

Target genes of miRNA-1 predicated using TargetScan Software

Target gene	Representative transcript	Gene name	Total context score	Aggregate PCT
SRI	NM_003130	Sorcin	-0.77	0.84
FAM150B	NM_001002919	Family with sequence similarity 150, member B	-0.65	<0.1
C12orf4	NM_020374	Chromosome 12 open reading frame 4	-0.6	0.49
SLC44A1	NM_080546	Solute carrier family 44, member 1	-0.59	0.77
GJA1	NM_000165	Gap junction protein, alpha 1, 43kda	-0.58	0.88
KIAA2022	NM_001008537	Kiaa2022	-0.54	0.75
LPAR5	NM_001142961	Lysophosphatidic acid receptor 5	-0.51	0.21
CORO1C	NM_014325	Coronin, actin binding protein, 1C	-0.49	0.85
UST	NM_005715	Uronyl-2-sulfotransferase	-0.47	0.97
PRIC285	NM_001037335	Peroxisomal proliferator-activated receptor A interacting complex 285	-0.47	0.67
RIT2	NM_002930	Ras-like without CAAX 2	-0.44	0.77
SLC30A6	NM_001193513	Solute carrier family 30 (zinc transporter), member 6	-0.43	0.45
SERP1	NM_014445	Stress-associated endoplasmic reticulum protein 1	-0.41	0.96
HMCN1	NM_031935	Hemicentin 1	-0.41	0.54
TNKS2	NM_025235	Tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	-0.4	0.94
ARCN1	NM_001142281	Archain 1	-0.4	0.9
HNRNPU	NM_004501	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	-0.39	0.9
GPD2	NM_000408	Glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-0.39	0.86
IP6K2	NM_001005909	Inositol hexakisphosphate kinase 2	-0.39	0.8
FOXP1	NM_032682	Forkhead box P1	-0.39	0.58
PTPLAD1	NM_016395	Protein tyrosine phosphatase-like A domain containing 1	-0.38	0.93
TPM4	NM_001145160	Tropomyosin 4	-0.38	0.79
PDE7A	NM_001242318	Phosphodiesterase 7A	-0.38	0.78
BDNF	NM_001143805	Brain-derived neurotrophic factor	-0.38	0.98
RNF165	NM_152470	Ring finger protein 165	-0.38	0.9
CXCL11	NM_005409	Chemokine (C-X-C motif) ligand 11	-0.38	0.55
GNPDA2	NM_138335	Glucosamine-6-phosphate deaminase 2	-0.38	0.82
IGF1	NM_000618	Insulin-like growth factor 1 (somatomedin C)	-0.37	0.83
PHAX	NM_032177	Phosphorylated adaptor for RNA export	-0.37	0.83

MAP1A	NM_002373	Microtubule-associated protein 1A	-0.37	0.78
TWF1	NM_001242397	Twinfilin, actin-binding protein, homolog 1 (Drosophila)	-0.37	0.91
ADAR	NM_001025107	Adenosine deaminase, RNA-specific	-0.37	0.83
COL4A3	NM_000091	Collagen, type IV, alpha 3 (Goodpasture antigen)	-0.37	0.75
PGRMC1	NM_006667	Progesterone receptor membrane component 1	-0.37	0.64
MAL2	NM_052886	Mal, T-cell differentiation protein 2 (gene/pseudogene)	-0.37	0.41
PAX3	NM_001127366	Paired box 3	-0.36	0.7
CEBPZ	NM_005760	CCAAT/enhancer binding protein (C/EBP), zeta	-0.36	<0.1
CTTNBP2NL	NM_018704	CTTNBP2 N-terminal like	-0.36	0.83
EIF1AX	NM_001412	Eukaryotic translation initiation factor 1A, X-linked	-0.35	0.83
C1GALT1	NM_020156	Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	-0.35	0.4
OSBPL7	NM_145798	Oxysterol binding protein-like 7	-0.35	0.61
CD2AP	NM_012120	CD2-associated protein	-0.35	0.89
NRP1	NM_003873	Neuropilin 1	-0.35	0.82
FNDC3A	NM_001079673	Fibronectin type III domain containing 3A	-0.35	0.69
TACR1	NM_001058	Tachykinin receptor 1	-0.34	0.5
E2F5	NM_001083588	E2F transcription factor 5, p130-binding	-0.34	0.73
SLC6A15	NM_001146335	Solute carrier family 6 (neutral amino acid transporter), member 15	-0.34	0.33
TMEM178	NM_001167959	Transmembrane protein 178	-0.34	0.77
HIAT1	NM_033055	Hippocampus abundant transcript 1	-0.33	0.6
NDRG3	NM_022477	NDRG family member 3	-0.33	0.89
KIF2A	NM_001098511	Kinesin heavy chain member 2A	-0.33	0.73
PIRT	NM_001101387	Phosphoinositide-interacting regulator of transient receptor potential channels	-0.33	0.72
NXT2	NM_001242617	Nuclear transport factor 2-like export factor 2	-0.33	0.61
NCL	NM_005381	Nucleolin	-0.33	0.54
TRHDE	NM_013381	Thyrotropin-releasing hormone degrading enzyme	-0.33	0.35
BAG4	NM_001204878	BCL2-associated athanogene 4	-0.32	0.69
SRSF9	NM_003769	Serine/arginine-rich splicing factor 9	-0.32	0.81
GDAP1L1	NM_024034	Ganglioside-induced differentiation-associated protein 1-like 1	-0.32	0.8
FAM73B	NM_032809	Family with sequence similarity 73, member B	-0.32	0.84
LPPR4	NM_001166252	Lipid phosphate phosphatase-related protein type 4	-0.32	0.69
OTX2	NM_021728	Orthodenticle homeobox 2	-0.32	0.47

