

Supplementary Table 1

Extension of **Table 2** with all shifts in cardiac gene expression down to 1.5-fold change for DCMi patient group vs CONT control group, as assessed by *Affymetrix* microarray analysis of RNA extracted from endomyocardial biopsies. For further details of the DCMi and CONT groups see **Table 1** and *Patients and Methods* section. The complete *Affymetrix* dataset is available from the *Gene Expression Omnibus* (GEO) website <http://www.ncbi.nlm.nih.gov/projects/geo/> . GEO experimental series number was assigned as GSE4172.

Fold Change	Regulation	q-value	Gene Title	Gene Symbol
7.1	down	0.371	Ras responsive element binding protein 1	RREB1
6.8	down	0.605	adiponectin. C1Q and collagen domain containing	ADIPOQ
6.6	down	0.371	PRO0478 protein	PRO0478
5.9	down	1.943	chemokine (C-X-C motif) ligand 14	CXCL14
5.8	down	0.371	Neurturin	NRTN
4.8	down	0.371	Mesenchymal stem cell protein DSC96	---
4.7	down	0.371	Zinc finger homeobox 1b	ZFH1B
4.7	down	0.605	teratocarcinoma-derived growth factor 1	TDGF1
4.6	down	0.371	phosphatidylinositol-specific phospholipase C. X domain containing 3	PLCX3
4.3	down	0.371	ribosomal protein L28	RPL28
4.1	down	0.371	Dishevelled associated activator of morphogenesis 1	DAAM1
4.1	down	0.371	likely ortholog of mouse neighbor of Punc E11	NOPE
3.7	down	0.371	metallothionein 1F (functional)	MT1F
3.6	down	0.371	D component of complement (adipsin)	DF
3.6	down	0.371	Platelet-derived growth factor alpha polypeptide	PDGFA
3.6	down	0.371	spermatogenesis associated 11	SPATA11
3.4	down	0.605	RAB12. member RAS oncogene family	RAB12
3.3	down	2.868	NY-REN-7 antigen	NY-REN-7
3.3	down	0.371	Heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1. 37kDa)	HNRPD
3.2	down	0.371	FLJ35093 protein	FLJ35093
3.2	down	3.173	leucine rich repeat transmembrane neuronal 4	LRRTM4
3.2	down	0.371	signal recognition particle 68kDa	SRP68
3.2	down	0.371	Zinc finger protein 297B	ZNF297B

3.1	down	0.371	son of sevenless homolog 1 (Drosophila)	SOS1
3.1	down	0.371	KIAA0934	KIAA0934
3.1	down	0.371	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1
3.1	down	0.371	leucine rich repeat neuronal 3	LRRN3
3.0	down	0.371	protein phosphatase 1. regulatory (inhibitor) subunit 14A	PPP1R14A
3.0	down	5.091	integrin. alpha 2 (CD49B. alpha 2 subunit of VLA-2 receptor)	ITGA2
3.0	down	0.371	metallothionein 1E (functional)	MT1E
3.0	down	0.371	Homeodomain interacting protein kinase 2	HIPK2
3.0	down	0.371	Ring finger protein 10	RNF10
2.9	down	0.371	Splicing factor. arginine/serine-rich 3	SFRS3
2.9	down	0.371	RNA binding motif. single stranded interacting protein	RBMS3
2.9	down	0.371	spermatogenesis associated 11	SPATA11
2.9	down	0.371	protein phosphatase 1. regulatory (inhibitor) subunit 16A	PPP1R16A
2.9	down	0.371	non-metastatic cells 7. protein expressed in (nucleoside-diphosphate kinase)	NME7
2.9	down	0.371	zinc finger protein 418	ZNF418
2.9	down	0.895	aquaporin 4	AQP4
2.8	down	0.371	Chromobox homolog 5 (HP1 alpha homolog. Drosophila)	CBX5
2.8	down	0.605	GTPase activating Rap/RanGAP domain-like 1	GARNL1
2.8	down	0.371	coagulation factor C homolog. coxlin (Limulus polyphemus)	COCH
2.8	down	1.222	E1A binding protein p300	EP300
2.8	down	1.632	SLAC2-B	SLAC2-B
2.8	down	0.371	jumonji domain containing 2B	JMJD2B
2.7	down	0.371	protein phosphatase 1. regulatory (inhibitor) subunit 1A	PPP1R1A
2.7	down	0.371	ribosomal protein L35	RPL35
2.7	down	0.895	Zinc finger protein 542	ZNF542
2.6	down	0.371	host cell factor C1 regulator 1 (XPO1 dependant)	HCFC1R1
2.6	down	0.371	thymosin. beta 10	TMSB10
2.6	down	0.371	Phosphatase and actin regulator 1	PHACTR1
2.6	down	0.371	1-acylglycerol-3-phosphate O-acyltransferase 3	AGPAT3
2.6	down	0.371	hairy and enhancer of split 4 (Drosophila)	HES4
2.6	down	0.371	Pre-B-cell leukemia transcription factor 1	PBX1
2.6	down	1.517	proline rich 6	PRR6

2.5	down	0.371	Dicer1. Dcr-1 homolog (Drosophila)	DICER1
2.5	down	0.371	Insulin receptor	INSR
2.5	down	0.991	Phosphoinositide-3-kinase. regulatory subunit 1 (p85 alpha)	PIK3R1
2.5	down	0.371	UDP-Gal:betaGlcNAc beta 1.4- galactosyltransferase. polypeptide 6	B4GALT6
2.5	down	2.226	Epidermal growth factor receptor	EGFR
2.5	down	0.371	nuclear ubiquitous casein kinase and cyclin-dependent kinase substrate	NUCKS
2.5	down	0.605	POU domain. class 4. transcription factor 1	POU4F1
2.5	down	0.371	phosphoglycerate mutase 2 (muscle)	PGAM2
2.5	down	0.895	Protein tyrosine phosphatase. receptor type. S	PTPRS
2.5	down	0.371	Wolf-Hirschhorn syndrome candidate 1-like 1	WHSC1L1
2.4	down	0.991	NADH:ubiquinone oxidoreductase MLRQ subunit homolog	LOC56901
2.4	down	0.371	laminin. alpha 4	LAMA4
2.4	down	0.371	metallothionein 1X	MT1X
2.4	down	0.371	calreticulin	CALR
2.4	down	0.371	Muscleblind-like (Drosophila)	MBNL1
2.4	down	0.371	ATP synthase. H+ transporting. mitochondrial F1 complex. delta subunit	ATP5D
2.4	down	0.371	C-type lectin domain family 3. member B	CLEC3B
2.4	down	0.371	ribosomal protein L13	RPL13
2.4	down	0.371	mitochondrial solute carrier protein	MSCP
2.3	down	0.991	LSM7 homolog. U6 small nuclear RNA associated (S. cerevisiae)	LSM7
2.3	down	0.605	metallothionein 1F (functional)	MT1F
2.3	down	3.641	coagulation factor V (proaccelerin. labile factor)	F5
2.3	down	1.667	FLJ43654 protein	FLJ43654
2.3	down	3.868	LIM domain only 4	LMO4
2.3	down	0.371	splicing factor. arginine/serine-rich 11	SFRS11
2.3	down	0.991	poly(A) binding protein interacting protein 1	PAIP1
2.3	down	0.371	prostaglandin D2 synthase 21kDa (brain)	PTGDS
2.3	down	3.641	amyloid beta (A4) precursor protein-binding. family B. member 1 interacting protein	APBB1IP
2.3	down	0.371	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	MAFB
2.3	down	0.895	hairy/enhancer-of-split related with YRPW motif 2	HEY2
2.3	down	0.371	NADH dehydrogenase (ubiquinone) Fe-S protein 7. 20kDa (NADH-coenzyme Q reductase)	NDUFS7
2.3	down	4.108	myosin. heavy polypeptide 6. cardiac muscle. alpha (cardiomyopathy. hypertrophic 1)	MYH6

2.3	down	2.621	pentatricopeptide repeat domain 2	PTCD2
2.3	down	0.605	Plakophilin 4	PKP4
2.3	down	0.371	lectin. galactoside-binding. soluble. 1 (galectin 1)	LGALS1
2.2	down	4.108	apolipoprotein B mRNA editing enzyme. catalytic polypeptide-like 3F	APOBEC3F
2.2	down	3.469	Similar to KIAA0393 protein	MGC57820
2.2	down	1.222	Slingshot homolog 2 (Drosophila)	SSH2
2.2	down	0.895	Source of immunodominant MHC-associated peptides	SIMP
2.2	down	1.222	kinectin 1 (kinesin receptor)	KTN1
2.2	down	0.371	collagen. type VI. alpha 2	COL6A2
2.2	down	0.371	growth arrest-specific 2 like 1	GAS2L1
2.2	down	1.943	mitochondrial ribosomal protein 63	MRP63
2.2	down	0.371	phosphohistidine phosphatase 1	PHPT1
2.2	down	0.895	helicase/primase complex protein	LOC150678
2.2	down	0.371	zinc finger protein 333	ZNF333
2.2	down	0.605	WD repeat and FYVE domain containing 1	WDFY1
2.2	down	1.517	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	MIF
2.2	down	0.895	transcription elongation factor B (SIII). polypeptide 2 (18kDa. elongin B)	TCEB2
2.2	down	0.605	nuclear receptor interacting protein 1	NRIP1
2.2	down	0.991	CCAAT/enhancer binding protein (C/EBP). delta	CEBPD
2.2	down	2.226	twist homolog 1 (acrocephalosyndactyly 3; Saethre-Chotzen syndrome) (Drosophila)	TWIST1
2.2	down	0.895	regulator of G-protein signalling 10	RGS10
2.2	down	3.641	ribosomal protein L13	RPL13
2.1	down	0.371	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 7. 18kDa	NDUFB7
2.1	down	0.371	Adrenergic. beta-1-. receptor	ADRB1
2.1	down	0.991	ribosomal protein S14	RPS14
2.1	down	0.895	<i>calreticulin</i>	<i>CALR</i>
2.1	down	0.371	phosphohistidine phosphatase 1	PHPT1
2.1	down	1.632	mitochondrial solute carrier protein	MSCP
2.1	down	0.991	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1	GALNTL1
2.1	down	1.222	FXVD domain containing ion transport regulator 1 (phospholemmann)	FXVD1
2.1	down	0.371	mitochondrial ribosomal protein L41	MRPL41
2.1	down	2.487	ubiquitin protein ligase E3B	UBE3B

2.1	down	0.605	cytochrome c oxidase subunit VIa polypeptide 2	COX6A2
2.1	down	0.991	CDC42 small effector 1	CDC42SE1
2.1	down	0.991	Phosphatase and actin regulator 2	PHACTR2
2.1	down	0.371	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	RASGRP2
2.1	down	1.943	<i>epidermal growth factor receptor</i>	<i>EGFR</i>
2.1	down	0.371	G kinase anchoring protein 1	GKAP1
2.1	down	3.641	TBC1 domain family. member 5	TBC1D5
2.1	down	0.371	mitochondrial ribosomal protein L53	MRPL53
2.1	down	0.371	SRY (sex determining region Y)-box 9 (campomelic dysplasia. autosomal sex-reversal)	SOX9
2.1	down	0.605	latent transforming growth factor beta binding protein 3	LTBP3
2.1	down	0.895	sodium channel. voltage-gated. type III. alpha	SCN3A
2.1	down	2.226	Heparan sulfate proteoglycan 2 (perlecan)	HSPG2
2.1	down	0.605	Wilms tumor 1 associated protein	WTAP
2.1	down	2.487	Dystonin	DST
2.1	down	0.605	solute carrier family 35. member E2	SLC35E2
2.1	down	1.517	zinc finger. HIT domain containing 1	ZNHIT1
2.1	down	4.467	ribosomal protein L18a	RPL18A
2.1	down	5.091	F-box protein 40	FBXO40
2.1	down	0.991	ELAV (embryonic lethal. abnormal vision. Drosophila)-like 1 (Hu antigen R)	ELAVL1
2.1	down	0.605	cytochrome c oxidase subunit VIIc	COX7C
2.1	down	0.371	heat shock transcription factor 1	HSF1
2.1	down	0.605	polymerase (RNA) II (DNA directed) polypeptide J. 13.3kDa	POLR2J
2.1	down	0.991	ubiquitin specific protease 31	USP31
2.1	down	0.371	mediator of RNA polymerase II transcription. subunit 25 homolog (yeast)	MED25
2.1	down	2.487	thyroid hormone receptor associated protein 5	THRAP5
2.0	down	3.641	DEAH (Asp-Glu-Ala-His) box polypeptide 30	DHX30
2.0	down	0.895	Transforming growth factor. beta receptor III (betaglycan. 300kDa)	TGFBR3
2.0	down	1.632	Leukemia inhibitory factor receptor	LIFR
2.0	down	0.605	ATP synthase. H+ transporting. mitochondrial F1 complex. delta subunit	ATP5D
2.0	down	0.895	B-cell CLL/lymphoma 11A (zinc finger protein)	BCL11A
2.0	down	0.371	glutathione peroxidase 4 (phospholipid hydroperoxidase)	GPX4
2.0	down	4.108	solute carrier family 22 (organic cation transporter). member 18	SLC22A18

2.0	down	0.605	Ariadne homolog. ubiquitin-conjugating enzyme E2 binding protein. 1 (Drosophila)	ARIH1
2.0	down	0.371	heat shock 27kDa protein 3	HSPB3
2.0	down	0.991	ribosomal protein L13	RPL13
2.0	down	0.371	ribosomal protein L36	RPL36
2.0	down	1.667	slit homolog 2 (Drosophila)	SLIT2
2.0	down	2.487	metallothionein 1X	MT1X
2.0	down	0.371	ubiquitin A-52 residue ribosomal protein fusion product 1	UBA52
2.0	down	1.517	leucine rich repeat and fibronectin type III domain containing 5	LRFN5
2.0	down	1.222	Hepatitis B virus x associated protein	HBXAP
2.0	down	2.487	UDP-Gal:betaGlcNAc beta 1.4- galactosyltransferase. polypeptide 5	B4GALT5
2.0	down	0.605	D-dopachrome tautomerase	DDT
2.0	down	5.091	LIM domain binding 3	LDB3
2.0	down	2.345	eukaryotic translation initiation factor 4E binding protein 1	EIF4EBP1
2.0	down	3.469	single Ig IL-1R-related molecule	SIGIRR
2.0	down	0.371	cystatin C (amyloid angiopathy and cerebral hemorrhage)	CST3
2.0	down	2.868	Protein geranylgeranyltransferase type I. beta subunit	PGGT1B
2.0	down	1.667	DKFZP564F0522 protein	DKFZP564F0522
2.0	down	0.371	chloride intracellular channel 5	CLIC5
2.0	down	0.991	copine III	CPNE3
2.0	down	0.371	tenascin XB	TNXB
2.0	down	3.641	protein phosphatase 1. regulatory (inhibitor) subunit 14B	PPP1R14B
2.0	down	0.371	cytochrome c oxidase subunit IV isoform 2 (lung)	COX4I2
2.0	down	0.371	ubiquinol cytochrome c reductase. 6.4kDa subunit	UQCR
2.0	down	0.605	ribonuclease P 21kDa subunit	RPP21

1.9	down	0.895	mitochondrial ribosomal protein 63	MRP63
1.9	down	0.371	cell death-regulatory protein GRIM19	GRIM19
1.9	down	1.517	coiled-coil-helix-coiled-coil-helix domain containing 5	CHCHD5
1.9	down	0.991	insulin-like growth factor binding protein 5	IGFBP5
1.9	down	20.292	Interleukin 17 receptor D	IL17RD
1.9	down	2.868	DnaJ (Hsp40) homolog. subfamily A. member 2	DNAJA2
1.9	down	2.226	dimethylglycine dehydrogenase	DMGDH

1.9	down	0.605	ribosomal protein L13	RPL13
1.9	down	0.991	mitochondrial ribosomal protein L41	MRPL41
1.9	down	2.487	sterile alpha motif domain containing 4	SAMD4
1.9	down	0.895	B-cell CLL/lymphoma 11A (zinc finger protein)	BCL11A
1.9	down	0.371	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex. 3. 9kDa	NDUFA3
1.9	down	2.868	metallothionein 1G	MT1G
1.9	down	0.605	phosphotriesterase related	PTER
1.9	down	0.371	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	COX7A1
1.9	down	2.226	NADH dehydrogenase (ubiquinone) flavoprotein 3. 10kDa	NDUFV3
1.9	down	5.091	kelch-like 8 (Drosophila)	KLHL8
1.9	down	4.757	Ring finger protein 138 pseudogene 1	RNF138P1
1.9	down	3.173	Caspase recruitment domain family. member 8	CARD8
1.9	down	0.371	prostaglandin D2 synthase 21kDa (brain)	PTGDS
1.9	down	3.469	<i>tenascin XB</i>	<i>TNXB</i>
1.9	down	2.621	deleted in lymphocytic leukemia. 2	DLEU2
1.9	down	1.222	Zinc finger and BTB domain containing 20	ZBTB20
1.9	down	0.895	neurofascin	NFASC
1.9	down	0.605	AYP1 protein	AYP1
1.9	down	0.371	SCAN domain containing 1	SCAND1
1.9	down	2.487	Pecanex homolog (Drosophila)	PCNX
1.9	down	0.371	small EDRK-rich factor 2	SERF2
1.9	down	0.895	tenascin XB	TNXB
1.9	down	3.641	exportin 7	XPO7
1.9	down	0.605	APG10 autophagy 10-like (S. cerevisiae)	APG10L
1.9	down	0.371	human T-cell leukemia virus enhancer factor	HTLF
1.9	down	0.991	zinc finger protein 503	ZNF503
1.9	down	2.226	mitogen-activated protein kinase kinase kinase 5	MAP3K5
1.9	down	2.487	histone 1. H1c	HIST1H1C
1.8	down	0.605	cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)	COX6B1
1.8	down	0.371	transcription factor EB	TFEB
1.8	down	0.371	Bromodomain containing 4	BRD4
1.8	down	0.895	Beta-amyloid binding protein precursor	BBP
1.8	down	1.632	likely ortholog of mouse gene rich cluster. C10 gene	GRCC10
1.8	down	0.895	dynein. cytoplasmic. light polypeptide 2A	DNCL2A
1.8	down	5.091	angiogenic factor with G patch and FHA domains 1	AGGF1

