

Table S1. 1,315 differentially expressed genes mapped as unique molecules represented in the Ingenuity Knowledge Base

Symbol	Entrez gene name	Gene symbol	Expression fold change	Location	Type(s)
DCTN6	dynactin subunit 6	<i>DCTN6</i>	3.0	Cytoplasm	enzyme
NHEJ1	non-homologous end joining factor 1	<i>Nhej1</i>	2.9	Nucleus	other
PGAM2	phosphoglycerate mutase 2	<i>PGAM2</i>	2.9	Cytoplasm	phosphatase
LIN9	lin-9 DREAM MuvB core complex component	<i>LIN9</i>	2.8	Nucleus	other
COL24A1	collagen type XXIV alpha 1 chain	<i>COL24A1</i>	2.7	Extracellular Space	other
ARL3	ADP ribosylation factor like GTPase 3	<i>Arl3</i>	2.7	Cytoplasm	enzyme
NR1D1	nuclear receptor subfamily 1 group D member 1	<i>Nr1d1</i>	2.6	Nucleus	ligand-dependent nuclear receptor
PROCA1	protein interacting with cyclin A1	<i>PROCA1</i>	2.6	Cytoplasm	other
UTP3	UTP3 small subunit processome component	<i>UTP3</i>	2.6	Nucleus	other
BTG3	BTG anti-proliferation factor 3	<i>BTG3</i>	2.5	Nucleus	other
ATR	ATR serine/threonine kinase	<i>ATR</i>	2.5	Nucleus	kinase
TSHZ2	teashirt zinc finger homeobox 2	<i>TSHZ2</i>	2.5	Nucleus	transcription regulator
PIGB	phosphatidylinositol glycan anchor biosynthesis class B	<i>PIGB</i>	2.4	Cytoplasm	enzyme
MYL9	myosin light chain 9	<i>MYL9</i>	2.4	Cytoplasm	other
ATP6V1H	ATPase H ⁺ transporting V1 subunit H	<i>ATP6V1H</i>	2.4	Cytoplasm	transporter
NOCT	Nocturnin	<i>CCRN4L</i>	2.4	Nucleus	transcription regulator
PACSN1	protein kinase C and casein kinase substrate in neurons 1	<i>Pacsn1</i>	2.4	Cytoplasm	kinase
MXD3	MAX dimerisation protein 3	<i>Mxd3</i>	2.3	Nucleus	transcription regulator
FZD9	frizzled class receptor 9	<i>FZD9</i>	2.3	Plasma membrane	G-protein coupled receptor
KANSL1	KAT8 regulatory NSL complex subunit 1	<i>KIAA1267</i>	2.3	Nucleus	other
B3GALT2	beta-1,3-galactosyltransferase 2	<i>B3galt2</i>	2.3	Cytoplasm	enzyme
STMN2	stathmin 2	<i>STMN2</i>	2.3	Plasma membrane	other
LMF1	lipase maturation factor 1	<i>LMF1</i>	2.2	Cytoplasm	other
Sf1	splicing factor 1	<i>Sf1</i>	2.2	Nucleus	other
EEF1D	eukaryotic translation elongation factor 1 delta	<i>EEF1D</i>	2.2	Cytoplasm	translation regulator
SEPTIN10	septin 10	<i>SEPT10</i>	2.2	Cytoplasm	transcription regulator
B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	<i>B3GNT4</i>	2.2	Plasma membrane	enzyme
ASNSD1	asparagine synthetase domain containing 1	<i>Asnsd1</i>	2.2	Other	enzyme
JMJD1C	jumonji domain containing 1C	<i>JMJD1C</i>	2.2	Nucleus	enzyme
NUFIP2	nuclear FMR1 interacting protein 2	<i>NUFIP2</i>	2.2	Cytoplasm	other
CLMN	calmin	<i>CLMN</i>	2.1	Cytoplasm	other
DZIP1	DAZ interacting zinc finger protein 1	<i>DZIP1</i>	2.1	Cytoplasm	other
ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	<i>ADH4</i>	2.1	Cytoplasm	enzyme
SLC1A3	solute carrier family 1 member 3	<i>SLC1A3</i>	2.1	Plasma membrane	transporter
MED29	mediator complex subunit 29	<i>MED29</i>	2.1	Nucleus	other
CELF2	CUGBP Elav-like family member 2	<i>CELF2</i>	2.1	Nucleus	other
Tmsb4x (includes others)	thymosin, beta 4, X chromosome	<i>Tmsb15a</i>	2.1	Cytoplasm	other
TROAP	trophinin associated protein	<i>TROAP</i>	2.1	Cytoplasm	peptidase
ERII	exoribonuclease 1	<i>Eri1</i>	2.1	Nucleus	enzyme
CYTH3	cytohesin 3	<i>Cyth3</i>	2.1	Cytoplasm	other
PLAC8	placenta associated 8	<i>PLAC8</i>	2.1	Nucleus	other

RNF220	ring finger protein 220	<i>Rnf220</i>	2.0	Cytoplasm	enzyme
BANK1	B cell scaffold protein with ankyrin repeats 1	<i>BANK1</i>	2.0	Extracellular Space	other
NAXD	NAD(P)HX dehydratase	<i>CARKD</i>	2.0	Cytoplasm	enzyme
CCR9	C-C motif chemokine receptor 9	<i>CCR9</i>	2.0	Plasma membrane	G-protein coupled receptor
CENPQ	centromere protein Q	<i>Cenpq</i>	2.0	Nucleus	other
ASXL1	ASXL transcriptional regulator 1	<i>Asxl1</i>	2.0	Nucleus	transcription regulator
ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7	<i>ENTPD7</i>	2.0	Cytoplasm	enzyme
NECAB2	N-terminal EF-hand calcium binding protein 2	<i>Necab2</i>	2.0	Cytoplasm	other
MAGEH1	MAGE family member H1	<i>MAGEH1</i>	2.0	Cytoplasm	other
ACADVL	acyl-CoA dehydrogenase very long chain	<i>ACADVL</i>	2.0	Cytoplasm	enzyme
KIAA0753	KIAA0753	<i>KIAA0753</i>	2.0	Cytoplasm	other
PDS5A	PDS5 cohesin associated factor A	<i>PDS5A</i>	2.0	Nucleus	other
MEGF8	multiple EGF like domains 8	<i>Megf8</i>	2.0	Extracellular Space	other
PPP2CA	protein phosphatase 2 catalytic subunit alpha	<i>PPP2CA</i>	2.0	Cytoplasm	phosphatase
ARFRP1	ADP ribosylation factor related protein 1	<i>ARFRP1</i>	2.0	Cytoplasm	enzyme
EDEM1	ER degradation enhancing alpha-mannosidase like protein 1	<i>EDEM1</i>	1.9	Cytoplasm	enzyme
CARD9	caspase recruitment domain family member 9	<i>CARD9</i>	1.9	Cytoplasm	other
ATF2	activating transcription factor 2	<i>Atf2</i>	1.9	Nucleus	transcription regulator
MAPK4	mitogen-activated protein kinase 4	<i>MAPK4</i>	1.9	Cytoplasm	kinase
UPB1	beta-ureidopropionase 1	<i>UPB1</i>	1.9	Cytoplasm	enzyme
WAS	WASP actin nucleation promoting factor	<i>WAS</i>	1.9	Cytoplasm	other
PGD	phosphogluconate dehydrogenase	<i>PGD</i>	1.9	Cytoplasm	enzyme
PUS7L	pseudouridine synthase 7 like	<i>PUS7L</i>	1.9	Other	other
PDE3B	phosphodiesterase 3B	<i>PDE3B</i>	1.9	Cytoplasm	enzyme
SLIRP	SRA stem-loop interacting RNA binding protein	<i>C14orf156</i>	1.9	Cytoplasm	other
TOB1	transducer of ERBB2, 1	<i>Tob1</i>	1.9	Nucleus	transcription regulator
KLHL22	kelch like family member 22	<i>Klhl22</i>	1.9	Cytoplasm	other
TBC1D7	TBC1 domain family member 7	<i>TBC1D7</i>	1.9	Cytoplasm	other
CNOT10	CCR4-NOT transcription complex subunit 10	<i>Cnot10</i>	1.9	Cytoplasm	other
CCDC59	coiled-coil domain containing 59	<i>CCDC59</i>	1.9	Nucleus	other
IGSF8	immunoglobulin superfamily member 8	<i>IGSF8</i>	1.9	Plasma membrane	other
PCYOX1	prenylcysteine oxidase 1	<i>PCYOX1</i>	1.9	Cytoplasm	enzyme
RAE1	ribonucleic acid export 1	<i>RAE1</i>	1.9	Nucleus	other
SH3KBP1	SH3 domain containing kinase binding protein 1	<i>Sh3kbp1</i>	1.9	Cytoplasm	other
BOC	BOC cell adhesion associated, oncogene regulated	<i>BOC</i>	1.9	Plasma membrane	other
PCID2	PCI domain containing 2	<i>PCID2</i>	1.9	Nucleus	transcription regulator
RBL2	RB transcriptional corepressor like 2	<i>RBL2</i>	1.9	Nucleus	other
ADGRL1	adhesion G protein-coupled receptor L1	<i>LPHN1</i>	1.9	Plasma membrane	G-protein coupled receptor
TYROBP	transmembrane immune signaling adaptor TYROBP	<i>TYROBP</i>	1.9	Plasma membrane	transmembrane receptor
ZSWIM8	zinc finger SWIM-type containing 8	<i>KIAA0913</i>	1.9	Extracellular Space	other
SLC39A4	solute carrier family 39 member 4	<i>SLC39A4</i>	1.9	Plasma membrane	transporter
ACTR6	actin related protein 6	<i>ACTR6</i>	1.8	Nucleus	transporter

GRIA3	glutamate ionotropic receptor AMPA type subunit 3	<i>Gria3</i>	1.8	Plasma membrane	ion channel
ZBTB9	zinc finger and BTB domain containing 9	<i>Zbtb9</i>	1.8	Nucleus	other
ITSN2	intersectin 2	<i>Itsn2</i>	1.8	Cytoplasm	other
MACF1	microtubule actin crosslinking factor 1	<i>MACF1</i>	1.8	Cytoplasm	other
MALT1	MALT1 paracaspase	<i>MALT1</i>	1.8	Cytoplasm	peptidase
UNC45A	unc-45 myosin chaperone A	<i>UNC45A</i>	1.8	Plasma membrane	other
DNAJB12	DnaJ heat shock protein family (Hsp40) member B12	<i>DNAJB12</i>	1.8	Cytoplasm	other
EBP	EBP cholesterol delta-isomerase	<i>EBP</i>	1.8	Cytoplasm	enzyme
TFPI	tissue factor pathway inhibitor	<i>TFPI</i>	1.8	Extracellular Space	other
PKN1	protein kinase N1	<i>PKN1</i>	1.8	Cytoplasm	kinase
WDR33	WD repeat domain 33	<i>WDR33</i>	1.8	Nucleus	other
KBTBD4	kelch repeat and BTB domain containing 4	<i>KBTBD4</i>	1.8	Other	other
SLC5A11	solute carrier family 5 member 11	<i>SLC5A11</i>	1.8	Plasma membrane	transporter
USP14	ubiquitin specific peptidase 14	<i>USP14</i>	1.8	Cytoplasm	peptidase
AMMECR1L	AMMECR1 like	<i>AMMECR1L</i>	1.8	Other	other
KHK	ketohehexokinase	<i>Khk</i>	1.8	Cytoplasm	kinase
ATP10A	ATPase phospholipid transporting 10A (putative)	<i>ATP10A</i>	1.8	Plasma membrane	transporter
CCDC138	coiled-coil domain containing 138	<i>CCDC138</i>	1.8	Other	other
MYO18A	myosin XVIII A	<i>Myo18a</i>	1.8	Cytoplasm	other
CRTC2	CREB regulated transcription coactivator 2	<i>CRTC2</i>	1.8	Nucleus	other
AFP	alpha fetoprotein	<i>AFP</i>	1.8	Extracellular Space	transporter
ZNF768	zinc finger protein 768	<i>ZNF768</i>	1.8	Other	other
EIF2B2	eukaryotic translation initiation factor 2B subunit beta	<i>EIF2B2</i>	1.8	Cytoplasm	translation regulator
CORO7/CORO7-PAM16	coronin 7	<i>CORO7</i>	1.8	Cytoplasm	other
MINAR1	membrane integral NOTCH2 associated receptor 1	<i>KIAA1024</i>	1.8	Plasma membrane	other
DACT1	dishevelled binding antagonist of beta catenin 1	<i>DACT1</i>	1.8	Cytoplasm	other
FBXL7	F-box and leucine rich repeat protein 7	<i>FBXL7</i>	1.8	Cytoplasm	enzyme
CSN2	casein beta	<i>CSN2</i>	1.8	Extracellular Space	kinase
MRPL45	mitochondrial ribosomal protein L45	<i>MRPL45</i>	1.8	Cytoplasm	other
PPP1R12C	protein phosphatase 1 regulatory subunit 12C	<i>PPP1R12C</i>	1.8	Cytoplasm	phosphatase
ZFP62	ZFP62 zinc finger protein	<i>ZFP62</i>	1.8	Nucleus	transcription regulator
PARPBP	PARP1 binding protein	<i>C12orf48</i>	1.8	Nucleus	other
HSD17B1	hydroxysteroid 17-beta dehydrogenase 1	<i>Hsd17b1</i>	1.8	Cytoplasm	enzyme
EML2	EMAP like 2	<i>Em12</i>	1.8	Cytoplasm	other
EXOC8	exocyst complex component 8	<i>Exoc8</i>	1.8	Plasma membrane	other
SYNE1	spectrin repeat containing nuclear envelope protein 1	<i>SYNE1</i>	1.8	Nucleus	other
ME1	malic enzyme 1	<i>ME1</i>	1.8	Cytoplasm	enzyme
RGS22	regulator of G protein signaling 22	<i>RGS22</i>	1.7	Cytoplasm	other
ZSCAN21	zinc finger and SCAN domain containing 21	<i>ZSCAN21</i>	1.7	Nucleus	transcription regulator
NAXE	NAD(P)HX epimerase	<i>APOA1BP</i>	1.7	Extracellular Space	enzyme
USP34	ubiquitin specific peptidase 34	<i>USP34</i>	1.7	Extracellular Space	peptidase
TCEAL4	transcription elongation factor A like 4	<i>TCEAL4</i>	1.7	Other	other

LSM5	LSM5 homologue, U6 small nuclear RNA and mRNA degradation associated	<i>LSM5</i>	1.7	Cytoplasm	other
GOLM2	golgi membrane protein 2	<i>CASC4</i>	1.7	Cytoplasm	other
COL9A2	collagen type IX alpha 2 chain	<i>COL9A2</i>	1.7	Extracellular Space	other
HDLBP	high density lipoprotein binding protein	<i>HDLBP</i>	1.7	Nucleus	transporter
ZNF503	zinc finger protein 503	<i>ZNF503</i>	1.7	Nucleus	other
CTRC	chymotrypsin C	<i>CTRC</i>	1.7	Extracellular Space	peptidase
BCKDHA	branched chain keto acid dehydrogenase E1 subunit alpha	<i>BCKDHA</i>	1.7	Cytoplasm	enzyme
TMEM177	transmembrane protein 177	<i>Tmem177</i>	1.7	Cytoplasm	other
CIART	circadian associated repressor of transcription	<i>Clorf51</i>	1.7	Nucleus	other
AK2	adenylate kinase 2	<i>Ak2</i>	1.7	Cytoplasm	kinase
CNTN6	contactin 6	<i>CNTN6</i>	1.7	Plasma membrane	enzyme
FABP4	fatty acid binding protein 4	<i>FABP4</i>	1.7	Cytoplasm	transporter
AMMECR1	AMMECR nuclear protein 1	<i>AMMECR1</i>	1.7	Nucleus	other
ZNF821	zinc finger protein 821	<i>ZNF821</i>	1.7	Other	other
AVEN	apoptosis and caspase activation inhibitor	<i>AVEN</i>	1.7	Nucleus	other
LLPH	LLP homologue, long-term synaptic facilitation factor	<i>Lph</i>	1.7	Extracellular Space	other
PXN	paxillin	<i>PXN</i>	1.7	Cytoplasm	other
ATRNL1	attractin like 1	<i>ATRNL1</i>	1.7	Other	other
ZNF281	zinc finger protein 281	<i>ZNF281</i>	1.7	Nucleus	transcription regulator
LTB	lymphotoxin beta	<i>LTB</i>	1.7	Extracellular Space	cytokine
NTM	neurotrimin	<i>Ntm</i>	1.7	Plasma membrane	other
CALM1 (includes others)	calmodulin 1	<i>CALM1</i>	1.7	Cytoplasm	other
XRN2	5'-3' exoribonuclease 2	<i>XRN2</i>	1.7	Nucleus	enzyme
Reg3a	regenerating islet-derived 3 alpha	<i>Reg3a</i>	1.7	Extracellular Space	other
B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	<i>B3gnt9</i>	1.7	Cytoplasm	enzyme
DDR1	discoidin domain receptor tyrosine kinase 1	<i>DDR1</i>	1.7	Plasma membrane	kinase
TRPV2	transient receptor potential cation channel subfamily V member 2	<i>TRPV2</i>	1.7	Plasma membrane	ion channel
MEOX2	mesenchyme homeobox 2	<i>MEOX2</i>	1.7	Nucleus	transcription regulator
USP21	ubiquitin specific peptidase 21	<i>USP21</i>	1.7	Cytoplasm	peptidase
WIPF2	WAS/WASL interacting protein family member 2	<i>WIPF2</i>	1.7	Cytoplasm	other
KCNN3	potassium calcium-activated channel subfamily N member 3	<i>KCNN3</i>	1.7	Plasma membrane	ion channel
GMPS	guanine monophosphate synthase	<i>GMPS</i>	1.7	Nucleus	enzyme
RPL27	ribosomal protein L27	<i>Rpl27</i>	1.7	Cytoplasm	other
ELOVL1	ELOVL fatty acid elongase 1	<i>Elov11</i>	1.7	Cytoplasm	enzyme
TMEM50A	transmembrane protein 50A	<i>Tmem50a</i>	1.7	Plasma membrane	other
RAP1B	RAP1B, member of RAS oncogene family	<i>Rap1b</i>	1.7	Cytoplasm	enzyme
FLRT1	fibronectin leucine rich transmembrane protein 1	<i>FLRT1</i>	1.7	Plasma membrane	other
UBL5	ubiquitin like 5	<i>UBL5</i>	1.7	Cytoplasm	other
MED21	mediator complex subunit 21	<i>MED21</i>	1.7	Nucleus	transcription regulator
RSBN1	round spermatid basic protein 1	<i>RSBN1</i>	1.7	Nucleus	other
IGF1R	insulin like growth factor 1 receptor	<i>IGF1R</i>	1.7	Plasma membrane	transmembrane receptor