C16orf88	NM_001012991	Chromosome 16 open reading frame 88	-0.32	<0.1
SCAF11	NM_004719	SR-related CTD-associated factor 11	-0.32	0.4
STC2	NM_003714	Stanniocalcin 2	-0.32	0.9
ADPGK	NM_031284	ADP-dependent glucokinase	-0.32	0.81
FN1	NM_002026	Fibronectin 1	-0.32	<0.1
FAM18B2	NM_001135036	Family with sequence similarity 18, member B2	-0.32	<0.1
MCTP1	NM_001002796	Multiple C2 domains, transmembrane 1	-0.31	0.4
MON2	NM_015026	MON2 homolog (S. Cerevisiae)	-0.31	0.83
TMSB4X	NM_021109	Thymosin beta 4, X-linked	-0.31	0.77
RASA1	NM_002890	RAS p21 protein activator (gtpase activating protein) 1	-0.31	0.35
ANKIB1	NM_019004	Ankyrin repeat and IBR domain containing 1	-0.31	0.75
HS3ST3B1	NM_006041	Heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-0.31	0.83
NT5C2	NM_001134373	5'-nucleotidase, cytosolic II	-0.31	0.8
ETS1	NM_001143820	V-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	-0.31	0.79
JUB	NM_032876	Jub, ajuba homolog (Xenopus laevis)	-0.3	0.82
RSBN1	NM_018364	Round spermatid basic protein 1	-0.3	0.71
C1orf96	NM_145257	Chromosome 1 open reading frame 96	-0.3	0.56
TADA2B	NM_152293	Transcriptional adaptor 2B	-0.3	0.44
UNC50	NM_014044	Unc-50 homolog (C. Elegans)	-0.3	0.6
EDN1	NM_001168319	Endothelin 1	-0.3	0.46
MATR3	NM_001194954	Matrin 3	-0.3	0.83
PLXNA4	NM_020911	Plexin A4	-0.3	0.16
MLL5	NM_018682	Myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	-0.3	0.55
CLTC	NM_004859	Clathrin, heavy chain (Hc)	-0.3	0.97
MIPOL1	NM_001195296	Mirror-image polydactyly 1	-0.3	0.89
MGAT4A	NM_012214	Mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	-0.3	0.83
GCH1	NM_000161	GTP cyclohydrolase 1	-0.3	0.24
C11orf61	NM_024631	Chromosome 11 open reading frame 61	-0.3	0.8
ANKRD34C	NM_001146341	Ankyrin repeat domain 34C	-0.29	0.53
GPR6	NM_005284	G protein-coupled receptor 6	-0.29	0.38
FNDC3B	NM_001135095	Fibronectin type III domain containing 3B	-0.29	0.83
TNS3	NM_022748	Tensin 3	-0.29	<0.1

TPM3	NM_001043351	Tropomyosin 3	-0.29	0.83
SNX2	NM_003100	Sorting nexin 2	-0.29	0.74
AZIN1	NM_015878	Antizyme inhibitor 1	-0.29	0.75
CXorf1	NM_004709	Chromosome X open reading frame 1	-0.29	<0.1
TPPP	NM_007030	Tubulin polymerization promoting protein	-0.29	0.78
TBC1D15	NM_001146213	TBC1 domain family, member 15	-0.29	0.83
C2orf69	NM_153689	Chromosome 2 open reading frame 69	-0.29	0.78
C4orf34	NM_174921	Chromosome 4 open reading frame 34	-0.29	0.81
ZNF280D	NM_001002843	Zinc finger protein 280D	-0.29	0.77
UBE4A	NM_001204077	Ubiquitination factor E4A	-0.29	0.76
SLC39A10	NM_001127257	Solute carrier family 39 (zinc transporter), member 10	-0.28	0.87
TRIM2	NM_001130067	Tripartite motif containing 2	-0.28	0.85
DPT	NM_001937	Dermatopontin	-0.28	<0.1
SETBP1	NM_015559	SET binding protein 1	-0.28	0.53
HOXB4	NM_024015	Homeobox B4	-0.28	0.74
ABHD2	NM_007011	Abhydrolase domain containing 2	-0.28	0.83
ATXN1L	NM_001137675	Ataxin 1-like	-0.28	0.51
SMARCB1	NM_001007468	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	-0.28	0.63
MET	NM_000245	Met proto-oncogene (hepatocyte growth factor receptor)	-0.28	0.62
DCAF12L1	NM_178470	DDB1 and CUL4 associated factor 12-like 1	-0.28	0.35
BSCL2	NM_001122955	Berardinelli-Seip congenital lipodystrophy 2 (seipin)	-0.28	0.33
MEOX2	NM_005924	Mesenchyme homeobox 2	-0.27	0.35
UHMK1	NM_001184763	U2AF homology motif (UHM) kinase 1	-0.27	0.88
MMD	NM_012329	Monocyte to macrophage differentiation-associated	-0.27	0.87
GDI1	NM_001493	GDP dissociation inhibitor 1	-0.27	0.48
SLC38A3	NM_006841	Solute carrier family 38, member 3	-0.27	0.6
ARL10	NM_173664	ADP-ribosylation factor-like 10	-0.27	<0.1
UBE2H	NM_001202498	Ubiquitin-conjugating enzyme E2H	-0.27	0.89
C9orf82	NM_001167575	Chromosome 9 open reading frame 82	-0.27	0.79
KIAA1462	NM_020848	Kiaa1462	-0.27	0.41
RNF213	NM_020914	Ring finger protein 213	-0.27	0.5
PIIB	NM_000942	Peptidylprolyl isomerase B (cyclophilin B)	-0.27	0.38

TRA2B	NM_004593	Transformer 2 beta homolog (Drosophila)	-0.26	0.9
IFT80	NM_001190241	Intraflagellar transport 80 homolog (Chlamydomonas)	-0.26	0.4
ARF3	NM_001659	ADP-ribosylation factor 3	-0.26	0.57
CLCN3	NM_001829	Chloride channel 3	-0.26	0.6
CPLX2	NM_001008220	Complexin 2	-0.26	0.87
NAMPT	NM_005746	Nicotinamide phosphoribosyltransferase	-0.26	0.79
G6PD	NM_000402	Glucose-6-phosphate dehydrogenase	-0.26	0.94
FRS2	NM_001042555	Fibroblast growth factor receptor substrate 2	-0.26	0.83
PDCD10	NM_007217	Programmed cell death 10	-0.26	0.76
KCTD13	NM_178863	Potassium channel tetramerisation domain containing 13	-0.26	0.59
PDIK1L	NM_152835	PDLIM1 interacting kinase 1 like	-0.26	0.9
PLA2G4A	NM_024420	Phospholipase A2, group IVA (cytosolic, calcium-dependent)	-0.26	0.73
MYLK	NM_053025	Myosin light chain kinase	-0.26	0.59
SYN3	NM_001135774	Synapsin III	-0.26	<0.1
GAS2L1	NM_006478	Growth arrest-specific 2 like 1	-0.25	0.58
KTN1	NM_001079521	Kinectin 1 (kinesin receptor)	-0.25	0.74
LCOR	NM_001170765	Ligand dependent nuclear receptor corepressor	-0.25	0.89
STARD7	NM_020151	Star-related lipid transfer (START) domain containing 7	-0.25	0.72
KDSR	NM_002035	3-ketodihydrosphingosine reductase	-0.25	<0.1
FUBP1	NM_003902	Far upstream element (FUSE) binding protein 1	-0.25	0.82
RAB43	NM_001204883	RAB43, member RAS oncogene family	-0.25	0.74
CREM	NM_181571	Camp responsive element modulator	-0.25	0.63
FNIP2	NM_020840	Folliculin interacting protein 2	-0.25	0.29
DNAJC6	NM_014787	Dnaj (Hsp40) homolog, subfamily C, member 6	-0.24	0.41
YWHAZ	NM_001135699	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-0.24	0.88
WDR48	NM_020839	WD repeat domain 48	-0.24	0.81
HSP90B1	NM_003299	Heat shock protein 90kda beta (Grp94), member 1	-0.24	0.72
EML3	NM_153265	Echinoderm microtubule associated protein like 3	-0.24	0.83
USP33	NM_015017	Ubiquitin specific peptidase 33	-0.24	0.82
WIPF2	NM_133264	WAS/WASL interacting protein family, member 2	-0.24	0.71
TSPAN4	NM_001025234	Tetraspanin 4	-0.24	0.52
ACER2	NM_001010887	Alkaline ceramidase 2	-0.24	0.73

