

Table S3. Significance Analysis of Microarrays (SAM) results of mRNA expression levels in primary melanomas associated most significantly with patient survival (lower expression in cases with short survival).

Gene	Gene description	Gene ID	SAM score	False discovery rate q-value	Mean expression		Fold Dead vs alive	Fold Primary melanomas vs benign nevi	Fold Melanoma cells vs melanocytes
					Alive	Dead			
<i>KRT10</i>	keratin 10	210633_x_at	-3.327	0.001	10758	6829	-1.6	-1.2	1.2
<i>NCOA4</i>	nuclear receptor coactivator 4	210774_s_at	-3.090	0.001	3899	2582	-1.5	-1.0	-2.8
<i>SCP2</i>	sterol carrier protein 2	211733_x_at	-3.085	0.001	2263	1370	-1.7	1.2	-3.4
<i>FOXN3</i>	forkhead box N3	222494_at	-3.061	0.001	870	495	-1.8	-1.8	-2.3
<i>MTSS1</i>	MTSS I-BAR domain containing 1	203037_s_at	-3.058	0.001	1394	793	-1.8	-1.1	-4.6
<i>ANXA4</i>	annexin A4	201302_at	-2.884	0.001	1261	741	-1.7	-1.3	-5.9
<i>REEP5</i>	receptor accessory protein 5	208873_s_at	-2.870	0.001	971	499	-1.9	-1.1	-1.9
<i>FBXL3</i>	F-box and leucine rich repeat protein 3	225132_at	-2.812	0.001	1402	828	-1.7	-1.2	-1.0
<i>CAST</i>	calpastatin	212586_at	-2.804	0.001	2175	1276	-1.7	-1.3	-3.2
<i>CCDC6</i>	coiled-coil domain containing 6	225010_at	-2.794	0.001	1042	574	-1.8	-1.2	1.0
<i>RAB18</i>	RAB18, member RAS oncogene family	224787_s_at	-2.779	0.001	1174	628	-1.9	1.2	-2.0
<i>DMKN</i>	dermokine	226926_at	-2.778	0.001	4644	1525	-3.0	-1.9	-1.2
<i>SLC38A2</i>	solute carrier family 38 member 2	222982_x_at	-2.758	0.001	3170	1877	-1.7	-1.3	-1.2
<i>SHOC2</i>	SHOC2 leucine rich repeat scaffold protein	202777_at	-2.754	0.001	581	340	-1.7	1.1	-1.7
<i>PNRC2</i>	proline rich nuclear receptor coactivator 2	217779_s_at	-2.736	0.001	1307	853	-1.5	1.1	1.0
<i>HIPK3</i>	homeodomain interacting protein kinase 3	226297_at	-2.736	0.001	1930	1038	-1.9	1.0	-1.0
<i>EGFR</i>	epidermal growth factor receptor	201983_s_at	-2.710	0.001	1503	475	-3.2	-2.0	1.4
<i>RAP2A</i>	RAP2A, member of RAS oncogene family	225585_at	-2.701	0.001	845	434	-1.9	1.4	-3.4
<i>FAM126A</i>	family with sequence similarity 126 member A	227239_at	-2.690	0.001	1102	481	-2.3	1.7	1.2
<i>TUFT1</i>	tuftelin 1	205807_s_at	-2.680	0.001	953	376	-2.5	-1.5	-5.5
<i>DSC3</i>	desmocollin 3	206033_s_at	-2.665	0.001	2461	543	-4.5	-1.8	1.0
<i>PERP</i>	p53 apoptosis effector related to PMP22	222392_x_at	-2.661	0.001	8938	5018	-1.8	-1.3	2.4

<i>SNHG5</i>	small nucleolar RNA host gene 5	225155_at	-2.660	0.001	3572	1767	-2.0	-1.4	2.4
<i>HOPX</i>	HOP homeobox	211597_s_at	-2.649	0.001	5113	1635	-3.1	-1.8	-1.1
<i>GSTA4</i>	glutathione S-transferase alpha 4	202967_at	-2.649	0.001	1543	699	-2.2	-1.5	-5.3
<i>TM9SF3</i>	transmembrane 9 superfamily member 3	224755_at	-2.647	0.001	753	393	-1.9	-1.4	1.1
<i>SLC30A1</i>	solute carrier family 30 member 1	212907_at	-2.643	0.001	1675	703	-2.4	1.6	2.0
<i>CLDN1</i>	claudin 1	222549_at	-2.643	0.001	1713	337	-5.1	-2.1	1.5
<i>PTBP3</i>	polypyrimidine tract binding protein 3	224617_at	-2.640	0.001	1759	996	-1.8	1.0	1.5
<i>CMPK1</i>	cytidine/uridine monophosphate kinase 1	217870_s_at	-2.637	0.001	1488	769	-1.9	1.1	1.1
<i>NR3C1</i>	nuclear receptor subfamily 3 group C member 1	216321_s_at	-2.632	0.001	844	508	-1.7	-1.5	-1.7
<i>RIOK3</i>	RIO kinase 3	202130_at	-2.628	0.001	1205	674	-1.8	1.3	1.7
<i>C11orf58</i>	chromosome 11 open reading frame 58	225811_at	-2.619	0.001	569	339	-1.7	-1.6	-1.2
<i>CXADR</i>	CXADR Ig-like cell adhesion molecule	203917_at	-2.606	0.001	1950	548	-3.6	-1.2	-1.1
<i>SPIN1</i>	spindlin 1	222431_at	-2.606	0.001	999	645	-1.5	-1.2	1.0
<i>KRTDAP</i>	keratinocyte differentiation associated protein	230835_at	-2.605	0.001	11301	5671	-2.0	-1.3	-1.0
<i>ASPRV1</i>	aspartic peptidase retroviral like 1	235514_at	-2.586	0.001	5419	2056	-2.6	-1.1	-1.1
<i>SLK</i>	STE20 like kinase	206874_s_at	-2.577	0.001	545	276	-2.0	-1.2	-2.6
<i>KRT5</i>	keratin 5	201820_at	-2.574	0.001	9290	4739	-2.0	-1.6	1.3
<i>TACSTD2</i>	tumor associated calcium signal transducer 2	202286_s_at	-2.572	0.001	5283	1898	-2.8	-1.5	-1.1
<i>CERS6</i>	ceramide synthase 6	212442_s_at	-2.571	0.001	786	461	-1.7	-1.5	1.9
<i>DDX3X</i>	DEAD-box helicase 3 X-linked	212515_s_at	-2.559	0.001	1064	633	-1.7	1.0	1.1
<i>TOB1</i>	transducer of ERBB2, 1	202704_at	-2.556	0.001	1330	659	-2.0	-1.0	-2.6
<i>TYRP1</i>	tyrosinase related protein 1	205694_at	-2.552	0.001	8111	3204	-2.5	-1.4	-267.4
<i>RNF141</i>	ring finger protein 141	226106_at	-2.545	0.001	984	418	-2.4	-1.3	-1.9
<i>TMEM106B</i>	transmembrane protein 106B	226529_at	-2.537	0.001	1159	546	-2.1	1.1	-1.3
<i>TP63</i>	tumor protein p63	209863_s_at	-2.528	0.001	1485	413	-3.6	-2.0	1.3
<i>PDCD4</i>	programmed cell death 4	212593_s_at	-2.524	0.001	1865	1085	-1.7	-1.4	-1.5
<i>KRT1</i>	keratin 1	205900_at	-2.521	0.001	13309	7534	-1.8	-1.4	1.2
<i>CCNG2</i>	cyclin G2	202769_at	-2.521	0.001	627	345	-1.8	-1.1	-3.0
<i>AK3</i>	adenylate kinase 3	224655_at	-2.506	0.001	1842	1039	-1.8	1.1	-2.8

<i>TMEM45A</i>	transmembrane protein 45A	219410_at	-2.502	0.001	7233	3294	-2.2	-1.1	5.5
<i>CD44</i>	CD44 molecule (Indian blood group)	217523_at	-2.498	0.001	999	364	-2.7	1.5	1.2
<i>FCHO2</i>	FCH domain only 2	228220_at	-2.494	0.001	660	313	-2.1	1.4	-1.5
<i>KMT5B</i>	lysine methyltransferase 5B	218242_s_at	-2.488	0.001	763	458	-1.7	1.0	-2.1
<i>LCE1B</i>	late cornified envelope 1B	1560531_at	-2.477	0.001	3484	1080	-3.2	-1.5	ND
<i>OTUD1</i>	OTU deubiquitinase 1	226140_s_at	-2.476	0.001	558	354	-1.6	-1.7	-4.3
<i>GNAI1</i>	G protein subunit alpha i1	227692_at	-2.476	0.001	745	234	-3.2	-1.4	1.0
<i>LOR</i>	loricrin	207720_at	-2.470	0.001	9162	3873	-2.4	-1.7	1.0
<i>ALDH2</i>	aldehyde dehydrogenase 2 family member	201425_at	-2.464	0.001	2165	890	-2.4	-1.4	-1.2
<i>YBX3</i>	Y-box binding protein 3	201161_s_at	-2.463	0.001	2666	1525	-1.7	-1.5	2.1
<i>FLG2</i>	filaggrin family member 2	1569410_at	-2.463	0.001	5599	1736	-3.2	-1.6	ND
<i>FLG</i>	filaggrin	215704_at	-2.461	0.001	5199	2438	-2.1	-1.2	1.0
<i>TXNIP</i>	thioredoxin interacting protein	201010_s_at	-2.461	0.001	4016	2639	-1.5	-1.6	-4.8
<i>SEMA3C</i>	semaphorin 3C	203789_s_at	-2.460	0.001	1491	713	-2.1	-1.3	-3.2
<i>GJA1</i>	gap junction protein alpha 1	201667_at	-2.456	0.001	6420	3075	-2.1	-1.1	-1.0
<i>CMTM6</i>	CKLF like MARVEL transmembrane domain containing 6	217947_at	-2.454	0.001	3109	2063	-1.5	1.2	2.3
<i>DSP</i>	desmoplakin	200606_at	-2.450	0.001	7193	4008	-1.8	-1.5	1.1
<i>GCLC</i>	glutamate-cysteine ligase catalytic subunit	202923_s_at	-2.449	0.001	634	340	-1.9	1.1	-1.6
<i>KRAS</i>	KRAS proto-oncogene, GTPase	204009_s_at	-2.446	0.001	841	544	-1.5	1.2	-1.4
<i>RORA</i>	RAR related orphan receptor A	226682_at	-2.443	0.001	1174	281	-4.2	-1.7	-1.1
<i>ABI1</i>	abl interactor 1	209028_s_at	-2.438	0.001	692	400	-1.7	-1.2	-2.2
<i>TRIM29</i>	tripartite motif containing 29	202504_at	-2.424	0.001	4915	1817	-2.7	-1.8	1.1
<i>FOSL2</i>	FOS like 2, AP-1 transcription factor subunit	228188_at	-2.423	0.001	582	297	-2.0	-1.2	-1.2
<i>HECA</i>	hdc homolog, cell cycle regulator	218603_at	-2.419	0.001	919	530	-1.7	-1.2	-2.3
<i>CHIC2</i>	cysteine rich hydrophobic domain 2	219492_at	-2.418	0.001	692	378	-1.8	1.1	-1.3
<i>KLF10</i>	Kruppel like factor 10	202393_s_at	-2.414	0.001	1304	806	-1.6	-1.3	2.3
<i>PGRMC2</i>	progesterone receptor membrane component 2	213227_at	-2.412	0.001	828	408	-2.0	-1.7	-3.2
<i>DIPK2A</i>	divergent protein kinase domain 2A	226464_at	-2.409	0.001	693	307	-2.3	-1.1	1.2

<i>FAM8A1</i>	family with sequence similarity 8 member A1	203420_at	-2.404	0.001	798	466	-1.7	-1.0	-1.5
<i>OSBPL8</i>	oxysterol binding protein like 8	212585_at	-2.400	0.001	992	469	-2.1	1.3	-1.2
<i>EIF1AX</i>	eukaryotic translation initiation factor 1A X-linked	201018_at	-2.397	0.001	583	304	-1.9	-1.2	-1.2
<i>ABLIM1</i>	actin binding LIM protein 1	200965_s_at	-2.390	0.001	2014	742	-2.7	-1.6	1.3
<i>FBXO9</i>	F-box protein 9	212987_at	-2.376	0.001	1285	827	-1.6	1.0	-3.0
<i>AHNAK2</i>	AHNAK nucleoprotein 2	212992_at	-2.376	0.001	1369	493	-2.8	-2.9	-1.5
<i>VPS4B</i>	vacuolar protein sorting 4 homolog B	218171_at	-2.372	0.001	879	512	-1.7	-1.0	-1.1
<i>RNF11</i>	ring finger protein 11	208924_at	-2.372	0.001	1248	730	-1.7	1.1	-1.2
<i>BORCS7</i>	BLOC-1 related complex subunit 7	225334_at	-2.370	0.001	760	407	-1.9	1.1	-7.3
<i>SLC25A46</i>	solute carrier family 25 member 46	226831_at	-2.368	0.001	470	216	-2.2	1.4	-2.3
<i>OPTN</i>	optineurin	202073_at	-2.361	0.001	508	309	-1.6	-1.2	-11.5
<i>UBE2K</i>	ubiquitin conjugating enzyme E2 K	225179_at	-2.359	0.001	839	466	-1.8	-1.1	1.4
<i>ALDH3A2</i>	aldehyde dehydrogenase 3 family member A2	202054_s_at	-2.357	0.001	1043	454	-2.3	-2.3	-1.1
<i>IMPA2</i>	inositol monophosphatase 2	203126_at	-2.357	0.001	1390	492	-2.8	-1.3	-2.4
<i>SETD7</i>	SET domain containing 7, histone lysine methyltransferase	224928_at	-2.349	0.001	836	517	-1.6	-1.1	-1.1
<i>KLF3</i>	Kruppel like factor 3	225133_at	-2.347	0.001	1100	535	-2.1	-1.3	-1.8
<i>CXCL14</i>	C-X-C motif chemokine ligand 14	218002_s_at	-2.338	0.001	3655	1715	-2.1	-1.9	3.0
<i>RNF144B</i>	ring finger protein 144B	228153_at	-2.334	0.001	862	386	-2.2	1.1	-2.3
<i>SPINK5</i>	serine peptidase inhibitor, Kazal type 5	205185_at	-2.328	0.001	4916	1419	-3.5	1.0	-1.3
<i>KLK5</i>	kallikrein related peptidase 5	222242_s_at	-2.327	0.001	1826	607	-3.0	-1.3	-1.0
<i>ZBTB33</i>	zinc finger and BTB domain containing 33	226255_at	-2.325	0.001	801	519	-1.5	-1.1	-1.8
<i>TXNDC9</i>	thioredoxin domain containing 9	211758_x_at	-2.319	0.001	823	523	-1.6	1.6	1.5
<i>CAMK1D</i>	calcium/calmodulin dependent protein kinase ID	235626_at	-2.311	0.001	580	248	-2.3	-1.3	-1.2
<i>PPL</i>	periplakin	203407_at	-2.309	0.001	1443	550	-2.6	-1.5	-1.2
<i>DENND4C</i>	DENN domain containing 4C	226867_at	-2.304	0.001	779	417	-1.9	-1.3	-1.7
<i>RAD23B</i>	RAD23 homolog B, nucleotide excision repair protein	223598_at	-2.304	0.001	657	383	-1.7	-1.2	-1.0
<i>ERBB2</i>	erb-b2 receptor tyrosine kinase 2	216836_s_at	-2.302	0.001	815	444	-1.8	-1.5	1.6