HNRNPK	heterogeneous nuclear ribonucleoprotein K	<i>Hnrnpk</i>	1.7	Nucleus	other
KIF22	kinesin family member 22	<i>Kif22</i>	1.7	Nucleus	other
EDRF1	erythroid differentiation regulatory factor 1	<i>C10orf137</i>	1.7	Other	other
EGFLAM	EGF like, fibronectin type III and laminin G domains	<i>EGFLAM</i>	1.7	Extracellular Space	other
TMEM256	transmembrane protein 256	<i>C17orf61</i>	1.7	Cytoplasm	other
CIAO2B	cytosolic iron-sulfur assembly component 2B	<i>FAM96B</i>	1.7	Cytoplasm	other
WIPF1	WAS/WASL interacting protein family member 1	<i>WIPF1</i>	1.7	Cytoplasm	other
ZBTB10	zinc finger and BTB domain containing 10	<i>ZBTB10</i>	1.7	Nucleus	transcription regulator
PHB	prohibitin	<i>Phb</i>	1.7	Nucleus	transcription regulator
DST	dystonin	<i>DST</i>	1.7	Plasma membrane	other
NCF2	neutrophil cytosolic factor 2	<i>Ncf2</i>	1.6	Cytoplasm	enzyme
PRODH2	proline dehydrogenase 2	<i>PRODH2</i>	1.6	Cytoplasm	enzyme
SELENOP	selenoprotein P	<i>SEPP1</i>	1.6	Extracellular Space	other
USP11	ubiquitin specific peptidase 11	<i>USP11</i>	1.6	Nucleus	peptidase
Ptprd	protein tyrosine phosphatase, receptor type, D	<i>Ptprd</i>	1.6	Plasma membrane	phosphatase
DDX19A	DEAD-box helicase 19A	<i>DDX19A</i>	1.6	Nucleus	enzyme
SIL1	SIL1 nucleotide exchange factor	<i>SIL1</i>	1.6	Cytoplasm	transporter
DOT1L	DOT1 like histone lysine methyltransferase	<i>Dot1l</i>	1.6	Nucleus	phosphatase
RYK	receptor like tyrosine kinase	<i>RYK</i>	1.6	Plasma membrane	kinase
TRAF4	TNF receptor associated factor 4	<i>TRAF4</i>	1.6	Cytoplasm	other
TFE3	transcription factor binding to IGHM enhancer 3	<i>TFE3</i>	1.6	Nucleus	transcription regulator
C1QA	complement C1q A chain	<i>C1qa</i>	1.6	Extracellular Space	other
WNT2B	Wnt family member 2B	<i>WNT2B</i>	1.6	Extracellular Space	other
UXT	ubiquitously expressed prefoldin like chaperone	<i>UXT</i>	1.6	Cytoplasm	transcription regulator
CYYR1	cysteine and tyrosine rich 1	<i>CYYR1</i>	1.6	Other	other
SCP2	sterol carrier protein 2	<i>SCP2</i>	1.6	Cytoplasm	transporter
FERMT2	FERM domain containing kindlin 2	<i>Fermt2</i>	1.6	Cytoplasm	other
MAPRE2	microtubule associated protein RP/EB family member 2	<i>MAPRE2</i>	1.6	Cytoplasm	other
ERCC1	ERCC excision repair 1, endonuclease non-catalytic subunit	<i>Ercc1</i>	1.6	Nucleus	enzyme
DNASE2	deoxyribonuclease 2, lysosomal	<i>DNASE2</i>	1.6	Cytoplasm	enzyme
CD68	CD68 molecule	<i>CD68</i>	1.6	Plasma membrane	other
EIF4A1	eukaryotic translation initiation factor 4A1	<i>EIF4A1</i>	1.6	Cytoplasm	translation regulator
DLST	dihydrolipoamide S-succinyltransferase	<i>DLST</i>	1.6	Cytoplasm	enzyme
GSE1	Gse1 coiled-coil protein	<i>KIAA0182</i>	1.6	Extracellular Space	other
MYRIP	myosin VIIA and Rab interacting protein	<i>MYRIP</i>	1.6	Cytoplasm	other
TCF21	transcription factor 21	<i>Tcf21</i>	1.6	Nucleus	transcription regulator
AURKA	aurora kinase A	<i>AURKA</i>	1.6	Nucleus	kinase
HMG3	high mobility group nucleosomal binding domain 3	<i>HMG3</i>	1.6	Nucleus	other
SMN1/SMN2	survival of motor neuron 1, telomeric	<i>Smn1</i>	1.6	Nucleus	other
TIGD1	tigger transposable element derived 1	<i>TIGD1</i>	1.6	Other	other

CITED1	Cbp/p3 interacting transactivator with Glu/Asp rich carboxy-terminal domain 1	<i>CITED1</i>	1.6	Nucleus	transcription regulator
DUSP1	dual specificity phosphatase 1	<i>DUSP1</i>	1.6	Nucleus	phosphatase
RNF8	ring finger protein 8	<i>Rnf8</i>	1.6	Nucleus	enzyme
CHRAC1	chromatin accessibility complex subunit 1	<i>Chrac1</i>	1.6	Nucleus	enzyme
DKK2	dickkopf WNT signaling pathway inhibitor 2	<i>DKK2</i>	1.6	Extracellular Space	other
B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	<i>B3GNT2</i>	1.6	Cytoplasm	enzyme
DEF6	DEF6 guanine nucleotide exchange factor	<i>Def6</i>	1.6	Extracellular Space	other
ALDH3B2	aldehyde dehydrogenase 3 family member B2	<i>ALDH3B2</i>	1.6	Cytoplasm	enzyme
HEXB	hexosaminidase subunit beta	<i>Hexb</i>	1.6	Cytoplasm	enzyme
CA2	carbonic anhydrase 2	<i>CA2</i>	1.6	Cytoplasm	enzyme
PLCL1	phospholipase C like 1 (inactive)	<i>PLCL1</i>	1.6	Cytoplasm	enzyme
HMBS	hydroxymethylbilane synthase	<i>HMBS</i>	1.6	Cytoplasm	enzyme
BCAS3	BCAS3 microtubule associated cell migration factor	<i>BCAS3</i>	1.6	Nucleus	other
NUTF2	nuclear transport factor 2	<i>NUTF2</i>	1.6	Nucleus	other
TMC8	transmembrane channel like 8	<i>TMC8</i>	1.6	Cytoplasm	other
ATP2C2	ATPase secretory pathway Ca2+ transporting 2	<i>ATP2C2</i>	1.6	Cytoplasm	enzyme
ZNF35	zinc finger protein 35	<i>ZNF35</i>	1.6	Nucleus	transcription regulator
PSMB10	proteasome 20S subunit beta 10	<i>PSMB10</i>	1.6	Cytoplasm	peptidase
VPS39	VPS39 subunit of HOPS complex	<i>VPS39</i>	1.6	Cytoplasm	transporter
NCAPG2	non-SMC condensin II complex subunit G2	<i>NCAPG2</i>	1.6	Nucleus	other
VCAM1	vascular cell adhesion molecule 1	<i>Vcam1</i>	1.6	Plasma membrane	transmembrane receptor
BRPF1	bromodomain and PHD finger containing 1	<i>BRPF1</i>	1.6	Nucleus	transporter
PLEKHG2	pleckstrin homologue and RhoGEF domain containing G2	<i>Plekhg2</i>	1.6	Cytoplasm	other
SLC30A6	solute carrier family 30 member 6	<i>SLC30A6</i>	1.6	Cytoplasm	transporter
FLOT2	flotillin 2	<i>FLOT2</i>	1.6	Plasma membrane	other
PARVG	parvin gamma	<i>PARVG</i>	1.6	Cytoplasm	other
ZNF217	zinc finger protein 217	<i>ZNF217</i>	1.6	Nucleus	transcription regulator
TUBGCP5	tubulin gamma complex associated protein 5	<i>TUBGCP5</i>	1.6	Cytoplasm	other
GRID1	glutamate ionotropic receptor delta type subunit 1	<i>GRID1</i>	1.6	Plasma membrane	ion channel
PKNOX1	PBX/knotted 1 homeobox 1	<i>Pknox1</i>	1.6	Nucleus	transcription regulator
LRRC36	leucine rich repeat containing 36	<i>LRRC36</i>	1.6	Other	other
BCL2L2	BCL2 like 2	<i>Bcl2l2</i>	1.6	Cytoplasm	other
LGALS4	galectin 4	<i>Lgals4</i>	1.6	Extracellular Space	other
DDX41	DEAD-box helicase 41	<i>DDX41</i>	1.6	Nucleus	enzyme
CD1D	CD1d molecule	<i>CD1D</i>	1.6	Plasma membrane	other
LAP3	leucine aminopeptidase 3	<i>LAP3</i>	1.6	Cytoplasm	peptidase
MARK2	microtubule affinity regulating kinase 2	<i>MARK2</i>	1.6	Cytoplasm	kinase
AP4M1	adaptor related protein complex 4 subunit mu 1	<i>AP4M1</i>	1.6	Cytoplasm	other
AMIGO2	adhesion molecule with Ig like domain 2	<i>AMIGO2</i>	1.6	Plasma membrane	other
FAH	fumarylacetoacetate hydrolase	<i>FAH</i>	1.6	Cytoplasm	enzyme
MEF2B	myocyte enhancer factor 2B	<i>MEF2B</i>	1.6	Nucleus	transcription regulator

CCDC51	coiled-coil domain containing 51	<i>Ccdc51</i>	1.6	Cytoplasm	transporter
CBX8	chromobox 8	<i>Cbx8</i>	1.6	Nucleus	other
ARL14EP	ADP ribosylation factor like GTPase 14 effector protein	<i>C11orf46</i>	1.6	Other	other
LRRC59	leucine rich repeat containing 59	<i>LRRC59</i>	1.5	Cytoplasm	other
WDR91	WD repeat domain 91	<i>WDR91</i>	1.5	Cytoplasm	other
RMI1	RecQ mediated genome instability 1	<i>Rmi1</i>	1.5	Nucleus	other
EXOSC10	exosome component 10	<i>EXOSC10</i>	1.5	Nucleus	kinase
TEX30	testis expressed 30	<i>C13orf27</i>	1.5	Other	other
SEMA6D	semaphorin 6D	<i>SEMA6D</i>	1.5	Plasma membrane	other
GALNT14	polypeptide N-acetylgalactosaminyl transferase 14	<i>Galnt14</i>	1.5	Cytoplasm	enzyme
VAMP1	vesicle associated membrane protein 1	<i>VAMP1</i>	1.5	Cytoplasm	transporter
PTPRB	protein tyrosine phosphatase receptor type B	<i>PTPRB</i>	1.5	Plasma membrane	phosphatase
ALG10	ALG10 alpha-1,2-glucosyltransferase	<i>ALG10</i>	1.5	Cytoplasm	enzyme
MARCO	macrophage receptor with collagenous structure	<i>MARCO</i>	1.5	Plasma membrane	transmembrane receptor
GRB7	growth factor receptor bound protein 7	<i>Grb7</i>	1.5	Plasma membrane	other
AIF1	allograft inflammatory factor 1	<i>Aif1</i>	1.5	Nucleus	other
MAML3	mastermind like transcriptional coactivator 3	<i>MAML3</i>	1.5	Nucleus	transcription regulator
TCTN1	tectonic family member 1	<i>TCTN1</i>	1.5	Extracellular Space	other
ARHGEF9	Cdc42 guanine nucleotide exchange factor 9	<i>ARHGEF9</i>	1.5	Cytoplasm	other
ATP6V1F	ATPase H+ transporting V1 subunit F	<i>ATP6V1F</i>	1.5	Cytoplasm	enzyme
AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	<i>AGPAT3</i>	1.5	Cytoplasm	enzyme
SNX1	sorting nexin 1	<i>SNX1</i>	1.5	Cytoplasm	transporter
MTBP	MDM2 binding protein	<i>MTBP</i>	1.5	Cytoplasm	other
BAZ1A	bromodomain adjacent to zinc finger domain 1A	<i>BAZ1A</i>	1.5	Nucleus	other
PDLIM1	PDZ and LIM domain 1	<i>PDLIM1</i>	1.5	Cytoplasm	transcription regulator
FITM1	fat storage inducing transmembrane protein 1	<i>FITM1</i>	1.5	Extracellular Space	other
LIMA1	LIM domain and actin binding 1	<i>LIMA1</i>	1.5	Cytoplasm	other
PHF23	PHD finger protein 23	<i>Phf23</i>	1.5	Nucleus	other
VPS35	VPS35 retromer complex component	<i>Vps35</i>	1.5	Cytoplasm	transporter
CILP	cartilage intermediate layer protein	<i>CILP</i>	1.5	Extracellular Space	phosphatase
B4GALT5	beta-1,4-galactosyltransferase 5	<i>B4galt5</i>	1.5	Cytoplasm	enzyme
RCL1	RNA terminal phosphate cyclase like 1	<i>RCL1</i>	1.5	Nucleus	enzyme
LETMD1	LETM1 domain containing 1	<i>LETMD1</i>	1.5	Plasma membrane	other
HIF3A	hypoxia inducible factor 3 subunit alpha	<i>HIF3A</i>	1.5	Nucleus	transcription regulator
PSMC6	proteasome 26S subunit, ATPase 6	<i>Psmc6</i>	1.5	Nucleus	peptidase
CD2	CD2 molecule	<i>Cd2</i>	1.5	Plasma membrane	other
MYO9A	myosin IXA	<i>MYO9A</i>	1.5	Cytoplasm	enzyme
PIGR	polymeric immunoglobulin receptor	<i>PIGR</i>	1.5	Plasma membrane	transporter
PLAGL1	PLAG1 like zinc finger 1	<i>PLAGL1</i>	1.5	Nucleus	transcription regulator
CTSA	cathepsin A	<i>CTSA</i>	1.5	Cytoplasm	peptidase
TOPORS	TOP1 binding arginine/serine rich protein, E3 ubiquitin ligase	<i>Topors</i>	1.5	Nucleus	enzyme
CH25H	cholesterol 25-hydroxylase	<i>CH25H</i>	1.5	Cytoplasm	enzyme

TMEM9	transmembrane protein 9	<i>Tmem9</i>	1.5	Cytoplasm	other
POLD4	DNA polymerase delta 4, accessory subunit	<i>POLD4</i>	1.5	Nucleus	enzyme
PARP9	poly(ADP-ribose) polymerase family member 9	<i>PARP9</i>	1.5	Nucleus	enzyme
CCDC92	coiled-coil domain containing 92	<i>CCDC92</i>	1.5	Cytoplasm	other
NRXN1	neurexin 1	<i>NRXN1</i>	1.5	Plasma membrane	transporter
COL4A1	collagen type IV alpha 1 chain	<i>Col4a1</i>	1.5	Extracellular Space	other
PARD6A	par-6 family cell polarity regulator alpha	<i>PARD6A</i>	1.5	Plasma membrane	other
CD44	CD44 molecule (Indian blood group)	<i>CD44</i>	1.5	Plasma membrane	other
GNB1	G protein subunit beta 1	<i>GNB1</i>	1.5	Plasma membrane	enzyme
ADGRE3	adhesion G protein-coupled receptor E3	<i>EMR3</i>	1.5	Plasma membrane	G-protein coupled receptor
LACTB2	lactamase beta 2	<i>LACTB2</i>	1.5	Cytoplasm	enzyme
FBXW9	F-box and WD repeat domain containing 9	<i>FBXW9</i>	1.5	Cytoplasm	other
CYP1A1	cytochrome P450 family 1 subfamily A member 1	<i>CYP1A1</i>	1.5	Cytoplasm	enzyme
HEY2	hes related family bHLH transcription factor with YRPW motif 2	<i>HEY2</i>	1.5	Nucleus	transcription regulator
TRPC1	transient receptor potential cation channel subfamily C member 1	<i>Trpc1</i>	1.5	Plasma membrane	ion channel
HIGD1A	HIG1 hypoxia inducible domain family member 1A	<i>HIGD1A</i>	1.5	Cytoplasm	other
SF3B2	splicing factor 3b subunit 2	<i>SF3B2</i>	1.5	Nucleus	other
PPP1R21	protein phosphatase 1 regulatory subunit 21	<i>KLRAQ1</i>	1.5	Other	other
CPT1B	carnitine palmitoyltransferase 1B	<i>Cpt1b</i>	1.5	Cytoplasm	enzyme
PRAF2	PRA1 domain family member 2	<i>PRAF2</i>	1.5	Other	other
SOCS5	suppressor of cytokine signaling 5	<i>SOCS5</i>	1.5	Extracellular Space	cytokine
PSMD10	proteasome 26S subunit, non-ATPase 10	<i>PSMD10</i>	1.5	Cytoplasm	transcription regulator
WWC1	WW and C2 domain containing 1	<i>WWC1</i>	1.5	Cytoplasm	transcription regulator
DCUN1D1	defective in cullin neddylation 1 domain containing 1	<i>DCUN1D1</i>	1.5	Nucleus	other
SLC27A5	solute carrier family 27 member 5	<i>Slc27a5</i>	1.5	Cytoplasm	transporter
BCL3	BCL3 transcription coactivator	<i>Bcl3</i>	1.5	Nucleus	transcription regulator
RAB17	RAB17, member RAS oncogene family	<i>RAB17</i>	1.5	Cytoplasm	enzyme
ACO2	aconitase 2	<i>ACO2</i>	1.5	Cytoplasm	enzyme
ZBTB16	zinc finger and BTB domain containing 16	<i>ZBTB16</i>	1.5	Nucleus	transcription regulator
SERPINE2	serpin family E member 2	<i>SERPINE2</i>	1.5	Extracellular Space	other
SYNJ1	synaptojanin 1	<i>SYNJ1</i>	1.5	Cytoplasm	phosphatase
PEX2	peroxisomal biogenesis factor 2	<i>PEX2</i>	1.5	Cytoplasm	other
TIMM8A	translocase of inner mitochondrial membrane 8A	<i>TIMM8A</i>	1.5	Cytoplasm	transporter
PAPOLG	poly(A) polymerase gamma	<i>PAPOLG</i>	1.5	Nucleus	enzyme
TIGD3	tigger transposable element derived 3	<i>Tigd3</i>	1.5	Other	other
SPPL2B	signal peptide peptidase like 2B	<i>SPPL2B</i>	1.4	Plasma membrane	peptidase
RSRC2	arginine and serine rich coiled-coil 2	<i>RSRC2</i>	1.4	Other	other
DNAJB5	DnaJ heat shock protein family (Hsp40) member B5	<i>DNAJB5</i>	1.4	Cytoplasm	other
MOV10	Mov10 RISC complex RNA helicase	<i>MOV10</i>	1.4	Nucleus	enzyme

