74	C14orf169	Chromosome 14 open reading frame 169	79697
0.0023707	201385_at	0.74	DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	1665
0.0036206	201845_s_at	0.74	RYBP	RING1 and YY1 binding protein	23429
0.004556	201997_s_at	0.74	SPEN	Spn homolog, transcriptional regulator (Drosophila)	23013
0.0050701	202370_s_at	0.74	CBFB	Core-binding factor, beta subunit	865
0.0054046	201664_at	0.74	SMC4	Structural maintenance of chromosomes 4	10051
0.0054306	200631_s_at	0.74	SET	SET nuclear oncogene	6418
0.0055347	36888_at	0.74	HAUS5	HAUS augmin-like complex, subunit 5	23354
0.0073057	212505_s_at	0.74	KIAA0892	Kiaa0892	23383
0.0078845	201786_s_at	0.74	ADAR	Adenosine deaminase, RNA-specific	103
0.0001164	219362_at	0.73	NAA35	N(alpha)-acetyltransferase 35, natc auxiliary subunit	60560
0.0008097	203080_s_at	0.73	BAZ2B	Bromodomain adjacent to zinc finger domain, 2B	29994
0.0015962	208804_s_at	0.73	SRSF6	Serine/arginine-rich splicing factor 6	6431
0.002242	214113_s_at	0.73	RBM8A	RNA binding motif protein 8A	9939
0.0032224	208882_s_at	0.73	UBR5	Ubiquitin protein ligase E3 component n-recogin 5	51366
0.0033318	213410_at	0.73	C10orf137	Chromosome 10 open reading frame 137	26098
0.0041216	203407_at	0.73	PPL	Periplakin	5493
0.004629	201578_at	0.73	PODXL	Podocalyxin-like	5420
0.0058368	202088_at	0.73	SLC39A6	Solute carrier family 39 (zinc transporter), member 6	25800
0.0067163	209386_at	0.73	TM4SF1	Transmembrane 4 L six family member 1	4071
0.007013	209362_at	0.73	MED21	Mediator complex subunit 21	9412
0.0080345	202658_at	0.73	PEX11B	Peroxisomal biogenesis factor 11 beta	8799
0.0081044	214662_at	0.73	WDR43	WD repeat domain 43	23160
0.0081974	205450_at	0.73	PHKA1	Phosphorylase kinase, alpha 1 (muscle)	5255
0.0085986	206683_at	0.73	ZNF165	Zinc finger protein 165	7718
0.0091961	212919_at	0.73	DCP2	DCP2 decapping enzyme homolog (S. Cerevisiae)	167227
0.0011627	204071_s_at	0.72	TOPORS	Topoisomerase I binding, arginine/serine-rich	10210
0.0028436	218979_at	0.72	RMI1	RMI1, recq mediated genome instability 1, homolog (S. Cerevisiae)	80010
0.0037031	200937_s_at	0.72	RPL5	Ribosomal protein L5	6125
0.0041947	218471_s_at	0.72	BBS1	Bardet-Biedl syndrome 1	582
0.0053025	214246_x_at	0.72	MINK1	Misshapen-like kinase 1	50488
0.005954	203743_s_at	0.72	TDG	Thymine-DNA glycosylase	6996
0.0078238	220399_at	0.72	NCRNA00115	Non-protein coding RNA 115	79854

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0079766	213743_at	0.72	CCNT2	Cyclin T2	905
0.0092828	209240_at	0.72	OGT	O-linked N-acetylglucosamine (glcnac) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyltransferase)	8473
4.89E-05	212412_at	0.71	PDLIM5	PDZ and LIM domain 5	10611
0.0002201	219351_at	0.71	TRAPPC2	Trafficking protein particle complex 2	6399
0.0004808	213233_s_at	0.71	KLHL9	Kelch-like 9 (Drosophila)	55958
0.0008308	221230_s_at	0.71	ARID4B	AT rich interactive domain 4B (RBP1-like)	51742
0.00156	205080_at	0.71	RARB	Retinoic acid receptor, beta	5915
0.0018868	206142_at	0.71	ZNF135	Zinc finger protein 135	7694