VAMP4	NM_001185127	Vesicle-associated membrane protein 4	-0.24	0.81
NFATC3	NM_004555	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-0.24	0.96
UNC119B	NM_001080533	Unc-119 homolog B (C. Elegans)	-0.24	0.64
KLHL5	NM_001007075	Kelch-like 5 (Drosophila)	-0.24	0.91
ARIH1	NM_005744	Ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	-0.24	0.27
PTPRG	NM_002841	Protein tyrosine phosphatase, receptor type, G	-0.24	0.7
SLC35B4	NM_032826	Solute carrier family 35, member B4	-0.23	0.43
TMEM55B	NM_001100814	Transmembrane protein 55B	-0.23	0.82
NAP1L5	NM_153757	Nucleosome assembly protein 1-like 5	-0.23	0.52
DDX5	NM_004396	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	-0.23	0.83
GLIS2	NM_032575	GLIS family zinc finger 2	-0.23	0.88
FAM126A	NM_032581	Family with sequence similarity 126, member A	-0.23	0.83
NETO1	NM_138966	Neuropilin (NRP) and tolloid (TLL)-like 1	-0.23	0.81
ZNF236	NM_007345	Zinc finger protein 236	-0.23	0.79
HMGCR	NM_000859	3-hydroxy-3-methylglutaryl-coa reductase	-0.23	0.76
RSPO3	NM_032784	R-spondin 3	-0.23	0.59
C20orf112	NM_080616	Chromosome 20 open reading frame 112	-0.23	0.79
ANKRD13C	NM_030816	Ankyrin repeat domain 13C	-0.23	0.6
ANXA2	NM_001002857	Annexin A2	-0.23	0.82
SFXN5	NM_144579	Sideroflexin 5	-0.22	0.74
TEX2	NM_018469	Testis expressed 2	-0.22	0.45
ANKRD29	NM_173505	Ankyrin repeat domain 29	-0.22	<0.1
SPATS2L	NM_001100422	Spermatogenesis associated, serine-rich 2-like	-0.22	0.95
PHKG2	NM_000294	Phosphorylase kinase, gamma 2 (testis)	-0.22	0.54
SMEK2	NM_001122964	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	-0.22	0.75
ATP6V1A	NM_001690	Atpase, H+ transporting, lysosomal 70kda, V1 subunit A	-0.22	0.82
CNN3	NM_001839	Calponin 3, acidic	-0.22	0.76
ALPL	NM_000478	Alkaline phosphatase, liver/bone/kidney	-0.22	0.47
PHF6	NM_001015877	PHD finger protein 6	-0.22	0.34
CYB5B	NM_030579	Cytochrome b5 type B (outer mitochondrial membrane)	-0.21	0.42
RRBP1	NM_001042576	Ribosome binding protein 1 homolog 180kda (dog)	-0.21	0.8
CITED2	NM_001168388	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	-0.21	0.43

KCNIP3	NM_001034914	Kv channel interacting protein 3, calsenilin	-0.21	0.88
UTRN	NM_007124	Utrophin	-0.21	0.6
API5	NM_001142930	Apoptosis inhibitor 5	-0.21	0.53
MAPKBP1	NM_001128608	Mitogen-activated protein kinase binding protein 1	-0.21	0.8
ARHGEF18	NM_001130955	Rho/Rac guanine nucleotide exchange factor (GEF) 18	-0.21	0.62
MXD1	NM_001202513	MAX dimerization protein 1	-0.21	0.88
BACH2	NM_001170794	BTB and CNC homology 1, basic leucine zipper transcription factor 2	-0.21	0.92
C5orf51	NM_175921	Chromosome 5 open reading frame 51	-0.21	0.92
SNAP25	NM_003081	Synaptosomal-associated protein, 25kda	-0.21	0.81
SULF1	NM_001128204	Sulfatase 1	-0.2	0.26
ELOF1	NM_032377	Elongation factor 1 homolog (S. Cerevisiae)	-0.2	0.76
EFNB2	NM_004093	Ephrin-B2	-0.2	0.55
PAX7	NM_001135254	Paired box 7	-0.2	0.97
XPO6	NM_015171	Exportin 6	-0.2	0.88
CPEB1	NM_001079533	Cytoplasmic polyadenylation element binding protein 1	-0.2	0.74
SPTBN1	NM_178313	Spectrin, beta, non-erythrocytic 1	-0.2	0.86
HMBOX1	NM_001135726	Homeobox containing 1	-0.2	0.4
MAF	NM_001031804	V-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	-0.2	0.43
SEC63	NM_007214	SEC63 homolog (S. Cerevisiae)	-0.2	0.81
MECOM	NM_001105077	MDS1 and EVI1 complex locus	-0.2	0.75
C7orf23	NM_024315	Chromosome 7 open reading frame 23	-0.2	0.42
SLC37A3	NM_032295	Solute carrier family 37 (glycerol-3-phosphate transporter), member 3	-0.2	0.81
DHX15	NM_001358	DEAH (Asp-Glu-Ala-His) box polypeptide 15	-0.2	0.63
MRPL35	NM_016622	Mitochondrial ribosomal protein L35	-0.2	0.38
C2orf68	NM_001013649	Chromosome 2 open reading frame 68	-0.2	0.41
SLC10A7	NM_001029998	Solute carrier family 10 (sodium/bile acid cotransporter family), member 7	-0.2	<0.1
C15orf54	NM_207445	Chromosome 15 open reading frame 54	-0.19	0.75
NOTCH3	NM_000435	Notch 3	-0.19	0.67
AKAP11	NM_016248	A kinase (PRKA) anchor protein 11	-0.19	0.83
BET1	NM_005868	Blocked early in transport 1 homolog (S. Cerevisiae)	-0.19	0.77
TNPO2	NM_001136195	Transportin 2	-0.19	0.83
GPR125	NM_145290	G protein-coupled receptor 125	-0.19	0.8