SIA11	S1 calcium binding protein A11	<i>SIA11</i>	1.4	Cytoplasm	other
TMED3	transmembrane p24 trafficking protein 3	<i>TMED3</i>	1.4	Cytoplasm	transporter
RORC	RAR related orphan receptor C	<i>Rorc</i>	1.4	Nucleus	ligand-dependent nuclear receptor
STAT3	signal transducer and activator of transcription 3	<i>Stat3</i>	1.4	Nucleus	transcription regulator
IGFBPL1	insulin like growth factor binding protein like 1	<i>Igfbpl1</i>	1.4	Extracellular Space	other
SMS	spermine synthase	<i>Sms</i>	1.4	Cytoplasm	enzyme
LARP6	La ribonucleoprotein 6, translational regulator	<i>LARP6</i>	1.4	Cytoplasm	other
ST8SIA1	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 1	<i>ST8SIA1</i>	1.4	Cytoplasm	enzyme
CELSR2	cadherin EGF LAG seven-pass G-type receptor 2	<i>CELSR2</i>	1.4	Plasma membrane	G-protein coupled receptor
SARNP	SAP domain containing ribonucleoprotein	<i>SARNP</i>	1.4	Nucleus	transcription regulator
LOXL4	lysyl oxidase like 4	<i>Loxl4</i>	1.4	Extracellular Space	enzyme
BPIFB1	BPI fold containing family B member 1	<i>C20orf114</i>	1.4	Extracellular Space	other
MAN1C1	mannosidase alpha class 1C member 1	<i>MAN1C1</i>	1.4	Cytoplasm	enzyme
MYCN	MYCN proto-oncogene, bHLH transcription factor	<i>MYCN</i>	1.4	Nucleus	transcription regulator
LCK	LCK proto-oncogene, Src family tyrosine kinase	<i>LCK</i>	1.4	Cytoplasm	kinase
DVL3	dishevelled segment polarity protein 3	<i>DVL3</i>	1.4	Cytoplasm	other
TCF4	transcription factor 4	<i>TCF4</i>	1.4	Nucleus	transcription regulator
NUFIP1	nuclear FMR1 interacting protein 1	<i>NUFIP1</i>	1.4	Nucleus	other
PGLYRP1	peptidoglycan recognition protein 1	<i>Pglyrp1</i>	1.4	Plasma membrane	transmembrane receptor
BCAM	basal cell adhesion molecule (Lutheran blood group)	<i>BCAM</i>	1.4	Plasma membrane	transmembrane receptor
TMEM120A	transmembrane protein 120A	<i>TMEM120A</i>	1.4	Plasma membrane	ion channel
Cdc42	cell division cycle 42	<i>Cdc42</i>	1.4	Plasma membrane	enzyme
RBFOX2	RNA binding fox-1 homologue 2	<i>RBM9</i>	1.4	Nucleus	transcription regulator
SLC7A6	solute carrier family 7 member 6	<i>SLC7A6</i>	1.4	Plasma membrane	transporter
MRM1	mitochondrial rRNA methyltransferase 1	<i>MRM1</i>	1.4	Cytoplasm	enzyme
CCNK	cyclin K	<i>CCNK</i>	1.4	Nucleus	kinase
CDADC1	cytidine and dCMP deaminase domain containing 1	<i>CDADC1</i>	1.4	Other	kinase
NOL7	nucleolar protein 7	<i>NOL7</i>	1.4	Nucleus	other
DNAJC17	DnaJ heat shock protein family (Hsp40) member C17	<i>DNAJC17</i>	1.4	Other	other
XRCC4	X-ray repair cross complementing 4	<i>Xrcc4</i>	1.4	Nucleus	enzyme
NOA1	nitric oxide associated 1	<i>C4orf14</i>	1.4	Cytoplasm	other
CSK	C-terminal Src kinase	<i>CSK</i>	1.4	Cytoplasm	kinase
DNAJC7	DnaJ heat shock protein family (Hsp40) member C7	<i>DNAJC7</i>	1.4	Cytoplasm	other
SERPINB8	serpin family B member 8	<i>SERPINB8</i>	1.4	Cytoplasm	other
NBAS	NBAS subunit of NRZ tethering complex	<i>NBAS</i>	1.4	Nucleus	other
JAGN1	jagunal homologue 1	<i>JAGN1</i>	1.4	Cytoplasm	other
CENPV	centromere protein V	<i>CENPV</i>	1.4	Nucleus	other
ADAM23	ADAM metallopeptidase domain 23	<i>ADAM23</i>	1.4	Plasma membrane	peptidase
CCN2	cellular communication network factor 2	<i>CTGF</i>	1.4	Extracellular Space	growth factor
LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	<i>LYVE1</i>	1.4	Plasma membrane	transmembrane receptor

PIK3C2B	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta	<i>PIK3C2B</i>	1.4	Cytoplasm	kinase
HDAC3	histone deacetylase 3	<i>HDAC3</i>	1.4	Nucleus	transcription regulator
WDR55	WD repeat domain 55	<i>Wdr55</i>	1.4	Nucleus	other
AQP4	aquaporin 4	<i>AQP4</i>	1.4	Plasma membrane	transporter
F12	coagulation factor XII	<i>F12</i>	1.4	Extracellular Space	peptidase
SULF2	sulfatase 2	<i>SULF2</i>	1.4	Plasma membrane	enzyme
DUSP23	dual specificity phosphatase 23	<i>DUSP23</i>	1.4	Cytoplasm	phosphatase
Lage3	L antigen family, member 3	<i>Lage3</i>	1.4	Nucleus	other
ZBTB2	zinc finger and BTB domain containing 2	<i>ZBTB2</i>	1.4	Nucleus	transcription regulator
SDF2	stromal cell derived factor 2	<i>SDF2</i>	1.4	Extracellular Space	enzyme
ADAM15	ADAM metallopeptidase domain 15	<i>Adam15</i>	1.4	Plasma membrane	peptidase
ANKRD13D	ankyrin repeat domain 13D	<i>ANKRD13D</i>	1.4	Plasma membrane	other
ASMTL	acetylserotonin O-methyltransferase like	<i>ASMTL</i>	1.4	Cytoplasm	enzyme
MTRF1L	mitochondrial translation release factor 1 like	<i>MTRF1L</i>	1.4	Cytoplasm	translation regulator
CRBN	cereblon	<i>CRBN</i>	1.4	Cytoplasm	enzyme
PPP2R5C	protein phosphatase 2 regulatory subunit B'gamma	<i>PPP2R5C</i>	1.4	Nucleus	other
SIK3	SIK family kinase 3	<i>SIK3</i>	1.4	Cytoplasm	kinase
NPRL2	NPR2 like, GATOR1 complex subunit	<i>NPRL2</i>	1.4	Cytoplasm	kinase
Nrxn3	neurexin III	<i>Nrxn3</i>	1.4	Plasma membrane	other
ANKFY1	ankyrin repeat and FYVE domain containing 1	<i>Ankfy1</i>	1.4	Cytoplasm	transcription regulator
ZNF274	zinc finger protein 274	<i>ZNF274</i>	1.4	Nucleus	transcription regulator
VPS28	VPS28 subunit of ESCRT-I	<i>VPS28</i>	1.4	Cytoplasm	transporter
MYF6	myogenic factor 6	<i>MYF6</i>	1.4	Nucleus	transcription regulator
MRPL42	mitochondrial ribosomal protein L42	<i>MRPL42</i>	1.4	Cytoplasm	other
MXI1	MAX interactor 1, dimerization protein	<i>MXI1</i>	1.4	Nucleus	transcription regulator
RDH10	retinol dehydrogenase 10	<i>RDH10</i>	1.4	Nucleus	enzyme
SPOP	speckle type BTB/POZ protein	<i>SPOP</i>	1.4	Extracellular Space	other
ESPL1	extra spindle pole bodies like 1, separase	<i>ESPL1</i>	1.4	Nucleus	peptidase
BCKDHB	branched chain keto acid dehydrogenase E1 subunit beta	<i>BCKDHB</i>	1.4	Cytoplasm	enzyme
GABRB3	gamma-aminobutyric acid type A receptor subunit beta3	<i>GABRB3</i>	1.4	Plasma membrane	ion channel
SLC25A4	solute carrier family 25 member 4	<i>SLC25A4</i>	1.4	Cytoplasm	transporter
SLC39A3	solute carrier family 39 member 3	<i>SLC39A3</i>	1.4	Plasma membrane	transporter
CLCA1	chloride channel accessory 1	<i>CLCA1</i>	1.3	Plasma membrane	ion channel
GBA	glucosylceramidase beta	<i>GBA</i>	1.3	Cytoplasm	enzyme
STRIP1	striatin interacting protein 1	<i>FAM40A</i>	1.3	Nucleus	other
KPNA4	karyopherin subunit alpha 4	<i>KPNA4</i>	1.3	Nucleus	other
PPIF	peptidylprolyl isomerase F	<i>PPIF</i>	1.3	Cytoplasm	enzyme
ACSL1	acyl-CoA synthetase long chain family member 1	<i>ACSL1</i>	1.3	Cytoplasm	enzyme
CALCR	calcitonin receptor	<i>CALCR</i>	1.3	Plasma membrane	G-protein coupled receptor
CA14	carbonic anhydrase 14	<i>CA14</i>	1.3	Plasma membrane	enzyme
RPNI	ribophorin I	<i>RPNI</i>	1.3	Cytoplasm	enzyme
SERPING1	serpin family G member 1	<i>SERPING1</i>	1.3	Extracellular Space	other

ZNF335	zinc finger protein 335	<i>ZNF335</i>	1.3	Nucleus	transcription regulator
NKIRAS1	NFKB inhibitor interacting Ras like 1	<i>NKIRAS1</i>	1.3	Other	enzyme
G3BP1	G3BP stress granule assembly factor 1	<i>G3BP1</i>	1.3	Nucleus	enzyme
ZMYND12	zinc finger MYND-type containing 12	<i>Zmynd12</i>	1.3	Other	other
EFHD2	EF-hand domain family member D2	<i>Efhd2</i>	1.3	Plasma membrane	other
TXNDC12	thioredoxin domain containing 12	<i>TXNDC12</i>	1.3	Cytoplasm	enzyme
ASIC1	acid sensing ion channel subunit 1	<i>ACCN2</i>	1.3	Plasma membrane	ion channel
MBTPS2	membrane bound transcription factor peptidase, site 2	<i>MBTPS2</i>	1.3	Cytoplasm	peptidase
ABCG2	ATP binding cassette subfamily G member 2 (Junior blood group)	<i>Abcg2</i>	1.3	Plasma membrane	transporter
INTS3	integrator complex subunit 3	<i>INTS3</i>	1.3	Nucleus	other
BCAT2	branched chain amino acid transaminase 2	<i>BCAT2</i>	1.3	Cytoplasm	enzyme
PPM1B	protein phosphatase, Mg2+/Mn2+ dependent 1B	<i>PPM1B</i>	1.3	Cytoplasm	phosphatase
UBXN1	UBX domain protein 1	<i>Ubxn1</i>	1.3	Cytoplasm	other
CEP63	centrosomal protein 63	<i>CEP63</i>	1.3	Cytoplasm	other
ANGEL2	angel homologue 2	<i>ANGEL2</i>	1.3	Nucleus	other
HBE1	hemoglobin subunit epsilon 1	<i>HBE1</i>	1.3	Cytoplasm	transporter
KAT6A	lysine acetyltransferase 6A	<i>MYST3</i>	1.3	Nucleus	enzyme
SERPINB1	serpin family B member 1	<i>SERPINB1</i>	1.3	Cytoplasm	other
TOB2	transducer of ERBB2, 2	<i>Tob2</i>	1.3	Nucleus	other
GAD1	glutamate decarboxylase 1	<i>Gad1</i>	1.3	Cytoplasm	enzyme
APIP	APAF1 interacting protein	<i>APIP</i>	1.3	Cytoplasm	enzyme
UBE2S	ubiquitin conjugating enzyme E2 S	<i>Ube2s</i>	1.3	Nucleus	enzyme
MGST3	microsomal glutathione S-transferase 3	<i>Mgst3</i>	1.3	Cytoplasm	enzyme
SLTM	SAFB like transcription modulator	<i>SLTM</i>	1.3	Nucleus	other
VCP	valosin containing protein	<i>Vcp</i>	1.3	Cytoplasm	enzyme
GULP1	GULP PTB domain containing engulfment adaptor 1	<i>GULP1</i>	1.3	Cytoplasm	other
TNFRSF25	TNF receptor superfamily member 25	<i>TNFRSF25</i>	1.3	Plasma membrane	transmembrane receptor
USP16	ubiquitin specific peptidase 16	<i>USP16</i>	1.3	Cytoplasm	peptidase
SAT2	spermidine/spermine N1-acetyltransferase family member 2	<i>SAT2</i>	1.3	Plasma membrane	enzyme
PPIG	peptidylprolyl isomerase G	<i>PPIG</i>	1.3	Nucleus	enzyme
EBNA1BP2	EBNA1 binding protein 2	<i>EBNA1BP2</i>	1.3	Nucleus	other
NDUFB9	NADH:ubiquinone oxidoreductase subunit B9	<i>NDUFB9</i>	1.3	Cytoplasm	enzyme
CREB1	cAMP responsive element binding protein 1	<i>CREB1</i>	1.3	Nucleus	transcription regulator
PLA2G12A	phospholipase A2 group X1IA	<i>Pla2g12a</i>	1.3	Other	enzyme
CUL7	cullin 7	<i>CUL7</i>	1.3	Cytoplasm	enzyme
QPCT	glutaminyl-peptide cyclotransferase	<i>QPCT</i>	1.3	Cytoplasm	enzyme
CD81	CD81 molecule	<i>CD81</i>	1.3	Plasma membrane	other
DDX50	DEXD-box helicase 50	<i>DDX50</i>	1.3	Nucleus	enzyme
AFF4	AF4/FMR2 family member 4	<i>AFF4</i>	1.3	Nucleus	transcription regulator
FDFT1	farnesyl-diphosphate farnesyltransferase 1	<i>FDFT1</i>	1.3	Cytoplasm	enzyme
TRIM38	tripartite motif containing 38	<i>TRIM38</i>	1.3	Cytoplasm	enzyme
SCN9A	sodium voltage-gated channel alpha subunit 9	<i>SCN9A</i>	1.3	Plasma membrane	ion channel
FBXO5	F-box protein 5	<i>Fbxo5</i>	1.3	Nucleus	enzyme
POLRMT	RNA polymerase mitochondrial	<i>Polrmt</i>	1.3	Cytoplasm	enzyme
C11orf16	chromosome 11 open reading frame 16	<i>C11orf16</i>	1.3	Other	other

RELN	reelin	<i>RELN</i>	1.3	Extracellular Space	peptidase
AUNIP	aurora kinase A and ninein interacting protein	<i>C1orf135</i>	1.3	Cytoplasm	other
NME1-NME2	NME1-NME2 readthrough	<i>NME1-NME2</i>	1.3	Cytoplasm	other
EGR1	early growth response 1	<i>Egr1</i>	1.3	Nucleus	transcription regulator
SSR3	signal sequence receptor subunit 3	<i>SSR3</i>	1.3	Cytoplasm	other
GPN3	GPN-loop GTPase 3	<i>Gpn3</i>	1.3	Cytoplasm	other
SOD1	superoxide dismutase 1	<i>SOD1</i>	1.3	Cytoplasm	enzyme
ZZEF1	zinc finger ZZ-type and EF-hand domain containing 1	<i>ZZEF1</i>	1.3	Nucleus	transcription regulator
MPDU1	mannose-P-dolichol utilization defect 1	<i>MPDU1</i>	1.3	Cytoplasm	other
TRIM47	tripartite motif containing 47	<i>TRIM47</i>	1.3	Cytoplasm	enzyme
SNU13	small nuclear ribonucleoprotein 13	<i>NHP2L1</i>	1.3	Nucleus	other
PSMD8	proteasome 26S subunit, non-ATPase 8	<i>PSMD8</i>	1.3	Cytoplasm	other
ATP5PB	ATP synthase peripheral stalk-membrane subunit b	<i>ATP5F1</i>	1.3	Cytoplasm	transporter
BOLL	boule homologue, RNA binding protein	<i>BOLL</i>	1.3	Cytoplasm	translation regulator
REPIN1	replication initiator 1	<i>REPIN1</i>	1.3	Nucleus	other
SETDB1	SET domain bifurcated histone lysine methyltransferase 1	<i>Setdb1</i>	1.3	Nucleus	enzyme
PCSK5	proprotein convertase subtilisin/kexin type 5	<i>PCSK5</i>	1.3	Extracellular Space	peptidase
APIG1	adaptor related protein complex 1 subunit gamma 1	<i>ApiG1</i>	1.3	Cytoplasm	other
AMY2B	amylase alpha 2B	<i>AMY2B</i>	1.3	Extracellular Space	enzyme
SMPD3	sphingomyelin phosphodiesterase 3	<i>Smpd3</i>	1.3	Cytoplasm	enzyme
SORCS2	sortilin related VPS10 domain containing receptor 2	<i>Sorcs2</i>	1.3	Plasma membrane	transporter
OAF	out at first homologue	<i>OAF</i>	1.3	Cytoplasm	other
NSMAF	neutral sphingomyelinase activation associated factor	<i>NSMAF</i>	1.3	Cytoplasm	other
CLIC2	chloride intracellular channel 2	<i>CLIC2</i>	1.3	Cytoplasm	enzyme
EIF3C	eukaryotic translation initiation factor 3 subunit C	<i>EIF3C</i>	1.3	Cytoplasm	translation regulator
ADIPOQ	adiponectin, C1Q and collagen domain containing	<i>ADIPOQ</i>	1.3	Extracellular Space	other
C1orf21	chromosome 1 open reading frame 21	<i>C1orf21</i>	1.3	Other	other
UBE2N	ubiquitin conjugating enzyme E2 N	<i>UBE2N</i>	1.3	Cytoplasm	enzyme
CXCL2	C-X-C motif chemokine ligand 2	<i>CXCL2</i>	1.3	Extracellular Space	cytokine
RILPL1	Rab interacting lysosomal protein like 1	<i>RILPL1</i>	1.3	Cytoplasm	other
TSPAN13	tetraspanin 13	<i>TSPAN13</i>	1.3	Plasma membrane	other
UBE3B	ubiquitin protein ligase E3B	<i>UBE3B</i>	1.3	Extracellular Space	enzyme
BUD13	BUD13 homologue	<i>BUD13</i>	1.3	Nucleus	other
FOLR1	folate receptor alpha	<i>FOLR1</i>	1.3	Plasma membrane	transporter
ORMDL2	ORMDL sphingolipid biosynthesis regulator 2	<i>ORMDL2</i>	1.3	Cytoplasm	other
GPATCH2L	G-patch domain containing 2 like	<i>C14orf118</i>	1.3	Other	other
PSPH	phosphoserine phosphatase	<i>PSPH</i>	1.3	Cytoplasm	phosphatase
GPC6	glypican 6	<i>GPC6</i>	1.3	Plasma membrane	transmembrane receptor
BCL9	BCL9 transcription activator	<i>BCL9</i>	1.3	Nucleus	other
SLC7A10	solute carrier family 7 member 10	<i>SLC7A10</i>	1.3	Plasma membrane	transporter
CHPT1	choline phosphotransferase 1	<i>CHPT1</i>	1.3	Cytoplasm	enzyme
DCTPP1	dCTP pyrophosphatase 1	<i>DCTPP1</i>	1.3	Cytoplasm	enzyme
KRT17P3	keratin 17 pseudogene 3	<i>KRT17P3</i>	1.3	Other	other

