

Impact of a Mechanical Massage on Gene Expression Profile and Lipid Mobilization in Female Gluteofemoral Adipose Tissue

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Supplementary Material

Supplementary Table. Gluteofemoral adipose tissue transcripts regulated by mechanical massage

Gene symbol	Gene name	Location	Fold change
<i>Enzymes</i>			
CHIT1	chitinase 1 (chitotriosidase)	extracellular space	5.31
PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	extracellular space	5.20
AADACL1	neutral cholesterol ester hydrolase 1	plasma membrane	5.17
DHRS9	dehydrogenase/reductase (SDR family) member 9	cytoplasm	3.91
NPL	N-acetylneuraminate pyruvate lyase (dihydridopicolinate synthase)	unknown	3.60
OXCT2	3-oxoacid CoA transferase 2	cytoplasm	3.48
LIPA	lipase A, lysosomal acid, cholesterol esterase	cytoplasm	3.29
GPNMB	glycoprotein (transmembrane) nmb	plasma membrane	3.29
ALDH1A3	aldehyde dehydrogenase 1 family, member A3	cytoplasm	3.23
KYNU	kynureninase (L-kynurenone hydrolase)	cytoplasm	3.06
PYCR1	pyrrole-5-carboxylate reductase 1	unknown	3.04
IFI30	interferon, gamma-inducible protein 30	cytoplasm	2.92
BCAT1	branched chain amino-acid transaminase 1, cytosolic	cytoplasm	2.79
IL4I1	interleukin 4 induced 1	cytoplasm	2.75
GM2A	GM2 ganglioside activator	cytoplasm	2.69
CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39)	extracellular space	2.64
LYZ	lysozyme	extracellular space	2.63
TYMS	thymidylate synthetase	nucleus	2.56
CYBB	cytochrome b-245, beta polypeptide	cytoplasm	2.39
PTGIS	prostaglandin I2 (prostacyclin) synthase	cytoplasm	2.36
MYO1E	myosin IE	cytoplasm	2.22
FKBP10	FK506 binding protein 10, 65 kDa	cytoplasm	2.20
CHI3L2	chitinase 3-like 2	extracellular space	2.19
GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	cytoplasm	2.16
RAB8B	RAB8B, member RAS oncogene family	cytoplasm	2.10
AF131762	carbohydrate (chondroitin 4) sulfotransferase 11	cytoplasm	2.06
B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	cytoplasm	2.05
AMPD3	adenosine monophosphate deaminase 3	unknown	2.02
BF373107	N-acylsphingosine amidohydrolase (acid ceramidase) 1	cytoplasm	2.02
AADC	arylacetamide deacetylase (esterase)	cytoplasm	1.96
RAB7B	RAB7B, member RAS oncogene family	cytoplasm	1.94
HMOX1	heme oxygenase (decycling) 1	cytoplasm	1.93
RNASET2	ribonuclease T2	cytoplasm	1.91
ST5	suppression of tumorigenicity 5	unknown	1.91
LHFPL2	lipoma HMGIC fusion partner-like 2	unknown	1.88
GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	cytoplasm	1.86
B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglicosaminyltransferase 5	unknown	1.86
SDCBP	syndecan binding protein (syntenin)	plasma membrane	1.84
BIRC3	baculoviral IAP repeat-containing 3	cytoplasm	1.81
AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	cytoplasm	1.80
ASCC3	activating signal cointegrator 1 complex subunit 3	nucleus	1.79
ALKBH2	alkB, alkylation repair homolog 2 (E. coli)	nucleus	1.76
GSTT2	glutathione S-transferase theta 2	cytoplasm	1.73
MYO9B	myosin IXB	cytoplasm	1.72
BE535679	calcineurin-like phosphoesterase domain containing 1	unknown	1.70
PPID	peptidylprolyl isomerase D	cytoplasm	1.69
GSTO1	glutathione S-transferase omega 1	cytoplasm	1.69
COQ3	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)	cytoplasm	1.69
SIAE	sialic acid acetyltransferase	cytoplasm	1.69
HEXB	hexosaminidase B (beta polypeptide)	cytoplasm	1.68
CARD9	caspase recruitment domain family, member 9	cytoplasm	1.68
GUSB	glucuronidase, beta	cytoplasm	1.67
CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	cytoplasm	1.66
TPMT	thiopurine S-methyltransferase	cytoplasm	1.65
ATG7	ATG7 autophagy related 7 homolog (S. cerevisiae)	cytoplasm	1.63
CA12	carbonic anhydrase XII	plasma membrane	1.62
HDC	histidine decarboxylase	cytoplasm	1.62
HPRT1	hypoxanthine phosphoribosyltransferase 1	cytoplasm	1.61
AK022110	glutathione peroxidase 8 (putative)	unknown	1.60
RAB40B	RAB40B, member RAS oncogene family	plasma membrane	1.58
HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase	cytoplasm	1.56
TMEM23	sphingomyelin synthase 1	cytoplasm	1.55
PSAT1	phosphoserine aminotransferase 1	cytoplasm	1.55
LDHA	lactate dehydrogenase A	cytoplasm	1.55
GPX7	glutathione peroxidase 7	cytoplasm	1.54
B3GNT8	UDP-GlcNAc:betaGal beta-1,3-N-acetylglicosaminyltransferase 8	unknown	1.54
GMIP	GEM interacting protein	unknown	1.53

ALDH1A1	aldehyde dehydrogenase 1 family, member A1	cytoplasm	1.51
GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase	cytoplasm	1.51
RHOH	ras homolog gene family, member H	plasma membrane	1.50
CR611712	guanine nucleotide binding protein (G protein), alpha 13	plasma membrane	1.50
CR603437	guanine nucleotide binding protein (G protein), beta polypeptide 4	plasma membrane	1.49
ENDOD1	endonuclease domain containing 1	extracellular space	1.49
DHRS1	dehydrogenase/reductase (SDR family) member 1	cytoplasm	1.45
PGM2L1	phosphoglucomutase 2-like 1	unknown	1.44
ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like	cytoplasm	1.44
ST6GAL1	ST6 beta-galactosamide alpha-2,6-sialyltranferase 1	cytoplasm	1.43
IARS	isoleucyl-tRNA synthetase	cytoplasm	1.43
AK094088	aldehyde dehydrogenase 1 family, member L2	unknown	1.43
OAT	ornithine aminotransferase	cytoplasm	1.43
CBR1	carbonyl reductase 1	cytoplasm	1.42
MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	nucleus	1.42
ARL5B	ADP-ribosylation factor-like 5B	unknown	1.42
HEXA	hexosaminidase A (alpha polypeptide)	cytoplasm	1.42
AK058121	heparan sulfate 6-O-sulfotransferase 1	plasma membrane	1.42
MFN1	mitofusin 1	cytoplasm	1.41
SAT1	spermidine/spermine N1-acetyltransferase 1	cytoplasm	1.39
GYG1	glycogenin 1	cytoplasm	1.39
ACTC1	actin, alpha, cardiac muscle 1	cytoplasm	1.39
RAN	RAN, member RAS oncogene family	nucleus	1.39
CHST8	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 8	cytoplasm	1.38
PIGT	phosphatidylinositol glycan anchor biosynthesis, class T	cytoplasm	1.37
RAB34	RAB34, member RAS oncogene family	cytoplasm	1.36
PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	cytoplasm	1.36
RNF139	ring finger protein 139	cytoplasm	1.36
TOP1MT	topoisomerase (DNA) I, mitochondrial	cytoplasm	1.36
LOXL1	lysyl oxidase-like 1	extracellular space	1.35
PPIA	peptidylprolyl isomerase A (cyclophilin A)	cytoplasm	1.35
RAB31	RAB31, member RAS oncogene family	cytoplasm	1.35
B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	cytoplasm	1.34
RRAGA	Ras-related GTP binding A	cytoplasm	1.34
RANBP2	RAN binding protein 2	nucleus	1.34
POFUT2	protein O-fucosyltransferase 2	cytoplasm	1.33
STAMBP	STAM binding protein	nucleus	1.33
MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	unknown	1.33
HERC4	hect domain and RLD 4	unknown	1.32
KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	cytoplasm	1.32
GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)	cytoplasm	1.31
DNM1L	dynamin 1-like	cytoplasm	1.31
POLK	polymerase (DNA directed) kappa	nucleus	1.30
MYH9	myosin, heavy chain 9, non-muscle	cytoplasm	1.30
PTDSS1	phosphatidylserine synthase 1	cytoplasm	1.29
DPYSL3	dihydropyrimidinase-like 3	cytoplasm	1.29
LAMP2	lysosomal-associated membrane protein 2	plasma membrane	1.28
C5orf14	thioredoxin domain containing 15	unknown	1.28
GLT8D1	glycosyltransferase 8 domain containing 1	unknown	1.28
TXND13	thioredoxin-related transmembrane protein 4	cytoplasm	1.27
KIF9	kinesin family member 9	cytoplasm	1.26
N6AMT1	N-6 adenine-specific DNA methyltransferase 1 (putative)	unknown	1.26
NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	cytoplasm	1.25
PAM	peptidylglycine alpha-amidating monooxygenase	plasma membrane	1.25
RHOA	ras homolog gene family, member A	cytoplasm	1.24
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	cytoplasm	1.24
RAB21	RAB21, member RAS oncogene family	cytoplasm	1.22
NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	cytoplasm	1.22
NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	cytoplasm	1.21
RAB5A	RAB5A, member RAS oncogene family	cytoplasm	1.20
PPIC	peptidylprolyl isomerase C (cyclophilin C)	cytoplasm	1.17
ACADS B	acyl-CoA dehydrogenase, short/branched chain	cytoplasm	-1.13
IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	cytoplasm	-1.16
CHFR	checkpoint with forkhead and ring finger domains	nucleus	-1.16
PHCA	alkaline ceramidase 3	cytoplasm	-1.16
NEDD8	neural precursor cell expressed, developmentally down-regulated 8	nucleus	-1.17

QPRT	quinolinate phosphoribosyltransferase	cytoplasm	-1.17
NOS3	nitric oxide synthase 3 (endothelial cell)	cytoplasm	-1.17
HECTD1	HECT domain containing 1	unknown	-1.18
PDE4DIP	phosphodiesterase 4D interacting protein	cytoplasm	-1.18
RTEL1	regulator of telomere elongation helicase 1	nucleus	-1.18
PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	cytoplasm	-1.18
GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (GalNAc-T14)	cytoplasm	-1.18
SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	cytoplasm	-1.19
SULT1A4	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4	unknown	-1.19
RFNG	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	cytoplasm	-1.20
FBXO25	F-box protein 25	unknown	-1.20
SEPT4	septin 4	cytoplasm	-1.20
ACIN1	apoptotic chromatin condensation inducer 1	nucleus	-1.20
CRLS1	cardiolipin synthase 1	cytoplasm	-1.20
PIGC	phosphatidylinositol glycan anchor biosynthesis, class C	cytoplasm	-1.20
NAGLU	N-acetylglucosaminidase, alpha-	cytoplasm	-1.20
MGAT4B	mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoform B	unknown	-1.20
CSDE1	cold shock domain containing E1, RNA-binding	cytoplasm	-1.20
ECH1	enoyl CoA hydratase 1, peroxisomal	cytoplasm	-1.20
ALG1	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (S. cerevisiae)	cytoplasm	-1.21
DDX42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	unknown	-1.21
MRAS	muscle RAS oncogene homolog	plasma membrane	-1.21
GCN5L2	K(lysine) acetyltransferase 2A	cytoplasm	-1.21
RECQL5	RecQ protein-like 5	nucleus	-1.21
MPST	mercaptopyruvate sulfurtransferase	cytoplasm	-1.21
VCP	valosin-containing protein	cytoplasm	-1.21
FTH1	ferritin, heavy polypeptide 1	cytoplasm	-1.22
NDUFA5	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	cytoplasm	-1.22
MAT2B	methionine adenosyltransferase II, beta	cytoplasm	-1.22
SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	cytoplasm	-1.22
ABHD14B	abhydrolase domain containing 14B	cytoplasm	-1.22
CPOX	coproporphyrinogen oxidase	cytoplasm	-1.22
GNB1	guanine nucleotide binding protein (G protein), beta polypeptide 1	plasma membrane	-1.22
ISOC2	isochorismatase domain containing 2	unknown	-1.22
PGM5	phosphoglucomutase 5	cytoplasm	-1.22
AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	cytoplasm	-1.23
SEPW1	selenoprotein W, 1	cytoplasm	-1.23
GNAS	GNAS complex locus	plasma membrane	-1.23
PNPLA2	patatin-like phospholipase domain containing 2	cytoplasm	-1.23
FH	fumarate hydratase	cytoplasm	-1.23
RRAGC	Ras-related GTP binding C	cytoplasm	-1.23
SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like	cytoplasm	-1.23
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	cytoplasm	-1.23
GFOD1	glucose-fructose oxidoreductase domain containing 1	unknown	-1.23
AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	cytoplasm	-1.23
GBP2	guanylate binding protein 2, interferon-inducible	cytoplasm	-1.23
RASD2	RASD family, member 2	cytoplasm	-1.23
NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	cytoplasm	-1.24
SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	cytoplasm	-1.24
MGLL	monoglyceride lipase	plasma membrane	-1.24
LDHA	lactate dehydrogenase A	cytoplasm	-1.24
LEPREL1	leprecan-like 1	unknown	-1.24
UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	cytoplasm	-1.24
POMT2	protein-O-mannosyltransferase 2	cytoplasm	-1.24
GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	cytoplasm	-1.24
PCYOX1	prenylcysteine oxidase 1	cytoplasm	-1.24
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	cytoplasm	-1.25
RDH5	retinol dehydrogenase 5 (11-cis/9-cis)	cytoplasm	-1.25
PIGS	phosphatidylinositol glycan anchor biosynthesis, class S	cytoplasm	-1.25
RHOT1	ras homolog gene family, member T1	cytoplasm	-1.25
NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	cytoplasm	-1.25
CRY2	cryptochrome 2 (photolyase-like)	nucleus	-1.25
PMM1	phosphomannomutase 1	cytoplasm	-1.25
PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	cytoplasm	-1.25
GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	cytoplasm	-1.25
DCTD	dCMP deaminase	unknown	-1.25
RALBP1	ralA binding protein 1	cytoplasm	-1.25

ARL2	ADP-ribosylation factor-like 2	cytoplasm	-1.26
AACS	acetoacetyl-CoA synthetase	cytoplasm	-1.26
ACOT2	acyl-CoA thioesterase 2	cytoplasm	-1.26
PHLPPL	PH domain and leucine rich repeat protein phosphatase 2	cytoplasm	-1.26
SCD	stearoyl-CoA desaturase (delta-9-desaturase)	cytoplasm	-1.26
AIFM2	apoptosis-inducing factor, mitochondrion-associated, 2	cytoplasm	-1.26
ALDH9A1	aldehyde dehydrogenase 9 family, member A1	cytoplasm	-1.26
MAN1B1	mannosidase, alpha, class 1B, member 1	cytoplasm	-1.26
PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	cytoplasm	-1.26
AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	cytoplasm	-1.26
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	cytoplasm	-1.27
RAB28	RAB28, member RAS oncogene family	plasma membrane	-1.27
CRAT	carnitine O-acetyltransferase	cytoplasm	-1.27
DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	cytoplasm	-1.27
ANG	angiogenin, ribonuclease, RNase A family, 5	extracellular space	-1.27
ASPH	aspartate beta-hydroxylase	cytoplasm	-1.27
P4HA2	prolyl 4-hydroxylase, alpha polypeptide II	cytoplasm	-1.27
DCI	dodecenoyl-CoA isomerase	cytoplasm	-1.27
FAHD2A	fumarylacetate hydrolase domain containing 2A	unknown	-1.27
HMBS	hydroxymethylbilane synthase	cytoplasm	-1.28
CARD10	caspase recruitment domain family, member 10	cytoplasm	-1.28
ADI1	acireductone dioxygenase 1	nucleus	-1.28
UHRF2	ubiquitin-like with PHD and ring finger domains 2	nucleus	-1.28
A4GALT	alpha 1,4-galactosyltransferase	cytoplasm	-1.28
HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	cytoplasm	-1.28
FBXW11	F-box and WD repeat domain containing 11	cytoplasm	-1.28
PDE2A	phosphodiesterase 2A, cGMP-stimulated	cytoplasm	-1.29
AHCY	adenosylhomocysteinase	cytoplasm	-1.29
CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	cytoplasm	-1.29
AASS	aminoadipate-semialdehyde synthase	cytoplasm	-1.29
CMBL	carboxymethylenebutenolidase homolog (Pseudomonas)	unknown	-1.30
ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	cytoplasm	-1.30
ACACB	acetyl-CoA carboxylase beta	cytoplasm	-1.30
CR600585	esterase D	cytoplasm	-1.30
MAN1A1	mannosidase, alpha, class 1A, member 1	cytoplasm	-1.30
HIBADH	3-hydroxyisobutyrate dehydrogenase	cytoplasm	-1.31
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	cytoplasm	-1.31
DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	nucleus	-1.31
KARS	lysyl-tRNA synthetase	cytoplasm	-1.31
WDR46	WD repeat domain 46	nucleus	-1.31
BPHL	biphenyl hydrolase-like (serine hydrolase)	cytoplasm	-1.31
ADCY6	adenylate cyclase 6	plasma membrane	-1.31
GMPPA	GDP-mannose pyrophosphorylase A	unknown	-1.31
RABL3	RAB, member of RAS oncogene family-like 3	unknown	-1.32
GSTK1	glutathione S-transferase kappa 1	cytoplasm	-1.32
ACSS2	acyl-CoA synthetase short-chain family member 2	cytoplasm	-1.32
BE646426	apoptosis enhancing nuclease	unknown	-1.32
RETSAT	retinol saturase (all-trans-retinol 13,14-reductase)	cytoplasm	-1.32
RHOBTB3	Rho-related BTB domain containing 3	unknown	-1.33
CYB5B	cytochrome b5 type B (outer mitochondrial membrane)	cytoplasm	-1.33
ARL8A	ADP-ribosylation factor-like 8A	cytoplasm	-1.33
PCYT2	phosphate cytidylyltransferase 2, ethanolamine	cytoplasm	-1.33
LTB4DH	prostaglandin reductase 1	cytoplasm	-1.34
TXN2	thioredoxin 2	cytoplasm	-1.34
TXNDC4	endoplasmic reticulum protein 44	cytoplasm	-1.34
MAOA	monoamine oxidase A	cytoplasm	-1.34
ACAD9	acyl-CoA dehydrogenase family, member 9	cytoplasm	-1.35
POLR3H	polymerase (RNA) III (DNA directed) polypeptide H (22,9kD)	nucleus	-1.35
ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog (S. cerevisiae)	cytoplasm	-1.35
CA4	carbonic anhydrase IV	plasma membrane	-1.36
NAPRT1	nicotinate phosphoribosyltransferase domain containing 1	unknown	-1.36
VCL	vinculin	plasma membrane	-1.36
MSRB3	methionine sulfoxide reductase B3	cytoplasm	-1.37
MOCOS	molybdenum cofactor sulfurase	unknown	-1.38
GYG2	glycogenin 2	unknown	-1.39
PCCB	propionyl CoA carboxylase, beta polypeptide	cytoplasm	-1.39
PIN1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1	nucleus	-1.39
ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	unknown	-1.40