ZBTB4	NM_001128833	Zinc finger and BTB domain containing 4	-0.19	0.62
SPRED1	NM_152594	Sprouty-related, EVH1 domain containing 1	-0.19	0.83
ZXDB	NM_007157	Zinc finger, X-linked, duplicated B	-0.19	0.48
GIT1	NM_001085454	G protein-coupled receptor kinase interacting arfgap 1	-0.19	0.7
OLFML2A	NM_182487	Olfactomedin-like 2A	-0.19	0.81
SPTLC3	NM_018327	Serine palmitoyltransferase, long chain base subunit 3	-0.19	0.75
TRAPPC3	NM_014408	Trafficking protein particle complex 3	-0.19	0.47
SLC25A36	NM_001104647	Solute carrier family 25, member 36	-0.19	0.81
ZNF827	NM_178835	Zinc finger protein 827	-0.19	0.77
EAF1	NM_033083	ELL associated factor 1	-0.18	<0.1
KANK4	NM_181712	KN motif and ankyrin repeat domains 4	-0.18	0.78
UBR5	NM_015902	Ubiquitin protein ligase E3 component n-recognin 5	-0.18	0.76
SP2	NM_003110	Sp2 transcription factor	-0.18	0.8
MAB21L1	NM_005584	Mab-21-like 1 (C. Elegans)	-0.18	0.83
YWHAB	NM_003404	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-0.18	0.73
FAM155A	NM_001080396	Family with sequence similarity 155, member A	-0.18	0.65
EIF4E	NM_001130678	Eukaryotic translation initiation factor 4E	-0.18	0.83
WDR1	NM_005112	WD repeat domain 1	-0.18	0.78
NCOA1	NM_003743	Nuclear receptor coactivator 1	-0.17	0.69
JOSD1	NM_014876	Josephin domain containing 1	-0.17	0.9
HSPD1	NM_002156	Heat shock 60kda protein 1 (chaperonin)	-0.17	0.74
ISY1-RAB43	NM_001204890	ISY1-RAB43 readthrough	-0.17	0.74
ARFIP1	NM_001025593	ADP-ribosylation factor interacting protein 1	-0.17	0.32
FRMD8	NM_031904	FERM domain containing 8	-0.17	<0.1
SPEG	NM_005876	SPEG complex locus	-0.17	0.77
ZNF580	NM_001163423	Zinc finger protein 580	-0.17	0.8
KAT6A	NM_001099412	K(lysine) acetyltransferase 6A	-0.17	0.56
BSN	NM_003458	Bassoon (presynaptic cytomatrix protein)	-0.17	0.97
BZRAP1	NM_004758	Benzodiazapine receptor (peripheral) associated protein 1	-0.17	0.28
TTC7B	NM_001010854	Tetratricopeptide repeat domain 7B	-0.17	0.72
PHLDA2	NM_003311	Pleckstrin homology-like domain, family A, member 2	-0.17	0.72
SRC	NM_005417	V-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	-0.17	<0.1



RNF111	NM_017610	Ring finger protein 111	-0.17	0.65
PDPN	NM_001006624	Podoplanin	-0.17	0.51
TSPYL4	NM_021648	TSPY-like 4	-0.17	0.88
CAP1	NM_001105530	CAP, adenylate cyclase-associated protein 1 (yeast)	-0.17	0.73
TCF20	NM_005650	Transcription factor 20 (AR1)	-0.17	< 0.1
LRCH1	NM_001164213	Leucine-rich repeats and calponin homology (CH) domain containing 1	-0.17	0.92
MNT	NM_020310	MAX binding protein	-0.17	0.83
PI4KA	NM_002650	Phosphatidylinositol 4-kinase, catalytic, alpha	-0.17	0.79
RNF38	NM_022781	Ring finger protein 38	-0.17	0.64
MCHR1	NM_005297	Melanin-concentrating hormone receptor 1	-0.17	0.29
SNAI2	NM_003068	Snail homolog 2 (Drosophila)	-0.17	0.38
GNPNAT1	NM_198066	Glucosamine-phosphate N-acetyltransferase 1	-0.16	0.68
TGIF2	NM_001199513	TGFB-induced factor homeobox 2	-0.16	0.78
SASH1	NM_015278	SAM and SH3 domain containing 1	-0.16	0.74
CXorf23	NM_198279	Chromosome X open reading frame 23	-0.16	0.61
THBS1	NM_003246	Thrombospondin 1	-0.16	0.47
C1orf95	NM_001003665	Chromosome 1 open reading frame 95	-0.16	0.66
MYOCD	NM_001146312	Myocardin	-0.16	0.98
SMYD4	NM_052928	SET and MYND domain containing 4	-0.16	0.79
SLC8A2	NM_015063	Solute carrier family 8 (sodium/calcium exchanger), member 2	-0.16	0.8
YIPF5	NM_001024947	Yip1 domain family, member 5	-0.16	0.6
SLC25A22	NM_001191060	Solute carrier family 25 (mitochondrial carrier: glutamate), member 22	-0.16	0.72
CDC42SE1	NM_001038707	CDC42 small effector 1	-0.16	0.71
ZBTB6	NM_006626	Zinc finger and BTB domain containing 6	-0.16	0.63
PLEKHO2	NM_001195059	Pleckstrin homology domain containing, family O member 2	-0.16	0.82
HNRNPK	NM_002140	Heterogeneous nuclear ribonucleoprotein K	-0.16	0.71
DLG4	NM_001128827	Discs, large homolog 4 (Drosophila)	-0.16	0.69
CORO1B	NM_001018070	Coronin, actin binding protein, 1B	-0.16	0.64
MAPK3	NM_001040056	Mitogen-activated protein kinase 3	-0.16	0.59
MAP4K3	NM_003618	Mitogen-activated protein kinase kinase kinase kinase 3	-0.16	0.56
PRRC1	NM_130809	Proline-rich coiled-coil 1	-0.16	0.39
TMCC1	NM_001017395	Transmembrane and coiled-coil domain family 1	-0.16	0.81