1.8	down	2.487	solute carrier family 26. member 9	SLC26A9
1.8	down	2.487	Protein phosphatase 2. regulatory subunit B (B56). gamma isoform	PPP2R5C
1.8	down	1.632	SCAN domain containing 1	SCAND1
1.8	down	0.371	aurora-A kinase interacting protein	AKIP
1.8	down	1.632	zinc finger protein 36. C3H type-like 2	ZFP36L2
1.8	down	2.868	microtubule-associated protein 1B	MAP1B
1.8	down	1.517	LSM10. U7 small nuclear RNA associated	LSM10
1.8	down	0.371	prostaglandin D2 synthase 21kDa (brain)	PTGDS
1.8	down	3.641	odd-skipped related 2 (Drosophila)	OSR2
1.8	down	0.605	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 10. 22kDa	NDUFB10
1.8	down	1.994	UDP-Gal:betaGal beta 1.3-galactosyltransferase polypeptide 6	B3GALT6
1.8	down	0.895	transportin 1	TNPO1
1.8	down	1.632	polymerase (RNA) II (DNA directed) polypeptide L. 7.6kDa	POLR2L
1.8	down	2.868	H1 histone family. member X	H1FX
1.8	down	4.467	DKFZP586A0522 protein	DKFZP586A0522
1.8	down	2.868	syntaxin binding protein 6 (amisyn)	STXBP6
1.8	down	2.621	fibronectin type III domain containing 3B	FNDC3B
1.8	down	0.895	phosphatidylinositol-3-phosphate associated protein	PIP3AP
1.8	down	1.667	SCAN domain containing 1	SCAND1
1.8	down	4.757	ribosomal protein L26	RPL26
1.8	down	0.895	ATPase. H+ transporting. lysosomal 14kDa. V1 subunit F	ATP6V1F
1.8	down	2.868	quaking homolog. KH domain RNA binding (mouse)	QKI
1.8	down	0.895	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 10. 22kDa	NDUFB10
1.8	down	3.868	CXXC finger 5	CXXC5
1.8	down	4.757	ATP synthase. H+ transporting. mitochondrial F0 complex. subunit e	ATP5I
1.8	down	0.605	heat shock 27kDa protein 2	HSPB2
1.8	down	1.517	HepG2 3' region cDNA. clone hmd1c07.	---
1.8	down	1.222	LRP16 protein	LRP16
1.8	down	5.308	Interleukin-1 receptor-associated kinase 1 binding protein 1	IRAK1BP1
1.8	down	2.226	prostate tumor overexpressed gene 1	PTOV1
1.8	down	0.605	6-phosphogluconolactonase	PGLS
1.7	down	4.108	heterogeneous nuclear ribonucleoprotein H1 (H)	HNRPH1
1.7	down	5.091	protocadherin beta 7	PCDHB7
1.7	down	1.994	trafficking protein particle complex 5	TRAPPC5
1.7	down	3.641	Zinc finger. A20 domain containing 3	ZA20D3

1.7	down	4.757	Poly(rC) binding protein 2	PCBP2
1.7	down	2.487	G protein beta subunit-like	GBL
1.7	down	0.895	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 1. 7kDa	NDUFB1
1.7	down	5.091	leucine-rich repeats and calponin homology (CH) domain containing 4	LRCH4
1.7	down	5.091	S100 calcium binding protein A1	S100A1
1.7	down	1.667	calcyclin binding protein	CACYBP
1.7	down	1.994	COX17 homolog. cytochrome c oxidase assembly protein (yeast)	COX17
1.7	down	1.632	MAP/microtubule affinity-regulating kinase 4	MARK4
1.7	down	4.757	fibronectin leucine rich transmembrane protein 2	FLRT2
1.7	down	0.991	CGI-128 protein	CGI-128
1.7	down	2.487	RAB14. member RAS oncogene family	RAB14
1.7	down	2.868	Insulin receptor	INSR
1.7	down	1.994	nucleolar protein family A. member 3 (H/ACA small nucleolar RNPs)	NOLA3
1.7	down	4.757	interferon. alpha-inducible protein (clone IFI-15K)	G1P2
1.7	down	2.226	ras homolog gene family. member F (in filopodia)	RHOF
1.7	down	1.667	ataxin 2-binding protein 1	A2BP1
1.7	down	0.895	ATP synthase. H+ transporting. mitochondrial F0 complex. subunit f. isoform 2	ATP5J2
1.7	down	1.943	Guanine nucleotide binding protein (G protein). gamma 10	GNG10
1.7	down	0.605	SH3 domain containing ring finger 2	SH3RF2
1.7	down	1.667	ATP synthase. H+ transporting. mitochondrial F1 complex. epsilon subunit	ATP5E
1.7	down	4.757	interferon. alpha-inducible protein 27	IFI27
1.7	down	1.632	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex. 2. 8kDa	NDUFA2
1.7	down	1.222	Nuclear factor I/C (CCAAT-binding transcription factor)	NFIC
1.7	down	3.641	roporin. raphilin associated protein 1	ROPN1
1.7	down	0.605	carbonic anhydrase IV	CA4
1.7	down	2.868	KIAA0485 protein	KIAA0485
1.7	down	4.467	HSPC135 protein	HSPC135
1.7	down	1.632	BCL2-antagonist of cell death	BAD
1.7	down	3.868	Diaphanous homolog 2 (Drosophila)	DIAPH2
1.7	down	1.222	ribosomal protein L38	RPL38
1.7	down	0.895	aurora-A kinase interacting protein	AKIP
1.7	down	1.632	guanine nucleotide binding protein (G protein). gamma 5	GNG5
1.7	down	1.517	translocase of inner mitochondrial membrane 17 homolog B (yeast)	TIMM17B
1.7	down	0.371	lectin. galactoside-binding. soluble. 3 (galectin 3)	LGALS3
1.7	down	1.994	mitochondrial ribosomal protein L34	MRPL34

1.7	down	5.091	protein kinase C. delta binding protein	PRKCDBP
1.7	down	3.868	Mitofusin 1	MFN1
1.7	down	1.222	growth arrest-specific 2 like 1	GAS2L1
1.7	down	4.757	Syntrophin. beta 2 (dystrophin-associated protein A1. 59kDa. basic component 2)	SNTB2
1.7	down	0.991	CGI-143 protein	CGI-143
1.7	down	1.943	DR1-associated protein 1 (negative cofactor 2 alpha)	DRAP1
1.7	down	1.222	cytochrome c oxidase subunit Vb	COX5B
1.7	down	4.757	<i>Epidermal growth factor receptor</i>	<i>EGFR</i>
1.7	down	2.226	ribosomal protein S27 (metallopanstimulin 1)	RPS27
1.7	down	2.226	ubiquitin associated protein 2	UBAP2
1.7	down	1.632	tensin like C1 domain containing phosphatase	TENC1
1.7	down	4.467	chemokine-like factor super family 4	CKLFSF4
1.7	down	1.517	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 11. 17.3kDa	NDUFB11
1.6	down	4.108	leucine zipper domain protein	FLJ22386
1.6	down	2.868	Zinc finger protein 148 (pHZ-52)	ZNF148
1.6	down	2.868	Activity-dependent neuroprotector	ADNP
1.6	down	0.895	hydroxysteroid (17-beta) dehydrogenase 1	HSD17B1
1.6	down	1.994	scribbled homolog (Drosophila)	SCRIB
1.6	down	1.632	ribosomal protein L29	RPL29
1.6	down	4.362	transcription factor 7-like 2 (T-cell specific. HMG-box)	TCF7L2
1.6	down	3.469	ribosomal protein L32	RPL32
1.6	down	4.757	tripartite motif-containing 8	TRIM8
1.6	down	2.487	signal sequence receptor. delta (translocon-associated protein delta)	SSR4
1.6	down	7.164	protein F25965	F25965
1.6	down	2.487	serine (or cysteine) proteinase inhibitor. clade B (ovalbumin). member 9	SERPINB9
1.6	down	3.868	nuclear ubiquitous casein kinase and cyclin-dependent kinase substrate	NUCKS
1.6	down	0.991	DKFZP564O243 protein	DKFZP564O243
1.6	down	2.868	START domain containing 10	STARD10
1.6	down	4.108	glucose 6 phosphatase. catalytic. 3	G6PC3
1.6	down	2.868	cytochrome c oxidase subunit Vb	COX5B
1.6	down	4.362	mitochondrial ribosomal protein L52	MRPL52
1.6	down	1.667	scaffold attachment factor B2	SAFB2
1.6	down	1.517	polymerase (RNA) II (DNA directed) polypeptide I. 14.5kDa	POLR2I
1.6	down	4.362	nuclear receptor subfamily 1. group D. member 2	NR1D2
1.6	down	3.469	ribosomal protein L15	RPL15

1.6	down	1.632	5'-nucleotidase. cytosolic II	NT5C2
1.6	down	2.487	PCTAIRE protein kinase 2	PCTK2
1.6	down	4.108	GTF2I repeat domain containing 2	GTF2IRD2
1.6	down	3.173	NK2 transcription factor related. locus 5 (Drosophila)	NKX2-5
1.6	down	2.868	NADH dehydrogenase (ubiquinone) 1 beta subcomplex. 2. 8kDa	NDUFB2
1.6	down	4.108	START domain containing 10	STARD10
1.6	down	5.091	mitochondrial ribosomal protein S12	MRPS12
1.6	down	2.226	cytochrome c oxidase subunit Vb	COX5B
1.5	down	4.757	eukaryotic translation initiation factor 5	EIF5
1.5	down	2.226	adaptor-related protein complex 2. sigma 1 subunit	AP2S1
1.5	down	4.362	adenine phosphoribosyltransferase	APRT
1.5	down	4.467	NADH dehydrogenase (ubiquinone) 1. subcomplex unknown. 2. 14.5kDa	NDUFC2
1.5	down	4.362	solute carrier family 36 (proton/amino acid symporter). member 2	SLC36A2
1.5	down	3.469	Phosphatidylinositol transfer protein. beta	PITPNB
1.5	down	1.222	ribosomal protein S11	RPS11
1.5	down	2.226	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived)	FAU
1.5	down	3.469	KIAA0774	KIAA0774
1.5	down	1.632	ubiquinol-cytochrome c reductase complex (7.2 kD)	HSPC051
1.5	down	5.091	THAP domain containing 4	THAP4
1.5	down	3.173	peroxiredoxin 2	PRDX2
1.5	down	3.641	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex. 11. 14.7kDa	NDUFA11
1.5	down	4.757	ribosomal protein S27a	RPS27A
1.5	down	5.091	Down syndrome critical region gene 5	DSCR5
1.5	down	3.641	plexin B2	PLXNB2

Fold Change	Regulation	q-value	Gene Title	Gene Symbol
5.1	up	0.371	membrane protein. palmitoylated 7 (MAGUK p55 subfamily member 7)	MPP7
4.3	up	1.517	GTP binding protein overexpressed in skeletal muscle	GEM
4.2	up	1.517	coagulation factor II (thrombin) receptor-like 1	F2RL1
3.9	up	0.895	DnaJ (Hsp40) homolog. subfamily C. member 10	DNAJC10
3.6	up	1.943	cysteine-rich. angiogenic inducer. 61	CYR61=CCN1
3.4	up	3.868	thrombospondin 1	THBS1
3.4	up	0.895	ubiquitin specific protease 39	USP39
3.3	up	1.994	aryl hydrocarbon receptor nuclear translocator-like	ARNTL
3.2	up	0.991	zinc finger protein (C2H2 type) 277	ZNF277
3.2	up	3.173	<i>cysteine-rich. angiogenic inducer. 61</i>	<i>CYR61=CCN1</i>
3.1	up	4.108	splicing factor. arginine/serine-rich 2. interacting protein	SFRS2IP
3.1	up	0.895	nebulin-related anchoring protein	NRAP
3.1	up	0.371	Rho-related BTB domain containing 3	RHOBTB3
3.0	up	0.895	microtubule-associated protein 7	MAP7
3.0	up	1.517	feline leukemia virus subgroup C cellular receptor	FLVCR
3.0	up	2.226	ankyrin repeat domain 1 (cardiac muscle)	ANKRD1
3.0	up	2.487	solute carrier family 14 (urea transporter). member 1 (Kidd blood group)	SLC14A1
3.0	up	3.641	InaD-like (Drosophila)	INADL
3.0	up	1.222	signal transducer and activator of transcription 1. 91kDa	STAT1
2.9	up	1.632	visinin-like 1	VSNL1
2.9	up	1.517	a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif. 1	ADAMTS1
2.9	up	0.991	protein geranylgeranyltransferase type I. beta subunit	PGGT1B
2.9	up	1.943	immediate early response 3	IER3
2.9	up	2.226	SKI-like	SKIL
2.9	up	1.632	potassium channel. subfamily K. member 6	KCNK6
2.8	up	0.371	enolase 2 (gamma. neuronal)	ENO2
2.7	up	0.371	Zinc finger protein 91 (HPF7. HTF10)	ZNF91
2.7	up	1.517	tumor protein D52	TPD52
2.7	up	1.667	PDZ and LIM domain 5	PDLIM5

2.7	up	1.632	RAR-related orphan receptor A	RORA
2.7	up	0.895	hypothetical protein IMPACT	IMPACT
2.7	up	0.895	myosin. heavy polypeptide 7B. cardiac muscle. beta	MYH7B
2.6	up	1.632	phospholipase A2-activating protein	PLAA
2.6	up	3.641	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	ACE2
2.6	up	4.757	hemoglobin. gamma A/G	HBG1/2
2.6	up	0.895	dehydrogenase E1 and transketolase domain containing 1	DHTKD1
2.6	up	1.517	heterogeneous nuclear ribonucleoprotein H1 (H)	HNRPH1
2.6	up	1.994	related RAS viral (r-ras) oncogene homolog 2	RRAS2
2.6	up	1.632	interleukin 17D	IL17D
2.6	up	1.943	RAD51-like 3 (<i>S. cerevisiae</i>)	RAD51L3
2.6	up	2.226	four and a half LIM domains 1	FHL1
2.6	up	1.943	cofilin 2 (muscle)	CFL2
2.5	up	2.345	KIAA1463 protein	KIAA1463
2.5	up	0.895	aldehyde dehydrogenase 1 family. member L1	ALDH1L1
2.5	up	0.895	THAP domain containing 6	THAP6
2.5	up	3.173	frizzled-related protein	FRZB
2.5	up	2.345	calsequestrin 1 (fast-twitch. skeletal muscle)	CASQ1
2.5	up	1.994	regulator of G-protein signalling 4	RGS4
2.5	up	3.469	cystathionine-beta-synthase	CBS
2.5	up	1.222	4-aminobutyrate aminotransferase	ABAT
2.5	up	1.632	Receptor tyrosine kinase-like orphan receptor 1	ROR1
2.5	up	1.994	integrin. beta 1 (fibronectin receptor. beta polypeptide. antigen CD29 includes MDF2. MSK12)	ITGB1
2.5	up	0.895	RAB3 GTPase-activating protein	RAB3GAP
2.5	up	2.621	Ankyrin repeat and MYND domain containing 2	ANKMY2
2.5	up	1.517	troponin T1. skeletal. slow	TNNT1
2.5	up	1.943	PX domain containing serine/threonine kinase	PXK
2.4	up	1.994	RRN3 RNA polymerase I transcription factor homolog (yeast)	RRN3
2.4	up	0.895	kelch domain containing 4	KLHDC4
2.4	up	1.943	receptor tyrosine kinase-like orphan receptor 1	ROR1
2.4	up	1.632	RNA binding motif (RNP1. RRM) protein 3	RBM3
2.4	up	1.943	GDP-mannose 4.6-dehydratase	GMDS