PLCG1	phospholipase C, gamma 1	cytoplasm	-1.40
ADCY5	adenylate cyclase 5	plasma membrane	-1.40
CHD8	chromodomain helicase DNA binding protein 8	nucleus	-1.41
GLUL	glutamate-ammonia ligase	cytoplasm	-1.41
ECHDC3	enoyl CoA hydratase domain containing 3	unknown	-1.41
ACAA1	acetyl-CoA acyltransferase 1	cytoplasm	-1.41
CPT1C	carnitine palmitoyltransferase 1C	cytoplasm	-1.41
CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	cytoplasm	-1.43
LDHB	lactate dehydrogenase B	cytoplasm	-1.44
RAB5C	RAB5C, member RAS oncogene family	cytoplasm	-1.44
UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	cytoplasm	-1.44
ALDH4A1	aldehyde dehydrogenase 4 family, member A1	cytoplasm	-1.44
NPR1	natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)	plasma membrane	-1.44
RAB23	RAB23, member RAS oncogene family	cytoplasm	-1.44
RHOB	ras homolog gene family, member B	cytoplasm	-1.44
ZBED1	zinc finger, BED-type containing 1	nucleus	-1.45
CIDEc	cell death-inducing DFFA-like effector c	cytoplasm	-1.45
ST6GALNAC6	ST6(alpha-N-acetyl-neuraminy1-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	cytoplasm	-1.46
CH25H	cholesterol 25-hydroxylase	cytoplasm	-1.46
BRAF	v-raf murine sarcoma viral oncogene homolog B1	cytoplasm	-1.46
ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	plasma membrane	-1.46
ALDH1L1	aldehyde dehydrogenase 1 family, member L1	cytoplasm	-1.47
GPLD1	glycosylphosphatidylinositol specific phospholipase D1	cytoplasm	-1.47
PRIM1	primase, DNA, polypeptide 1 (49kDa)	nucleus	-1.47
COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	cytoplasm	-1.47
PDE8B	phosphodiesterase 8B	unknown	-1.47
OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	cytoplasm	-1.48
HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	cytoplasm	-1.48
POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	nucleus	-1.50
MAP1S	microtubule-associated protein 1S	cytoplasm	-1.52
GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	cytoplasm	-1.53
AGPAT6	1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta)	cytoplasm	-1.54
GPX1	glutathione peroxidase 1	cytoplasm	-1.55
PAPD5	PAP associated domain containing 5	nucleus	-1.56
ARF3	ADP-ribosylation factor 3	cytoplasm	-1.57
ST6GALNAC1	ST6(alpha-N-acetyl-neuraminy1-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	cytoplasm	-1.58
CES1	carboxylesterase 1 (monocyte/macrophage serine esterase 1)	cytoplasm	-1.58
GNPDA1	glucosamine-6-phosphate deaminase 1	cytoplasm	-1.60
ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	cytoplasm	-1.61
MOCS1	molybdenum cofactor synthesis 1	unknown	-1.62
UBC	ubiquitin C	cytoplasm	-1.65
ARFRP1	ADP-ribosylation factor related protein 1	cytoplasm	-1.65
AK027610	ribonuclease H1	nucleus	-1.69
UBB	ubiquitin B	cytoplasm	-1.73
U87972	isocitrate dehydrogenase 3 (NAD+) beta	cytoplasm	-1.74
AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	cytoplasm	-1.79
HS2ST1	heparan sulfate 2-O-sulfotransferase 1	cytoplasm	-1.80
RAB2B	RAB2B, member RAS oncogene family	plasma membrane	-1.81
ATP6V0E2	ATPase, H ⁺ transporting V0 subunit e2	unknown	-1.85
PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	nucleus	-1.85
OAZ1	ornithine decarboxylase antizyme 1	cytoplasm	-1.85
PGS1	phosphatidylglycerophosphate synthase 1	cytoplasm	-1.90
LPL	lipoprotein lipase	cytoplasm	-1.90
SDS	serine dehydratase	cytoplasm	-1.95
KLC3	kinesin light chain 3	unknown	-2.01
LIPE	lipase, hormone-sensitive	cytoplasm	-2.66
CYB5R3	cytochrome b5 reductase 3	cytoplasm	-2.73
<i>Extracellular matrix</i>			
COL1A1	collagen, type I, alpha 1	extracellular space	3.42
CTHRC1	collagen triple helix repeat containing 1	extracellular space	2.47
COL1A2	collagen, type I, alpha 2	extracellular space	2.15
COL3A1	collagen, type III, alpha 1	extracellular space	2.08
COL8A2	collagen, type VIII, alpha 2	extracellular space	1.82
FN1	fibronectin 1	plasma membrane	1.77

COL6A3	collagen, type VI, alpha 3	extracellular space	1.59
COL12A1	collagen, type XII, alpha 1	extracellular space	1.58
COL5A2	collagen, type V, alpha 2	extracellular space	1.56
COL18A1	collagen, type XVIII, alpha 1	extracellular space	1.53
B1771091	collagen, type VI, alpha 1	extracellular space	1.50
COL5A1	collagen, type V, alpha 1	extracellular space	1.49
COL16A1	collagen, type XVI, alpha 1	extracellular space	1.40
COL12A1	collagen, type XII, alpha 1	extracellular space	-1.20
COL18A1	collagen, type XVIII, alpha 1	extracellular space	-1.21
COL4A2	collagen, type IV, alpha 2	extracellular space	-1.37
<i>G-protein coupled receptor</i>			
EBI2	G protein-coupled receptor 183	plasma membrane	4.99
CCR5	chemokine (C-C motif) receptor 5	plasma membrane	2.96
PTGFR	prostaglandin F receptor (FP)	plasma membrane	2.37
CMKLR1	chemokine-like receptor 1	plasma membrane	2.33
CCRL2	chemokine (C-C motif) receptor-like 2	plasma membrane	2.27
CXCR4	chemokine (C-X-C motif) receptor 4	plasma membrane	2.21
EMR2	egf-like module containing, mucin-like, hormone receptor-like 2	plasma membrane	2.11
CCR7	chemokine (C-C motif) receptor 7	plasma membrane	2.06
BDKRB2	bradykinin receptor B2	plasma membrane	2.01
C3AR1	complement component 3a receptor 1	plasma membrane	1.86
PTGER4	prostaglandin E receptor 4 (subtype EP4)	plasma membrane	1.75
PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa	plasma membrane	1.63
CX3CR1	chemokine (C-X3-C motif) receptor 1	plasma membrane	1.61
GPR34	G protein-coupled receptor 34	plasma membrane	1.60
MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	plasma membrane	1.58
FZD1	frizzled homolog 1 (Drosophila)	plasma membrane	1.53
P2RY8	purinergic receptor P2Y, G-protein coupled, 8	plasma membrane	1.50
GPR68	G protein-coupled receptor 68	plasma membrane	1.48
GPRC5C	G protein-coupled receptor, family C, group 5, member C	plasma membrane	-1.17
CALCRL	calcitonin receptor-like	plasma membrane	-1.19
GLP2R	glucagon-like peptide 2 receptor	plasma membrane	-1.26
GPR146	G protein-coupled receptor 146	plasma membrane	-1.29
LTB4R2	leukotriene B4 receptor 2	plasma membrane	-1.31
GPR125	G protein-coupled receptor 125	plasma membrane	-1.41
DRD4	dopamine receptor D4	plasma membrane	-1.52
PTGER3	prostaglandin E receptor 3 (subtype EP3)	plasma membrane	-1.53
<i>Growth factors and cytokines</i>			
SPP1	secreted phosphoprotein 1	extracellular space	6.91
IL1RN	interleukin 1 receptor antagonist	extracellular space	5.61
CCL18	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)	extracellular space	3.95
GDF15	growth differentiation factor 15	extracellular space	3.00
CD70	CD70 molecule	extracellular space	2.91
TGFB2	transforming growth factor, beta 2	extracellular space	2.81
PF4	platelet factor 4	extracellular space	2.62
LTB	lymphotoxin beta (TNF superfamily, member 3)	extracellular space	2.52
CCL3L3	chemokine (C-C motif) ligand 3-like 3	extracellular space	2.46
CCL3	chemokine (C-C motif) ligand 3	extracellular space	2.18
CCL19	chemokine (C-C motif) ligand 19	extracellular space	2.17
PPBP	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)	extracellular space	2.13
VAV3	vav 3 guanine nucleotide exchange factor	extracellular space	2.00
CCL13	chemokine (C-C motif) ligand 13	extracellular space	1.97
DKK3	dickkopf homolog 3 (Xenopus laevis)	extracellular space	1.86
KITLG	KIT ligand	extracellular space	1.77
CCL4	chemokine (C-C motif) ligand 4	extracellular space	1.66
CXCL12	chemokine (C-X-C motif) ligand 12	extracellular space	1.54
WISP2	WNT1 inducible signaling pathway protein 2	extracellular space	1.47
CMTM6	CKLF-like MARVEL transmembrane domain containing 6	extracellular space	1.47
CMTM7	CKLF-like MARVEL transmembrane domain containing 7	extracellular space	1.46
GDF10	growth differentiation factor 10	extracellular space	1.44
CKLF	chemokine-like factor	extracellular space	1.34
GRN	granulin	extracellular space	1.34
CMTM3	CKLF-like MARVEL transmembrane domain containing 3	extracellular space	1.31
FAM3C	family with sequence similarity 3, member C	extracellular space	1.24
MIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	extracellular space	1.22
NOV	nephroblastoma overexpressed gene	extracellular space	-1.15
NRG2	neuregulin 2	extracellular space	-1.23
VEGFA	vascular endothelial growth factor A	extracellular space	-1.23
ADIPOQ	adiponectin, C1Q and collagen domain containing	extracellular space	-1.24

HDGF	hepatoma-derived growth factor	extracellular space	-1.26
ANGPT1	angiopoietin 1	extracellular space	-1.28
IGF1	insulin-like growth factor 1 (somatomedin C)	extracellular space	-1.31
FGF2	fibroblast growth factor 2 (basic)	extracellular space	-1.31
IGF2	insulin-like growth factor 2 (somatomedin A)	extracellular space	-1.33
JAG2	jagged 2	extracellular space	-1.33
INSL3	insulin-like 3 (Leydig cell)	extracellular space	-1.36
LEP	leptin	extracellular space	-1.36
IL16	interleukin 16 (lymphocyte chemoattractant factor)	extracellular space	-1.37
GAS6	growth arrest-specific 6	extracellular space	-1.39
<i>Ion channel</i>			
TRPV2	transient receptor potential cation channel, subfamily V, member 2	plasma membrane	1.85
FXYD5	FXYD domain containing ion transport regulator 5	plasma membrane	1.51
NOLA1	GAR1 ribonucleoprotein homolog (yeast)	nucleus	1.41
PKD2	polycystic kidney disease 2 (autosomal dominant)	plasma membrane	-1.22
KCTD12	potassium channel tetramerisation domain containing 12	unknown	-1.23
TTYH1	tweety homolog 1 (<i>Drosophila</i>)	unknown	-1.24
GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	unknown	-1.26
ITPR2	inositol 1,4,5-triphosphate receptor, type 2	cytoplasm	-1.30
KCNIP2	Kv channel interacting protein 2	plasma membrane	-1.36
FXYD6	FXYD domain containing ion transport regulator 6	plasma membrane	-1.39
KCNE1L	KCNE1-like	plasma membrane	-1.43
SCN9A	sodium channel, voltage-gated, type IX, alpha subunit	plasma membrane	-1.58
HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	plasma membrane	-1.83
TPCN1	two pore segment channel 1	plasma membrane	-1.93
<i>Kinase</i>			
FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	nucleus	3.24
SYK	spleen tyrosine kinase	cytoplasm	2.13
LCK	lymphocyte-specific protein tyrosine kinase	cytoplasm	1.95
MERTK	c-mer proto-oncogene tyrosine kinase	plasma membrane	1.94
ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	plasma membrane	1.89
DCAMKL1	doublecortin-like kinase 1	cytoplasm	1.84
MAPK6	mitogen-activated protein kinase 6	cytoplasm	1.82
SGK	serum/glucocorticoid regulated kinase 1	cytoplasm	1.80
CSF1R	colony stimulating factor 1 receptor	plasma membrane	1.68
STK4	serine/threonine kinase 4	cytoplasm	1.60
ALPK1	alpha-kinase 1	unknown	1.57
PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	plasma membrane	1.56
EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4	unknown	1.54
PKM2	pyruvate kinase, muscle	cytoplasm	1.52
TP53RK	TP53 regulating kinase	nucleus	1.50
SRP72	signal recognition particle 72kDa	nucleus	1.48
MKNK1	MAP kinase interacting serine/threonine kinase 1	cytoplasm	1.48
TRIO	triple functional domain (PTPRF interacting)	plasma membrane	1.47
ROR1	receptor tyrosine kinase-like orphan receptor 1	plasma membrane	1.45
MAPK8	mitogen-activated protein kinase 8	cytoplasm	1.44
PDGFRL	platelet-derived growth factor receptor-like	plasma membrane	1.42
DGKD	diacylglycerol kinase, delta 130kDa	cytoplasm	1.33
ACVR1	activin A receptor, type I	plasma membrane	1.32
ULK2	unc-51-like kinase 2 (<i>C. elegans</i>)	cytoplasm	1.32
STK40	serine/threonine kinase 40	cytoplasm	1.28
EPHA4	EPH receptor A4	plasma membrane	1.27
DGUOK	deoxyguanosine kinase	cytoplasm	1.26
PDGFRB	platelet-derived growth factor receptor, beta polypeptide	plasma membrane	1.26
NEK3	NIMA (never in mitosis gene a)-related kinase 3	nucleus	-1.13
MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4	cytoplasm	-1.18
TAOK1	TAO kinase 1	cytoplasm	-1.20
PINK1	PTEN induced putative kinase 1	cytoplasm	-1.21
BC035146	WNK lysine deficient protein kinase 1	cytoplasm	-1.22
LATS2	LATS, large tumor suppressor, homolog 2 (<i>Drosophila</i>)	nucleus	-1.23
COL4A3BP	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	cytoplasm	-1.23
HSPB8	heat shock 22kDa protein 8	cytoplasm	-1.24
CDC2L1	cyclin-dependent kinase 11B	nucleus	-1.25
ILK	integrin-linked kinase	plasma membrane	-1.25
BX350256	protein kinase, cAMP-dependent, regulatory, type II, beta	cytoplasm	-1.25
AK3L1	adenylate kinase 3-like 1	cytoplasm	-1.25
BRD3	bromodomain containing 3	nucleus	-1.26
JAK2	Janus kinase 2	cytoplasm	-1.26