0.0027008	213136_at	0.71	PTPN2	Protein tyrosine phosphatase, non-receptor type 2	5771
0.0028235	213452_at	0.71	ZNF184	Zinc finger protein 184	7738
0.004647	209139_s_at	0.71	PRKRA	Protein kinase, interferon-inducible double stranded RNA dependent activator	8575
0.0047406	205583_s_at	0.71	ALG13	Asparagine-linked glycosylation 13 homolog (S. Cerevisiae)	79868
0.0060743	218397_at	0.71	FANCL	Fanconi anemia, complementation group L	55120
0.006369	213346_at	0.71	C13orf27	Chromosome 13 open reading frame 27	93081
0.0001545	200944_s_at	0.7	HMGN1	High-mobility group nucleosome binding domain 1	3150
0.0021576	204215_at	0.7	C7orf23	Chromosome 7 open reading frame 23	79161
0.0031468	218615_s_at	0.7	TMEM39A	Transmembrane protein 39A	55254
0.0040659	206507_at	0.7	ZSCAN12	Zinc finger and SCAN domain containing 12	9753
0.0041152	213694_at	0.7	RSBN1	Round spermatid basic protein 1	54665
0.0056229	211033_s_at	0.7	PEX7	Peroxisomal biogenesis factor 7	5191
0.0085486	209537_at	0.7	EXTL2	Exostoses (multiple)-like 2	2135
0.009242	218040_at	0.7	PRPF38B	PRP38 pre-mrna processing factor 38 (yeast) domain containing B	55119
9.58E-05	214722_at	0.69	NOTCH2NL	Notch 2 N-terminal like	388677
0.0002564	205588_s_at	0.69	FGFR1OP	FGFR1 oncogene partner	11116
0.0003502	219531_at	0.69	CEP72	Centrosomal protein 72kda	55722
0.0026977	205047_s_at	0.69	ASNS	Asparagine synthetase (glutamine-hydrolyzing)	440
0.0038102	205791_x_at	0.69	ZNF230	Zinc finger protein 230	7773
0.0045804	218791_s_at	0.69	C15orf29	Chromosome 15 open reading frame 29	79768
0.0052578	208398_s_at	0.69	TBPL1	TBP-like 1	9519
0.0063406	203556_at	0.69	ZHX2	Zinc fingers and homeoboxes 2	22882
0.007452	219069_at	0.69	ANKRD49	Ankyrin repeat domain 49	54851
0.0074909	218935_at	0.69	EHD3	EH-domain containing 3	30845
5.00E-05	218249_at	0.68	ZDHHC6	Zinc finger, DHHC-type containing 6	64429
0.0008213	204354_at	0.68	POT1	Protection of telomeres 1 homolog (S. Pombe)	25913
0.0013029	211600_at	0.68	PTPRO	Protein tyrosine phosphatase, receptor type, O	5800
0.0015095	209265_s_at	0.68	METTL3	Methyltransferase like 3	56339

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0.0015849	201084_s_at	0.68	BCLAF1	BCL2-associated transcription factor 1	9774
0.0024444	213310_at	0.68	EIF2C2	Eukaryotic translation initiation factor 2C, 2	27161
0.002954	209022_at	0.68	STAG2	Stromal antigen 2	10735
0.0033293	201302_at	0.68	ANXA4	Annexin A4	307
0.004163	220324_at	0.68	C6orf155	Chromosome 6 open reading frame 155	79940
0.0049526	201746_at	0.68	TP53	Tumor protein p53	7157
3.55E-05	213392_at	0.67	IQCK	IQ motif containing K	124152
0.0001383	204847_at	0.67	ZBTB11	Zinc finger and BTB domain containing 11	27107
0.0003574	202832_at	0.67	GCC2	GRIP and coiled-coil domain containing 2	9648
0.000653	215596_s_at	0.67	RNF160	Ring finger protein 160	26046
0.001181	212893_at	0.67	ZZZ3	Zinc finger, ZZ-type containing 3	26009
0.003117	213750_at	0.67	RSL1D1	Ribosomal L1 domain containing 1	26156
0.0043252	213122_at	0.67	TSPYL5	TSPY-like 5	85453