SCAMP3	secretory carrier membrane protein 3	<i>Scamp3</i>	1.3	Cytoplasm	transporter
GPRIN2	G protein regulated inducer of neurite outgrowth 2	<i>GPRIN2</i>	1.3	Other	other
FBXW4	F-box and WD repeat domain containing 4	<i>FBXW4</i>	1.3	Cytoplasm	other
FBXO36	F-box protein 36	<i>FBXO36</i>	1.3	Other	other
PKP2	plakophilin 2	<i>Pkp2</i>	1.3	Plasma membrane	other
CYCS	cytochrome c, somatic	<i>CYCS</i>	1.3	Cytoplasm	enzyme
FMO2	flavin containing dimethylaniline monooxygenase 2	<i>FMO2</i>	1.3	Cytoplasm	enzyme
RBM8A	RNA binding motif protein 8A	<i>RBM8A</i>	1.3	Nucleus	other
PCYOX1L	prenylcysteine oxidase 1 like	<i>PCYOX1L</i>	1.3	Other	other
ABL1	ABL proto-oncogene 1, non-receptor tyrosine kinase	<i>ABL1</i>	1.3	Nucleus	kinase
NR3C1	nuclear receptor subfamily 3 group C member 1	<i>NR3C1</i>	1.3	Nucleus	ligand-dependent nuclear receptor
NRP2	neuropilin 2	<i>NRP2</i>	1.3	Plasma membrane	kinase
HECTD1	HECT domain E3 ubiquitin protein ligase 1	<i>Hectd1</i>	1.3	Other	enzyme
SCMH1	Scm polycomb group protein homologue 1	<i>SCMH1</i>	1.3	Nucleus	transcription regulator
CLDN3	claudin 3	<i>CLDN3</i>	1.2	Plasma membrane	transmembrane receptor
ANXA6	annexin A6	<i>ANXA6</i>	1.2	Plasma membrane	ion channel
NUDCD3	NudC domain containing 3	<i>NUDCD3</i>	1.2	Cytoplasm	other
HLCS	holocarboxylase synthetase	<i>HLCS</i>	1.2	Cytoplasm	enzyme
FKBPL	FKBP prolyl isomerase like	<i>FKBPL</i>	1.2	Nucleus	other
ABCB10	ATP binding cassette subfamily B member 10	<i>ABCB10</i>	1.2	Cytoplasm	transporter
MMP23B	matrix metalloproteinase 23B	<i>MMP23B</i>	1.2	Extracellular Space	peptidase
CYB5R1	cytochrome b5 reductase 1	<i>CYB5R1</i>	1.2	Cytoplasm	enzyme
APOBEC4	apolipoprotein B mRNA editing enzyme catalytic polypeptide like 4	<i>APOBEC4</i>	1.2	Other	other
CIQC	complement C1q C chain	<i>CIQC</i>	1.2	Extracellular Space	other
CCND1	cyclin D1	<i>CCND1</i>	1.2	Nucleus	transcription regulator
SPRY1	sprouty RTK signaling antagonist 1	<i>SPRY1</i>	1.2	Cytoplasm	other
A2M	alpha-2-macroglobulin	<i>A2M</i>	1.2	Extracellular Space	transporter
NAE1	NEDD8 activating enzyme E1 subunit 1	<i>Nae1</i>	1.2	Cytoplasm	enzyme
TPI1P1	triosephosphate isomerase 1 pseudogene 1	<i>TPI1P1</i>	1.2	Other	other
ZDHHC17	zinc finger DHHC-type palmitoyltransferase 17	<i>ZDHHC17</i>	1.2	Cytoplasm	enzyme
MRPS9	mitochondrial ribosomal protein S9	<i>MRPS9</i>	1.2	Cytoplasm	other
PDE4D	phosphodiesterase 4D	<i>PDE4D</i>	1.2	Cytoplasm	enzyme
HDAC2	histone deacetylase 2	<i>HDAC2</i>	1.2	Nucleus	transcription regulator
TXNRD1	thioredoxin reductase 1	<i>TXNRD1</i>	1.2	Cytoplasm	enzyme
MMP17	matrix metalloproteinase 17	<i>MMP17</i>	1.2	Extracellular Space	peptidase
DCP1B	decapping mRNA 1B	<i>DCP1B</i>	1.2	Cytoplasm	other
SIKE1	suppressor of IKBKE 1	<i>SIKE1</i>	1.2	Cytoplasm	other
CD69	CD69 molecule	<i>CD69</i>	1.2	Plasma membrane	transmembrane receptor
ZNF197	zinc finger protein 197	<i>ZNF197</i>	1.2	Nucleus	transcription regulator
KDM3A	lysine demethylase 3A	<i>KDM3A</i>	1.2	Nucleus	transcription regulator
RPUSD3	RNA pseudouridine synthase D3	<i>Rpsud3</i>	1.2	Cytoplasm	other

TNMD	tenomodulin	<i>Tnmd</i>	1.2	Plasma membrane	other
TSPAN31	tetraspanin 31	<i>Tspan31</i>	1.2	Plasma membrane	other
RNF25	ring finger protein 25	<i>RNF25</i>	1.2	Nucleus	transcription regulator
SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	<i>SMARCA1</i>	1.2	Nucleus	transcription regulator
NUP210L	nucleoporin 210 like	<i>NUP210L</i>	1.2	Other	other
CYP2C18	cytochrome P450 family 2 subfamily C member 18	<i>CYP2C18</i>	1.2	Cytoplasm	enzyme
ATP13A1	ATPase 13A1	<i>ATP13A1</i>	1.2	Extracellular Space	transporter
SRSF1	serine and arginine rich splicing factor 1	<i>SFRS1</i>	1.2	Nucleus	other
TSPAN3	tetraspanin 3	<i>TSPAN3</i>	1.2	Plasma membrane	other
SLC24A4	solute carrier family 24 member 4	<i>Slc24a4</i>	1.2	Plasma membrane	transporter
LRIF1	ligand dependent nuclear receptor interacting factor 1	<i>Clorf103</i>	1.2	Nucleus	other
SEC61A1	SEC61 translocon subunit alpha 1	<i>SEC61A1</i>	1.2	Cytoplasm	transporter
STX8	syntaxin 8	<i>Stx8</i>	1.2	Plasma membrane	other
EDEM2	ER degradation enhancing alpha-mannosidase like protein 2	<i>EDEM2</i>	1.2	Cytoplasm	enzyme
KIFC3	kinesin family member C3	<i>Kifc3</i>	1.2	Cytoplasm	enzyme
PNPLA6	patatin like phospholipase domain containing 6	<i>PNPLA6</i>	1.2	Cytoplasm	enzyme
RNF183	ring finger protein 183	<i>Rnf183</i>	1.2	Cytoplasm	enzyme
RNASEH2A	ribonuclease H2 subunit A	<i>RNASEH2A</i>	1.2	Nucleus	enzyme
ALG9	ALG9 alpha-1,2-mannosyltransferase	<i>ALG9</i>	1.2	Cytoplasm	enzyme
PRKCZ	protein kinase C zeta	<i>Prkcz</i>	1.2	Cytoplasm	kinase
RHOG	ras homologue family member G	<i>RHOG</i>	1.2	Cytoplasm	enzyme
PRKCG	protein kinase C gamma	<i>PRKCG</i>	1.2	Cytoplasm	kinase
MRPS15	mitochondrial ribosomal protein S15	<i>MRPS15</i>	1.2	Cytoplasm	other
PSMG2	proteasome assembly chaperone 2	<i>Psmg2</i>	1.2	Nucleus	other
MED13L	mediator complex subunit 13L	<i>Med13l</i>	1.2	Nucleus	other
RGPD4 (includes others)	RANBP2 like and GRIP domain containing 5	<i>Ranbp2</i>	1.2	Nucleus	enzyme
ANK3	ankyrin 3	<i>ANK3</i>	1.2	Plasma membrane	other
TMEM39B	transmembrane protein 39B	<i>TMEM39B</i>	1.2	Cytoplasm	other
GADD45A	growth arrest and DNA damage inducible alpha	<i>GADD45A</i>	1.2	Nucleus	other
YES1	YES proto-oncogene 1, Src family tyrosine kinase	<i>YES1</i>	1.2	Cytoplasm	kinase
TRAPPC6A	trafficking protein particle complex subunit 6A	<i>TRAPPC6A</i>	1.2	Cytoplasm	other
KRT13	keratin 13	<i>KRT13</i>	1.2	Cytoplasm	other
GIPC2	GIPC PDZ domain containing family member 2	<i>GIPC2</i>	1.2	Cytoplasm	other
ZNF653	zinc finger protein 653	<i>ZNF653</i>	1.2	Other	transcription regulator
BOP1	BOP1 ribosomal biogenesis factor	<i>BOP1</i>	1.2	Nucleus	other
OCEL1	occludin/ELL domain containing 1	<i>OCEL1</i>	1.2	Other	other
MTREX	Mtr4 exosome RNA helicase	<i>SKIV2L2</i>	1.2	Nucleus	enzyme
ZNF567	zinc finger protein 567	<i>ZNF567</i>	1.2	Nucleus	transcription regulator
CALN1	calneuron 1	<i>CALN1</i>	1.2	Cytoplasm	other
APRT	adenine phosphoribosyltransferase	<i>Aprt</i>	1.2	Cytoplasm	enzyme
ACER3	alkaline ceramidase 3	<i>ACER3</i>	1.2	Cytoplasm	enzyme

MRPS26	mitochondrial ribosomal protein S26	<i>MRPS26</i>	1.2	Cytoplasm	other
ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	<i>ST3GAL1</i>	1.2	Cytoplasm	enzyme
KLHL41	kelch like family member 41	<i>KBTBD10</i>	1.2	Cytoplasm	other
IL7	interleukin 7	<i>IL7</i>	1.2	Extracellular Space	cytokine
VRK3	VRK serine/threonine kinase 3	<i>VRK3</i>	1.2	Nucleus	kinase
MOSPD1	motile sperm domain containing 1	<i>MOSPD1</i>	1.2	Other	other
RAB3B	RAB3B, member RAS oncogene family	<i>RAB3B</i>	1.2	Cytoplasm	enzyme
RETREG1	reticulophagy regulator 1	<i>FAM134B</i>	1.2	Cytoplasm	other
ATP6V1A	ATPase H+ transporting V1 subunit A	<i>Atp6v1a</i>	1.2	Plasma membrane	transporter
FCGBP	Fc fragment of IgG binding protein	<i>FCGBP</i>	1.2	Extracellular Space	other
TPBG	trophoblast glycoprotein	<i>TPBG</i>	1.2	Plasma membrane	other
RAB14	RAB14, member RAS oncogene family	<i>Rab14</i>	1.2	Cytoplasm	enzyme
DLK2	delta like non-canonical Notch ligand 2	<i>DLK2</i>	1.2	Extracellular Space	other
THAP2	THAP domain containing 2	<i>Thap2</i>	1.2	Nucleus	transcription regulator
TMEM161B	transmembrane protein 161B	<i>TMEM161B</i>	1.2	Plasma membrane	other
REN	renin	<i>REN</i>	1.2	Extracellular Space	peptidase
MFN2	mitofusin 2	<i>MFN2</i>	1.2	Cytoplasm	enzyme
CYSTM1	cysteine rich transmembrane module containing 1	<i>C5orf32</i>	1.2	Cytoplasm	other
CCDC181	coiled-coil domain containing 181	<i>C1orf114</i>	1.2	Nucleus	other
CDK16	cyclin dependent kinase 16	<i>CDK16</i>	1.2	Cytoplasm	kinase
GALNT1	polypeptide N-acetylgalactosaminyltransferase 1	<i>GALNT1</i>	1.2	Cytoplasm	enzyme
TSC1	TSC complex subunit 1	<i>TSC1</i>	1.2	Cytoplasm	other
ABCB7	ATP binding cassette subfamily B member 7	<i>ABCB7</i>	1.2	Cytoplasm	transporter
MUSK	muscle associated receptor tyrosine kinase	<i>MUSK</i>	1.2	Plasma membrane	kinase
TAF6L	TATA-box binding protein associated factor 6 like	<i>TAF6L</i>	1.2	Nucleus	transcription regulator
PMPCB	peptidase, mitochondrial processing subunit beta	<i>PMPCB</i>	1.2	Cytoplasm	peptidase
MYH3	myosin heavy chain 3	<i>Myh3</i>	1.2	Cytoplasm	enzyme
ACP2	acid phosphatase 2, lysosomal	<i>ACP2</i>	1.2	Cytoplasm	phosphatase
UQCRC1	ubiquinol-cytochrome c reductase core protein 1	<i>Uqcrc1</i>	1.2	Cytoplasm	enzyme
RAB11FIP3	RAB11 family interacting protein 3	<i>RAB11FIP3</i>	1.2	Cytoplasm	other
DOCK6	dedicator of cytokinesis 6	<i>Dock6</i>	1.2	Cytoplasm	other
STAMBPL1	STAM binding protein like 1	<i>STAMBPL1</i>	1.2	Cytoplasm	enzyme
MPC2	mitochondrial pyruvate carrier 2	<i>BRP44</i>	1.2	Plasma membrane	transporter
HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	<i>HNRNPA0</i>	1.2	Nucleus	other
MOV10L1	Mov10 like RISC complex RNA helicase 1	<i>Mov10l1</i>	1.2	Nucleus	enzyme
TMEM14C	transmembrane protein 14C	<i>TMEM14C</i>	1.2	Plasma membrane	other
PDCD10	programmed cell death 10	<i>PDCD10</i>	1.2	Cytoplasm	other
CYP4F2	cytochrome P450 family 4 subfamily F member 2	<i>CYP4F2</i>	1.2	Cytoplasm	enzyme
OSTCP1	oligosaccharyltransferase complex subunit pseudogene 1	<i>OSTCL</i>	1.2	Other	other
LRRN1	leucine rich repeat neuronal 1	<i>LRRN1</i>	1.2	Other	other
TRIM3	tripartite motif containing 3	<i>Trim3</i>	1.2	Cytoplasm	enzyme
DERL2	derlin 2	<i>Derl2</i>	1.2	Cytoplasm	other
MYOF	myoferlin	<i>Myof</i>	1.2	Nucleus	other
ATP5F1A	ATP synthase F1 subunit alpha	<i>Atp5a1</i>	1.2	Cytoplasm	transporter

PTK2	protein tyrosine kinase 2	<i>PTK2</i>	1.2	Cytoplasm	kinase
VASH1	vasohibin 1	<i>Vash1</i>	1.2	Extracellular Space	peptidase
CHAMP1	chromosome alignment maintaining phosphoprotein 1	<i>ZNF828</i>	1.2	Nucleus	other
SSBP4	single stranded DNA binding protein 4	<i>SSBP4</i>	1.2	Nucleus	transcription regulator
CLIC1	chloride intracellular channel 1	<i>CLIC1</i>	1.2	Nucleus	ion channel
KLHDC1	kelch domain containing 1	<i>Klhdc1</i>	1.2	Cytoplasm	other
RPL18	ribosomal protein L18	<i>RPL18</i>	1.2	Cytoplasm	other
CRYGS	crystallin gamma S	<i>CRYGS</i>	1.2	Other	other
AMZ2	archaelysin family metallopeptidase 2	<i>Amz2</i>	1.2	Other	other
WDR76	WD repeat domain 76	<i>WDR76</i>	1.2	Nucleus	other
PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	<i>PAPSS2</i>	1.2	Cytoplasm	enzyme
ANKRD2	ankyrin repeat domain 2	<i>ANKRD2</i>	1.2	Nucleus	transcription regulator
NAV3	neuron navigator 3	<i>NAV3</i>	1.2	Nucleus	other
NFIC	nuclear factor I C	<i>NFIC</i>	1.2	Nucleus	transcription regulator
TOMM20	translocase of outer mitochondrial membrane 20	<i>TOMM20</i>	1.2	Cytoplasm	transporter
KDM6A	lysine demethylase 6A	<i>Kdm6a</i>	1.2	Nucleus	enzyme
NDUFA4	NDUFA4 mitochondrial complex associated	<i>Ndufa4</i>	1.2	Cytoplasm	enzyme
MPDZ	multiple PDZ domain crumbs cell polarity complex component	<i>MPDZ</i>	1.2	Plasma membrane	other
YPEL5	yippee like 5	<i>YPEL5</i>	1.2	Nucleus	other
TSSC4	tumor suppressing subtransferable candidate 4	<i>Tssc4</i>	1.2	Other	other
IGF2BP1	insulin like growth factor 2 mRNA binding protein 1	<i>IGF2BP1</i>	1.2	Cytoplasm	translation regulator
HHIPL1	HHIP like 1	<i>HHIPL1</i>	1.2	Other	other
IGSF1	immunoglobulin superfamily member 1	<i>IGSF1</i>	1.2	Plasma membrane	other
CYP27A1	cytochrome P450 family 27 subfamily A member 1	<i>Cyp27a1</i>	1.2	Cytoplasm	enzyme
B4GALNT1	beta-1,4-N-acetyl-galactosaminyltransferase 1	<i>B4GALNT1</i>	1.2	Cytoplasm	enzyme
ATP2A2	ATPase sarcoplasmic/endoplasmic reticulum Ca ²⁺ transporting 2	<i>ATP2A2</i>	1.2	Cytoplasm	transporter
PI4K2A	phosphatidylinositol 4-kinase type 2 alpha	<i>PI4K2A</i>	1.2	Cytoplasm	kinase
CCSER2	coiled-coil serine rich protein 2	<i>FAM190B</i>	1.2	Other	other
PHKB	phosphorylase kinase regulatory subunit beta	<i>Phkb</i>	1.2	Cytoplasm	kinase
EIF4G3	eukaryotic translation initiation factor 4 gamma 3	<i>Eif4g3</i>	1.2	Cytoplasm	translation regulator
BPNT2	3'(2'), 5'-bisphosphate nucleotidase 2	<i>IMPAD1</i>	1.2	Cytoplasm	enzyme
NELL1	neural EGFL like 1	<i>Nell1</i>	1.2	Extracellular Space	growth factor
CALR	calreticulin	<i>CALR</i>	1.1	Cytoplasm	transcription regulator
COQ3	coenzyme Q3, methyltransferase	<i>COQ3</i>	1.1	Cytoplasm	enzyme
DAD1	defender against cell death 1	<i>DAD1</i>	1.1	Cytoplasm	other
CREB3L1	cAMP responsive element binding protein 3 like 1	<i>CREB3L1</i>	1.1	Nucleus	transcription regulator
SMIM29	small integral membrane protein 29	<i>C6orf1</i>	1.1	Other	other
EIF1AD	eukaryotic translation initiation factor 1A domain containing	<i>Eif1ad</i>	1.1	Nucleus	other
DCAF12	DDB1 and CUL4 associated factor 12	<i>DCAF12</i>	1.1	Cytoplasm	other
COPS5	COP9 signalosome subunit 5	<i>Cops5</i>	1.1	Nucleus	transcription regulator
RNASE6	ribonuclease A family member k6	<i>RNASE6</i>	1.1	Extracellular Space	enzyme
RTN3	reticulon 3	<i>RTN3</i>	1.1	Cytoplasm	other