<i>LCE2B</i>	late cornified envelope 2B	207710_at	-2.300	0.001	1970	606	-3.2	-1.9	-1.0
<i>RBPJ</i>	recombination signal binding protein for immunoglobulin kappa J region	207785_s_at	-2.294	0.001	794	517	-1.5	-1.1	-1.4
<i>UBE2E2</i>	ubiquitin conjugating enzyme E2 E2	225651_at	-2.294	0.001	613	353	-1.7	-1.0	2.3
<i>JMY</i>	junction mediating and regulatory protein, p53 cofactor	226352_at	-2.294	0.001	599	238	-2.5	1.2	-1.7
<i>NFIB</i>	nuclear factor I B	213029_at	-2.282	0.001	704	319	-2.2	-1.9	-1.4
<i>CLCA2</i>	chloride channel accessory 2	206165_s_at	-2.281	0.001	2739	1044	-2.6	1.1	-1.0
<i>TMEM123</i>	transmembrane protein 123	211967_at	-2.270	0.001	1922	1034	-1.9	1.2	1.6
<i>KIF5B</i>	kinesin family member 5B	224662_at	-2.268	0.001	1497	839	-1.8	1.5	1.8
<i>DST</i>	dystonin	204455_at	-2.266	0.001	1217	311	-3.9	-1.6	1.1
<i>NIPSNAP3A</i>	nipsnap homolog 3A	224436_s_at	-2.264	0.001	519	238	-2.2	1.2	-2.8
<i>OGFRL1</i>	opioid growth factor receptor like 1	226810_at	-2.260	0.001	765	339	-2.3	1.2	1.1
<i>GATA3</i>	GATA binding protein 3	209604_s_at	-2.256	0.001	1610	395	-4.1	-3.2	1.1
<i>PANK3</i>	pantothenate kinase 3	221751_at	-2.253	0.001	939	470	-2.0	1.1	1.2
<i>NDFIP2</i>	Nedd4 family interacting protein 2	224802_at	-2.253	0.001	851	367	-2.3	-1.5	3.4
<i>SBSN</i>	suprabasin	235272_at	-2.252	0.001	4194	1647	-2.5	-1.5	1.1
<i>ARL5A</i>	ADP ribosylation factor like GTPase 5A	218150_at	-2.252	0.001	1824	946	-1.9	1.4	-1.3
<i>UBQLN1</i>	ubiquilin 1	222990_at	-2.249	0.001	1620	1079	-1.5	1.1	-1.3
<i>STK38L</i>	serine/threonine kinase 38 like	212572_at	-2.249	0.001	509	276	-1.8	1.5	-1.4
<i>MOB4</i>	MOB family member 4, phocein	202919_at	-2.247	0.001	682	434	-1.6	1.3	-1.1
<i>VPS36</i>	vacuolar protein sorting 36 homolog	222478_at	-2.247	0.001	700	369	-1.9	-1.2	-1.8
<i>KLF4</i>	Kruppel like factor 4	221841_s_at	-2.246	0.001	3075	1547	-2.0	-1.4	1.4
<i>GJB3</i>	gap junction protein beta 3	205490_x_at	-2.244	0.001	728	302	-2.4	-1.5	-1.1
<i>SH3YL1</i>	SH3 and SYLF domain containing 1	204019_s_at	-2.244	0.001	879	417	-2.1	-1.4	-2.4
<i>CPEB4</i>	cytoplasmic polyadenylation element binding protein 4	224828_at	-2.242	0.001	489	157	-3.1	1.4	-1.4
<i>IRX2</i>	iroquois homeobox 2	228462_at	-2.242	0.001	499	210	-2.4	-1.2	-2.8
<i>GSKIP</i>	GSK3B interacting protein	223239_at	-2.239	0.001	711	417	-1.7	1.7	-1.2
<i>SCAF11</i>	SR-related CTD associated factor 11	206989_s_at	-2.236	0.001	942	600	-1.6	1.3	-1.8
<i>BNIP3L</i>	BCL2 interacting protein 3 like	221478_at	-2.230	0.001	1568	1001	-1.6	1.2	-2.9
<i>NOTCH2NLA</i>	notch 2 N-terminal like A	214722_at	-2.229	0.001	1967	1230	-1.6	1.5	-1.2
<i>IDE</i>	insulin degrading enzyme	203327_at	-2.225	0.001	1304	472	-2.8	-1.1	1.1

<i>DEGS1</i>	delta 4-desaturase, sphingolipid 1	207431_s_at	-2.224	0.001	2263	1086	-2.1	-2.0	1.7
<i>NET1</i>	neuroepithelial cell transforming 1	201830_s_at	-2.220	0.001	906	381	-2.4	-1.4	3.0
<i>LY6D</i>	lymphocyte antigen 6 family member D	206276_at	-2.219	0.001	1575	544	-2.9	-1.6	-1.1
<i>ARRDC4</i>	arrestin domain containing 4	225283_at	-2.215	0.001	697	381	-1.8	-1.2	-7.7
<i>CA12</i>	carbonic anhydrase 12	203963_at	-2.212	0.001	1465	593	-2.5	-1.6	1.9
<i>BCL11A</i>	BAF chromatin remodeling complex subunit BCL11A	222891_s_at	-2.210	0.001	635	152	-4.2	-1.5	-1.3
<i>KLK11</i>	kallikrein related peptidase 11	205470_s_at	-2.204	0.001	874	348	-2.5	-1.6	-1.1
<i>HSPB8</i>	heat shock protein family B (small) member 8	221667_s_at	-2.194	0.001	986	466	-2.1	-1.0	-3.0
<i>KLHL9</i>	kelch like family member 9	213233_s_at	-2.190	0.001	730	458	-1.6	-1.3	-1.9
<i>PLEKHA1</i>	pleckstrin homology domain containing A1	226247_at	-2.189	0.001	763	346	-2.2	-1.3	-1.3
<i>FGFR3</i>	fibroblast growth factor receptor 3	204379_s_at	-2.189	0.001	1189	311	-3.8	-2.7	-1.0
<i>BPIFC</i>	BPI fold containing family C	1555773_at	-2.185	0.001	889	305	-2.9	-1.1	ND
<i>INAVA</i>	innate immunity activator	219010_at	-2.184	0.001	833	302	-2.8	-1.5	1.8
<i>F11R</i>	F11 receptor	223000_s_at	-2.182	0.001	1335	770	-1.7	-1.1	-1.2
<i>KRT80</i>	keratin 80	231849_at	-2.181	0.001	968	294	-3.3	-1.3	1.0
<i>PLAGL1</i>	PLAG1 like zinc finger 1	209318_x_at	-2.179	0.001	826	405	-2.0	-1.3	1.4
<i>IL6ST</i>	interleukin 6 signal transducer	212195_at	-2.176	0.001	1766	1113	-1.6	1.3	2.7
<i>EEA1</i>	early endosome antigen 1	225885_at	-2.176	0.001	557	257	-2.2	1.3	1.2
<i>PLXDC2</i>	plexin domain containing 2	226865_at	-2.175	0.001	642	332	-1.9	-1.1	-1.4
<i>EMP2</i>	epithelial membrane protein 2	225078_at	-2.173	0.001	1280	545	-2.3	-1.7	3.6
<i>BCL6</i>	BCL6 transcription repressor	203140_at	-2.172	0.001	1621	921	-1.8	-1.1	1.6
<i>RMND5A</i>	required for meiotic nuclear division 5 homolog A	212482_at	-2.172	0.001	477	289	-1.6	-1.2	-2.0
<i>PDLIM1</i>	PDZ and LIM domain 1	208690_s_at	-2.172	0.001	2031	1285	-1.6	-1.2	5.9
<i>ESRP1</i>	epithelial splicing regulatory protein 1	225846_at	-2.171	0.001	1254	428	-2.9	-1.1	-6.1
<i>ITSN2</i>	intersectin 2	209898_x_at	-2.171	0.001	875	490	-1.8	1.5	-1.1
<i>MED13</i>	mediator complex subunit 13	201987_at	-2.168	0.001	1055	631	-1.7	1.0	-1.3
<i>GLTP</i>	glycolipid transfer protein	226177_at	-2.167	0.001	4904	2298	-2.1	-1.3	1.5
<i>SPINT2</i>	serine peptidase inhibitor, Kunitz type 2	210715_s_at	-2.165	0.001	935	427	-2.2	-1.5	-1.3
<i>MRTFB</i>	myocardin related transcription factor B	218259_at	-2.165	0.001	693	440	-1.6	1.0	-1.1

<i>SAR1B</i>	secretion associated Ras related GTPase 1B	226742_at	-2.164	0.001	510	294	-1.7	1.0	1.2
<i>KRT23</i>	keratin 23	218963_s_at	-2.158	0.001	1164	296	-3.9	-1.2	1.1
<i>CAV2</i>	caveolin 2	203323_at	-2.157	0.001	1164	668	-1.7	-1.5	-1.8
<i>ZYG11B</i>	zyg-11 family member B, cell cycle regulator	225338_at	-2.157	0.001	447	271	-1.7	1.1	1.1
<i>ETFRF1</i>	electron transfer flavoprotein regulatory factor 1	225469_at	-2.155	0.001	964	575	-1.7	1.1	-1.1
<i>PPP1CB</i>	protein phosphatase 1 catalytic subunit beta	201409_s_at	-2.153	0.001	1578	766	-2.1	1.5	-1.1
<i>MYOF</i>	myoferlin	201798_s_at	-2.153	0.001	1383	876	-1.6	-1.1	17.4
<i>GPR157</i>	G protein-coupled receptor 157	227970_at	-2.153	0.001	574	288	-2.0	-1.4	-1.3
<i>ITPRID2</i>	ITPR interacting domain containing 2	202506_at	-2.152	0.001	1500	943	-1.6	1.0	1.8
<i>CCSER2</i>	coiled-coil serine rich protein 2	209379_s_at	-2.152	0.001	514	284	-1.8	-1.2	-1.2
<i>EGLN3</i>	egl-9 family hypoxia inducible factor 3	219232_s_at	-2.152	0.001	352	138	-2.6	-1.7	-1.5
<i>RAB11FIP1</i>	RAB11 family interacting protein 1	219681_s_at	-2.151	0.001	693	345	-2.0	-1.3	-1.1
<i>SERPINA12</i>	serpin family A member 12	1552544_at	-2.151	0.001	791	283	-2.8	-1.6	ND
<i>RAB27B</i>	RAB27B, member RAS oncogene family	228708_at	-2.149	0.001	1079	279	-3.9	-1.1	1.6
<i>C2orf69</i>	chromosome 2 open reading frame 69	238974_at	-2.148	0.001	832	478	-1.7	1.2	-1.0
<i>LYPLA1</i>	lysophospholipase 1	212449_s_at	-2.145	0.001	1956	952	-2.1	1.4	1.9
<i>SMAD1</i>	SMAD family member 1	210993_s_at	-2.144	0.001	499	270	-1.8	-1.0	-3.2
<i>ZMPSTE24</i>	zinc metalloproteinase STE24	202939_at	-2.143	0.001	1180	780	-1.5	1.2	1.5
<i>CSNK1A1</i>	casein kinase 1 alpha 1	208865_at	-2.143	0.001	2372	1353	-1.8	-1.1	-1.7
<i>SDC1</i>	syndecan 1	201287_s_at	-2.142	0.001	2492	1090	-2.3	-1.5	1.9
<i>EXPH5</i>	exophilin 5	214734_at	-2.142	0.001	831	279	-3.0	-2.8	1.4
<i>SYTL1</i>	synaptotagmin like 1	227134_at	-2.141	0.001	793	223	-3.6	-1.4	1.1
<i>CREG1</i>	cellular repressor of E1A stimulated genes 1	201200_at	-2.140	0.001	3706	2024	-1.8	1.2	-2.0
<i>PTPRF</i>	protein tyrosine phosphatase receptor type F	200636_s_at	-2.139	0.001	1486	691	-2.1	-1.9	13.1
<i>CEBPG</i>	CCAAT enhancer binding protein gamma	225527_at	-2.138	0.001	350	200	-1.8	1.2	1.1
<i>SPOPL</i>	speckle type BTB/POZ protein like	225658_at	-2.136	0.001	424	210	-2.0	1.2	1.1
<i>MBNL1</i>	muscleblind like splicing regulator 1	201153_s_at	-2.136	0.001	1716	1088	-1.6	1.1	-1.1

<i>SMAD5</i>	SMAD family member 5	225223_at	-2.132	0.001	490	258	-1.9	-1.1	-1.0
<i>IFNGR1</i>	interferon gamma receptor 1	211676_s_at	-2.132	0.001	910	589	-1.5	1.6	-1.3
<i>SREK1</i>	splicing regulatory glutamic acid and lysine rich protein 1	212721_at	-2.126	0.001	762	476	-1.6	1.4	-1.5
<i>ASS1</i>	argininosuccinate synthase 1	207076_s_at	-2.125	0.001	502	254	-2.0	-1.9	1.4
<i>CSTA</i>	cystatin A	204971_at	-2.120	0.001	8691	4742	-1.8	1.2	1.2
<i>PIK3R1</i>	phosphoinositide-3-kinase regulatory subunit 1	212240_s_at	-2.119	0.001	1197	649	-1.8	1.3	-1.0
<i>TMTC3</i>	transmembrane and tetratricopeptide repeat containing 3	226604_at	-2.117	0.001	414	136	-3.0	1.0	1.7
<i>KLK7</i>	kallikrein related peptidase 7	205778_at	-2.114	0.001	1925	769	-2.5	1.1	-1.0
<i>PKP1</i>	plakophilin 1	221854_at	-2.114	0.001	2006	828	-2.4	-2.1	1.0
<i>FRMD4B</i>	FERM domain containing 4B	213056_at	-2.111	0.001	522	302	-1.7	-1.5	-1.5
<i>COX7B</i>	cytochrome c oxidase subunit 7B	202110_at	-2.110	0.001	3528	2309	-1.5	1.4	1.2
<i>NXT2</i>	nuclear transport factor 2 like export factor 2	209628_at	-2.109	0.001	317	152	-2.1	1.2	1.0
<i>SMARCA2</i>	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	206542_s_at	-2.107	0.001	535	329	-1.6	-1.5	-2.4
<i>LY6G6C</i>	lymphocyte antigen 6 family member G6C	207114_at	-2.105	0.001	1824	580	-3.1	-1.5	1.1
<i>ANKRD22</i>	ankyrin repeat domain 22	238439_at	-2.100	0.001	556	167	-3.3	1.1	-1.3
<i>JUP</i>	junction plakoglobin	201015_s_at	-2.098	0.001	2595	1188	-2.2	-1.6	-1.3
<i>HSDL2</i>	hydroxysteroid dehydrogenase like 2	209513_s_at	-2.096	0.001	591	288	-2.1	-1.2	-1.2
<i>YES1</i>	YES proto-oncogene 1, Src family tyrosine kinase	202932_at	-2.095	0.001	507	288	-1.8	1.5	2.0
<i>WDR26</i>	WD repeat domain 26	224897_at	-2.094	0.001	822	471	-1.7	1.4	-1.2
<i>EPPK1</i>	epiplakin 1	232164_s_at	-2.088	0.001	1517	503	-3.0	-2.1	-1.0
<i>FBXO3</i>	F-box protein 3	218432_at	-2.085	0.001	467	205	-2.3	1.1	-1.7
<i>CNOT6</i>	CCR4-NOT transcription complex subunit 6	222476_at	-2.083	0.001	400	244	-1.6	-1.1	-1.3
<i>GPBP1L1</i>	GC-rich promoter binding protein 1 like 1	217877_s_at	-2.083	0.001	597	395	-1.5	-1.2	1.1
<i>CRCT1</i>	cysteine rich C-terminal 1	220620_at	-2.081	0.001	803	293	-2.7	-1.2	1.1
<i>FGFR1OP2</i>	FGFR1 oncogene partner 2	233898_s_at	-2.080	0.001	397	216	-1.8	1.2	-1.4

<i>CDC42SE2</i>	CDC42 small effector 2	224709_s_at	-2.079	0.001	801	484	-1.7	1.0	-2.4
<i>TSPAN5</i>	tetraspanin 5	225387_at	-2.078	0.001	348	178	-2.0	-1.2	1.2
<i>IL20RB</i>	interleukin 20 receptor subunit beta	228575_at	-2.078	0.001	503	148	-3.4	-1.8	1.1
<i>DSG1</i>	desmoglein 1	206642_at	-2.077	0.001	2871	963	-3.0	-1.4	1.2
<i>NEBL</i>	nebullette	203962_s_at	-2.077	0.001	571	153	-3.7	-1.5	-1.1
<i>C12orf29</i>	chromosome 12 open reading frame 29	213701_at	-2.076	0.001	440	168	-2.6	-1.1	1.6
<i>EFR3A</i>	EFR3 homolog A	212149_at	-2.074	0.001	1465	964	-1.5	1.1	1.7
<i>ZBTB44</i>	zinc finger and BTB domain containing 44	225845_at	-2.073	0.001	530	212	-2.5	-1.0	-1.1
<i>SCEL</i>	sciellin	206884_s_at	-2.073	0.001	1054	221	-4.8	-1.3	-1.0
<i>CD47</i>	CD47 molecule	226016_at	-2.073	0.001	962	609	-1.6	-1.2	-2.2
<i>GRHL1</i>	grainyhead like transcription factor 1	222830_at	-2.072	0.001	1529	441	-3.5	1.2	1.2
<i>ATP7A</i>	ATPase copper transporting alpha	205197_s_at	-2.071	0.001	553	267	-2.1	1.1	-2.7
<i>SCAMP1</i>	secretory carrier membrane protein 1	212416_at	-2.071	0.001	753	476	-1.6	-1.1	1.3
<i>GOLPH3L</i>	golgi phosphoprotein 3 like	218361_at	-2.071	0.001	413	261	-1.6	-1.0	-1.1
<i>GGCT</i>	gamma-glutamylcyclotransferase	215380_s_at	-2.070	0.001	2675	1479	-1.8	2.0	2.0
<i>TCF4</i>	transcription factor 4	212386_at	-2.068	0.001	1437	848	-1.7	-1.1	3.2
<i>S100A14</i>	S100 calcium binding protein A14	218677_at	-2.067	0.001	1432	707	-2.0	-1.4	1.1
<i>TUT7</i>	terminal uridylyl transferase 7	220933_s_at	-2.064	0.001	729	382	-1.9	1.3	-1.0
<i>CST6</i>	cystatin E/M	206595_at	-2.060	0.001	6510	1369	-4.8	-1.4	-1.3
<i>STRN</i>	striatin	227422_at	-2.059	0.001	300	151	-2.0	-1.0	1.0
<i>LGALS1</i>	galectin like	226188_at	-2.059	0.001	1827	895	-2.0	-1.4	1.2
<i>SEPTIN10</i>	septin 10	212698_s_at	-2.055	0.001	1207	792	-1.5	-1.1	-1.3
<i>FAM126B</i>	family with sequence similarity 126 member B	229460_at	-2.054	0.001	330	134	-2.5	1.9	1.1
<i>HEBP2</i>	heme binding protein 2	203430_at	-2.051	0.001	1576	905	-1.7	-1.2	-1.2
<i>MAST4</i>	microtubule associated serine/threonine kinase family member 4	225611_at	-2.049	0.001	612	259	-2.4	-1.1	-1.5
<i>OXR1</i>	oxidation resistance 1	222553_x_at	-2.049	0.001	519	236	-2.2	1.2	-1.3
<i>PER3</i>	period circadian regulator 3	221045_s_at	-2.048	0.001	380	222	-1.7	1.3	-1.6
<i>CLTB</i>	clathrin light chain B	211043_s_at	-2.045	0.001	1578	834	-1.9	-1.1	-1.2
<i>SMIM14</i>	small integral membrane protein 14	227052_at	-2.045	0.001	707	347	-2.0	-1.1	-3.0
<i>MAF</i>	MAF bZIP transcription factor	209348_s_at	-2.044	0.001	1584	854	-1.9	-1.2	-6.9
<i>KDM7A</i>	lysine demethylase 7A	221778_at	-2.041	0.001	399	240	-1.7	1.2	-1.0