0.005083	212798_s_at	0.67	ANKMY2	Ankyrin repeat and MYND domain containing 2	57037
0.0051181	203721_s_at	0.67	UTP18	UTP18, small subunit (SSU) processome component, homolog (yeast)	51096
8.22E-05	202220_at	0.66	KIAA0907	Kiaa0907	22889
0.0011107	204808_s_at	0.66	TMEM5	Transmembrane protein 5	10329
0.0014713	203786_s_at	0.66	TPD52L1	Tumor protein D52-like 1	7164
0.001687	219913_s_at	0.66	CRNKL1	Crooked neck pre-mrna splicing factor-like 1 (Drosophila)	51340
0.0036368	209031_at	0.66	CADM1	Cell adhesion molecule 1	23705
0.0043569	205198_s_at	0.66	ATP7A	Atpase, Cu <sup>++</sup> transporting, alpha polypeptide	538
0.0048097	203124_s_at	0.66	SLC11A2	Solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	4891
0.0059936	204019_s_at	0.66	SH3YL1	SH3 domain containing, Ysc84-like 1 (S. Cerevisiae)	26751
0.0060108	200017_at	0.66	RPS27A	Ribosomal protein s27a	6233
0.008052	208778_s_at	0.66	TCP1	T-complex 1	6950
0.0089502	212907_at	0.66	SLC30A1	Solute carrier family 30 (zinc transporter), member 1	7779
0.000289	207956_x_at	0.65	PDS5B	PDS5, regulator of cohesion maintenance, homolog B (S. Cerevisiae)	23047
0.0003024	218851_s_at	0.65	WDR33	WD repeat domain 33	55339
0.000376	209094_at	0.65	DDAH1	Dimethylargininedimethylaminohydrolase 1	23576
0.0007273	210346_s_at	0.65	CLK4	CDC-like kinase 4	57396
0.0013431	220350_at	0.65	ZNF235	Zinc finger protein 235	9310
0.0014917	214820_at	0.65	BRWD1	Bromodomain and WD repeat domain containing 1	54014
0.0019509	201341_at	0.65	ENC1	Ectodermal-neural cortex 1 (with BTB-like domain)	8507
0.0020799	212810_s_at	0.65	SLC1A4	Solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	6509
0.0024129	201022_s_at	0.65	DSTN	Destrin (actin depolymerizing factor)	11034

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
5.81E-05	212204_at	0.64	TMEM87A	Transmembrane protein 87A	25963
0.0002063	205928_at	0.64	ZNF443	Zinc finger protein 443	10224
0.0002926	208796_s_at	0.64	CCNG1	Cyclin G1	900
0.0003559	202413_s_at	0.64	USP1	Ubiquitin specific peptidase 1	7398
0.0017344	213423_x_at	0.64	TUSC3	Tumor suppressor candidate 3	7991
0.0018653	202193_at	0.64	LIMK2	LIM domain kinase 2	3985
0.00203	202023_at	0.64	EFNA1	Ephrin-A1	1942
0.0022985	209705_at	0.64	MTF2	Metal response element binding transcription factor 2	22823
0.0096493	220770_s_at	0.64	C5orf54	Chromosome 5 open reading frame 54	63920
0.000354	214948_s_at	0.63	TMF1	TATA element modulatory factor 1	7110
0.0007231	218853_s_at	0.63	MOSPD1	Motile sperm domain containing 1	56180
0.0009162	218846_at	0.63	MED23	Mediator complex subunit 23	9439
0.0011706	219130_at	0.63	CCDC76	Coiled-coil domain containing 76	54482
0.002169	204199_at	0.63	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1	9649
0.0025367	209647_s_at	0.63	SOCS5	Suppressor of cytokine signaling 5	9655
0.0059208	202221_s_at	0.63	EP300	E1A binding protein p300	2033
0.0073448	219855_at	0.63	NUDT11	Nudix (nucleoside diphosphate linked moiety X)-type motif 11	55190
0.0078162	208798_x_at	0.63	GOLGA8A	Golgin A8 family, member A	23015