KAT6B	lysine acetyltransferase 6B	<i>MYST4</i>	1.1	Nucleus	enzyme
SH2D3A	SH2 domain containing 3A	<i>SH2D3A</i>	1.1	Cytoplasm	other
UTP23	UTP23 small subunit processome component	<i>UTP23</i>	1.1	Other	other
CLASRP	CLK4 associating serine/arginine rich protein	<i>SFRS16</i>	1.1	Nucleus	other
FABP1	fatty acid binding protein 1	<i>FABP1</i>	1.1	Cytoplasm	transporter
PENK	proenkephalin	<i>Penk</i>	1.1	Extracellular Space	other
PPA2	inorganic pyrophosphatase 2	<i>PPA2</i>	1.1	Cytoplasm	enzyme
B9D1	B9 domain containing 1	<i>B9D1</i>	1.1	Plasma membrane	other
ESR1	estrogen receptor 1	<i>Esr1</i>	1.1	Nucleus	ligand-dependent nuclear receptor
MAP7D1	MAP7 domain containing 1	<i>MAP7D1</i>	1.1	Cytoplasm	other
PAIP2	poly(A) binding protein interacting protein 2	<i>Paip2</i>	1.1	Cytoplasm	translation regulator
AMH	anti-Mullerian hormone	<i>Amh</i>	1.1	Extracellular Space	growth factor
DET1	DET1 partner of COP1 E3 ubiquitin ligase	<i>DET1</i>	1.1	Nucleus	other
PIGN	phosphatidylinositol glycan anchor biosynthesis class N	<i>Pign</i>	1.1	Cytoplasm	enzyme
LCORL	ligand dependent nuclear receptor corepressor like	<i>LCORL</i>	1.1	Nucleus	transcription regulator
FBXW2	F-box and WD repeat domain containing 2	<i>FBXW2</i>	1.1	Cytoplasm	enzyme
HDAC6	histone deacetylase 6	<i>HDAC6</i>	1.1	Nucleus	transcription regulator
SLC22A1	solute carrier family 22 member 1	<i>SLC22A1</i>	1.1	Plasma membrane	transporter
RHPN2P1	rhophilin Rho GTPase binding protein 2 pseudogene 1	<i>RHPN2P1</i>	1.1	Other	other
SDE2	SDE2 telomere maintenance homologue	<i>C1orf55</i>	1.1	Nucleus	other
SLC26A6	solute carrier family 26 member 6	<i>Slc26a6</i>	1.1	Cytoplasm	transporter
SOX4	SRY-box transcription factor 4	<i>Sox4</i>	1.1	Nucleus	transcription regulator
TOMM70	translocase of outer mitochondrial membrane 70	<i>TOMM70A</i>	1.1	Cytoplasm	transporter
SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	<i>SMARCA4</i>	1.1	Nucleus	transcription regulator
VPS36	vacuolar protein sorting 36 homologue	<i>VPS36</i>	1.1	Cytoplasm	other
PRDM1	PR/SET domain 1	<i>PRDM1</i>	1.1	Nucleus	transcription regulator
EFNA1	ephrin A1	<i>EFNA1</i>	1.1	Plasma membrane	other
CFAP20DC	CFAP20 domain containing	<i>C3orf67</i>	1.1	Other	other
ADNP	activity dependent neuroprotector homeobox	<i>ADNP</i>	1.1	Nucleus	transcription regulator
BAMBI	BMP and activin membrane bound inhibitor	<i>BAMBI</i>	1.1	Plasma membrane	other
SLC7A9	solute carrier family 7 member 9	<i>Slc7a9</i>	1.1	Plasma membrane	transporter
RAB33B	RAB33B, member RAS oncogene family	<i>RAB33B</i>	1.1	Cytoplasm	enzyme
MTMR9	myotubularin related protein 9	<i>Mtmr9</i>	1.1	Cytoplasm	phosphatase
MAST2	microtubule associated serine/threonine kinase 2	<i>MAST2</i>	1.1	Cytoplasm	kinase
SFT2D3	SFT2 domain containing 3	<i>Sft2d3</i>	1.1	Other	other
TSC22D4	TSC22 domain family member 4	<i>TSC22D4</i>	1.1	Nucleus	transcription regulator
BACE2	beta-secretase 2	<i>BACE2</i>	1.1	Cytoplasm	peptidase
KLHDC8A	kelch domain containing 8A	<i>Klhdc8a</i>	1.1	Other	other
PTCRA	pre T cell antigen receptor alpha	<i>PTCRA</i>	1.1	Plasma membrane	other
ACSL4	acyl-CoA synthetase long chain family member 4	<i>Acs14</i>	1.1	Cytoplasm	enzyme
PLCD1	phospholipase C delta 1	<i>Plcd1</i>	1.1	Cytoplasm	enzyme

PI4KA	phosphatidylinositol 4-kinase alpha	<i>PI4KA</i>	1.1	Cytoplasm	kinase
LPL	lipoprotein lipase	<i>Lpl</i>	1.1	Cytoplasm	enzyme
EIF5B	eukaryotic translation initiation factor 5B	<i>Eif5b</i>	1.1	Cytoplasm	translation regulator
FBH1	F-box DNA helicase 1	<i>FBXO18</i>	1.1	Nucleus	enzyme
ANAPC1	anaphase promoting complex subunit 1	<i>ANAPC1</i>	1.1	Nucleus	other
NCDN	neurochondrin	<i>Ncdn</i>	1.1	Cytoplasm	other
CELA3B	chymotrypsin like elastase 3B	<i>CELA3B</i>	1.1	Other	peptidase
MAPRE1	microtubule associated protein RP/EB family member 1	<i>Mapre1</i>	1.1	Cytoplasm	other
LDLR	low density lipoprotein receptor	<i>Ldlr</i>	1.1	Plasma membrane	transporter
EEF1B2	eukaryotic translation elongation factor 1 beta 2	<i>Eef1b2</i>	1.1	Cytoplasm	translation regulator
DLL1	delta like canonical Notch ligand 1	<i>DLL1</i>	1.1	Plasma membrane	enzyme
CLEC14A	C-type lectin domain containing 14A	<i>Clec14a</i>	-1.1	Cytoplasm	other
MTO1	mitochondrial tRNA translation optimization 1	<i>Mto1</i>	-1.1	Cytoplasm	enzyme
PTPN12	protein tyrosine phosphatase non-receptor type 12	<i>PTPN12</i>	-1.1	Cytoplasm	phosphatase
PAMR1	peptidase domain containing associated with muscle regeneration 1	<i>PAMR1</i>	-1.1	Extracellular Space	peptidase
GPR162	G protein-coupled receptor 162	<i>GPR162</i>	-1.1	Plasma membrane	G-protein coupled receptor
NT5DC2	5'-nucleotidase domain containing 2	<i>NT5DC2</i>	-1.1	Cytoplasm	other
UCHL5	ubiquitin C-terminal hydrolase L5	<i>UCHL5</i>	-1.1	Cytoplasm	peptidase
SV2A	synaptic vesicle glycoprotein 2A	<i>SV2A</i>	-1.1	Cytoplasm	other
CFTR	CF transmembrane conductance regulator	<i>CFTR</i>	-1.1	Plasma membrane	ion channel
CDK13	cyclin dependent kinase 13	<i>CDK13</i>	-1.1	Nucleus	kinase
DENND4A	DENN domain containing 4A	<i>DENND4A</i>	-1.1	Nucleus	other
SNUPN	snurportin 1	<i>Snupn</i>	-1.1	Nucleus	other
TASP1	taspase 1	<i>TASP1</i>	-1.1	Nucleus	peptidase
AAR2	AAR2 splicing factor	<i>C20orf4</i>	-1.1	Other	other
RBM5	RNA binding motif protein 5	<i>RBM5</i>	-1.1	Nucleus	other
GPR1	G protein-coupled receptor 1	<i>GPR1</i>	-1.1	Plasma membrane	G-protein coupled receptor
ARL4C	ADP ribosylation factor like GTPase 4C	<i>Arl4c</i>	-1.1	Nucleus	enzyme
TMEM171	transmembrane protein 171	<i>Tmem171</i>	-1.1	Other	other
ABCB6	ATP binding cassette subfamily B member 6 (Langereis blood group)	<i>ABCB6</i>	-1.1	Cytoplasm	transporter
HPRT1	hypoxanthine phosphoribosyltransferase 1	<i>HPRT1</i>	-1.1	Cytoplasm	enzyme
ATP4A	ATPase H ⁺ /K ⁺ transporting subunit alpha	<i>ATP4A</i>	-1.1	Plasma membrane	transporter
DTWD1	DTW domain containing 1	<i>DTWD1</i>	-1.1	Nucleus	enzyme
BCS1L	BCS1 homologue, ubiquinol-cytochrome c reductase complex chaperone	<i>BCS1L</i>	-1.1	Cytoplasm	other
NFX1	nuclear transcription factor, X-box binding 1	<i>NFX1</i>	-1.1	Nucleus	transcription regulator
FAM126B	family with sequence similarity 126 member B	<i>FAM126B</i>	-1.1	Other	other
PDHX	pyruvate dehydrogenase complex component X	<i>PDHX</i>	-1.1	Cytoplasm	enzyme
PRDX1	peroxiredoxin 1	<i>PRDX1</i>	-1.1	Cytoplasm	enzyme
UBA2	ubiquitin like modifier activating enzyme 2	<i>UBA2</i>	-1.1	Cytoplasm	enzyme
CNPPD1	cyclin Pas1/PHO80 domain containing 1	<i>C2orf24</i>	-1.1	Other	other
BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B	<i>BUB1B</i>	-1.1	Nucleus	kinase
CDC40	cell division cycle 40	<i>Cdc40</i>	-1.1	Nucleus	other

PPP2R5B	protein phosphatase 2 regulatory subunit B'beta	<i>PPP2R5B</i>	-1.1	Cytoplasm	phosphatase
PPP3CB	protein phosphatase 3 catalytic subunit beta	<i>PPP3CB</i>	-1.1	Plasma membrane	phosphatase
PCBP1	poly(rC) binding protein 1	<i>Pcbp1</i>	-1.1	Nucleus	translation regulator
CNMD	chondromodulin	<i>LECT1</i>	-1.1	Extracellular Space	other
CD1B	CD1b molecule	<i>CD1B</i>	-1.1	Plasma membrane	other
ITSN1	intersectin 1	<i>ITSN1</i>	-1.1	Cytoplasm	other
TCF12	transcription factor 12	<i>TCF12</i>	-1.1	Nucleus	transcription regulator
MAPK1IP1L	mitogen-activated protein kinase 1 interacting protein 1 like	<i>MAPK1IP1L</i>	-1.1	Nucleus	other
GMPR2	guanosine monophosphate reductase 2	<i>GMPR2</i>	-1.1	Cytoplasm	enzyme
COLEC12	collectin subfamily member 12	<i>Colec12</i>	-1.1	Plasma membrane	transmembrane receptor
MCM3AP	minichromosome maintenance complex component 3 associated protein	<i>MCM3AP</i>	-1.1	Nucleus	enzyme
NCSTN	nicastatin	<i>NCSTN</i>	-1.1	Plasma membrane	peptidase
UXS1	UDP-glucuronate decarboxylase 1	<i>UXS1</i>	-1.1	Cytoplasm	enzyme
ALG3	ALG3 alpha-1,3-mannosyltransferase	<i>ALG3</i>	-1.1	Cytoplasm	enzyme
AKAP11	A-kinase anchoring protein 11	<i>AKAP11</i>	-1.1	Cytoplasm	other
RNF144A	ring finger protein 144A	<i>Rnf144a</i>	-1.1	Nucleus	enzyme
CAP1	cyclase associated actin cytoskeleton regulatory protein 1	<i>CAP1</i>	-1.1	Plasma membrane	other
AGO3	argonaute RISC catalytic component 3	<i>EIF2C3</i>	-1.1	Cytoplasm	translation regulator
LINGO1	leucine rich repeat and Ig domain containing 1	<i>LINGO1</i>	-1.1	Plasma membrane	other
COPS4	COP9 signalosome subunit 4	<i>COPS4</i>	-1.1	Cytoplasm	peptidase
NRN1	neuritin 1	<i>NRN1</i>	-1.1	Cytoplasm	other
CSDE1	cold shock domain containing E1	<i>CSDE1</i>	-1.1	Cytoplasm	enzyme
SRPK2	SRSF protein kinase 2	<i>SRPK2</i>	-1.1	Nucleus	kinase
MIIP	migration and invasion inhibitory protein	<i>MIIP</i>	-1.1	Other	other
CDK2AP2	cyclin dependent kinase 2 associated protein 2	<i>CDK2AP2</i>	-1.1	Nucleus	other
ITGA7	integrin subunit alpha 7	<i>ITGA7</i>	-1.1	Plasma membrane	other
GIT2	GIT ArfGAP 2	<i>GIT2</i>	-1.1	Nucleus	other
STIMATE	STIM activating enhancer	<i>TMEM110</i>	-1.1	Cytoplasm	other
SCG5	secretogranin V	<i>SCG5</i>	-1.1	Extracellular Space	other
ARID4A	AT-rich interaction domain 4A	<i>ARID4A</i>	-1.1	Nucleus	transcription regulator
GJB4	gap junction protein beta 4	<i>GJB4</i>	-1.1	Plasma membrane	transporter
THOC5	THO complex 5	<i>Thoc5</i>	-1.1	Cytoplasm	other
RPL7A	ribosomal protein L7a	<i>Rpl7a</i>	-1.1	Cytoplasm	other
MARS2	methionyl-tRNA synthetase 2, mitochondrial	<i>MARS2</i>	-1.1	Cytoplasm	enzyme
COG8	component of oligomeric golgi complex 8	<i>COG8</i>	-1.1	Cytoplasm	transporter
TEAD2	TEA domain transcription factor 2	<i>TEAD2</i>	-1.1	Nucleus	transcription regulator
NPM1	nucleophosmin 1	<i>Npm1</i>	-1.1	Nucleus	transcription regulator
CEP43	centrosomal protein 43	<i>FGFR1OP</i>	-1.1	Cytoplasm	other
EYA1	EYA transcriptional coactivator and phosphatase 1	<i>Eya1</i>	-1.1	Nucleus	phosphatase
SLC25A15	solute carrier family 25 member 15	<i>SLC25A15</i>	-1.1	Cytoplasm	transporter

PLS1	plastin 1	<i>PLS1</i>	-1.1	Plasma membrane	other
NEMF	nuclear export mediator factor	<i>SDCCAG1</i>	-1.1	Nucleus	other
STOML2	stomatin like 2	<i>Stoml2</i>	-1.1	Plasma membrane	other
MAPK10	mitogen-activated protein kinase 10	<i>MAPK10</i>	-1.1	Cytoplasm	kinase
HNRNPD	heterogeneous nuclear ribonucleoprotein D	<i>HNRNPD</i>	-1.1	Nucleus	transcription regulator
INKA1	inka box actin regulator 1	<i>C3orf54</i>	-1.1	Cytoplasm	other
VPS13B	vacuolar protein sorting 13 homologue B	<i>VPS13B</i>	-1.1	Nucleus	transporter
MYO10	myosin X	<i>Myo10</i>	-1.1	Cytoplasm	enzyme
HRC	histidine rich calcium binding protein	<i>HRC</i>	-1.1	Cytoplasm	other
MAGED2	MAGE family member D2	<i>MAGED2</i>	-1.1	Plasma membrane	other
CTSH	cathepsin H	<i>CTSH</i>	-1.1	Cytoplasm	peptidase
ZIC2	Zic family member 2	<i>ZIC2</i>	-1.1	Nucleus	transcription regulator
DRAP1	DR1 associated protein 1	<i>DRAP1</i>	-1.1	Nucleus	transcription regulator
PNN	pinin, desmosome associated protein	<i>PNN</i>	-1.1	Plasma membrane	other
KIRREL2	kirre like nephrin family adhesion molecule 2	<i>Kirrel2</i>	-1.1	Plasma membrane	other
MRPS34	mitochondrial ribosomal protein S34	<i>MRPS34</i>	-1.1	Cytoplasm	other
PDZK1	PDZ domain containing 1	<i>Pdzk1</i>	-1.1	Plasma membrane	other
TMSB4XP8	TMSB4X pseudogene 8	<i>TMSL3</i>	-1.1	Other	other
CTTNBP2NL	CTTNBP2 N-terminal like	<i>CTTNBP2NL</i>	-1.1	Cytoplasm	other
ABHD14A	abhydrolase domain containing 14A	<i>ABHD14A</i>	-1.1	Cytoplasm	enzyme
RNF126	ring finger protein 126	<i>RNF126</i>	-1.1	Other	enzyme
TRIP6	thyroid hormone receptor interactor 6	<i>TRIP6</i>	-1.1	Extracellular Space	cytokine
TMEM40	transmembrane protein 40	<i>TMEM40</i>	-1.1	Other	other
RANBP9	RAN binding protein 9	<i>RANBP9</i>	-1.1	Nucleus	other
DSG4	desmoglein 4	<i>Dsg4</i>	-1.1	Plasma membrane	other
SMTNL2	smoothelin like 2	<i>SMTNL2</i>	-1.2	Other	other
ATP6V0A4	ATPase H+ transporting V0 subunit a4	<i>ATP6V0A4</i>	-1.2	Cytoplasm	transporter
YIF1A	Yip1 interacting factor homologue A, membrane trafficking protein	<i>YIF1A</i>	-1.2	Cytoplasm	other
COL5A2	collagen type V alpha 2 chain	<i>Col5a2</i>	-1.2	Extracellular Space	other
VAC14	VAC14 component of PIKFYVE complex	<i>VAC14</i>	-1.2	Cytoplasm	other
DHRS3	dehydrogenase/reductase 3	<i>Dhrs3</i>	-1.2	Cytoplasm	enzyme
HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	<i>Hnrnpab</i>	-1.2	Nucleus	enzyme
CELF4	CUGBP Elav-like family member 4	<i>Celf4</i>	-1.2	Nucleus	translation regulator
PCNX4	pecanex 4	<i>C14orf135</i>	-1.2	Other	other
TM7SF3	transmembrane 7 superfamily member 3	<i>TM7SF3</i>	-1.2	Plasma membrane	other
HAUS1	HAUS augmin like complex subunit 1	<i>Haus1</i>	-1.2	Nucleus	other
ZC3H7A	zinc finger CCCH-type containing 7A	<i>ZC3H7A</i>	-1.2	Extracellular Space	other
MEPCE	methylphosphate capping enzyme	<i>Mepce</i>	-1.2	Nucleus	enzyme
ATP5F1B	ATP synthase F1 subunit beta	<i>ATP5B</i>	-1.2	Cytoplasm	transporter
SMOX	spermine oxidase	<i>SMOX</i>	-1.2	Cytoplasm	enzyme
NSF	N-ethylmaleimide sensitive factor, vesicle fusing ATPase	<i>Nsf</i>	-1.2	Cytoplasm	transporter
SCAF1	SR-related CTD associated factor 1	<i>SCAF1</i>	-1.2	Extracellular Space	other
SPICE1	spindle and centriole associated protein 1	<i>CCDC52</i>	-1.2	Cytoplasm	other