LMBR1	NM_022458	Limb region 1 homolog (mouse)	-0.15	0.82
MAP3K1	NM_005921	Mitogen-activated protein kinase kinase kinase 1	-0.15	0.58
MPP7	NM_173496	Membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-0.15	0.89
BPNT1	NM_006085	3'(2'), 5'-bisphosphate nucleotidase 1	-0.15	0.78
SH3BGRL3	NM_031286	SH3 domain binding glutamic acid-rich protein like 3	-0.15	0.72
ZNF148	NM_021964	Zinc finger protein 148	-0.15	0.94
MEX3C	NM_016626	Mex-3 homolog C (C. Elegans)	-0.15	0.82
ZNF217	NM_006526	Zinc finger protein 217	-0.15	0.72
POLA1	NM_016937	Polymerase (DNA directed), alpha 1, catalytic subunit	-0.15	0.35
AKAP13	NM_006738	A kinase (PRKA) anchor protein 13	-0.15	0.83
EYA4	NM_004100	Eyes absent homolog 4 (Drosophila)	-0.15	0.83
DLG2	NM_001142699	Discs, large homolog 2 (Drosophila)	-0.15	0.71
POGK	NM_017542	Pogo transposable element with KRAB domain	-0.15	0.62
PTPN14	NM_005401	Protein tyrosine phosphatase, non-receptor type 14	-0.15	0.89
PICALM	NM_001008660	Phosphatidylinositol binding clathrin assembly protein	-0.15	0.75
AP1S1	NM_001283	Adaptor-related protein complex 1, sigma 1 subunit	-0.15	0.72
STK39	NM_013233	Serine threonine kinase 39	-0.15	0.44
AP3D1	NM_001077523	Adaptor-related protein complex 3, delta 1 subunit	-0.15	0.83
NUP50	NM_007172	Nucleoporin 50kda	-0.15	0.81
GLCE	NM_015554	Glucuronic acid epimerase	-0.15	0.66
BCL7A	NM_001024808	B-cell CLL/lymphoma 7A	-0.15	0.88
STX6	NM_005819	Syntaxin 6	-0.15	0.75
MED1	NM_004774	Mediator complex subunit 1	-0.15	0.65
A1CF	NM_001198818	APOBEC1 complementation factor	-0.15	< 0.1
CREBL2	NM_001310	Camp responsive element binding protein-like 2	-0.15	0.9
PRKCE	NM_005400	Protein kinase C, epsilon	-0.15	0.41
NINJ1	NM_004148	Ninjurin 1	-0.14	0.33
GCLC	NM_001197115	Glutamate-cysteine ligase, catalytic subunit	-0.14	0.74
FUBP3	NM_003934	Far upstream element (FUSE) binding protein 3	-0.14	0.59
KCTD10	NM_031954	Potassium channel tetramerisation domain containing 10	-0.14	0.77
BOLL	NM_033030	Bol, boule-like (Drosophila)	-0.14	0.52
ATP6AP2	NM_005765	Atpase, H+ transporting, lysosomal accessory protein 2	-0.14	0.69

TECPR2	NM_014844	Tectonin beta-propeller repeat containing 2	-0.14	0.43
ATG13	NM_001142673	ATG13 autophagy related 13 homolog (S. Cerevisiae)	-0.14	0.76
ZMAT3	NM_022470	Zinc finger, matrin-type 3	-0.14	0.73
NR4A2	NM_006186	Nuclear receptor subfamily 4, group A, member 2	-0.14	0.71
SEC61A1	NM_013336	Sec61 alpha 1 subunit (S. Cerevisiae)	-0.14	0.72
TCP11L1	NM_001145541	T-complex 11 (mouse)-like 1	-0.14	0.4
TAOK3	NM_016281	TAO kinase 3	-0.14	0.71
HAND2	NM_021973	Heart and neural crest derivatives expressed 2	-0.14	0.51
LRRC8A	NM_001127244	Leucine rich repeat containing 8 family, member A	-0.14	0.8
MTSS1	NM_014751	Metastasis suppressor 1	-0.14	0.47
KIAA1522	NM_001198972	Kiaa1522	-0.14	0.4
ZNF146	NM_001099638	Zinc finger protein 146	-0.14	0.27
CHST11	NM_001173982	Carbohydrate (chondroitin 4) sulfotransferase 11	-0.13	0.42
H3F3B	NM_005324	H3 histone, family 3B (H3.3B)	-0.13	0.82
C7orf28B	NM_198097	Chromosome 7 open reading frame 28B	-0.13	0.62
CTBP2	NM_001083914	C-terminal binding protein 2	-0.13	0.82
CALM2	NM_001743	Calmodulin 2 (phosphorylase kinase, delta)	-0.13	0.57
NCK2	NM_001004720	NCK adaptor protein 2	-0.13	0.53
AKAP12	NM_005100	A kinase (PRKA) anchor protein 12	-0.13	0.43
SYT1	NM_001135805	Synaptotagmin I	-0.13	0.79
TMEM135	NM_001168724	Transmembrane protein 135	-0.13	0.82
SRSF3	NM_003017	Serine/arginine-rich splicing factor 3	-0.13	0.82
UBE2G1	NM_003342	Ubiquitin-conjugating enzyme E2G 1	-0.13	0.44
DGKG	NM_001080744	Diacylglycerol kinase, gamma 90kda	-0.13	0.68
BAIAP2	NM_017450	BAI1-associated protein 2	-0.13	0.55
SRGAP2	NM_001170637	SLIT-ROBO Rho gtpase activating protein 2	-0.13	0.65
FAM102A	NM_001035254	Family with sequence similarity 102, member A	-0.13	0.54
NMT2	NM_004808	N-myristoyltransferase 2	-0.13	0.74
SLC35F1	NM_001029858	Solute carrier family 35, member F1	-0.13	0.57
CCDC141	NM_173648	Coiled-coil domain containing 141	-0.13	0.38
TAGLN2	NM_003564	Transgelin 2	-0.12	0.71
FAM84A	NM_145175	Family with sequence similarity 84, member A	-0.12	0.88

JUND	NM_005354	Jun D proto-oncogene	-0.12	0.73
RSBN1L	NM_198467	Round spermatid basic protein 1-like	-0.12	0.55
CERS2	NM_022075	Ceramide synthase 2	-0.12	0.78
TBP	NM_001172085	TATA box binding protein	-0.12	0.8
RNGTT	NM_003800	RNA guanylyltransferase and 5'-phosphatase	-0.12	0.8
KHSRP	NM_003685	KH-type splicing regulatory protein	-0.12	0.8
DLG1	NM_001098424	Discs, large homolog 1 (Drosophila)	-0.12	0.49
BTAF1	NM_003972	BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kda (Mot1 homolog, S. Cerevisiae)	-0.12	0.45
SYNRG	NM_001163544	Synergin, gamma	-0.12	0.49
HOXA3	NM_030661	Homeobox A3	-0.12	0.82
MAGI2	NM_012301	Membrane associated guanylate kinase, WW and PDZ domain containing 2	-0.12	0.49
C7orf58	NM_024913	Chromosome 7 open reading frame 58	-0.12	0.83
TGFBR3	NM_001195683	Transforming growth factor, beta receptor III	-0.12	0.8
DDX17	NM_001098504	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-0.12	0.81
SMAP1	NM_001044305	Small arfgap 1	-0.12	0.66
ZFP36L2	NM_006887	Zinc finger protein 36, C3H type-like 2	-0.12	0.52
SEC22B	NM_004892	SEC22 vesicle trafficking protein homolog B (S. Cerevisiae) (gene/pseudogene)	-0.12	0.76
DMPK	NM_001081560	Dystrophia myotonica-protein kinase	-0.12	0.74
SLC16A12	NM_213606	Solute carrier family 16, member 12 (monocarboxylic acid transporter 12)	-0.11	0.46
KLF4	NM_004235	Kruppel-like factor 4 (gut)	-0.11	0.41
MXD4	NM_006454	MAX dimerization protein 4	-0.11	0.69
MAP4K2	NM_004579	Mitogen-activated protein kinase kinase kinase kinase 2	-0.11	0.55
WASL	NM_003941	Wiskott-Aldrich syndrome-like	-0.11	0.39
FOSB	NM_001114171	FBJ murine osteosarcoma viral oncogene homolog B	-0.11	0.85
YES1	NM_005433	V-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	-0.11	0.75
DAAM1	NM_014992	Dishevelled associated activator of morphogenesis 1	-0.11	0.77
POLDIP3	NM_032311	Polymerase (DNA-directed), delta interacting protein 3	-0.11	0.72
PIK3C2A	NM_002645	Phosphoinositide-3-kinase, class 2, alpha polypeptide	-0.11	0.84
SLC39A9	NM_018375	Solute carrier family 39 (zinc transporter), member 9	-0.11	0.81
PTMA	NM_001099285	Prothymosin, alpha	-0.11	0.46
C10orf26	NM_001083913	Chromosome 10 open reading frame 26	-0.11	0.96
FZD7	NM_003507	Frizzled family receptor 7	-0.11	0.79