9.11E-05	214281_s_at	0.62	RCHY1	Ring finger and CHY zinc finger domain containing 1	25898
0.0007723	206976_s_at	0.62	HSPH1	Heat shock 105kda/110kda protein 1	10808
0.0008214	218972_at	0.62	TTC17	Tetratricopeptide repeat domain 17	55761
0.0023095	201660_at	0.62	ACSL3	Acyl-coa synthetase long-chain family member 3	2181
0.0007369	219515_at	0.61	PRDM10	PR domain containing 10	56980
0.0008089	201599_at	0.61	OAT	Ornithine aminotransferase	4942
0.0013646	209300_s_at	0.61	NECAP1	NECAP endocytosis associated 1	25977
0.0022228	209434_s_at	0.61	PPAT	Phosphoribosyl pyrophosphate amidotransferase	5471
0.0031721	203216_s_at	0.61	MYO6	Myosin VI	4646
0.0042843	210108_at	0.61	CACNA1D	Calcium channel, voltage-dependent, L type, alpha 1D subunit	776
0.0044061	209498_at	0.61	CEACAM1	Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	634
0.0048532	208886_at	0.61	H1F0	H1 histone family, member 0	3005
0.0074809	214745_at	0.61	PLCH1	Phospholipase C, eta 1	23007
0.0083588	203892_at	0.61	WFDC2	WAP four-disulfide core domain 2	10406
0.0002486	209007_s_at	0.6	C1orf63	Chromosome 1 open reading frame 63	57035
0.0013915	213248_at	0.6	LOC730101	Hypothetical LOC730101	730101
0.0006608	219635_at	0.59	ZNF606	Zinc finger protein 606	80095
0.0007157	203038_at	0.59	PTPRK	Protein tyrosine phosphatase, receptor type, K	5796

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0.0017962	202704_at	0.59	TOB1	Transducer of ERBB2, 1	10140
0.0051529	217800_s_at	0.59	NDFIP1	Nedd4 family interacting protein 1	80762
0.0065658	201005_at	0.59	CD9	CD9 molecule	928
0.0082324	209791_at	0.59	PADI2	Peptidyl arginine deiminase, type II	11240
8.74E-05	204523_at	0.58	ZNF140	Zinc finger protein 140	7699
0.0034209	204170_s_at	0.58	CKS2	CDC28 protein kinase regulatory subunit 2	1164
0.0039947	219048_at	0.58	PIGN	Phosphatidylinositol glycan anchor biosynthesis, class N	23556
2.23E-05	212673_at	0.57	METAP1	Methionylaminopeptidase 1	23173
0.0017318	219474_at	0.57	C3orf52	Chromosome 3 open reading frame 52	79669
0.0018376	201939_at	0.57	PLK2	Polo-like kinase 2	10769
0.0032167	218706_s_at	0.57	GRAMD3	GRAM domain containing 3	65983
0.0060211	213900_at	0.57	FAM189A2	Family with sequence similarity 189, member A2	9413
0.0062215	210425_x_at	0.57	GOLGA8B	Golgin A8 family, member B	440270
0.0066925	205739_x_at	0.57	ZNF107	Zinc finger protein 107	51427
0.0030753	220147_s_at	0.56	FAM60A	Family with sequence similarity 60, member A	58516
0.0076385	209343_at	0.56	EFHD1	EF-hand domain family, member D1	80303
0.0011546	213222_at	0.55	PLCB1	Phospholipase C, beta 1 (phosphoinositide-specific)	23236
0.0027957	203726_s_at	0.55	LAMA3	Laminin, alpha 3	3909
0.0033931	210074_at	0.55	CTSL2	Cathepsin L2	1515
0.0078769	213992_at	0.55	COL4A6	Collagen, type IV, alpha 6	1288
6.88E-05	219123_at	0.54	ZNF232	Zinc finger protein 232	7775
0.005546	213285_at	0.54	TMEM30B	Transmembrane protein 30B	161291
0.0004147	212828_at	0.53	SYNJ2	Synaptojanin 2	8871
0.0063711	203304_at	0.53	BAMBI	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)	25805