Ttf1	transcription termination factor, RNA polymerase I	<i>Ttf1</i>	-1.2	Nucleus	other
CBX1	chromobox 1	<i>CBX1</i>	-1.2	Nucleus	transcription regulator
MRPL22	mitochondrial ribosomal protein L22	<i>MRPL22</i>	-1.2	Cytoplasm	other
EIF2B4	eukaryotic translation initiation factor 2B subunit delta	<i>EIF2B4</i>	-1.2	Cytoplasm	translation regulator
DNASE1L3	deoxyribonuclease 1 like 3	<i>DNASE1L3</i>	-1.2	Nucleus	enzyme
HK3	hexokinase 3	<i>HK3</i>	-1.2	Cytoplasm	kinase
GRSF1	G-rich RNA sequence binding factor 1	<i>Grsf1</i>	-1.2	Cytoplasm	other
ZFYVE27	zinc finger FYVE-type containing 27	<i>ZFYVE27</i>	-1.2	Plasma membrane	other
CTSC	cathepsin C	<i>CTSC</i>	-1.2	Cytoplasm	peptidase
CLCN4	chloride voltage-gated channel 4	<i>CLCN4</i>	-1.2	Plasma membrane	ion channel
RAB4B	RAB4B, member RAS oncogene family	<i>RAB4B</i>	-1.2	Plasma membrane	enzyme
PGA5 (includes others)	pepsinogen A4	<i>PGA5</i>	-1.2	Extracellular Space	peptidase
SEC63	SEC63 homologue, protein translocation regulator	<i>SEC63</i>	-1.2	Cytoplasm	transporter
FKBP7	FKBP prolyl isomerase 7	<i>FKBP7</i>	-1.2	Cytoplasm	enzyme
ACTG2	actin gamma 2, smooth muscle	<i>Actg2</i>	-1.2	Cytoplasm	other
PARP16	poly(ADP-ribose) polymerase family member 16	<i>PARP16</i>	-1.2	Cytoplasm	enzyme
BSDC1	BSD domain containing 1	<i>BSDC1</i>	-1.2	Other	other
PSMC5	proteasome 26S subunit, ATPase 5	<i>PSMC5</i>	-1.2	Nucleus	transcription regulator
C10orf88	chromosome 10 open reading frame 88	<i>C10orf88</i>	-1.2	Other	enzyme
CBX7	chromobox 7	<i>CBX7</i>	-1.2	Nucleus	other
CTCF	CCCTC-binding factor	<i>CTCF</i>	-1.2	Nucleus	transcription regulator
QTRT1	queuine tRNA-ribosyltransferase catalytic subunit 1	<i>Qtrt1</i>	-1.2	Cytoplasm	enzyme
SHC3	SHC adaptor protein 3	<i>SHC3</i>	-1.2	Cytoplasm	kinase
HIPK4	homeodomain interacting protein kinase 4	<i>HIPK4</i>	-1.2	Cytoplasm	kinase
NTS	neurotensin	<i>Nts</i>	-1.2	Extracellular Space	other
HIF1A	hypoxia inducible factor 1 subunit alpha	<i>HIF1A</i>	-1.2	Nucleus	transcription regulator
EXOSC5	exosome component 5	<i>EXOSC5</i>	-1.2	Nucleus	enzyme
PSMA1	proteasome 20S subunit alpha 1	<i>PSMA1</i>	-1.2	Cytoplasm	peptidase
DYNC1LI2	dynein cytoplasmic 1 light intermediate chain 2	<i>DYNC1LI2</i>	-1.2	Cytoplasm	other
LRRC1	leucine rich repeat containing 1	<i>LRRC1</i>	-1.2	Cytoplasm	other
POLR1G	RNA polymerase I subunit G	<i>CD3EAP</i>	-1.2	Nucleus	other
LPCAT3	lysophosphatidylcholine acyltransferase 3	<i>Lpcat3</i>	-1.2	Plasma membrane	enzyme
DPYSL2	dihydropyrimidinase like 2	<i>Dpysl2</i>	-1.2	Cytoplasm	enzyme
RRM2B	ribonucleotide reductase regulatory TP53 inducible subunit M2B	<i>Rrm2b</i>	-1.2	Nucleus	enzyme
PRICKLE4	prickle planar cell polarity protein 4	<i>PRICKLE4</i>	-1.2	Other	other
ICAM3	intercellular adhesion molecule 3	<i>ICAM3</i>	-1.2	Plasma membrane	transmembrane receptor
BRMS1	BRMS1 transcriptional repressor and anoikis regulator	<i>Brms1</i>	-1.2	Nucleus	transcription regulator
TSEN54	tRNA splicing endonuclease subunit 54	<i>TSEN54</i>	-1.2	Nucleus	enzyme
CD40LG	CD40 ligand	<i>CD40LG</i>	-1.2	Extracellular Space	cytokine
LTB4R	leukotriene B4 receptor	<i>LTB4R</i>	-1.2	Plasma membrane	G-protein coupled receptor
AURKB	aurora kinase B	<i>AURKB</i>	-1.2	Nucleus	kinase
BICD2	BICD cargo adaptor 2	<i>BICD2</i>	-1.2	Cytoplasm	other
GNAI3	G protein subunit alpha i3	<i>GNAI3</i>	-1.2	Cytoplasm	enzyme

DGKD	diacylglycerol kinase delta	<i>DGKD</i>	-1.2	Cytoplasm	kinase
ITGA10	integrin subunit alpha 10	<i>ITGA10</i>	-1.2	Plasma membrane	other
HBB	hemoglobin subunit beta	<i>HBB</i>	-1.2	Cytoplasm	transporter
ZNF143	zinc finger protein 143	<i>ZNF143</i>	-1.2	Nucleus	transcription regulator
SH3GL3	SH3 domain containing GRB2 like 3, endophilin A3	<i>SH3GL3</i>	-1.2	Cytoplasm	other
PPP2R1A	protein phosphatase 2 scaffold subunit Aalpha	<i>PPP2R1A</i>	-1.2	Cytoplasm	phosphatase
ALDH2	aldehyde dehydrogenase 2 family member	<i>ALDH2</i>	-1.2	Cytoplasm	enzyme
SUCLA2	succinate-CoA ligase ADP-forming subunit beta	<i>SUCLA2</i>	-1.2	Cytoplasm	enzyme
RNF113A	ring finger protein 113A	<i>RNF113A</i>	-1.2	Extracellular Space	enzyme
TNIP1	TNFAIP3 interacting protein 1	<i>Tnip1</i>	-1.2	Nucleus	other
PRUNE1	prune exopolyphosphatase 1	<i>PRUNE</i>	-1.2	Nucleus	enzyme
HSPB2	heat shock protein family B (small) member 2	<i>Hspb2</i>	-1.2	Cytoplasm	other
NOP16	NOP16 nucleolar protein	<i>NOP16</i>	-1.2	Nucleus	other
GHR	growth hormone receptor	<i>GHR</i>	-1.2	Plasma membrane	transmembrane receptor
GPR61	G protein-coupled receptor 61	<i>Gpr61</i>	-1.2	Plasma membrane	G-protein coupled receptor
MST1	macrophage stimulating 1	<i>MST1</i>	-1.2	Extracellular Space	growth factor
LYPLA2	lysophospholipase 2	<i>LYPLA2</i>	-1.2	Cytoplasm	enzyme
RAD54L2	RAD54 like 2	<i>RAD54L2</i>	-1.2	Nucleus	transcription regulator
NOL4L	nucleolar protein 4 like	<i>C20orf112</i>	-1.2	Other	other
EWSR1	EWS RNA binding protein 1	<i>EWSR1</i>	-1.2	Nucleus	other
OPALIN	oligodendrocytic myelin paranodal and inner loop protein	<i>OPALIN</i>	-1.2	Cytoplasm	other
PPP1R3C	protein phosphatase 1 regulatory subunit 3C	<i>Ppp1r3c</i>	-1.2	Cytoplasm	phosphatase
DNAJB6	DnaJ heat shock protein family (Hsp40) member B6	<i>DNAJB6</i>	-1.2	Nucleus	transcription regulator
TRNT1	tRNA nucleotidyl transferase 1	<i>TRNT1</i>	-1.2	Cytoplasm	enzyme
COX16	cytochrome c oxidase assembly factor COX16	<i>COX16</i>	-1.2	Cytoplasm	other
MYBL2	MYB proto-oncogene like 2	<i>MYBL2</i>	-1.2	Nucleus	transcription regulator
SSX2IP	SSX family member 2 interacting protein	<i>SSX2IP</i>	-1.2	Plasma membrane	other
KIRREL1	kirre like nephrin family adhesion molecule 1	<i>KIRREL</i>	-1.2	Plasma membrane	other
LMAN1	lectin, mannose binding 1	<i>Lman1</i>	-1.2	Cytoplasm	other
DOCK2	dedicator of cytokinesis 2	<i>DOCK2</i>	-1.2	Cytoplasm	other
NTRK1	neurotrophic receptor tyrosine kinase 1	<i>NTRK1</i>	-1.2	Plasma membrane	kinase
GJA1	gap junction protein alpha 1	<i>GJA1</i>	-1.2	Plasma membrane	transporter
MLH3	mutL homologue 3	<i>MLH3</i>	-1.2	Nucleus	other
HSF2BP	heat shock transcription factor 2 binding protein	<i>HSF2BP</i>	-1.2	Cytoplasm	other
ATG13	autophagy related 13	<i>KIAA0652</i>	-1.2	Cytoplasm	other
GAS2	growth arrest specific 2	<i>Gas2</i>	-1.2	Cytoplasm	other
FAM89B	family with sequence similarity 89 member B	<i>FAM89B</i>	-1.2	Cytoplasm	other
ATF4	activating transcription factor 4	<i>ATF4</i>	-1.2	Nucleus	transcription regulator
GAD2	glutamate decarboxylase 2	<i>GAD2</i>	-1.2	Cytoplasm	enzyme
LXN	latexin	<i>LXN</i>	-1.2	Cytoplasm	other
SVIL	supervillin	<i>SVIL</i>	-1.2	Plasma membrane	other
GKAP1	G kinase anchoring protein 1	<i>Gkap1</i>	-1.2	Cytoplasm	other
ALDOA	aldolase, fructose-bisphosphate A	<i>ALDOA</i>	-1.2	Cytoplasm	enzyme
GMDS	GDP-mannose 4,6-dehydratase	<i>Gmids</i>	-1.2	Cytoplasm	enzyme
ANKRA2	ankyrin repeat family A member 2	<i>ANKRA2</i>	-1.2	Cytoplasm	transcription regulator

ELL3	elongation factor for RNA polymerase II 3	<i>ELL3</i>	-1.2	Nucleus	transcription regulator
ZDHHC23	zinc finger DHHC-type palmitoyltransferase 23	<i>ZDHHC23</i>	-1.2	Other	other
NUDT16	nudix hydrolase 16	<i>Nudt16</i>	-1.2	Nucleus	enzyme
GABARAPL2	GABA type A receptor associated protein like 2	<i>GABARAPL2</i>	-1.2	Cytoplasm	other
NCOA7	nuclear receptor coactivator 7	<i>NCOA7</i>	-1.2	Nucleus	transcription regulator
MOB4	MOB family member 4, phocein	<i>MOBKL3</i>	-1.2	Cytoplasm	other
PLBD1	phospholipase B domain containing 1	<i>Pldb1</i>	-1.2	Cytoplasm	enzyme
ELAVL3	ELAV like RNA binding protein 3	<i>ELAVL3</i>	-1.2	Nucleus	other
R3HDM2	R3H domain containing 2	<i>R3HDM2</i>	-1.2	Nucleus	other
KRT19	keratin 19	<i>KRT19</i>	-1.2	Cytoplasm	other
CDK7	cyclin dependent kinase 7	<i>CDK7</i>	-1.2	Nucleus	kinase
DDX24	DEAD-box helicase 24	<i>DDX24</i>	-1.2	Nucleus	enzyme
PLEKHA4	pleckstrin homologue domain containing A4	<i>Plekha4</i>	-1.2	Cytoplasm	other
GGT5	gamma-glutamyltransferase 5	<i>GGT5</i>	-1.2	Plasma membrane	enzyme
CD2BP2	CD2 cytoplasmic tail binding protein 2	<i>CD2BP2</i>	-1.2	Cytoplasm	other
ZNF24	zinc finger protein 24	<i>ZNF24</i>	-1.2	Nucleus	transcription regulator
SELENBP1	selenium binding protein 1	<i>SELENBP1</i>	-1.2	Cytoplasm	other
PRKACA	protein kinase cAMP-activated catalytic subunit alpha	<i>PRKACA</i>	-1.2	Cytoplasm	kinase
SRPX2	sushi repeat containing protein X-linked 2	<i>SRPX2</i>	-1.2	Cytoplasm	other
FOXJ2	forkhead box J2	<i>FOXJ2</i>	-1.2	Nucleus	transcription regulator
CA9	carbonic anhydrase 9	<i>CA9</i>	-1.2	Nucleus	enzyme
ACSL5	acyl-CoA synthetase long chain family member 5	<i>ACSL5</i>	-1.2	Cytoplasm	enzyme
USP30	ubiquitin specific peptidase 30	<i>Usp30</i>	-1.2	Cytoplasm	peptidase
KIAA0825	KIAA0825	<i>C5orf36</i>	-1.2	Extracellular Space	other
MDK	midkine	<i>Mdk</i>	-1.2	Extracellular Space	growth factor
STXBP1	syntaxin binding protein 1	<i>STXBP1</i>	-1.2	Cytoplasm	transporter
ECD	ecdysoneless cell cycle regulator	<i>ECD</i>	-1.2	Nucleus	transcription regulator
CCDC80	coiled-coil domain containing 80	<i>Ccdc80</i>	-1.2	Nucleus	other
EXOC2	exocyst complex component 2	<i>Exoc2</i>	-1.2	Cytoplasm	transporter
SCAMP1	secretory carrier membrane protein 1	<i>SCAMP1</i>	-1.2	Cytoplasm	transporter
TDRD3	tudor domain containing 3	<i>TDRD3</i>	-1.2	Nucleus	transcription regulator
KLHL3	kelch like family member 3	<i>KLHL3</i>	-1.2	Cytoplasm	other
NCF4	neutrophil cytosolic factor 4	<i>Ncf4</i>	-1.2	Cytoplasm	enzyme
DOK1	docking protein 1	<i>Dok1</i>	-1.2	Plasma membrane	kinase
PRCC	proline rich mitotic checkpoint control factor	<i>PRCC</i>	-1.2	Nucleus	other
MYO1B	myosin IB	<i>MYO1B</i>	-1.2	Cytoplasm	other
EGR4	early growth response 4	<i>Egr4</i>	-1.2	Nucleus	transcription regulator
FREM1	FRAS1 related extracellular matrix 1	<i>FREM1</i>	-1.2	Extracellular Space	other
EML3	EMAP like 3	<i>EML3</i>	-1.2	Cytoplasm	other
CXCL12	C-X-C motif chemokine ligand 12	<i>CXCL12</i>	-1.2	Extracellular Space	cytokine
ADGRB2	adhesion G protein-coupled receptor B2	<i>BAI2</i>	-1.2	Plasma membrane	G-protein coupled receptor
STK3	serine/threonine kinase 3	<i>Stk3</i>	-1.2	Cytoplasm	kinase
ACTR1A	actin related protein 1A	<i>ACTR1A</i>	-1.2	Cytoplasm	other
TAF11	TATA-box binding protein associated factor 11	<i>TAF11</i>	-1.2	Nucleus	transcription regulator

NEU3	neuraminidase 3	<i>Neu3</i>	-1.2	Plasma membrane	enzyme
UBE2E3	ubiquitin conjugating enzyme E2 E3	<i>Ube2e3</i>	-1.2	Nucleus	enzyme
TLE1	TLE family member 1, transcriptional corepressor	<i>TLE1</i>	-1.2	Nucleus	transcription regulator
TIMM17B	translocase of inner mitochondrial membrane 17B	<i>TIMM17B</i>	-1.2	Cytoplasm	transporter
ALDH18A1	aldehyde dehydrogenase 18 family member A1	<i>ALDH18A1</i>	-1.2	Cytoplasm	kinase
IGFBP5	insulin like growth factor binding protein 5	<i>IGFBP5</i>	-1.2	Extracellular Space	other
EVC2	EvC ciliary complex subunit 2	<i>EVC2</i>	-1.2	Extracellular Space	other
DDRGK1	DDRGK domain containing 1	<i>DDRGK1</i>	-1.2	Extracellular Space	other
PSMD1	proteasome 26S subunit, non-ATPase 1	<i>PSMD1</i>	-1.2	Cytoplasm	other
ZDHHC18	zinc finger DHHC-type palmitoyltransferase 18	<i>ZDHHC18</i>	-1.2	Cytoplasm	enzyme
HSPD1	heat shock protein family D (Hsp60) member 1	<i>HSPD1</i>	-1.2	Cytoplasm	enzyme
MIDEAS	mitotic deacetylase associated SANT domain protein	<i>C14orf43</i>	-1.2	Nucleus	transcription regulator
CXXC5	CXXC finger protein 5	<i>CXXC5</i>	-1.2	Nucleus	other
FBXO6	F-box protein 6	<i>FBXO6</i>	-1.2	Cytoplasm	other
TPCN1	two pore segment channel 1	<i>Tpcn1</i>	-1.2	Plasma membrane	ion channel
CHGA	chromogranin A	<i>CHGA</i>	-1.2	Cytoplasm	other
CCNH	cyclin H	<i>CCNH</i>	-1.2	Nucleus	transcription regulator
RSRC1	arginine and serine rich coiled-coil 1	<i>RSRC1</i>	-1.2	Nucleus	other
SLC35C2	solute carrier family 35 member C2	<i>SLC35C2</i>	-1.2	Cytoplasm	transporter
ARID1B	AT-rich interaction domain 1B	<i>ARID1B</i>	-1.2	Nucleus	transcription regulator
TNC	tenascin C	<i>TNC</i>	-1.2	Extracellular Space	other
AP3B2	adaptor related protein complex 3 subunit beta 2	<i>AP3B2</i>	-1.2	Cytoplasm	other
LTBR	lymphotoxin beta receptor	<i>LTBR</i>	-1.2	Plasma membrane	transmembrane receptor
WWC2	WW and C2 domain containing 2	<i>Wwc2</i>	-1.2	Cytoplasm	other
GK	glycerol kinase	<i>GK</i>	-1.2	Cytoplasm	kinase
LCAT	lecithin-cholesterol acyltransferase	<i>LCAT</i>	-1.2	Extracellular Space	enzyme
MCM7	minichromosome maintenance complex component 7	<i>MCM7</i>	-1.2	Nucleus	enzyme
LGALS1	galectin 1	<i>LGALS1</i>	-1.2	Extracellular Space	other
WNT5A	Wnt family member 5A	<i>WNT5A</i>	-1.2	Extracellular Space	cytokine
KHDRBS3	KH RNA binding domain containing, signal transduction associated 3	<i>KHDRBS3</i>	-1.2	Nucleus	other
SLC39A2	solute carrier family 39 member 2	<i>SLC39A2</i>	-1.2	Plasma membrane	transporter
MYG1	MYG1 exonuclease	<i>C12orf10</i>	-1.2	Nucleus	other
ELOVL5	ELOVL fatty acid elongase 5	<i>Elov5</i>	-1.2	Cytoplasm	enzyme
MPZ	myelin protein zero	<i>MPZ</i>	-1.2	Plasma membrane	other
ALDH1A3	aldehyde dehydrogenase 1 family member A3	<i>ALDH1A3</i>	-1.2	Cytoplasm	enzyme
P2RY6	pyrimidinergic receptor P2Y6	<i>P2ry6</i>	-1.2	Plasma membrane	G-protein coupled receptor
TXLNG	taxilin gamma	<i>CXorf15</i>	-1.2	Nucleus	other
DTNA	dystrobrevin alpha	<i>Dtna</i>	-1.2	Plasma membrane	other
OSBPL2	oxysterol binding protein like 2	<i>OSBPL2</i>	-1.2	Cytoplasm	transporter
CWF19L1	CWF19 like cell cycle control factor 1	<i>CWF19L1</i>	-1.2	Other	other