2.4	up	1.632	Geranylgeranyl diphosphate synthase 1	GGPS1
2.4	up	1.632	WD repeat and SOCS box-containing 1	WSB1
2.4	up	1.667	Histone 1. H2bn	HIST1H2BN
2.4	up	1.994	p53 target zinc finger protein	WIG1
2.4	up	3.173	latent transforming growth factor beta binding protein 2	LTBP2
2.4	up	3.868	filamin A interacting protein 1	FILIP1
2.4	up	0.991	kinesin-associated protein 3	KIFAP3
2.4	up	3.868	coated vesicle membrane protein	RNP24
2.4	up	3.173	Down syndrome critical region gene 1	DSCR1
2.4	up	0.895	NAD(P)H:quinone oxidoreductase type 3. polypeptide A2	NQO3A2
2.4	up	1.222	PRO0149 protein	PRO0149
2.4	up	1.667	interferon-related developmental regulator 1	IFRD1
2.4	up	4.108	related RAS viral (r-ras) oncogene homolog 2	RRAS2
2.4	up	3.641	Brain-derived neurotrophic factor	BDNF
2.4	up	0.895	matrin 3	MATR3
2.4	up	2.868	tropomyosin 3	TPM3
2.3	up	1.222	mannose-6-phosphate receptor (cation dependent)	M6PR
2.3	up	2.345	6-phosphofructo-2-kinase/fructose-2.6-biphosphatase 2	PFKFB2
2.3	up	0.895	tumor protein D52	TPD52
2.3	up	1.943	6-phosphofructo-2-kinase/fructose-2.6-biphosphatase 2	PFKFB2
2.3	up	3.641	nucleosome assembly protein 1-like 5	NAP1L5
2.3	up	0.895	BAI1-associated protein 1	BAIAP1
2.3	up	3.469	KIAA0804 protein	KIAA0804
2.3	up	0.895	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	DDX28
2.3	up	1.632	Proteasome (prosome. macropain) 26S subunit. non-ATPase. 7 (Mov34 homolog)	PSMD7
2.3	up	2.487	serum/glucocorticoid regulated kinase-like	SGKL
2.3	up	0.371	RNA polymerase I associated factor 53	PAF53
2.3	up	3.469	Janus kinase 2 (a protein tyrosine kinase)	JAK2
2.3	up	1.632	methylosome protein 50	MEP50
2.3	up	1.632	visinin-like 1	VSNL1
2.3	up	1.632	filamin A interacting protein 1	FILIP1
2.3	up	0.895	origin recognition complex. subunit 2-like (yeast)	ORC2L

2.3	up	2.226	inhibitor of DNA binding 4. dominant negative helix-loop-helix protein	ID4
2.3	up	1.943	solute carrier family 16 (monocarboxylic acid transporters). member 1	SLC16A1
2.2	up	1.222	vacuolar protein sorting 24 (yeast)	VPS24
2.2	up	1.632	sodium channel. voltage-gated. type II. beta	SCN2B
2.2	up	2.226	intersectin 1 (SH3 domain protein)	ITSN1
2.2	up	1.632	Protein kinase. AMP-activated. gamma 2 non-catalytic subunit	PRKAG2
2.2	up	1.943	alpha-kinase 3	ALPK3
2.2	up	3.641	monooxygenase. DBH-like 1	MOXD1
2.2	up	1.517	dual specificity phosphatase 16	DUSP16
2.2	up	2.621	proline-rich nuclear receptor coactivator 1	PNRC1
2.2	up	2.345	leucine rich repeat containing 1	LRRC1
2.2	up	2.345	replication factor C (activator 1) 2. 40kDa	RFC2
2.2	up	1.943	cold inducible RNA binding protein	CIRBP
2.2	up	2.226	activating transcription factor 1	ATF1
2.2	up	1.943	nuclear factor (erythroid-derived 2)-like 2	NFE2L2
2.2	up	0.895	heat shock 90kDa protein 1. beta	HSPCB
2.2	up	0.895	DKFZP564G2022 protein	DKFZP564G2022
2.2	up	2.226	alkylglycerone phosphate synthase	AGPS
2.2	up	3.173	brain expressed. X-linked 1	BEX1
2.2	up	1.943	Histone deacetylase 4	HDAC4
2.2	up	1.222	sarcospan (Kras oncogene-associated gene)	SSPN
2.2	up	1.632	histone 2. H2be	HIST2H2BE
2.2	up	1.943	splicing factor. arginine/serine-rich 1 (splicing factor 2. alternate splicing factor)	SFRS1
2.2	up	3.641	Hermansky-Pudlak syndrome 5	HPS5
2.2	up	1.632	NMD3 homolog (S. cerevisiae)	NMD3
2.2	up	1.667	CCR4-NOT transcription complex. subunit 8	CNOT8
2.2	up	3.173	heparin-binding EGF-like growth factor	HBEGF
2.2	up	1.943	transmembrane 4 superfamily member 1	TM4SF1
2.2	up	4.362	CUG triplet repeat. RNA binding protein 2	CUGBP2
2.2	up	1.943	KIAA1571 protein	KIAA1571
2.2	up	1.517	I-mfa domain-containing protein	HIC
2.2	up	1.943	trophoblast-derived noncoding RNA	TncRNA

2.2	up	2.487	REV3-like. catalytic subunit of DNA polymerase zeta (yeast)	REV3L
2.1	up	1.943	lymphoid-restricted membrane protein	LRMP
2.1	up	0.991	amyloid beta (A4) precursor protein (protease nexin-II. Alzheimer disease)	APP
2.1	up	1.994	flavin containing monooxygenase 3	FMO3
2.1	up	2.226	syntaxin 16	STX16
2.1	up	2.345	Der1-like domain family. member 1	DERL1
2.1	up	2.226	protein S (alpha)	PROS1
2.1	up	1.943	AHA1. activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	AHSA2
2.1	up	1.943	ataxia telangiectasia mutated (includes complementation groups A. C and D)	ATM
2.1	up	3.641	secreted frizzled-related protein 4	SFRP4
2.1	up	4.362	mitochondrial ribosomal protein L44	MRPL44
2.1	up	2.345	EPH receptor A4	EPHA4
2.1	up	1.994	Ornithine decarboxylase antizyme inhibitor	OAZIN
2.1	up	2.487	tripartite motif-containing 2	TRIM2
2.1	up	2.487	DNA directed RNA polymerase II polypeptide J-related gene	POLR2J2
2.1	up	3.469	RIO kinase 3 (yeast) /// RIO kinase 3 (yeast)	RIOK3
2.1	up	3.173	G elongation factor. mitochondrial 1	GFM1
2.1	up	2.487	Proline rich 3	PRR3
2.1	up	1.517	nucleotide binding protein-like	NUBPL
2.1	up	1.517	ornithine decarboxylase antizyme inhibitor	OAZIN
2.1	up	4.108	CD47 antigen (Rh-related antigen. integrin-associated signal transducer)	CD47
2.1	up	0.371	KIAA0090 protein	KIAA0090
2.1	up	1.943	lysosomal-associated membrane protein 1	LAMP1
2.1	up	2.345	solute carrier family 8 (sodium/calcium exchanger). member 1	SLC8A1
2.1	up	3.469	sparc/osteonectin. cwcv and kazal-like domains proteoglycan (testican)	SPOCK
2.1	up	0.895	zinc finger protein 23 (KOX 16)	ZNF23
2.1	up	1.632	sortilin 1	SORT1
2.1	up	1.667	inositol polyphosphate-5-phosphatase. 40kDa	INPP5A
2.1	up	1.517	muskelin 1. intracellular mediator containing kelch motifs	MKLN1
2.1	up	2.226	putative NFkB activating protein 373	FLJ23091
2.1	up	1.632	SCO cytochrome oxidase deficient homolog 1 (yeast)	SCO1
2.1	up	1.632	MpV17 transgene. murine homolog. glomerulosclerosis	MPV17

2.1	up	0.895	uncharacterized hematopoietic stem/progenitor cells protein MDS028	MDS028
2.1	up	2.621	ectodermal-neural cortex (with BTB-like domain)	ENC1
2.1	up	2.868	fibroblast growth factor 2 (basic)	FGF2
2.1	up	1.632	Ubiquitin protein ligase E3A (human papilloma virus E6-associated protein. Angelman syndrome)	UBE3A
2.1	up	0.895	hexosaminidase B (beta polypeptide)	HEXB
2.1	up	2.487	homer homolog 3 (Drosophila)	HOMER3
2.1	up	2.868	myelin expression factor 2	MYEF2
2.1	up	1.943	PDZ and LIM domain 5	PDLIM5
2.1	up	4.362	FERM. RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)	FARP1
2.1	up	1.632	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D	NAPE-PLD
2.1	up	3.641	H2A histone family. member Y	H2AFY
2.1	up	1.222	Acidic (leucine-rich) nuclear phosphoprotein 32 family. member A	ANP32A
2.1	up	4.362	frizzled-related protein	FRZB
2.1	up	1.517	KIAA1797	KIAA1797
2.1	up	1.667	Transcription factor 12 (HTF4. helix-loop-helix transcription factors 4)	TCF12
2.1	up	1.943	heat shock 70kDa protein 4-like	HSPA4L
2.1	up	3.469	Rho GTPase activating protein 24	ARHGAP24
2.1	up	1.943	KIAA1458 protein	KIAA1458
2.1	up	1.632	collagen. type IV. alpha 5 (Alport syndrome)	COL4A5
2.0	up	2.621	implantation-associated protein	DKFZp564K142
2.0	up	1.632	protein tyrosine phosphatase. non-receptor type 11 (Noonan syndrome 1)	PTPN11
2.0	up	0.895	calumenin	CALU
2.0	up	3.641	glutamate-cysteine ligase. modifier subunit	GCLM
2.0	up	1.994	arginyl-tRNA synthetase-like	RARSL
2.0	up	2.621	PHD finger protein 17	PHF17
2.0	up	2.487	<i>protein tyrosine phosphatase. non-receptor type 11 (Noonan syndrome 1)</i>	<i>PTPN11</i>
2.0	up	1.517	acid phosphatase 6. lysophosphatidic	ACP6
2.0	up	2.487	solute carrier family 1 (glutamate/neutral amino acid transporter). member 4	SLC1A4
2.0	up	4.108	WNT1 inducible signaling pathway protein 1	WISP1
2.0	up	1.667	golgi SNAP receptor complex member 2	GOSR2
2.0	up	2.345	SWI/SNF related matrix associated actin dependent regulator of chromatin. subfamily a member 5	SMARCA5
2.0	up	2.868	peroxisomal acyl-CoA thioesterase 2B	PTE2B

2.0	up	4.757	ribonuclease P 14kDa subunit	RPP14
2.0	up	1.667	fragile X mental retardation. autosomal homolog 1	FXR1
2.0	up	2.226	cathepsin B	CTSB
2.0	up	1.632	ankylosis. progressive homolog (mouse)	ANKH
2.0	up	2.868	zinc finger protein 258	ZNF258
2.0	up	0.991	ornithine decarboxylase 1	ODC1
2.0	up	2.487	solute carrier family 20 (phosphate transporter). member 1	SLC20A1
2.0	up	1.632	Rap guanine nucleotide exchange factor (GEF) 6	RAPGEF6
2.0	up	3.868	ribulose-5-phosphate-3-epimerase	RPE
2.0	up	1.943	4-aminobutyrate aminotransferase	ABAT
2.0	up	1.943	N-ethylmaleimide-sensitive factor attachment protein. gamma	NAPG
2.0	up	2.868	KIAA1961 protein	RAPGEF6
2.0	up	3.173	solute carrier family 25 (mitochondrial carrier. brain). member 14	SLC25A14
2.0	up	2.345	HBS1-like (S. cerevisiae)	HBS1L
2.0	up	2.868	deleted in liver cancer 1	DLC1
2.0	up	3.469	Platelet derived growth factor C	PDGFC
2.0	up	3.173	heat shock 90kDa protein 1. beta	HSPCB
2.0	up	1.943	neural cell adhesion molecule 1	NCAM1
2.0	up	3.173	adenosine deaminase. tRNA-specific 1	ADAT1
2.0	up	1.632	growth arrest and DNA-damage-inducible. alpha	GADD45A
2.0	up	1.943	programmed cell death 8 (apoptosis-inducing factor)	PDCD8
2.0	up	0.991	trophoblast-derived noncoding RNA	TncRNA
2.0	up	1.943	SET translocation (myeloid leukemia-associated)	SET
2.0	up	2.621	protein kinase. AMP-activated. beta 1 non-catalytic subunit	PRKAB1
2.0	up	2.487	nestin	NES
2.0	up	1.994	KIAA1128	KIAA1128
2.0	up	1.667	transmembrane and coiled-coil domains 1	TMCC1
2.0	up	1.667	Choline phosphotransferase 1	CHPT1
2.0	up	2.226	Neuron navigator 1	NAV1
2.0	up	1.667	M-phase phosphoprotein. mpp8	HSMPP8
2.0	up	1.632	RAD1 homolog (S. pombe)	RAD1
2.0	up	1.517	PTK2 protein tyrosine kinase 2	PTK2

2.0	up	2.487	meiosis-specific nuclear structural protein 1	MNS1
2.0	up	2.868	ORM1-like 3 (<i>S. cerevisiae</i>)	ORMDL3
2.0	up	1.994	<i>sortilin 1</i>	<i>SORT1</i>
2.0	up	0.895	ring finger protein 184	RNF184
2.0	up	2.345	acyl-Coenzyme A dehydrogenase family. member 8	ACAD8
2.0	up	2.868	potassium inwardly-rectifying channel. subfamily J. member 4	KCNJ4
2.0	up	3.173	lipoic acid synthetase	LIAS
2.0	up	1.667	mitogen-activated protein kinase 1	MAPK1
2.0	up	2.621	AT rich interactive domain 5B (MRF1-like)	ARID5B
2.0	up	2.868	asparagine synthetase	ASNS
2.0	up	2.345	G elongation factor. mitochondrial 1	GFM1
2.0	up	1.222	YME1-like 1 (<i>S. cerevisiae</i>)	YME1L1
2.0	up	1.632	RNA binding motif protein 25	RBM25
2.0	up	2.487	mutS homolog 3 (<i>E. coli</i>)	MSH3
2.0	up	2.621	dickkopf homolog 3 (<i>Xenopus laevis</i>)	DKK3
2.0	up	3.868	gephyrin	GPHN

1.9	up	3.868	Casein kinase 1. alpha 1	CSNK1A1
1.9	up	1.632	putative NFkB activating protein 373	FLJ23091
1.9	up	4.757	restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)	RSN
1.9	up	1.943	kinesin family member 5B	KIF5B
1.9	up	1.667	LIM domain binding 3	LDB3
1.9	up	1.632	Likely homolog of rat kinase D-interacting substance of 220 kDa	KIDINS220
1.9	up	1.943	enabled homolog (<i>Drosophila</i>)	ENAH
1.9	up	3.173	Endomucin	EMCN
1.9	up	3.868	Synaptosomal-associated protein. 23kDa	SNAP23
1.9	up	2.226	SWI/SNF related matrix associated actin dependent regulator of chromatin. subfamily a member 2	SMARCA2
1.9	up	1.667	mitogen-activated protein kinase kinase kinase 3	MAP3K3
1.9	up	2.868	Ts translation elongation factor. mitochondrial	TSFM
1.9	up	1.632	ATPase. H+ transporting. lysosomal 56/58kDa. V1 subunit B. isoform 2	ATP6V1B2
1.9	up	3.173	GTPase activating Rap/RanGAP domain-like 3	GARNL3
1.9	up	2.345	origin recognition complex. subunit 5-like (yeast)	ORC5L
1.9	up	3.173	coatomer protein complex. subunit gamma 2	COPG2
1.9	up	2.868	protein kinase. AMP-activated. alpha 1 catalytic subunit	PRKAA1

1.9	up	2.868	putative MAPK activating protein	MGC3794
1.9	up	1.632	regulatory factor X. 5 (influences HLA class II expression)	RFX5
1.9	up	1.632	zinc finger protein 512	ZNF512
1.9	up	1.994	SMAD specific E3 ubiquitin protein ligase 2	SMURF2
1.9	up	1.943	leucine-rich repeats and immunoglobulin-like domains 1	LRIG1
1.9	up	4.108	DnaJ (Hsp40) homolog. subfamily A. member 4	DNAJA4
1.9	up	2.345	spectrin. beta. non-erythrocytic 1	SPTBN1
1.9	up	1.222	prostatic binding protein	PBP
1.9	up	1.994	Cdc42 guanine nucleotide exchange factor (GEF) 9	ARHGEF9
1.9	up	3.173	Cardiomyopathy associated 5	CMYA5
1.9	up	3.641	3-hydroxyisobutyryl-Coenzyme A hydrolase	HIBCH
1.9	up	2.345	v-jun sarcoma virus 17 oncogene homolog (avian)	JUN
1.9	up	2.487	PDZ and LIM domain 5	PDLIM5
1.9	up	0.991	fatty acid desaturase 1	FADS1
1.9	up	1.222	membrane-associated ring finger (C3HC4) 6	MARCH6
1.9	up	1.943	calumenin	CALU
1.9	up	2.345	FUS interacting protein (serine-arginine rich) 1	FUSIP1
1.9	up	1.994	peptidylprolyl isomerase D (cyclophilin D)	PPID
1.9	up	0.991	TAF15 RNA polymerase II. TATA box binding protein (TBP)-associated factor. 68kDa	TAF15
1.9	up	1.222	forkhead box O1A (rhabdomyosarcoma)	FOXO1A
1.9	up	1.517	HRAS-like suppressor	HRASLS
1.9	up	1.517	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 /// DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	DDX50
1.9	up	2.487	deafness. autosomal dominant 5	DFNA5
1.9	up	3.173	mitochondrial tumor suppressor 1	MTUS1
1.9	up	3.173	oxysterol binding protein-like 6	OSBPL6
1.9	up	4.362	cingulin-like 1	CGNL1
1.9	up	2.345	microtubule-associated protein 4	MAP4
1.9	up	1.632	zinc finger protein 183 (RING finger. C3HC4 type)	ZNF183
1.9	up	2.868	Phosphonoformate immuno-associated protein 5	PFAAP5
1.9	up	3.641	solute carrier family 39 (zinc transporter). member 6	SLC39A6
1.9	up	2.487	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein. theta polypeptide	YWHAQ
1.9	up	3.641	nuclear receptor subfamily 2. group C. member 1	NR2C1
1.9	up	1.994	nucleosome assembly protein 1-like 4	NAP1L4
1.9	up	1.943	baculoviral IAP repeat-containing 4	BIRC4
1.9	up	3.469	Factor for adipocyte differentiation 104	FAD104