<i>ZNF770</i>	zinc finger protein 770	225517_at	-2.039	0.001	776	352	-2.2	1.2	-1.1
<i>WDR11</i>	WD repeat domain 11	229694_at	-2.039	0.001	483	206	-2.3	2.3	-1.6
<i>MPZL3</i>	myelin protein zero like 3	227747_at	-2.038	0.001	522	144	-3.6	1.0	1.2
<i>PSMD12</i>	proteasome 26S subunit, non-ATPase 12	202353_s_at	-2.036	0.001	590	309	-1.9	1.0	1.7
<i>CAT</i>	catalase	201432_at	-2.035	0.001	2116	1363	-1.6	-1.2	-3.6
<i>RAB25</i>	RAB25, member RAS oncogene family	218186_at	-2.033	0.001	1396	499	-2.8	-1.1	1.0
<i>AQP3</i>	aquaporin 3 (Gill blood group)	39248_at	-2.031	0.001	4125	1810	-2.3	-1.1	1.3
<i>BMPR2</i>	bone morphogenetic protein receptor type 2	225144_at	-2.030	0.001	1044	589	-1.8	1.3	-1.7
<i>CCDC3</i>	coiled-coil domain containing 3	223316_at	-2.028	0.001	1062	489	-2.2	-3.1	1.4
<i>NIPAL2</i>	NIPA like domain containing 2	227001_at	-2.025	0.001	796	297	-2.7	-1.1	-1.0
<i>CDS1</i>	CDP-diacylglycerol synthase 1	205709_s_at	-2.025	0.001	389	104	-3.8	1.1	-1.1
<i>REL</i>	REL proto-oncogene, NF-kB subunit	235242_at	-2.024	0.001	758	400	-1.9	1.2	-1.0
<i>CRYBG1</i>	crystallin beta-gamma domain containing 1	212543_at	-2.023	0.001	1071	477	-2.2	-1.2	1.8
<i>PTPN21</i>	protein tyrosine phosphatase non-receptor type 21	226380_at	-2.021	0.001	345	183	-1.9	-1.6	-2.4
<i>FAM135A</i>	family with sequence similarity 135 member A	223497_at	-2.020	0.001	410	145	-2.8	1.0	-1.2
<i>F2RL1</i>	F2R like trypsin receptor 1	213506_at	-2.020	0.001	494	177	-2.8	-1.6	1.1
<i>LYPD3</i>	LY6/PLAUR domain containing 3	204952_at	-2.019	0.001	3004	1461	-2.1	-1.3	-1.2
<i>PPP3CA</i>	protein phosphatase 3 catalytic subunit alpha	202457_s_at	-2.018	0.001	939	581	-1.6	-1.2	-1.1
<i>ITGB4</i>	integrin subunit beta 4	204990_s_at	-2.017	0.001	494	261	-1.9	-1.8	-1.2
<i>SCNN1A</i>	sodium channel epithelial 1 alpha subunit	203453_at	-2.016	0.001	895	363	-2.5	-1.3	-1.0
<i>PRRG4</i>	proline rich and Gla domain 4	238513_at	-2.015	0.001	682	210	-3.3	-1.2	1.2
<i>MKNK2</i>	MAPK interacting serine/threonine kinase 2	218205_s_at	-2.015	0.001	1977	1303	-1.5	-1.1	-1.9
<i>LIN7C</i>	lin-7 homolog C, crumbs cell polarity complex component	223350_x_at	-2.011	0.001	584	341	-1.7	-1.1	1.3
<i>PNPLA8</i>	patatin like phospholipase domain containing 8	223310_x_at	-2.009	0.001	920	572	-1.6	1.9	-1.2
<i>XG</i>	Xg glycoprotein (Xg blood group)	1554062_at	-2.008	0.001	383	108	-3.6	-1.2	ND

<i>CPEB2</i>	cytoplasmic polyadenylation element binding protein 2	226939_at	-2.005	0.001	1397	582	-2.4	-1.1	-11.9
<i>TAOK1</i>	TAO kinase 1	224769_at	-2.005	0.001	1201	755	-1.6	1.1	1.1
<i>MAL2</i>	mal, T cell differentiation protein 2 (gene/pseudogene)	224650_at	-2.003	0.001	1208	395	-3.1	-1.1	-1.1
<i>SLAIN2</i>	SLAIN motif family member 2	224844_at	-1.999	0.001	482	260	-1.9	-1.1	-1.0
<i>OCLN</i>	occludin	227492_at	-1.999	0.001	333	153	-2.2	-1.2	2.2
<i>IRF6</i>	interferon regulatory factor 6	202597_at	-1.998	0.001	965	444	-2.2	-2.0	-1.1
<i>ANKRD12</i>	ankyrin repeat domain 12	212286_at	-1.996	0.001	305	182	-1.7	1.3	-2.0
<i>FAM177A1</i>	family with sequence similarity 177 member A1	227029_at	-1.995	0.001	654	371	-1.8	-1.0	-1.8
<i>RAPGEFL1</i>	Rap guanine nucleotide exchange factor like 1	218657_at	-1.993	0.001	462	182	-2.5	-1.7	1.0
<i>VAV3</i>	vav guanine nucleotide exchange factor 3	218807_at	-1.992	0.001	491	215	-2.3	-1.5	1.3
<i>CLK4</i>	CDC like kinase 4	210346_s_at	-1.992	0.001	467	237	-2.0	1.6	-1.7
<i>VPS13A</i>	vacuolar protein sorting 13 homolog A	227988_s_at	-1.992	0.001	405	211	-1.9	1.4	1.0
<i>MAPK6</i>	mitogen-activated protein kinase 6	207121_s_at	-1.992	0.001	1354	741	-1.8	1.3	1.2
<i>PARD6G</i>	par-6 family cell polarity regulator gamma	227204_at	-1.991	0.001	647	388	-1.7	-1.7	-2.2
<i>AZGP1</i>	alpha-2-glycoprotein 1, zinc-binding	209309_at	-1.990	0.001	1273	448	-2.8	-1.2	2.0
<i>CCDC186</i>	coiled-coil domain containing 186	227701_at	-1.990	0.001	252	90	-2.8	1.2	-1.1
<i>YTHDC2</i>	YTH domain containing 2	213077_at	-1.988	0.001	364	195	-1.9	1.3	-1.6
<i>TACC2</i>	transforming acidic coiled-coil containing protein 2	202289_s_at	-1.988	0.001	618	231	-2.7	-1.6	1.8
<i>FAM174A</i>	family with sequence similarity 174 member A	226752_at	-1.986	0.001	574	345	-1.7	-1.3	-1.5
<i>CDH1</i>	cadherin 1	201131_s_at	-1.985	0.001	2607	1594	-1.6	-1.0	-94.8
<i>TANK</i>	TRAF family member associated NFKB activator	209451_at	-1.984	0.001	556	367	-1.5	1.8	-1.2
<i>GNA15</i>	G protein subunit alpha 15	205349_at	-1.984	0.001	426	258	-1.7	1.3	-1.2
<i>BLMH</i>	bleomycin hydrolase	202179_at	-1.983	0.001	912	411	-2.2	-1.5	-1.5
<i>SUB1</i>	SUB1 regulator of transcription	221727_at	-1.981	0.001	461	251	-1.8	1.7	-1.0
<i>PROM2</i>	prominin 2	1552797_s_at	-1.978	0.001	737	269	-2.7	-1.3	ND
<i>KLK8</i>	kallikrein related peptidase 8	206125_s_at	-1.977	0.001	1254	594	-2.1	1.1	-1.2

<i>WAPL</i>	WAPL cohesin release factor	212267_at	-1.972	0.001	491	300	-1.6	1.0	-1.3
<i>PPP2R3A</i>	protein phosphatase 2 regulatory subunit B''alpha	209633_at	-1.972	0.001	600	355	-1.7	-1.8	-1.3
<i>CDSN</i>	corneodesmosin	206192_at	-1.969	0.001	1705	752	-2.3	-1.3	1.1
<i>ATL3</i>	atlastin GTPase 3	224893_at	-1.969	0.001	1222	795	-1.5	-1.3	-1.1
<i>COL4A5</i>	collagen type IV alpha 5 chain	213110_s_at	-1.968	0.001	393	113	-3.5	-1.5	1.1
<i>DNAJC21</i>	DnaJ heat shock protein family (Hsp40) member C21	235032_at	-1.964	0.001	429	241	-1.8	1.3	1.0
<i>ETS2</i>	ETS proto-oncogene 2, transcription factor	201328_at	-1.964	0.001	577	304	-1.9	-1.3	1.4
<i>TET3</i>	tet methylcytosine dioxygenase 3	235542_at	-1.963	0.001	393	221	-1.8	-1.3	1.8
<i>QSER1</i>	glutamine and serine rich 1	226265_at	-1.962	0.001	758	442	-1.7	-1.2	2.6
<i>ELOVL7</i>	ELOVL fatty acid elongase 7	227180_at	-1.961	0.001	919	246	-3.7	1.2	1.1
<i>RB1CC1</i>	RB1 inducible coiled-coil 1	202033_s_at	-1.961	0.001	841	425	-2.0	1.7	-1.1
<i>PAWR</i>	pro-apoptotic WT1 regulator	226223_at	-1.960	0.001	665	191	-3.5	1.0	3.2
<i>ZNF782</i>	zinc finger protein 782	228156_at	-1.960	0.001	286	140	-2.0	-1.1	-1.5
<i>CYBRD1</i>	cytochrome b reductase 1	222453_at	-1.959	0.001	1447	876	-1.7	-1.5	1.1
<i>PCMTD1</i>	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	226119_at	-1.959	0.001	763	398	-1.9	1.4	-3.2
<i>RNF217</i>	ring finger protein 217	226885_at	-1.959	0.001	245	81	-3.0	1.1	1.2
<i>USP38</i>	ubiquitin specific peptidase 38	223288_at	-1.959	0.001	470	244	-1.9	1.3	-1.3
<i>C5orf24</i>	chromosome 5 open reading frame 24	224876_at	-1.958	0.001	1069	613	-1.7	-1.0	-1.5
<i>RBM27</i>	RNA binding motif protein 27	225326_at	-1.956	0.001	507	301	-1.7	1.1	1.3
<i>MCUR1</i>	mitochondrial calcium uniporter regulator 1	227451_s_at	-1.956	0.001	460	268	-1.7	-1.1	1.1
<i>GPX3</i>	glutathione peroxidase 3	201348_at	-1.956	0.001	2226	1233	-1.8	-2.1	-1.1
<i>CLIP1</i>	CAP-Gly domain containing linker protein 1	210716_s_at	-1.954	0.001	552	292	-1.9	-1.0	-1.9
<i>ACTR3</i>	actin related protein 3	228603_at	-1.953	0.001	381	203	-1.9	1.4	-1.0
<i>MYCBP2</i>	MYC binding protein 2	201960_s_at	-1.952	0.001	1808	989	-1.8	-1.0	-1.8
<i>LRATD1</i>	LRAT domain containing 1	225667_s_at	-1.951	0.001	1142	447	-2.6	1.0	1.2
<i>KCNK1</i>	potassium two pore domain channel subfamily K member 1	204679_at	-1.950	0.001	440	185	-2.4	-1.2	-1.0

<i>RBBP8</i>	RB binding protein 8, endonuclease	203344_s_at	-1.950	0.001	636	414	-1.5	1.7	1.7
<i>CDHR1</i>	cadherin related family member 1	213369_at	-1.950	0.001	312	117	-2.7	-2.7	1.1
<i>TJP2</i>	tight junction protein 2	202085_at	-1.950	0.001	470	237	-2.0	1.2	-1.2
<i>CLEC2B</i>	C-type lectin domain family 2 member B	209732_at	-1.950	0.001	1379	831	-1.7	1.4	2.5
<i>BAZ1A</i>	bromodomain adjacent to zinc finger domain 1A	217986_s_at	-1.949	0.001	504	295	-1.7	1.8	1.7
<i>CSNK2A2</i>	casein kinase 2 alpha 2	203575_at	-1.948	0.001	670	365	-1.8	-1.3	-3.7
<i>CUL5</i>	cullin 5	203531_at	-1.947	0.001	621	342	-1.8	1.2	1.1
<i>PTPRK</i>	protein tyrosine phosphatase receptor type K	203038_at	-1.947	0.001	640	366	-1.8	1.0	1.5
<i>USO1</i>	USO1 vesicle transport factor	201832_s_at	-1.945	0.001	934	595	-1.6	1.2	1.1
<i>HAL</i>	histidine ammonia-lyase	217521_at	-1.944	0.001	540	208	-2.6	-1.2	1.1
<i>CASP14</i>	caspase 14	231722_at	-1.943	0.001	594	206	-2.9	-1.3	-1.0
<i>GATM</i>	glycine amidinotransferase	216733_s_at	-1.942	0.001	664	295	-2.2	-2.1	-1.9
<i>SULT2B1</i>	sulfotransferase family 2B member 1	205759_s_at	-1.942	0.001	482	183	-2.6	-1.2	1.0
<i>OGA</i>	O-GlcNAcase	223494_at	-1.941	0.001	931	563	-1.7	1.7	-1.2
<i>FGFR2</i>	fibroblast growth factor receptor 2	203638_s_at	-1.939	0.001	422	159	-2.7	-2.7	-1.0
<i>LNPEP</i>	leucyl and cystinyl aminopeptidase	225176_at	-1.939	0.001	764	408	-1.9	-1.0	-1.2
<i>COL17A1</i>	collagen type XVII alpha 1 chain	204636_at	-1.938	0.001	413	163	-2.5	-3.1	-1.0
<i>SDR16C5</i>	short chain dehydrogenase/reductase family 16C member 5	238017_at	-1.937	0.001	1111	349	-3.2	1.0	1.0
<i>PPM1B</i>	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1B	209296_at	-1.936	0.001	616	352	-1.8	1.3	-2.0
<i>DMXL1</i>	Dmx like 1	203791_at	-1.935	0.001	441	197	-2.2	1.0	-11.2
<i>PDZD2</i>	PDZ domain containing 2	209493_at	-1.934	0.001	514	161	-3.2	-1.6	-1.3
<i>RAB3D</i>	RAB3D, member RAS oncogene family	225001_at	-1.934	0.001	749	450	-1.7	-1.6	-1.5
<i>EHF</i>	ETS homologous factor	225645_at	-1.934	0.001	1276	409	-3.1	1.2	3.5
<i>TMEM40</i>	transmembrane protein 40	222892_s_at	-1.934	0.001	770	331	-2.3	1.2	-1.1
<i>POF1B</i>	POF1B actin binding protein	219756_s_at	-1.932	0.001	474	134	-3.5	-1.5	1.0
<i>RPS6KB1</i>	ribosomal protein S6 kinase B1	226660_at	-1.932	0.001	485	277	-1.8	1.3	1.1
<i>CLINT1</i>	clathrin interactor 1	201769_at	-1.931	0.001	1118	667	-1.7	1.2	-1.0
<i>CLK1</i>	CDC like kinase 1	214683_s_at	-1.929	0.001	663	363	-1.8	1.9	-1.2
<i>SH3RF2</i>	SH3 domain containing ring finger 2	243582_at	-1.928	0.001	363	123	-2.9	-1.5	1.3