0.003468	205780_at	0.52	BIK	BCL2-interacting killer (apoptosis-inducing)	638
0.000181	213107_at	0.51	TNIK	TRAF2 and NCK interacting kinase	23043
0.0014359	218888_s_at	0.51	NETO2	Neuropilin (NRP) and tolloid (TLL)-like 2	81831
0.0031682	219115_s_at	0.51	IL20RA	Interleukin 20 receptor, alpha	53832
0.0076107	212281_s_at	0.51	TMEM97	Transmembrane protein 97	27346
6.57E-05	221207_s_at	0.5	NBEA	Neurobeachin	26960
0.000962	205347_s_at	0.5	TMSB15A	Thymosin beta 15a	11013
0.0022335	209905_at	0.5	HOXA9	Homeobox A9	3205
0.0019723	211423_s_at	0.49	SC5DL	Sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. Cerevisiae)-like	6309
4.63E-05	205352_at	0.48	SERPINI1	Serpin peptidase inhibitor, clade I (neuroserpin), member 1	5274
0.0011784	203019_x_at	0.48	SSX2IP	Synovial sarcoma, X breakpoint 2 interacting protein	117178
0.0057378	209842_at	0.48	SOX10	SRY (sex determining region Y)-box 10	6663
0.0061029	218824_at	0.48	PNMAL1	PNMA-like 1	55228

<b>P value</b>	<b>ProbeSet</b>	<b>Fold change</b>	<b>Symbol</b>	<b>Name</b>	<b>EntrezID</b>
0.0039497	219388_at	0.46	GRHL2	Grainyhead-like 2 (Drosophila)	79977
0.0049876	202421_at	0.46	IGSF3	Immunoglobulin superfamily, member 3	3321
0.0088742	204304_s_at	0.46	PROM1	Prominin 1	8842
0.0036764	201952_at	0.45	ALCAM	Activated leukocyte cell adhesion molecule	214
0.0014319	218330_s_at	0.44	NAV2	Neuron navigator 2	89797
0.0062671	201510_at	0.44	ELF3	E74-like factor 3 (ets domain transcription factor, epithelial-specific )	1999
0.0036444	208165_s_at	0.43	PRSS16	Protease, serine, 16 (thymus)	10279
0.001003	203638_s_at	0.42	FGFR2	Fibroblast growth factor receptor 2	2263
0.0006028	206104_at	0.4	ISL1	ISL LIM homeobox 1	3670
0.0008903	203961_at	0.4	NEBL	Nebulette	10529
0.003733	219476_at	0.4	C1orf116	Chromosome 1 open reading frame 116	79098
0.0059133	204675_at	0.39	SRD5A1	Steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	6715
0.0053829	202936_s_at	0.38	SOX9	SRY (sex determining region Y)-box 9	6662
0.0088267	203397_s_at	0.37	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (galnac-T3)	2591
0.0039678	213695_at	0.35	PON3	Paraoxonase 3	5446
0.0087213	221215_s_at	0.34	RIPK4	Receptor-interacting serine-threonine kinase 4	54101
<b>0.0082786</b>	<b>205030_at</b>	<b>0.32</b>	<b>FABP7</b>	<b>Fatty acid binding protein 7, brain</b>	<b>2173</b>
<b>0.0085717</b>	<b>220625_s_at</b>	<b>0.29</b>	<b>ELF5</b>	<b>E74-like factor 5 (ets domain transcription factor)</b>	<b>2001</b>
<b>0.0056993</b>	<b>214087_s_at</b>	<b>0.28</b>	<b>MYBPC1</b>	<b>Myosin binding protein C, slow type</b>	<b>4604</b>
<b>0.000214</b>	<b>204259_at</b>	<b>0.26</b>	<b>MMP7</b>	<b>Matrix metalloproteinase 7 (matrilysin, uterine)</b>	<b>4316</b>
<b>0.0098447</b>	<b>214598_at</b>	<b>0.26</b>	<b>CLDN8</b>	<b>Claudin 8</b>	<b>9073</b>
<b>0.0002724</b>	<b>209480_at</b>	<b>0.13</b>	<b>HLA-DQB1</b>	<b>Major histocompatibility complex, class II, DQ beta 1</b>	<b>3119</b>
0.0003475	213831_at	0.12	HLA-DQA1	Major histocompatibility complex, class II, DQ alpha 1	3117