1.9	up	1.517	septin 2	37500
1.9	up	5.308	ST3 beta-galactoside alpha-2.3-sialyltransferase 6	ST3GAL6
1.9	up	2.226	phosphatidylinositol glycan. class W	PIGW
1.9	up	4.108	<i>Neural cell adhesion molecule 1</i>	<i>NCAM1</i>
1.9	up	1.632	non-metastatic cells 7. protein expressed in (nucleoside-diphosphate kinase)	NME7
1.9	up	1.994	Opsin 1 (cone pigments). short-wave-sensitive (color blindness. tritan)	OPN1SW
1.9	up	5.091	cyclin-dependent kinase 8	CDK8
1.9	up	1.943	septin 2	37500
1.9	up	1.632	makorin. ring finger protein. 1	MKRN1
1.9	up	2.226	zinc finger protein 313	ZNF313
1.9	up	5.091	DAZ associated protein 2	DAZAP2
1.9	up	2.621	mortality factor 4	MORF4
1.9	up	2.487	protein kinase. cAMP-dependent. regulatory. type I. alpha (tissue specific extinguisher 1)	PRKAR1A
1.9	up	1.222	GABA(A) receptor-associated protein like 1	GABARAPL1
1.9	up	3.641	myeloid cell leukemia sequence 1 (BCL2-related)	MCL1
1.9	up	3.868	signal transducer and activator of transcription 1. 91kDa	STAT1
1.9	up	1.667	reticulon 3	RTN3
1.9	up	2.621	Ras association (RalGDS/AF-6) domain family 4	RASSF4
1.9	up	2.487	XIAP associated factor-1	HSXIAPAF1
1.9	up	1.943	protein phosphatase 1K (PP2C domain containing)	PPM1K
1.9	up	2.621	Kruppel-like factor 12	KLF12
1.9	up	2.621	protein kinase. AMP-activated. alpha 2 catalytic subunit	PRKAA2
1.9	up	2.487	spectrin. beta. non-erythrocytic 1	SPTBN1
1.9	up	3.868	zinc finger protein 10 (KOX 1)	ZNF10
1.9	up	3.173	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	SMU1
1.9	up	1.943	ring finger protein 125	RNF125
1.9	up	1.517	leucine rich repeat containing 2	LRRC2
1.9	up	4.362	HIV-1 rev binding protein 2	HRB2
1.9	up	3.641	protein phosphatase 2 (formerly 2A). regulatory subunit A (PR 65). beta isoform	PPP2R1B
1.9	up	2.487	voltage-dependent anion channel 1	VDAC1
1.9	up	4.108	cyclin T2	CCNT2
1.9	up	1.632	adaptor-related protein complex 3. mu 2 subunit	AP3M2
1.9	up	1.632	spastic paraplegia 21 (autosomal recessive. Mast syndrome)	SPG21
1.9	up	1.943	KIAA0141	KIAA0141
1.9	up	2.226	heat shock 90kDa protein 1. alpha	HSPCA

1.9	up	1.632	peroxisome proliferative activated receptor. alpha	PPARA
1.9	up	2.345	nuclear factor of activated T-cells. cytoplasmic. calcineurin-dependent 3	NFATC3
1.9	up	1.632	karyopherin alpha 6 (importin alpha 7)	KPNA6
1.9	up	2.345	NPD014 protein	NPD014
1.9	up	1.943	RAD1 homolog (S. pombe)	RAD1
1.9	up	3.469	kelch-like 3 (Drosophila)	KLHL3
1.9	up	1.994	M-phase phosphoprotein. mpp8	HSMPP8
1.9	up	2.621	leucine rich repeat (in FLII) interacting protein 1	LRRFIP1
1.9	up	1.517	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	CDS2
1.9	up	3.868	RAB GTPase activating protein 1-like	RABGAP1L
1.9	up	1.517	WD repeat domain 35	WDR35
1.9	up	3.173	midline 1 (Opitz/BBB syndrome)	MID1
1.9	up	3.173	Cytochrome c oxidase subunit IV isoform 1	COX4I1
1.9	up	2.868	butyrophilin. subfamily 3. member A3	BTN3A3
1.9	up	4.757	5-azacytidine induced 2	AZI2
1.9	up	3.469	membrane component. chromosome 11. surface marker 1	M11S1
1.9	up	2.868	solute carrier family 30 (zinc transporter). member 5	SLC30A5
1.9	up	2.226	DnaJ (Hsp40) homolog. subfamily B. member 6	DNAJB6
1.9	up	3.641	karyopherin alpha 4 (importin alpha 3)	KPNA4
1.9	up	2.868	cerebral cavernous malformations 1	CCM1
1.9	up	4.108	Zinc finger protein 146	ZNF146
1.9	up	2.487	Exostoses (multiple) 1	EXT1
1.9	up	1.943	solute carrier family 43. member 3	SLC43A3
1.9	up	2.345	protein phosphatase 2. regulatory subunit B (B56). gamma isoform	PPP2R5C
1.9	up	2.868	microfibrillar-associated protein 3	MFAP3
1.9	up	3.469	calnexin	CANX
1.9	up	1.222	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)	BUB3
1.8	up	4.362	Mitogen-activated protein kinase associated protein 1	MAPKAP1
1.8	up	4.108	zinc finger protein 281	ZNF281
1.8	up	1.667	guanylate binding protein 2. interferon-inducible	GBP2
1.8	up	2.487	WD repeat domain 9	WDR9
1.8	up	4.757	suppressor of cytokine signaling 2	SOCS2
1.8	up	2.868	AT rich interactive domain 5B (MRF1-like)	ARID5B
1.8	up	1.994	synaptotagmin binding. cytoplasmic RNA interacting protein	SYNCRIP
1.8	up	1.517	amylase. alpha 2A; pancreatic	AMY2A

1.8	up	0.895	arginyl-tRNA synthetase-like	RARSL
1.8	up	4.362	neighbor of BRCA1 gene 2	NBR2
1.8	up	5.308	<i>Interferon-related developmental regulator 1</i>	<i>IFRD1</i>
1.8	up	1.222	protein phosphatase 2 (formerly 2A). regulatory subunit B (PR 52). alpha isoform	PPP2R2A
1.8	up	2.868	transient receptor potential cation channel. subfamily V. member 1	TRPV1
1.8	up	3.868	cytoplasmic linker associated protein 2	CLASP2
1.8	up	4.757	latent transforming growth factor beta binding protein 2	LTBP2
1.8	up	4.362	golgi membrane protein SB140	SMAP-5
1.8	up	2.868	aldehyde dehydrogenase 3 family. member A2	ALDH3A2
1.8	up	1.517	procollagen-proline. 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase). alpha polypeptide I	P4HA1
1.8	up	2.621	cadherin 2. type 1. N-cadherin (neuronal)	CDH2
1.8	up	3.469	histone deacetylase 8	HDAC8
1.8	up	1.222	F-box protein 9	FBXO9
1.8	up	2.487	RAN binding protein 2-like 1	RANBP2L1
1.8	up	1.667	crystallin. zeta (quinone reductase)-like 1	CRYZL1
1.8	up	2.621	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	ENPP5
1.8	up	1.943	dishevelled. dsh homolog 3 (Drosophila)	DVL3
1.8	up	1.517	Ubiquitin specific protease 3	USP3
1.8	up	4.467	Kruppel-like factor 7 (ubiquitous)	KLF7
1.8	up	4.108	synaptosomal-associated protein. 23kDa	SNAP23
1.8	up	1.667	KIAA0355	KIAA0355
1.8	up	2.868	WD repeat domain 32	WDR32
1.8	up	1.517	Similar to Rab12 protein	RAB12
1.8	up	0.991	Glycogen synthase kinase 3 beta	GSK3B
1.8	up	3.469	5'-3' exoribonuclease 2	XRN2
1.8	up	4.757	transducin (beta)-like 1X-linked receptor 1	TBL1XR1
1.8	up	2.868	Zinc finger protein 331	ZNF331
1.8	up	1.632	makorin. ring finger protein. 2	MKRN2
1.8	up	4.108	aurora-A kinase interacting protein	AKIP
1.8	up	1.943	GABA(A) receptor-associated protein like 1	GABARAPL1
1.8	up	4.362	intersectin 1 (SH3 domain protein)	ITSN1
1.8	up	4.362	zinc finger. CCHC domain containing 9	ZCCHC9
1.8	up	3.868	SH3 domain binding glutamic acid-rich protein	SH3BGR
1.8	up	4.108	Ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog. yeast)	UBE2D3
1.8	up	2.868	DnaJ (Hsp40) homolog. subfamily D. member 1	DNAJD1

1.8	up	2.868	zinc finger protein 600	ZNF600
1.8	up	2.487	methionyl aminopeptidase 2	METAP2
1.8	up	3.469	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein. beta polypeptide	YWHAB
1.8	up	3.641	DnaJ (Hsp40) homolog. subfamily A. member 4	DNAJA4
1.8	up	1.222	meningioma expressed antigen 5 (hyaluronidase)	MGEA5
1.8	up	3.469	uridine monophosphate synthetase	UMPS
1.8	up	2.487	CD59 antigen p18-20	CD59
1.8	up	3.641	reticulon 4 interacting protein 1	RTN4IP1
1.8	up	4.362	succinate dehydrogenase complex. subunit C. integral membrane protein. 15kDa	SDHC
1.8	up	4.362	Hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6PD
1.8	up	1.667	coiled-coil-helix-coiled-coil-helix domain containing 4	CHCHD4
1.8	up	2.621	WD repeat domain 8	WDR8
1.8	up	4.757	Ankyrin 1. erythrocytic	ANK1
1.8	up	1.632	tripartite motif-containing 44	TRIM44
1.8	up	5.091	acyl-Coenzyme A binding domain containing 5	ACBD5
1.8	up	1.994	ischemia/reperfusion inducible protein	YRDC
1.8	up	2.621	v-jun sarcoma virus 17 oncogene homolog (avian)	JUN
1.8	up	1.943	DNA helicase HEL308	HEL308
1.8	up	4.362	FOS-like antigen 2	FOSL2
1.8	up	2.487	peptidylprolyl isomerase D (cyclophilin D)	PPID
1.8	up	2.868	calmodulin 1 (phosphorylase kinase. delta)	CALM1
1.8	up	1.994	makorin. ring finger protein. 2	MKRN2
1.8	up	3.469	integrin. beta 1 (fibronectin receptor. beta polypeptide. antigen CD29 includes MDF2. MSK12)	ITGB1
1.8	up	3.469	RAD21 homolog (S. pombe)	RAD21
1.8	up	1.943	FLJ20758 protein	FLJ20758
1.8	up	3.641	solute carrier family 35. member E1	SLC35E1
1.8	up	3.173	UPF3 regulator of nonsense transcripts homolog A (yeast)	UPF3A
1.8	up	1.943	hexokinase 1	HK1
1.8	up	4.467	ST3 beta-galactoside alpha-2.3-sialyltransferase 6	ST3GAL6
1.8	up	2.621	Phosphatidylinositol transfer protein. beta	PITPNB
1.8	up	2.487	eukaryotic translation initiation factor 5B	EIF5B
1.8	up	2.487	receptor tyrosine kinase-like orphan receptor 1	ROR1
1.8	up	4.757	ST8 alpha-N-acetyl-neuraminide alpha-2.8-sialyltransferase 4	ST8SIA4
1.8	up	1.667	membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1	MTCBP-1
1.8	up	1.667	F-box protein 21	FBXO21

1.8	up	4.108	T-cell activation kelch repeat protein	TA-KRP
1.8	up	2.868	WD40 repeat protein Interacting with phospholinositides of 49kDa	WIPI49
1.8	up	3.469	WD repeat domain 39	WDR39
1.8	up	5.091	mitogen-activated protein kinase associated protein 1	MAPKAP1
1.8	up	2.868	Shwachman-Bodian-Diamond syndrome	SBDS
1.8	up	4.362	cyclin B1	CCNB1
1.8	up	0.895	Rho GTPase activating protein 17	ARHGAP17
1.8	up	4.757	heterogeneous nuclear ribonucleoprotein C (C1/C2)	HNRPC
1.8	up	1.632	CDW92 antigen	CDW92
1.8	up	2.345	Actinin. alpha 1	ACTN1
1.8	up	3.469	similar to CG4502-PA	LOC134111
1.8	up	1.943	praja 2. RING-H2 motif containing	PJA2
1.8	up	2.868	protein phosphatase 1. regulatory (inhibitor) subunit 3C	PPP1R3C
1.8	up	2.345	methyl-CpG binding domain protein 4	MBD4
1.8	up	2.345	CCR4-NOT transcription complex. subunit 8	CNOT8
1.8	up	2.621	heterogeneous nuclear ribonucleoprotein H2 (H')	HNRPH2
1.8	up	2.487	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1
1.8	up	3.469	transmembrane protein 30A	TMEM30A
1.8	up	4.108	DEAH (Asp-Glu-Ala-His) box polypeptide 36	DHX36
1.8	up	1.943	Shwachman-Bodian-Diamond syndrome	SBDS
1.8	up	3.173	zinc finger RNA binding protein	ZFR
1.8	up	4.362	Adaptor-related protein complex 1. sigma 2 subunit	AP1S2
1.8	up	5.091	serine palmitoyltransferase. long chain base subunit 1	SPTLC1
1.8	up	2.868	ret finger protein 2	RFP2
1.8	up	1.943	Ankylosis. progressive homolog (mouse)	ANKH
1.8	up	1.943	tripartite motif-containing 33	TRIM33
1.8	up	2.487	lipoprotein lipase	LPL
1.8	up	2.345	neuronal growth regulator 1	NEGR1
1.8	up	3.469	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen). member 16	SLC25A16
1.8	up	2.868	SEC63-like (S. cerevisiae)	SEC63
1.8	up	1.943	neutral sphingomyelinase (N-SMase) activation associated factor	NSMAF
1.8	up	3.469	villin 2 (ezrin)	VIL2
1.8	up	3.641	melanoma antigen family D. 1	MAGED1
1.8	up	2.226	transmembrane protein 22	TMEM22
1.8	up	3.173	KIAA1466 gene	KIAA1466

1.8	up	5.091	kelch repeat and BTB (POZ) domain containing 2	KBTBD2
1.8	up	1.994	laminin. alpha 2 (merosin. congenital muscular dystrophy)	LAMA2
1.8	up	4.362	RAB1A. member RAS oncogene family	RAB1A
1.8	up	2.868	amyotrophic lateral sclerosis 2 (juvenile) chromosome region. candidate 4	ALS2CR4
1.8	up	1.994	adaptor-related protein complex 2. mu 1 subunit	AP2M1
1.8	up	4.467	amyloid beta (A4) precursor protein-binding. family B. member 2 (Fe65-like)	APBB2
1.8	up	4.362	tribbles homolog 2 (Drosophila)	TRIB2
1.8	up	1.943	RP42 homolog	RP42
1.8	up	3.469	mitogen-activated protein kinase 1	MAPK1
1.8	up	3.641	succinate dehydrogenase complex. subunit C. integral membrane protein. 15kDa	SDHC
1.8	up	1.943	cysteine-rich with EGF-like domains 1	CRELD1
1.8	up	3.641	zinc finger protein 91 (HPF7. HTF10)	ZNF91
1.8	up	2.621	parvin. alpha	PARVA
1.8	up	2.345	NFS1 nitrogen fixation 1 (S. cerevisiae)	NFS1
1.8	up	2.621	Jumonji. AT rich interactive domain 1A (RBBP2-like)	JARID1A
1.8	up	1.943	ring finger protein (C3HC4 type) 8	RNF8
1.8	up	1.222	glycyl-tRNA synthetase	GARS
1.8	up	4.757	galactose mutarotase (aldose 1-epimerase)	GALM
1.8	up	3.469	membrane interacting protein of RGS16	MIR16
1.8	up	3.469	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1	CBLL1
1.8	up	2.868	NADH dehydrogenase (ubiquinone) 1. subcomplex unknown. 1. 6kDa	NDUFC1
1.8	up	4.757	alpha-kinase 3	ALPK3
1.8	up	3.173	trophinin	TRO
1.8	up	4.362	enolase superfamily member 1	ENOSF1
1.8	up	4.362	Disrupted in schizophrenia 1	DISC1
1.8	up	4.362	leucine-rich repeats and calponin homology (CH) domain containing 3	LRCH3
1.8	up	3.173	TATA box binding protein (TBP)-associated factor. RNA polymerase I. A. 48kDa	TAF1A
1.8	up	0.895	myotubularin related protein 9	MTMR9
1.8	up	5.091	THUMP domain containing 3	THUMPD3
1.8	up	5.091	isocitrate dehydrogenase 3 (NAD+) alpha	IDH3A
1.8	up	3.173	protein phosphatase 1K (PP2C domain containing)	PPM1K
1.7	up	3.469	dual specificity phosphatase 5	DUSP5
1.7	up	2.226	ankyrin repeat and SOCS box-containing 3	ASB3
1.7	up	2.345	Nudix (nucleoside diphosphate linked moiety X)-type motif 3	NUDT3
1.7	up	2.226	heterogeneous nuclear ribonucleoprotein C (C1/C2)	HNRPC