MEIS1	Meis homeobox 1	<i>MEIS1</i>	-1.2	Nucleus	transcription regulator
CTDSP2	CTD small phosphatase 2	<i>CTDSP2</i>	-1.2	Nucleus	phosphatase
DHDDS	dehydrodolichyl diphosphate synthase subunit	<i>DHDDS</i>	-1.2	Cytoplasm	enzyme
GANAB	glucosidase II alpha subunit	<i>GANAB</i>	-1.2	Cytoplasm	enzyme
SYNGR3	synaptogyrin 3	<i>Syng3</i>	-1.2	Plasma membrane	other
FBXL6	F-box and leucine rich repeat protein 6	<i>FBXL6</i>	-1.2	Other	enzyme
CAMKK1	calcium/calmodulin dependent protein kinase kinase 1	<i>Camkk1</i>	-1.2	Cytoplasm	kinase
TRAF3	TNF receptor associated factor 3	<i>TRAF3</i>	-1.2	Cytoplasm	enzyme
CITED2	Cbp/p3 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2	<i>Cited2</i>	-1.2	Nucleus	transcription regulator
NDUFS4	NADH:ubiquinone oxidoreductase subunit S4	<i>NDUFS4</i>	-1.2	Cytoplasm	enzyme
RGS14	regulator of G protein signaling 14	<i>RGS14</i>	-1.2	Cytoplasm	enzyme
MAGOH	mago homologue, exon junction complex subunit	<i>MAGOH</i>	-1.2	Nucleus	other
DDX28	DEAD-box helicase 28	<i>Ddx28</i>	-1.2	Nucleus	enzyme
AMOTL2	angiominin like 2	<i>Amotl2</i>	-1.2	Plasma membrane	other
EIF3M	eukaryotic translation initiation factor 3 subunit M	<i>EIF3M</i>	-1.2	Cytoplasm	translation regulator
SLC12A2	solute carrier family 12 member 2	<i>SLC12A2</i>	-1.2	Plasma membrane	transporter
CHI3L1	chitinase 3 like 1	<i>CHI3L1</i>	-1.2	Extracellular Space	enzyme
SIA1	S1 calcium binding protein A1	<i>SIA1</i>	-1.2	Cytoplasm	other
VAV3	vav guanine nucleotide exchange factor 3	<i>VAV3</i>	-1.2	Extracellular Space	cytokine
PIGU	phosphatidylinositol glycan anchor biosynthesis class U	<i>PIGU</i>	-1.2	Cytoplasm	enzyme
PTMA	prothymosin alpha	<i>PTMA</i>	-1.2	Nucleus	other
MKRN3	makorin ring finger protein 3	<i>Mkrn3</i>	-1.2	Nucleus	enzyme
ZNF18	zinc finger protein 18	<i>ZNF18</i>	-1.2	Nucleus	transcription regulator
DCTN2	dynactin subunit 2	<i>DCTN2</i>	-1.2	Cytoplasm	other
BTD	biotinidase	<i>BTD</i>	-1.2	Extracellular Space	enzyme
COQ9	coenzyme Q9	<i>Coq9</i>	-1.2	Cytoplasm	other
MYOT	myotilin	<i>MYOT</i>	-1.2	Cytoplasm	other
ZDHHC4	zinc finger DHHC-type palmitoyltransferase 4	<i>ZDHHC4</i>	-1.2	Cytoplasm	other
BACE1	beta-secretase 1	<i>BACE1</i>	-1.2	Cytoplasm	peptidase
SCAMP5	secretory carrier membrane protein 5	<i>Scamp5</i>	-1.2	Cytoplasm	other
ARHGAP29	Rho GTPase activating protein 29	<i>ARHGAP29</i>	-1.2	Cytoplasm	other
ODC1	ornithine decarboxylase 1	<i>ODC1</i>	-1.2	Cytoplasm	enzyme
GYS1	glycogen synthase 1	<i>GYS1</i>	-1.2	Cytoplasm	enzyme
BBC3	BCL2 binding component 3	<i>BBC3</i>	-1.2	Cytoplasm	other
METTL9	methyltransferase like 9	<i>METTL9</i>	-1.2	Cytoplasm	enzyme
CNOT4	CCR4-NOT transcription complex subunit 4	<i>CNOT4</i>	-1.2	Cytoplasm	enzyme
ITGB3	integrin subunit beta 3	<i>ITGB3</i>	-1.2	Plasma membrane	transmembrane receptor
TP53BP1	tumor protein p53 binding protein 1	<i>TP53BP1</i>	-1.2	Nucleus	transcription regulator
PSEN1	presenilin 1	<i>Psen1</i>	-1.2	Plasma membrane	peptidase
SLC4A2	solute carrier family 4 member 2	<i>SLC4A2</i>	-1.2	Plasma membrane	transporter
COL6A3	collagen type VI alpha 3 chain	<i>Col6a3</i>	-1.2	Extracellular Space	other
PHB2	prohibitin 2	<i>PHB2</i>	-1.2	Cytoplasm	transcription regulator
P4HA2	prolyl 4-hydroxylase subunit alpha 2	<i>P4HA2</i>	-1.2	Cytoplasm	transporter

PAOX	polyamine oxidase	<i>PAOX</i>	-1.3	Cytoplasm	enzyme
RPS5	ribosomal protein S5	<i>Rps5</i>	-1.3	Cytoplasm	other
SORL1	sortilin related receptor 1	<i>SORL1</i>	-1.3	Cytoplasm	transporter
SH3GLB2	SH3 domain containing GRB2 like, endophilin B2	<i>Sh3glb2</i>	-1.3	Cytoplasm	other
SPAST	spastin	<i>SPAST</i>	-1.3	Nucleus	enzyme
CTSG	cathepsin G	<i>CTSG</i>	-1.3	Cytoplasm	peptidase
CPEB1	cytoplasmic polyadenylation element binding protein 1	<i>CPEB1</i>	-1.3	Cytoplasm	translation regulator
DNAJC22	DnaJ heat shock protein family (Hsp40) member C22	<i>DNAJC22</i>	-1.3	Other	other
B4GALT7	beta-1,4-galactosyltransferase 7	<i>B4GALT7</i>	-1.3	Cytoplasm	enzyme
LEO1	LEO1 homologue, Paf1/RNA polymerase II complex component	<i>LEO1</i>	-1.3	Nucleus	other
MARCKSL1	MARCKS like 1	<i>MARCKSL1</i>	-1.3	Cytoplasm	other
TCP1	t-complex 1	<i>TCP1</i>	-1.3	Cytoplasm	other
HEBP2	heme binding protein 2	<i>HEBP2</i>	-1.3	Cytoplasm	other
NSMCE4A	NSE4 homologue A, SMC5-SMC6 complex component	<i>NSMCE4A</i>	-1.3	Nucleus	other
GLG1	golgi glycoprotein 1	<i>GLG1</i>	-1.3	Cytoplasm	other
TRIAP1	TP53 regulated inhibitor of apoptosis 1	<i>TRIAP1</i>	-1.3	Cytoplasm	other
LRRCC1	leucine rich repeat and coiled-coil centrosomal protein 1	<i>LRRCC1</i>	-1.3	Nucleus	transporter
SH2D1A	SH2 domain containing 1A	<i>Sh2d1a</i>	-1.3	Cytoplasm	other
FBXW11	F-box and WD repeat domain containing 11	<i>Fbxw11</i>	-1.3	Cytoplasm	enzyme
HMGNI	high mobility group nucleosome binding domain 1	<i>HMGNI</i>	-1.3	Nucleus	transcription regulator
ALOX5	arachidonate 5-lipoxygenase	<i>ALOX5</i>	-1.3	Cytoplasm	enzyme
APOB	apolipoprotein B	<i>ApoB</i>	-1.3	Extracellular Space	transporter
EFHC2	EF-hand domain containing 2	<i>EFHC2</i>	-1.3	Cytoplasm	other
SLC38A11	solute carrier family 38 member 11	<i>SLC38A11</i>	-1.3	Other	transporter
G3BP2	G3BP stress granule assembly factor 2	<i>G3BP2</i>	-1.3	Cytoplasm	enzyme
NRXN2	neurexin 2	<i>NRXN2</i>	-1.3	Plasma membrane	transporter
NUP85	nucleoporin 85	<i>NUP85</i>	-1.3	Cytoplasm	other
AAMP	angio associated migratory cell protein	<i>AAMP</i>	-1.3	Plasma membrane	other
DHX40	DEAH-box helicase 40	<i>DHX40</i>	-1.3	Other	enzyme
IDH3B	isocitrate dehydrogenase (NAD(+)) 3 non-catalytic subunit beta	<i>IDH3B</i>	-1.3	Cytoplasm	enzyme
RASGRP4	RAS guanyl releasing protein 4	<i>RASGRP4</i>	-1.3	Cytoplasm	other
IFI27L2	interferon alpha inducible protein 27 like 2	<i>IFI27L2</i>	-1.3	Cytoplasm	other
RIPK2	receptor interacting serine/threonine kinase 2	<i>RIPK2</i>	-1.3	Plasma membrane	kinase
UROD	uroporphyrinogen decarboxylase	<i>Urod</i>	-1.3	Cytoplasm	enzyme
MAGED4/MAGED4B	MAGE family member D4B	<i>MAGED4</i>	-1.3	Other	other
TMEM94	transmembrane protein 94	<i>KIAA0195</i>	-1.3	Extracellular Space	other
PAPOLA	poly(A) polymerase alpha	<i>Papola</i>	-1.3	Nucleus	enzyme
TMEM42	transmembrane protein 42	<i>TMEM42</i>	-1.3	Other	other
PEX14	peroxisomal biogenesis factor 14	<i>Pex14</i>	-1.3	Cytoplasm	transcription regulator
ARHGDI1A	Rho GDP dissociation inhibitor alpha	<i>ARHGDI1A</i>	-1.3	Cytoplasm	other
FIS1	fission, mitochondrial 1	<i>FIS1</i>	-1.3	Cytoplasm	other
POGZ	pogo transposable element derived with ZNF domain	<i>POGZ</i>	-1.3	Nucleus	enzyme
CMTM8	CKLF like MARVEL transmembrane domain containing 8	<i>CMTM8</i>	-1.3	Extracellular Space	cytokine
TRIP4	thyroid hormone receptor interactor 4	<i>TRIP4</i>	-1.3	Nucleus	transcription regulator
PPP6C	protein phosphatase 6 catalytic subunit	<i>PPP6C</i>	-1.3	Nucleus	phosphatase

UPF2	UPF2 regulator of nonsense mediated mRNA decay	<i>Upf2</i>	-1.3	Cytoplasm	other
SERTAD1	SERTA domain containing 1	<i>Sertad1</i>	-1.3	Nucleus	transcription regulator
PMEL	premelanosome protein	<i>SILV</i>	-1.3	Plasma membrane	enzyme
CHCHD1	coiled-coil-helix-coiled-coil-helix domain containing 1	<i>Chchd1</i>	-1.3	Nucleus	other
MEN1	menin 1	<i>MEN1</i>	-1.3	Nucleus	transcription regulator
RPLP2	ribosomal protein lateral stalk subunit P2	<i>Rplp2</i>	-1.3	Cytoplasm	other
MLH1	mutL homologue 1	<i>MLH1</i>	-1.3	Nucleus	enzyme
LDB1	LIM domain binding 1	<i>LDB1</i>	-1.3	Nucleus	transcription regulator
POU4F1	POU class 4 homeobox 1	<i>POU4F1</i>	-1.3	Nucleus	transcription regulator
FAM184A	family with sequence similarity 184 member A	<i>FAM184A</i>	-1.3	Extracellular Space	other
HOXC10	homeobox C10	<i>HOXC10</i>	-1.3	Nucleus	transcription regulator
ERAP2	endoplasmic reticulum aminopeptidase 2	<i>ERAP2</i>	-1.3	Cytoplasm	peptidase
LAMB1	laminin subunit beta 1	<i>LAMB1</i>	-1.3	Extracellular Space	other
BBX	BBX high mobility group box domain containing	<i>Bbx</i>	-1.3	Nucleus	transcription regulator
DICER1	dicer 1, ribonuclease III	<i>DICER1</i>	-1.3	Cytoplasm	enzyme
SYF2	SYF2 pre-mRNA splicing factor	<i>Syf2</i>	-1.3	Nucleus	other
HSPB8	heat shock protein family B (small) member 8	<i>HSPB8</i>	-1.3	Cytoplasm	kinase
CFL2	cofilin 2	<i>Cfl2</i>	-1.3	Extracellular Space	other
CASP3	caspase 3	<i>Casp3</i>	-1.3	Cytoplasm	peptidase
LIPT1	lipoyltransferase 1	<i>LIPT1</i>	-1.3	Cytoplasm	enzyme
MET	MET proto-oncogene, receptor tyrosine kinase	<i>MET</i>	-1.3	Plasma membrane	kinase
SRM	spermidine synthase	<i>SRM</i>	-1.3	Cytoplasm	enzyme
NSRP1	nuclear speckle splicing regulatory protein 1	<i>CCDC55</i>	-1.3	Nucleus	other
GTF3A	general transcription factor IIIA	<i>GTF3A</i>	-1.3	Nucleus	transcription regulator
CALCOCO1	calcium binding and coiled-coil domain 1	<i>CALCOCO1</i>	-1.3	Nucleus	transcription regulator
BCL7C	BAF chromatin remodeling complex subunit BCL7C	<i>Bcl7c</i>	-1.3	Nucleus	other
ASCC2	activating signal cointegrator 1 complex subunit 2	<i>ASCC2</i>	-1.3	Nucleus	other
TCP11	t-complex 11	<i>Tcp11</i>	-1.3	Cytoplasm	other
TMCO6	transmembrane and coiled-coil domains 6	<i>TMCO6</i>	-1.3	Other	other
CLTC	clathrin heavy chain	<i>CLTC</i>	-1.3	Plasma membrane	other
DNAJC27	DnaJ heat shock protein family (Hsp40) member C27	<i>DNAJC27</i>	-1.3	Cytoplasm	enzyme
TRAP1	TNF receptor associated protein 1	<i>Trap1</i>	-1.3	Cytoplasm	enzyme
TEP1	telomerase associated protein 1	<i>TEP1</i>	-1.3	Nucleus	enzyme
MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	<i>MFNG</i>	-1.3	Cytoplasm	enzyme
CUEDC1	CUE domain containing 1	<i>CUEDC1</i>	-1.3	Other	other
FAM214B	family with sequence similarity 214 member B	<i>KIAA1539</i>	-1.3	Nucleus	other
EPHX2	epoxide hydrolase 2	<i>Ephx2</i>	-1.3	Cytoplasm	enzyme
COQ10A	coenzyme Q10A	<i>COQ10A</i>	-1.3	Cytoplasm	other
VAV1	vav guanine nucleotide exchange factor 1	<i>VAV1</i>	-1.3	Nucleus	transcription regulator
BRWD1	bromodomain and WD repeat domain containing 1	<i>BRWD1</i>	-1.3	Nucleus	transcription regulator
ZNF607	zinc finger protein 607	<i>ZNF607</i>	-1.3	Nucleus	transcription regulator