CERK	ceramide kinase	plasma membrane	-1.26
INSR	insulin receptor	plasma membrane	-1.27
BCR	breakpoint cluster region	cytoplasm	-1.27
PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	cytoplasm	-1.27
CHUK	conserved helix-loop-helix ubiquitous kinase	cytoplasm	-1.28
DLG1	discs, large homolog 1 (Drosophila)	plasma membrane	-1.29
SNRK	SNF related kinase	cytoplasm	-1.30
TNK2	tyrosine kinase, non-receptor, 2	cytoplasm	-1.30
ARAF	v-raf murine sarcoma 3611 viral oncogene homolog	cytoplasm	-1.30
HIPK2	homeodomain interacting protein kinase 2	nucleus	-1.31
CSNK1G3	casein kinase 1, gamma 3	cytoplasm	-1.32
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	plasma membrane	-1.32
DDR2	discoidin domain receptor tyrosine kinase 2	plasma membrane	-1.34
PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta	cytoplasm	-1.35
SMG1	SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans)	cytoplasm	-1.35
FGFR1	fibroblast growth factor receptor 1	plasma membrane	-1.37
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	cytoplasm	-1.37
NUAK1	NUAK family, SNF1-like kinase, 1	unknown	-1.38
ACVRL1	activin A receptor type II-like 1	plasma membrane	-1.38
NEK1	NIMA (never in mitosis gene a)-related kinase 1	nucleus	-1.38
CAMK1	calcium/calmodulin-dependent protein kinase I	cytoplasm	-1.39
TYRO3	TYRO3 protein tyrosine kinase	plasma membrane	-1.39
MAST3	microtubule associated serine/threonine kinase 3	unknown	-1.40
MAPK3	mitogen-activated protein kinase 3	cytoplasm	-1.43
PKN2	protein kinase N2	cytoplasm	-1.45
ANKK1	ankyrin repeat and kinase domain containing 1	unknown	-1.46
PIP5K2C	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	cytoplasm	-1.46
HUS1	HUS1 checkpoint homolog (S. pombe)	nucleus	-1.48
PTK2B	PTK2B protein tyrosine kinase 2 beta	cytoplasm	-1.49
TJP2	tight junction protein 2 (zona occludens 2)	plasma membrane	-1.49
TIE1	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	plasma membrane	-1.49
MKNK2	MAP kinase interacting serine/threonine kinase 2	cytoplasm	-1.50
TWF1	twinfilin, actin-binding protein, homolog 1 (Drosophila)	cytoplasm	-1.53
PCTK1	cyclin-dependent kinase 16	cytoplasm	-1.53
STK36	serine/threonine kinase 36, fused homolog (Drosophila)	cytoplasm	-1.59
DDR1	discoidin domain receptor tyrosine kinase 1	plasma membrane	-1.60
C10orf89	phosphoseryl-tRNA kinase	unknown	-1.60
PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	unknown	-1.64
NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1	nucleus	-1.66
SCYL1	SCY1-like 1 (S. cerevisiae)	cytoplasm	-1.67
BRD2	bromodomain containing 2	nucleus	-1.75

Ligand-dependent nuclear receptors

VDR	vitamin D (1,25- dihydroxyvitamin D3) receptor	nucleus	1.89
NR2F1	nuclear receptor subfamily 2, group F, member 1	nucleus	-1.22
NR1D2	nuclear receptor subfamily 1, group D, member 2	nucleus	-1.22
PGRMC2	progesterone receptor membrane component 2	nucleus	-1.22
AR	androgen receptor	nucleus	-1.27
PPARG	peroxisome proliferator-activated receptor gamma	nucleus	-1.28
ESR1	estrogen receptor 1	nucleus	-1.31
NR2F6	nuclear receptor subfamily 2, group F, member 6	nucleus	-1.37
RXRB	retinoid × receptor, beta	nucleus	-1.44

Peptidases

MMP7	matrix metallopeptidase 7 (matrilysin, uterine)	extracellular space	5.32
MMP9	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	extracellular space	4.22
MMP19	matrix metallopeptidase 19	extracellular space	3.15
ST14	suppression of tumorigenicity 14 (colon carcinoma)	plasma membrane	3.07
CFB	complement factor B	extracellular space	2.68
CTSS	cathepsin S	cytoplasm	2.58
FAP	fibroblast activation protein, alpha	cytoplasm	2.40
PRSS23	protease, serine, 23	extracellular space	2.29
CPVL	carboxypeptidase, vitellogenin-like	unknown	2.27
CTSB	cathepsin B	cytoplasm	2.13
LGNN	legumain	cytoplasm	2.05
GZMK	granzyme K (granzyme 3; tryptase II)	cytoplasm	2.02
TPP1	tripeptidyl peptidase I	cytoplasm	2.00
C2	complement component 2	extracellular space	1.87

PRSS36	protease, serine, 36	extracellular space	1.80
MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	extracellular space	1.76
CTSK	cathepsin K	cytoplasm	1.72
CPD	carboxypeptidase D	extracellular space	1.66
C1R	complement component 1, r subcomponent	extracellular space	1.66
CTSH	cathepsin H	cytoplasm	1.65
OSGP	O-sialoglycoprotein endopeptidase	unknown	1.58
CTSL	cathepsin L1	cytoplasm	1.57
PLAU	plasminogen activator, urokinase	extracellular space	1.56
C1S	complement component 1, s subcomponent	extracellular space	1.54
USP34	ubiquitin specific peptidase 34	unknown	1.54
ADAM9	ADAM metallopeptidase domain 9 (meltrin gamma)	plasma membrane	1.47
CTSC	cathepsin C	cytoplasm	1.43
CTSG	cathepsin G	cytoplasm	1.42
PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	cytoplasm	1.38
PSEN1	presenilin 1	plasma membrane	1.36
USP6	ubiquitin specific peptidase 6 (Tre-2 oncogene)	cytoplasm	1.36
CASP3	caspase 3, apoptosis-related cysteine peptidase	cytoplasm	1.34
PRCP	prolylcarboxypeptidase (angiotensinase C)	cytoplasm	1.27
PRSS2	protease, serine, 2 (trypsin 2)	extracellular space	-1.11
CAPNS1	calpain, small subunit 1	cytoplasm	-1.17
PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	nucleus	-1.20
PSME3	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)	cytoplasm	-1.20
ADAM22	ADAM metallopeptidase domain 22	plasma membrane	-1.21
CAPN7	calpain 7	cytoplasm	-1.25
CFI	complement factor I	extracellular space	-1.27
C3orf38	chromosome 3 open reading frame 38	unknown	-1.28
PLAT	plasminogen activator, tissue	extracellular space	-1.31
NPEPPS	aminopeptidase puromycin sensitive	cytoplasm	-1.34
PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	cytoplasm	-1.35
METAP1	methionyl aminopeptidase 1	cytoplasm	-1.37
USP5	ubiquitin specific peptidase 5 (isopeptidase T)	cytoplasm	-1.37
EPS8	epidermal growth factor receptor pathway substrate 8	plasma membrane	-1.38
CR595983	endothelin converting enzyme 1	plasma membrane	-1.38
DNPEP	aspartyl aminopeptidase	cytoplasm	-1.39
BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	nucleus	-1.40
HTRA1	HtrA serine peptidase 1	extracellular space	-1.41
MMMP28	matrix metallopeptidase 28	extracellular space	-1.42
PCSK7	proprotein convertase subtilisin/kexin type 7	cytoplasm	-1.42
ARHGEF10	Rho guanine nucleotide exchange factor (GEF) 10	cytoplasm	-1.43
EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	cytoplasm	-1.46
CPD	carboxypeptidase D	extracellular space	-1.52
MBTPS1	membrane-bound transcription factor peptidase, site 1	cytoplasm	-1.57
CFD	complement factor D (adipsin)	extracellular space	-2.38
<i>Phosphatases</i>			
ACP5	acid phosphatase 5, tartrate resistant	cytoplasm	4.02
FBP1	fructose-1,6-bisphosphatase 1	cytoplasm	3.32
PTPN6	protein tyrosine phosphatase, non-receptor type 6	cytoplasm	2.43
PTPRE	protein tyrosine phosphatase, receptor type, E	plasma membrane	1.88
PTPN1	protein tyrosine phosphatase, non-receptor type 1	cytoplasm	1.81
CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	extracellular space	1.76
PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	cytoplasm	1.66
LHPP	phospholysine phosphohistidine inorganic pyrophosphate phosphatase	unknown	1.63
PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	nucleus	1.50
PTPN2	protein tyrosine phosphatase, non-receptor type 2	cytoplasm	1.42
INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	unknown	1.41
BU618279	protein phosphatase 3, catalytic subunit, alpha isozyme	cytoplasm	1.32
IGBP1	immunoglobulin (CD79A) binding protein 1	cytoplasm	1.26
EYA2	eyes absent homolog 2 (Drosophila)	nucleus	-1.19
PTEN	phosphatase and tensin homolog	cytoplasm	-1.19
PPP3CC	protein phosphatase 3, catalytic subunit, gamma isozyme	unknown	-1.20
CDC14C	CDC14 cell division cycle 14 homolog C (S. cerevisiae)	nucleus	-1.21
PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	cytoplasm	-1.22
PTPN11	protein tyrosine phosphatase, non-receptor type 11	cytoplasm	-1.23
NT5M	5',3'-nucleotidase, mitochondrial	cytoplasm	-1.24
NUDT4	nudix (nucleoside diphosphate linked moiety X)-type motif 4	cytoplasm	-1.24
LPIN1	lipin 1	nucleus	-1.26
PPP6C	protein phosphatase 6, catalytic subunit	nucleus	-1.27
PTPRS	protein tyrosine phosphatase, receptor type, S	plasma membrane	-1.27

PTPN3	protein tyrosine phosphatase, non-receptor type 3	cytoplasm	-1.28
PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	cytoplasm	-1.31
BC013792	slingshot homolog 1 (Drosophila)	cytoplasm	-1.35
PPP1R8	protein phosphatase 1, regulatory (inhibitor) subunit 8	nucleus	-1.41
NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	cytoplasm	-1.46
PPP2R5A	protein phosphatase 2, regulatory subunit B', alpha	cytoplasm	-1.48
PPM1K	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1K	unknown	-1.56
TNS3	tensin 3	unknown	-1.94

Transcription regulators

EGR2	early growth response 2	nucleus	4.38
GAS7	growth arrest-specific 7	cytoplasm	2.47
IRF5	interferon regulatory factor 5	nucleus	2.30
ATF3	activating transcription factor 3	nucleus	2.29
LEF1	lymphoid enhancer-binding factor 1	nucleus	2.27
JARID2	jumonji, AT rich interactive domain 2	nucleus	2.07
PTTG1	pituitary tumor-transforming 1	nucleus	2.06
BCL10	B-cell CLL/lymphoma 10	cytoplasm	1.99
RUNX3	runt-related transcription factor 3	nucleus	1.89
NKX3-1	NK3 homeobox 1	nucleus	1.82
TBX21	T-box 21	nucleus	1.75
POLR3D	polymerase (RNA) III (DNA directed) polypeptide D, 44kDa	nucleus	1.69
TAF3	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 140kDa	nucleus	1.67
PYCARD	PYD and CARD domain containing	cytoplasm	1.67
TRFP	mediator complex subunit 20	nucleus	1.67
TCFP2	transcription factor CP2	nucleus	1.66
PRRX2	paired related homeobox 2	nucleus	1.65
PBX4	pre-B-cell leukemia homeobox 4	nucleus	1.65
BG108194	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	nucleus	1.62
HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	nucleus	1.61
TBP	TATA box binding protein	nucleus	1.58
KLF10	Kruppel-like factor 10	nucleus	1.58
IKZF1	IKAROS family zinc finger 1 (Ikaros)	nucleus	1.55
TCF7	transcription factor 7 (T-cell specific, HMG-box)	nucleus	1.55
BCOR	BCL6 co-repressor	nucleus	1.55
NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	nucleus	1.51
C1D	C1D nuclear receptor co-repressor	nucleus	1.50
TRIM22	tripartite motif-containing 22	cytoplasm	1.49
AA292106	leucine rich repeat (in FLII) interacting protein 1	nucleus	1.49
STAT5B	signal transducer and activator of transcription 5B	nucleus	1.49
RBPSUH	recombination signal binding protein for immunoglobulin kappa J region	nucleus	1.48
STAT4	signal transducer and activator of transcription 4	nucleus	1.48
CENPJ	centromere protein J	nucleus	1.47
HMGA1	high mobility group AT-hook 1	nucleus	1.45
SAP30	Sin3A-associated protein, 30kDa	nucleus	1.45
BMI1	BMI1 polycomb ring finger oncogene	nucleus	1.45
BC000228	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	nucleus	1.44
RUNX1	runt-related transcription factor 1	nucleus	1.44
CREB5	cAMP responsive element binding protein 5	nucleus	1.41
CREBL2	cAMP responsive element binding protein-like 2	nucleus	1.41
EED	embryonic ectoderm development	nucleus	1.40
ELF4	E74-like factor 4 (ets domain transcription factor)	nucleus	1.40
MAF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	nucleus	1.40
HDAC4	histone deacetylase 4	nucleus	1.38
HMGN1	high-mobility group nucleosome binding domain 1	nucleus	1.38
SNAPC2	small nuclear RNA activating complex, polypeptide 2, 45kDa	nucleus	1.38
SMAD3	SMAD family member 3	nucleus	1.36
SP2	Sp2 transcription factor	nucleus	1.35
TAF9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa	nucleus	1.35
ZNF92	zinc finger protein 92	nucleus	1.35
GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa	nucleus	1.35
PTMA	prothymosin, alpha	nucleus	1.34
MITF	microphthalmia-associated transcription factor	nucleus	1.34
HD	huntingtin	cytoplasm	1.32

MYCBP	c-myc binding protein	nucleus	1.32
SFRS2	splicing factor, arginine-serine-rich 2	nucleus	1.32
TRIM32	tripartite motif-containing 32	nucleus	1.31
ANKRD2	ankyrin repeat domain 2 (stretch responsive muscle)	nucleus	1.31
ZNRD1	zinc ribbon domain containing 1	nucleus	1.30
C19orf2	chromosome 19 open reading frame 2	nucleus	1.30
ELL	elongation factor RNA polymerase II	nucleus	1.29
CREB3L1	cAMP responsive element binding protein 3-like 1	nucleus	1.29
BPTF	bromodomain PHD finger transcription factor	nucleus	1.29
NOTCH2	Notch homolog 2 (<i>Drosophila</i>)	nucleus	1.29
ZNF193	zinc finger protein 193	plasma membrane	1.28
ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	nucleus	1.28
YBX1	Y box binding protein 1	nucleus	1.27
CENTG3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	nucleus	1.26
CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa	nucleus	1.26
STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	nucleus	1.25
NFE2L2	nuclear factor (erythroid-derived 2)-like 2	nucleus	1.24
NCOR2	nuclear receptor co-repressor 2	nucleus	1.24
UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1	cytoplasm	1.23
SP100	SP100 nuclear antigen	nucleus	1.22
PFDN5	prefoldin subunit 5	nucleus	1.22
SP3	Sp3 transcription factor	nucleus	1.21
SAP18	Sin3A-associated protein, 18kDa	nucleus	1.18
LHX1	LIM homeobox 1	nucleus	-1.02
SRA1	steroid receptor RNA activator 1	nucleus	-1.06
SNCAIP	synuclein, alpha interacting protein	cytoplasm	-1.11
TSC22D1	TSC22 domain family, member 1	nucleus	-1.14
LCOR	ligand dependent nuclear receptor corepressor	nucleus	-1.15
THOC4	THO complex 4	nucleus	-1.16
TOB1	transducer of ERBB2, 1	nucleus	-1.16
NCOR1	nuclear receptor co-repressor 1	nucleus	-1.17
POU6F1	POU class 6 homeobox 1	nucleus	-1.18
ZNF24	zinc finger protein 24	nucleus	-1.18
SLC2A4RG	SLC2A4 regulator	cytoplasm	-1.19
SPEN	spen homolog, transcriptional regulator (<i>Drosophila</i>)	nucleus	-1.19
PRKCBP1	zinc finger, MYND-type containing 8	nucleus	-1.20
ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	nucleus	-1.20
SMAD3	SMAD family member 3	nucleus	-1.20
ZNF148	zinc finger protein 148	nucleus	-1.21
CENTG3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	nucleus	-1.21
ANKFY1	ankyrin repeat and FYVE domain containing 1	nucleus	-1.21
RPL7L1	ribosomal protein L7-like 1	cytoplasm	-1.21
PHF5A	PHD finger protein 5A	nucleus	-1.22
BRWD1	bromodomain and WD repeat domain containing 1	nucleus	-1.22
SP1	Sp1 transcription factor	nucleus	-1.22
SUPT6H	suppressor of Ty 6 homolog (<i>S. cerevisiae</i>)	nucleus	-1.22
RAI14	retinoic acid induced 14	nucleus	-1.22
ZBTB7B	zinc finger and BTB domain containing 7B	nucleus	-1.23
DTX1	deltex homolog 1 (<i>Drosophila</i>)	nucleus	-1.23
AW138903	Notch homolog 3 (<i>Drosophila</i>)	plasma membrane	-1.23
NFYC	nuclear transcription factor Y, gamma	nucleus	-1.23
RFC1	replication factor C (activator 1) 1, 145kDa	nucleus	-1.23
RB1	retinoblastoma 1	nucleus	-1.23
ANKRD32	ankyrin repeat domain 32	nucleus	-1.24
STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)	nucleus	-1.24
MGA	MAX gene associated	nucleus	-1.24
RBCK1	RanBP-type and C3HC4-type zinc finger containing 1	cytoplasm	-1.24
SHOX2	short stature homeobox 2	nucleus	-1.25
KLF6	Kruppel-like factor 6	nucleus	-1.25
NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	nucleus	-1.25
ENO1	enolase 1, (alpha)	cytoplasm	-1.25
STAT1	signal transducer and activator of transcription 1, 91kDa	nucleus	-1.25
ANKIB1	ankyrin repeat and IBR domain containing 1	nucleus	-1.26
TRIM25	tripartite motif-containing 25	cytoplasm	-1.26
FOXC1	forkhead box C1	nucleus	-1.26
LZTR1	leucine-zipper-like transcription regulator 1	cytoplasm	-1.27
TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, <i>Drosophila</i>)	nucleus	-1.27
ZNF236	zinc finger protein 236	nucleus	-1.28
AFF1	AF4/FMR2 family, member 1	nucleus	-1.28
SIN3B	SIN3 homolog B, transcription regulator (yeast)	nucleus	-1.30
CEBPA	CCAAT/enhancer binding protein (C/EBP), alpha	nucleus	-1.31