1.7	up	4.757	membrane component. chromosome 11. surface marker 1	M11S1
1.7	up	2.621	alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog. <i>S. cerevisiae</i>)	ATRX
1.7	up	2.621	cyclin D1 (PRAD1: parathyroid adenomatosis 1)	CCND1
1.7	up	4.108	ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin A-inhibited)	ARFGEF1
1.7	up	2.621	phosphoglycerate kinase 1	PGK1
1.7	up	3.868	ribosomal L1 domain containing 1	RSL1D1
1.7	up	3.469	3-oxoacid CoA transferase 1	OXCT1
1.7	up	4.362	activating signal cointegrator 1 complex subunit 1	ASCC1
1.7	up	4.362	cytochrome P450. family 39. subfamily A. polypeptide 1	CYP39A1
1.7	up	3.173	nipsnap homolog 3B (<i>C. elegans</i>)	NIPSNAP3B
1.7	up	2.621	RAB11A. member RAS oncogene family	RAB11A
1.7	up	4.108	Ribosomal protein S27 (metallopanstimulin 1)	PP1057
1.7	up	1.943	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2. Pfeiffer syndrome)	FGFR1
1.7	up	1.994	ELOVL family member 6. elongation of long chain fatty acids (FEN1/Elo2. SUR4/Elo3-like. yeast)	ELOVL6
1.7	up	3.469	KIAA1191 protein	KIAA1191
1.7	up	3.868	heat shock 70kDa protein 9B (mortalin-2)	HSPA9B
1.7	up	3.469	glycine receptor. beta	GLRB
1.7	up	3.173	glutamine-fructose-6-phosphate transaminase 1	GFPT1
1.7	up	4.108	serine/threonine kinase 32C	STK32C
1.7	up	2.345	tripartite motif-containing 52	TRIM52
1.7	up	2.226	microtubule associated serine/threonine kinase family member 4	MAST4
1.7	up	4.362	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	KDEL2
1.7	up	5.091	KIAA1586	KIAA1586
1.7	up	5.091	phosphatidylcholine transfer protein	PCTP
1.7	up	1.632	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1
1.7	up	4.757	zinc finger protein 430	ZNF430
1.7	up	3.469	eukaryotic translation initiation factor 3. subunit 10 theta. 150/170kDa	EIF3S10
1.7	up	4.108	caspase 4. apoptosis-related cysteine protease	CASP4
1.7	up	3.173	Ring finger protein 149	RNF149
1.7	up	3.868	RuvB-like 1 (<i>E. coli</i>)	RUVBL1
1.7	up	3.173	UDP-Gal:betaGlcNAc beta 1.3-galactosyltransferase. polypeptide 3	B3GALT3
1.7	up	1.632	RAB40C. member RAS oncogene family	RAB40C
1.7	up	4.757	NTKL-binding protein 1	FLJ11752
1.7	up	4.362	Testis expressed sequence 27	TEX27
1.7	up	2.868	tripartite motif-containing 55	TRIM55

1.7	up	1.222	phosphatidylinositol glycan. class M	PIGM
1.7	up	2.487	phosphoglycerate kinase 1	PGK1
1.7	up	3.173	synaptotagmin XI	SYT11
1.7	up	1.632	F-box protein 25	FBXO25
1.7	up	4.108	CDW92 antigen	CDW92
1.7	up	3.641	sin3-associated polypeptide. 18kDa	SAP18
1.7	up	3.868	Protein tyrosine phosphatase. non-receptor type 11 (Noonan syndrome 1)	PTPN11
1.7	up	1.222	etoposide induced 2.4 mRNA	EI24
1.7	up	4.362	RIO kinase 3 (yeast)	RIOK3
1.7	up	5.091	DEAH (Asp-Glu-Ala-His) box polypeptide 15	DHX15
1.7	up	2.621	high mobility group nucleosomal binding domain 4	HMGN4
1.7	up	5.722	Transmembrane anchor protein 1	TMAP1
1.7	up	1.667	HOM-TES-103 tumor antigen-like	HOM-TES-103
1.7	up	5.091	DCP2 decapping enzyme homolog (S. cerevisiae)	DCP2
1.7	up	4.108	Ubiquitin specific protease 54	USP54
1.7	up	3.469	beta-carotene dioxygenase 2	BCDO2
1.7	up	3.868	Chromodomain helicase DNA binding protein 1-like	CHD1L
1.7	up	2.868	DRE1 protein	DRE1
1.7	up	3.173	likely ortholog of mouse limb-bud and heart gene	LBH
1.7	up	3.641	ATPase. Na ⁺ /K ⁺ transporting. alpha 2 (+) polypeptide	ATP1A2
1.7	up	3.641	SFRS protein kinase 2	SRPK2
1.7	up	3.868	Phosphatidylinositol-specific phospholipase C. X domain containing 2	PLCXD2
1.7	up	4.757	cell division cycle 42 (GTP binding protein. 25kDa)	CDC42
1.7	up	4.467	RNA binding motif. single stranded interacting protein 1	RBMS1
1.7	up	2.621	myelin expression factor 2	MYEF2
1.7	up	3.868	PHD finger protein 15	PHF15
1.7	up	3.641	solute carrier family 33 (acetyl-CoA transporter). member 1	SLC33A1
1.7	up	3.641	RAB18. member RAS oncogene family	RAB18
1.7	up	3.469	hyaluronan binding protein 4	HABP4
1.7	up	1.943	eukaryotic translation initiation factor 4B	EIF4B
1.7	up	4.757	RPA interacting protein	RIP
1.7	up	2.487	E1A binding protein p400	EP400
1.7	up	2.226	coilin	COIL
1.7	up	3.469	Ephrin-A5	EFNA5
1.7	up	3.469	zinc finger protein 271	ZNF271

1.7	up	1.994	tetratricopeptide repeat domain 19	TTC19
1.7	up	2.345	cation channel. sperm associated 2	CATSPER2
1.7	up	2.487	fused toes homolog (mouse)	FTS
1.7	up	4.362	Muscleblind-like (Drosophila)	MBNL1
1.7	up	1.667	DKFZP564F0522 protein	DKFZP564F0522
1.7	up	1.994	RNA pseudouridylate synthase domain containing 3	RPUSD3
1.7	up	3.469	prostate cancer antigen-1	DEPC-1
1.7	up	4.757	coatamer protein complex. subunit alpha	COPA
1.7	up	2.345	SKI interacting protein	SKIIP
1.7	up	2.621	Phosphoglycerate kinase 1	PGK1
1.7	up	1.994	trinucleotide repeat containing 15	TNRC15
1.7	up	4.362	aprataxin	APTX
1.7	up	4.757	Arg/Abl-interacting protein ArgBP2	ARGBP2
1.7	up	3.469	KIAA0853	KIAA0853
1.7	up	1.994	t-complex 1	TCP1
1.7	up	4.467	sorting nexin 2	SNX2
1.7	up	3.469	suppression of tumorigenicity 7 like	ST7L
1.7	up	2.868	ALL1 fused gene from 5q31	AF5Q31
1.7	up	3.469	phosphorylase kinase. beta	PHKB
1.7	up	1.994	ubiquitin-conjugating enzyme E2N (UBC13 homolog. yeast)	UBE2N
1.7	up	2.621	General transcription factor IIA. 2. 12kDa	GTF2A2
1.7	up	2.868	transmembrane 9 superfamily member 2	TM9SF2
1.7	up	4.108	gamma-aminobutyric acid (GABA) A receptor. alpha 4	GABRA4
1.7	up	4.362	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog. yeast)	UBE2D3
1.7	up	4.757	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	DDX52
1.7	up	3.868	ERO1-like beta (S. cerevisiae)	ERO1LB
1.7	up	4.467	DNA polymerase-transactivated protein 6	DNAPTP6
1.7	up	2.868	CCR4-NOT transcription complex. subunit 2	CNOT2
1.7	up	5.091	Receptor associated protein 80	RAP80
1.7	up	2.621	ubiquitin specific protease 16	USP16
1.7	up	2.345	prune homolog (Drosophila)	PRUNE
1.7	up	4.757	nicotinamide nucleotide transhydrogenase	NNT
1.7	up	2.621	Zinc finger protein 75a	ZNF75A
1.7	up	2.487	likely ortholog of mouse acyl-Coenzyme A thioesterase 2. mitochondrial	ACATE2
1.7	up	5.091	cytochrome c oxidase subunit Va	COX5A

1.7	up	3.469	replication protein A1. 70kDa	RPA1
1.7	up	4.362	Sorting nexin 1	SNX1
1.7	up	3.641	Chloride intracellular channel 5	CLIC5
1.7	up	1.667	lipin 1	LPIN1
1.7	up	2.345	isoprenylcysteine carboxyl methyltransferase	ICMT
1.7	up	1.943	KIAA0073 protein	KIAA0073
1.7	up	2.868	guanosine monophosphate reductase 2	GMPT2
1.7	up	4.362	BH-protocadherin (brain-heart)	PCDH7
1.7	up	1.994	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	ST13
1.7	up	3.641	FGFR1 oncogene partner 2	FGFR1OP2
1.7	up	3.173	Tensin	TNS
1.7	up	1.943	postmeiotic segregation increased 2-like 1	PMS2L1
1.7	up	3.641	single-stranded DNA binding protein 2	SSBP2
1.7	up	2.487	villin 2 (ezrin)	VIL2
1.7	up	2.621	cirrhosis. autosomal recessive 1A (cirhin)	CIRH1A
1.7	up	1.517	isoprenylcysteine carboxyl methyltransferase	ICMT
1.7	up	4.467	butyrophilin. subfamily 3. member A2	BTN3A2
1.7	up	4.757	<i>fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2. Pfeiffer syndrome)</i>	<i>FGFR1</i>
1.7	up	4.757	zinc finger protein 330	ZNF330
1.7	up	3.868	leucine rich repeat (in FLII) interacting protein 1	LRRFIP1
1.7	up	4.362	ring finger protein 146	RNF146
1.7	up	3.173	S-adenosylhomocysteine hydrolase-like 1	AHCYL1
1.7	up	3.173	ataxin 10	ATXN10
1.7	up	2.345	MKI67 (FHA domain) interacting nucleolar phosphoprotein	MKI67IP
1.7	up	5.308	OCIA domain containing 1	OCIAD1
1.7	up	2.621	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog. Drosophila); translocated to. 4	MLLT4
1.7	up	4.362	nuclear receptor coactivator 3	NCOA3
1.7	up	2.868	plakophilin 4	PKP4
1.7	up	2.226	mesenchymal stem cell protein DSC92	NEUGRIN
1.7	up	3.173	lactate dehydrogenase A	LDHA
1.7	up	2.226	SPTF-associated factor 65 gamma	STAF65(gamma)
1.7	up	4.362	integral membrane protein 1	ITM1
1.7	up	1.517	prolyl endopeptidase	PREP
1.7	up	2.621	T-complex-associated-testis-expressed 1-like 1	TCTEL1
1.7	up	2.345	tumor differentially expressed 1	TDE1

1.7	up	3.469	putative prolyl oligopeptidase	KIAA0436
1.7	up	2.868	tetratricopeptide repeat domain 3	TTC3
1.7	up	2.345	retinoblastoma binding protein 4	RBBP4
1.7	up	3.173	AP2 associated kinase 1	AAK1
1.7	up	3.641	adenylate kinase 2	AK2
1.7	up	4.362	regulatory solute carrier protein. family 1. member 1	RSC1A1
1.7	up	1.943	CGI-30 protein	CGI-30
1.7	up	2.621	Rab geranylgeranyltransferase. beta subunit	RABGGTB
1.7	up	4.362	caspase 3. apoptosis-related cysteine protease	CASP3
1.7	up	2.226	tumor protein p53 binding protein. 2	TP53BP2
1.7	up	1.943	proteasome (prosome. macropain) subunit. alpha type. 1	PSMA1
1.7	up	4.108	mutS homolog 2. colon cancer. nonpolyposis type 1 (E. coli)	MSH2
1.7	up	2.621	anthrax toxin receptor 2	ANTXR2
1.7	up	3.868	synaptotagmin-like 2	SYTL2
1.7	up	1.994	RAB31. member RAS oncogene family	RAB31
1.7	up	2.621	serine racemase	SRR
1.7	up	3.868	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein. eta polypeptide	YWHAH
1.7	up	4.108	ribulose-5-phosphate-3-epimerase	RPE
1.7	up	2.226	poly(A)-specific ribonuclease (deadenylation nuclease)	PARN
1.7	up	2.487	putative intramembrane cleaving protease	SPPL2A
1.7	up	4.108	membrane component. chromosome 11. surface marker 1	M11S1
1.7	up	2.345	amyotrophic lateral sclerosis 2 (juvenile) chromosome region. candidate 15	ALS2CR15
1.7	up	3.173	membrane-associated ring finger (C3HC4) 5	MARCH5
1.7	up	3.173	sin3-associated polypeptide. 18kDa	SAP18
1.7	up	3.173	insulin-like growth factor 2 receptor	IGF2R
1.7	up	4.362	guanine nucleotide binding protein (G protein). beta polypeptide 1	GNB1
1.7	up	3.868	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	TFPI
1.7	up	4.108	aminoadipate-semialdehyde synthase	AASS
1.7	up	2.226	transcription elongation factor A (SII)-like 8	TCEAL8
1.7	up	2.868	Kinesin family member 13A	KIF13A
1.7	up	4.362	testis specific. 14	TSGA14
1.7	up	3.173	eukaryotic translation initiation factor 5B	EIF5B
1.7	up	2.487	general transcription factor IIIC. polypeptide 3. 102kDa	GTF3C3
1.7	up	1.994	transmembrane and coiled-coil domains 1	TMCC1
1.7	up	4.108	calcitonin gene-related peptide-receptor component protein	RCP9

1.7	up	3.173	crystallin. zeta (quinone reductase)	CRYZ
1.7	up	4.108	Sec61 beta subunit	SEC61B
1.7	up	4.108	karyopherin alpha 1 (importin alpha 5)	KPNA1
1.7	up	1.994	<i>cathepsin B</i>	<i>CTSB</i>
1.7	up	3.469	zinc finger protein 415	ZNF415
1.7	up	3.173	FUS interacting protein (serine-arginine rich) 1	FUSIP1
1.7	up	4.108	EPH receptor A4	EPHA4
1.7	up	2.345	golgi autoantigen. golgin subfamily a. 7	GOLGA7
1.7	up	5.091	solute carrier family 25 (carnitine/acylcarnitine translocase). member 20	SLC25A20
1.7	up	4.362	AT rich interactive domain 5B (MRF1-like)	ARID5B
1.7	up	4.108	annexin A4	ANXA4
1.7	up	3.469	purine-rich element binding protein B	PURB
1.7	up	3.641	heterogeneous nuclear ribonucleoprotein A/B	HNRPAB
1.7	up	5.091	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	MALAT1
1.7	up	4.362	Ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog. yeast)	UBE2D3
1.7	up	3.469	retinoblastoma binding protein 6	RBBP6
1.7	up	4.108	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	DLAT
1.7	up	4.757	pinin. desmosome associated protein	PNN
1.7	up	3.641	heat shock 105kDa/110kDa protein 1	HSPH1
1.7	up	3.469	Mak3 homolog (S. cerevisiae)	MAK3
1.7	up	2.487	Heterogeneous nuclear ribonucleoprotein A2/B1	HNRPA2B1
1.7	up	4.108	myeloid cell leukemia sequence 1 (BCL2-related)	MCL1
1.7	up	2.487	solute carrier family 35. member B1	SLC35B1
1.7	up	2.868	mitochondrial translation optimization 1 homolog (S. cerevisiae)	MTO1
1.7	up	3.173	coatamer protein complex. subunit zeta 1	COPZ1
1.7	up	4.757	peroxisome biogenesis factor 1	PEX1
1.7	up	3.641	Potassium channel tetramerisation domain containing 7	KCTD7
1.7	up	2.487	MKI67 (FHA domain) interacting nucleolar phosphoprotein	MKI67IP
1.7	up	3.469	heterogeneous nuclear ribonucleoprotein K	HNRPK
1.7	up	1.994	erythrocyte membrane protein band 4.1 like 5	EPB41L5
1.7	up	2.868	methionine-tRNA synthetase 2 (mitochondrial)	MARS2
1.7	up	2.621	suppressor of Ty 4 homolog 1 (S. cerevisiae)	SUPT4H1
1.7	up	2.868	Phospholipase C. epsilon 1	PLCE1
1.7	up	2.621	F-box and leucine-rich repeat protein 7	FBXL7
1.7	up	3.641	KIAA0513	KIAA0513