STRADA	STE20 related adaptor alpha	<i>STRADA</i>	-1.3	Nucleus	kinase
AVP11	arginine vasopressin induced 1	<i>AVP11</i>	-1.3	Other	other
ITPRID2	ITPR interacting domain containing 2	<i>SSFA2</i>	-1.3	Plasma membrane	other
RBM6	RNA binding motif protein 6	<i>RBM6</i>	-1.3	Nucleus	other
CPSF1	cleavage and polyadenylation specific factor 1	<i>CPSF1</i>	-1.3	Nucleus	other
NFIB	nuclear factor I B	<i>NFIB</i>	-1.3	Nucleus	transcription regulator
C1QTNF2	C1q and TNF related 2	<i>C1QTNF2</i>	-1.3	Extracellular Space	other
MUS81	MUS81 structure-specific endonuclease subunit	<i>MUS81</i>	-1.3	Nucleus	enzyme
FOXF1	forkhead box F1	<i>FOXF1</i>	-1.3	Nucleus	transcription regulator
MICAL1	microtubule associated monooxygenase, calponin and LIM domain containing 1	<i>MICAL1</i>	-1.3	Cytoplasm	enzyme
SEC24B	SEC24 homologue B, COPII coat complex component	<i>SEC24B</i>	-1.3	Cytoplasm	transporter
ARMCX5-GPRASP2/GPRASP2	G protein-coupled receptor associated sorting protein 2	<i>GPRASP2</i>	-1.3	Plasma membrane	other
RRAS2	RAS related 2	<i>RRAS2</i>	-1.3	Plasma membrane	enzyme
PIR	pirin	<i>PIR</i>	-1.3	Nucleus	transcription regulator
COG5	component of oligomeric golgi complex 5	<i>COG5</i>	-1.3	Cytoplasm	transporter
ARID4B	AT-rich interaction domain 4B	<i>ARID4B</i>	-1.3	Nucleus	transcription regulator
Zranb2	zinc finger, RAN-binding domain containing 2	<i>Zranb2</i>	-1.3	Nucleus	other
CNBP	CCHC-type zinc finger nucleic acid binding protein	<i>CNBP</i>	-1.3	Nucleus	transcription regulator
C1QTNF7	C1q and TNF related 7	<i>C1qtnf7</i>	-1.3	Extracellular Space	other
ABI3BP	ABI family member 3 binding protein	<i>ABI3BP</i>	-1.3	Extracellular Space	other
MRPL19	mitochondrial ribosomal protein L19	<i>MRPL19</i>	-1.3	Cytoplasm	other
ZDHHC13	zinc finger DHHC-type palmitoyltransferase 13	<i>ZDHHC13</i>	-1.3	Nucleus	transcription regulator
DNMT3A	DNA methyltransferase 3 alpha	<i>DNMT3A</i>	-1.3	Nucleus	enzyme
CLTB	clathrin light chain B	<i>Cltb</i>	-1.3	Plasma membrane	other
PAK1IP1	PAK1 interacting protein 1	<i>PAK1IP1</i>	-1.3	Nucleus	other
ZNF182	zinc finger protein 182	<i>ZNF182</i>	-1.3	Nucleus	transcription regulator
CXXC1	CXXC finger protein 1	<i>Cxxc1</i>	-1.3	Nucleus	transcription regulator
NSD1	nuclear receptor binding SET domain protein 1	<i>NSD1</i>	-1.3	Nucleus	transcription regulator
GALK1	galactokinase 1	<i>Galk1</i>	-1.3	Cytoplasm	kinase
LHFPL6	LHFPL tetraspan subfamily member 6	<i>LHFPL6</i>	-1.3	Other	other
OSBPL8	oxysterol binding protein like 8	<i>OSBPL8</i>	-1.3	Plasma membrane	transporter
TAC1	tachykinin precursor 1	<i>TAC1</i>	-1.3	Extracellular Space	other
NCALD	neurocalcin delta	<i>NCALD</i>	-1.3	Cytoplasm	other
BANF1	BAF nuclear assembly factor 1	<i>BANF1</i>	-1.3	Nucleus	other
SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	<i>SRGAP3</i>	-1.3	Cytoplasm	other
RASSF2	Ras association domain family member 2	<i>RASSF2</i>	-1.3	Nucleus	kinase
FOXO3	forkhead box O3	<i>FOXO3</i>	-1.3	Nucleus	transcription regulator
WBP11	WW domain binding protein 11	<i>WBP11</i>	-1.3	Nucleus	phosphatase
KMT2E	lysine methyltransferase 2E (inactive)	<i>MLL5</i>	-1.3	Nucleus	enzyme
GTF2A2	general transcription factor IIA subunit 2	<i>Gtf2a2</i>	-1.3	Nucleus	transcription regulator

HERC2	HECT and RLD domain containing E3 ubiquitin protein ligase 2	<i>HERC2</i>	-1.3	Cytoplasm	enzyme
LRRC57	leucine rich repeat containing 57	<i>Lrrc57</i>	-1.3	Cytoplasm	other
COPS3	COP9 signalosome subunit 3	<i>Cops3</i>	-1.3	Cytoplasm	other
STK4	serine/threonine kinase 4	<i>STK4</i>	-1.3	Cytoplasm	kinase
MTRF1	mitochondrial translation release factor 1	<i>MTRF1</i>	-1.3	Cytoplasm	translation regulator
SEPHS2	selenophosphate synthetase 2	<i>SEPHS2</i>	-1.3	Cytoplasm	enzyme
S1G	S1 calcium binding protein G	<i>S1G</i>	-1.3	Cytoplasm	other
THOC6	THO complex 6	<i>THOC6</i>	-1.3	Nucleus	other
HTR4	5-hydroxytryptamine receptor 4	<i>HTR4</i>	-1.3	Plasma membrane	G-protein coupled receptor
HR	HR lysine demethylase and nuclear receptor corepressor	<i>HR</i>	-1.3	Nucleus	transcription regulator
GRAP2	GRB2 related adaptor protein 2	<i>GRAP2</i>	-1.3	Cytoplasm	other
RNF41	ring finger protein 41	<i>Rnf41</i>	-1.3	Cytoplasm	enzyme
ANXA1	annexin A1	<i>ANXA1</i>	-1.3	Plasma membrane	enzyme
FBLN1	fibulin 1	<i>FBLN1</i>	-1.3	Extracellular Space	other
SELENOW	selenoprotein W	<i>SEPW1</i>	-1.3	Cytoplasm	enzyme
SIPA1L1	signal induced proliferation associated 1 like 1	<i>SIPA1L1</i>	-1.3	Cytoplasm	other
NUDCD2	NudC domain containing 2	<i>NUDCD2</i>	-1.3	Cytoplasm	other
GNG3	G protein subunit gamma 3	<i>GNG3</i>	-1.3	Plasma membrane	enzyme
GGH	gamma-glutamyl hydrolase	<i>GGH</i>	-1.3	Cytoplasm	peptidase
DCAF4	DDB1 and CUL4 associated factor 4	<i>DCAF4</i>	-1.3	Nucleus	other
PLPP6	phospholipid phosphatase 6	<i>PPAPDC2</i>	-1.3	Plasma membrane	phosphatase
APIAR	adaptor related protein complex 1 associated regulatory protein	<i>APIAR</i>	-1.3	Cytoplasm	other
ZNF8	zinc finger protein 8	<i>ZNF8</i>	-1.3	Other	other
ZNF180	zinc finger protein 180	<i>ZNF180</i>	-1.4	Nucleus	transcription regulator
GSTA4	glutathione S-transferase alpha 4	<i>GSTA4</i>	-1.4	Cytoplasm	enzyme
CDC42EP3	CDC42 effector protein 3	<i>CDC42EP3</i>	-1.4	Cytoplasm	other
PHLDB2	pleckstrin homologue like domain family B member 2	<i>PHLDB2</i>	-1.4	Cytoplasm	other
ARL15	ADP ribosylation factor like GTPase 15	<i>ARL15</i>	-1.4	Cytoplasm	other
STIL	STIL centriolar assembly protein	<i>STIL</i>	-1.4	Nucleus	other
M1AP	meiosis 1 associated protein	<i>C2orf65</i>	-1.4	Cytoplasm	other
PDE9A	phosphodiesterase 9A	<i>PDE9A</i>	-1.4	Cytoplasm	enzyme
NEIL1	nei like DNA glycosylase 1	<i>NEIL1</i>	-1.4	Nucleus	enzyme
INTS14	integrator complex subunit 14	<i>C15orf44</i>	-1.4	Cytoplasm	other
TG	thyroglobulin	<i>Tg</i>	-1.4	Extracellular Space	other
USP12	ubiquitin specific peptidase 12	<i>USP12</i>	-1.4	Cytoplasm	peptidase
HDAC8	histone deacetylase 8	<i>Hdac8</i>	-1.4	Nucleus	transcription regulator
HDAC10	histone deacetylase 10	<i>Hdac10</i>	-1.4	Nucleus	transcription regulator
UBXN8	UBX domain protein 8	<i>UBXN8</i>	-1.4	Cytoplasm	other
COX4I1	cytochrome c oxidase subunit 4I1	<i>COX4I1</i>	-1.4	Cytoplasm	enzyme
BEX2	brain expressed X-linked 2	<i>BEX2</i>	-1.4	Nucleus	other
ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	<i>ADH5</i>	-1.4	Cytoplasm	enzyme
CHKB	choline kinase beta	<i>CHKB</i>	-1.4	Cytoplasm	kinase
ID2	inhibitor of DNA binding 2	<i>ID2</i>	-1.4	Nucleus	transcription regulator
RNF111	ring finger protein 111	<i>Rnf111</i>	-1.4	Nucleus	enzyme
ZNF362	zinc finger protein 362	<i>ZNF362</i>	-1.4	Other	other
ERAP1	endoplasmic reticulum aminopeptidase 1	<i>ERAP1</i>	-1.4	Extracellular Space	peptidase
FAM20B	FAM20B glycosaminoglycan xylosylkinase	<i>FAM20B</i>	-1.4	Extracellular Space	enzyme

ANKZF1	ankyrin repeat and zinc finger peptidyl tRNA hydrolase 1	<i>Ankzf1</i>	-1.4	Nucleus	transcription regulator
FCHO1	FCH and mu domain containing endocytic adaptor 1	<i>FCHO1</i>	-1.4	Plasma membrane	other
SGCA	sarcoglycan alpha	<i>SGCA</i>	-1.4	Plasma membrane	other
PLEKHG6	pleckstrin homologue and RhoGEF domain containing G6	<i>PLEKHG6</i>	-1.4	Cytoplasm	other
THBS3	thrombospondin 3	<i>Thbs3</i>	-1.4	Extracellular Space	other
SLCO3A1	solute carrier organic anion transporter family member 3A1	<i>SLCO3A1</i>	-1.4	Plasma membrane	transporter
FKBP8	FKBP prolyl isomerase 8	<i>FKBP8</i>	-1.4	Cytoplasm	other
PDPK1	3-phosphoinositide dependent protein kinase 1	<i>PDPK1</i>	-1.4	Cytoplasm	kinase
GPR107	G protein-coupled receptor 107	<i>GPR107</i>	-1.4	Plasma membrane	G-protein coupled receptor
APEH	acylaminoacyl-peptide hydrolase	<i>APEH</i>	-1.4	Cytoplasm	peptidase
ABCC2	ATP binding cassette subfamily C member 2	<i>Abcc2</i>	-1.4	Plasma membrane	transporter
NFIL3	nuclear factor, interleukin 3 regulated	<i>NFIL3</i>	-1.4	Nucleus	transcription regulator
IL11RA	interleukin 11 receptor subunit alpha	<i>IL11RA</i>	-1.4	Plasma membrane	transmembrane receptor
HIVEP1	HIVEP zinc finger 1	<i>Hivep1</i>	-1.4	Nucleus	transcription regulator
CEBPB	CCAAT enhancer binding protein beta	<i>CEBPB</i>	-1.4	Nucleus	transcription regulator
SERF1A/SERF1B	small EDRK-rich factor 1A	<i>SERF1A</i>	-1.4	Other	other
MRPS25	mitochondrial ribosomal protein S25	<i>MRPS25</i>	-1.4	Cytoplasm	other
SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	<i>SMARCA5</i>	-1.4	Nucleus	transcription regulator
DAZAP2	DAZ associated protein 2	<i>Dazap2</i>	-1.4	Nucleus	other
FOXO4	forkhead box O4	<i>FOXO4</i>	-1.4	Nucleus	transcription regulator
SERINC2	serine incorporator 2	<i>SERINC2</i>	-1.4	Plasma membrane	transporter
TFIP11	tuftelin interacting protein 11	<i>TFIP11</i>	-1.4	Extracellular Space	other
PCDH9	protocadherin 9	<i>PCDH9</i>	-1.4	Plasma membrane	other
MED8	mediator complex subunit 8	<i>Med8</i>	-1.4	Nucleus	other
GRIN1	glutamate ionotropic receptor NMDA type subunit 1	<i>GRIN1</i>	-1.4	Plasma membrane	ion channel
SKIV2L	Ski2 like RNA helicase	<i>SKIV2L</i>	-1.4	Nucleus	enzyme
PHACTR4	phosphatase and actin regulator 4	<i>PHACTR4</i>	-1.4	Plasma membrane	other
SLC6A20	solute carrier family 6 member 20	<i>SLC6A20</i>	-1.4	Plasma membrane	transporter
BARX2	BARX homeobox 2	<i>BARX2</i>	-1.4	Nucleus	transcription regulator
HKDC1	hexokinase domain containing 1	<i>HKDC1</i>	-1.4	Cytoplasm	kinase
ITPR2	inositol 1,4,5-trisphosphate receptor type 2	<i>ITPR2</i>	-1.4	Cytoplasm	ion channel
NDUFA12	NADH:ubiquinone oxidoreductase subunit A12	<i>NDUFA12</i>	-1.4	Cytoplasm	enzyme
SYN2	synapsin II	<i>Syn2</i>	-1.4	Plasma membrane	other
NIF3L1	NGG1 interacting factor 3 like 1	<i>Nif3l1</i>	-1.4	Cytoplasm	other
RDH5	retinol dehydrogenase 5	<i>RDH5</i>	-1.4	Cytoplasm	enzyme
POLR2H	RNA polymerase II, I and III subunit H	<i>POLR2H</i>	-1.4	Nucleus	enzyme
MCCC1	methylcrotonoyl-CoA carboxylase 1	<i>MCCC1</i>	-1.4	Cytoplasm	enzyme
DAW1	dynein assembly factor with WD repeats 1	<i>WDR69</i>	-1.4	Extracellular Space	other
PRR15	proline rich 15	<i>PRR15</i>	-1.4	Other	other

PNPT1	polyribonucleotide nucleotidyltransferase 1	<i>Pnpt1</i>	-1.4	Cytoplasm	enzyme
DPP4	dipeptidyl peptidase 4	<i>DPP4</i>	-1.4	Plasma membrane	peptidase
BSCL2	BSCL2 lipid droplet biogenesis associated, seipin	<i>BSCL2</i>	-1.4	Cytoplasm	other
ZFAND5	zinc finger AN1-type containing 5	<i>ZFAND5</i>	-1.4	Nucleus	other
YIPF1	Yip1 domain family member 1	<i>YIPF1</i>	-1.5	Cytoplasm	other
NRM	nurim	<i>NRM</i>	-1.5	Nucleus	other
SNTG2	syntrophin gamma 2	<i>SNTG2</i>	-1.5	Plasma membrane	other
POLDIP2	DNA polymerase delta interacting protein 2	<i>POLDIP2</i>	-1.5	Cytoplasm	other
ATL3	atlastin GTPase 3	<i>ATL3</i>	-1.5	Cytoplasm	other
LATS2	large tumor suppressor kinase 2	<i>Lats2</i>	-1.5	Nucleus	kinase
ZADH2	zinc binding alcohol dehydrogenase domain containing 2	<i>ZADH2</i>	-1.5	Cytoplasm	enzyme
PCBP2	poly(rC) binding protein 2	<i>PCBP2</i>	-1.5	Nucleus	other
KEL	Kell metallo-endopeptidase (Kell blood group)	<i>KEL</i>	-1.5	Plasma membrane	peptidase
GTF3C1	general transcription factor IIIC subunit 1	<i>GTF3C1</i>	-1.5	Nucleus	transcription regulator
MYOG	myogenin	<i>MYOG</i>	-1.5	Nucleus	transcription regulator
INTS5	integrator complex subunit 5	<i>Ints5</i>	-1.5	Nucleus	other
ILRUN	inflammation and lipid regulator with UBA-like and NBR1-like domains	<i>C6orf106</i>	-1.5	Cytoplasm	other
ST8SIA4	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 4	<i>ST8SIA4</i>	-1.5	Cytoplasm	enzyme
NAA60	N-alpha-acetyltransferase 60, NatF catalytic subunit	<i>NAT15</i>	-1.5	Cytoplasm	enzyme
GOLGA3	golgin A3	<i>GOLGA3</i>	-1.5	Cytoplasm	transporter
RBM4	RNA binding motif protein 4	<i>RBM4</i>	-1.5	Nucleus	other
CDC16	cell division cycle 16	<i>CDC16</i>	-1.5	Nucleus	other
PGAP2	post-GPI attachment to proteins 2	<i>PGAP2</i>	-1.5	Other	other
AFG3L2	AFG3 like matrix AAA peptidase subunit 2	<i>AFG3L2</i>	-1.5	Cytoplasm	peptidase
ZMYND15	zinc finger MYND-type containing 15	<i>Zmynd15</i>	-1.5	Other	other
HCFC1	host cell factor C1	<i>Hcfc1</i>	-1.5	Nucleus	transcription regulator
IL18	interleukin 18	<i>IL18</i>	-1.5	Extracellular Space	cytokine
HYAL2	hyaluronidase 2	<i>HYAL2</i>	-1.5	Cytoplasm	enzyme
PRDX6	peroxiredoxin 6	<i>Prdx6</i>	-1.5	Cytoplasm	enzyme
RAB11FIP5	RAB11 family interacting protein 5	<i>RAB11FIP5</i>	-1.5	Cytoplasm	other
PRSS16	serine protease 16	<i>Prss16</i>	-1.5	Extracellular Space	peptidase
TLK2	tousled like kinase 2	<i>TLK2</i>	-1.5	Cytoplasm	kinase
DNAJC10	DnaJ heat shock protein family (Hsp40) member C10	<i>DNAJC10</i>	-1.5	Cytoplasm	enzyme
NUP62	nucleoporin 62	<i>Nup62</i>	-1.5	Nucleus	transporter
TENT5C	terminal nucleotidyltransferase 5C	<i>FAM46C</i>	-1.5	Extracellular Space	enzyme
CLIP3	CAP-Gly domain containing linker protein 3	<i>CLIP3</i>	-1.5	Plasma membrane	other
MAFB	MAF bZIP transcription factor B	<i>Mafb</i>	-1.5	Nucleus	transcription regulator
IQCG	IQ motif containing G	<i>Iqcg</i>	-1.5	Cytoplasm	other
IGDCC3	immunoglobulin superfamily DCC subclass member 3	<i>IGDCC3</i>	-1.5	Other	other
LRIG3	leucine rich repeats and immunoglobulin like domains 3	<i>LRIG3</i>	-1.6	Extracellular Space	other
NUP153	nucleoporin 153	<i>NUP153</i>	-1.6	Nucleus	other
SLC2A13	solute carrier family 2 member 13	<i>SLC2A13</i>	-1.6	Plasma membrane	transporter

SPRY4	sprouty RTK signaling antagonist 4	<i>SPRY4</i>	-1.6	Plasma membrane	other
NVL	nuclear VCP like	<i>NVL</i>	-1.6	Nucleus	other
XYLT2	xylosyltransferase 2	<i>Xylt2</i>	-1.6	Cytoplasm	enzyme
CDK5R1	cyclin dependent kinase 5 regulatory subunit 1	<i>Cdk5r1</i>	-1.6	Nucleus	kinase
H2AZ1	H2A.Z variant histone 1	<i>H2AFZ</i>	-1.6	Nucleus	other
LSM4	LSM4 homologue, U6 small nuclear RNA and mRNA degradation associated	<i>LSM4</i>	-1.6	Nucleus	other
WDR75	WD repeat domain 75	<i>WDR75</i>	-1.7	Nucleus	other
WNT6	Wnt family member 6	<i>WNT6</i>	-1.7	Extracellular Space	other
MMP9	matrix metalloproteinase 9	<i>Mmp9</i>	-1.7	Extracellular Space	peptidase
STK40	serine/threonine kinase 40	<i>Stk40</i>	-1.7	Cytoplasm	kinase
L3MBTL3	L3MBTL histone methyl-lysine binding protein 3	<i>L3mbtl3</i>	-1.8	Nucleus	other
CLK2	CDC like kinase 2	<i>CLK2</i>	-1.9	Nucleus	kinase
TRIM28	tripartite motif containing 28	<i>TRIM28</i>	-1.9	Nucleus	transcription regulator
ZBTB43	zinc finger and BTB domain containing 43	<i>ZBTB43</i>	-2.4	Nucleus	transcription regulator