MLXIPL	MLX interacting protein-like	nucleus	-1.31
RAD54L2	RAD54-like 2 (<i>S. cerevisiae</i>)	nucleus	-1.31
AK130514	WW domain containing transcription regulator 1	nucleus	-1.32
BE165955	cyclin D binding myb-like transcription factor 1	nucleus	-1.32
SHANK3	SH3 and multiple ankyrin repeat domains 3	cytoplasm	-1.32
DMAP1	DNA methyltransferase 1 associated protein 1	nucleus	-1.33
NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	nucleus	-1.33
INVS	inversin	nucleus	-1.33
HOXA10	homeobox A10	nucleus	-1.34
SAP30BP	SAP30 binding protein	nucleus	-1.34
AES	amino-terminal enhancer of split	nucleus	-1.35
PPARGC1B	peroxisome proliferator-activated receptor gamma, coactivator 1 beta	nucleus	-1.36
ELL3	elongation factor RNA polymerase II-like 3	nucleus	-1.37
PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	nucleus	-1.37
BAZ2A	bromodomain adjacent to zinc finger domain, 2A	nucleus	-1.37
HPB1	HMG-box transcription factor 1	nucleus	-1.37
NFIB	nuclear factor I/B	nucleus	-1.38
TCFCP2	transcription factor CP2	nucleus	-1.38
FOXO3A	forkhead box O3	nucleus	-1.39
YAPI	Yes-associated protein 1	nucleus	-1.40
EHMT2	euchromatic histone-lysine N-methyltransferase 2	nucleus	-1.41
HOXB2	homeobox B2	nucleus	-1.41
TBX2	T-box 2	nucleus	-1.42
HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	nucleus	-1.44
MAZ	MYC-associated zinc finger protein (purine-binding transcription factor)	nucleus	-1.44
MLL3	myeloid/lymphoid or mixed-lineage leukemia 3	nucleus	-1.44
FOXK1	forkhead box K1	nucleus	-1.45
GTF2I	general transcription factor III	nucleus	-1.49
ARID1B	AT rich interactive domain 1B (SWI1-like)	nucleus	-1.51
NOTCH1	Notch homolog 1, translocation-associated (<i>Drosophila</i>)	plasma membrane	-1.51
NOTCH4	Notch homolog 4 (<i>Drosophila</i>)	plasma membrane	-1.55
MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i>); translocated to, 10	nucleus	-1.62
PTRF	polymerase I and transcript release factor	nucleus	-1.64
HOXA3	homeobox A3	nucleus	-1.66
CRTC1	CREB regulated transcription coactivator 1	nucleus	-1.69
NFE2L1	nuclear factor (erythroid-derived 2)-like 1	nucleus	-1.86
<i>Translation regulators</i>			
EIF2C4	eukaryotic translation initiation factor 2C, 4	cytoplasm	1.49
EIF3S7	eukaryotic translation initiation factor 3, subunit D	cytoplasm	1.27
EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	cytoplasm	1.26
PABPC1	poly(A) binding protein, cytoplasmic 1	cytoplasm	1.24
GSPT2	G1 to S phase transition 2	cytoplasm	-1.17
EIF4B	eukaryotic translation initiation factor 4B	cytoplasm	-1.22
EIF3S12	eukaryotic translation initiation factor 3, subunit K	cytoplasm	-1.22
EIF4G3	eukaryotic translation initiation factor 4 gamma, 3	cytoplasm	-1.23
EIF3S1	eukaryotic translation initiation factor 3, subunit J	cytoplasm	-1.24
EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	cytoplasm	-1.25
EIF5A	eukaryotic translation initiation factor 5A	cytoplasm	-1.26
KIAA0664	KIAA0664	cytoplasm	-1.26
TUFM	Tu translation elongation factor, mitochondrial	cytoplasm	-1.30
EIF1	eukaryotic translation initiation factor 1	cytoplasm	-1.79
EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	cytoplasm	-1.82
EEF1A1	eukaryotic translation elongation factor 1 alpha 1	cytoplasm	-2.05
<i>Transmembrane receptors</i>			
TREM2	triggering receptor expressed on myeloid cells 2	plasma membrane	3.75
PLAUR	plasminogen activator, urokinase receptor	plasma membrane	3.54
IGSF6	immunoglobulin superfamily, member 6	plasma membrane	3.22
MSR1	macrophage scavenger receptor 1	plasma membrane	3.00
IL7R	interleukin 7 receptor	plasma membrane	2.52
MARCO	macrophage receptor with collagenous structure	plasma membrane	2.47
HAVCR2	hepatitis A virus cellular receptor 2	plasma membrane	2.42
CD2	CD2 molecule	plasma membrane	2.29
GPC4	glypican 4	plasma membrane	2.21
TNFRSF19L	RELT tumor necrosis factor receptor	plasma membrane	2.21
CD163	CD163 molecule	plasma membrane	2.20
SCARA3	scavenger receptor class A, member 3	plasma membrane	2.11
LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM)	plasma membrane	2.02

	domains), member 5		
ASGR1	asialoglycoprotein receptor 1	plasma membrane	1.99
IL10RA	interleukin 10 receptor, alpha	plasma membrane	1.97
SFRP4	secreted frizzled-related protein 4	plasma membrane	1.91
SPN	sialophorin	plasma membrane	1.79
MICB	MHC class I polypeptide-related sequence B	plasma membrane	1.66
ICAM1	intercellular adhesion molecule 1	plasma membrane	1.60
CD302	CD302 molecule	plasma membrane	1.47
MRC1L1	mannose receptor, C type 1-like 1	plasma membrane	1.46
AGER	advanced glycosylation end product-specific receptor	plasma membrane	1.44
IL4R	interleukin 4 receptor	plasma membrane	1.43
FCGRT	Fc fragment of IgG, receptor, transporter, alpha	plasma membrane	1.42
HLA-DRA	major histocompatibility complex, class II, DR alpha	plasma membrane	1.41
PLXNA1	plexin A1	plasma membrane	1.32
SIGIRR	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	plasma membrane	1.31
IL11RA	interleukin 11 receptor, alpha	plasma membrane	1.31
LRPAP1	low density lipoprotein receptor-related protein associated protein 1	plasma membrane	1.29
EPOR	erythropoietin receptor	plasma membrane	-1.17
ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	plasma membrane	-1.21
HLA-A	major histocompatibility complex, class I, A	plasma membrane	-1.24
SFRP1	secreted frizzled-related protein 1	plasma membrane	-1.26
TSPO	translocator protein (18kDa)	cytoplasm	-1.28
TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	plasma membrane	-1.30
TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b	plasma membrane	-1.33
CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	plasma membrane	-1.35
GHR	growth hormone receptor	plasma membrane	-1.44
BCAM	basal cell adhesion molecule (Lutheran blood group)	plasma membrane	-1.46
CD36	CD36 molecule (thrombospondin receptor)	plasma membrane	-1.47
RARRES2	retinoic acid receptor responder (tazarotene induced) 2	plasma membrane	-1.52
B2M	beta-2-microglobulin	plasma membrane	-1.57
HLA-B	major histocompatibility complex, class I, B	plasma membrane	-1.62
HLA-C	major histocompatibility complex, class I, C	plasma membrane	-1.64
<i>Transporter</i>			
ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	plasma membrane	5.46
APOC1	apolipoprotein C-I	extracellular space	5.11
ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	plasma membrane	4.32
DQ655984	hemoglobin, beta	cytoplasm	3.61
HBG1	hemoglobin, gamma A	cytoplasm	3.58
SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	plasma membrane	2.92
SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	plasma membrane	2.91
ECM1	extracellular matrix protein 1	extracellular space	2.86
TFRC	transferrin receptor (p90, CD71)	plasma membrane	2.52
CRABP2	cellular retinoic acid binding protein 2	cytoplasm	2.46
SLC37A2	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	unknown	2.41
SLCO2B1	solute carrier organic anion transporter family, member 2B1	plasma membrane	2.36
C1orf162	chromosome 1 open reading frame 162	unknown	2.29
SLC26A11	solute carrier family 26, member 11	cytoplasm	2.11
SLC25A37	solute carrier family 25, member 37	cytoplasm	2.11
AQP3	aquaporin 3 (Gill blood group)	plasma membrane	1.95
SLC38A1	solute carrier family 38, member 1	plasma membrane	1.88
PITPNA	phosphatidylinositol transfer protein, alpha	cytoplasm	1.82
SLC15A3	solute carrier family 15, member 3	unknown	1.80
MFSD1	major facilitator superfamily domain containing 1	unknown	1.80
VAMP8	vesicle-associated membrane protein 8 (endobrevin)	plasma membrane	1.78
RACGAP1	Rac GTPase activating protein 1	cytoplasm	1.78
SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	plasma membrane	1.75
FOLR2	folate receptor 2 (fetal)	plasma membrane	1.75
ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	plasma membrane	1.70
TMED3	transmembrane emp24 protein transport domain containing 3	cytoplasm	1.69
AL109695	solute carrier organic anion transporter family, member 3A1	plasma membrane	1.65
AP1S2	adaptor-related protein complex 1, sigma 2 subunit	cytoplasm	1.59
FABP5	fatty acid binding protein 5 (psoriasis-associated)	cytoplasm	1.58
ATP11A	ATPase, class VI, type 11A	plasma membrane	1.58
TMC6	transmembrane channel-like 6	cytoplasm	1.58
ATP8B2	ATPase, class I, type 8B, member 2	plasma membrane	1.57
AP2B1	adaptor-related protein complex 2, beta 1 subunit	cytoplasm	1.56
SFXN1	sideroflexin 1	cytoplasm	1.56
ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	plasma membrane	1.54

VPS13A	vacuolar protein sorting 13 homolog A (<i>S. cerevisiae</i>)	cytoplasm	1.54
SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	plasma membrane	1.50
SLC39A11	solute carrier family 39 (metal ion transporter), member 11	unknown	1.50
TRAF5	TNF receptor-associated factor 5	cytoplasm	1.44
SCFD1	sec1 family domain containing 1	cytoplasm	1.43
SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	plasma membrane	1.41
HNRPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	nucleus	1.37
AP3S1	adaptor-related protein complex 3, sigma 1 subunit	cytoplasm	1.33
ATP6V1A	ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A	cytoplasm	1.33
SEC61B	Sec61 beta subunit	cytoplasm	1.31
NUP43	nucleoporin 43kDa	nucleus	1.31
SNX7	sorting nexin 7	unknown	1.31
NUP62	nucleoporin 62kDa	nucleus	1.26
ATP6V1G1	ATPase, H ⁺ transporting, lysosomal 13kDa, V1 subunit G1	cytoplasm	1.25
GOPC	golgi-associated PDZ and coiled-coil motif containing	cytoplasm	1.25
SNX3	sorting nexin 3	cytoplasm	1.24
ATP5I	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit E	cytoplasm	1.21
SLC35B4	solute carrier family 35, member B4	cytoplasm	-1.11
LGTN	ligatin	cytoplasm	-1.18
SLC26A1	solute carrier family 26 (sulfate transporter), member 1	plasma membrane	-1.19
VAMP3	vesicle-associated membrane protein 3 (cellubrevin)	plasma membrane	-1.19
SYPL1	synaptophysin-like 1	plasma membrane	-1.19
SNX17	sorting nexin 17	cytoplasm	-1.19
TCOF1	Treacher Collins-Franceschetti syndrome 1	nucleus	-1.19
SERINC3	serine incorporator 3	cytoplasm	-1.20
COG2	component of oligomeric golgi complex 2	cytoplasm	-1.20
SYBL1	vesicle-associated membrane protein 7	cytoplasm	-1.20
ASNA1	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)	nucleus	-1.20
SNX5	sorting nexin 5	cytoplasm	-1.21
ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	plasma membrane	-1.21
VT11A	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)	plasma membrane	-1.22
SLC35C2	solute carrier family 35, member C2	unknown	-1.22
BET1L	blocked early in transport 1 homolog (<i>S. cerevisiae</i>)-like	cytoplasm	-1.22
SLC44A2	solute carrier family 44, member 2	extracellular space	-1.22
COPZ2	coatomer protein complex, subunit zeta 2	cytoplasm	-1.22
SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	plasma membrane	-1.23
ATP1B2	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	plasma membrane	-1.23
HBB	hemoglobin, beta	cytoplasm	-1.23
APOL3	apolipoprotein L, 3	cytoplasm	-1.23
NUP98	nucleoporin 98kDa	nucleus	-1.24
PEA15	phosphoprotein enriched in astrocytes 15	cytoplasm	-1.24
VPS11	vacuolar protein sorting 11 homolog (<i>S. cerevisiae</i>)	cytoplasm	-1.24
ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	cytoplasm	-1.25
BET1	blocked early in transport 1 homolog (<i>S. cerevisiae</i>)	cytoplasm	-1.26
AP2M1	adaptor-related protein complex 2, mu 1 subunit	cytoplasm	-1.26
ATP5B	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide	cytoplasm	-1.27
TNPO1	transportin 1	nucleus	-1.27
SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	cytoplasm	-1.27
NNAT	neuronatin	plasma membrane	-1.28
VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2)	plasma membrane	-1.28
M6PR	mannose-6-phosphate receptor (cation dependent)	cytoplasm	-1.29
ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	unknown	-1.29
SLC25A37	solute carrier family 25, member 37	cytoplasm	-1.30
VAMP4	vesicle-associated membrane protein 4	cytoplasm	-1.31
AP4M1	adaptor-related protein complex 4, mu 1 subunit	cytoplasm	-1.32
ATP5E	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit	cytoplasm	-1.34
SLC19A3	solute carrier family 19, member 3	plasma membrane	-1.34
BCAP31	B-cell receptor-associated protein 31	cytoplasm	-1.35
ENSA	endosulfine alpha	unknown	-1.35
TMED2	transmembrane emp24 domain trafficking protein 2	cytoplasm	-1.36
SLC7A6	solute carrier family 7 (cationic amino acid transporter, y ⁺ system), member 6	plasma membrane	-1.36
AQP7	aquaporin 7	plasma membrane	-1.36
SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	cytoplasm	-1.37
SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	plasma membrane	-1.38
ATP5L	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit G	cytoplasm	-1.39
DDI2	DNA-damage inducible 1 homolog 2 (<i>S. cerevisiae</i>)	plasma membrane	-1.41
EXOC3	exocyst complex component 3	plasma membrane	-1.43
STARD3	StAR-related lipid transfer (START) domain containing 3	cytoplasm	-1.44
EPB41L4B	erythrocyte membrane protein band 4.1 like 4B	unknown	-1.47
CHMP7	CHMP family, member 7	unknown	-1.48