1.7	up	1.222	SHQ1 homolog (<i>S. cerevisiae</i>)	SHQ1
1.7	up	1.943	5'-3' exoribonuclease 2	XRN2
1.7	up	2.868	ADP-ribosylation factor-like 10C	ARL10C
1.7	up	4.467	BAI1-associated protein 1	BAIAP1
1.7	up	1.517	zinc finger protein 403	ZNF403
1.7	up	2.345	voltage-dependent anion channel 1	VDAC1
1.7	up	5.091	ATPase. Class V. type 10D	ATP10D
1.7	up	3.868	propionyl Coenzyme A carboxylase. beta polypeptide	PCCB
1.7	up	3.469	Ribosomal protein L10a	RPL10A
1.7	up	2.226	Vacuolar protein sorting 33A (yeast)	VPS33A
1.7	up	4.108	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)	ARFGEF2
1.7	up	2.487	F-box protein 32	FBXO32
1.7	up	3.469	BAI1-associated protein 1	BAIAP1
1.7	up	3.469	zinc finger protein 514	ZNF514
1.7	up	2.868	SMAD. mothers against DPP homolog 2 (<i>Drosophila</i>)	SMAD2
1.7	up	3.469	Huntingtin interacting protein C	HYPIC
1.7	up	2.487	CD59 antigen p18-20	CD59
1.7	up	1.943	glutamate receptor. ionotropic. N-methyl D-aspartate-like 1A	GRINL1A
1.7	up	2.345	coxsackie virus and adenovirus receptor	CXADR
1.7	up	4.362	Abl interactor 2	ABI2
1.7	up	3.868	DNA cross-link repair 1C (PSO2 homolog. <i>S. cerevisiae</i>)	DCLRE1C
1.7	up	4.362	SWAP-70 protein	SWAP70
1.7	up	2.487	HT014	HT014
1.7	up	2.345	KIAA1958	KIAA1958
1.7	up	3.469	ATPase family. AAA domain containing 2	ATAD2
1.7	up	2.621	transcription factor CP2	TFCP2
1.7	up	4.757	Mitogen-activated protein kinase kinase 5	MAP2K5
1.7	up	1.943	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein. beta polypeptide	YWHAB
1.6	up	4.362	Down syndrome critical region gene 3	DSCR3
1.6	up	3.173	protein kinase. AMP-activated. gamma 1 non-catalytic subunit	PRKAG1
1.6	up	3.868	KIAA1393	KIAA1393
1.6	up	4.108	signal sequence receptor. alpha (translocon-associated protein alpha)	SSR1
1.6	up	2.345	gamma tubulin ring complex protein (76p gene)	76P
1.6	up	1.994	CDW92 antigen	CDW92
1.6	up	2.868	SEC24 related gene family. member C (<i>S. cerevisiae</i>)	SEC24C

1.6	up	2.487	BBP-like protein 1	BLP1
1.6	up	4.362	mitogen-activated protein kinase 1	MAPK1
1.6	up	3.868	hephaestin	HEPH
1.6	up	1.943	myosin. heavy polypeptide 10. non-muscle	MYH10
1.6	up	2.868	adiponectin receptor 1	ADIPOR1
1.6	up	5.091	actin related protein 2/3 complex. subunit 1A. 41kDa	ARPC1A
1.6	up	3.173	inositol polyphosphate-5-phosphatase F	INPP5F
1.6	up	4.362	DnaJ (Hsp40) homolog. subfamily B. member 11	DNAJB11
1.6	up	3.173	Acetyl-Coenzyme A synthetase 2 (ADP forming)	ACAS2
1.6	up	2.345	cell division cycle 27	CDC27
1.6	up	4.108	Protein phosphatase 3 (formerly 2B). catalytic subunit. alpha isoform (calcineurin A alpha)	PPP3CA
1.6	up	4.757	exostoses (multiple) 2	EXT2
1.6	up	1.517	DKFZP564O0463 protein	DKFZP564O0463
1.6	up	5.091	HERV-H LTR-associating 3	HHLA3
1.6	up	3.641	WW domain containing oxidoreductase	WWOX
1.6	up	4.362	growth arrest-specific 5	GAS5
1.6	up	1.994	transmembrane 4 superfamily member 8	TM4SF8
1.6	up	2.345	methionine adenosyltransferase II. beta	MAT2B
1.6	up	1.667	acetylserotonin O-methyltransferase-like	ASMTL
1.6	up	4.362	SUMO-1 activating enzyme subunit 1	SAE1
1.6	up	3.173	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1. 37kDa)	HNRPD
1.6	up	2.345	histidyl-tRNA synthetase 2	HARS2
1.6	up	4.108	Down syndrome critical region gene 2	DSCR2
1.6	up	2.621	phosphomannomutase 1	PMM1
1.6	up	1.943	MAP kinase interacting serine/threonine kinase 1	MKNK1
1.6	up	3.641	amyloid beta (A4) precursor-like protein 2	APLP2
1.6	up	3.173	Williams Beuren syndrome chromosome region 22	WBSCR22
1.6	up	3.469	solute carrier organic anion transporter family. member 3A1	SLCO3A1
1.6	up	2.868	Farnesyl-diphosphate farnesyltransferase 1	FDFT1
1.6	up	5.091	<i>Cathepsin B</i>	<i>CTSB</i>
1.6	up	4.362	embryonic ectoderm development	EED
1.6	up	2.345	cullin 3	CUL3
1.6	up	2.621	SH3-domain GRB2-like endophilin B1	SH3GLB1
1.6	up	1.667	YME1-like 1 (<i>S. cerevisiae</i>)	YME1L1
1.6	up	2.226	G1 to S phase transition 1 /// G1 to S phase transition 1	GSPT1

1.6	up	2.226	Sp3 transcription factor	SP3
1.6	up	4.362	SM-11044 binding protein	SMBP
1.6	up	1.943	fucosidase. alpha-L- 2. plasma	FUCA2
1.6	up	4.757	nucleolin	NCL
1.6	up	2.345	peroxisome biogenesis factor 13	PEX13
1.6	up	4.362	SNF-1 related kinase	SNRK
1.6	up	4.757	zinc finger protein (C2H2 type) 277	ZNF277
1.6	up	2.868	ubiquilin 1	UBQLN1
1.6	up	1.943	<i>nuclear factor of activated T-cells. cytoplasmic. calcineurin-dependent 3</i>	NFATC3
1.6	up	4.362	KIAA1279	KIAA1279
1.6	up	4.362	ataxia telangiectasia mutated (includes complementation groups A. C and D)	ATM
1.6	up	5.091	ATPase. H+ transporting. lysosomal 38kDa. V0 subunit d isoform 1	ATP6V0D1
1.6	up	4.757	melanoma cell adhesion molecule	MCAM
1.6	up	3.469	dystrobrevin. alpha	DTNA
1.6	up	2.868	enamelin	ENAM
1.6	up	4.757	LIM and cysteine-rich domains 1	LMCD1
1.6	up	2.345	guanine nucleotide binding protein (G protein). alpha inhibiting activity polypeptide 1	GNAI1
1.6	up	4.362	ceroid-lipofuscinosis. neuronal 8 (epilepsy. progressive with mental retardation)	CLN8
1.6	up	4.108	Glutamate-ammonia ligase (glutamine synthase)	GLUL
1.6	up	4.757	FCH and double SH3 domains 2	FCHSD2
1.6	up	2.345	cytochrome c. somatic	CYCS
1.6	up	2.621	small nuclear ribonucleoprotein D1 polypeptide 16kDa	SNRPD1
1.6	up	3.868	amyloid beta (A4) precursor-like protein 2	APLP2
1.6	up	4.467	seryl-tRNA synthetase	SARS
1.6	up	4.757	regeneration associated muscle protease	DKFZP586H2123
1.6	up	2.621	KIAA0759	KIAA0759
1.6	up	3.469	ARP2 actin-related protein 2 homolog (yeast)	ACTR2
1.6	up	2.868	survival of motor neuron protein interacting protein 1	SIP1
1.6	up	3.469	cofactor required for Sp1 transcriptional activation. subunit 6. 77kDa	CRSP6
1.6	up	2.345	actinin. alpha 2	ACTN2
1.6	up	1.632	CGI-30 protein	CGI-30
1.6	up	4.108	<i>nuclear factor of activated T-cells. cytoplasmic. calcineurin-dependent 4</i>	NFATC4
1.6	up	1.632	egl nine homolog 1 (C. elegans)	EGLN1
1.6	up	2.226	ZW10 homolog. centromere/kinetochore protein (Drosophila)	ZW10
1.6	up	2.345	zinc finger. FYVE domain containing 21 /// zinc finger. FYVE domain containing 21	ZFYVE21

1.6	up	4.757	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	PAMCI
1.6	up	3.868	glutaryl-Coenzyme A dehydrogenase	GCDH
1.6	up	4.467	SET and MYND domain containing 2	SMYD2
1.6	up	2.345	conserved helix-loop-helix ubiquitous kinase	CHUK
1.6	up	4.467	KIAA0276 protein	KIAA0276
1.6	up	2.621	HRAS-like suppressor	HRASLS
1.6	up	4.108	beclin 1 (coiled-coil. myosin-like BCL2 interacting protein)	BECN1
1.6	up	3.641	chimerin (chimaerin) 1	CHN1
1.6	up	5.091	purinergic receptor P2X. ligand-gated ion channel. 5	P2RX5
1.6	up	4.757	enoyl Coenzyme A hydratase domain containing 1	ECHDC1
1.6	up	4.108	heterogeneous nuclear ribonucleoprotein A1	HNRPA1
1.6	up	4.757	retinoblastoma binding protein 4	RBBP4
1.6	up	2.621	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	QRSL1
1.6	up	4.108	NOL1/NOP2/Sun domain family. member 4	NSUN4
1.6	up	1.943	holocytochrome c synthase (cytochrome c heme-lyase)	HCCS
1.6	up	3.173	Single-stranded DNA binding protein 2	SSBP2
1.6	up	3.469	thioredoxin domain containing 7 (protein disulfide isomerase)	TXNDC7
1.6	up	2.621	KIAA0934	KIAA0934
1.6	up	2.868	family with sequence similarity 45. member B	FAM45B
1.6	up	2.226	asparagine-linked glycosylation 8 homolog (yeast. alpha-1.3-glucosyltransferase)	ALG8
1.6	up	2.345	heterogeneous nuclear ribonucleoprotein C (C1/C2)	HNRPC
1.6	up	4.467	B-cell CLL/lymphoma 2	BCL2
1.6	up	4.362	Smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	SMU1
1.6	up	4.757	DKFZP564B167 protein	DKFZP564B167
1.6	up	3.469	ubiquitin specific protease 46	USP46
1.6	up	1.632	nuclear receptor binding protein 2	NRBP2
1.6	up	1.943	Zinc finger protein 84 (HPF2)	ZNF84
1.6	up	2.345	WD repeat domain 37	WDR37
1.6	up	5.091	ferrochelatase (protoporphyrin)	FECH
1.6	up	4.467	RAP2A. member of RAS oncogene family	RAP2A
1.6	up	2.868	hydroxysteroid (17-beta) dehydrogenase 12	HSD17B12
1.6	up	2.621	proteasome (prosome. macropain) 26S subunit. non-ATPase. 11	PSMD11
1.6	up	3.173	presenilin associated. rhomboid-like	PSARL
1.6	up	1.943	BRI3 binding protein	BRI3BP
1.6	up	3.469	glutamate receptor. ionotropic. N-methyl D-aspartate-like 1A	GRINL1A

1.6	up	1.667	dynein. cytoplasmic. intermediate polypeptide 1	DNC11
1.6	up	5.091	nuclear factor of activated T-cells. cytoplasmic. calcineurin-dependent 2 interacting protein	NFATC2IP
1.6	up	2.621	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog. yeast)	UBE2G2
1.6	up	3.173	basic leucine zipper and W2 domains 1	BZW1
1.6	up	2.868	voltage-dependent anion channel 3	VDAC3
1.6	up	3.469	solute carrier family 29 (nucleoside transporters). member 1	SLC29A1
1.6	up	4.362	putative homeodomain transcription factor 1	PHTF1
1.6	up	2.345	heterogeneous nuclear ribonucleoprotein H3 (2H9)	HNRPH3
1.6	up	2.621	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	DLAT
1.6	up	4.467	influenza virus NS1A binding protein	IVNS1ABP
1.6	up	3.469	fused toes homolog (mouse)	FTS
1.6	up	1.943	SHQ1 homolog (S. cerevisiae)	SHQ1
1.6	up	5.091	mitochondrial ribosomal protein L50	MRPL50
1.6	up	5.091	serine (or cysteine) proteinase inhibitor. clade B (ovalbumin). member 8	SERPINB8
1.6	up	3.641	zinc finger. A20 domain containing 2	ZA20D2
1.6	up	4.362	catastrophin	MGC10233
1.6	up	4.362	ATP-binding cassette. sub-family G (WHITE). member 2	ABCG2
1.6	up	3.173	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	RALB
1.6	up	3.868	Creatine kinase. mitochondrial 1 (ubiquitous)	CKMT1
1.6	up	2.621	secretory carrier membrane protein 1	SCAMP1
1.6	up	3.641	O-linked N-acetylglucosamine (GlcNAc) transferase	OGT
1.6	up	3.868	cullin 4A	CUL4A
1.6	up	2.868	alanyl-tRNA synthetase like	AARSL
1.6	up	2.226	leukotriene A4 hydrolase	LTA4H
1.6	up	2.621	ring finger protein 34	RNF34
1.6	up	3.469	cyclin I	CCNI
1.6	up	3.868	tumor necrosis factor receptor superfamily. member 10b	TNFRSF10B
1.6	up	5.091	Neuronal PAS domain protein 2	NPAS2
1.6	up	1.994	syntaxin 6	STX6
1.6	up	4.467	Williams-Beuren syndrome chromosome region 1	WBSCR1
1.6	up	3.868	ATPase. H+ transporting. lysosomal 42kDa. V1 subunit C. isoform 1	ATP6V1C1
1.6	up	4.362	heat shock protein. alpha-crystallin-related. B6	HSPB6
1.6	up	3.641	DEAH (Asp-Glu-Ala-His) box polypeptide 40	DHX40
1.6	up	3.641	proteasome (prosome. macropain) 26S subunit. non-ATPase. 8	PSMD8
1.6	up	4.362	Lysophospholipase-like 1	LYPLAL1

1.6	up	4.362	GrpE-like 1. mitochondrial (E. coli)	GRPEL1
1.6	up	2.226	YTH domain family. member 2	YTHDF2
1.6	up	3.868	zinc finger protein 435	ZNF435
1.6	up	1.994	mitochondrial tumor suppressor 1	MTUS1
1.6	up	2.487	FLJ10378 protein	FLJ10378
1.6	up	5.722	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	DDX5
1.6	up	4.757	protein kinase. cAMP-dependent. regulatory. type I. alpha (tissue specific extinguisher 1)	PRKAR1A
1.6	up	2.345	MCM8 minichromosome maintenance deficient 8 (S. cerevisiae)	MCM8
1.6	up	4.108	RAP2A. member of RAS oncogene family	RAP2A
1.6	up	2.487	glutaryl-Coenzyme A dehydrogenase	GCDH
1.6	up	5.091	promethin	LOC57146
1.6	up	3.469	nucleosome assembly protein 1-like 4	NAP1L4
1.6	up	5.091	KIAA0265 protein	KIAA0265
1.6	up	3.641	N-myristoyltransferase 2	NMT2
1.6	up	4.362	ring finger protein 14	RNF14
1.6	up	3.641	phosphorylase. glycogen; brain	PYGB
1.6	up	4.467	KIAA0804 protein	KIAA0804
1.6	up	3.469	calmodulin 1 (phosphorylase kinase. delta)	CALM1
1.6	up	4.757	fibroblast growth factor 13	FGF13
1.6	up	3.173	rab3 GTPase-activating protein. non-catalytic subunit (150kD)	RAB3-GAP150
1.6	up	3.868	Small acidic protein	SMAP
1.6	up	4.362	Heterogeneous nuclear ribonucleoprotein A0	HNRPA0
1.6	up	4.108	COX15 homolog. cytochrome c oxidase assembly protein (yeast)	COX15
1.6	up	1.943	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	DDX21
1.6	up	4.108	glucosamine-6-phosphate deaminase 2	GNPDA2
1.6	up	4.362	transmembrane 4 superfamily member 12	TM4SF12
1.6	up	3.641	growth hormone inducible transmembrane protein	GHITM
1.6	up	3.469	protein x 013	AD-020
1.6	up	2.345	glutathione synthetase	GSS
1.6	up	3.173	fasciculation and elongation protein zeta 2 (zygin II)	FEZ2
1.6	up	4.467	splicing factor. arginine/serine-rich 7. 35kDa	SFRS7
1.6	up	4.467	solute carrier family 11 (proton-coupled divalent metal ion transporters). member 2	SLC11A2
1.6	up	3.868	anaphase promoting complex subunit 7	ANAPC7
1.6	up	2.868	ceramide kinase	CERK
1.6	up	3.868	glutaminase	GLS

1.6	up	4.757	ATPase. Ca++ transporting. plasma membrane 4	ATP2B4
1.6	up	3.469	ring finger protein 14	RNF14
1.6	up	5.091	x 006 protein	MDS006
1.6	up	3.173	cytoskeleton-associated protein 4	CKAP4
1.6	up	2.868	ret finger protein	RFP
1.6	up	4.108	CCR4-NOT transcription complex. subunit 7	CNOT7
1.6	up	2.621	ubiquitin-conjugating enzyme E2. J1 (UBC6 homolog. yeast)	UBE2J1
1.6	up	2.487	follicular lymphoma variant translocation 1	FVT1
1.6	up	5.091	DIP13 beta	DIP13B
1.6	up	2.487	telomeric repeat binding factor 2. interacting protein	TERF2IP
1.6	up	3.868	telomeric repeat binding factor 2	TERF2
1.6	up	2.621	karyopherin alpha 1 (importin alpha 5)	KPNA1
1.6	up	4.362	mesenchymal stem cell protein DSC92	NEUGRIN
1.6	up	3.868	KIAA1128	KIAA1128
1.6	up	4.362	protein phosphatase 1. regulatory subunit 7	PPP1R7
1.6	up	4.757	proline arginine-rich end leucine-rich repeat protein	PRELP
1.6	up	4.362	bromodomain containing 1	BRD1
1.6	up	2.868	for protein disulfide isomerase-related	PDIR
1.6	up	4.467	U2-associated SR140 protein	SR140
1.6	up	3.641	UDP-glucose pyrophosphorylase 2	UGP2
1.6	up	5.091	splicing factor. arginine/serine-rich 5	SFRS5
1.6	up	3.641	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	DDX18
1.6	up	3.173	lin-10 protein homolog	Lin10
1.6	up	2.487	Rho-associated. coiled-coil containing protein kinase 2	ROCK2
1.6	up	1.632	RIO kinase 3 (yeast) /// RIO kinase 3 (yeast)	RIOK3
1.6	up	2.868	nuclear transport factor 2	NUTF2
1.6	up	5.091	Solute carrier family 35. member D2	SLC35D2
1.6	up	1.943	family with sequence similarity 11. member A	FAM11A
1.6	up	4.362	Striatin. calmodulin binding protein	STRN
1.6	up	4.108	ubiquitin protein ligase E3C	UBE3C
1.6	up	4.467	nuclear receptor subfamily 2. group C. member 1	NR2C1
1.6	up	1.994	WW domain containing adaptor with coiled-coil	WAC
1.6	up	3.868	RNA binding motif. single stranded interacting protein 1	RBMS1
1.6	up	3.868	cytosolic ovarian carcinoma antigen 1	COVA1
1.6	up	4.108	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	DDX18