<i>SGMS1</i>	sphingomyelin synthase 1	212989_at	-1.925	0.001	331	158	-2.1	-1.1	1.4
<i>BCL11B</i>	BAF chromatin remodeling complex subunit BCL11B	222895_s_at	-1.925	0.001	914	378	-2.4	-1.3	-1.0
<i>CRIPAK</i>	cysteine rich PAK1 inhibitor	228318_s_at	-1.923	0.001	520	335	-1.6	1.2	-1.4
<i>GAN</i>	gigaxonin	228567_at	-1.922	0.001	826	194	-4.3	-1.8	1.1
<i>CAPNS2</i>	calpain small subunit 2	223832_s_at	-1.921	0.001	656	221	-3.0	-1.3	1.3
<i>SNX13</i>	sorting nexin 13	227031_at	-1.920	0.001	336	161	-2.1	1.1	-1.3
<i>CREB1</i>	cAMP responsive element binding protein 1	204314_s_at	-1.919	0.001	365	227	-1.6	1.1	-1.2
<i>EXOC1</i>	exocyst complex component 1	222127_s_at	-1.919	0.001	815	489	-1.7	1.3	-2.4
<i>CD2AP</i>	CD2 associated protein	203593_at	-1.918	0.001	363	175	-2.1	1.3	-1.0
<i>TMEM19</i>	transmembrane protein 19	229126_at	-1.915	0.001	469	292	-1.6	-1.2	1.1
<i>AHR</i>	aryl hydrocarbon receptor	202820_at	-1.913	0.001	1341	743	-1.8	1.1	2.0
<i>APCDD1</i>	APC down-regulated 1	225016_at	-1.912	0.001	2294	1201	-1.9	-2.1	-2.4
<i>PRRC1</i>	proline rich coiled-coil 1	224643_at	-1.911	0.001	885	585	-1.5	-1.1	1.0
<i>JAG1</i>	jagged canonical Notch ligand 1	216268_s_at	-1.909	0.001	1901	1091	-1.7	-1.1	-2.0
<i>GID4</i>	GID complex subunit 4 homolog	228452_at	-1.908	0.001	275	163	-1.7	-1.5	-1.5
<i>ARL5B</i>	ADP ribosylation factor like GTPase 5B	226345_at	-1.906	0.001	503	261	-1.9	1.2	2.7
<i>MAN1A1</i>	mannosidase alpha class 1A member 1	221760_at	-1.906	0.001	644	329	-2.0	-1.0	1.2
<i>KLF5</i>	Kruppel like factor 5	209212_s_at	-1.905	0.001	686	275	-2.5	-2.2	1.3
<i>WFDC5</i>	WAP four-disulfide core domain 5	242204_at	-1.903	0.001	873	371	-2.4	-1.9	1.0
<i>STON2</i>	stonin 2	227461_at	-1.903	0.001	277	123	-2.3	1.1	1.3
<i>EBLN3P</i>	endogenous Bornavirus like nucleoprotein 3, pseudogene	226635_at	-1.902	0.001	513	325	-1.6	1.1	1.0
<i>SOWAHC</i>	so sondowah ankyrin repeat domain family member C	227034_at	-1.899	0.001	964	465	-2.1	-1.1	1.8
<i>EPS8L2</i>	EPS8 like 2	218180_s_at	-1.899	0.001	400	193	-2.1	-1.1	-2.3
<i>SERPINB5</i>	serpin family B member 5	204855_at	-1.897	0.001	3069	1324	-2.3	-1.2	1.1
<i>MED13L</i>	mediator complex subunit 13L	212209_at	-1.896	0.001	535	354	-1.5	-1.3	-1.5
<i>ELK4</i>	ETS transcription factor ELK4	225159_s_at	-1.896	0.001	502	321	-1.6	-1.0	1.0
<i>SYNCRIP</i>	synaptotagmin binding cytoplasmic RNA interacting protein	217833_at	-1.894	0.001	707	451	-1.6	-1.6	1.2
<i>PBX1</i>	PBX homeobox 1	212151_at	-1.893	0.001	563	366	-1.5	-1.3	-1.4

<i>CAPZA2</i>	capping actin protein of muscle Z-line subunit alpha 2	201237_at	-1.893	0.001	488	289	-1.7	1.8	-1.2
<i>MFAP3L</i>	microfibril associated protein 3 like	205442_at	-1.892	0.001	609	272	-2.2	-2.2	-1.5
<i>MXD1</i>	MAX dimerization protein 1	226275_at	-1.891	0.001	321	166	-1.9	1.3	-1.3
<i>CRLF3</i>	cytokine receptor like factor 3	205474_at	-1.890	0.001	588	385	-1.5	1.4	1.5
<i>ELL2</i>	elongation factor for RNA polymerase II 2	226099_at	-1.888	0.001	628	303	-2.1	1.8	1.8
<i>SLC31A2</i>	solute carrier family 31 member 2	204204_at	-1.888	0.001	710	378	-1.9	-1.0	-1.0
<i>KIAA1109</i>	KIAA1109	212779_at	-1.888	0.001	464	299	-1.6	1.0	-2.4
<i>KIAA1671</i>	KIAA1671	225525_at	-1.887	0.001	592	322	-1.8	-1.7	1.5
<i>PTGS1</i>	prostaglandin-endoperoxide synthase 1	215813_s_at	-1.884	0.001	564	288	-2.0	-1.9	1.2
<i>SS18</i>	SS18 subunit of BAF chromatin remodeling complex	202817_s_at	-1.884	0.001	341	187	-1.8	1.5	-1.2
<i>MUC15</i>	mucin 15, cell surface associated	227238_at	-1.882	0.001	535	127	-4.2	1.1	1.2
<i>BEX2</i>	brain expressed X-linked 2	224367_at	-1.881	0.001	399	209	-1.9	-1.2	1.1
<i>DSC1</i>	desmocollin 1	207324_s_at	-1.879	0.001	3878	1129	-3.4	-1.3	1.1
<i>TNFSF10</i>	TNF superfamily member 10	202688_at	-1.878	0.001	1473	774	-1.9	1.7	-1.0
<i>LRRC40</i>	leucine rich repeat containing 40	218577_at	-1.878	0.001	421	225	-1.9	2.0	1.5
<i>DSG3</i>	desmoglein 3	235075_at	-1.877	0.001	945	403	-2.3	1.2	-1.2
<i>ZNF750</i>	zinc finger protein 750	219995_s_at	-1.876	0.001	805	276	-2.9	-1.3	-1.0
<i>PIK3C2A</i>	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 alpha	213070_at	-1.876	0.001	599	371	-1.6	1.1	-1.5
<i>TMEM79</i>	transmembrane protein 79	223544_at	-1.875	0.001	665	289	-2.3	-1.1	1.1
<i>APPL2</i>	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 2	218218_at	-1.874	0.001	439	229	-1.9	-1.1	1.2
<i>WDR36</i>	WD repeat domain 36	226180_at	-1.872	0.001	320	150	-2.1	-1.1	2.1
<i>ZDHHC9</i>	zinc finger DHHC-type containing 9	222451_s_at	-1.872	0.001	491	305	-1.6	-1.2	-1.2
<i>CEBPA</i>	CCAAT enhancer binding protein alpha	204039_at	-1.870	0.001	914	495	-1.8	-1.5	-1.1
<i>ID2</i>	inhibitor of DNA binding 2	201565_s_at	-1.869	0.001	1119	745	-1.5	1.2	-2.7
<i>PIIP5K2</i>	diphosphoinositol pentakisphosphate kinase 2	203253_s_at	-1.869	0.001	412	214	-1.9	1.9	-1.6
<i>ZNF431</i>	zinc finger protein 431	232338_at	-1.869	0.001	302	122	-2.5	2.2	1.4
<i>OVOL1</i>	ovo like transcriptional repressor 1	229396_at	-1.868	0.001	701	346	-2.0	-1.5	-1.1

<i>FERMT1</i>	fermitin family member 1	60474_at	-1.868	0.001	335	166	-2.0	-1.4	-1.0
<i>DHX29</i>	DEH-box helicase 29	212648_at	-1.867	0.001	515	338	-1.5	1.5	-1.2
<i>ALDH3B2</i>	aldehyde dehydrogenase 3 family member B2	204942_s_at	-1.867	0.001	1352	391	-3.5	-1.0	1.1
<i>DAAM1</i>	dishevelled associated activator of morphogenesis 1	216060_s_at	-1.866	0.001	570	278	-2.1	-1.3	-1.2
<i>PPP2CA</i>	protein phosphatase 2 catalytic subunit alpha	238719_at	-1.865	0.001	263	142	-1.8	-1.2	-1.1
<i>TINCR</i>	TINCR ubiquitin domain containing	229385_s_at	-1.865	0.001	464	155	-3.0	-2.2	-1.1
<i>ARL4A</i>	ADP ribosylation factor like GTPase 4A	205020_s_at	-1.864	0.001	800	505	-1.6	-1.0	2.0
<i>MCC</i>	MCC regulator of WNT signaling pathway	226225_at	-1.862	0.001	476	225	-2.1	-1.7	-2.8
<i>MIER1</i>	MIER1 transcriptional regulator	225475_at	-1.862	0.001	344	205	-1.7	1.8	-1.1
<i>EPHB6</i>	EPH receptor B6	204718_at	-1.860	0.001	511	178	-2.9	-2.1	-1.2
<i>BICD2</i>	BICD cargo adaptor 2	213154_s_at	-1.857	0.001	1183	668	-1.8	-1.1	-1.2
<i>CLIC3</i>	chloride intracellular channel 3	219529_at	-1.856	0.001	632	218	-2.9	-1.0	1.1
<i>VSNL1</i>	visinin like 1	203797_at	-1.854	0.001	570	241	-2.4	1.1	1.1
<i>KDSR</i>	3-ketodihydrosphingosine reductase	229850_at	-1.854	0.001	344	195	-1.8	-1.5	-2.2
<i>SERBP1</i>	SERPINE1 mRNA binding protein 1	227369_at	-1.851	0.001	477	252	-1.9	-1.2	2.4
<i>CCND2</i>	cyclin D2	200953_s_at	-1.851	0.001	950	486	-2.0	-1.5	-1.1
<i>SPTSSA</i>	serine palmitoyltransferase small subunit A	213508_at	-1.850	0.001	759	485	-1.6	-1.3	-1.8
<i>ACAP2</i>	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	212476_at	-1.850	0.001	550	357	-1.5	1.1	-1.2
<i>FGL2</i>	fibrinogen like 2	227265_at	-1.850	0.001	1393	655	-2.1	1.7	1.1
<i>KITLG</i>	KIT ligand	226534_at	-1.849	0.001	557	286	-1.9	1.2	5.0
<i>REEP3</i>	receptor accessory protein 3	225785_at	-1.849	0.001	472	300	-1.6	1.2	1.9
<i>SOX7</i>	SRY-box 7	228698_at	-1.849	0.001	760	328	-2.3	1.1	1.2
<i>C1orf116</i>	chromosome 1 open reading frame 116	219476_at	-1.848	0.001	523	196	-2.7	-1.5	1.1
<i>BNIP1</i>	BCL2 interacting protein like	236534_at	-1.848	0.001	479	163	-2.9	-1.3	1.0
<i>SPTBN2</i>	spectrin beta, non-erythrocytic 2	231311_at	-1.846	0.001	409	147	-2.8	-2.0	1.0
<i>UBLCP1</i>	ubiquitin like domain containing CTD phosphatase 1	227413_at	-1.845	0.001	558	315	-1.8	1.9	1.1

<i>HLA-DQB2</i>	major histocompatibility complex, class II, DQ beta 2	215536_at	-1.844	0.001	614	249	-2.5	-1.6	-1.6
<i>CBR4</i>	carbonyl reductase 4	213626_at	-1.844	0.001	277	146	-1.9	-1.4	-2.9
<i>SOX9</i>	SRY-box 9	202935_s_at	-1.842	0.001	978	318	-3.1	-1.9	-1.1
<i>DOCK9</i>	dedicator of cytokinesis 9	212538_at	-1.842	0.001	847	435	-1.9	1.3	-1.1
<i>GPR87</i>	G protein-coupled receptor 87	219936_s_at	-1.841	0.001	499	150	-3.3	1.2	-1.1
<i>LMBRD2</i>	LMBR1 domain containing 2	226779_at	-1.841	0.001	453	230	-2.0	1.4	1.0
<i>PRPS2</i>	phosphoribosyl pyrophosphate synthetase 2	230352_at	-1.841	0.001	394	222	-1.8	1.0	1.0
<i>SORD</i>	sorbitol dehydrogenase	201563_at	-1.839	0.001	823	371	-2.2	-1.2	-1.3
<i>ZHX1</i>	zinc fingers and homeoboxes 1	223214_s_at	-1.838	0.001	331	154	-2.2	1.3	-2.4
<i>GALNT1</i>	polypeptide N-acetylgalactosaminyltransferase 1	201724_s_at	-1.837	0.001	623	364	-1.7	1.2	-1.6
<i>MOSPD1</i>	motile sperm domain containing 1	1557455_s_at	-1.837	0.001	331	198	-1.7	1.2	ND
<i>LYSMD3</i>	LysM domain containing 3	226321_at	-1.833	0.001	255	117	-2.2	1.3	1.0
<i>PDZK1IP1</i>	PDZK1 interacting protein 1	219630_at	-1.832	0.001	685	323	-2.1	1.2	1.1
<i>ASF1A</i>	anti-silencing function 1A histone chaperone	203427_at	-1.831	0.001	333	164	-2.0	-1.1	-1.2
<i>CALML5</i>	calmodulin like 5	220414_at	-1.830	0.001	4377	1908	-2.3	1.4	-1.1
<i>KRT2</i>	keratin 2	207908_at	-1.829	0.001	5680	2068	-2.7	-2.1	-1.1
<i>ACER1</i>	alkaline ceramidase 1	1553929_at	-1.829	0.001	381	142	-2.7	-1.3	ND
<i>PIAS1</i>	protein inhibitor of activated STAT 1	217862_at	-1.828	0.001	516	340	-1.5	1.1	-1.9
<i>FBXO45</i>	F-box protein 45	225099_at	-1.826	0.001	708	372	-1.9	1.9	1.5
<i>IL1RN</i>	interleukin 1 receptor antagonist	212657_s_at	-1.825	0.001	1035	620	-1.7	-1.1	1.3
<i>MAP7</i>	microtubule associated protein 7	202890_at	-1.824	0.001	454	179	-2.5	1.1	1.0
<i>ABCA12</i>	ATP binding cassette subfamily A member 12	215465_at	-1.823	0.001	528	153	-3.5	1.3	-1.0
<i>USP31</i>	ubiquitin specific peptidase 31	226035_at	-1.821	0.001	621	396	-1.6	-1.1	1.4
<i>TRPS1</i>	transcriptional repressor GATA binding 1	222651_s_at	-1.816	0.001	642	389	-1.7	1.2	1.3
<i>ATL2</i>	atlastin GTPase 2	222700_at	-1.815	0.001	930	516	-1.8	1.6	2.5
<i>CERS3</i>	ceramide synthase 3	1554252_a_at	-1.814	0.001	407	140	-2.9	-1.4	ND
<i>MIB1</i>	mindbomb E3 ubiquitin protein ligase 1	224720_at	-1.811	0.001	444	227	-2.0	1.1	-1.1
<i>JMJD1C</i>	jumonji domain containing 1C	221763_at	-1.810	0.001	487	307	-1.6	1.2	1.5

<i>ZNF644</i>	zinc finger protein 644	222580_at	-1.810	0.001	436	288	-1.5	1.3	-1.1
<i>BTBD11</i>	BTB domain containing 11	228570_at	-1.809	0.001	248	110	-2.3	-1.4	1.2
<i>AEBP2</i>	AE binding protein 2	225889_at	-1.809	0.001	486	237	-2.0	1.1	1.2
<i>AFDN</i>	afadin, adherens junction formation factor	224685_at	-1.808	0.001	848	505	-1.7	1.1	2.0
<i>FAM110C</i>	family with sequence similarity 110 member C	226863_at	-1.806	0.001	316	100	-3.2	1.4	-1.3
<i>CNIH1</i>	cornichon family AMPA receptor auxiliary protein 1	225553_at	-1.804	0.001	556	370	-1.5	-1.5	1.1
<i>CHP2</i>	calcineurin like EF-hand protein 2	206149_at	-1.802	0.001	320	112	-2.9	-4.5	-1.1
<i>STAM2</i>	signal transducing adaptor molecule 2	209649_at	-1.802	0.001	345	190	-1.8	1.4	1.2
<i>SGPL1</i>	sphingosine-1-phosphate lyase 1	212321_at	-1.801	0.001	468	298	-1.6	-1.4	-1.6
<i>PPP4R3A</i>	protein phosphatase 4 regulatory subunit 3A	220368_s_at	-1.800	0.001	399	255	-1.6	1.1	1.0
<i>CDKN2B</i>	cyclin dependent kinase inhibitor 2B	236313_at	-1.800	0.001	442	134	-3.3	1.6	1.9
<i>CD24</i>	CD24 molecule	209771_x_at	-1.799	0.001	2616	1295	-2.0	2.0	-1.0
<i>IFFO2</i>	intermediate filament family orphan 2	225615_at	-1.798	0.001	895	489	-1.8	-1.5	1.9
<i>CDK7</i>	cyclin dependent kinase 7	211297_s_at	-1.797	0.001	375	244	-1.5	1.4	1.5
<i>NDFIP1</i>	Nedd4 family interacting protein 1	222423_at	-1.797	0.001	634	421	-1.5	-1.1	-2.8
<i>FAM83B</i>	family with sequence similarity 83 member B	232202_at	-1.797	0.001	599	205	-2.9	-1.5	1.1
<i>EPHX3</i>	epoxide hydrolase 3	220013_at	-1.795	0.001	611	261	-2.3	-1.1	-1.2
<i>LYRM7</i>	LYR motif containing 7	228841_at	-1.794	0.001	412	234	-1.8	-1.1	-1.3
<i>NFAT5</i>	nuclear factor of activated T cells 5	224984_at	-1.792	0.001	1001	618	-1.6	-1.2	1.1
<i>ZRANB1</i>	zinc finger RANBP2-type containing 1	225138_at	-1.792	0.001	312	190	-1.6	-1.1	-2.3
<i>LAMP2</i>	lysosomal associated membrane protein 2	226671_at	-1.792	0.001	396	208	-1.9	-1.8	-2.5
<i>DDI2</i>	DNA damage inducible 1 homolog 2	225780_at	-1.791	0.001	445	272	-1.6	1.2	-1.4
<i>YAP1</i>	Yes associated protein 1	224894_at	-1.788	0.001	1058	686	-1.5	-1.1	1.6
<i>DENND2C</i>	DENN domain containing 2C	230769_at	-1.788	0.001	279	110	-2.5	-1.1	-1.0
<i>AKAP11</i>	A-kinase anchoring protein 11	203156_at	-1.787	0.001	693	434	-1.6	1.1	-1.2
<i>UEVLD</i>	UEV and lactate/malate dehydrogenase domains	220775_s_at	-1.787	0.001	249	145	-1.7	-1.0	-1.5