ANXA4	NM_001153	Annexin A4	-0.11	0.78
MEIS1	NM_002398	Meis homeobox 1	-0.11	0.67
ARHGEF3	NM_001128615	Rho guanine nucleotide exchange factor (GEF) 3	-0.11	0.68
FAM69A	NM_001006605	Family with sequence similarity 69, member A	-0.11	0.45
TOMM70A	NM_014820	Translocase of outer mitochondrial membrane 70 homolog A ( <i>S. Cerevisiae</i> )	-0.11	0.76
NEDD4L	NM_001144964	Neural precursor cell expressed, developmentally down-regulated 4-like	-0.11	0.72
SLC25A1	NM_005984	Solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	-0.11	0.53
LEF1	NM_001130713	Lymphoid enhancer-binding factor 1	-0.11	0.4
FBXO33	NM_203301	F-box protein 33	-0.1	0.82
HNRNPA3	NM_194247	Heterogeneous nuclear ribonucleoprotein A3	-0.1	0.6
RAP1B	NM_001010942	RAP1B, member of RAS oncogene family	-0.1	0.41
MINK1	NM_001024937	Misshapen-like kinase 1	-0.1	0.31
PEAK1	NM_024776	NKF3 kinase family member	-0.1	0.52
SEC62	NM_003262	SEC62 homolog ( <i>S. Cerevisiae</i> )	-0.1	0.83
LETM1	NM_012318	Leucine zipper-EF-hand containing transmembrane protein 1	-0.1	0.81
DGKZ	NM_001105540	Diacylglycerol kinase, zeta	-0.1	0.62
CDK9	NM_001261	Cyclin-dependent kinase 9	-0.1	0.5
GPR158	NM_020752	G protein-coupled receptor 158	-0.1	0.57
SRSF1	NM_001078166	Serine/arginine-rich splicing factor 1	-0.1	0.83
CASKIN2	NM_001142643	CASK interacting protein 2	-0.1	0.72
PLAG1	NM_001114634	Pleiomorphic adenoma gene 1	-0.1	0.59
ZZZ3	NM_015534	Zinc finger, ZZ-type containing 3	-0.1	0.48
SLC38A2	NM_018976	Solute carrier family 38, member 2	-0.1	0.45
RNF138	NM_001191324	Ring finger protein 138	-0.1	0.77
PTBP1	NM_002819	Polypyrimidine tract binding protein 1	-0.1	0.77
LASP1	NM_006148	LIM and SH3 protein 1	-0.1	0.7
FAM117B	NM_173511	Family with sequence similarity 117, member B	-0.1	0.1
VEGFA	NM_001025366	Vascular endothelial growth factor A	-0.1	0.8
SEMA6D	NM_001198999	Sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	-0.1	0.36
NRP2	NM_003872	Neuropilin 2	-0.1	0.72
FBXL20	NM_001184906	F-box and leucine-rich repeat protein 20	-0.1	0.64
MUM1L1	NM_001171020	Melanoma associated antigen (mutated) 1-like 1	-0.1	0.61

BLCAP	NM_001167820	Bladder cancer associated protein	-0.1	0.77
SGIP1	NM_032291	SH3-domain GRB2-like (endophilin) interacting protein 1	-0.1	0.49
LARP4	NM_001170803	La ribonucleoprotein domain family, member 4	-0.1	0.8
FBXW7	NM_001013415	F-box and WD repeat domain containing 7	-0.1	0.74
EPB41L4B	NM_018424	Erythrocyte membrane protein band 4.1 like 4B	-0.1	0.7
SDCBP	NM_001007067	Syndecan binding protein (syntenin)	-0.1	0.58
ZFP36L1	NM_004926	Zinc finger protein 36, C3H type-like 1	-0.09	0.82
THRB	NM_000461	Thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	-0.09	0.82
NECAB1	NM_022351	N-terminal EF-hand calcium binding protein 1	-0.09	0.64
TBX3	NM_005996	T-box 3	-0.09	0.47
HSPE1	NM_002157	Heat shock 10kda protein 1 (chaperonin 10)	-0.09	0.57
PPP2R5A	NM_001199756	Protein phosphatase 2, regulatory subunit B', alpha	-0.09	0.42
SLC24A4	NM_153646	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	-0.09	0.42
RAP1A	NM_001010935	RAP1A, member of RAS oncogene family	-0.09	0.55
SS18	NM_001007559	Synovial sarcoma translocation, chromosome 18	-0.09	0.39
CTNND1	NM_001085458	Catenin (cadherin-associated protein), delta 1	-0.09	0.75
GTF2B	NM_001514	General transcription factor IIB	-0.09	0.7
ZBTB7B	NM_015872	Zinc finger and BTB domain containing 7B	-0.09	0.55
RARB	NM_000965	Retinoic acid receptor, beta	-0.09	0.75
PTPN1	NM_002827	Protein tyrosine phosphatase, non-receptor type 1	-0.09	0.88
FAM91A1	NM_144963	Family with sequence similarity 91, member A1	-0.09	0.81
RAPGEF2	NM_014247	Rap guanine nucleotide exchange factor (GEF) 2	-0.09	0.53
RICTOR	NM_152756	RPTOR independent companion of MTOR, complex 2	-0.09	0.81
PARVA	NM_018222	Parvin, alpha	-0.09	0.79
HP1BP3	NM_016287	Heterochromatin protein 1, binding protein 3	-0.09	0.64
ACPL2	NM_001037172	Acid phosphatase-like 2	-0.09	0.51
GNPTAB	NM_024312	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	-0.09	0.61
MPZ	NM_000530	Myelin protein zero	-0.09	0.57
ATG14	NM_014924	ATG14 autophagy related 14 homolog (S. Cerevisiae)	-0.09	0.28
KLHL15	NM_030624	Kelch-like 15 (Drosophila)	-0.09	0.77
MTX1	NM_002455	Metaxin 1	-0.09	0.67
ZMYND11	NM_001202464	Zinc finger, MYND-type containing 11	-0.08	0.56