1.6	up	5.091	nucleolar and spindle associated protein 1	NUSAP1
1.6	up	4.362	zinc finger protein 268	ZNF268
1.6	up	4.362	family with sequence similarity 11. member A	FAM11A
1.6	up	3.469	F-box protein 8	FBXO8
1.6	up	5.091	Calmodulin 2 (phosphorylase kinase. delta)	CALM2
1.6	up	2.868	phosphoprotein associated with glycosphingolipid-enriched microdomains	PAG
1.6	up	4.362	survival of motor neuron protein interacting protein 1	SIP1
1.6	up	3.641	FUS interacting protein (serine-arginine rich) 1	FUSIP1
1.6	up	4.362	degenerative spermatocyte homolog 1. lipid desaturase (Drosophila)	DEGS1
1.6	up	4.108	iduronate 2-sulfatase (Hunter syndrome)	IDS
1.6	up	4.108	MADS box transcription enhancer factor 2. polypeptide A (myocyte enhancer factor 2A)	MEF2A
1.6	up	5.091	Activating transcription factor 6	ATF6
1.6	up	5.091	5-azacytidine induced 2	AZI2
1.6	up	3.173	single-strand selective monofunctional uracil DNA glycosylase	SMUG1
1.6	up	2.487	TAR (HIV) RNA binding protein 1	TARBP1
1.6	up	4.362	fumarate hydratase	FH
1.6	up	3.641	S-adenosylhomocysteine hydrolase-like 1	AHCYL1
1.6	up	2.345	membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1	MTCBP-1
1.6	up	3.641	enolase superfamily member 1	ENOSF1
1.6	up	4.362	interferon-induced protein with tetratricopeptide repeats 3	IFIT3
1.6	up	5.091	FUS interacting protein (serine-arginine rich) 1	FUSIP1
1.6	up	2.487	peroxisomal biogenesis factor 11B	PEX11B
1.6	up	3.641	solute carrier family 1 (glutamate/neutral amino acid transporter). member 4	SLC1A4
1.6	up	3.469	casein kinase 2. alpha 1 polypeptide	CSNK2A1
1.6	up	3.173	monoamine oxidase B	MAOB
1.6	up	2.621	nucleosome assembly protein 1-like 1	NAP1L1
1.6	up	4.757	Zinc finger protein 198	ZNF198
1.6	up	4.362	myotubularin related protein 4	MTMR4
1.6	up	4.362	APG4 autophagy 4 homolog A (S. cerevisiae)	APG4A
1.6	up	4.757	phenylalanine-tRNA synthetase 2 (mitochondrial)	FARS2
1.6	up	3.469	ras homolog gene family. member A /// ras homolog gene family. member A	RHOA
1.6	up	3.173	transmembrane 7 superfamily member 3	TM7SF3
1.6	up	4.362	FK506 binding protein 12-rapamycin associated protein 1	FRAP1
1.6	up	4.108	septin 8	39692
1.6	up	4.108	Transforming growth factor. beta receptor I (activin A receptor type II-like kinase. 53kDa)	TGFBR1

1.6	up	4.362	KIAA0831	KIAA0831
1.6	up	4.362	BTG family. member 3	BTG3
1.6	up	2.345	acid phosphatase 1. soluble	ACP1
1.6	up	2.868	reticulon 3	RTN3
1.6	up	2.345	mutL homolog 1. colon cancer. nonpolyposis type 2 (E. coli)	MLH1
1.6	up	1.667	transmembrane protein 32	TMEM32
1.6	up	3.641	citrate lyase beta like	CLYBL
1.6	up	1.994	Stromal cell derived factor receptor 1	SDFR1
1.6	up	3.868	discs. large homolog 1 (Drosophila)	DLG1
1.6	up	1.943	RAB GTPase activating protein 1	RABGAP1
1.6	up	3.469	zinc finger protein 274	ZNF274
1.6	up	4.467	Molybdenum cofactor synthesis 2	MOCS2
1.6	up	3.641	leucine aminopeptidase 3	LAP3
1.6	up	3.469	Ubiquitin specific protease 13 (isopeptidase T-3)	USP13
1.6	up	1.994	PAP associated domain containing 4	PAPD4
1.6	up	4.467	thioredoxin-related transmembrane protein 2	TMX2
1.6	up	4.757	transmembrane protein 41A	TMEM41A
1.6	up	5.091	inositol polyphosphate-1-phosphatase	INPP1
1.6	up	3.868	ankyrin repeat and BTB (POZ) domain containing 2	ABTB2
1.6	up	5.091	Ribosomal protein S23	RPS23
1.6	up	1.994	Janus kinase 1 (a protein tyrosine kinase)	JAK1
1.6	up	3.173	protein similar to E.coli yhdg and R. capsulatus nifR3	PP35
1.6	up	2.868	cytochrome c oxidase subunit VIIa polypeptide 2 like	COX7A2L
1.6	up	5.091	phosphatidylinositol transfer protein. alpha	PITPNA
1.6	up	3.469	GDP-mannose 4.6-dehydratase	GMDS
1.6	up	2.868	microfibrillar-associated protein 1	MFAP1
1.6	up	4.362	transmembrane protein 14B	TMEM14B
1.6	up	2.345	RNA binding motif protein 18	RBM18
1.6	up	2.621	RNA terminal phosphate cyclase domain 1	RTCD1
1.6	up	4.362	interferon regulatory factor 2 binding protein 2	IRF2BP2
1.6	up	5.091	casein kinase 2. alpha 1 polypeptide	CSNK2A1
1.6	up	4.108	TRAF and TNF receptor associated protein	TTRAP
1.6	up	3.868	DnaJ (Hsp40) homolog. subfamily A. member 1	DNAJA1
1.6	up	3.868	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)	MAFK
1.6	up	4.362	EPM2A (laforin) interacting protein 1	EPM2AIP1

1.6	up	4.108	SMAD. mothers against DPP homolog 1 (Drosophila)	SMAD1
1.6	up	4.757	parvin. alpha	PARVA
1.6	up	4.108	O-acyltransferase (membrane bound) domain containing 2	OACT2
1.6	up	4.108	inhibitor of kappa light polypeptide gene enhancer in B-cells. kinase beta	IKBKB
1.6	up	4.362	N-acylsphingosine amidohydrolase (acid ceramidase) 1	ASAH1
1.6	up	2.487	dehydrogenase E1 and transketolase domain containing 1	DHTKD1
1.6	up	3.173	solute carrier family 8 (sodium/calcium exchanger). member 1	SLC8A1
1.6	up	3.868	sorting nexin 5	SNX5
1.6	up	3.868	protein phosphatase 1. regulatory (inhibitor) subunit 3C	PPP1R3C
1.6	up	4.108	U2(RNU2) small nuclear RNA auxiliary factor 1-like 2	U2AF1L2
1.6	up	7.164	WW domain binding protein 11	WBP11
1.6	up	4.362	proteasome regulatory particle subunit p44S10	p44S10
1.6	up	4.362	Staufen. RNA binding protein. homolog 2 (Drosophila)	STAU2
1.6	up	4.108	x 009 protein	MDS009
1.6	up	4.108	nuclear phosphoprotein similar to S. cerevisiae PWP1	PWP1
1.6	up	3.641	beclin 1 (coiled-coil. myosin-like BCL2 interacting protein)	BECN1
1.6	up	5.091	transmembrane protein 38A	TMEM38A
1.6	up	3.641	protein inhibitor of activated STAT. 2	PIAS2
1.6	up	5.091	heat shock 70kDa protein 5 (glucose-regulated protein. 78kDa)	HSPA5
1.6	up	2.868	Disrupted in schizophrenia 1	DISC1
1.6	up	3.868	DEAH (Asp-Glu-Ala-His) box polypeptide 40	DHX40
1.6	up	4.757	Dmx-like 2	DMXL2
1.6	up	4.467	solute carrier family 35. member D1	SLC35D1
1.6	up	2.868	polymerase (RNA) III (DNA directed) polypeptide G (32kD) like	POLR3GL
1.6	up	3.173	ATPase. H+ transporting. lysosomal 42kDa. V1 subunit C. isoform 1	ATP6V1C1
1.6	up	5.091	CGI-69 protein	CGI-69
1.6	up	3.868	PHD finger protein 20-like 1	PHF20L1
1.6	up	3.641	CGI-30 protein	CGI-30
1.6	up	4.362	microtubule-associated protein. RP/EB family. member 2	MAPRE2
1.6	up	2.487	ocular development-associated gene	ODAG
1.6	up	4.108	synaptotagmin binding. cytoplasmic RNA interacting protein	SYNCRIP
1.6	up	4.467	VAMP (vesicle-associated membrane protein)-associated protein B and C	VAPB
1.6	up	3.868	phosphoribosyl pyrophosphate synthetase 1	PRPS1
1.6	up	2.226	selenoprotein X. 1	SEPX1
1.6	up	5.091	NDRG family member 4	NDRG4

1.6	up	5.091	adaptor-related protein complex 3. sigma 2 subunit	AP3S2
1.6	up	4.362	SKB1 homolog (S. pombe)	SKB1
1.6	up	2.621	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	HNRPU
1.6	up	2.621	glutamate dehydrogenase 2	GLUD2
1.6	up	2.621	aprataxin	APTIX
1.6	up	2.868	MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)	MCM4
1.5	up	4.108	ubiquitin specific protease 11	USP11
1.5	up	3.868	selective LIM binding factor. rat homolog	SLB
1.5	up	4.362	solute carrier family 22 (organic cation transporter). member 15	SLC22A15
1.5	up	4.467	Ku autoantigen. 80kDa	XRCC5
1.5	up	5.091	cathepsin Z	CTSZ
1.5	up	4.757	protein tyrosine phosphatase type IVA. member 2	PTP4A2
1.5	up	4.362	protein phosphatase 2 (formerly 2A). catalytic subunit. alpha isoform	PPP2CA
1.5	up	4.108	de-etiolated homolog 1 (Arabidopsis)	DET1
1.5	up	2.868	actin-related protein 10 homolog (S. cerevisiae)	ACTR10
1.5	up	4.108	sterile alpha motif and leucine zipper containing kinase AZK	ZAK
1.5	up	4.362	proteasome (prosome. macropain) 26S subunit. ATPase. 3	PSMC3
1.5	up	4.362	prickle-like 1 (Drosophila)	PRICKLE1
1.5	up	3.173	vacuolar protein sorting 45A (yeast)	VPS45A
1.5	up	3.469	ribosomal protein S6 kinase. 90kDa. polypeptide 2	RPS6KA2
1.5	up	1.943	myoneurin	MYNN
1.5	up	3.641	replication factor C (activator 1) 1. 145kDa	RFC1
1.5	up	3.868	PRP18 pre-mRNA processing factor 18 homolog (yeast)	PRPF18
1.5	up	3.641	round spermatid basic protein 1	RSBN1
1.5	up	2.868	nicolin 1	NICN1
1.5	up	3.868	protein phosphatase 1. regulatory (inhibitor) subunit 14C	PPP1R14C
1.5	up	3.868	Tu translation elongation factor. mitochondrial	TUFM
1.5	up	5.091	RAB24. member RAS oncogene family	RAB24
1.5	up	2.487	zinc finger. A20 domain containing 3	ZA20D3
1.5	up	3.469	leupaxin	LPXN
1.5	up	5.091	RNA binding motif. single stranded interacting protein 1	RBMS1
1.5	up	3.868	BCL2-like 13 (apoptosis facilitator)	BCL2L13
1.5	up	4.108	cytokine induced apoptosis inhibitor 1	CIAPIN1
1.5	up	2.487	developmentally regulated GTP binding protein 1	DRG1
1.5	up	3.868	phosphatase and actin regulator 4	PHACTR4

1.5	up	4.362	valosin-containing protein	VCP
1.5	up	5.091	upstream of NRAS	UNR
1.5	up	4.757	Cylindromatosis (turban tumor syndrome)	CYLD
1.5	up	3.641	general transcription factor IIIC. polypeptide 3. 102kDa	GTF3C3
1.5	up	4.362	speckle-type POZ protein	SPOP
1.5	up	4.757	Ts translation elongation factor. mitochondrial	TSFM
1.5	up	5.091	SH3-domain GRB2-like endophilin B1	SH3GLB1
1.5	up	3.641	cofilin 2 (muscle)	CFL2
1.5	up	4.467	Blood vessel epicardial substance	BVES
1.5	up	6.400	phosphodiesterase 8A	PDE8A
1.5	up	5.091	mitogen-activated protein kinase kinase 1	MAP2K1
1.5	up	5.091	TH1-like (Drosophila)	TH1L
1.5	up	2.487	mitochondrial ribosomal protein S5	MRPS5
1.5	up	2.226	TatD DNase domain containing 2	TATDN2
1.5	up	3.469	thiamin pyrophosphokinase 1	TPK1
1.5	up	4.757	v-akt murine thymoma viral oncogene homolog 1	AKT1
1.5	up	2.345	myotubularin related protein 4	MTMR4
1.5	up	3.868	yippee-like 5 (Drosophila)	YPEL5
1.5	up	3.469	ubiquinol-cytochrome c reductase core protein II	UQCRC2
1.5	up	4.467	SH3 multiple domains 1	SH3MD1
1.5	up	4.108	zinc finger protein 230	ZNF230
1.5	up	3.469	anaphase promoting complex subunit 4	ANAPC4
1.5	up	5.091	syntaxin 12	STX12
1.5	up	3.641	SEC31-like 1 (S. cerevisiae)	SEC31L1
1.5	up	4.467	suppressor of cytokine signaling 5	SOCS5
1.5	up	4.362	SEC3-like 1 (S. cerevisiae)	SEC3L1
1.5	up	3.469	leucine-rich PPR-motif containing	LRPPRC
1.5	up	2.868	mitochondrial isoleucine tRNA synthetase	FLJ10326
1.5	up	4.757	asparagine-linked glycosylation 9 homolog (yeast. alpha 1.2 mannosyltransferase)	ALG9
1.5	up	3.641	heterogeneous nuclear ribonucleoprotein H3 (2H9)	HNRPH3
1.5	up	4.757	glucose regulated protein. 58kDa	GRP58
1.5	up	3.469	myosin phosphatase-Rho interacting protein	M-RIP
1.5	up	4.362	RNA binding motif protein 12	RBM12
1.5	up	3.641	tumor suppressor candidate 3	TUSC3
1.5	up	3.641	transmembrane 4 superfamily member 1	TM4SF1

1.5	up	3.868	nuclear autoantigenic sperm protein (histone-binding)	NASP
1.5	up	5.091	solute carrier family 38. member 6	SLC38A6
1.5	up	4.362	PAI-1 mRNA-binding protein	PAI-RBP1
1.5	up	4.362	Signal sequence receptor. alpha (translocon-associated protein alpha)	SSR1
1.5	up	4.362	Likely ortholog of mouse acyl-Coenzyme A thioesterase 2. mitochondrial	ACATE2
1.5	up	4.757	pogo transposable element with KRAB domain	POGK
1.5	up	5.091	ring finger protein 12	RNF12
1.5	up	2.868	IK cytokine. down-regulator of HLA II	IK
1.5	up	4.362	vacuolar protein sorting 13A (yeast)	VPS13A
1.5	up	3.868	zinc finger protein 398	ZNF398
1.5	up	3.868	islet cell autoantigen 1. 69kDa	ICA1
1.5	up	4.757	zinc finger protein 498	ZNF498
1.5	up	4.757	Muscleblind-like (Drosophila)	MBNL1
1.5	up	4.108	transmembrane protein vezatin	VEZATIN
1.5	up	4.467	F-box and WD-40 domain protein 2	FBXW2
1.5	up	3.868	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related)	DUSP3
1.5	up	4.362	ubiquitin-activating enzyme E1-domain containing 1	UBE1DC1
1.5	up	4.362	Forkhead box O3A	FOXO3A
1.5	up	4.362	adaptor-related protein complex 3. beta 1 subunit	AP3B1
1.5	up	2.621	RAD51 homolog C (S. cerevisiae)	RAD51C
1.5	up	5.091	PP784 protein	PP784
1.5	up	2.868	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1	CBLL1
1.5	up	5.091	caldesmon 1	CALD1
1.5	up	3.641	cysteine and histidine rich 1	CYHR1
1.5	up	1.943	RNA binding motif protein 17	RBM17
1.5	up	3.173	ORM1-like 1 (S. cerevisiae)	ORMDL1
1.5	up	4.108	protein kinase. AMP-activated. gamma 2 non-catalytic subunit	PRKAG2
1.5	up	5.091	LETM1 domain containing 1	LETMD1
1.5	up	4.362	capping protein (actin filament) muscle Z-line. alpha 2	CAPZA2
1.5	up	3.469	polymerase (RNA) III (DNA directed) polypeptide B	POLR3B
1.5	up	5.091	protein phosphatase 1. regulatory (inhibitor) subunit 8	PPP1R8
1.5	up	3.173	nucleosome assembly protein 1-like 1	NAP1L1
1.5	up	4.362	nicotinamide nucleotide transhydrogenase	NNT
1.5	up	5.091	Transcription factor 12 (HTF4. helix-loop-helix transcription factors 4)	TCF12
1.5	up	5.091	EH-domain containing 4	EHD4