<i>MOB3B</i>	MOB kinase activator 3B	226844_at	-1.786	0.001	279	168	-1.7	-2.2	-4.4
<i>ELOVL4</i>	ELOVL fatty acid elongase 4	219532_at	-1.785	0.001	788	153	-5.2	1.4	-1.0
<i>UCHL3</i>	ubiquitin C-terminal hydrolase L3	204616_at	-1.785	0.001	1328	783	-1.7	1.5	-1.1
<i>SLC18B1</i>	solute carrier family 18 member B1	226301_at	-1.784	0.001	802	291	-2.8	1.5	-9.1
<i>CTNNBIP1</i>	catenin beta interacting protein 1	203081_at	-1.784	0.001	747	478	-1.6	-1.8	1.1
<i>SPAG9</i>	sperm associated antigen 9	225339_at	-1.782	0.001	597	387	-1.5	-1.3	-1.8
<i>DICER1</i>	dicer 1, ribonuclease III	212888_at	-1.782	0.001	646	401	-1.6	1.1	-1.3
<i>PPP1R13L</i>	protein phosphatase 1 regulatory subunit 13 like	218849_s_at	-1.782	0.001	370	180	-2.1	-1.8	1.2
<i>PPIC</i>	peptidylprolyl isomerase C	204517_at	-1.780	0.001	895	565	-1.6	1.4	2.8
<i>EMB</i>	embigin	226789_at	-1.779	0.001	812	440	-1.8	-1.2	2.8
<i>B3GNT5</i>	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	225612_s_at	-1.778	0.001	454	198	-2.3	1.7	3.0
<i>BAZ2B</i>	bromodomain adjacent to zinc finger domain 2B	203080_s_at	-1.778	0.001	549	344	-1.6	1.5	-2.4
<i>ZNF121</i>	zinc finger protein 121	1553979_at	-1.777	0.001	623	410	-1.5	1.2	ND
<i>DYNLT3</i>	dynein light chain Tctex-type 3	203303_at	-1.774	0.001	1096	706	-1.6	1.5	1.6
<i>LAMTOR3</i>	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3	217971_at	-1.773	0.001	692	451	-1.5	1.4	-1.9
<i>PDZD8</i>	PDZ domain containing 8	213549_at	-1.772	0.001	275	150	-1.8	-1.3	-1.0
<i>GULP1</i>	GULP PTB domain containing engulfment adaptor 1	204237_at	-1.768	0.001	492	234	-2.1	-1.0	3.1
<i>KIF1B</i>	kinesin family member 1B	226968_at	-1.767	0.001	486	294	-1.7	1.2	2.2
<i>PPP4R3B</i>	protein phosphatase 4 regulatory subunit 3B	233759_s_at	-1.766	0.001	561	372	-1.5	1.2	1.0
<i>CCDC126</i>	coiled-coil domain containing 126	228087_at	-1.766	0.001	220	115	-1.9	1.1	1.6
<i>MYO6</i>	myosin VI	203216_s_at	-1.765	0.001	511	221	-2.3	1.4	-1.8
<i>CCNC</i>	cyclin C	201955_at	-1.765	0.001	1156	726	-1.6	1.4	1.9
<i>TGFBR3</i>	transforming growth factor beta receptor 3	226625_at	-1.765	0.001	674	406	-1.7	-1.6	-1.7
<i>TTC39C</i>	tetratricopeptide repeat domain 39C	238480_at	-1.764	0.001	270	149	-1.8	-1.1	1.9
<i>SFN</i>	stratifin	209260_at	-1.763	0.001	1788	1033	-1.7	-1.4	1.1
<i>EFNA3</i>	ephrin A3	210132_at	-1.762	0.001	472	306	-1.5	-1.3	1.1

<i>DNAJB14</i>	DnaJ heat shock protein family (Hsp40) member B14	226399_at	-1.757	0.001	360	220	-1.6	1.4	-1.7
<i>CYP2R1</i>	cytochrome P450 family 2 subfamily R member 1	227109_at	-1.757	0.001	326	175	-1.9	1.2	1.0
<i>MBTD1</i>	mbt domain containing 1	226797_at	-1.756	0.001	366	183	-2.0	1.0	-1.0
<i>SLC35F5</i>	solute carrier family 35 member F5	225872_at	-1.756	0.001	560	316	-1.8	1.6	-1.3
<i>RNF6</i>	ring finger protein 6	203403_s_at	-1.754	0.001	768	464	-1.7	1.6	-2.1
<i>RAB11A</i>	RAB11A, member RAS oncogene family	200864_s_at	-1.753	0.001	654	413	-1.6	-1.1	-1.6
<i>C5orf46</i>	chromosome 5 open reading frame 46	1554195_a_at	-1.752	0.001	1007	264	-3.8	-1.8	ND
<i>SRPK1</i>	SRSF protein kinase 1	202200_s_at	-1.752	0.001	855	475	-1.8	1.3	1.6
<i>CRABP2</i>	cellular retinoic acid binding protein 2	202575_at	-1.752	0.001	1562	779	-2.0	1.3	-1.1
<i>PRSS8</i>	serine protease 8	202525_at	-1.751	0.001	440	156	-2.8	-1.2	1.2
<i>KRT15</i>	keratin 15	204734_at	-1.750	0.001	2526	410	-6.2	-3.4	2.1
<i>ATP6V1C2</i>	ATPase H+ transporting V1 subunit C2	1552532_a_at	-1.750	0.001	400	84	-4.7	2.2	ND
<i>GOLGA4</i>	golgin A4	201567_s_at	-1.749	0.001	1059	662	-1.6	1.7	1.1
<i>ANK3</i>	ankyrin 3	206385_s_at	-1.748	0.001	543	185	-2.9	-1.4	5.5
<i>CCL27</i>	C-C motif chemokine ligand 27	207955_at	-1.747	0.001	327	68	-4.8	-3.8	-1.1
<i>PTPN11</i>	protein tyrosine phosphatase non-receptor type 11	209896_s_at	-1.746	0.001	482	293	-1.6	-1.0	-1.3
<i>CRYBG3</i>	crystallin beta-gamma domain containing 3	214030_at	-1.745	0.001	441	259	-1.7	-1.1	-1.1
<i>SERPINB7</i>	serpin family B member 7	206421_s_at	-1.744	0.001	1270	443	-2.9	-1.0	1.1
<i>PPA2</i>	pyrophosphatase (inorganic) 2	1559496_at	-1.743	0.001	353	147	-2.4	1.4	ND
<i>SNAI2</i>	snail family transcriptional repressor 2	213139_at	-1.742	0.001	1427	855	-1.7	-1.8	-5.7
<i>EEF1A1</i>	eukaryotic translation elongation factor 1 alpha 1	227708_at	-1.739	0.001	630	390	-1.6	-1.9	-1.2
<i>SLC16A7</i>	solute carrier family 16 member 7	207057_at	-1.738	0.001	558	282	-2.0	1.0	-2.2
<i>ZNF185</i>	zinc finger protein 185 with LIM domain	203585_at	-1.737	0.001	493	262	-1.9	-1.4	-1.2
<i>COX11</i>	cytochrome c oxidase copper chaperone COX11	211727_s_at	-1.737	0.001	884	581	-1.5	1.0	1.7
<i>HACD2</i>	3-hydroxyacyl-CoA dehydratase 2	212640_at	-1.737	0.001	780	403	-1.9	-1.1	1.1
<i>ARHGEF37</i>	Rho guanine nucleotide exchange factor 37	227717_at	-1.737	0.001	483	189	-2.6	-2.7	-3.9

<i>SMPDL3A</i>	sphingomyelin phosphodiesterase acid like 3A	213624_at	-1.736	0.001	950	481	-2.0	-1.3	-3.6
<i>C11orf54</i>	chromosome 11 open reading frame 54	229851_s_at	-1.734	0.001	341	198	-1.7	1.3	1.2
<i>TSTD1</i>	thiosulfate sulfurtransferase like domain containing 1	226482_s_at	-1.733	0.001	634	287	-2.2	1.0	-2.6
<i>CITED2</i>	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2	209357_at	-1.733	0.001	638	334	-1.9	-1.4	1.1
<i>STK26</i>	serine/threonine kinase 26	218499_at	-1.733	0.001	289	108	-2.7	-1.8	2.3
<i>HSPB1</i>	heat shock protein family B (small) member 1	201841_s_at	-1.733	0.001	6475	4217	-1.5	-1.1	-1.8
<i>PHAX</i>	phosphorylated adaptor for RNA export	235767_x_at	-1.732	0.001	316	195	-1.6	1.1	-1.5
<i>FAM214A</i>	family with sequence similarity 214 member A	225327_at	-1.730	0.001	472	277	-1.7	1.2	-2.8
<i>C19orf33</i>	chromosome 19 open reading frame 33	223631_s_at	-1.729	0.001	1005	288	-3.5	-1.2	-1.0
<i>PPM1A</i>	protein phosphatase, Mg2+/Mn2+ dependent 1A	227728_at	-1.729	0.001	352	196	-1.8	-1.2	-1.4
<i>SLC40A1</i>	solute carrier family 40 member 1	223044_at	-1.728	0.001	1546	806	-1.9	1.9	-1.4
<i>PSORS1C2</i>	psoriasis susceptibility 1 candidate 2	220635_at	-1.727	0.001	661	299	-2.2	-1.7	1.1
<i>ZC3H12C</i>	zinc finger CCCH-type containing 12C	231899_at	-1.727	0.001	359	210	-1.7	-1.0	1.2
<i>GRHL3</i>	grainyhead like transcription factor 3	232116_at	-1.726	0.001	379	158	-2.4	-1.1	1.2
<i>TPPP3</i>	tubulin polymerization promoting protein family member 3	218876_at	-1.725	0.001	312	145	-2.1	-3.1	-1.2
<i>ATF1</i>	activating transcription factor 1	222103_at	-1.725	0.001	402	258	-1.6	1.1	-1.2
<i>PALLD</i>	palladin, cytoskeletal associated protein	200907_s_at	-1.724	0.001	1412	823	-1.7	1.7	3.1
<i>RELCH</i>	RAB11 binding and LisH domain, coiled-coil and HEAT repeat containing	225508_at	-1.724	0.001	396	223	-1.8	1.4	-1.5
<i>PELI1</i>	pellino E3 ubiquitin protein ligase 1	218319_at	-1.723	0.001	651	404	-1.6	1.2	1.0
<i>NTRK2</i>	neurotrophic receptor tyrosine kinase 2	221796_at	-1.723	0.001	306	126	-2.4	-1.3	-1.1
<i>PKP3</i>	plakophilin 3	209873_s_at	-1.720	0.001	1004	500	-2.0	-1.5	1.1
<i>ANKRD13C</i>	ankyrin repeat domain 13C	223418_x_at	-1.719	0.001	262	138	-1.9	1.4	1.1
<i>GGT6</i>	gamma-glutamyltransferase 6	236225_at	-1.718	0.001	263	87	-3.0	-1.5	-1.3
<i>MYLK</i>	myosin light chain kinase	224823_at	-1.717	0.001	1485	907	-1.6	1.2	1.3
<i>CALML3</i>	calmodulin like 3	210020_x_at	-1.717	0.001	2746	954	-2.9	1.7	1.2

<i>TMEM154</i>	transmembrane protein 154	238063_at	-1.716	0.001	478	198	-2.4	-1.2	1.8
<i>ARAP2</i>	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	213618_at	-1.716	0.001	458	181	-2.5	1.5	-1.2
<i>CTSV</i>	cathepsin V	210074_at	-1.715	0.001	1867	580	-3.2	1.0	1.3
<i>TUBA4A</i>	tubulin alpha 4a	212242_at	-1.714	0.001	2062	1043	-2.0	-1.1	1.5
<i>SREK1IP1</i>	SREK1 interacting protein 1	235390_at	-1.714	0.001	319	173	-1.8	1.1	1.1
<i>ZBTB21</i>	zinc finger and BTB domain containing 21	225539_at	-1.714	0.001	301	151	-2.0	-1.0	-1.1
<i>PSMC6</i>	proteasome 26S subunit, ATPase 6	201699_at	-1.714	0.001	704	464	-1.5	1.8	1.2
<i>KLC3</i>	kinesin light chain 3	239853_at	-1.714	0.001	439	184	-2.4	-2.0	-1.2
<i>ASAP3</i>	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3	222236_s_at	-1.711	0.001	391	249	-1.6	-1.3	-1.2
<i>EPS8L1</i>	EPS8 like 1	218779_x_at	-1.711	0.001	337	173	-1.9	-1.2	-1.5
<i>ACVR2A</i>	activin A receptor type 2A	228416_at	-1.710	0.001	280	123	-2.3	-1.6	1.4
<i>RDH13</i>	retinol dehydrogenase 13	225467_s_at	-1.710	0.001	459	269	-1.7	1.0	-1.2
<i>MIR205HG</i>	MIR205 host gene	226755_at	-1.710	0.001	277	120	-2.3	-1.1	-1.1
<i>SH3D19</i>	SH3 domain containing 19	225162_at	-1.709	0.001	498	257	-1.9	-1.5	-1.2
<i>SGMS2</i>	sphingomyelin synthase 2	227038_at	-1.709	0.001	185	81	-2.3	1.3	2.2
<i>ARG1</i>	arginase 1	206177_s_at	-1.709	0.001	1807	746	-2.4	2.0	-1.1
<i>SNHG19</i>	small nucleolar RNA host gene 19	228049_x_at	-1.709	0.001	655	397	-1.6	-1.8	1.3
<i>HPGD</i>	15-hydroxyprostaglandin dehydrogenase	203914_x_at	-1.708	0.001	1126	481	-2.3	-1.8	-5.5
<i>C21orf91</i>	chromosome 21 open reading frame 91	226109_at	-1.708	0.001	1104	488	-2.3	2.0	-9.3
<i>CMTM4</i>	CKLF like MARVEL transmembrane domain containing 4	225009_at	-1.708	0.001	696	444	-1.6	-1.2	-1.7
<i>SLC10A3</i>	solute carrier family 10 member 3	204928_s_at	-1.707	0.001	324	215	-1.5	-1.1	1.4
<i>TOPORS</i>	TOP1 binding arginine/serine rich protein	204071_s_at	-1.706	0.001	322	205	-1.6	1.4	-1.1
<i>BDP1</i>	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB	226290_at	-1.706	0.001	349	188	-1.9	1.2	1.2
<i>SCYL2</i>	SCY1 like pseudokinase 2	224961_at	-1.706	0.001	439	266	-1.6	1.1	-1.1
<i>PTGER3</i>	prostaglandin E receptor 3	213933_at	-1.704	0.001	442	171	-2.6	1.3	1.0
<i>HLF</i>	HLF transcription factor, PAR bZIP family member	204753_s_at	-1.703	0.001	180	68	-2.7	-2.1	-1.3
<i>IL22RA1</i>	interleukin 22 receptor subunit alpha 1	220056_at	-1.702	0.001	243	114	-2.1	-1.5	-1.1

<i>BAG4</i>	BCL2 associated athanogene 4	228189_at	-1.699	0.001	387	249	-1.6	-1.4	1.0
<i>SLC22A23</i>	solute carrier family 22 member 23	223194_s_at	-1.698	0.001	398	238	-1.7	-1.2	1.1
<i>CWH43</i>	cell wall biogenesis 43 C-terminal homolog	220723_s_at	-1.698	0.001	592	208	-2.8	1.2	1.1
<i>KDM5B</i>	lysine demethylase 5B	201548_s_at	-1.698	0.001	447	291	-1.5	-1.1	-1.4
<i>HMGCR</i>	3-hydroxy-3-methylglutaryl-CoA reductase	202540_s_at	-1.698	0.001	775	342	-2.3	1.1	1.0
<i>CRIM1</i>	cysteine rich transmembrane BMP regulator 1	202551_s_at	-1.697	0.001	534	304	-1.8	-1.3	5.2
<i>AIMP1</i>	aminoacyl tRNA synthetase complex interacting multifunctional protein 1	202541_at	-1.696	0.001	342	213	-1.6	1.3	1.2
<i>S100A7</i>	S100 calcium binding protein A7	205916_at	-1.695	0.001	9043	6010	-1.5	4.6	-1.0
<i>EIF4E3</i>	eukaryotic translation initiation factor 4E family member 3	225941_at	-1.695	0.001	240	137	-1.7	-1.3	-1.1
<i>IRX5</i>	iroquois homeobox 5	210239_at	-1.695	0.001	348	164	-2.1	-1.3	-1.7
<i>CYLD</i>	CYLD lysine 63 deubiquitinase	213295_at	-1.695	0.001	328	202	-1.6	-1.0	-1.4
<i>RANBP6</i>	RAN binding protein 6	213019_at	-1.695	0.001	341	209	-1.6	1.0	-1.5
<i>ZNF430</i>	zinc finger protein 430	206829_x_at	-1.694	0.001	543	355	-1.5	1.3	1.0
<i>STAP2</i>	signal transducing adaptor family member 2	221610_s_at	-1.693	0.001	450	208	-2.2	1.0	1.0
<i>RANGAP1</i>	Ran GTPase activating protein 1	212125_at	-1.692	0.001	375	242	-1.5	-1.1	2.1
<i>ABHD5</i>	abhydrolase domain containing 5	213805_at	-1.692	0.001	567	133	-4.3	1.5	-1.1
<i>ME1</i>	malic enzyme 1	204059_s_at	-1.692	0.001	1502	552	-2.7	1.7	3.4
<i>SLC30A4</i>	solute carrier family 30 member 4	227193_at	-1.691	0.001	326	196	-1.7	1.1	1.0
<i>C15orf48</i>	chromosome 15 open reading frame 48	223484_at	-1.690	0.001	1002	381	-2.6	1.0	1.1
<i>TRIM13</i>	tripartite motif containing 13	229943_at	-1.686	0.001	570	343	-1.7	1.1	-1.2
<i>SMPD3</i>	sphingomyelin phosphodiesterase 3	219695_at	-1.686	0.001	369	146	-2.5	1.1	-1.0
<i>RDH12</i>	retinol dehydrogenase 12	242998_at	-1.684	0.001	485	246	-2.0	-1.3	-1.0
<i>RCOR3</i>	REST corepressor 3	222605_at	-1.683	0.001	486	319	-1.5	-1.1	-3.1
<i>S100A2</i>	S100 calcium binding protein A2	204268_at	-1.682	0.001	4615	2728	-1.7	1.8	1.6
<i>DUOX1</i>	dual oxidase 1	219597_s_at	-1.682	0.001	519	201	-2.6	1.0	1.1
<i>ZBTB7C</i>	zinc finger and BTB domain containing 7C	227782_at	-1.681	0.001	496	249	-2.0	-1.2	1.0