ATP6V1B2	NM_001693	Atpase, H <sup>+</sup> transporting, lysosomal 56/58kda, V1 subunit B2	-0.08	0.51
CDK6	NM_001145306	Cyclin-dependent kinase 6	-0.08	0.72
IGFBP5	NM_000599	Insulin-like growth factor binding protein 5	-0.08	0.69
ARHGAP21	NM_020824	Rho gtpase activating protein 21	-0.08	0.58
KCNA5	NM_002234	Potassium voltage-gated channel, shaker-related subfamily, member 5	-0.08	0.53
TIMP3	NM_000362	TIMP metalloproteinase inhibitor 3	-0.08	0.95
FAM101B	NM_182705	Family with sequence similarity 101, member B	-0.08	0.76
GXYLT1	NM_001099650	Glucoside xylosyltransferase 1	-0.08	0.6
KIAA1147	NM_001080392	Kiaa1147	-0.08	0.35
HIVEP2	NM_006734	Human immunodeficiency virus type I enhancer binding protein 2	-0.08	0.75
PCDH17	NM_001040429	Protocadherin 17	-0.08	0.48
PDCD4	NM_001199492	Programmed cell death 4 (neoplastic transformation inhibitor)	-0.08	0.82
BCL11A	NM_022893	B-cell CLL/lymphoma 11A (zinc finger protein)	-0.08	0.55
STAG2	NM_001042749	Stromal antigen 2	-0.08	0.47
CBL	NM_005188	Cas-Br-M (murine) ecotropic retroviral transforming sequence	-0.08	0.42
CASK	NM_001126054	Calcium/calmodulin-dependent serine protein kinase (MAGUK family)	-0.08	0.83
PDGFA	NM_002607	Platelet-derived growth factor alpha polypeptide	-0.08	0.83
HACE1	NM_020771	HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase 1	-0.07	0.67
PLCG1	NM_002660	Phospholipase C, gamma 1	-0.07	0.49
OTUD1	NM_001145373	OTU domain containing 1	-0.07	0.41
IL6ST	NM_001190981	Interleukin 6 signal transducer (gp130, oncostatin M receptor)	-0.07	0.41
WASF2	NM_001201404	WAS protein family, member 2	-0.07	0.6
ABCA1	NM_005502	ATP-binding cassette, sub-family A (ABC1), member 1	-0.07	0.78
PEA15	NM_003768	Phosphoprotein enriched in astrocytes 15	-0.07	0.56
RERE	NM_001042681	Arginine-glutamic acid dipeptide (RE) repeats	-0.07	0.53
PIAS3	NM_006099	Protein inhibitor of activated STAT, 3	-0.07	0.4
CREB5	NM_001011666	Camp responsive element binding protein 5	-0.07	0.87
WBP2	NM_012478	WW domain binding protein 2	-0.07	0.74
LRAT	NM_004744	Lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)	-0.07	0.29
ANKRD23	NM_144994	Ankyrin repeat domain 23	-0.07	0.76
SMG1	NM_015092	Smg-1 homolog, phosphatidylinositol 3-kinase-related kinase (C. Elegans)	-0.06	0.56
WNK3	NM_001002838	WNK lysine deficient protein kinase 3	-0.06	0.64

DNAJC5	NM_025219	Dnaj (Hsp40) homolog, subfamily C, member 5	-0.06	0.78
ISL2	NM_145805	ISL LIM homeobox 2	-0.06	0.5
PIM1	NM_002648	Pim-1 oncogene	-0.06	0.74
KDM5C	NM_001146702	Lysine (K)-specific demethylase 5C	-0.06	0.75
KLF13	NM_015995	Kruppel-like factor 13	>-0.06	0.96
DGKE	NM_003647	Diacylglycerol kinase, epsilon 64kda	>-0.06	0.68
CCND2	NM_001759	Cyclin D2	-0.06	0.63
RAB3B	NM_002867	RAB3B, member RAS oncogene family	-0.06	0.48
RAB8A	NM_005370	RAB8A, member RAS oncogene family	-0.06	0.46
MRPL52	NM_178336	Mitochondrial ribosomal protein L52	-0.06	0.45
PPP1R3B	NM_001201329	Protein phosphatase 1, regulatory (inhibitor) subunit 3B	-0.06	0.77
FRAS1	NM_025074	Fraser syndrome 1	-0.06	0.7
KIF3B	NM_004798	Kinesin family member 3B	-0.06	0.33
CDK14	NM_012395	Cyclin-dependent kinase 14	-0.06	0.66
GPR85	NM_001146265	G protein-coupled receptor 85	-0.06	0.68
OSBP	NM_002556	Oxysterol binding protein	-0.06	0.51
SLC25A25	NM_001006641	Solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25	-0.05	0.85
CCND1	NM_053056	Cyclin D1	-0.05	0.73
KCNJ2	NM_000891	Potassium inwardly-rectifying channel, subfamily J, member 2	-0.05	0.52
PREX1	NM_020820	Phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	-0.05	0.64
LIN7C	NM_018362	Lin-7 homolog C (C. Elegans)	-0.05	0.72
OTUD5	NM_001136157	OTU domain containing 5	-0.05	0.7
DLC1	NM_001164271	Deleted in liver cancer 1	-0.05	0.45
HIC2	NM_015094	Hypermethylated in cancer 2	-0.05	0.87
CALM1	NM_006888	Calmodulin 1 (phosphorylase kinase, delta)	-0.05	0.79
ANP32B	NM_006401	Acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	-0.05	0.63
FAM168B	NM_001009993	Family with sequence similarity 168, member B	>-0.05	0.81
NDST1	NM_001543	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	>-0.05	0.52
FAF2	NM_014613	Fas associated factor family member 2	>-0.05	0.45
TAB3	NM_152787	TGF-beta activated kinase 1/MAP3K7 binding protein 3	-0.05	0.39
MKL1	NM_020831	Megakaryoblastic leukemia (translocation) 1	-0.05	0.56
MTPN	NM_145808	Myotrophin	-0.05	0.55