GOLGA3	golgin A3	cytoplasm	-1.49
VPS13A	vacuolar protein sorting 13 homolog A (<i>S. cerevisiae</i>)	cytoplasm	-1.55
TMED1	transmembrane emp24 protein transport domain containing 1	extracellular space	-1.60
TINAGL1	tubulointerstitial nephritis antigen-like 1	extracellular space	-1.62
S100A6	S100 calcium binding protein A6	cytoplasm	-1.65
AKAP12	A kinase (PRKA) anchor protein 12	cytoplasm	-1.66
ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	plasma membrane	-1.69
RBP4	retinol binding protein 4, plasma	extracellular space	-1.84
SAA1	serum amyloid A1	extracellular space	-2.10
W60781	fatty acid binding protein 4, adipocyte	cytoplasm	-2.13
SNX21	sorting nexin family member 21	unknown	-1.57
<i>Other</i>			
YPEL4	yippee-like 4 (<i>Drosophila</i>)	nucleus	2.07
ZZZ3	zinc finger, ZZ-type containing 3	unknown	1.73
XG	Xg blood group	plasma membrane	1.64
ZCD2	CDGSH iron sulfur domain 2	unknown	1.50
YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	cytoplasm	1.33
YTHDF2	YTH domain family, member 2	unknown	1.27
YIF1A	Yip1 interacting factor homolog A (<i>S. cerevisiae</i>)	cytoplasm	-1.20
XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	nucleus	-1.23
TSPAN2	tetraspanin 2	unknown	-1.24
WIP12	WD repeat domain, phosphoinositide interacting 2	cytoplasm	-1.25
TSPAN6	tetraspanin 6	plasma membrane	-1.25
WHDC1L1	WAS protein homolog associated with actin, golgi membranes and microtubules-like 1	unknown	-1.27
ZYG11BL	zer-1 homolog (<i>C. elegans</i>)	unknown	-1.30
ZP1	zona pellucida glycoprotein 1 (sperm receptor)	extracellular space	-1.31
WHSC1	Wolf-Hirschhorn syndrome candidate 1	nucleus	-1.31
TSPAN14	tetraspanin 14	unknown	-1.33
ZBP1	Z-DNA binding protein 1	unknown	-1.90
RARRES1	retinoic acid receptor responder (tazarotene induced) 1	plasma membrane	6.52
PRG4	proteoglycan 4	extracellular space	4.12
RAB11FIP4	RAB11 family interacting protein 4 (class II)	cytoplasm	4.02
NLRC4	NLR family, CARD domain containing 4	cytoplasm	3.74
TRIM14	tripartite motif-containing 14	cytoplasm	3.73
ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	plasma membrane	3.54
FCGBP	Fc fragment of IgG binding protein	extracellular space	3.41
CD52	CD52 molecule	plasma membrane	3.36
SPOCD1	SPOC domain containing 1	unknown	3.31
LY86	lymphocyte antigen 86	plasma membrane	3.30
HBQ1	hemoglobin, theta 1	unknown	3.26
WDFY4	WDFY family member 4	unknown	3.23
ITGAX	integrin, alpha X (complement component 3 receptor 4 subunit)	plasma membrane	3.08
CD84	CD84 molecule	plasma membrane	3.08
LAPTM5	lysosomal protein transmembrane 5	plasma membrane	3.03
SLAMF8	SLAM family member 8	extracellular space	2.92
GLIPR1	GLI pathogenesis-related 1	extracellular space	2.90
AL832717	multiple C2 domains, transmembrane 2	unknown	2.83
CD53	CD53 molecule	plasma membrane	2.82
SLAMF7	SLAM family member 7	plasma membrane	2.74
ARHGAP22	Rho GTPase activating protein 22	cytoplasm	2.69
SNCA	synuclein, alpha (non A4 component of amyloid precursor)	cytoplasm	2.68
SIRPG	signal-regulatory protein gamma	plasma membrane	2.63
CD300A	CD300a molecule	plasma membrane	2.56
EMILIN2	elastin microfibril interfacer 2	extracellular space	2.56
LCP1	lymphocyte cytosolic protein 1 (L-plastin)	cytoplasm	2.47
ARHGAP9	Rho GTPase activating protein 9	unknown	2.46
CENPF	centromere protein F, 350/400ka (mitosin)	nucleus	2.45
TNC	tenascin C	extracellular space	2.40
DFNA5	deafness, autosomal dominant 5	unknown	2.39
HCST	hematopoietic cell signal transducer	plasma membrane	2.38
CD83	CD83 molecule	plasma membrane	2.38
TMEM30A	transmembrane protein 30A	unknown	2.37
TMEM51	transmembrane protein 51	unknown	2.37
MS4A7	membrane-spanning 4-domains, subfamily A, member 7	unknown	2.36
SPINT2	serine peptidase inhibitor, Kunitz type, 2	extracellular space	2.33
PTPLAD2	protein tyrosine phosphatase-like A domain containing 2	unknown	2.32
MS4A4A	membrane-spanning 4-domains, subfamily A, member 4	unknown	2.28
KIAA1407	KIAA1407	unknown	2.24

TNFAIP6	tumor necrosis factor, alpha-induced protein 6	extracellular space	2.23
CD68	CD68 molecule	plasma membrane	2.21
DOCK10	dedicator of cytokinesis 10	unknown	2.20
CNN1	calponin 1, basic, smooth muscle	cytoplasm	2.20
ARMC9	armadillo repeat containing 9	unknown	2.19
ANKRD58	ankyrin repeat domain 58	unknown	2.19
C6orf59	non-protein coding RNA 241	unknown	2.18
PSD3	pleckstrin and Sec7 domain containing 3	unknown	2.17
DAPP1	dual adaptor of phosphotyrosine and 3-phosphoinositides	cytoplasm	2.17
C1orf38	chromosome 1 open reading frame 38	unknown	2.16
LPXN	leupaxin	cytoplasm	2.14
LGALS2	lectin, galactoside-binding, soluble, 2	cytoplasm	2.13
TYROBP	TYRO protein tyrosine kinase binding protein	plasma membrane	2.13
TRIM62	tripartite motif-containing 62	unknown	2.11
SH3TC1	SH3 domain and tetratricopeptide repeats 1	unknown	2.10
C22orf35	myocardial infarction associated transcript (non-protein coding)	unknown	2.10
FAM20A	family with sequence similarity 20, member A	extracellular space	2.09
TRAF3IP3	TRAF3 interacting protein 3	unknown	2.07
ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	unknown	2.05
PLTP	phospholipid transfer protein	extracellular space	2.04
KIAA1212	coiled-coil domain containing 88A	cytoplasm	2.03
LSP1	lymphocyte-specific protein 1	cytoplasm	2.01
TRA2A	transformer 2 alpha homolog (<i>Drosophila</i>)	nucleus	2.01
SEMA3D	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	extracellular space	2.01
VSIG4	V-set and immunoglobulin domain containing 4	plasma membrane	2.01
C13orf33	chromosome 13 open reading frame 33	unknown	1.98
STMN1	stathmin 1	cytoplasm	1.97
TBC1D8	TBC1 domain family, member 8 (with GRAM domain)	plasma membrane	1.96
ZNF710	zinc finger protein 710	nucleus	1.96
C13orf21	stress-associated endoplasmic reticulum protein family member 2	unknown	1.96
FAM78A	family with sequence similarity 78, member A	unknown	1.95
MYD88	myeloid differentiation primary response gene (88)	plasma membrane	1.94
C1orf186	chromosome 1 open reading frame 186	unknown	1.94
PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	cytoplasm	1.93
C14orf78	AHNAK nucleoprotein 2	unknown	1.93
PLEKHG4	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	unknown	1.92
BRWD2	WD repeat domain 11	unknown	1.91
IL17D	interleukin 17D	extracellular space	1.90
PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	unknown	1.89
LST1	leukocyte specific transcript 1	plasma membrane	1.89
CCDC99	coiled-coil domain containing 99	unknown	1.88
ITGA11	integrin, alpha 11	plasma membrane	1.87
C19orf28	chromosome 19 open reading frame 28	unknown	1.87
C1QB	complement component 1, q subcomponent, B chain	extracellular space	1.87
NKG7	natural killer cell group 7 sequence	plasma membrane	1.86
PAPLN	papilin, proteoglycan-like sulfated glycoprotein	unknown	1.86
C14orf132	chromosome 14 open reading frame 132	unknown	1.86
ZCCHC10	zinc finger, CCHC domain containing 10	unknown	1.86
CSPG2	versican	extracellular space	1.84
TNFAIP2	tumor necrosis factor, alpha-induced protein 2	extracellular space	1.84
PUS7	pseudouridylylate synthase 7 homolog (<i>S. cerevisiae</i>)	unknown	1.83
ZNF469	zinc finger protein 469	nucleus	1.82
THBS2	thrombospondin 2	extracellular space	1.82
PCDHB16	protocadherin beta 16	plasma membrane	1.81
ZBED5	zinc finger, BED-type containing 5	nucleus	1.80
CALM3	calmodulin 3 (phosphorylase kinase, delta)	plasma membrane	1.80
REPS2	RALBP1 associated Eps domain containing 2	cytoplasm	1.80
MARCKS	myristoylated alanine-rich protein kinase C substrate	plasma membrane	1.79
LXN	latexin	cytoplasm	1.78
FBN1	fibrillin 1	extracellular space	1.78
C8orf30A	chromosome 8 open reading frame 30A	unknown	1.77
GPR137B	G protein-coupled receptor 137B	plasma membrane	1.76
CR601694	PCF11, cleavage and polyadenylation factor subunit, homolog (<i>S. cerevisiae</i>)	nucleus	1.76
SAMD3	sterile alpha motif domain containing 3	unknown	1.76
TRIM37	tripartite motif-containing 37	cytoplasm	1.75
CDCA7L	cell division cycle associated 7-like	nucleus	1.75
CFP	complement factor properdin	extracellular space	1.75
CAPG	capping protein (actin filament), gelsolin-like	nucleus	1.74
RPL39L	ribosomal protein L39-like	cytoplasm	1.74

LUM	lumican	extracellular space	1.74
C1QA	complement component 1, q subcomponent, A chain	extracellular space	1.73
TIMP1	TIMP metallopeptidase inhibitor 1	extracellular space	1.73
LACE1	lactation elevated 1	unknown	1.73
ZMYND15	zinc finger, MYND-type containing 15	unknown	1.73
RAB42	RAB42, member RAS oncogene family	unknown	1.73
ACTG1	actin, gamma 1	cytoplasm	1.73
MYO1D	myosin ID	plasma membrane	1.73
MTMR11	myotubularin related protein 11	unknown	1.73
IGSF21	immunoglobulin superfamily, member 21	unknown	1.72
PELI1	pellino homolog 1 (<i>Drosophila</i>)	cytoplasm	1.71
FAM46A	family with sequence similarity 46, member A	unknown	1.71
CA421238	collagen, type VI, alpha 2	extracellular space	1.69
MAFB	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	nucleus	1.69
RNF125	ring finger protein 125	unknown	1.69
PPL	periplakin	cytoplasm	1.68
BAZ1A	bromodomain adjacent to zinc finger domain, 1A	nucleus	1.68
VWCE	von Willebrand factor C and EGF domains	unknown	1.67
MOSPD1	motile sperm domain containing 1	unknown	1.67
MYCT1	myc target 1	nucleus	1.67
LRRC25	leucine rich repeat containing 25	unknown	1.67
CD9	CD9 molecule	plasma membrane	1.66
RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	plasma membrane	1.66
KIAA1826	KIAA1826	nucleus	1.65
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	nucleus	1.65
OBFC2A	oligonucleotide/oligosaccharide-binding fold containing 2A	unknown	1.64
KIAA1598	KIAA1598	unknown	1.64
ZNF555	zinc finger protein 555	unknown	1.63
THBS1	thrombospondin 1	extracellular space	1.63
THY1	Thy-1 cell surface antigen	plasma membrane	1.63
LAT	linker for activation of T cells	plasma membrane	1.63
FANCC	Fanconi anemia, complementation group C	nucleus	1.63
NLRP3	NLR family, pyrin domain containing 3	cytoplasm	1.62
TGFB1	transforming growth factor, beta-induced, 68kDa	extracellular space	1.62
ZC3H12A	zinc finger CCCH-type containing 12A	unknown	1.62
WDR6	WD repeat domain 6	unknown	1.61
TUBA6	tubulin, alpha 1c	cytoplasm	1.61
AIF1	allograft inflammatory factor 1	nucleus	1.61
RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	cytoplasm	1.61
EMP3	epithelial membrane protein 3	plasma membrane	1.61
C9orf19	GLI pathogenesis-related 2	cytoplasm	1.61
TCL6	T-cell leukemia/lymphoma 6 (non-protein coding)	unknown	1.61
CTGLF4	ArfGAP with GTPase domain, ankyrin repeat and PH domain 7	unknown	1.60
PHIP	pleckstrin homology domain interacting protein	nucleus	1.60
EVL	Enah/Vasp-like	cytoplasm	1.60
FAM96A	family with sequence similarity 96, member A	extracellular space	1.60
CLEC10A	C-type lectin domain family 10, member A	plasma membrane	1.60
BID	BH3 interacting domain death agonist	cytoplasm	1.59
IER5	immediate early response 5	unknown	1.59
KDELC1	KDEL (Lys-Asp-Glu-Leu) containing 1	unknown	1.59
MBP	myelin basic protein	extracellular space	1.59
ANKRD13A	ankyrin repeat domain 13A	unknown	1.58
NPC2	Niemann-Pick disease, type C2	extracellular space	1.58
FAM57A	family with sequence similarity 57, member A	plasma membrane	1.58
SH3BGRL	SH3 domain binding glutamic acid-rich protein like	unknown	1.58
OSBPL11	oxysterol binding protein-like 11	cytoplasm	1.57
BX648831	poly(A) binding protein, cytoplasmic 4-like	unknown	1.57
FAM14A	interferon, alpha-inducible protein 27-like 2	unknown	1.57
FANCG	Fanconi anemia, complementation group G	nucleus	1.57
TTTY14	testis-specific transcript, Y-linked 14 (non-protein coding)	unknown	1.56
TRAPPCC6B	trafficking protein particle complex 6B	cytoplasm	1.56
ARHGAP4	Rho GTPase activating protein 4	cytoplasm	1.55
CD58	CD58 molecule	plasma membrane	1.55
STOX2	storkhead box 2	unknown	1.55
CENTA2	ArfGAP with dual PH domains 2	cytoplasm	1.55
ACTB	actin, beta	cytoplasm	1.54
UBIAD1	UbiA prenyltransferase domain containing 1	nucleus	1.54
SLPI	secretory leukocyte peptidase inhibitor	cytoplasm	1.54
MSN	moesin	plasma membrane	1.54
UTP18	UTP18, small subunit (SSU) processome component, homolog (yeast)	nucleus	1.54
SPOCK2	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2	extracellular space	1.53

SLC24A6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	plasma membrane	1.53
AK023040	hypothetical protein LOC100132815	unknown	1.53
CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	cytoplasm	1.53
TRMT11	tRNA methyltransferase 11 homolog (S. cerevisiae)	unknown	1.53
C6orf173	centromere protein W	unknown	1.53
CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	plasma membrane	1.53
SRPX	sushi-repeat-containing protein, X-linked	cytoplasm	1.52
STMN3	stathmin-like 3	nucleus	1.52
MFAP5	microfibrillar associated protein 5	extracellular space	1.52
FAM129A	family with sequence similarity 129, member A	unknown	1.52
HISPPD1	diphosphoinositol pentakisphosphate kinase 2	cytoplasm	1.52
NUS1	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)	unknown	1.52
ABI1	abl-interactor 1	cytoplasm	1.52
GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	nucleus	1.52
OLFML2B	olfactomedin-like 2B	unknown	1.52
AK125672	transmembrane channel-like 8	unknown	1.52
UBQLN2	ubiquilin 2	nucleus	1.51
CCDC93	coiled-coil domain containing 93	unknown	1.51
ZNF228	zinc finger protein 112 homolog (mouse)	nucleus	1.51
C12orf4	chromosome 12 open reading frame 4	unknown	1.51
PRICKLE1	prickle homolog 1 (Drosophila)	nucleus	1.50
FUSIP1	splicing factor, arginine/serine-rich 13A	nucleus	1.50
DIAPH1	diaphanous homolog 1 (Drosophila)	cytoplasm	1.50
PLEKH01	pleckstrin homology domain containing, family O member 1	plasma membrane	1.50
FER1L3	myoferlin	nucleus	1.50
FTHL17	ferritin, heavy polypeptide-like 17	cytoplasm	1.50
INTS8	integrator complex subunit 8	nucleus	1.50
NOC3L	nucleolar complex associated 3 homolog (S. cerevisiae)	nucleus	1.49
RPL26L1	ribosomal protein L26-like 1	unknown	1.49
DENNND2D	DENN/MADD domain containing 2D	cytoplasm	1.49
SFRS16	splicing factor, arginine/serine-rich 16	nucleus	1.49
RPL31	ribosomal protein L31	cytoplasm	1.49
C20orf23	kinesin family member 16B	cytoplasm	1.49
TRIM35	tripartite motif-containing 35	cytoplasm	1.49
MFAP4	microfibrillar-associated protein 4	extracellular space	1.48
SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3	nucleus	1.48
TUBA1	tubulin, alpha 4a	cytoplasm	1.48
RGPD5	RANBP2-like and GRIP domain containing 5	nucleus	1.48
FSTL1	follistatin-like 1	extracellular space	1.48
CCDC112	coiled-coil domain containing 112	unknown	1.48
C10orf46	chromosome 10 open reading frame 46	unknown	1.48
KIF3A	kinesin family member 3A	cytoplasm	1.48
CD44	CD44 molecule (Indian blood group)	plasma membrane	1.47
C5orf13	chromosome 5 open reading frame 13	cytoplasm	1.47
MICALL2	MICAL-like 2	cytoplasm	1.47
C22orf9	chromosome 22 open reading frame 9	unknown	1.47
AUTS2	autism susceptibility candidate 2	unknown	1.47
PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	plasma membrane	1.47
RASGRP3	RAS guanyl releasing protein 3 (calcium and DAG-regulated)	cytoplasm	1.46
HNRPH2	heterogeneous nuclear ribonucleoprotein H2 (H ⁺)	nucleus	1.46
BC036938	transcription factor NF-E4	nucleus	1.46
PROS1	protein S (alpha)	extracellular space	1.46
PCOLCE	procollagen C-endopeptidase enhancer	extracellular space	1.46
TRIM39	tripartite motif-containing 39	unknown	1.45
C16orf69	transmembrane protein 188	unknown	1.45
RPL17	ribosomal protein L17	cytoplasm	1.45
WDR1	WD repeat domain 1	extracellular space	1.44
PCNA	proliferating cell nuclear antigen	nucleus	1.44
BC062324	major histocompatibility complex, class I, J (pseudogene)	unknown	1.44
RPS27A	ribosomal protein S27a	cytoplasm	1.43
ARMET	mesencephalic astrocyte-derived neurotrophic factor	extracellular space	1.43
ROD1	ROD1 regulator of differentiation 1 (S. pombe)	nucleus	1.43
TTC21A	tetratricopeptide repeat domain 21A	unknown	1.43
KAZALD1	Kazal-type serine peptidase inhibitor domain 1	extracellular space	1.43
S100A10	S100 calcium binding protein A10	cytoplasm	1.42
RPS13	ribosomal protein S13	cytoplasm	1.42
HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	cytoplasm	1.42
AKAP13	A kinase (PRKA) anchor protein 13	cytoplasm	1.42
AK127569	hypothetical LOC100190939	unknown	1.42
ZNF700	zinc finger protein 700	unknown	1.42
HSPBAP1	HSPB (heat shock 27kDa) associated protein 1	unknown	1.42

