

<b>Gene Symbol</b>	<b>Gene Name</b>
FOSL2	FOS-like antigen 2
TMEM2	transmembrane protein 2
KCTD20	potassium channel tetramerisation domain containing 20
FTH1	ferritin, heavy polypeptide 1
FTHP1	ferritin, heavy polypeptide pseudogene 1
SYTL3	synaptotagmin-like 3
NAP1L5	nucleosome assembly protein 1-like 5
SRGN	serglycin
ALS2CR16	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 16
NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
SESN3	sestrin 3
CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)
PGAP1	GPI deacylase
NFE2L2	nuclear factor (erythroid-derived 2)-like 2
CREM	cAMP responsive element modulator
NR4A2	nuclear receptor subfamily 4, group A, member 2
JOSD1	Josephin domain containing 1
USP36	ubiquitin specific peptidase 36
ATP1B3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 3 polypeptide
GARNL1	GTPase activating Rap/RanGAP domain-like 1
NUP98	nucleoporin 98kDa
SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, <i>S. cerevisiae</i> )-like
MTMR6	myotubularin related protein 6
C3orf26	chromosome 3 open reading frame 26
PTP4A1	protein tyrosine phosphatase type IVA, member 1
ELL2	elongation factor, RNA polymerase II, 2
JMY	junction-mediating and regulatory protein
NANS	N-acetylneuraminic acid synthase (sialic acid synthase)
UAP1	UDP-N-acetylglucosamine pyrophosphorylase 1
CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1
C14orf24	chromosome 14 open reading frame 24
SETD2	SET domain containing 2
POLR3E	polymerase (RNA) III (DNA directed) polypeptide E (80kD)
ZNF331	zinc finger protein 331
SYAP1	synapse associated protein 1, SAP47 homolog ( <i>Drosophila</i> )
CCDC93	coiled-coil domain containing 93
ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7
RBM12	RNA binding motif protein 12
ARHGAP5	Rho GTPase activating protein 5
HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
GK	glycerol kinase
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
LOC653506	similar to meteorin, glial cell differentiation regulator-like
MAD1L1	MAD1 mitotic arrest deficient-like 1 (yeast)
SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3
SLC2A14	solute carrier family 2 (facilitated glucose transporter), member 14
DDIT4	DNA-damage-inducible transcript 4
DUSP4	dual specificity phosphatase 4
SOCS3	suppressor of cytokine signaling 3
RGS1	regulator of G-protein signaling 1
PRNP	prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia)
ZC3HAV1	zinc finger CCCH-type, antiviral 1

LOC285074	hypothetical protein LOC285074
DUSP2	dual specificity phosphatase 2
PSME4	proteasome (prosome, macropain) activator subunit 4
AREG	amphiregulin (schwannoma-derived growth factor)
SOS2	son of sevenless homolog 2 (Drosophila)
CHD1	chromodomain helicase DNA binding protein 1
MCL1	myeloid cell leukemia sequence 1 (BCL2-related)
ZDBF2	zinc finger, DBF-type containing 2
CD44	CD44 molecule (Indian blood group)
SRPRB	signal recognition particle receptor, B subunit
PLSCR1	phospholipid scramblase 1
EXT1	exostoses (multiple) 1
ADAM9	ADAM metallopeptidase domain 9 (meltrin gamma)
RAMP1	receptor (G protein-coupled) activity modifying protein 1
TACC1	transforming, acidic coiled-coil containing protein 1
GEMIN4	gem (nuclear organelle) associated protein 4
TAF9B	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa
AGPAT6	1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta)
USP24	ubiquitin specific peptidase 24
CCPG1	cell cycle progression 1
INSIG2	insulin induced gene 2
MAP3K8	mitogen-activated protein kinase kinase kinase 8
DIRC2	disrupted in renal carcinoma 2
DUSP1	dual specificity phosphatase 1
RBBP8	retinoblastoma binding protein 8
FADS3	fatty acid desaturase 3
TP53INP2	tumor protein p53 inducible nuclear protein 2
NR4A3	nuclear receptor subfamily 4, group A, member 3
OBFC2A	oligonucleotide/oligosaccharide-binding fold containing 2A
RBKS	ribokinase
SNF1LK2	SNF1-like kinase 2
LRRFIP1	leucine rich repeat (in FLII) interacting protein 1
ZBTB10	zinc finger and BTB domain containing 10
POLB	polymerase (DNA directed), beta
GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)
RANGAP1	Ran GTPase activating protein 1
GEM	GTP binding protein overexpressed in skeletal muscle
AXUD1	AXIN1 up-regulated 1
DUSP5	dual specificity phosphatase 5
HOMER1	homer homolog 1 (Drosophila)
HNRNPA0	heterogeneous nuclear ribonucleoprotein A0
REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)
FNTA	farnesyltransferase, CAAX box, alpha
THAP9	THAP domain containing 9
DUSP10	dual specificity phosphatase 10
HSPA9	heat shock 70kDa protein 9 (mortalin)
PIGB	phosphatidylinositol glycan anchor biosynthesis, class B
GZFI	GDNF-inducible zinc finger protein 1
CLCN3	chloride channel 3
TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)
FLJ40869	hypothetical protein FLJ40869
HSPE1	heat shock 10kDa protein 1 (chaperonin 10)
SAT1	spermidine/spermine N1-acetyltransferase 1
ZCCHC2	zinc finger, CCHC domain containing 2

SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)
GNL1	guanine nucleotide binding protein-like 1
RFTN1	raftlin, lipid raft linker 1
PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2
ARIH2	ariadne homolog 2 (Drosophila)
IRF2BP2	interferon regulatory factor 2 binding protein 2
JUNB	jun B proto-oncogene
SEC23B	Sec23 homolog B ( <i>S. cerevisiae</i> )
PER1	period homolog 1 (Drosophila)
PHF20	PHD finger protein 20
NUPL1	nucleoporin like 1
PBEF1	pre-B-cell colony enhancing factor 1
C9orf72	chromosome 9 open reading frame 72
SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7)
FLJ43663	hypothetical protein FLJ43663
FAM133B	family with sequence similarity 133, member B
NDNL2	necdin-like 2

**Table 1S.** Complete list of genes comprising cluster #2 of Figure 2.