SLC16A3	NM_001042422	Solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	-0.05	0.68
PHC2	NM_004427	Polyhomeotic homolog 2 (Drosophila)	-0.05	0.56
UBN1	NM_001079514	Ubinuclein 1	-0.04	0.79
PDRG1	NM_030815	P53 and DNA-damage regulated 1	-0.04	0.61
SOX6	NM_001145811	SRY (sex determining region Y)-box 6	-0.04	0.55
NGFR	NM_002507	Nerve growth factor receptor	-0.04	0.47
NR1H3	NM_001130101	Nuclear receptor subfamily 1, group H, member 3	-0.04	0.38
RIC3	NM_001135109	Resistance to inhibitors of cholinesterase 3 homolog (C. Elegans)	-0.04	0.33
SYNCRIP	NM_001159673	Synaptotagmin binding, cytoplasmic RNA interacting protein	-0.04	0.56
SLC31A1	NM_001859	Solute carrier family 31 (copper transporters), member 1	-0.04	0.72
JARID2	NM_004973	Jumonji, AT rich interactive domain 2	-0.04	0.79
NAALADL2	NM_207015	N-acetylated alpha-linked acidic dipeptidase-like 2	-0.04	0.7
DDX3X	NM_001193416	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	-0.04	0.57
PTPRJ	NM_002843	Protein tyrosine phosphatase, receptor type, J	-0.04	0.76
VAMP2	NM_014232	Vesicle-associated membrane protein 2 (synaptobrevin 2)	>-0.04	0.88
PMEPA1	NM_020182	Prostate transmembrane protein, androgen induced 1	>-0.04	0.81
CAPRN1	NM_005898	Cell cycle associated protein 1	>-0.04	0.77
ERC1	NM_178039	ELKS/RAB6-interacting/CAST family member 1	>-0.04	0.64
RALGAPB	NM_020336	Ral gtpase activating protein, beta subunit (non-catalytic)	-0.04	0.45
HDAC4	NM_006037	Histone deacetylase 4	-0.04	0.96
FAM155B	NM_015686	Family with sequence similarity 155, member B	-0.04	0.52
TFE3	NM_006521	Transcription factor binding to IGHM enhancer 3	-0.03	0.58
TRAM2	NM_012288	Translocation associated membrane protein 2	-0.03	0.48
PGAM1	NM_002629	Phosphoglycerate mutase 1 (brain)	-0.03	0.5
NFAT5	NM_001113178	Nuclear factor of activated T-cells 5, tonicity-responsive	-0.03	0.88
NADK	NM_001198993	NAD kinase	-0.03	0.83
SLC7A2	NM_001008539	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	>-0.03	0.87
ZC3H7B	NM_017590	Zinc finger CCCH-type containing 7B	>-0.03	0.82
TNPO1	NM_002270	Transportin 1	>-0.03	0.82
RORA	NM_002943	RAR-related orphan receptor A	>-0.03	0.82
SMARCC1	NM_003074	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	>-0.03	0.76
DSEL	NM_032160	Dermatan sulfate epimerase-like	>-0.03	0.76

RIMS4	NM_001205317	Regulating synaptic membrane exocytosis 4	>-0.03	0.64
QKI	NM_206853	Quaking homolog, KH domain RNA binding (mouse)	>-0.03	0.5
PHIP	NM_017934	Pleckstrin homology domain interacting protein	>-0.03	0.41
PAFAH1B1	NM_000430	Platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kda)	>-0.03	0.4
PALM2	NM_001037293	Paralemmin 2	>-0.03	0.39
SLC8A1	NM_001112800	Solute carrier family 8 (sodium/calcium exchanger), member 1	>-0.03	0.22
EIF2C1	NM_012199	Eukaryotic translation initiation factor 2C, 1	>-0.03	0.74
SLC7A6	NM_001076785	Solute carrier family 7 (amino acid transporter light chain, y+L system), member 6	>-0.05	0.68
GDF6	NM_001001557	Growth differentiation factor 6	-0.03	0.68
NPAS3	NM_001164749	Neuronal PAS domain protein 3	-0.03	0.45
ZFHX4	NM_024721	Zinc finger homeobox 4	-0.02	0.57
ACVR2B	NM_0011106	Activin A receptor, type IIB	>-0.02	0.83
VGLL4	NM_001128219	Vestigial like 4 (Drosophila)	>-0.02	0.83
TSPAN9	NM_001168320	Tetraspanin 9	>-0.02	0.82
ZNF516	NM_014643	Zinc finger protein 516	>-0.02	0.8
SH3TC2	NM_024577	SH3 domain and tetratricopeptide repeats 2	>-0.02	0.79
PAX6	NM_000280	Paired box 6	>-0.02	0.73
YPEL2	NM_001005404	Yippee-like 2 (Drosophila)	>-0.02	0.73
ACAP2	NM_012287	Arfgap with coiled-coil, ankyrin repeat and PH domains 2	>-0.02	0.69
NCOA3	NM_001174087	Nuclear receptor coactivator 3	>-0.02	0.68
ARID2	NM_152641	AT rich interactive domain 2 (ARID, RFX-like)	>-0.02	0.66
EPHA2	NM_004431	EPH receptor A2	>-0.02	0.63
CPSF7	NM_001136040	Cleavage and polyadenylation specific factor 7, 59kda	>-0.02	0.61
VEZF1	NM_007146	Vascular endothelial zinc finger 1	>-0.02	0.58
RYBP	NM_012234	RING1 and YY1 binding protein	>-0.02	0.55
SP1	NM_003109	Sp1 transcription factor	>-0.02	0.49
CELSR3	NM_001407	Cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	>-0.02	0.42
RCAN2	NM_005822	Regulator of calcineurin 2	>-0.02	0.31
TRPS1	NM_014112	Trichorhinophalangeal syndrome I	>-0.02	0.79
RNF40	NM_001207033	Ring finger protein 40	-0.02	0.68
GLYR1	NM_032569	Glyoxylate reductase 1 homolog (Arabidopsis)	-0.02	0.59
G3BP2	NM_012297	Gtpase activating protein (SH3 domain) binding protein 2	-0.01	0.53

PTPRD	NM_001040712	Protein tyrosine phosphatase, receptor type, D	-0.01	0.42
PLD1	NM_001130081	Phospholipase D1, phosphatidylcholine-specific	-0.01	0.72
EML4	NM_001145076	Echinoderm microtubule associated protein like 4	>-0.01	0.79
DCP2	NM_001242377	DCP2 decapping enzyme homolog (S. Cerevisiae)	>-0.01	0.72
ZFP91	NM_001197051	Zinc finger protein 91 homolog (mouse)	>-0.01	0.69
UBE2QL1	NM_001145161	Ubiquitin-conjugating enzyme E2Q family-like 1	>-0.01	0.6
ARHGAP23	NM_001199417	Rho gtpase activating protein 23	>-0.01	0.5
CRIM1	NM_016441	Cysteine rich transmembrane BMP regulator 1 (chordin-like)	>-0.01	0.48
TNRC6B	NM_001024843	Trinucleotide repeat containing 6B	>-0.01	0.46
GPR83	NM_016540	G protein-coupled receptor 83	>-0.01	0.44
PRDM16	NM_022114	PR domain containing 16	>-0.01	0.43
CTNND2	NM_001332	Catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein)	>-0.01	0.4
WIZ	NM_021241	Widely interspaced zinc finger motifs	N/A	0.79
SOD1	NM_000454	Superoxide dismutase 1, soluble	N/A	0.5
PFKFB3	NM_001145443	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	N/A	0.41