TNXB	tenascin XB	extracellular space	1.42
SUSD1	sushi domain containing 1	unknown	1.42
TUBB2C	tubulin, beta 2C	cytoplasm	1.42
TMED5	transmembrane emp24 protein transport domain containing 5	cytoplasm	1.42
ZNF410	zinc finger protein 410	nucleus	1.42
RPL6	ribosomal protein L6	cytoplasm	1.42
COTL1	coactosin-like 1 (Dictyostelium)	cytoplasm	1.42
C14orf106	chromosome 14 open reading frame 106	nucleus	1.41
NOLC1	nucleolar and coiled-body phosphoprotein 1	nucleus	1.41
FAM49B	family with sequence similarity 49, member B	unknown	1.41
PCDHB14	protocadherin beta 14	plasma membrane	1.41
SWAP70	SWAP switching B-cell complex 70kDa subunit	cytoplasm	1.41
CR618523	sorting nexin 29	unknown	1.41
QTRTD1	queuine tRNA-ribosyltransferase domain containing 1	unknown	1.40
PLEKHB2	pleckstrin homology domain containing, family B (ejectins) member 2	unknown	1.40
TCEAL5	transcription elongation factor A (SII)-like 5	unknown	1.40
DAZAP2	DAZ associated protein 2	nucleus	1.40
OSR2	odd-skipped related 2 (Drosophila)	unknown	1.40
UBQLN1	ubiquilin 1	cytoplasm	1.40
RPL28	ribosomal protein L28	cytoplasm	1.40
RPL36A	ribosomal protein L36a	cytoplasm	1.40
RPL18	ribosomal protein L18	cytoplasm	1.40
KIAA0372	tetratricopeptide repeat domain 37	unknown	1.40
GP9	glycoprotein IX (platelet)	plasma membrane	1.39
H3F3A	H3 histone, family 3A	nucleus	1.39
TIPRL	TIP41, TOR signaling pathway regulator-like (S. cerevisiae)	unknown	1.39
GNB1L	guanine nucleotide binding protein (G protein), beta polypeptide 1-like	unknown	1.39
C16orf53	chromosome 16 open reading frame 53	nucleus	1.39
PRNP	prion protein	plasma membrane	1.39
CLSTN1	calsyntenin 1	plasma membrane	1.39
TPM3	tropomyosin 3	cytoplasm	1.39
CNOT6L	CCR4-NOT transcription complex, subunit 6-like	cytoplasm	1.39
CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	plasma membrane	1.39
TMEM53	transmembrane protein 53	unknown	1.39
SFRS6	splicing factor, arginine-serine-rich 6	nucleus	1.38
PDLIM4	PDZ and LIM domain 4	cytoplasm	1.38
SEC31A	SEC31 homolog A (S. cerevisiae)	cytoplasm	1.38
DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9	unknown	1.38
TMEM33	transmembrane protein 33	unknown	1.38
KCTD18	potassium channel tetramerisation domain containing 18	unknown	1.38
NUCDC1	NudC domain containing 1	unknown	1.38
PPRC1	peroxisome proliferator-activated receptor gamma, coactivator-related 1	extracellular space	1.38
TRIM47	tripartite motif-containing 47	cytoplasm	1.38
SPON2	spondin 2, extracellular matrix protein	extracellular space	1.37
H2AFY	H2A histone family, member Y	nucleus	1.37
ZNF646	zinc finger protein 646	nucleus	1.37
RBMX	RNA binding motif protein, X-linked	nucleus	1.37
NACAL	nascent polypeptide-associated complex alpha subunit 2	unknown	1.37
H2AFV	H2A histone family, member V	nucleus	1.37
NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	cytoplasm	1.36
C1orf85	chromosome 1 open reading frame 85	extracellular space	1.36
FTL	ferritin, light polypeptide	cytoplasm	1.36
ORC6L	origin recognition complex, subunit 6 like (yeast)	nucleus	1.36
TBRG1	transforming growth factor beta regulator 1	unknown	1.35
CCDC14	coiled-coil domain containing 14	unknown	1.35
ARHGAP21	Rho GTPase activating protein 21	cytoplasm	1.35
C10orf9	cyclin Y	nucleus	1.35
SLITRK2	SLIT and NTRK-like family, member 2	unknown	1.35
LGALS3	lectin, galactoside-binding, soluble, 3	extracellular space	1.35
RINT1	RAD50 interactor 1	nucleus	1.35
TBC1D1	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	nucleus	1.35
SCARA5	scavenger receptor class A, member 5 (putative)	cytoplasm	1.35
PARK7	Parkinson disease (autosomal recessive, early onset) 7	nucleus	1.35
TTC7A	tetratricopeptide repeat domain 7A	plasma membrane	1.35
ZNF75	zinc finger protein 75D	nucleus	1.34
S100A11	S100 calcium binding protein A11	cytoplasm	1.34
GPATCH8	G patch domain containing 8	unknown	1.34
MAP2K1IP1	MAPK scaffold protein 1	cytoplasm	1.34
CXorf26	chromosome × open reading frame 26	unknown	1.34
CDC42SE2	CDC42 small effector 2	plasma membrane	1.33

C1orf52	chromosome 1 open reading frame 52	unknown	1.33
CRIP1	cysteine-rich protein 1 (intestinal)	cytoplasm	1.33
THSD1	thrombospondin, type I, domain containing 1	extracellular space	1.33
TCEAL6	transcription elongation factor A (SII)-like 6	unknown	1.33
DDEF2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	nucleus	1.33
ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	cytoplasm	1.32
MGP	matrix Gla protein	extracellular space	1.32
FAM21C	family with sequence similarity 21, member C	unknown	1.32
RPL30	ribosomal protein L30	cytoplasm	1.32
DSTN	destrin (actin depolymerizing factor)	cytoplasm	1.32
CUL4B	cullin 4B	unknown	1.32
HOMER3	homer homolog 3 (Drosophila)	plasma membrane	1.32
RNF103	ring finger protein 103	unknown	1.32
ATG5	ATG5 autophagy related 5 homolog (S. cerevisiae)	cytoplasm	1.32
CPSF6	cleavage and polyadenylation specific factor 6, 68kDa	nucleus	1.32
ACTR3	ARP3 actin-related protein 3 homolog (yeast)	plasma membrane	1.32
ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	plasma membrane	1.32
RPL37	ribosomal protein L37	cytoplasm	1.31
RPL34	ribosomal protein L34	cytoplasm	1.31
PDCD10	programmed cell death 10	cytoplasm	1.31
HMCN1	hemicentin 1	extracellular space	1.31
DLGAP4	discs, large (Drosophila) homolog-associated protein 4	plasma membrane	1.31
RPL23A	ribosomal protein L23a	cytoplasm	1.31
LSM6	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	nucleus	1.31
FAM76B	family with sequence similarity 76, member B	unknown	1.31
COG3	component of oligomeric golgi complex 3	cytoplasm	1.31
CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7	unknown	1.31
BCAS2	breast carcinoma amplified sequence 2	nucleus	1.30
ELOVL1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	cytoplasm	1.30
CCAR1	cell division cycle and apoptosis regulator 1	nucleus	1.30
DDB1	damage-specific DNA binding protein 1, 127kDa	nucleus	1.30
FUNDC1	FUN14 domain containing 1	unknown	1.30
RPLP0	ribosomal protein, large, P0	cytoplasm	1.30
DTWD1	DTW domain containing 1	unknown	1.30
TPR	translocated promoter region (to activated MET oncogene)	nucleus	1.30
SLIT3	slit homolog 3 (Drosophila)	extracellular space	1.29
RBMS5	RNA binding motif protein 5	nucleus	1.29
PROCR	protein C receptor, endothelial	plasma membrane	1.29
RPL13A	ribosomal protein L13a	cytoplasm	1.29
ERH	enhancer of rudimentary homolog (Drosophila)	nucleus	1.29
LUC7L2	LUC7-like 2 (S. cerevisiae)	unknown	1.29
C1orf123	chromosome 1 open reading frame 123	unknown	1.28
ABLM1	actin binding LIM protein 1	cytoplasm	1.28
DNMBP	dynamin binding protein	cytoplasm	1.28
OTUD1	OTU domain containing 1	unknown	1.28
RPL21	ribosomal protein L21	cytoplasm	1.28
C7orf23	chromosome 7 open reading frame 23	unknown	1.28
FBLN1	fibulin 1	extracellular space	1.28
KIAA1840	spastic paraplegia 11 (autosomal recessive)	unknown	1.27
NME2P1	non-metastatic cells 2, protein (NM23B) expressed in, pseudogene 1	unknown	1.27
HNRPA1	heterogeneous nuclear ribonucleoprotein A1	nucleus	1.27
C20orf11	chromosome 20 open reading frame 11	nucleus	1.27
LAPTM4A	lysosomal protein transmembrane 4 alpha	cytoplasm	1.26
ARL6IP4	ADP-ribosylation-like factor 6 interacting protein 4	nucleus	1.26
IGFBP3	insulin-like growth factor binding protein 3	extracellular space	1.26
MESDC2	mesoderm development candidate 2	extracellular space	1.26
RPS26	ribosomal protein S26	cytoplasm	1.26
PSME1	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)	cytoplasm	1.26
NPIP	nuclear pore complex interacting protein	nucleus	1.26
CLTA	clathrin, light chain A	plasma membrane	1.26
MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	nucleus	1.25
C11orf54	chromosome 11 open reading frame 54	nucleus	1.25
ZNF480	zinc finger protein 480	nucleus	1.25
CEMP1	cementum protein 1	unknown	1.25
HSPB1	heat shock 27kDa protein 1	cytoplasm	1.25
NOLA3	NOP10 ribonucleoprotein homolog (yeast)	nucleus	1.25
RPL7A	ribosomal protein L7a	cytoplasm	1.25
RPL39	ribosomal protein L39	cytoplasm	1.25
HMGN2	high-mobility group nucleosomal binding domain 2	nucleus	1.25
TATDN2	TatD DNase domain containing 2	nucleus	1.24
C11orf31	chromosome 11 open reading frame 31	nucleus	1.24

CLTC	clathrin, heavy chain (Hc)	plasma membrane	1.24
RPL36AL	ribosomal protein L36a-like	cytoplasm	1.24
RPS25	ribosomal protein S25	cytoplasm	1.24
CR626634	V-set and immunoglobulin domain containing 10 like	unknown	1.23
RPL23	ribosomal protein L23	cytoplasm	1.23
PUM1	pumilio homolog 1 (Drosophila)	cytoplasm	1.23
H3F3B	H3 histone, family 3B (H3.3B)	nucleus	1.23
MORF4L1	mortality factor 4 like 1	nucleus	1.23
RPL15	ribosomal protein L15	cytoplasm	1.23
C20orf149	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)	unknown	1.23
RPS21	ribosomal protein S21	cytoplasm	1.23
KIF13B	kinesin family member 13B	cytoplasm	1.22
RPS10	ribosomal protein S10	cytoplasm	1.22
C1orf164	ring finger protein 220	unknown	1.22
RPL12	ribosomal protein L12	cytoplasm	1.22
FBL	fibrillarin	nucleus	1.22
ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	cytoplasm	1.22
PLEKHA1	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	cytoplasm	1.22
C20orf3	chromosome 20 open reading frame 3	plasma membrane	1.22
RPL14	ribosomal protein L14	cytoplasm	1.21
RPL9	ribosomal protein L9	cytoplasm	1.21
FAM116A	family with sequence similarity 116, member A	unknown	1.21
C10orf12	chromosome 10 open reading frame 12	unknown	1.20
C11orf49	chromosome 11 open reading frame 49	unknown	1.20
PDCD2	programmed cell death 2	nucleus	1.20
CASC3	cancer susceptibility candidate 3	nucleus	1.19
ARHGAP1	Rho GTPase activating protein 1	cytoplasm	1.18
RPS7	ribosomal protein S7	cytoplasm	1.18
ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa	cytoplasm	1.18
ACBD3	acyl-CoA binding domain containing 3	cytoplasm	1.17
TRAM1	translocation associated membrane protein 1	cytoplasm	1.17
ZNF559	zinc finger protein 559	nucleus	-1.04
SLC25A35	solute carrier family 25, member 35	unknown	-1.05
RUFY3	RUN and FYVE domain containing 3	unknown	-1.08
C12orf49	chromosome 12 open reading frame 49	unknown	-1.08
SLIT1	slit homolog 1 (Drosophila)	extracellular space	-1.09
THAP8	THAP domain containing 8	unknown	-1.09
ZNF581	zinc finger protein 581	nucleus	-1.09
BX337332	hypothetical LOC100240735	unknown	-1.10
IGSF10	immunoglobulin superfamily, member 10	unknown	-1.10
SNTG2	syntrophin, gamma 2	plasma membrane	-1.11
FBXO38	F-box protein 38	nucleus	-1.11
ZNF673	zinc finger family member 673	unknown	-1.11
SETD5	SET domain containing 5	unknown	-1.13
RWDD2	RWD domain containing 2A	unknown	-1.13
BRCC3	BRCA1/BRCA2-containing complex, subunit 3	unknown	-1.13
MAP7	microtubule-associated protein 7	cytoplasm	-1.16
KLHL24	kelch-like 24 (Drosophila)	unknown	-1.17
GRB2	growth factor receptor-bound protein 2	cytoplasm	-1.17
C14orf11	E2F-associated phosphoprotein	cytoplasm	-1.17
SYF2	SYF2 homolog, RNA splicing factor (<i>S. cerevisiae</i>)	nucleus	-1.17
KIFC2	kinesin family member C2	cytoplasm	-1.17
IQCG	IQ motif containing G	unknown	-1.17
C9orf23	chromosome 9 open reading frame 23	unknown	-1.17
MRFAP1L1	Morf4 family associated protein 1-like 1	unknown	-1.18
MRPL45	mitochondrial ribosomal protein L45	cytoplasm	-1.18
SKIV2L2	superkiller viralicidic activity 2-like 2 (<i>S. cerevisiae</i>)	nucleus	-1.18
KLHDC3	kelch domain containing 3	cytoplasm	-1.18
TMEM86B	transmembrane protein 86B	unknown	-1.18
TBCEL	tubulin folding cofactor E-like	unknown	-1.18
WASF2	WAS protein family, member 2	cytoplasm	-1.18
TNRC15	GRB10 interacting GYF protein 2	unknown	-1.18
TMEM153	lipase maturation factor 2	unknown	-1.18
ADRM1	adhesion regulating molecule 1	plasma membrane	-1.18
TMEM63A	transmembrane protein 63A	unknown	-1.18
HSPBP1	HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1	unknown	-1.18
F8	coagulation factor VIII, procoagulant component	extracellular space	-1.18
MRPL10	mitochondrial ribosomal protein L10	unknown	-1.18
C6orf182	chromosome 6 open reading frame 182	unknown	-1.18