<i>ACSL1</i>	acyl-CoA synthetase long chain family member 1	201963_at	-1.680	0.001	2000	996	-2.0	-1.0	-3.1
<i>FEM1B</i>	fem-1 homolog B	212367_at	-1.678	0.001	434	258	-1.7	1.2	-3.1
<i>FBXO28</i>	F-box protein 28	202271_at	-1.677	0.001	834	503	-1.7	1.0	1.4
<i>RECQL</i>	RecQ like helicase	212917_x_at	-1.676	0.001	624	407	-1.5	2.5	2.0
<i>FAT2</i>	FAT atypical cadherin 2	208153_s_at	-1.674	0.001	259	102	-2.5	-1.8	-1.0
<i>NIPAL4</i>	NIPA like domain containing 4	230188_at	-1.674	0.001	460	270	-1.7	-1.4	1.2
<i>ITM2A</i>	integral membrane protein 2A	202746_at	-1.672	0.001	554	276	-2.0	-1.3	1.1
<i>IPO7</i>	importin 7	200995_at	-1.672	0.001	306	176	-1.7	-1.1	1.6
<i>IRX3</i>	iroquois homeobox 3	229638_at	-1.671	0.001	1561	702	-2.2	-1.4	-1.3
<i>AJUBA</i>	ajuba LIM protein	225806_at	-1.671	0.001	256	124	-2.1	-2.4	3.3
<i>DDHD1</i>	DDHD domain containing 1	225971_at	-1.668	0.001	287	157	-1.8	1.9	-1.2
<i>CHURC1</i>	churchill domain containing 1	223210_at	-1.668	0.001	490	291	-1.7	1.2	-2.1
<i>ATMIN</i>	ATM interactor	201855_s_at	-1.668	0.001	434	268	-1.6	-1.1	-3.8
<i>MTURN</i>	maturin, neural progenitor differentiation regulator homolog	226018_at	-1.667	0.001	290	139	-2.1	-2.0	-10.2
<i>PAQR3</i>	progesterone and adipoQ receptor family member 3	213372_at	-1.666	0.001	216	93	-2.3	1.4	-1.1
<i>FAM83C</i>	family with sequence similarity 83 member C	1556793_a_at	-1.665	0.001	630	240	-2.6	-1.3	ND
<i>TPD52L1</i>	TPD52 like 1	203786_s_at	-1.664	0.001	1149	610	-1.9	-1.2	1.4
<i>IL18</i>	interleukin 18	206295_at	-1.664	0.001	557	138	-4.0	-1.0	1.1
<i>ITGA2</i>	integrin subunit alpha 2	227314_at	-1.664	0.001	325	154	-2.1	-1.1	3.5
<i>HOOK3</i>	hook microtubule tethering protein 3	226395_at	-1.663	0.001	389	213	-1.8	-1.0	-1.1
<i>LAD1</i>	ladinin 1	203287_at	-1.660	0.001	749	395	-1.9	-1.3	-1.1
<i>MAOA</i>	monoamine oxidase A	212741_at	-1.659	0.001	472	208	-2.3	-1.6	-1.2
<i>TMOD3</i>	tropomodulin 3	223077_at	-1.659	0.001	466	284	-1.6	1.2	1.2
<i>ARHGAP29</i>	Rho GTPase activating protein 29	203910_at	-1.657	0.001	563	320	-1.8	1.6	2.9
<i>ALG13</i>	ALG13 UDP-N-acetylglucosaminyltransferase subunit	222808_at	-1.657	0.001	324	209	-1.5	1.3	1.5
<i>USP15</i>	ubiquitin specific peptidase 15	210681_s_at	-1.656	0.001	481	315	-1.5	2.1	1.5
<i>PLXNB1</i>	plexin B1	215807_s_at	-1.655	0.001	381	244	-1.6	-1.2	-3.1
<i>PRKCI</i>	protein kinase C iota	209678_s_at	-1.655	0.001	1191	757	-1.6	1.3	1.2

<i>TWF1</i>	twinfilin actin binding protein 1	201745_at	-1.653	0.001	784	507	-1.5	2.0	-3.8
<i>TMEM33</i>	transmembrane protein 33	225492_at	-1.653	0.001	673	435	-1.5	1.1	-1.1
<i>TLE4</i>	TLE family member 4, transcriptional corepressor	204872_at	-1.650	0.001	331	159	-2.1	-1.7	2.0
<i>KRT77</i>	keratin 77	237120_at	-1.649	0.001	729	166	-4.4	-4.1	1.1
<i>PDCD6IP</i>	programmed cell death 6 interacting protein	222394_at	-1.647	0.001	460	276	-1.7	-1.3	-1.8
<i>ZDHHC13</i>	zinc finger DHHC-type containing 13	219296_at	-1.647	0.001	269	135	-2.0	1.2	1.4
<i>SGPP2</i>	sphingosine-1-phosphate phosphatase 2	226560_at	-1.646	0.001	935	241	-3.9	-1.0	1.2
<i>CAMSAP2</i>	calmodulin regulated spectrin associated protein family member 2	212765_at	-1.644	0.001	678	401	-1.7	-1.0	-1.4
<i>TTC22</i>	tetratricopeptide repeat domain 22	235651_at	-1.641	0.001	440	187	-2.4	-1.3	1.1
<i>PRXL2A</i>	peroxiredoxin like 2A	228155_at	-1.641	0.001	2200	1229	-1.8	-1.4	-1.6
<i>GNA13</i>	G protein subunit alpha 13	224761_at	-1.641	0.001	2349	1524	-1.5	1.3	-1.4
<i>ATP10D</i>	ATPase phospholipid transporting 10D (putative)	213238_at	-1.638	0.001	500	267	-1.9	1.2	-1.6
<i>MARCH3</i>	membrane associated ring-CH-type finger 3	213256_at	-1.638	0.001	347	170	-2.0	1.1	-1.1
<i>FBXW7</i>	F-box and WD repeat domain containing 7	229419_at	-1.637	0.001	245	116	-2.1	-1.6	-1.1
<i>CHMP4C</i>	charged multivesicular body protein 4C	226803_at	-1.633	0.001	347	132	-2.6	-1.2	-1.0
<i>EXOC8</i>	exocyst complex component 8	227577_at	-1.632	0.001	299	178	-1.7	1.6	1.1
<i>RCOR1</i>	REST corepressor 1	212612_at	-1.631	0.001	371	241	-1.5	1.1	-1.4
<i>JAG2</i>	jagged canonical Notch ligand 2	209784_s_at	-1.630	0.001	442	280	-1.6	-1.5	-1.6
<i>ELOVL1</i>	ELOVL fatty acid elongase 1	57163_at	-1.622	0.001	1050	646	-1.6	1.2	1.5
<i>TTC37</i>	tetratricopeptide repeat domain 37	203048_s_at	-1.622	0.001	466	310	-1.5	1.4	-1.5
<i>MCEE</i>	methylmalonyl-CoA epimerase	226238_at	-1.621	0.001	249	148	-1.7	1.2	-1.2
<i>TBL1XR1</i>	transducin beta like 1 X-linked receptor 1	221428_s_at	-1.620	0.001	313	188	-1.7	-1.0	1.0
<i>KLK10</i>	kallikrein related peptidase 10	209792_s_at	-1.620	0.001	1287	589	-2.2	1.1	-1.1
<i>GCH1</i>	GTP cyclohydrolase 1	204224_s_at	-1.619	0.001	388	193	-2.0	2.1	-1.0
<i>SLMAP</i>	sarcolemma associated protein	225243_s_at	-1.619	0.001	440	262	-1.7	1.1	-1.3
<i>PGGT1B</i>	protein geranylgeranyltransferase type I subunit beta	235615_at	-1.618	0.001	218	113	-1.9	1.3	-1.0

<i>PPP2R5E</i>	protein phosphatase 2 regulatory subunit B'epsilon	227630_at	-1.617	0.001	296	194	-1.5	-1.5	-1.1
<i>LAMA3</i>	laminin subunit alpha 3	203726_s_at	-1.617	0.001	304	185	-1.6	-1.3	1.2
<i>FAR1</i>	fatty acyl-CoA reductase 1	224866_at	-1.616	0.001	372	234	-1.6	1.6	-1.0
<i>SLC46A2</i>	solute carrier family 46 member 2	223816_at	-1.616	0.001	183	66	-2.8	-1.5	1.2
<i>COMMD8</i>	COMM domain containing 8	218351_at	-1.616	0.001	937	622	-1.5	2.0	-1.5
<i>OTUB2</i>	OTU deubiquitinase, ubiquitin aldehyde binding 2	219369_s_at	-1.615	0.001	298	134	-2.2	1.1	1.1
<i>TPRG1</i>	tumor protein p63 regulated 1	229764_at	-1.614	0.001	457	180	-2.5	-1.2	-1.0
<i>SRSF11</i>	serine and arginine rich splicing factor 11	200685_at	-1.613	0.001	320	175	-1.8	1.3	-1.1
<i>NCOA2</i>	nuclear receptor coactivator 2	212867_at	-1.612	0.001	568	370	-1.5	-1.0	-1.3
<i>RAP2C</i>	RAP2C, member of RAS oncogene family	218668_s_at	-1.612	0.001	319	200	-1.6	2.0	1.2
<i>SPPL2A</i>	signal peptide peptidase like 2A	227682_at	-1.612	0.001	301	162	-1.9	-1.1	1.6
<i>DEFB1</i>	defensin beta 1	210397_at	-1.612	0.001	909	263	-3.5	1.0	1.1
<i>PALMD</i>	palmdelphin	218736_s_at	-1.611	0.001	682	294	-2.3	-1.1	1.2
<i>RC3H1</i>	ring finger and CCCH-type domains 1	225893_at	-1.611	0.001	530	335	-1.6	1.0	-1.2
<i>MPP7</i>	membrane palmitoylated protein 7	238778_at	-1.610	0.001	183	46	-4.0	-1.4	1.0
<i>SPTLC3</i>	serine palmitoyltransferase long chain base subunit 3	227752_at	-1.610	0.001	274	91	-3.0	1.1	-1.3
<i>TGFA</i>	transforming growth factor alpha	205016_at	-1.609	0.001	309	145	-2.1	1.1	30.6
<i>ACPP</i>	acid phosphatase, prostate	204393_s_at	-1.608	0.001	625	274	-2.3	1.4	1.9
<i>BBOX1</i>	gamma-butyrobetaine hydroxylase 1	205363_at	-1.608	0.001	482	174	-2.8	-1.3	1.2
<i>CASZ1</i>	castor zinc finger 1	243386_at	-1.605	0.001	343	90	-3.8	1.0	-1.1
<i>DAPL1</i>	death associated protein like 1	229290_at	-1.604	0.001	1763	363	-4.9	1.1	1.1
<i>SPINT1</i>	serine peptidase inhibitor, Kunitz type 1	202826_at	-1.601	0.001	685	386	-1.8	-1.4	-1.1
<i>FKBP5</i>	FKBP prolyl isomerase 5	224840_at	-1.597	0.001	1756	995	-1.8	1.7	1.6
<i>ERBIN</i>	erbb2 interacting protein	222473_s_at	-1.597	0.001	425	278	-1.5	1.2	-2.4
<i>PRDM1</i>	PR/SET domain 1	228964_at	-1.597	0.001	738	435	-1.7	1.3	1.4
<i>PSAPL1</i>	prosaposin like 1 (gene/pseudogene)	1564333_a_at	-1.597	0.001	1460	416	-3.5	-1.4	ND
<i>SRD5A1</i>	steroid 5 alpha-reductase 1	204675_at	-1.596	0.001	862	210	-4.1	-1.1	-1.2
<i>MTF1</i>	metal regulatory transcription factor 1	227150_at	-1.596	0.001	344	218	-1.6	1.3	-1.0
<i>CCL18</i>	C-C motif chemokine ligand 18	32128_at	-1.595	0.001	4098	928	-4.4	12.0	-2.0
<i>TSPAN13</i>	tetraspanin 13	217979_at	-1.594	0.001	707	387	-1.8	1.9	12.7

<i>MAP4K5</i>	mitogen-activated protein kinase kinase kinase 5	203552_at	-1.593	0.001	322	194	-1.7	1.0	-1.1
<i>NCOA7</i>	nuclear receptor coactivator 7	225344_at	-1.592	0.001	939	594	-1.6	1.6	1.6
<i>HIP1R</i>	huntingtin interacting protein 1 related	38340_at	-1.591	0.001	542	357	-1.5	-1.2	-1.1
<i>FOXQ1</i>	forkhead box Q1	227475_at	-1.590	0.001	600	241	-2.5	-3.0	-1.6
<i>IL11RA</i>	interleukin 11 receptor subunit alpha	204773_at	-1.589	0.001	314	200	-1.6	-1.7	-2.4
<i>EPN3</i>	epsin 3	223895_s_at	-1.589	0.001	182	73	-2.5	1.2	-1.4
<i>SEC24A</i>	SEC24 homolog A, COPII coat complex component	212900_at	-1.589	0.001	588	358	-1.6	1.4	2.5
<i>PCGF5</i>	polycomb group ring finger 5	226326_at	-1.587	0.001	260	155	-1.7	-1.1	-1.0
<i>PTK6</i>	protein tyrosine kinase 6	206482_at	-1.587	0.001	374	157	-2.4	-1.1	-1.0
<i>ACOX1</i>	acyl-CoA oxidase 1	227962_at	-1.587	0.001	449	286	-1.6	-1.3	-1.5
<i>MANSC1</i>	MANSC domain containing 1	220945_x_at	-1.584	0.001	735	387	-1.9	1.1	1.4
<i>DNASE1L2</i>	deoxyribonuclease 1 like 2	207192_at	-1.584	0.001	371	134	-2.8	-1.0	-1.0
<i>WDR47</i>	WD repeat domain 47	203855_at	-1.584	0.001	420	266	-1.6	-1.3	1.1
<i>CARD18</i>	caspase recruitment domain family member 18	231733_at	-1.582	0.001	857	241	-3.6	1.6	1.3
<i>FAM241A</i>	family with sequence similarity 241 member A	227856_at	-1.582	0.001	357	197	-1.8	1.1	1.5
<i>MBOAT2</i>	membrane bound O-acyltransferase domain containing 2	213288_at	-1.581	0.001	600	349	-1.7	-1.0	1.1
<i>MARVELD2</i>	MARVEL domain containing 2	235141_at	-1.579	0.001	219	108	-2.0	-1.3	1.3
<i>GLRX</i>	glutaredoxin	206662_at	-1.578	0.001	1504	905	-1.7	1.9	1.4
<i>IREB2</i>	iron responsive element binding protein 2	225892_at	-1.578	0.001	361	232	-1.6	1.3	1.1
<i>UBN2</i>	ubiquitin 2	225444_at	-1.576	0.001	323	206	-1.6	-1.1	-1.1
<i>EFNB2</i>	ephrin B2	202669_s_at	-1.576	0.001	495	213	-2.3	-1.2	1.6
<i>PHF20L1</i>	PHD finger protein 20 like 1	226942_at	-1.575	0.001	390	237	-1.6	1.7	-1.1
<i>MAPK13</i>	mitogen-activated protein kinase 13	210058_at	-1.575	0.001	604	370	-1.6	-1.1	1.2
<i>ABHD17B</i>	abhydrolase domain containing 17B	227551_at	-1.572	0.001	395	246	-1.6	-1.2	-1.6
<i>TIFA</i>	TRAF interacting protein with forkhead associated domain	226117_at	-1.572	0.001	387	249	-1.6	1.3	1.8
<i>GAB1</i>	GRB2 associated binding protein 1	226002_at	-1.572	0.001	237	136	-1.7	-1.3	-1.4