1.5	up	3.173	seven in absentia homolog 1 (Drosophila)	SIAH1
1.5	up	3.868	aldehyde dehydrogenase 7 family. member A1	ALDH7A1
1.5	up	4.362	Sarcoglycan. delta (35kDa dystrophin-associated glycoprotein)	SGCD
1.5	up	4.108	solute carrier family 7 (cationic amino acid transporter. y+ system). member 6	SLC7A6
1.5	up	2.868	KIAA0217	KIAA0217
1.5	up	3.641	GK001 protein	GK001
1.5	up	3.173	zinc finger protein 540	ZNF540
1.5	up	4.362	natural killer-tumor recognition sequence	NKTR
1.5	up	4.757	MAK10 homolog. amino-acid N-acetyltransferase subunit. (S. cerevisiae)	MAK10
1.5	up	2.621	adaptor-related protein complex 1. gamma 1 subunit	AP1G1
1.5	up	2.868	phosphatidylinositol glycan. class A (paroxysmal nocturnal hemoglobinuria)	PIGA
1.5	up	3.641	KIAA0141	KIAA0141
1.5	up	5.091	target of myb1-like 1 (chicken)	TOM1L1
1.5	up	3.173	eukaryotic translation initiation factor 3. subunit 10 theta. 150/170kDa	EIF3S10
1.5	up	3.469	survival of motor neuron protein interacting protein 1	SIP1
1.5	up	3.641	heterogeneous nuclear ribonucleoprotein A1	HNRPA1
1.5	up	4.757	zinc finger protein 542	ZNF542
1.5	up	3.469	guanylate binding protein 4	GBP4
1.5	up	3.469	KIAA0460 protein	KIAA0460
1.5	up	3.173	ariadne homolog. ubiquitin-conjugating enzyme E2 binding protein. 1 (Drosophila)	ARIH1
1.5	up	3.173	STAM binding protein	STAMPB
1.5	up	3.641	dihydrofolate reductase-like 1	DHFRL1
1.5	up	4.108	protein phosphatase 1B (formerly 2C). magnesium-dependent. beta isoform	PPM1B
1.5	up	4.467	M-phase phosphoprotein 9	MPHOSPH9
1.5	up	3.173	protease. serine. 11 (IGF binding)	PRSS11
1.5	up	2.621	protein kinase substrate MK2S4	MK2S4
1.5	up	5.091	NDRG family member 2	NDRG2
1.5	up	4.757	eukaryotic translation initiation factor 5B	EIF5B
1.5	up	3.469	SON DNA binding protein	SON
1.5	up	4.108	KIAA1374 protein	KIAA1374
1.5	up	4.757	bruno-like 6. RNA binding protein (Drosophila)	BRUNOL6
1.5	up	3.641	sorting nexin 4	SNX4
1.5	up	4.757	son of sevenless homolog 2 (Drosophila) /// son of sevenless homolog 2 (Drosophila)	SOS2
1.5	up	3.641	translin	TSN
1.5	up	4.757	BRCA2 and CDKN1A interacting protein	BCCIP

1.5	up	3.641	KIAA0652 gene product	KIAA0652
1.5	up	4.362	inositol polyphosphate-5-phosphatase. 40kDa	INPP5A
1.5	up	4.757	GGA binding partner	FLJ11088
1.5	up	2.868	isopentenyl-diphosphate delta isomerase	IDI1
1.5	up	3.641	coatamer protein complex. subunit beta	COPB
1.5	up	2.621	Ras-related GTP binding C	RRAGC
1.5	up	3.641	RAB6B. member RAS oncogene family	RAB6B
1.5	up	3.868	TAR DNA binding protein	TARDBP
1.5	up	3.868	FtsJ homolog 3 (E. coli)	FTSJ3
1.5	up	3.469	solute carrier family 25 (mitochondrial carrier. brain). member 14	SLC25A14
1.5	up	3.469	nudix (nucleoside diphosphate linked moiety X)-type motif 16	NUDT16
1.5	up	4.108	muscle RAS oncogene homolog	MRAS
1.5	up	4.108	fibroblast growth factor (acidic) intracellular binding protein	FIBP
1.5	up	4.362	DKFZP434C212 protein	DKFZP434C212
1.5	up	5.091	ATPase. Na ⁺ /K ⁺ transporting. beta 3 polypeptide	ATP1B3
1.5	up	4.467	kinesin 2 60/70kDa	KNS2
1.5	up	4.757	DnaJ (Hsp40) homolog. subfamily A. member 2	DNAJA2
1.5	up	5.091	U2(RNU2) small nuclear RNA auxiliary factor 1	U2AF1
1.5	up	4.362	synovial sarcoma. X breakpoint 2 interacting protein	SSX2IP
1.5	up	5.308	SVAP1 protein	IMAGE3451454
1.5	up	3.868	interleukin enhancer binding factor 2. 45kDa	ILF2
1.5	up	3.469	proteasome (prosome. macropain) 26S subunit. non-ATPase. 12	PSMD12
1.5	up	4.757	oxysterol binding protein-like 2	OSBPL2
1.5	up	4.362	density-regulated protein	DENR
1.5	up	4.108	pannexin 1	PANX1
1.5	up	4.362	protein phosphatase 2. regulatory subunit B (B56). gamma isoform	PPP2R5C
1.5	up	4.757	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	ETS2
1.5	up	3.173	isovaleryl Coenzyme A dehydrogenase	IVD
1.5	up	2.621	mitogen-activated protein kinase kinase kinase 7	MAP3K7
1.5	up	3.868	isopentenyl-diphosphate delta isomerase	IDI1
1.5	up	4.467	BMS1-like. ribosome assembly protein (yeast)	BMS1L
1.5	up	3.868	N-acylsphingosine amidohydrolase (acid ceramidase)-like	ASAH1
1.5	up	2.487	cardiomyopathy associated 4	CMYA4
1.5	up	5.091	serine palmitoyltransferase. long chain base subunit 2	SPTLC2
1.5	up	3.868	tripartite motif-containing 21	TRIM21

1.5	up	4.467	G protein-coupled receptor 89	GPR89
1.5	up	5.091	RRN3 RNA polymerase I transcription factor homolog (yeast)	RRN3
1.5	up	3.868	TAO kinase 3	TAOK3
1.5	up	3.868	myotubularin related protein 2	MTMR2
1.5	up	3.868	disabled homolog 1 (Drosophila)	DAB1
1.5	up	4.362	calnexin	CANX
1.5	up	3.641	WD repeat domain 26	WDR26
1.5	up	4.362	solute carrier family 1 (glutamate/neutral amino acid transporter). member 4	SLC1A4
1.5	up	5.091	eukaryotic translation initiation factor 2-alpha kinase 1	EIF2AK1
1.5	up	3.868	GK001 protein	GK001
1.5	up	2.621	kinesin family member 1B	KIF1B
1.5	up	5.091	fatty acid desaturase 1	FADS1
1.5	up	4.362	F-box protein 9	FBXO9
1.5	up	4.108	mitochondrial ribosomal protein L10	MRPL10
1.5	up	4.108	HESB like domain containing 1	HBLD1
1.5	up	4.757	reticulocalbin 2. EF-hand calcium binding domain	RCN2
1.5	up	4.108	staufen. RNA binding protein (Drosophila)	STAU
1.5	up	5.091	KIAA0143 protein	KIAA0143
1.5	up	3.469	Zinc finger. A20 domain containing 1	ZA20D1
1.5	up	3.641	Karyopherin alpha 6 (importin alpha 7)	KPNA6
1.5	up	2.621	KIAA1128	KIAA1128
1.5	up	3.641	N-glycanase 1	NGLY1
1.5	up	3.641	RNA binding motif protein 30	RBM30
1.5	up	4.362	chaperonin containing TCP1. subunit 6A (zeta 1)	CCT6A
1.5	up	5.091	major histocompatibility complex. class I. E	HLA-E
1.5	up	3.868	vang-like 1 (van gogh. Drosophila)	VANGL1
1.5	up	4.362	sex comb on midleg-like 1 (Drosophila)	SCML1
1.5	up	4.467	dehydrogenase/reductase (SDR family) X-linked	DHR SX
1.5	up	3.868	Calnexin	CANX
1.5	up	4.362	mannosyl (alpha-1.3-)-glycoprotein beta-1.2-N-acetylglucosaminyltransferase	MGAT1
1.5	up	5.091	zinc finger protein 44 (KOX 7)	ZNF44
1.5	up	4.757	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	DDX18
1.5	up	4.757	ADP-ribosylation factor-like 1	ARL1
1.5	up	5.091	formin binding protein 4	FNBP4
1.5	up	4.362	chromodomain helicase DNA binding protein 1-like	CHD1L

1.5	up	4.467	RIO kinase 2 (yeast)	RIOK2
1.5	up	3.469	G elongation factor. mitochondrial 2	GFM2
1.5	up	3.173	Enoyl Coenzyme A hydratase domain containing 3	ECHDC3
1.5	up	4.757	peptidylprolyl isomerase F (cyclophilin F)	PPIF
1.5	up	3.641	SWI/SNF related matrix associated actin dependent regulator of chromatin. subfamily a. member 3	SMARCA3
1.5	up	4.362	CGI-30 protein	CGI-30
1.5	up	2.621	karyopherin (importin) beta 1	KPNB1
1.5	up	1.994	kelch-like 12 (Drosophila)	KLHL12
1.5	up	3.868	abhydrolase domain containing 10	ABHD10
1.5	up	4.362	Ubiquitin specific protease 8	USP8
1.5	up	7.164	stress 70 protein chaperone. microsome-associated. 60kDa	STCH
1.5	up	4.362	hepatoma-derived growth factor (high-mobility group protein 1-like)	HDGF
1.5	up	3.469	CTD (carboxy-terminal domain. RNA polymerase II. polypeptide A) small phosphatase-like	CTDSPL
1.5	up	5.091	cyclin-dependent kinase 7 (MO15 homolog. Xenopus laevis. cdk-activating kinase)	CDK7
1.5	up	5.091	solute carrier family 15. member 4	SLC15A4
1.5	up	3.641	KIAA2002 protein	KIAA2002
1.5	up	4.362	RNA binding motif protein 15B	RBM15B
1.5	up	2.621	scavenger receptor class B. member 2	SCARB2
1.5	up	4.757	ATP synthase mitochondrial F1 complex assembly factor 1	ATPAF1
1.5	up	5.091	nucleosome assembly protein 1-like 1	NAP1L1
1.5	up	3.173	ring finger and WD repeat domain 2	RFWD2
1.5	up	4.467	heterogeneous nuclear ribonucleoprotein K	HNRPK
1.5	up	5.091	microtubule-associated protein. RP/EB family. member 1	MAPRE1
1.5	up	4.467	Speckle-type POZ protein	SPOP
1.5	up	3.641	zinc finger protein 605	ZNF605
1.5	up	4.108	heterogeneous nuclear ribonucleoprotein A3	HNRPA3
1.5	up	2.621	ring finger protein 150	RNF150
1.5	up	4.362	Lix1 homolog (mouse) like	LIX1L
1.5	up	4.362	pre-B-cell leukemia transcription factor 3	PBX3
1.5	up	4.362	cytoplasmic linker associated protein 2	CLASP2
1.5	up	3.469	HCV NS3-transactivated protein 1	NS3TP1
1.5	up	5.091	ankylosis. progressive homolog (mouse)	ANKH
1.5	up	4.108	zinc finger protein 161 homolog (mouse)	ZFP161
1.5	up	4.467	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog. Drosophila)	MLL
1.5	up	3.868	origin recognition complex. subunit 5-like (yeast)	ORC5L

1.5	up	4.362	ubiquitin specific protease 16	USP16
1.5	up	5.091	myo-inositol monophosphatase A3	IMPA3
1.5	up	4.757	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	COPS8
1.5	up	4.362	prolyl endopeptidase	PREP
1.5	up	3.868	SFRS protein kinase 2	SRPK2
1.5	up	4.757	SEC5-like 1 (S. cerevisiae)	SEC5L1
1.5	up	4.757	Testis expressed sequence 27	TEX27
1.5	up	4.467	bleomycin hydrolase	BLMH
1.5	up	4.467	MDN1. midasin homolog (yeast)	MDN1
1.5	up	5.091	pyruvate dehydrogenase (lipoamide) alpha 1	PDHA1
1.5	up	2.345	tetratricopeptide repeat domain 3	TTC3
1.5	up	4.757	Pleckstrin homology domain containing. family A (phosphoinositide binding specific) member 2	PLEKHA2
1.5	up	3.173	casein kinase 1. alpha 1	CSNK1A1
1.5	up	2.487	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	DDX46
1.5	up	5.091	cullin 1	CUL1
1.5	up	4.362	spectrin repeat containing. nuclear envelope 1	SYNE1
1.5	up	5.091	adaptor-related protein complex 2. beta 1 subunit	AP2B1
1.5	up	3.469	TBC1 domain family. member 12	TBC1D12
1.5	up	3.868	chaperonin containing TCP1. subunit 4 (delta)	CCT4
1.5	up	4.362	transmembrane 9 superfamily member 1	TM9SF1
1.5	up	4.108	intracisternal A particle-promoted polypeptide	IPP
1.5	up	4.467	pyruvate dehydrogenase kinase. isoenzyme 3	PDK3
1.5	up	4.757	RAB. member of RAS oncogene family-like 3	RABL3
1.5	up	5.091	fragile X mental retardation. autosomal homolog 1	FXR1
1.5	up	3.469	leukotriene B4 12-hydroxydehydrogenase	LTB4DH
1.5	up	5.091	transcription factor B2. mitochondrial	TFB2M
1.5	up	4.108	COX10 homolog. cytochrome c oxidase assembly protein. heme A: farnesyltransferase (yeast)	COX10
1.5	up	2.868	Bardet-Biedl syndrome 2	BBS2
1.5	up	4.362	Homeobox C14	LOC360030
1.5	up	4.362	CCR4-NOT transcription complex. subunit 10	CNOT10
1.5	up	4.362	procollagen-proline. 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase). beta polypeptide	P4HB
1.5	up	4.362	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	ARHGEF6
1.5	up	4.108	Karyopherin alpha 5 (importin alpha 6)	KPNA5
1.5	up	4.757	CDC16 cell division cycle 16 homolog (S. cerevisiae)	CDC16
1.5	up	4.108	amyotrophic lateral sclerosis 2 (juvenile)	ALS2

1.5	up	3.173	proteasome (prosome. macropain) 26S subunit. non-ATPase. 12	PSMD12
1.5	up	3.469	modulator of apoptosis 1	MOAP1
1.5	up	4.757	Wilms tumor 1 associated protein	WTAP
1.5	up	4.362	clock homolog (mouse)	CLOCK
1.5	up	3.868	G protein-coupled receptor. family C. group 5. member B	GPRC5B
1.5	up	3.868	heterogeneous nuclear ribonucleoprotein A3	HNRPA3
1.5	up	3.868	t-complex 1	TCP1
1.5	up	3.868	jumonji domain containing 1A	JMJD1A
1.5	up	3.641	jumonji domain containing 1B	JMJD1B
1.5	up	4.757	glucose regulated protein. 58kDa	GRP58
1.5	up	5.091	LUC7-like 2 (S. cerevisiae)	LUC7L2
1.5	up	3.641	putative acyl-CoA dehydrogenase	FLJ12592
1.5	up	4.467	ubiquitin-activating enzyme E1-domain containing 1	UBE1DC1
1.5	up	3.868	NEDD8 ultimate buster-1	NYREN18
1.5	up	5.091	FGF receptor activating protein 1	FRAG1
1.5	up	4.362	F-box and WD-40 domain protein 7 (archipelago homolog. Drosophila)	FBXW7
1.5	up	2.621	adaptor-related protein complex 3. mu 1 subunit	AP3M1
1.5	up	4.467	lysosomal trafficking regulator	LYST
1.5	up	5.091	Mak3 homolog (S. cerevisiae)	MAK3
1.5	up	4.757	mitochondrial translation optimization 1 homolog (S. cerevisiae)	MTO1
1.5	up	5.091	carboxypeptidase D	CPD
1.5	up	4.362	Bardet-Biedl syndrome 4	BBS4
1.5	up	2.868	KIAA1604 protein	KIAA1604
1.5	up	4.757	ras homolog gene family. member T2	RHOT2
1.5	up	3.641	MOB1. Mps One Binder kinase activator-like 2C (yeast)	MOBKL2C
1.5	up	2.621	RAN binding protein 5	RANBP5
1.5	up	4.362	ATPase. Class II. type 9A	ATP9A
1.5	up	4.362	potassium channel tetramerisation domain containing 15	KCTD15
1.5	up	4.108	cathepsin O	CTSO
1.5	up	4.757	quinoid dihydropteridine reductase	QDPR
1.5	up	4.757	tetratricopeptide repeat domain 17	TTC17
1.5	up	4.757	ubiquitin specific protease 33	USP33