HIST1H4H	histone cluster 1, H4h	nucleus	-1.18
BBS4	Bardet-Biedl syndrome 4	cytoplasm	-1.19
RBM34	RNA binding motif protein 34	nucleus	-1.19
TTC3	tetratricopeptide repeat domain 3	cytoplasm	-1.19
FAM70B	family with sequence similarity 70, member B	unknown	-1.19
DHRS7B	dehydrogenase/reductase (SDR family) member 7B	unknown	-1.19
CHMP5	chromatin modifying protein 5	cytoplasm	-1.19
C6orf152	Leber congenital amaurosis 5	unknown	-1.19
C20orf198	small nucleolar RNA host gene 11 (non-protein coding)	unknown	-1.19
BLOC1S1	biogenesis of lysosomal organelles complex-1, subunit 1	cytoplasm	-1.19
TIMP4	TIMP metallopeptidase inhibitor 4	extracellular space	-1.19
MED10	mediator complex subunit 10	nucleus	-1.19
CRELD1	cysteine-rich with EGF-like domains 1	unknown	-1.19
COQ7	coenzyme Q7 homolog, ubiquinone (yeast)	cytoplasm	-1.19
ZBTB45	zinc finger and BTB domain containing 45	nucleus	-1.19
GADD45A	growth arrest and DNA-damage-inducible, alpha	nucleus	-1.19
FLOT1	flotillin 1	plasma membrane	-1.19
CR603845	hypothetical protein LOC729678	unknown	-1.19
AA279208	RAD23 homolog B (S. cerevisiae)	nucleus	-1.19
SRPR	signal recognition particle receptor (docking protein)	cytoplasm	-1.19
BCL2L2	BCL2-like 2	cytoplasm	-1.19
SF3A1	splicing factor 3a, subunit 1, 120kDa	nucleus	-1.20
CCDC58	coiled-coil domain containing 58	unknown	-1.20
SAMM50	sorting and assembly machinery component 50 homolog (S. cerevisiae)	cytoplasm	-1.20
HIST1H2AH	histone cluster 1, H2ah	nucleus	-1.20
CTNNBL1	catenin, beta like 1	nucleus	-1.20
MPZL1	myelin protein zero-like 1	plasma membrane	-1.20
WDR48	WD repeat domain 48	cytoplasm	-1.20
F11R	F11 receptor	plasma membrane	-1.20
LNX2	ligand of numb-protein × 2	unknown	-1.20
HCP5	HLA complex P5	unknown	-1.20
MRPL34	mitochondrial ribosomal protein L34	cytoplasm	-1.20
C10orf9	cyclin Y	nucleus	-1.20
TICAM2	toll-like receptor adaptor molecule 2	plasma membrane	-1.20
CR625518	hypothetical protein LOC100287015	unknown	-1.20
SF3B2	splicing factor 3b, subunit 2, 145kDa	nucleus	-1.20
KIF5B	kinesin family member 5B	cytoplasm	-1.21
PHF17	PHD finger protein 17	nucleus	-1.21
SSNA1	Sjogren syndrome nuclear autoantigen 1	plasma membrane	-1.21
C18orf1	chromosome 18 open reading frame 1	unknown	-1.21
CTNNAL1	catenin (cadherin-associated protein), alpha-like 1	plasma membrane	-1.21
FAM45A	family with sequence similarity 45, member A	unknown	-1.21
ZNF587	zinc finger protein 587	nucleus	-1.21
ZNF493	zinc finger protein 493	nucleus	-1.21
TUBA8	tubulin, alpha 8	unknown	-1.21
HIP1	huntingtin interacting protein 1	cytoplasm	-1.21
C16orf51	transmembrane protein 186	cytoplasm	-1.21
MNAB	ring finger and CCCH-type zinc finger domains 2	plasma membrane	-1.21
FAM18B	family with sequence similarity 18, member B	unknown	-1.21
C9orf37	chromosome 9 open reading frame 37	unknown	-1.21
RPLP0	ribosomal protein, large, P0	cytoplasm	-1.21
KLF8	Kruppel-like factor 8	nucleus	-1.21
HIST2H2AA4	histone cluster 2, H2aa4	nucleus	-1.21
SCUBE2	signal peptide, CUB domain, EGF-like 2	unknown	-1.21
ATAD1	ATPase family, AAA domain containing 1	unknown	-1.21
STOM	stomatin	plasma membrane	-1.21
TMEM106C	transmembrane protein 106C	unknown	-1.21
CLPTM1L	CLPTM1-like	unknown	-1.21
BC018597	ankyrin repeat domain 33B	unknown	-1.22
ATXN7L3	ataxin 7-like 3	unknown	-1.22
CDR1	cerebellar degeneration-related protein 1, 34kDa	unknown	-1.22
CCDC46	coiled-coil domain containing 46	unknown	-1.22
TMOD3	tropomodulin 3 (ubiquitous)	cytoplasm	-1.22
PHF20	PHD finger protein 20	nucleus	-1.22
CENPQ	centromere protein Q	unknown	-1.22
TBC1D23	TBC1 domain family, member 23	unknown	-1.22
BC015962	kelch-like 18 (Drosophila)	unknown	-1.22
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	cytoplasm	-1.22
C3orf37	chromosome 3 open reading frame 37	unknown	-1.22
MRPL46	mitochondrial ribosomal protein L46	cytoplasm	-1.22
ZRSR2	zinc finger (CCCH type), RNA-binding motif and serine/arginine rich 2	nucleus	-1.22

MYO1C	myosin IC	cytoplasm	-1.22
ICA1	islet cell autoantigen 1, 69kDa	cytoplasm	-1.22
MLF2	myeloid leukemia factor 2	nucleus	-1.22
RAG1AP1	recombination activating gene 1 activating protein 1	plasma membrane	-1.22
ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	cytoplasm	-1.22
EHD2	EH-domain containing 2	nucleus	-1.22
RPS18	ribosomal protein S18	cytoplasm	-1.22
HNRPC	heterogeneous nuclear ribonucleoprotein C (C1/C2)	nucleus	-1.22
RUTBC3	small G protein signaling modulator 3	unknown	-1.23
KIAA2013	KIAA2013	unknown	-1.23
SH3BP2	SH3-domain binding protein 2	cytoplasm	-1.23
PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	plasma membrane	-1.23
NARS2	asparaginyl-tRNA synthetase 2, mitochondrial (putative)	unknown	-1.23
C4orf12	non-protein coding RNA 247	unknown	-1.23
VPS24	vacuolar protein sorting 24 homolog (S. cerevisiae)	cytoplasm	-1.23
TMEM100	transmembrane protein 100	unknown	-1.23
NOP17	PIH1 domain containing 1	unknown	-1.23
C19orf42	chromosome 19 open reading frame 42	unknown	-1.23
KIAA1147	KIAA1147	unknown	-1.23
C20orf133	MACRO domain containing 2	unknown	-1.23
COMM7	COMM domain containing 7	unknown	-1.23
EPDR1	ependymin related protein 1 (zebrafish)	nucleus	-1.23
RPS13	ribosomal protein S13	cytoplasm	-1.23
RNASEH2C	ribonuclease H2, subunit C	unknown	-1.23
C14orf153	chromosome 14 open reading frame 153	cytoplasm	-1.24
BECN1	beclin 1, autophagy related	cytoplasm	-1.24
MBOAT5	lysophosphatidylcholine acyltransferase 3	plasma membrane	-1.24
ESAM	endothelial cell adhesion molecule	plasma membrane	-1.24
PLEKHH3	pleckstrin homology domain containing, family H (with MyTH4 domain) member 3	unknown	-1.24
KLHL23	kelch-like 23 (Drosophila)	unknown	-1.24
NPHP3	nephronophthisis 3 (adolescent)	unknown	-1.24
FYCO1	FYVE and coiled-coil domain containing 1	unknown	-1.24
ZBTB4	zinc finger and BTB domain containing 4	nucleus	-1.24
KNTC1	kinetochore associated 1	nucleus	-1.24
RASSF3	Ras association (RalGDS/AF-6) domain family member 3	unknown	-1.24
C2orf17	family with sequence similarity 134, member A	unknown	-1.24
ST7OT1	ST7 overlapping transcript 1 (non-protein coding)	unknown	-1.24
RIC8A	resistance to inhibitors of cholinesterase 8 homolog A (C. elegans)	unknown	-1.24
GATAD1	GATA zinc finger domain containing 1	unknown	-1.24
NUB1	negative regulator of ubiquitin-like proteins 1	nucleus	-1.24
KIAA1609	KIAA1609	unknown	-1.24
PDAP1	PDGFA associated protein 1	cytoplasm	-1.24
IGFBP3	insulin-like growth factor binding protein 3	extracellular space	-1.24
NBPF3	neuroblastoma breakpoint family, member 3	unknown	-1.24
BX444658	crystallin, alpha B	nucleus	-1.24
TANK	TRAF family member-associated NFKB activator	cytoplasm	-1.24
TNRC6B	trinucleotide repeat containing 6B	unknown	-1.24
PHF23	PHD finger protein 23	unknown	-1.24
EFHA2	EF-hand domain family, member A2	unknown	-1.24
DGCR6	DiGeorge syndrome critical region gene 6	extracellular space	-1.24
PLEKHA7	pleckstrin homology domain containing, family A member 7	unknown	-1.24
NSFL1C	NSFL1 (p97) cofactor (p47)	cytoplasm	-1.25
RPL10	ribosomal protein L10	cytoplasm	-1.25
CABLES1	Cdk5 and Abl enzyme substrate 1	nucleus	-1.25
GAPVD1	GTPase activating protein and VPS9 domains 1	unknown	-1.25
C2orf4	mediator of cell motility 1	unknown	-1.25
RPL36A	ribosomal protein L36a	cytoplasm	-1.25
ITSN1	intersectin 1 (SH3 domain protein)	cytoplasm	-1.25
CCDC94	coiled-coil domain containing 94	unknown	-1.25
BX537520	golgin B1	cytoplasm	-1.25
MCF2L	MCF.2 cell line derived transforming sequence-like	cytoplasm	-1.25
FLNA	filamin A, alpha	cytoplasm	-1.25
TTC4	tetratricopeptide repeat domain 4	unknown	-1.25
MID2	midline 2	cytoplasm	-1.25
SORBS1	sorbin and SH3 domain containing 1	plasma membrane	-1.25
FAM73B	family with sequence similarity 73, member B	unknown	-1.25
C4orf8	family with sequence similarity 193, member A	unknown	-1.25
MRPL19	mitochondrial ribosomal protein L19	cytoplasm	-1.25
SEMA3G	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G	unknown	-1.25

LRRC41	leucine rich repeat containing 41	unknown	-1.25
KIAA1109	KIAA1109	unknown	-1.25
CORO2B	coronin, actin binding protein, 2B	unknown	-1.25
TBC1C	tubulin folding cofactor C	cytoplasm	-1.26
MINA	MYC induced nuclear antigen	nucleus	-1.26
NPDC1	neural proliferation, differentiation and control, 1	extracellular space	-1.26
PRX	periaxin	nucleus	-1.26
ALKBH7	alkB, alkylation repair homolog 7 (E. coli)	unknown	-1.26
BCL2L1	BCL2-like 1	cytoplasm	-1.26
RPL35	ribosomal protein L35	cytoplasm	-1.26
SNIP1	Smad nuclear interacting protein 1	nucleus	-1.26
MYH10	myosin, heavy chain 10, non-muscle	cytoplasm	-1.26
KLHL7	kelch-like 7 (Drosophila)	nucleus	-1.26
LY6E	lymphocyte antigen 6 complex, locus E	plasma membrane	-1.26
CROCC	ciliary rootlet coiled-coil, rootletin	plasma membrane	-1.26
ZC3H10	zinc finger CCCH-type containing 10	unknown	-1.26
BBX	bobby sox homolog (Drosophila)	nucleus	-1.26
AAAS	achalasia, adrenocortical insufficiency, alacrimia (Allgrove, triple-A)	nucleus	-1.26
RAB3IL1	RAB3A interacting protein (rabin3)-like 1	unknown	-1.26
FAM100B	family with sequence similarity 100, member B	unknown	-1.26
C6orf189	family with sequence similarity 162, member B	unknown	-1.26
SNRPA	small nuclear ribonucleoprotein polypeptide A	nucleus	-1.26
NUMA1	nuclear mitotic apparatus protein 1	nucleus	-1.26
HIST1H2AG	histone cluster 1, H2ag	nucleus	-1.26
CDC37	cell division cycle 37 homolog (S. cerevisiae)	cytoplasm	-1.26
CALB2	calbindin 2	cytoplasm	-1.26
CENTD3	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	nucleus	-1.26
MESP1	mesoderm posterior 1 homolog (mouse)	unknown	-1.26
RPS7	ribosomal protein S7	cytoplasm	-1.27
PSMD8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	cytoplasm	-1.27
APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2	cytoplasm	-1.27
MAGED2	melanoma antigen family D, 2	plasma membrane	-1.27
FAM109A	family with sequence similarity 109, member A	unknown	-1.27
C21orf70	chromosome 21 open reading frame 70	unknown	-1.27
THUMPD1	THUMP domain containing 1	unknown	-1.27
CYB5D2	cytochrome b5 domain containing 2	unknown	-1.27
C21orf6	RWD domain containing 2B	unknown	-1.27
ZC3H14	zinc finger CCCH-type containing 14	nucleus	-1.27
RPL35A	ribosomal protein L35a	cytoplasm	-1.27
EMD	emerin	nucleus	-1.27
PPP1R9A	protein phosphatase 1, regulatory (inhibitor) subunit 9A	cytoplasm	-1.27
C17orf81	chromosome 17 open reading frame 81	unknown	-1.27
HIST2H2BE	histone cluster 2, H2be	nucleus	-1.27
HIST1H2AE	histone cluster 1, H2ae	nucleus	-1.27
KCTD9	potassium channel tetramerisation domain containing 9	unknown	-1.27
TUSC1	tumor suppressor candidate 1	unknown	-1.28
IFIT5	interferon-induced protein with tetratricopeptide repeats 5	unknown	-1.28
RPL9	ribosomal protein L9	cytoplasm	-1.28
AK098185	mitochondrial carrier triple repeat 1	cytoplasm	-1.28
HIST1H1C	histone cluster 1, H1c	nucleus	-1.28
RG9MTD3	RNA (guanine-9-) methyltransferase domain containing 3	unknown	-1.28
LOH3CR2A	loss of heterozygosity, 3, chromosomal region 2, gene A	unknown	-1.28
TSC1	tuberous sclerosis 1	cytoplasm	-1.28
CPSF1	cleavage and polyadenylation specific factor 1, 160kDa	nucleus	-1.28
CSPG4	chondroitin sulfate proteoglycan 4	plasma membrane	-1.28
PIWIL4	piwi-like 4 (Drosophila)	unknown	-1.28
C3orf21	chromosome 3 open reading frame 21	unknown	-1.28
RNF20	ring finger protein 20	nucleus	-1.28
HIST1H1D	histone cluster 1, H1d	nucleus	-1.28
CD320	CD320 molecule	plasma membrane	-1.28
PSCD2	cytogenesis 2	cytoplasm	-1.28
BCAS3	breast carcinoma amplified sequence 3	nucleus	-1.28
TUSC5	tumor suppressor candidate 5	unknown	-1.28
C9orf82	chromosome 9 open reading frame 82	unknown	-1.28
C20orf160	chromosome 20 open reading frame 160	unknown	-1.28
C1orf43	chromosome 1 open reading frame 43	unknown	-1.28
USHBP1	Usher syndrome 1C binding protein 1	unknown	-1.28
TNRC6C	trinucleotide repeat containing 6C	unknown	-1.28
C14orf173	inverted formin, FH2 and WH2 domain containing	unknown	-1.28
SPRY3	sprouty homolog 3 (Drosophila)	plasma membrane	-1.29
C1orf53	chromosome 1 open reading frame 53	unknown	-1.29

PSMD11	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	cytoplasm	-1.29
FUNDCC2	FUN14 domain containing 2	unknown	-1.29
CCDC50	coiled-coil domain containing 50	unknown	-1.29
KIF1C	kinesin family member 1C	cytoplasm	-1.29
SDHALP1	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1	unknown	-1.29
LAMA5	laminin, alpha 5	extracellular space	-1.29
DOCK6	dicator of cytokinesis 6	unknown	-1.29
IFIT3	interferon-induced protein with tetratricopeptide repeats 3	cytoplasm	-1.29
RBL2	retinoblastoma-like 2 (p130)	nucleus	-1.29
DYNC1LI2	dynein, cytoplasmic 1, light intermediate chain 2	cytoplasm	-1.29
SURF5	mediator complex subunit 22	cytoplasm	-1.30
BAK1	BCL2-antagonist/killer 1	cytoplasm	-1.30
STON1	stonin 1	plasma membrane	-1.30
C6orf89	chromosome 6 open reading frame 89	unknown	-1.30
C11orf68	chromosome 11 open reading frame 68	unknown	-1.30
AL566187	hypothetical protein LOC100287146	unknown	-1.30
C19orf58	DET1 and DDB1 associated 1	unknown	-1.30
GAS8	growth arrest-specific 8	cytoplasm	-1.30
BOK	BCL2-related ovarian killer	unknown	-1.30
BCL2L13	BCL2-like 13 (apoptosis facilitator)	cytoplasm	-1.30
GSDML	gasdermin B	unknown	-1.30
ZFYVE21	zinc finger, FYVE domain containing 21	unknown	-1.30
C1orf115	chromosome 1 open reading frame 115	unknown	-1.30
RGS14	regulator of G-protein signaling 14	cytoplasm	-1.30
TRAF3IP2	TRAF3 interacting protein 2	unknown	-1.30
PDZD7	PDZ domain containing 7	unknown	-1.30
TBKBP1	TBK1 binding protein 1	unknown	-1.31
SYNPO	synaptopodin	cytoplasm	-1.31
ANXA2	annexin A2	plasma membrane	-1.31
KLHDC1	kelch domain containing 1	unknown	-1.31
SNRPB	small nuclear ribonucleoprotein polypeptides B and B1	nucleus	-1.31
ARHGEF16	Rho guanine nucleotide exchange factor (GEF) 16	cytoplasm	-1.31
ZFP106	zinc finger protein 106 homolog (mouse)	cytoplasm	-1.31
CEP76	centrosomal protein 76kDa	cytoplasm	-1.31
MXRA8	matrix-remodelling associated 8	unknown	-1.31
CCDC91	coiled-coil domain containing 91	unknown	-1.31
PSMD3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	cytoplasm	-1.31
CLEC3B	C-type lectin domain family 3, member B	extracellular space	-1.31
TNKS1BP1	tankyrase 1 binding protein 1, 182kDa	nucleus	-1.31
LMAN2L	lectin, mannose-binding 2-like	cytoplasm	-1.31
C20orf27	chromosome 20 open reading frame 27	unknown	-1.31
AA479896	hypothetical protein LOC149832	unknown	-1.31
Gcom1	GRINL1A complex locus	unknown	-1.31
RPL3	ribosomal protein L3	cytoplasm	-1.32
GPS1	G protein pathway suppressor 1	nucleus	-1.32
BATF2	basic leucine zipper transcription factor, ATF-like 2	unknown	-1.32
SBDS	Shwachman-Bodian-Diamond syndrome	nucleus	-1.32
C1orf213	chromosome 1 open reading frame 213	unknown	-1.32
HES4	hairy and enhancer of split 4 (Drosophila)	unknown	-1.32
PARVB	parvin, beta	cytoplasm	-1.32
ZSWIM3	zinc finger, SWIM-type containing 3	unknown	-1.32
TMBIM1	transmembrane BAX inhibitor motif containing 1	unknown	-1.32
FIS1	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	cytoplasm	-1.32
GPSN2	trans-2,3-enoyl-CoA reductase	plasma membrane	-1.32
C1QTNF9	C1q and tumor necrosis factor related protein 9	unknown	-1.32
SOCS2	suppressor of cytokine signaling 2	cytoplasm	-1.32
NUDT16L1	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	cytoplasm	-1.33
KNS2	kinesin light chain 1	cytoplasm	-1.33
KIF21B	kinesin family member 21B	cytoplasm	-1.33
HOOK2	hook homolog 2 (Drosophila)	cytoplasm	-1.33
TEX261	testis expressed 261	extracellular space	-1.33
TBC1D19	TBC1 domain family, member 19	unknown	-1.33
BTBD6	BTB (POZ) domain containing 6	unknown	-1.33
AF339771	hypothetical LOC100129122	unknown	-1.33
TRIM41	tripartite motif-containing 41	cytoplasm	-1.33
SESN2	sestrin 2	cytoplasm	-1.33
THUMPD3	THUMP domain containing 3	unknown	-1.33
FAM80B	ribosomal modification protein rimK-like family member B	unknown	-1.33
NUDC	nuclear distribution gene C homolog (A. nidulans)	cytoplasm	-1.34
AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	cytoplasm	-1.34
C7orf20	golgi to ER traffic protein 4 homolog (S. cerevisiae)	unknown	-1.34