<i>XIST</i>	X inactive specific transcript	224588_at	-1.571	0.001	1418	38	-37.7	-2.1	1.0
<i>ETNK1</i>	ethanolamine kinase 1	242059_at	-1.571	0.001	420	199	-2.1	3.2	-1.1
<i>NCK1</i>	NCK adaptor protein 1	211063_s_at	-1.570	0.001	626	410	-1.5	1.5	-1.4
<i>TNS4</i>	tensin 4	230398_at	-1.570	0.001	365	215	-1.7	-1.6	1.1
<i>TMEM159</i>	transmembrane protein 159	213272_s_at	-1.570	0.001	281	161	-1.7	-2.0	-1.5
<i>KIAA0513</i>	KIAA0513	204546_at	-1.569	0.001	254	151	-1.7	1.1	-1.5
<i>NFIL3</i>	nuclear factor, interleukin 3 regulated	203574_at	-1.569	0.001	378	246	-1.5	1.1	-2.0
<i>PTN</i>	pleiotrophin	211737_x_at	-1.568	0.001	522	284	-1.8	-6.1	4.7
<i>DEPTOR</i>	DEP domain containing MTOR interacting protein	218858_at	-1.568	0.001	366	222	-1.6	-1.3	-1.1
<i>CPA4</i>	carboxypeptidase A4	205832_at	-1.567	0.001	449	240	-1.9	-1.1	-1.1
<i>TMPRSS13</i>	transmembrane serine protease 13	223659_at	-1.566	0.001	275	175	-1.6	-1.3	-1.2
<i>ACBD5</i>	acyl-CoA binding domain containing 5	225663_at	-1.566	0.001	530	345	-1.5	1.2	-3.0
<i>GRHL2</i>	grainyhead like transcription factor 2	219388_at	-1.564	0.001	283	118	-2.4	-1.6	1.0
<i>MBNL3</i>	muscleblind like splicing regulator 3	229498_at	-1.556	0.001	443	261	-1.7	-1.1	1.4
<i>CUL4A</i>	cullin 4A	201424_s_at	-1.556	0.001	510	333	-1.5	1.3	-1.3
<i>EVPL</i>	envoplakin	204503_at	-1.555	0.001	311	163	-1.9	-1.6	1.1
<i>ALDH5A1</i>	aldehyde dehydrogenase 5 family member A1	203608_at	-1.554	0.001	340	167	-2.0	1.1	-1.1
<i>KCTD1</i>	potassium channel tetramerization domain containing 1	226245_at	-1.554	0.001	548	321	-1.7	-1.7	1.0
<i>C16orf72</i>	chromosome 16 open reading frame 72	225197_at	-1.554	0.001	321	213	-1.5	-1.2	1.6
<i>VANGL2</i>	VANGL planar cell polarity protein 2	226029_at	-1.553	0.001	318	181	-1.8	-1.0	-2.2
<i>LRP11</i>	LDL receptor related protein 11	225060_at	-1.550	0.001	574	344	-1.7	1.1	1.2
<i>GRB7</i>	growth factor receptor bound protein 7	210761_s_at	-1.550	0.001	258	154	-1.7	-1.1	-1.1
<i>NFIA</i>	nuclear factor I A	224970_at	-1.546	0.001	614	401	-1.5	-1.5	-1.3
<i>BLNK</i>	B cell linker	207655_s_at	-1.546	0.001	478	242	-2.0	2.4	-1.1
<i>ESRP2</i>	epithelial splicing regulatory protein 2	219395_at	-1.546	0.001	344	168	-2.1	-1.0	1.1
<i>C11orf80</i>	chromosome 11 open reading frame 80	238593_at	-1.545	0.001	185	71	-2.6	1.5	1.5
<i>NR1D2</i>	nuclear receptor subfamily 1 group D member 2	225768_at	-1.544	0.001	314	199	-1.6	2.0	-1.1
<i>DR1</i>	down-regulator of transcription 1	209187_at	-1.542	0.001	692	443	-1.6	1.1	-1.1
<i>PRSS3</i>	serine protease 3	207463_x_at	-1.541	0.001	543	254	-2.1	1.2	1.1

<i>TRIM16</i>	tripartite motif containing 16	204341_at	-1.540	0.001	365	227	-1.6	-1.1	2.6
<i>TNFAIP8</i>	TNF alpha induced protein 8	208296_x_at	-1.537	0.001	604	389	-1.6	1.8	1.5
<i>TMEM30B</i>	transmembrane protein 30B	213285_at	-1.537	0.001	223	109	-2.0	-1.2	1.0
<i>CHMP2B</i>	charged multivesicular body protein 2B	202536_at	-1.535	0.001	453	298	-1.5	1.5	-2.1
<i>DAPP1</i>	dual adaptor of phosphotyrosine and 3-phosphoinositides 1	222858_s_at	-1.535	0.001	380	216	-1.8	1.6	1.1
<i>SCIN</i>	scinderin	1552365_at	-1.534	0.001	322	29	-11.1	5.0	ND
<i>PPP6R3</i>	protein phosphatase 6 regulatory subunit 3	222467_s_at	-1.533	0.001	429	274	-1.6	1.2	-1.0
<i>ZNF451</i>	zinc finger protein 451	212557_at	-1.532	0.001	387	251	-1.5	1.4	-1.5
<i>TFAP2C</i>	transcription factor AP-2 gamma	205286_at	-1.531	0.001	854	537	-1.6	-1.4	4.2
<i>PGRMC1</i>	progesterone receptor membrane component 1	201121_s_at	-1.531	0.001	2041	1296	-1.6	1.0	1.7
<i>WFDC21P</i>	WAP four-disulfide core domain 21, pseudogene	229566_at	-1.531	0.001	524	272	-1.9	-1.1	1.1
<i>IL1R2</i>	interleukin 1 receptor type 2	205403_at	-1.531	0.001	342	215	-1.6	-1.6	1.1
<i>YIPF5</i>	Yip1 domain family member 5	224953_at	-1.531	0.001	454	280	-1.6	-1.3	-1.4
<i>STARD5</i>	StAR related lipid transfer domain containing 5	213820_s_at	-1.530	0.001	320	188	-1.7	-1.5	-1.2
<i>FZD3</i>	frizzled class receptor 3	239082_at	-1.526	0.001	285	154	-1.9	-1.2	-1.9
<i>DENND2D</i>	DENN domain containing 2D	221081_s_at	-1.526	0.001	412	228	-1.8	1.8	1.1
<i>APOOL</i>	apolipoprotein O like	213282_at	-1.525	0.001	311	207	-1.5	-1.2	-1.5
<i>APPL1</i>	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1	218158_s_at	-1.525	0.001	269	165	-1.6	1.2	1.1
<i>ATP9A</i>	ATPase phospholipid transporting 9A (putative)	212062_at	-1.522	0.001	443	281	-1.6	1.2	3.5
<i>CYB5A</i>	cytochrome b5 type A	215726_s_at	-1.522	0.001	1208	542	-2.2	1.1	1.3
<i>DDX5</i>	DEAD-box helicase 5	225886_at	-1.522	0.001	400	267	-1.5	-1.1	-1.9
<i>C9orf16</i>	chromosome 9 open reading frame 16	41047_at	-1.521	0.001	1236	821	-1.5	-1.2	-1.2
<i>CACNA2D1</i>	calcium voltage-gated channel auxiliary subunit alpha2delta 1	227623_at	-1.520	0.001	231	110	-2.1	-1.2	1.1
<i>BSPRY</i>	B-box and SPRY domain containing	222746_s_at	-1.519	0.001	274	128	-2.1	-1.3	-1.0

<i>MALAT1</i>	metastasis associated lung adenocarcinoma transcript 1	224558_s_at	-1.518	0.001	1421	876	-1.6	1.7	-1.7
<i>LYNX1</i>	Ly6/neurotoxin 1	1554179_s_at	-1.517	0.001	1675	784	-2.1	1.2	ND
<i>STARD10</i>	StAR related lipid transfer domain containing 10	223103_at	-1.517	0.001	358	223	-1.6	-1.3	-4.1
<i>TET2</i>	tet methylcytosine dioxygenase 2	227624_at	-1.516	0.001	256	136	-1.9	1.1	-1.0
<i>MBNL2</i>	muscleblind like splicing regulator 2	203640_at	-1.515	0.001	1043	650	-1.6	-1.3	1.1
<i>SLC16A10</i>	solute carrier family 16 member 10	222939_s_at	-1.515	0.001	269	138	-2.0	-1.7	-2.0
<i>AADA2L2</i>	arylacetamide deacetylase like 2	240420_at	-1.513	0.001	511	124	-4.1	1.7	-1.0
<i>PNLIPRP3</i>	pancreatic lipase related protein 3	1558846_at	-1.513	0.001	701	130	-5.4	2.6	ND
<i>EGR2</i>	early growth response 2	205249_at	-1.513	0.001	613	345	-1.8	1.4	-1.1
<i>DUOX1A1</i>	dual oxidase maturation factor 1	1554648_a_at	-1.511	0.001	340	130	-2.6	1.2	ND
<i>PER2</i>	period circadian regulator 2	205251_at	-1.511	0.001	587	386	-1.5	-1.2	1.2
<i>C18orf25</i>	chromosome 18 open reading frame 25	226406_at	-1.510	0.001	311	206	-1.5	1.0	1.0
<i>ALDH3A1</i>	aldehyde dehydrogenase 3 family member A1	205623_at	-1.510	0.001	212	97	-2.2	-1.7	-1.0
<i>IRF2BP2</i>	interferon regulatory factor 2 binding protein 2	224571_at	-1.509	0.001	528	352	-1.5	-1.2	-1.4
<i>FZD6</i>	frizzled class receptor 6	203987_at	-1.508	0.001	698	462	-1.5	1.3	5.7
<i>ERMP1</i>	endoplasmic reticulum metalloproteinase 1	222603_at	-1.508	0.001	282	144	-2.0	-1.2	-3.1
<i>RHOT1</i>	ras homolog family member T1	218323_at	-1.506	0.001	517	344	-1.5	1.1	-1.3
<i>SLC39A10</i>	solute carrier family 39 member 10	225295_at	-1.504	0.001	413	236	-1.7	1.2	3.0
<i>UBE2D3</i>	ubiquitin conjugating enzyme E2 D3	240383_at	-1.504	0.001	369	185	-2.0	3.9	-1.1
<i>TMEM41B</i>	transmembrane protein 41B	212622_at	-1.504	0.001	523	315	-1.7	-1.0	1.3
<i>MSMO1</i>	methylsterol monooxygenase 1	209146_at	-1.502	0.001	2250	780	-2.9	1.4	2.7
<i>CPD</i>	carboxypeptidase D	201941_at	-1.502	0.001	584	366	-1.6	1.1	1.3
<i>GOLT1B</i>	golgi transport 1B	222552_at	-1.500	0.001	750	463	-1.6	1.8	2.8
<i>LRRC8B</i>	leucine rich repeat containing 8 VRAC subunit B	212978_at	-1.499	0.001	300	188	-1.6	1.1	-1.1
<i>ZNF292</i>	zinc finger protein 292	212368_at	-1.499	0.001	824	531	-1.6	1.2	-1.1
<i>MBLAC2</i>	metallo-beta-lactamase domain containing 2	230298_at	-1.498	0.001	256	148	-1.7	-1.3	-1.1

<i>ABI3BP</i>	ABI family member 3 binding protein	223395_at	-1.497	0.001	725	441	-1.6	-1.0	1.5
<i>IL37</i>	interleukin 37	221470_s_at	-1.496	0.001	218	56	-3.9	-2.2	1.1
<i>DLG1</i>	discs large MAGUK scaffold protein 1	202514_at	-1.495	0.001	315	189	-1.7	-1.1	-3.2
<i>LPCAT2</i>	lysophosphatidylcholine acyltransferase 2	227889_at	-1.495	0.001	368	180	-2.0	-1.5	2.2
<i>ANK2</i>	ankyrin 2	202920_at	-1.495	0.001	654	433	-1.5	-1.9	-2.7
<i>ANXA9</i>	annexin A9	210085_s_at	-1.493	0.001	286	162	-1.8	-1.2	1.0
<i>TST</i>	thiosulfate sulfurtransferase	209605_at	-1.492	0.001	496	256	-1.9	1.2	-1.2
<i>SPRR4</i>	small proline rich protein 4	1552620_at	-1.492	0.001	2040	595	-3.4	-1.1	ND
<i>RABGAP1L</i>	RAB GTPase activating protein 1 like	203020_at	-1.492	0.001	353	214	-1.6	1.0	-1.2
<i>SPRR1A</i>	small proline rich protein 1A	214549_x_at	-1.491	0.001	3550	1998	-1.8	2.7	-1.1
<i>CYP4F22</i>	cytochrome P450 family 4 subfamily F member 22	244692_at	-1.489	0.001	390	116	-3.3	1.3	1.3
<i>RSF1</i>	remodeling and spacing factor 1	235381_at	-1.484	0.001	464	295	-1.6	1.1	1.1
<i>ANO1</i>	anoctamin 1	218804_at	-1.483	0.001	267	140	-1.9	-2.1	1.2
<i>CD207</i>	CD207 molecule	220428_at	-1.483	0.001	381	175	-2.2	-1.8	-1.0
<i>SEH1L</i>	SEH1 like nucleoporin	221931_s_at	-1.482	0.001	701	466	-1.5	-1.0	2.8
<i>KIZ</i>	kizuna centrosomal protein	219961_s_at	-1.482	0.001	317	191	-1.7	1.0	-1.8
<i>SLC39A6</i>	solute carrier family 39 member 6	202089_s_at	-1.480	0.001	1479	918	-1.6	-1.2	-4.8
<i>CNFN</i>	cornifelin	224329_s_at	-1.478	0.001	2022	921	-2.2	1.9	-1.0
<i>LYPD6B</i>	LY6/PLAUR domain containing 6B	228360_at	-1.477	0.001	208	97	-2.1	-1.9	1.4
<i>BICDL1</i>	BICD family like cargo adaptor 1	228320_x_at	-1.476	0.001	238	133	-1.8	-1.3	-1.7
<i>MYC</i>	MYC proto-oncogene, bHLH transcription factor	202431_s_at	-1.475	0.001	1751	1037	-1.7	-1.2	-1.4
<i>GRAMD2B</i>	GRAM domain containing 2B	218706_s_at	-1.469	0.001	437	282	-1.5	-1.1	-1.4
<i>FOXP1</i>	forkhead box N1	1558687_a_at	-1.466	0.001	292	101	-2.9	-1.6	ND
<i>GRAMD1C</i>	GRAM domain containing 1C	219313_at	-1.463	0.001	198	49	-4.1	1.8	1.0
<i>PMVK</i>	phosphomevalonate kinase	203515_s_at	-1.459	0.001	637	343	-1.9	1.0	1.2
<i>LY75</i>	lymphocyte antigen 75	205668_at	-1.456	0.001	279	134	-2.1	1.3	-1.1
<i>TIAM1</i>	T cell lymphoma invasion and metastasis 1	213135_at	-1.455	0.001	923	536	-1.7	-1.1	2.1
<i>ZBTB43</i>	zinc finger and BTB domain containing 43	227991_x_at	-1.455	0.001	310	193	-1.6	-1.1	1.1
<i>KIAA1522</i>	KIAA1522	224746_at	-1.454	0.001	626	392	-1.6	-1.5	-1.2

<i>CYSRT1</i>	cysteine rich tail 1	1569144_a_at	-1.453	0.001	382	197	-1.9	1.0	ND
<i>DPY19L4</i>	dpy-19 like 4	226721_at	-1.453	0.001	257	150	-1.7	-1.1	1.7
<i>SLURP1</i>	secreted LY6/PLAUR domain containing 1	214536_at	-1.452	0.001	1849	598	-3.1	1.0	1.0
<i>COL7A1</i>	collagen type VII alpha 1 chain	204136_at	-1.452	0.001	322	195	-1.7	-1.1	-1.1
<i>LRRC1</i>	leucine rich repeat containing 1	218816_at	-1.450	0.001	229	116	-2.0	-1.8	1.1
<i>ALCAM</i>	activated leukocyte cell adhesion molecule	201952_at	-1.449	0.001	804	459	-1.8	1.2	4.1
<i>FAM167A</i>	family with sequence similarity 167 member A	226614_s_at	-1.449	0.001	279	148	-1.9	-1.4	1.6
<i>DHCR24</i>	24-dehydrocholesterol reductase	200862_at	-1.448	0.001	2240	844	-2.7	-1.2	5.0
<i>OCIAD2</i>	OCIA domain containing 2	225314_at	-1.447	0.001	474	309	-1.5	1.1	1.1
<i>POU2F3</i>	POU class 2 homeobox 3	207109_at	-1.446	0.001	184	43	-4.3	-2.0	1.0
<i>ZNF91</i>	zinc finger protein 91	206059_at	-1.445	0.001	1025	469	-2.2	1.5	-1.4
<i>PPP1R14C</i>	protein phosphatase 1 regulatory inhibitor subunit 14C	226907_at	-1.443	0.001	592	372	-1.6	-1.8	1.1
<i>KCTD12</i>	potassium channel tetramerization domain containing 12	212192_at	-1.442	0.001	1567	1042	-1.5	1.3	-1.2
<i>SLC15A1</i>	solute carrier family 15 member 1	207254_at	-1.442	0.001	243	84	-2.9	1.5	-1.1
<i>NIBAN1</i>	niban apoptosis regulator 1	217967_s_at	-1.441	0.001	885	581	-1.5	1.2	10.4
<i>DGAT2</i>	diacylglycerol O-acyltransferase 2	226064_s_at	-1.441	0.001	1345	283	-4.8	-1.2	2.0
<i>MTX3</i>	metaxin 3	226528_at	-1.441	0.001	360	235	-1.5	1.2	1.6
<i>MGST1</i>	microsomal glutathione S-transferase 1	224918_x_at	-1.440	0.001	2607	1086	-2.4	1.4	1.1
<i>SOSTDC1</i>	sclerostin domain containing 1	213456_at	-1.439	0.001	466	163	-2.9	-1.7	1.1
<i>CPSF6</i>	cleavage and polyadenylation specific factor 6	226934_at	-1.437	0.001	229	114	-2.0	-1.0	1.5
<i>PRDX2</i>	peroxiredoxin 2	39729_at	-1.436	0.001	2100	1377	-1.5	1.1	-1.9
<i>ZNF662</i>	zinc finger protein 662	228538_at	-1.433	0.001	216	89	-2.4	1.2	-1.1
<i>PKN2</i>	protein kinase N2	212628_at	-1.432	0.001	290	179	-1.6	-1.0	-1.0
<i>ZEB2</i>	zinc finger E-box binding homeobox 2	228333_at	-1.431	0.001	385	249	-1.5	-1.4	-3.9
<i>HOMER2</i>	homer scaffold protein 2	217080_s_at	-1.430	0.001	335	178	-1.9	1.0	-1.1
<i>EBP</i>	EBP cholesterol delta-isomerase	202735_at	-1.429	0.001	458	288	-1.6	1.1	1.2
<i>PEX3</i>	peroxisomal biogenesis factor 3	203972_s_at	-1.426	0.001	550	270	-2.0	1.3	1.1
<i>LPAR1</i>	lysophosphatidic acid receptor 1	204036_at	-1.425	0.001	374	230	-1.6	-2.2	1.4