FGD6	FYVE, RhoGEF and PH domain containing 6	cytoplasm	-1.34
RPL21	ribosomal protein L21	cytoplasm	-1.34
PDCD6IP	programmed cell death 6 interacting protein	cytoplasm	-1.34
ZMAT2	zinc finger, matrin type 2	nucleus	-1.34
MAP1LC3A	microtubule-associated protein 1 light chain 3 alpha	cytoplasm	-1.34
PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	cytoplasm	-1.34
SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	plasma membrane	-1.34
ZNF181	zinc finger protein 181	unknown	-1.34
IGFBP5	insulin-like growth factor binding protein 5	extracellular space	-1.34
RPUSD4	RNA pseudouridylate synthase domain containing 4	unknown	-1.34
CWF19L2	CWF19-like 2, cell cycle control (S. pombe)	unknown	-1.34
TBL1Y	transducin (beta)-like 1, Y-linked	nucleus	-1.34
HIST1H2BH	histone cluster 1, H2bh	nucleus	-1.35
TMEM140	transmembrane protein 140	unknown	-1.35
STRN3	striatin, calmodulin binding protein 3	nucleus	-1.35
C1QTNF1	C1q and tumor necrosis factor related protein 1	extracellular space	-1.35
ARL6IP4	ADP-ribosylation-like factor 6 interacting protein 4	nucleus	-1.35
GRPEL1	GrpE-like 1, mitochondrial (E. coli)	cytoplasm	-1.35
REPIN1	replication initiator 1	unknown	-1.35
TMEM85	transmembrane protein 85	unknown	-1.35
AY358248	hypothetical LOC100131541	unknown	-1.35
ACTN4	actinin, alpha 4	cytoplasm	-1.35
AVIL	advillin	cytoplasm	-1.35
RBPM2	RNA binding protein with multiple splicing 2	unknown	-1.35
ITM2C	integral membrane protein 2C	cytoplasm	-1.35
NET1	neuroepithelial cell transforming 1	nucleus	-1.35
HIP1R	huntingtin interacting protein 1 related	cytoplasm	-1.36
TUFT1	tuftelin 1	extracellular space	-1.36
ORMDL3	ORM1-like 3 (S. cerevisiae)	cytoplasm	-1.36
MAP4	microtubule-associated protein 4	cytoplasm	-1.36
FAM18B2	family with sequence similarity 18, member B2	unknown	-1.36
ZDHHC12	zinc finger, DHHC-type containing 12	unknown	-1.36
FAM62A	extended synaptotagmin-like protein 1	unknown	-1.36
PLVAP	plasmalemma vesicle associated protein	plasma membrane	-1.36
BG191465	integrin, beta 6	plasma membrane	-1.36
RPL32	ribosomal protein L32	cytoplasm	-1.36
ZBTB47	zinc finger and BTB domain containing 47	unknown	-1.36
WDR89	WD repeat domain 89	unknown	-1.36
PLEKHG5	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	cytoplasm	-1.36
MCAM	melanoma cell adhesion molecule	plasma membrane	-1.36
NT5C3L	5'-nucleotidase, cytosolic III-like	unknown	-1.37
IER3IP1	immediate early response 3 interacting protein 1	unknown	-1.37
CD151	CD151 molecule (Raph blood group)	plasma membrane	-1.37
APBB1	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	cytoplasm	-1.37
ZC3H11A	zinc finger CCCH-type containing 11A	unknown	-1.37
CLDN5	claudin 5	plasma membrane	-1.38
BBC3	BCL2 binding component 3	cytoplasm	-1.38
SYNE2	spectrin repeat containing, nuclear envelope 2	nucleus	-1.38
BRI3BP	BRI3 binding protein	unknown	-1.38
SNED1	sushi, nidogen and EGF-like domains 1	plasma membrane	-1.39
FAM91A1	family with sequence similarity 91, member A1	unknown	-1.39
SETD3	SET domain containing 3	unknown	-1.39
RPRC1	MAP7 domain containing 1	unknown	-1.39
SRP14	signal recognition particle 14kDa (homologous Alu RNA binding protein)	cytoplasm	-1.39
LARP2	La ribonucleoprotein domain family, member 1B	unknown	-1.39
GRRP1	glycine/arginine rich protein 1	unknown	-1.39
VGLL3	vestigial like 3 (Drosophila)	unknown	-1.39
ARHGAP19	Rho GTPase activating protein 19	unknown	-1.39
PCDH12	protocadherin 12	plasma membrane	-1.40
SLC35E4	solute carrier family 35, member E4	unknown	-1.40
RAMP3	receptor (G protein-coupled) activity modifying protein 3	plasma membrane	-1.40
PQLC1	PQ loop repeat containing 1	unknown	-1.40
KIAA0284	KIAA0284	unknown	-1.40
PXDN	peroxidasin homolog (Drosophila)	unknown	-1.40
CCND1	cyclin D1	nucleus	-1.40
TNS1	tensin 1	plasma membrane	-1.40
RTTN	rotatin	unknown	-1.40
ABLIM3	actin binding LIM protein family, member 3	cytoplasm	-1.41
GIPC1	GIPC PDZ domain containing family, member 1	cytoplasm	-1.41

KPTN	kaptin (actin binding protein)	cytoplasm	-1.41
KIAA0460	regulation of nuclear pre-mRNA domain containing 2	unknown	-1.41
AK096674	mitogen-activated protein kinase 1 interacting protein 1-like	nucleus	-1.41
FAM43A	family with sequence similarity 43, member A	unknown	-1.41
TLN2	talin 2	nucleus	-1.41
SPIN3	spindlin family, member 3	unknown	-1.41
MOSC1	MOCO sulphurase C-terminal domain containing 1	unknown	-1.42
TUBGCP3	tubulin, gamma complex associated protein 3	cytoplasm	-1.42
CHCHD2	coiled-coil-helix-coiled-coil-helix domain containing 2	cytoplasm	-1.42
BC010535	postmeiotic segregation increased 2-like 2 pseudogene	unknown	-1.42
ZNF366	zinc finger protein 366	nucleus	-1.42
ODZ3	odz, odd Oz/ten-m homolog 3 (Drosophila)	plasma membrane	-1.42
RCCD1	RCC1 domain containing 1	unknown	-1.43
MBNL2	muscleblind-like 2 (Drosophila)	unknown	-1.43
CASKIN2	CASK interacting protein 2	cytoplasm	-1.43
GSN	gelsolin	extracellular space	-1.43
SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	extracellular space	-1.43
VPS8	vacuolar protein sorting 8 homolog (S. cerevisiae)	unknown	-1.44
RPLP1	ribosomal protein, large, P1	cytoplasm	-1.44
VHL	von Hippel-Lindau tumor suppressor	nucleus	-1.44
FAM124B	family with sequence similarity 124B	unknown	-1.44
BQ233242	regulator of chromosome condensation 2	nucleus	-1.44
CA313037	erythrocyte membrane protein band 4,1-like 1	plasma membrane	-1.44
C17orf32	transmembrane protein 199	unknown	-1.45
GRIPAP1	GRIP1 associated protein 1	plasma membrane	-1.45
TPT1	tumor protein, translationally-controlled 1	cytoplasm	-1.45
RPL11	ribosomal protein L11	cytoplasm	-1.45
IFI35	interferon-induced protein 35	nucleus	-1.46
UNC84A	Sad1 and UNC84 domain containing 1	nucleus	-1.46
RNF41	ring finger protein 41	cytoplasm	-1.46
FAM98A	family with sequence similarity 98, member A	unknown	-1.46
POMZP3	POM (POM121 homolog, rat) and ZP3 fusion	nucleus	-1.46
DACT1	dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis)	cytoplasm	-1.46
TOE1	target of EGR1, member 1 (nuclear)	nucleus	-1.47
GABARAPL1	GABA(A) receptor-associated protein like 1	cytoplasm	-1.47
PHLDA3	pleckstrin homology-like domain, family A, member 3	unknown	-1.47
RPS14	ribosomal protein S14	cytoplasm	-1.48
GRB10	growth factor receptor-bound protein 10	cytoplasm	-1.48
ITGA7	integrin, alpha 7	plasma membrane	-1.48
TMEM38B	transmembrane protein 38B	nucleus	-1.48
FAM126B	family with sequence similarity 126, member B	unknown	-1.48
TMSL3	thymosin-like 3	unknown	-1.49
RPL23A	ribosomal protein L23a	cytoplasm	-1.50
RPS2	ribosomal protein S2	cytoplasm	-1.50
C14orf149	chromosome 14 open reading frame 149	unknown	-1.50
GRB14	growth factor receptor-bound protein 14	plasma membrane	-1.51
JUB	jub, ajuba homolog (Xenopus laevis)	plasma membrane	-1.52
DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	plasma membrane	-1.52
DVL2	dishevelled, dsh homolog 2 (Drosophila)	cytoplasm	-1.52
PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	plasma membrane	-1.52
SELENBP1	selenium binding protein 1	cytoplasm	-1.52
ANXA6	annexin A6	plasma membrane	-1.52
CENPO	centromere protein O	unknown	-1.52
RPL14	ribosomal protein L14	cytoplasm	-1.53
RPL7A	ribosomal protein L7a	cytoplasm	-1.53
CRYAB	crystallin, alpha B	nucleus	-1.54
RGS3	regulator of G-protein signaling 3	nucleus	-1.55
FAM122C	family with sequence similarity 122C	unknown	-1.55
RPL37A	ribosomal protein L37a	cytoplasm	-1.55
ALS2CL	ALS2 C-terminal like	unknown	-1.55
DVL1	dishevelled, dsh homolog 1 (Drosophila)	cytoplasm	-1.56
C22orf29	chromosome 22 open reading frame 29	unknown	-1.56
RPL27A	ribosomal protein L27a	nucleus	-1.56
PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8	unknown	-1.56
C19orf50	chromosome 19 open reading frame 50	unknown	-1.56
NOL8	nucleolar protein 8	nucleus	-1.56
SYDE1	synapse defective 1, Rho GTPase, homolog 1 (C. elegans)	unknown	-1.57
EPB41L5	erythrocyte membrane protein band 4,1 like 5	unknown	-1.57
C3orf39	chromosome 3 open reading frame 39	unknown	-1.58
ECHDC2	enoyl CoA hydratase domain containing 2	unknown	-1.58

CCDC43	coiled-coil domain containing 43	unknown	-1.58
MYOC	myocilin, trabecular meshwork inducible glucocorticoid response	cytoplasm	-1.58
TUBE1	tubulin, epsilon 1	cytoplasm	-1.58
ZNF283	zinc finger protein 283	nucleus	-1.59
DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)	cytoplasm	-1.59
ALS2	amyotrophic lateral sclerosis 2 (juvenile)	cytoplasm	-1.59
ZNF74	zinc finger protein 74	nucleus	-1.60
KIN	KIN, antigenic determinant of recA protein homolog (mouse)	nucleus	-1.61
FLYWCH1	FLYWCH-type zinc finger 1	unknown	-1.62
TXNIP	thioredoxin interacting protein	cytoplasm	-1.62
ACTB	actin, beta	cytoplasm	-1.63
AKT1S1	AKT1 substrate 1 (proline-rich)	unknown	-1.64
THRSP	thyroid hormone responsive (SPOT14 homolog, rat)	nucleus	-1.64
SPTB	spectrin, beta, erythrocytic	plasma membrane	-1.65
C10orf10	chromosome 10 open reading frame 10	cytoplasm	-1.65
METT5D1	methyltransferase 5 domain containing 1	unknown	-1.65
DENNDA1A	DENN/MADD domain containing 1A	unknown	-1.66
LGALS1	lectin, galactoside-binding, soluble, 1	extracellular space	-1.66
NDRG2	NDRG family member 2	cytoplasm	-1.66
ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	cytoplasm	-1.67
VIM	vimentin	cytoplasm	-1.67
TSR2	TSR2, 20S rRNA accumulation, homolog (S. cerevisiae)	unknown	-1.69
FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucoolin)	extracellular space	-1.69
CLN3	ceroid-lipofuscinosis, neuronal 3	cytoplasm	-1.70
RPL38	ribosomal protein L38	cytoplasm	-1.70
PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)	nucleus	-1.70
DYNLT3	dynein, light chain, Tctex-type 3	cytoplasm	-1.72
PRNP	prion protein	plasma membrane	-1.72
C14orf151	inverted formin, FH2 and WH2 domain containing	unknown	-1.73
LTBP2	latent transforming growth factor beta binding protein 2	extracellular space	-1.73
RPS11	ribosomal protein S11	cytoplasm	-1.74
RPS17	ribosomal protein S17	cytoplasm	-1.75
ALG11	asparagine-linked glycosylation 11, alpha-1,2-mannosyltransferase homolog (yeast)	unknown	-1.76
OXR1	oxidation resistance 1	cytoplasm	-1.78
BC113872	hypothetical LOC80054	unknown	-1.79
SH2D4A	SH2 domain containing 4A	unknown	-1.81
MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle	cytoplasm	-1.81
C20orf43	chromosome 20 open reading frame 43	unknown	-1.82
PTDSR	jumonji domain containing 6	plasma membrane	-1.84
RPS27	ribosomal protein S27	cytoplasm	-1.85
RPL23	ribosomal protein L23	cytoplasm	-1.88
RPS8	ribosomal protein S8	cytoplasm	-1.91
SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1	extracellular space	-1.93
KLHL22	kelch-like 22 (Drosophila)	unknown	-1.93
RPL13	ribosomal protein L13	cytoplasm	-1.93
BI333945	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	unknown	-1.93
MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)	unknown	-1.94
ARHGAP29	Rho GTPase activating protein 29	cytoplasm	-1.96
RPL41	ribosomal protein L41	cytoplasm	-2.02
FGD5	FYVE, RhoGEF and PH domain containing 5	cytoplasm	-2.03
CD63	CD63 molecule	plasma membrane	-2.05
ZNF409	zinc finger homeobox 2	nucleus	-2.05
KIAA0831	KIAA0831	unknown	-2.08
CXorf36	chromosome X open reading frame 36	unknown	-2.12
IQCE	IQ motif containing E	unknown	-2.15
C10orf116	chromosome 10 open reading frame 116	unknown	-2.19
RPLP2	ribosomal protein, large, P2	cytoplasm	-2.24
G0S2	G0/G1 switch 2	unknown	-2.30
THRAP2	mediator complex subunit 13-like	nucleus	-2.35
RPS20	ribosomal protein S20	cytoplasm	-2.42
RAMP2	receptor (G protein-coupled) activity modifying protein 2	plasma membrane	-2.43
RPS28	ribosomal protein S28	cytoplasm	-2.60
HRASLS3	phospholipase A2, group XVI	nucleus	-2.85
C19orf55	chromosome 19 open reading frame 55	unknown	-2.85