<i>DOP1A</i>	DOP1 leucine zipper like protein A	213271_s_at	-1.424	0.001	297	196	-1.5	-1.0	-1.9
<i>EPB41L4B</i>	erythrocyte membrane protein band 4.1 like 4B	220161_s_at	-1.423	0.001	310	151	-2.1	-1.5	1.2
<i>RAB7B</i>	RAB7B, member RAS oncogene family	230266_at	-1.422	0.001	272	163	-1.7	-1.2	2.0
<i>PPP4R2</i>	protein phosphatase 4 regulatory subunit 2	226317_at	-1.422	0.001	341	224	-1.5	1.1	-1.4
<i>IFRD1</i>	interferon related developmental regulator 1	202146_at	-1.421	0.001	426	276	-1.5	1.8	-1.1
<i>ZADH2</i>	zinc binding alcohol dehydrogenase domain containing 2	227049_at	-1.420	0.001	381	252	-1.5	-1.3	-1.7
<i>RPS23</i>	ribosomal protein S23	227722_at	-1.419	0.001	406	239	-1.7	-1.9	-1.3
<i>NOD2</i>	nucleotide binding oligomerization domain containing 2	220066_at	-1.419	0.001	267	158	-1.7	1.7	1.1
<i>PREPL</i>	prolyl endopeptidase like	212215_at	-1.418	0.001	413	275	-1.5	-1.2	-2.3
<i>SCOC</i>	short coiled-coil protein	223341_s_at	-1.418	0.001	296	190	-1.6	1.9	-1.1
<i>FAM199X</i>	family with sequence similarity 199, X-linked	225216_at	-1.418	0.001	344	227	-1.5	1.0	1.1
<i>ELL3</i>	elongation factor for RNA polymerase II 3	219517_at	-1.418	0.001	292	185	-1.6	-1.2	-1.1
<i>LTN1</i>	listerin E3 ubiquitin protein ligase 1	215596_s_at	-1.417	0.001	489	322	-1.5	1.3	1.1
<i>RHOU</i>	ras homolog family member U	223168_at	-1.417	0.001	331	194	-1.7	2.4	1.3
<i>PMAIP1</i>	phorbol-12-myristate-13-acetate-induced protein 1	204285_s_at	-1.417	0.001	728	419	-1.7	1.9	4.1
<i>MOB1B</i>	MOB kinase activator 1B	225997_at	-1.412	0.001	429	267	-1.6	1.2	-1.3
<i>LUC7L3</i>	LUC7 like 3 pre-mRNA splicing factor	229193_at	-1.412	0.001	244	111	-2.2	1.9	-1.1
<i>GNPAT</i>	glyceronephosphate O-acyltransferase	201956_s_at	-1.411	0.001	974	599	-1.6	1.2	-1.2
<i>DYNC1LI1</i>	dynein cytoplasmic 1 light intermediate chain 1	217976_s_at	-1.411	0.001	377	240	-1.6	1.2	-1.5
<i>PCMTD2</i>	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	212406_s_at	-1.411	0.001	1097	590	-1.9	-1.0	-5.7
<i>ECHDC2</i>	enoyl-CoA hydratase domain containing 2	218552_at	-1.409	0.001	782	424	-1.8	-1.1	-1.3
<i>ARHGAP5</i>	Rho GTPase activating protein 5	217936_at	-1.408	0.001	490	308	-1.6	1.2	-1.4
<i>METTL7A</i>	methyltransferase like 7A	207761_s_at	-1.408	0.001	1370	825	-1.7	1.0	-1.3

<i>LINC00302</i>	long intergenic non-protein coding RNA 302	216935_at	-1.408	0.001	469	182	-2.6	-1.3	1.0
<i>HCAR3</i>	hydroxycarboxylic acid receptor 3	205220_at	-1.405	0.001	460	235	-2.0	-1.0	-1.1
<i>TM7SF2</i>	transmembrane 7 superfamily member 2	210130_s_at	-1.404	0.001	541	190	-2.8	-1.0	1.2
<i>ALOX12B</i>	arachidonate 12-lipoxygenase, 12R type	207381_at	-1.404	0.001	549	237	-2.3	1.1	-1.0
<i>IGFL2</i>	IGF like family member 2	231148_at	-1.404	0.001	563	223	-2.5	1.2	1.0
<i>RNASE7</i>	ribonuclease A family member 7	234700_s_at	-1.403	0.001	280	110	-2.6	1.4	-1.1
<i>VSIG10L</i>	V-set and immunoglobulin domain containing 10 like	238654_at	-1.403	0.001	529	244	-2.2	1.1	-1.7
<i>SERPINB3</i>	serpin family B member 3	209719_x_at	-1.402	0.001	3479	1979	-1.8	6.3	1.1
<i>LRIG1</i>	leucine rich repeats and immunoglobulin like domains 1	211596_s_at	-1.399	0.001	237	126	-1.9	-1.8	1.1
<i>HMGCS1</i>	3-hydroxy-3-methylglutaryl-CoA synthase 1	221750_at	-1.398	0.001	461	152	-3.0	1.1	1.3
<i>CSNK1G3</i>	casein kinase 1 gamma 3	220768_s_at	-1.398	0.001	371	239	-1.6	1.4	-1.3
<i>ZNF493</i>	zinc finger protein 493	1558486_at	-1.397	0.001	297	136	-2.2	1.5	ND
<i>VDR</i>	vitamin D receptor	204254_s_at	-1.394	0.001	366	240	-1.5	-1.1	1.2
<i>TMEM254</i>	transmembrane protein 254	222545_s_at	-1.394	0.001	409	230	-1.8	-1.3	-1.1
<i>PDLIM5</i>	PDZ and LIM domain 5	212412_at	-1.392	0.001	1137	753	-1.5	1.3	1.5
<i>FAM171B</i>	family with sequence similarity 171 member B	227370_at	-1.390	0.001	261	130	-2.0	1.2	-1.2
<i>FBXL16</i>	F-box and leucine rich repeat protein 16	227641_at	-1.388	0.001	294	175	-1.7	-1.6	-1.7
<i>ISOC1</i>	isochorismatase domain containing 1	218170_at	-1.387	0.001	556	272	-2.0	-1.3	1.2
<i>TMEM45B</i>	transmembrane protein 45B	226226_at	-1.387	0.001	378	199	-1.9	1.4	1.2
<i>FAM185A</i>	family with sequence similarity 185 member A	1556373_a_at	-1.385	0.001	350	194	-1.8	1.7	ND
<i>GPSM2</i>	G protein signaling modulator 2	230002_at	-1.379	0.001	481	244	-2.0	-1.2	1.5
<i>PNISR</i>	PNN interacting serine and arginine rich protein	212179_at	-1.378	0.001	406	257	-1.6	1.1	-2.3
<i>PPIF</i>	peptidylprolyl isomerase F	201490_s_at	-1.378	0.001	634	412	-1.5	1.7	2.2
<i>CLIP4</i>	CAP-Gly domain containing linker protein family member 4	226425_at	-1.377	0.001	390	208	-1.9	1.1	-1.1
<i>PSME4</i>	proteasome activator subunit 4	212222_at	-1.376	0.001	285	181	-1.6	1.2	1.1

<i>MUCL1</i>	mucin like 1	1553602_at	-1.376	0.001	3555	1633	-2.2	1.1	ND
<i>RBM47</i>	RNA binding motif protein 47	218035_s_at	-1.376	0.001	587	248	-2.4	1.3	1.1
<i>FRY</i>	FRY microtubule binding protein	204072_s_at	-1.375	0.001	273	166	-1.6	1.2	-2.4
<i>NECTIN4</i>	nectin cell adhesion molecule 4	223540_at	-1.375	0.001	440	242	-1.8	-1.4	1.0
<i>TRPM1</i>	transient receptor potential cation channel subfamily M member 1	237070_at	-1.374	0.001	710	296	-2.4	-1.5	-10.3
<i>CYB561A3</i>	cytochrome b561 family member A3	224735_at	-1.374	0.001	786	499	-1.6	-1.5	-11.0
<i>TGM1</i>	transglutaminase 1	206008_at	-1.373	0.001	529	287	-1.8	1.3	-1.0
<i>PXMP4</i>	peroxisomal membrane protein 4	219428_s_at	-1.373	0.001	574	346	-1.7	-1.0	-1.0
<i>DUSP16</i>	dual specificity phosphatase 16	224832_at	-1.371	0.001	513	248	-2.1	1.2	-1.4
<i>INTS6</i>	integrator complex subunit 6	218819_at	-1.371	0.001	594	393	-1.5	1.7	-1.1
<i>DSC2</i>	desmocollin 2	226817_at	-1.371	0.001	1454	906	-1.6	2.9	1.0
<i>CA2</i>	carbonic anhydrase 2	209301_at	-1.370	0.001	800	393	-2.0	-1.0	-1.1
<i>AHNAK</i>	AHNAK nucleoprotein	220016_at	-1.369	0.001	294	152	-1.9	-1.8	-1.4
<i>COBLL1</i>	cordons-bleu WH2 repeat protein like 1	203642_s_at	-1.369	0.001	265	153	-1.7	-1.1	-1.2
<i>PARD3</i>	par-3 family cell polarity regulator	210094_s_at	-1.368	0.001	346	227	-1.5	-1.4	1.4
<i>C1orf68</i>	chromosome 1 open reading frame 68	217087_at	-1.366	0.001	486	203	-2.4	-2.8	1.2
<i>HS3ST6</i>	heparan sulfate-glucosamine 3-sulfotransferase 6	239547_at	-1.365	0.001	166	64	-2.6	-1.5	-1.3
<i>CDA</i>	cytidine deaminase	205627_at	-1.365	0.001	330	148	-2.2	2.0	1.3
<i>SERPINB2</i>	serpin family B member 2	204614_at	-1.365	0.001	774	496	-1.6	-1.0	17.6
<i>DGKH</i>	diacylglycerol kinase eta	227415_at	-1.361	0.001	261	158	-1.6	1.5	1.5
<i>RNF39</i>	ring finger protein 39	219916_s_at	-1.361	0.001	370	219	-1.7	-1.4	1.1
<i>PANK1</i>	pantothenate kinase 1	226649_at	-1.361	0.001	331	97	-3.4	1.1	1.2
<i>AKR1C3</i>	aldo-keto reductase family 1 member C3	209160_at	-1.360	0.001	348	214	-1.6	1.5	1.1
<i>IL20RA</i>	interleukin 20 receptor subunit alpha	219115_s_at	-1.357	0.001	168	37	-4.6	-1.6	1.0
<i>CDC73</i>	cell division cycle 73	235196_at	-1.355	0.001	344	222	-1.6	1.1	1.3
<i>FNIP1</i>	folliculin interacting protein 1	228250_at	-1.354	0.001	329	202	-1.6	1.4	-1.0
<i>ENDOU</i>	endonuclease, poly(U) specific	206605_at	-1.352	0.001	289	90	-3.2	-1.3	-1.3
<i>ELOVL5</i>	ELOVL fatty acid elongase 5	208788_at	-1.351	0.001	2511	1371	-1.8	1.4	1.4
<i>TFAP2A</i>	transcription factor AP-2 alpha	204653_at	-1.351	0.001	3089	2052	-1.5	-1.1	-12.5
<i>NMU</i>	neuromedin U	206023_at	-1.349	0.001	515	178	-2.9	-1.5	1.0
<i>SC5D</i>	sterol-C5-desaturase	211423_s_at	-1.348	0.001	771	362	-2.1	1.7	1.0

<i>SLC25A43</i>	solute carrier family 25 member 43	1557411_s_at	-1.348	0.001	339	220	-1.5	-1.1	ND
<i>SLC6A14</i>	solute carrier family 6 member 14	219795_at	-1.347	0.001	192	57	-3.4	2.6	1.0
<i>CD1C</i>	CD1c molecule	205987_at	-1.346	0.001	342	196	-1.7	-1.3	1.1
<i>DDX52</i>	DExD-box helicase 52	213637_at	-1.345	0.001	352	224	-1.6	1.7	-1.0
<i>CLU</i>	clusterin	208791_at	-1.343	0.001	583	359	-1.6	-1.0	-1.1
<i>LYPD5</i>	LY6/PLAUR domain containing 5	236039_at	-1.343	0.001	238	136	-1.7	-1.3	1.1
<i>DMD</i>	dystrophin	203881_s_at	-1.341	0.001	251	127	-2.0	-2.0	1.3
<i>RALGAPA1</i>	Ral GTPase activating protein catalytic alpha subunit 1	213049_at	-1.341	0.001	437	291	-1.5	-1.0	-1.9
<i>SERPINB13</i>	serpin family B member 13	217272_s_at	-1.340	0.001	1385	562	-2.5	2.9	1.3
<i>KRT17</i>	keratin 17	212236_x_at	-1.339	0.001	7348	4774	-1.5	1.8	1.2
<i>ANKRD44</i>	ankyrin repeat domain 44	226641_at	-1.337	0.001	308	197	-1.6	2.2	-3.3
<i>ATP11B</i>	ATPase phospholipid transporting 11B (putative)	212536_at	-1.333	0.001	439	280	-1.6	1.1	-1.1
<i>MAP2</i>	microtubule associated protein 2	225540_at	-1.333	0.001	556	288	-1.9	-2.1	2.3
<i>MYO5B</i>	myosin VB	225301_s_at	-1.332	0.001	491	283	-1.7	-1.1	1.2
<i>CFD</i>	complement factor D	205382_s_at	-1.328	0.001	1262	674	-1.9	-1.3	1.1
<i>CRYBG2</i>	crystallin beta-gamma domain containing 2	220289_s_at	-1.327	0.001	209	102	-2.0	1.0	-1.0
<i>YOD1</i>	YOD1 deubiquitinase	227309_at	-1.327	0.001	838	370	-2.3	1.5	1.2
<i>AGL</i>	amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase	203566_s_at	-1.326	0.001	449	276	-1.6	1.6	-1.3
<i>FCGBP</i>	Fc fragment of IgG binding protein	203240_at	-1.326	0.001	575	301	-1.9	-1.5	-1.0
<i>CD36</i>	CD36 molecule	206488_s_at	-1.325	0.001	859	516	-1.7	7.0	-2.6
<i>SLC2A1</i>	solute carrier family 2 member 1	201250_s_at	-1.325	0.001	520	340	-1.5	-1.4	1.8
<i>ACADM</i>	acyl-CoA dehydrogenase medium chain	202502_at	-1.325	0.001	1250	679	-1.8	1.2	-1.3
<i>SLC44A1</i>	solute carrier family 44 member 1	224596_at	-1.325	0.001	1522	997	-1.5	1.1	-2.7
<i>NQO2</i>	N-ribosyldihyronicotinamide:quinone reductase 2	203814_s_at	-1.325	0.001	865	550	-1.6	1.1	-1.5
<i>KCNK7</i>	potassium two pore domain channel subfamily K member 7	224055_x_at	-1.320	0.001	204	102	-2.0	-1.9	1.3
<i>BOK</i>	BCL2 family apoptosis regulator BOK	223349_s_at	-1.320	0.001	306	200	-1.5	1.1	-1.0

<i>ADTRP</i>	androgen dependent TFPI regulating protein	229070_at	-1.319	0.001	551	135	-4.1	1.3	-1.1
<i>MPZL2</i>	myelin protein zero like 2	203780_at	-1.318	0.001	622	286	-2.2	2.6	-1.0
<i>CDC42</i>	cell division cycle 42	208727_s_at	-1.317	0.001	1593	952	-1.7	1.4	-1.1
<i>HOOK1</i>	hook microtubule tethering protein 1	225792_at	-1.316	0.001	301	115	-2.6	1.4	1.0

Only probesets with unique annotations are shown.

ND, not determined